

Data File : VW009014.D
Acq On : 06 Mar 2019 11:43
Operator : SY/VA
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Quant Time: Mar 07 07:00:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	294035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	403289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	228515	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	53646	18.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.38%	
35) Dibromofluoromethane	7.88	113	47261	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	
50) Toluene-d8	10.32	98	189511	18.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.74%	
62) 4-Bromofluorobenzene	12.62	95	73972	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	63177	21.629	ug/l	98
3) Chloromethane	2.21	50	73033	19.851	ug/l	94
4) Vinyl Chloride	2.35	62	72815	19.750	ug/l	96
5) Bromomethane	2.74	94	59246	18.299	ug/l	93
6) Chloroethane	2.90	64	50526	19.328	ug/l	95
7) Trichlorofluoromethane	3.25	101	98583	20.758	ug/l	96
8) Diethyl Ether	3.68	74	28476	19.208	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59361	20.142	ug/l	99
10) Methyl Iodide	4.26	142	52446	18.852	ug/l	100
11) Tert butyl alcohol	5.18	59	23109	107.098	ug/l	99
12) 1,1-Dichloroethene	4.03	96	52134	20.302	ug/l	98
13) Acrolein	3.89	56	26982	111.547	ug/l	95
14) Allyl chloride	4.67	41	87388	19.683	ug/l	99
15) Acrylonitrile	5.37	53	63348	99.810	ug/l	98
16) Acetone	4.12	43	58811	97.118	ug/l	97
17) Carbon Disulfide	4.37	76	171631	19.943	ug/l	99
18) Methyl Acetate	4.67	43	27160	19.663	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	133060	20.016	ug/l	97
20) Methylene Chloride	4.92	84	65482	18.470	ug/l	88
21) trans-1,2-Dichloroethene	5.42	96	59522	20.264	ug/l	95
22) Diisopropyl ether	6.31	45	174689	19.705	ug/l	94
23) Vinyl Acetate	6.26	43	555858	100.670	ug/l	99
24) 1,1-Dichloroethane	6.21	63	102711	19.925	ug/l	96
25) 2-Butanone	7.17	43	87030	100.973	ug/l	94
26) 2,2-Dichloropropane	7.16	77	94155	19.968	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	62658	20.263	ug/l	98
28) Bromochloromethane	7.51	49	44206	19.756	ug/l	98
29) Tetrahydrofuran	7.53	42	54307	100.292	ug/l	99
30) Chloroform	7.67	83	105948	20.074	ug/l	96
31) Cyclohexane	7.95	56	107228	20.228	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	98976	20.417	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85887	20.716	ug/l	99
37) Ethyl Acetate	7.26	43	38508	20.999	ug/l	99
38) Carbon Tetrachloride	8.06	117	88013	20.514	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99397	19.846	ug/l	99
40) Benzene	8.32	78	226647	20.268	ug/l	99
41) Methacrylonitrile	7.48	41	20462	18.812	ug/l	99
42) 1,2-Dichloroethane	8.40	62	72836	20.294	ug/l	99
43) Isopropyl Acetate	8.43	43	72526	20.119	ug/l	99
44) Trichloroethene	9.09	130	66141	21.212	ug/l	97
45) 1,2-Dichloropropane	9.37	63	58197	20.993	ug/l	93
46) Dibromomethane	9.46	93	32000	20.923	ug/l	99
47) Bromodichloromethane	9.64	83	76831	20.039	ug/l	94
48) Methyl methacrylate	9.43	41	32182	18.893	ug/l	88
49) 1,4-Dioxane	9.45	88	8994	430.183	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	182777	100.265	ug/l	98
52) Toluene	10.38	92	147769	19.574	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	75456	19.840	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	89859	20.697	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	42800	20.604	ug/l	96
56) Ethyl methacrylate	10.65	69	50116	19.504	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75059	20.548	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	136280	99.954	ug/l	97
59) 2-Hexanone	10.97	43	129476	101.033	ug/l	99
60) Dibromochloromethane	11.13	129	52116	20.656	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39884	20.257	ug/l	97
64) Tetrachloroethene	10.86	164	54824	19.689	ug/l	96
65) Chlorobenzene	11.66	112	162552	19.419	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	57335	20.395	ug/l	98
67) Ethyl Benzene	11.73	91	293255	19.322	ug/l	100
68) m/p-Xylenes	11.84	106	239267	39.953	ug/l	98
69) o-Xylene	12.17	106	109606	19.605	ug/l	99
70) Styrene	12.18	104	175364	19.363	ug/l	100
71) Bromoform	12.35	173	29485	19.685	ug/l #	97
73) Isopropylbenzene	12.46	105	298407	19.078	ug/l	100
74) N-amyl acetate	12.27	43	70507	18.934	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	48074	19.705	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66764	27.033	ug/l #	100
77) Bromobenzene	12.75	156	68472	19.337	ug/l	99
78) n-propylbenzene	12.80	91	375220	19.540	ug/l	100
79) 2-Chlorotoluene	12.89	91	209429	19.316	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	265825	19.803	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14609	19.551	ug/l	96
82) 4-Chlorotoluene	12.99	91	222234	19.269	ug/l	99
83) tert-Butylbenzene	13.21	119	220459	19.060	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	268418	19.532	ug/l	100
85) sec-Butylbenzene	13.38	105	327052	19.384	ug/l	100
86) p-Isopropyltoluene	13.50	119	293601	19.332	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	147420	19.447	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	148982	19.815	ug/l	99
89) n-Butylbenzene	13.83	91	276589	19.237	ug/l	99
90) Hexachloroethane	14.10	117	49554	19.046	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	130746	19.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8887	19.930	ug/l	94

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

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QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

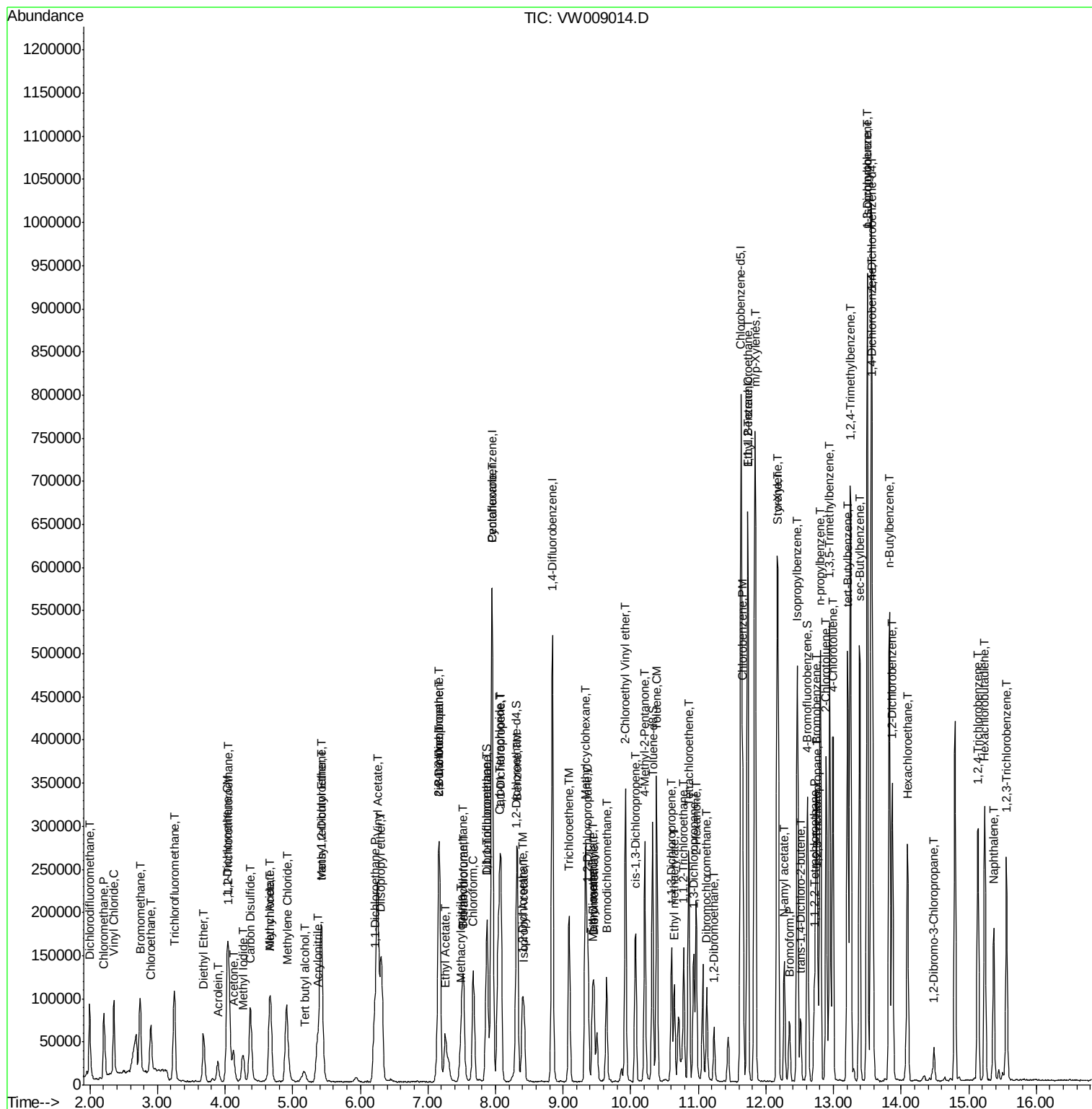
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	92630	20.396	ug/l	100
94) Hexachlorobutadiene	15.24	225	57107	19.783	ug/l	96
95) Naphthalene	15.37	128	147977	20.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	81561	20.742	ug/l	100

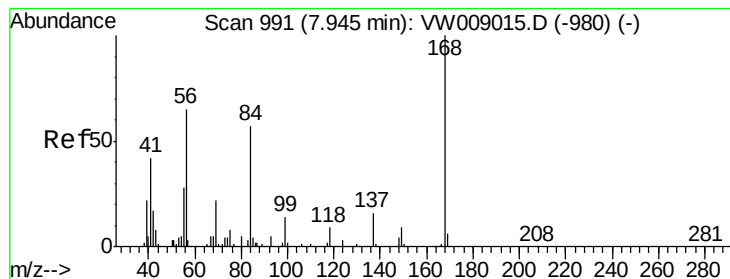
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

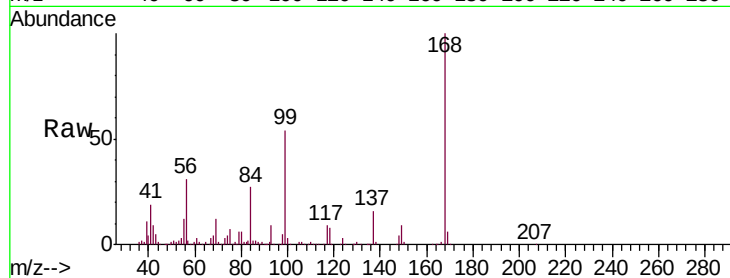
VSTDIC020

Tgt Ion:168 Resp: 294035

Ion Ratio Lower Upper

168 100

99 54.0 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

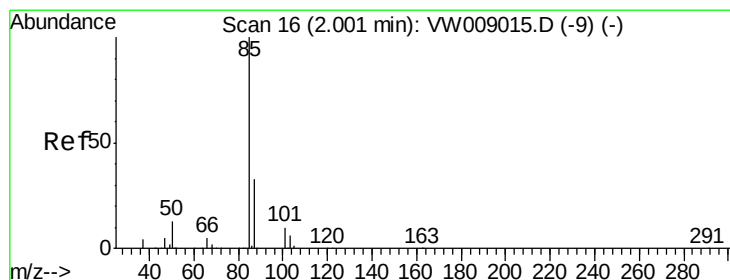
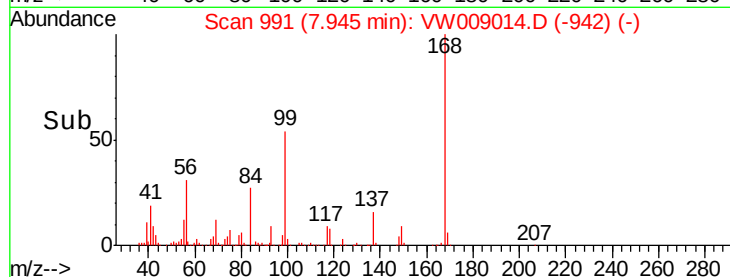
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.629 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW009014.D

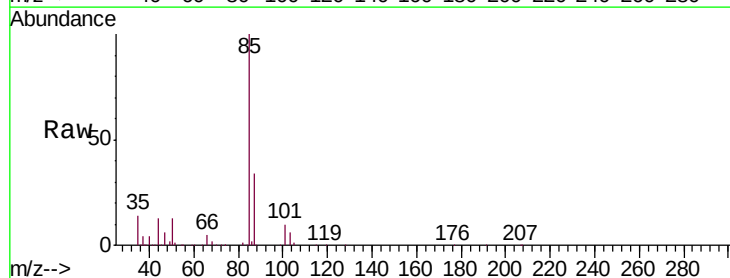
Acq: 06 Mar 2019 11:43

Tgt Ion: 85 Resp: 63177

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

30000

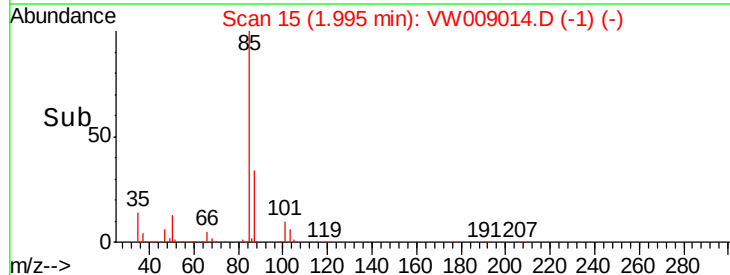
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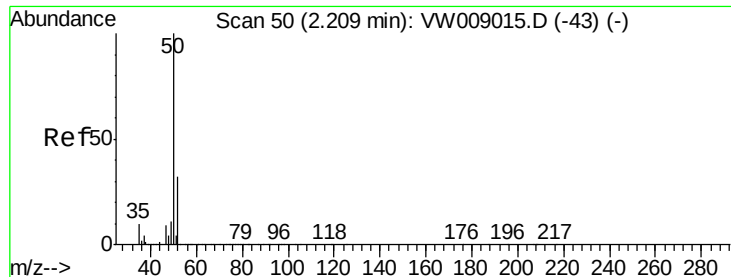
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 19.851 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

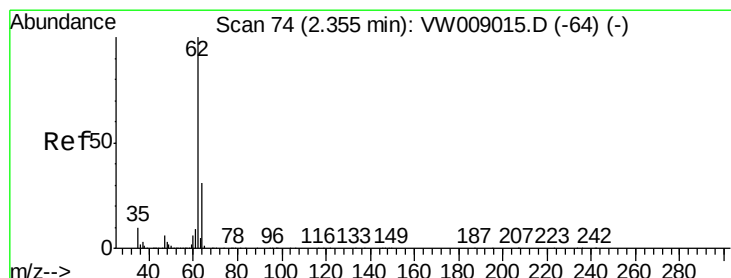
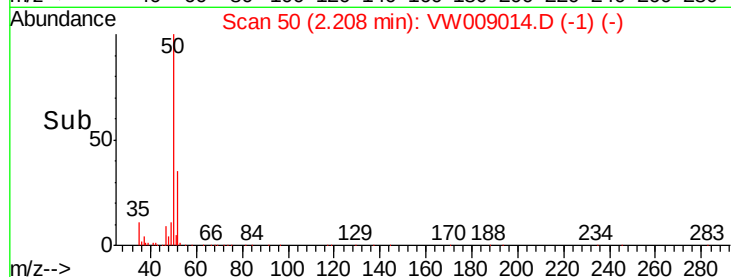
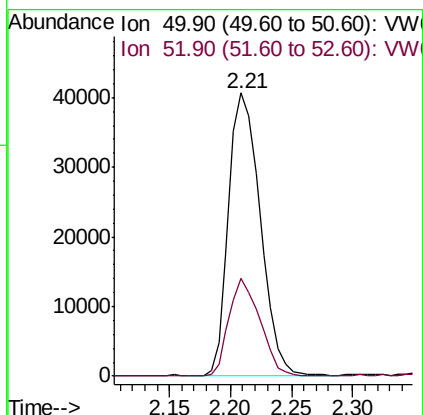
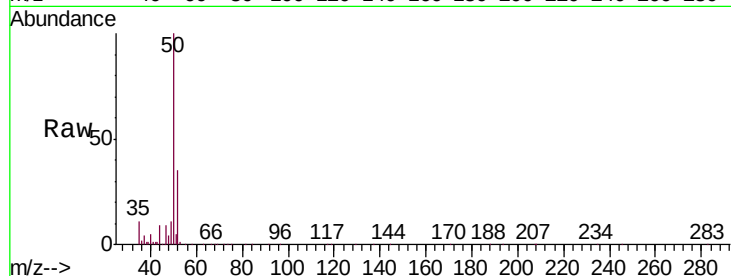
VSTDIC020

Tgt Ion: 50 Resp: 73033

Ion Ratio Lower Upper

50 100

52 34.7 25.3 37.9



#4

Vinyl Chloride

Concen: 19.750 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009014.D

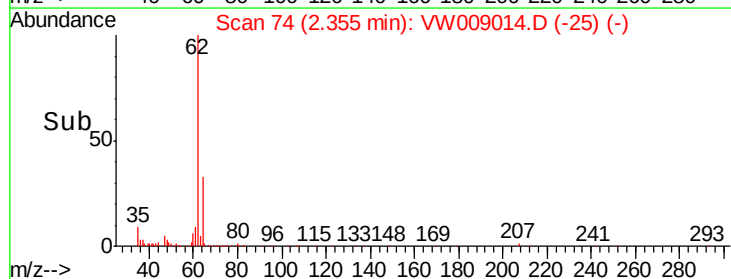
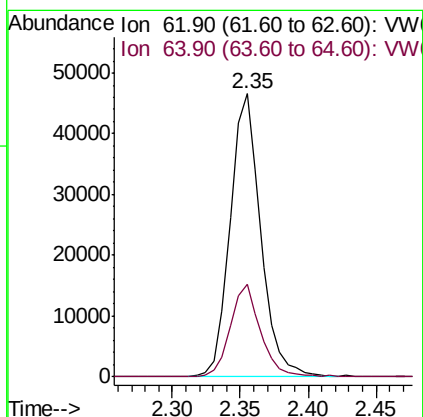
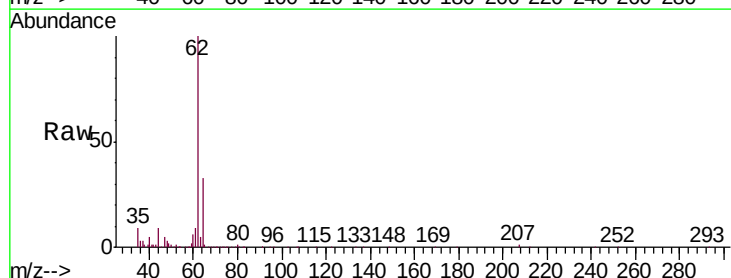
Acq: 06 Mar 2019 11:43

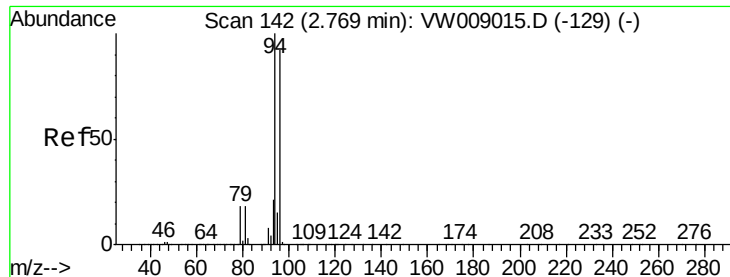
Tgt Ion: 62 Resp: 72815

Ion Ratio Lower Upper

62 100

64 32.9 24.6 36.8





#5

Bromomethane

Concen: 18.299 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.03 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

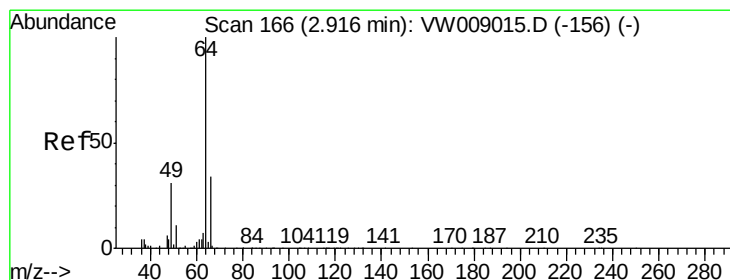
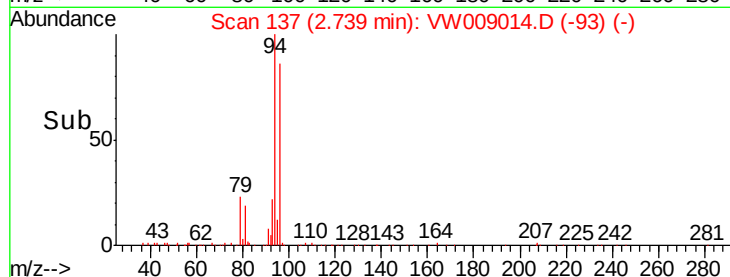
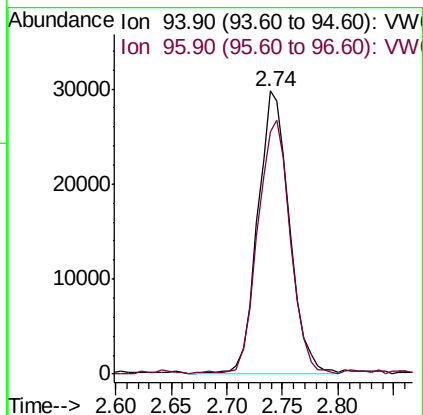
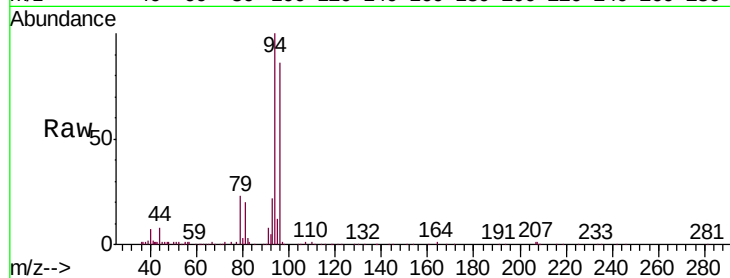
VSTDIC020

Tgt Ion: 94 Resp: 59246

Ion Ratio Lower Upper

94 100

96 85.3 73.4 110.0



#6

Chloroethane

Concen: 19.328 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW009014.D

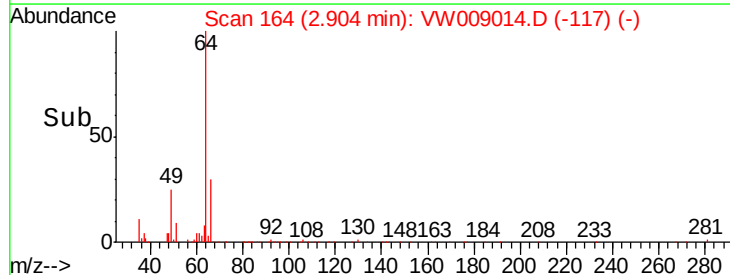
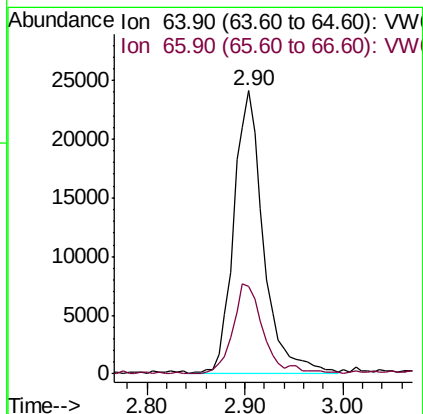
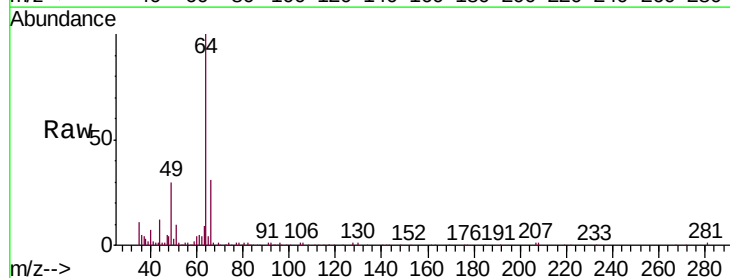
Acq: 06 Mar 2019 11:43

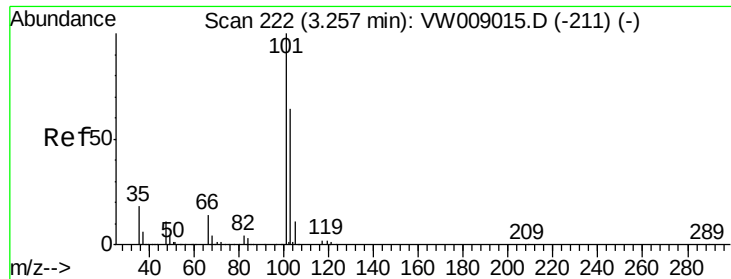
Tgt Ion: 64 Resp: 50526

Ion Ratio Lower Upper

64 100

66 31.0 27.2 40.8



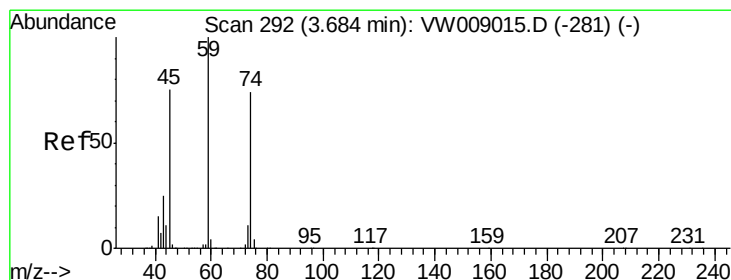
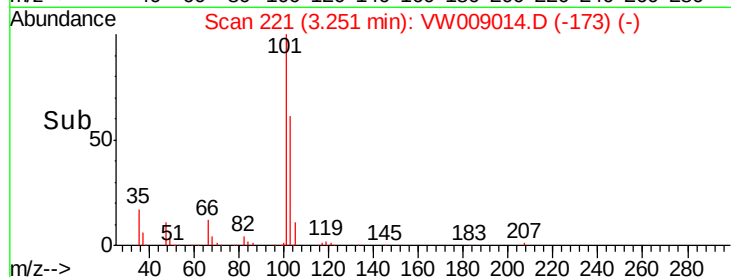
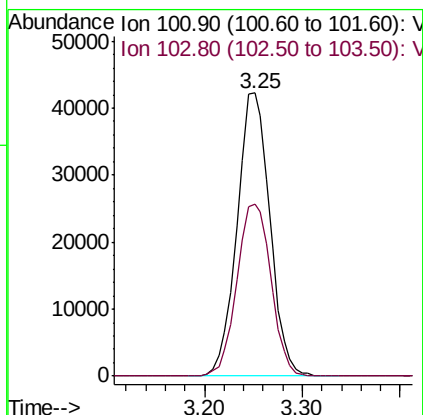
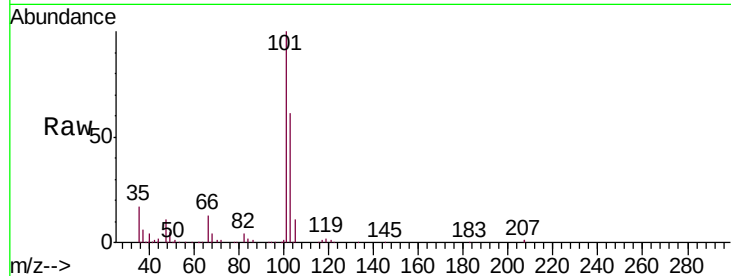


#7

Trichlorofluoromethane
 Concen: 20.758 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
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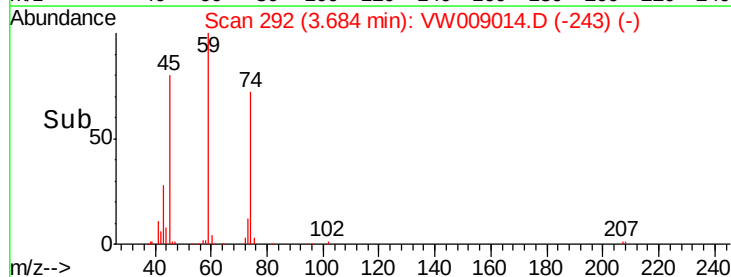
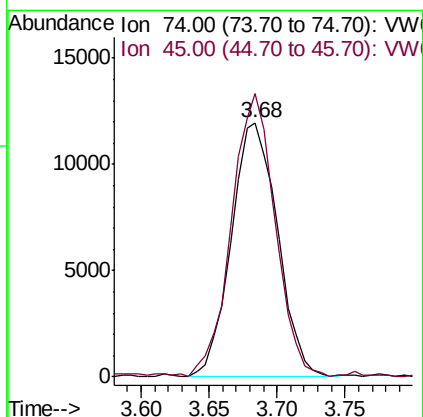
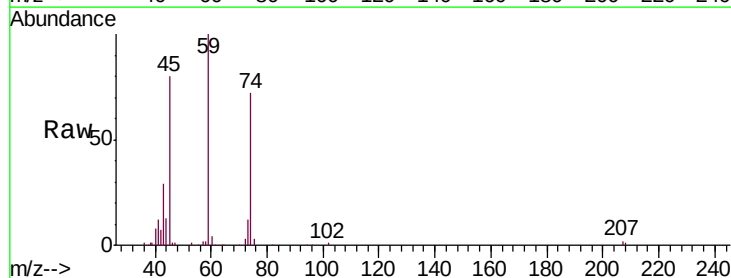
Tgt Ion:101 Resp: 98583
 Ion Ratio Lower Upper
 101 100
 103 60.7 51.1 76.7

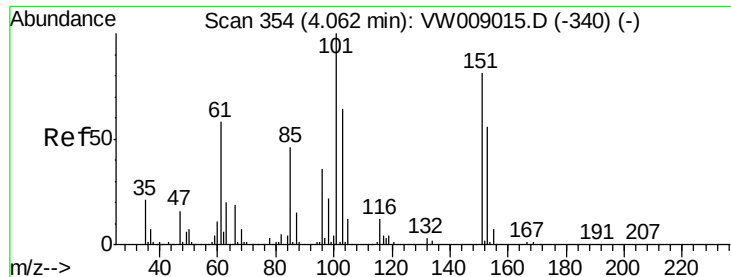


#8

Diethyl Ether
 Concen: 19.208 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion: 74 Resp: 28476
 Ion Ratio Lower Upper
 74 100
 45 104.8 48.8 146.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.142 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009014.D

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Instrument :

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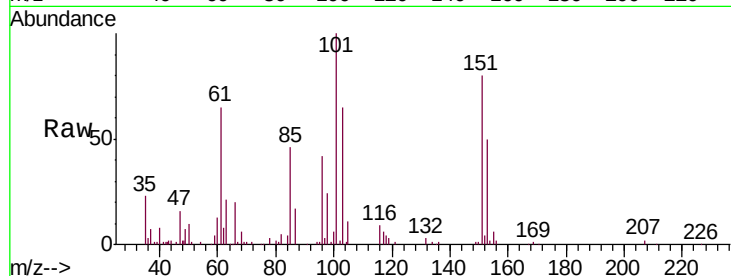
Tgt Ion:101 Resp: 59361

Ion Ratio Lower Upper

101 100

85 46.9 36.6 55.0

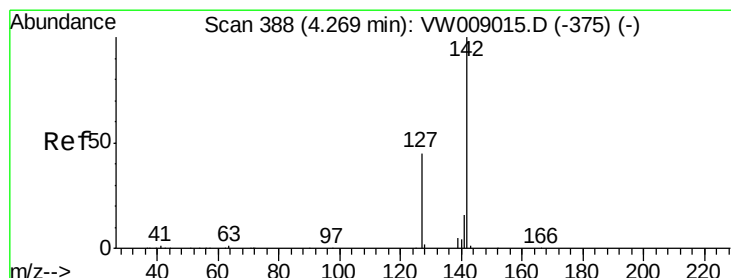
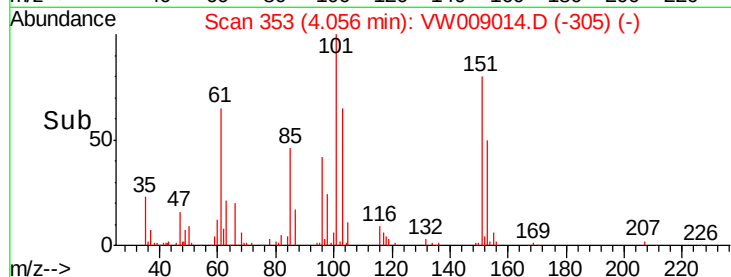
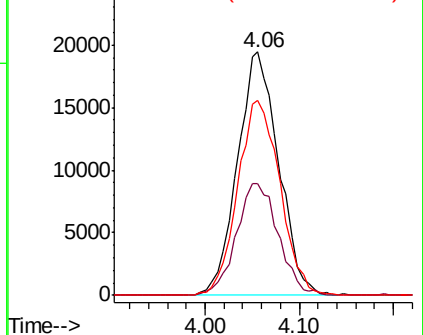
151 82.3 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.852 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

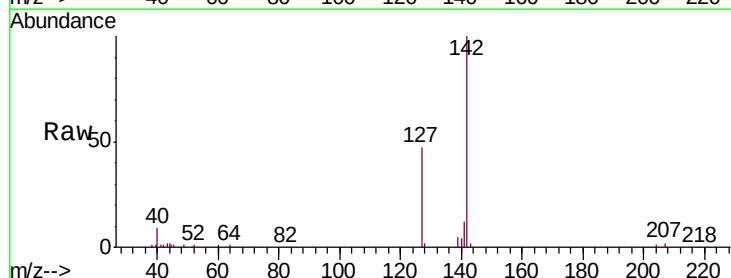
Tgt Ion:142 Resp: 52446

Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.2

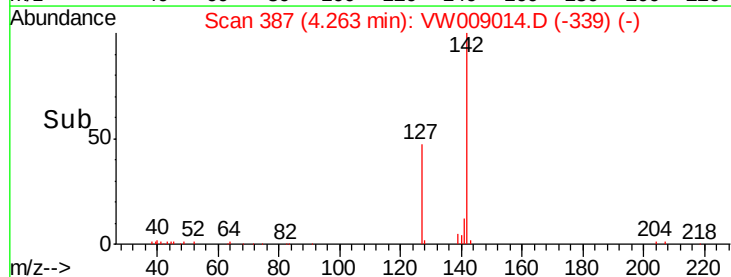
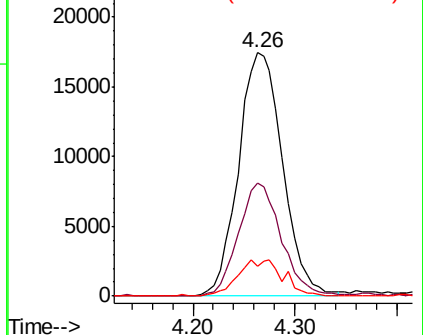
141 15.4 12.3 18.5

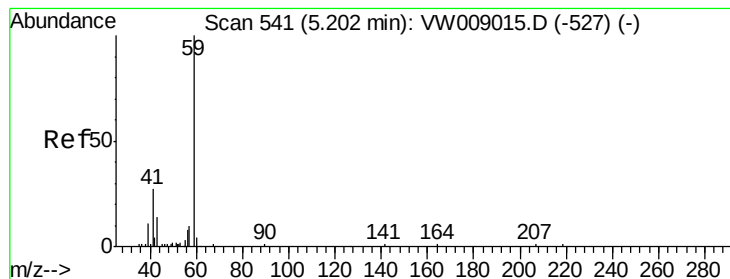


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



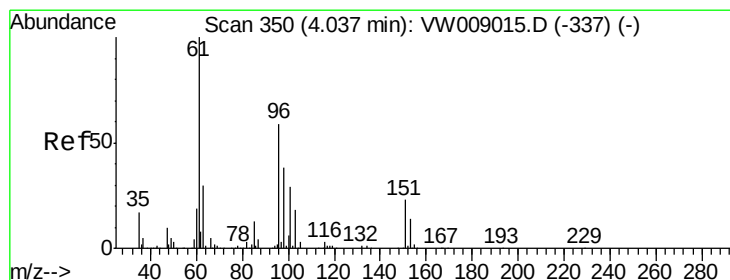
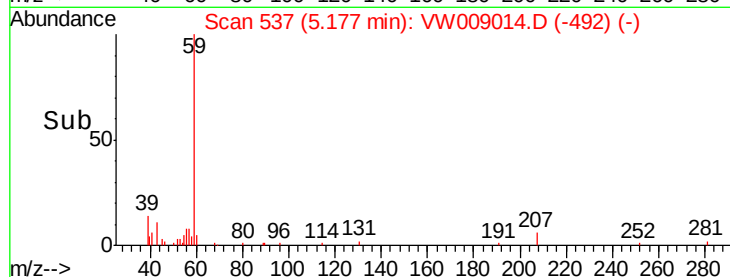
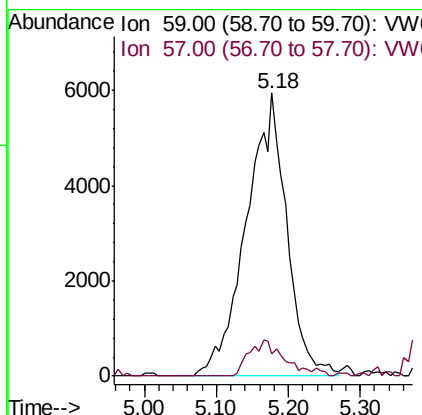
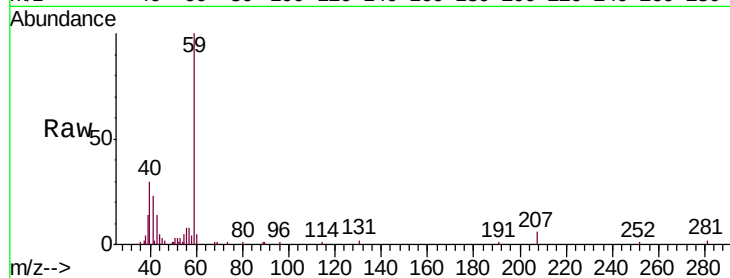


#11

Tert butyl alcohol
 Concen: 107.098 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.02 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

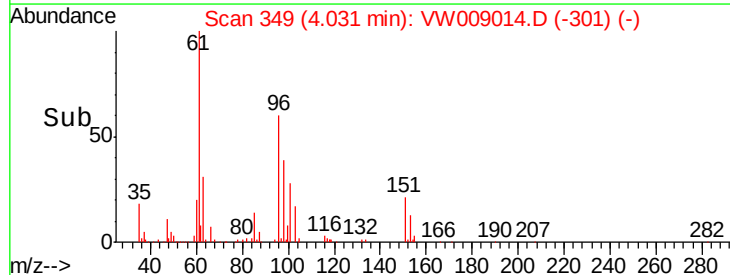
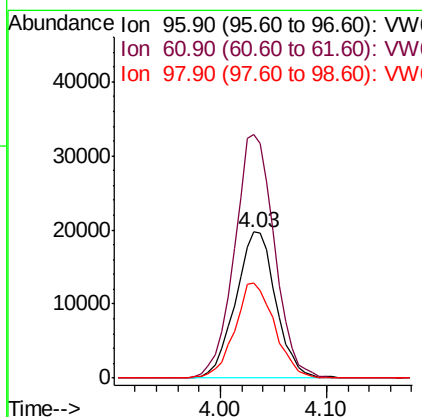
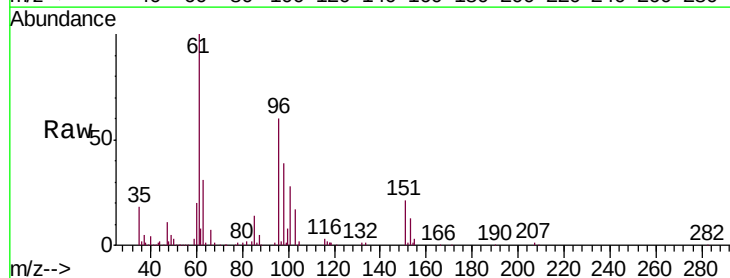
Tgt Ion: 59 Resp: 23109
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.6

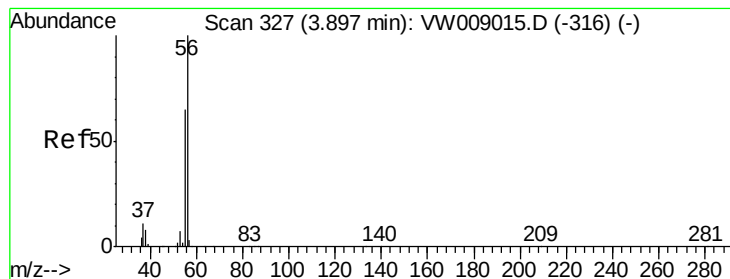


#12

1,1-Dichloroethene
 Concen: 20.302 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion: 96 Resp: 52134
 Ion Ratio Lower Upper
 96 100
 61 166.0 135.8 203.6
 98 64.7 51.6 77.4





#13

Acrolein

Concen: 111.547 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

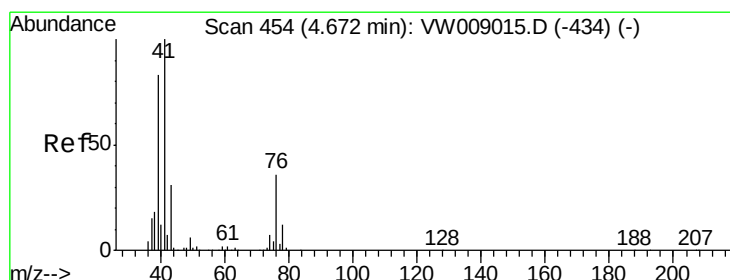
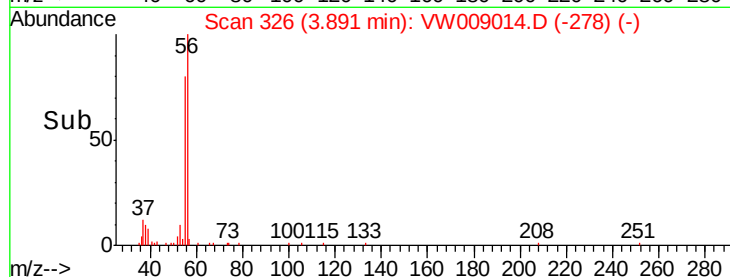
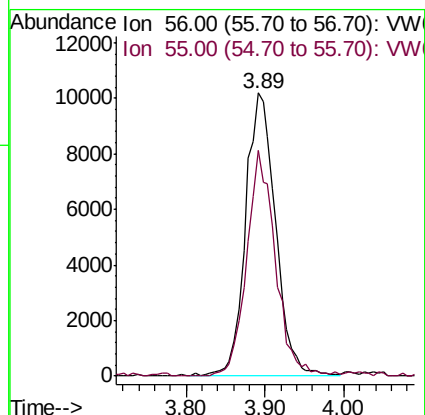
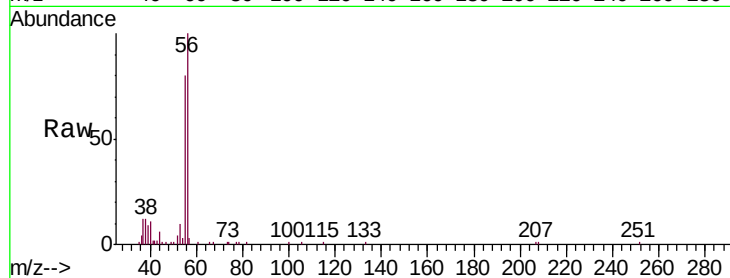
VSTDIC020

Tgt Ion: 56 Resp: 26982

Ion Ratio Lower Upper

56 100

55 75.8 57.1 85.7



#14

Allyl chloride

Concen: 19.683 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

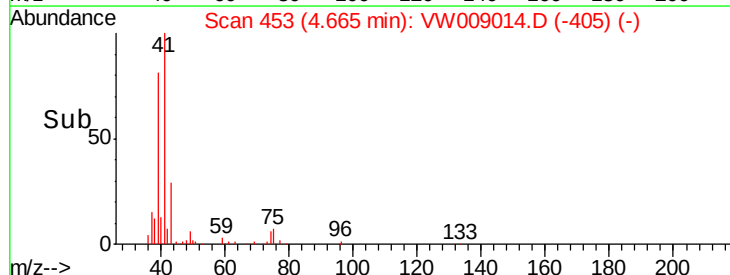
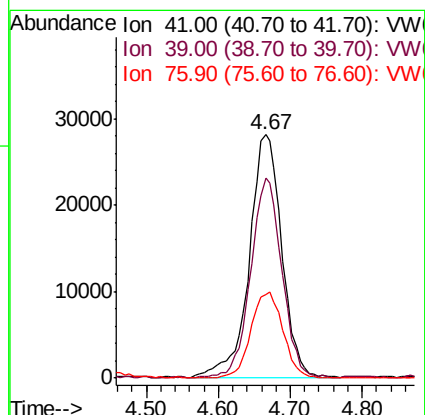
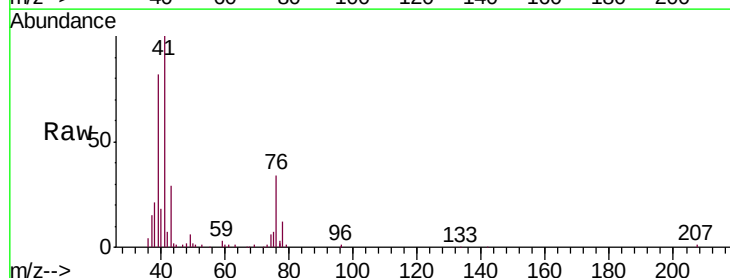
Tgt Ion: 41 Resp: 87388

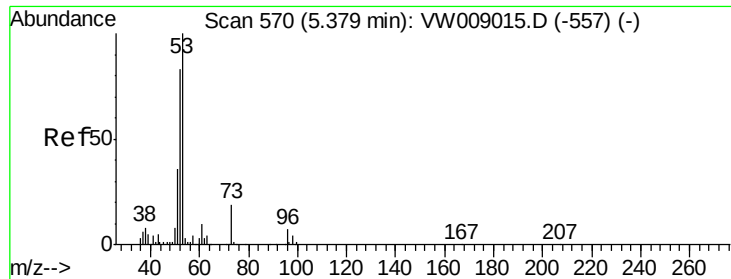
Ion Ratio Lower Upper

41 100

39 80.1 63.6 95.4

76 35.1 27.9 41.9





#15

Acrylonitrile

Concen: 99.810 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

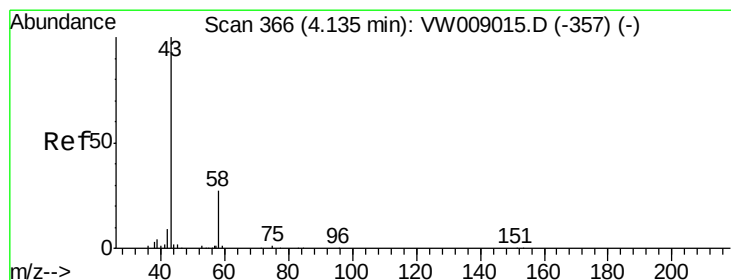
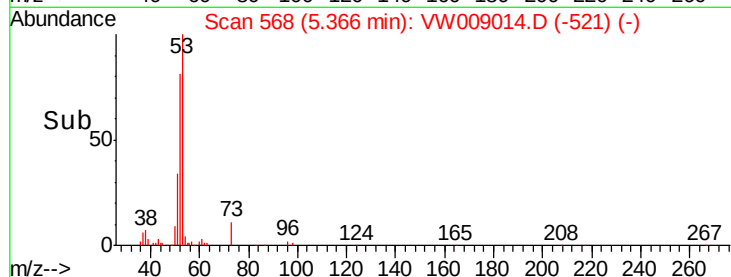
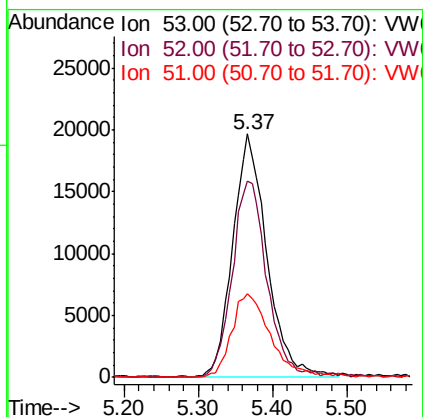
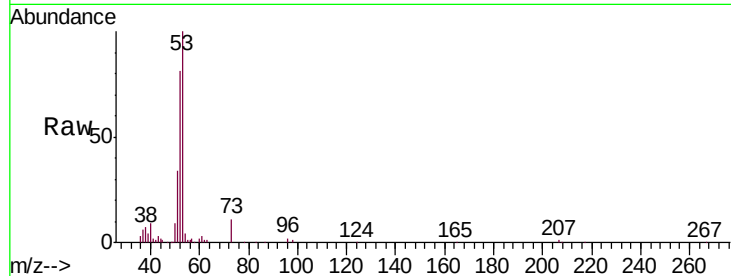
Tgt Ion: 53 Resp: 63348

Ion Ratio Lower Upper

53 100

52 81.8 66.6 100.0

51 39.0 30.6 45.8



#16

Acetone

Concen: 97.118 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW009014.D

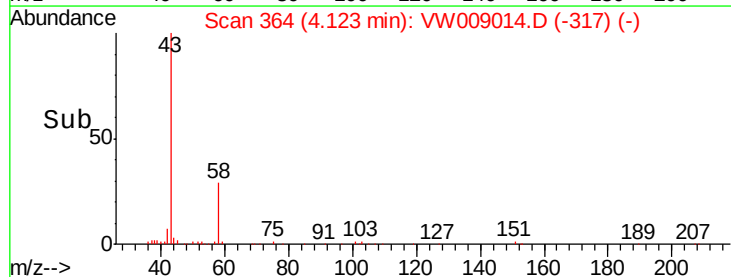
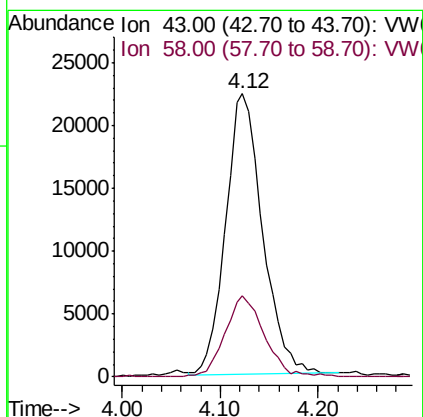
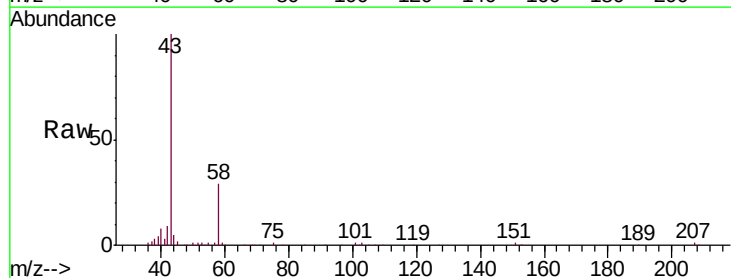
Acq: 06 Mar 2019 11:43

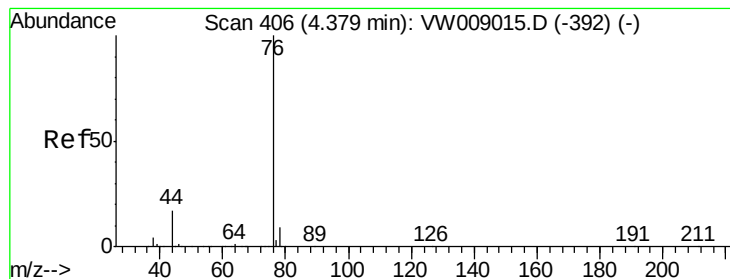
Tgt Ion: 43 Resp: 58811

Ion Ratio Lower Upper

43 100

58 28.8 21.6 32.4





#17

Carbon Disulfide

Concen: 19.943 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

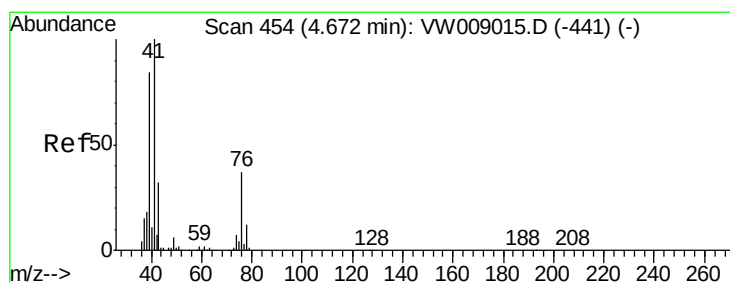
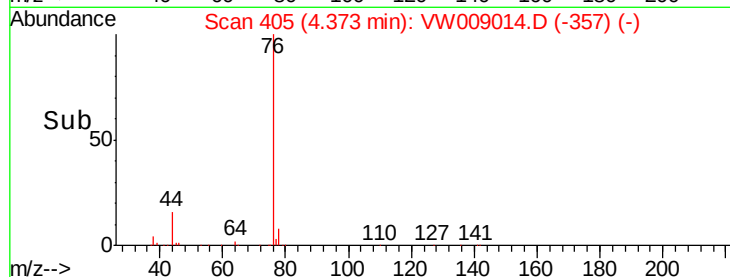
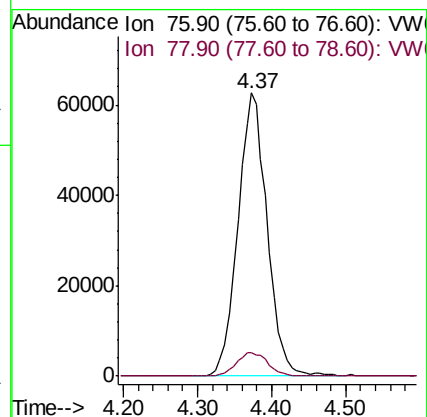
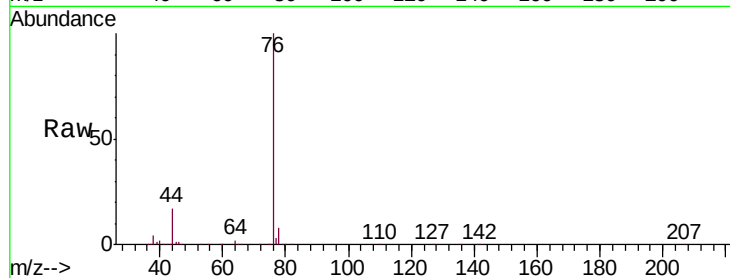
VSTDIC020

Tgt Ion: 76 Resp: 171631

Ion Ratio Lower Upper

76 100

78 8.3 6.9 10.3



#18

Methyl Acetate

Concen: 19.663 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW009014.D

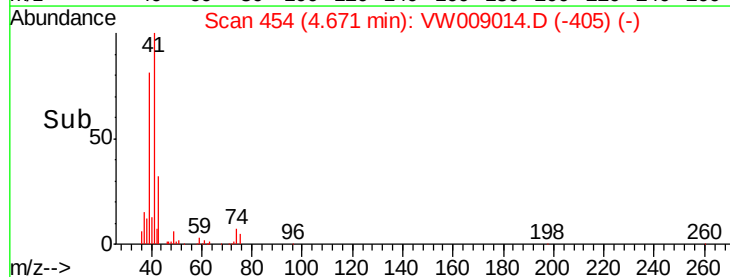
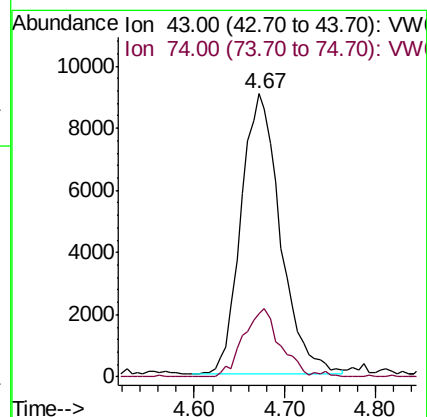
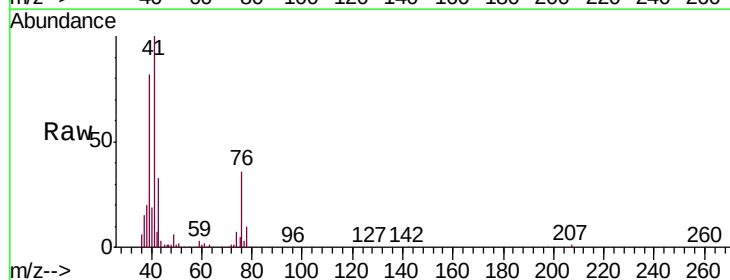
Acq: 06 Mar 2019 11:43

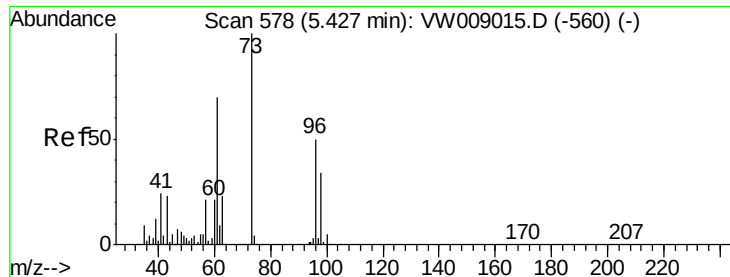
Tgt Ion: 43 Resp: 27160

Ion Ratio Lower Upper

43 100

74 22.5 17.7 26.5



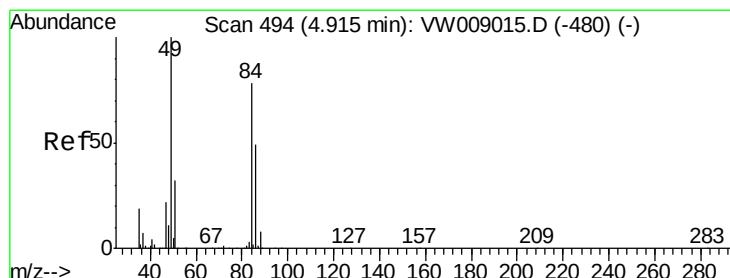
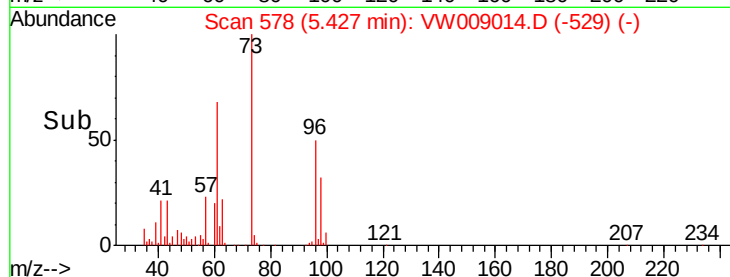
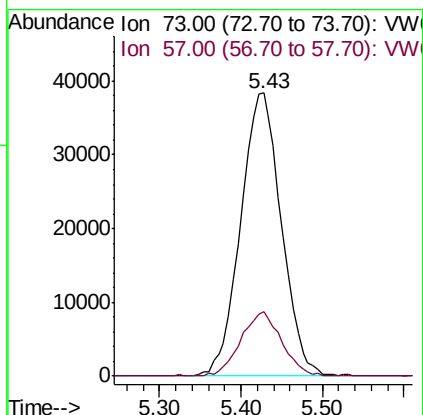
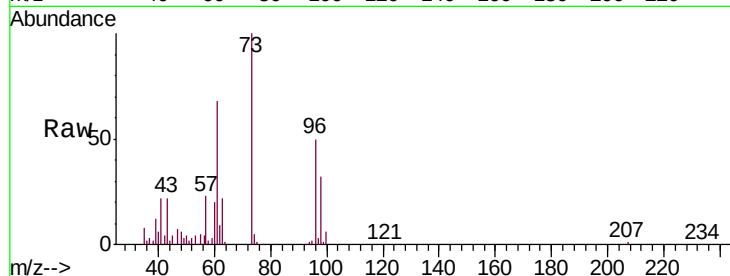


#19

Methyl tert-butyl Ether
 Concen: 20.016 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

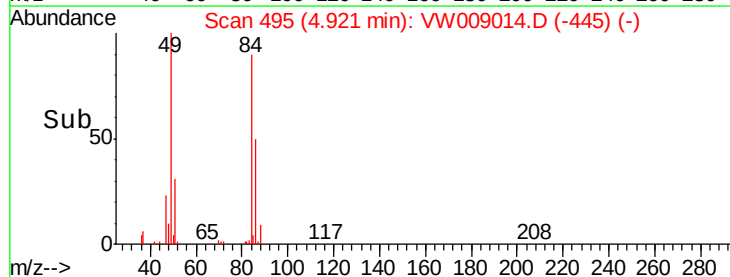
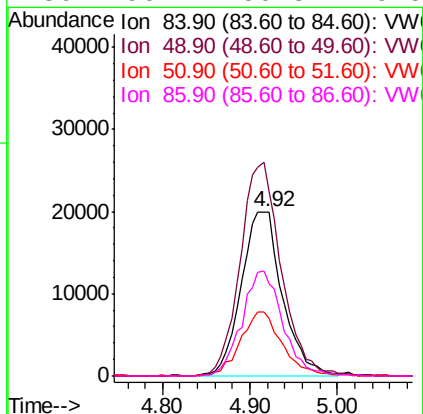
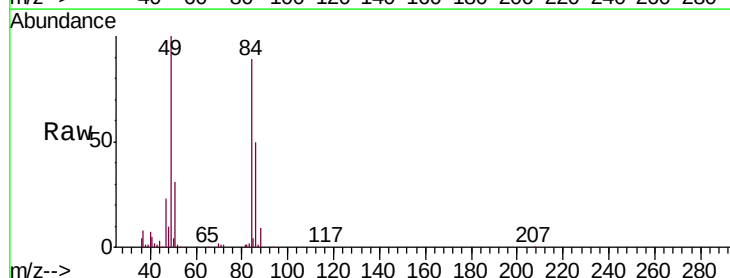
Tgt Ion: 73 Resp: 133060
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.0 25.6

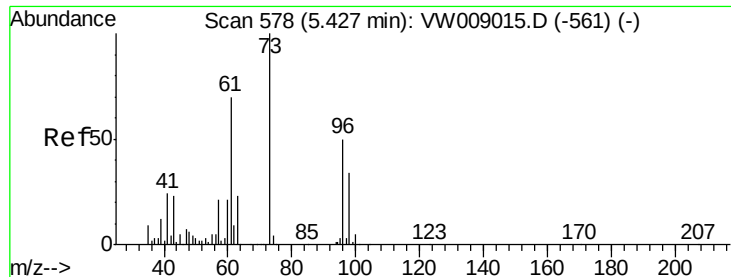


#20

Methylene Chloride
 Concen: 18.470 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion: 84 Resp: 65482
 Ion Ratio Lower Upper
 84 100
 49 112.2 102.8 154.2
 51 34.9 32.4 48.6
 86 56.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.264 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

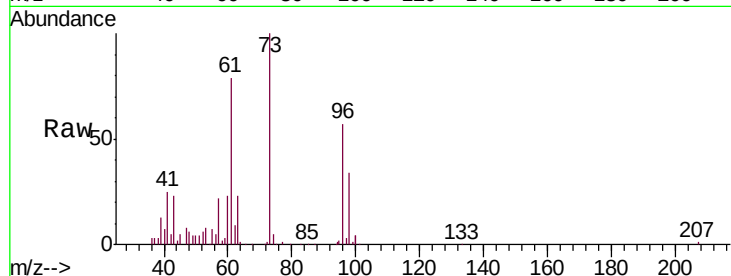
Tgt Ion: 96 Resp: 59522

Ion Ratio Lower Upper

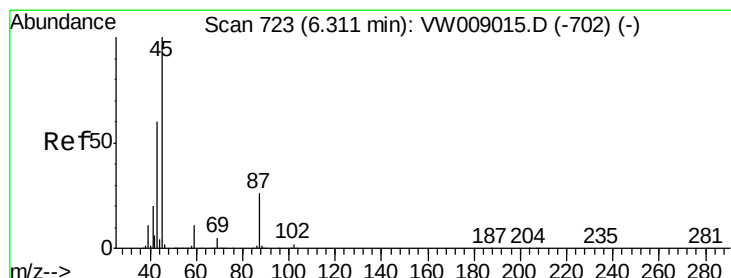
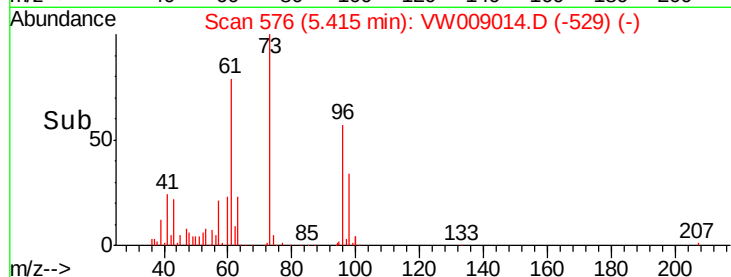
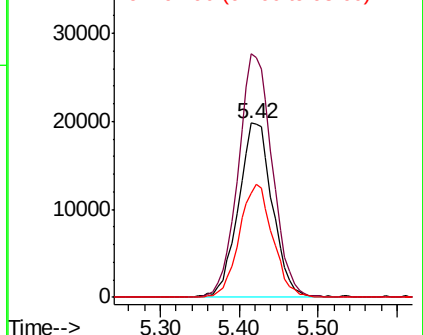
96 100

61 139.7 113.2 169.8

98 59.8 55.7 83.5



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



#22

Diisopropyl ether

Concen: 19.705 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Tgt Ion: 45 Resp: 174689

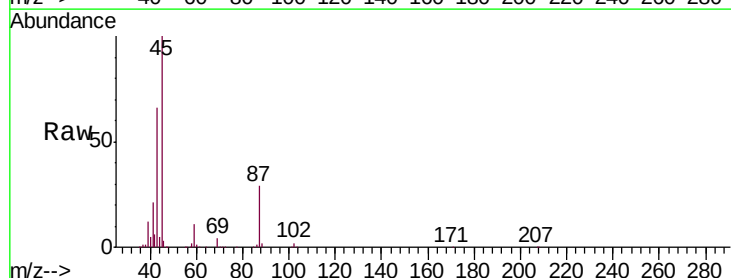
Ion Ratio Lower Upper

45 100

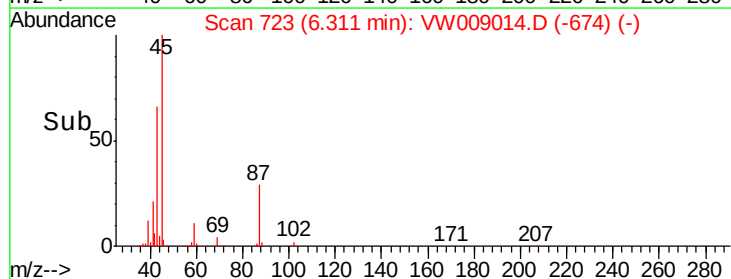
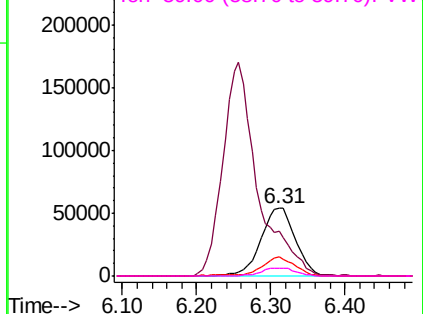
43 65.2 48.1 72.1

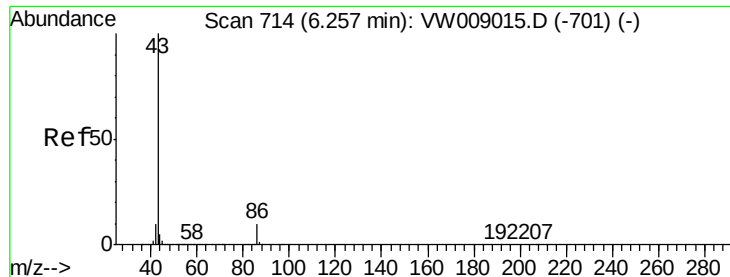
87 28.8 20.9 31.3

59 10.9 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 100.670 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

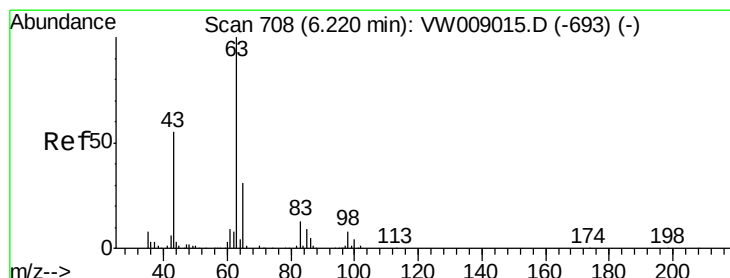
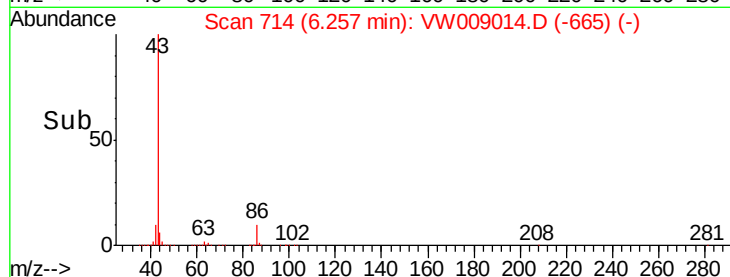
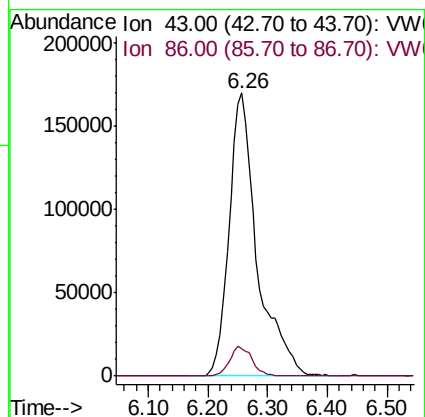
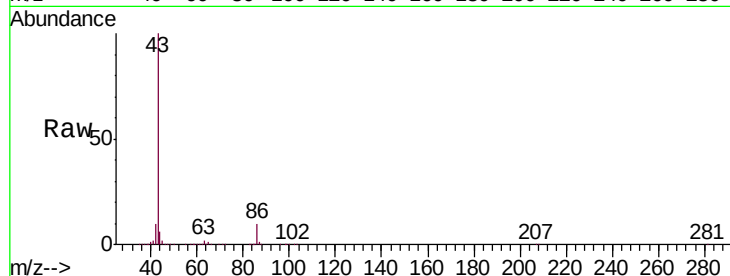
VSTDIC020

Tgt Ion: 43 Resp: 555858

Ion Ratio Lower Upper

43 100

86 9.6 8.0 12.0



#24

1,1-Dichloroethane

Concen: 19.925 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

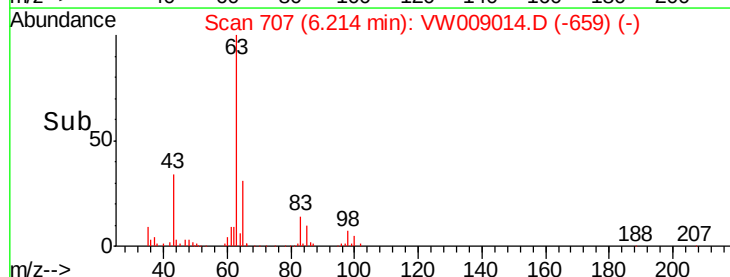
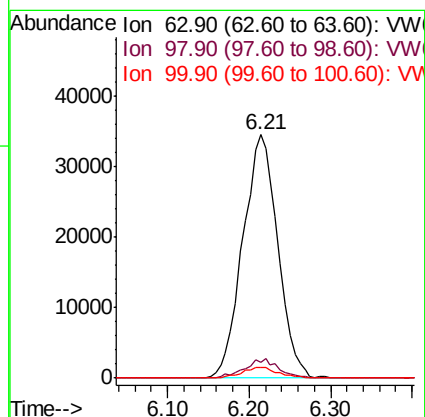
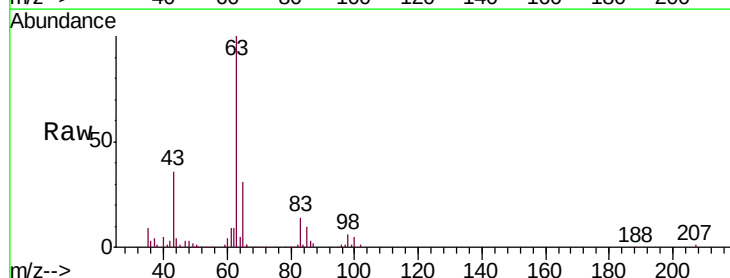
Tgt Ion: 63 Resp: 102711

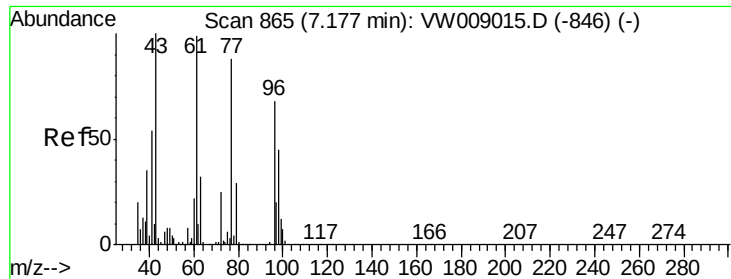
Ion Ratio Lower Upper

63 100

98 6.5 4.0 12.2

100 4.6 2.0 5.8





#25

2-Butanone

Concen: 100.973 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

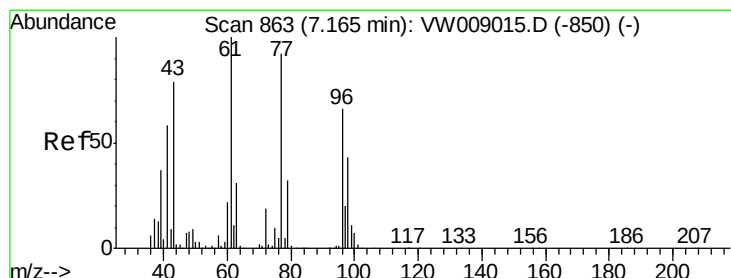
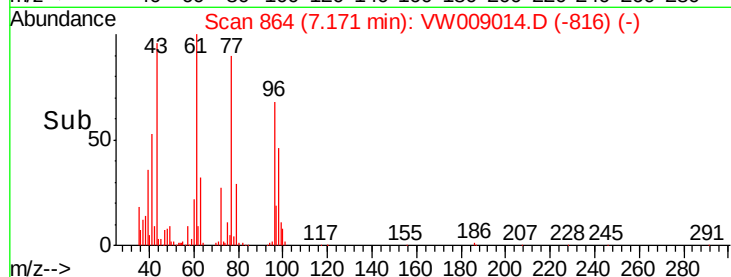
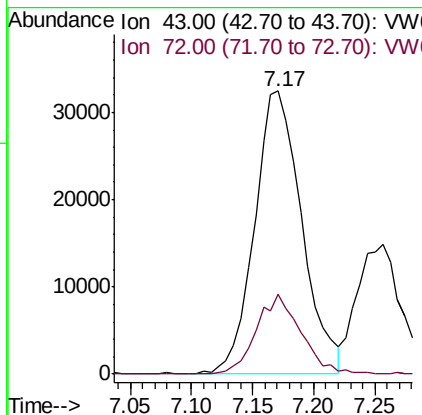
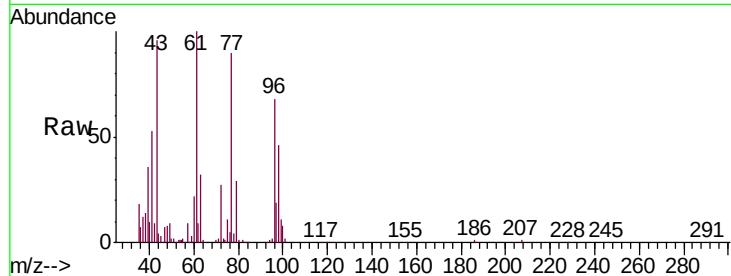
VSTDIC020

Tgt Ion: 43 Resp: 87030

Ion Ratio Lower Upper

43 100

72 28.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 19.968 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009014.D

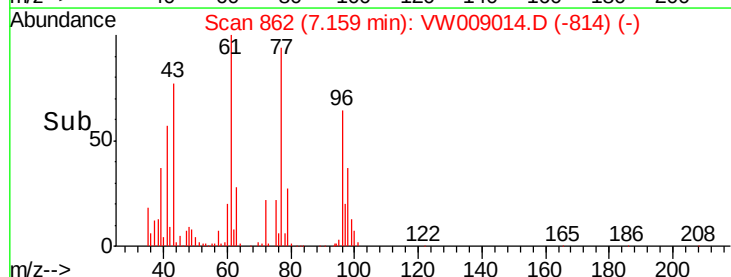
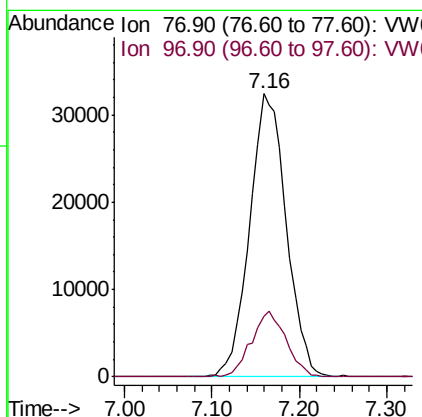
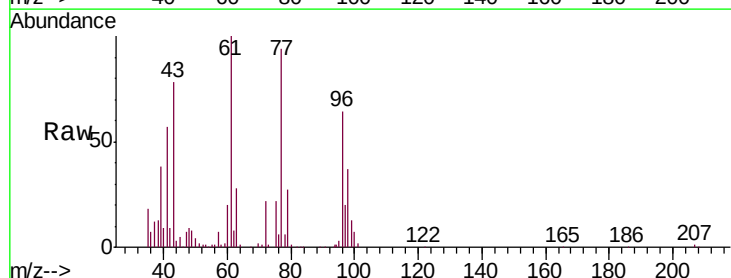
Acq: 06 Mar 2019 11:43

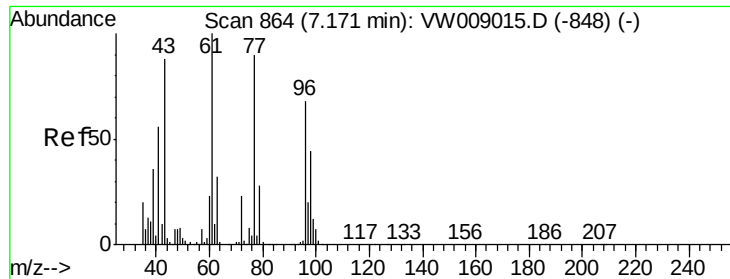
Tgt Ion: 77 Resp: 94155

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1



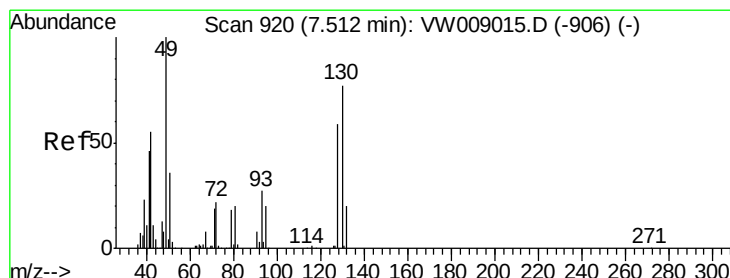
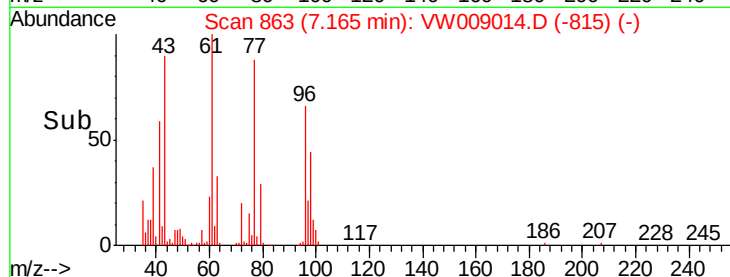
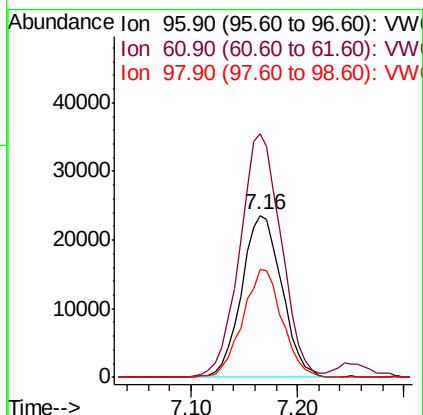
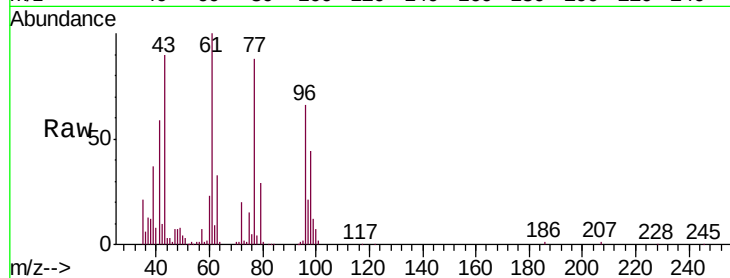


#27

cis-1,2-Dichloroethene
Concen: 20.263 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

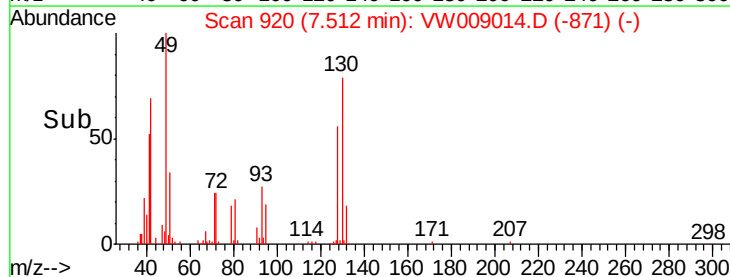
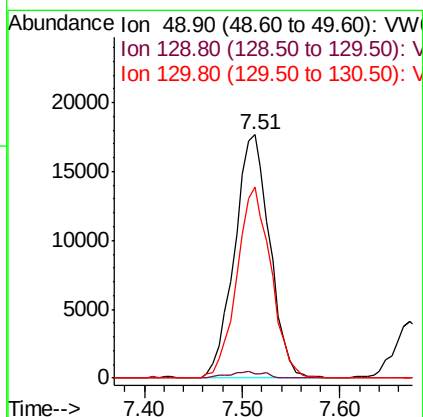
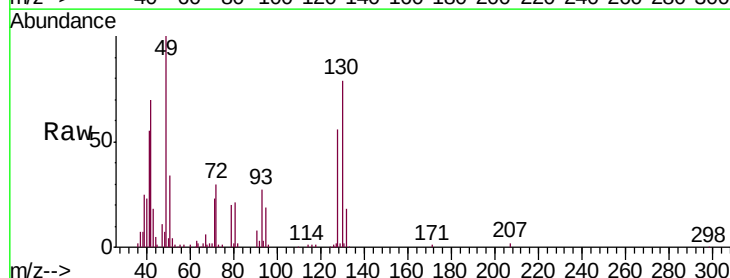
Tgt Ion: 96 Resp: 62658
Ion Ratio Lower Upper
96 100
61 154.5 0.0 303.6
98 65.5 0.0 129.0

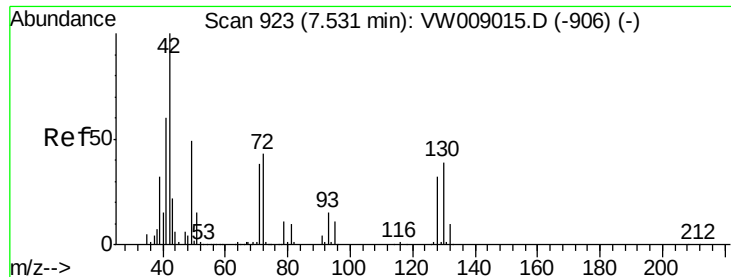


#28

Bromochloromethane
Concen: 19.756 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion: 49 Resp: 44206
Ion Ratio Lower Upper
49 100
129 2.7 0.0 3.2
130 76.2 59.9 89.9

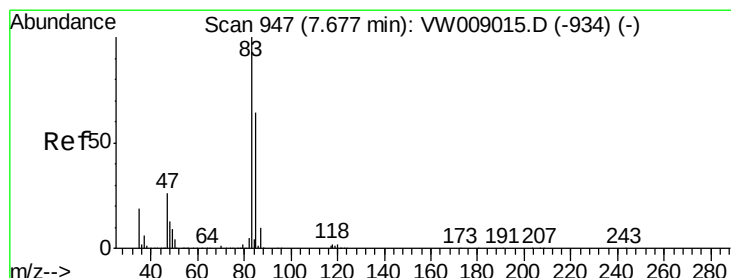
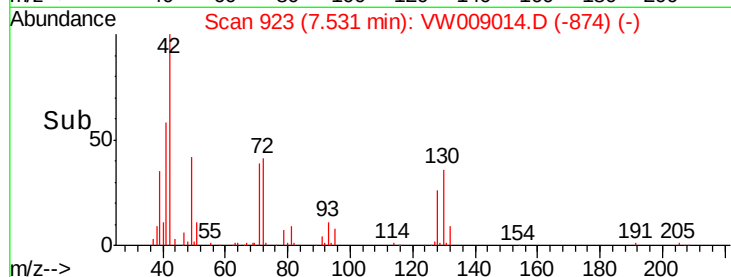
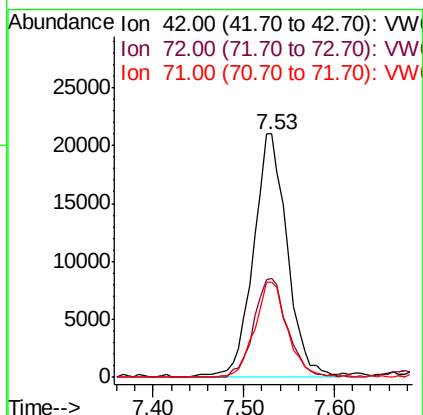
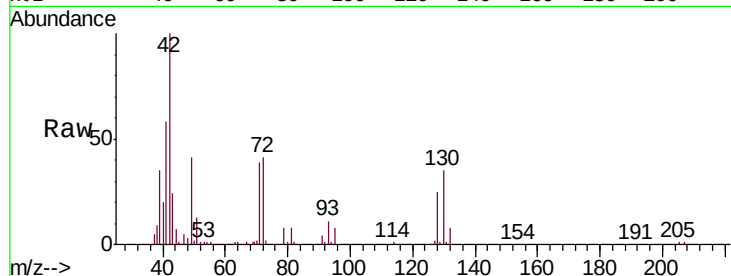




#29
Tetrahydrofuran
Concen: 100.292 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

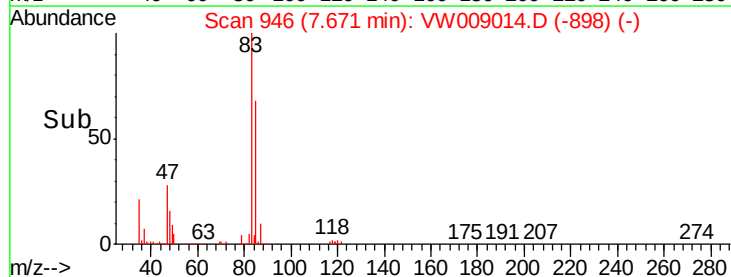
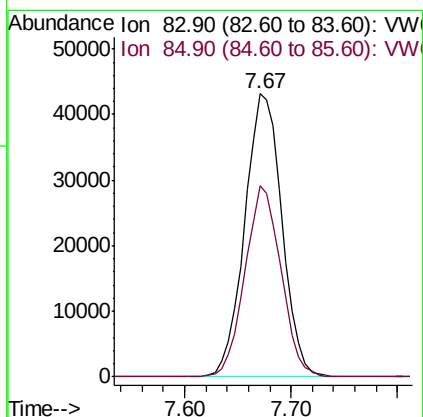
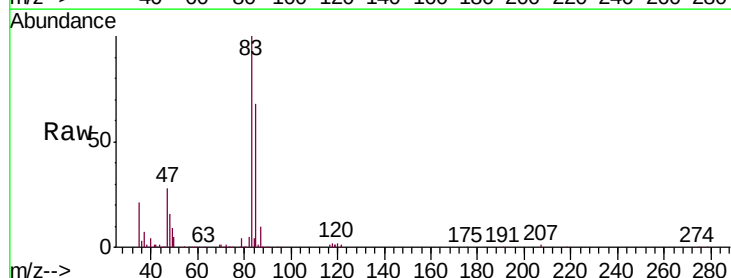
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

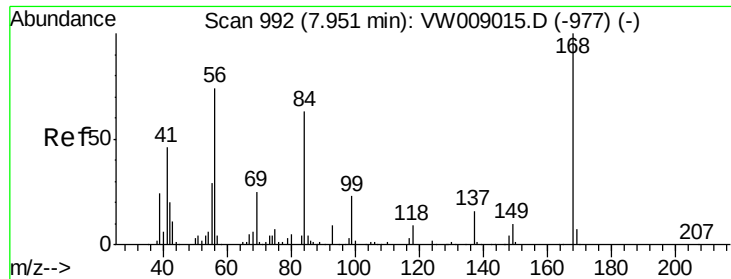
Tgt Ion: 42 Resp: 54307
Ion Ratio Lower Upper
42 100
72 40.5 32.5 48.7
71 38.0 31.6 47.4



#30
Chloroform
Concen: 20.074 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion: 83 Resp: 105948
Ion Ratio Lower Upper
83 100
85 67.6 51.4 77.0

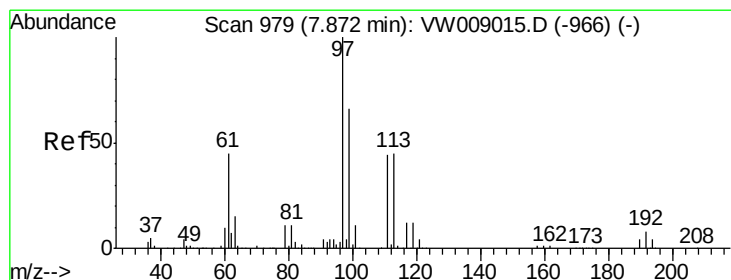
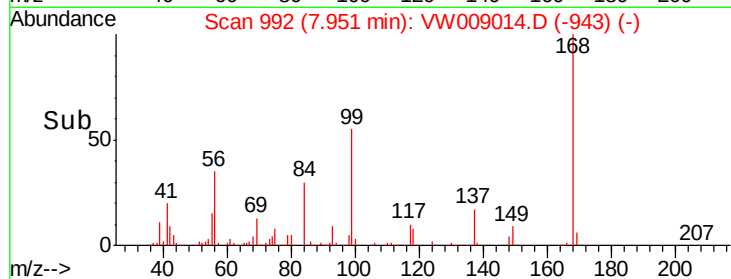
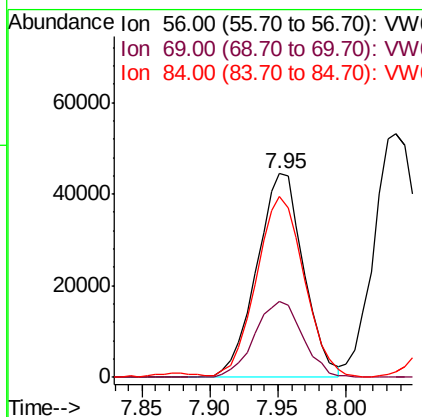
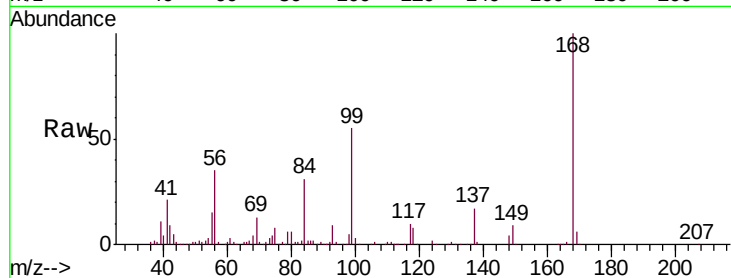




#31
Cyclohexane
Concen: 20.228 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

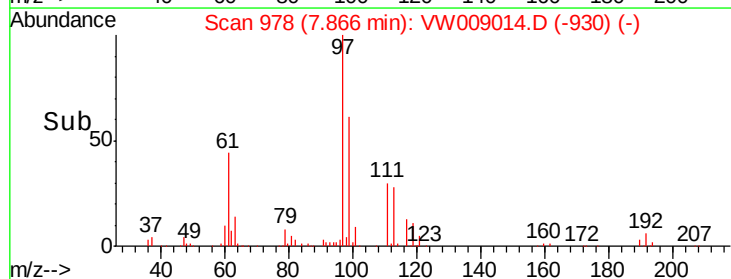
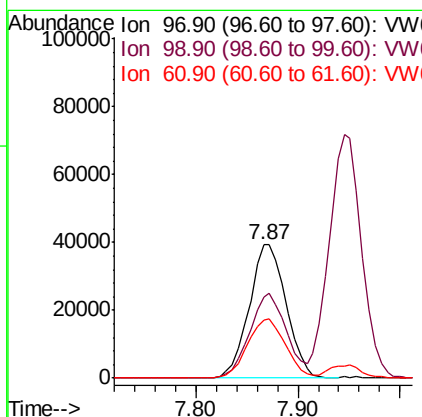
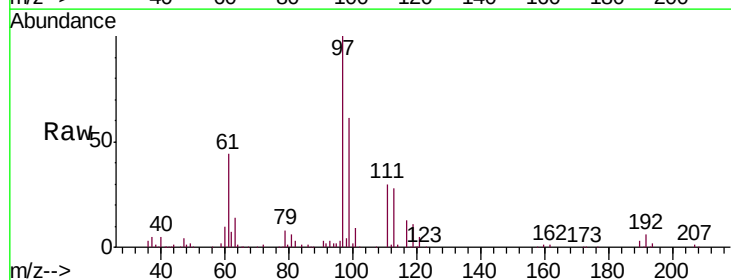
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

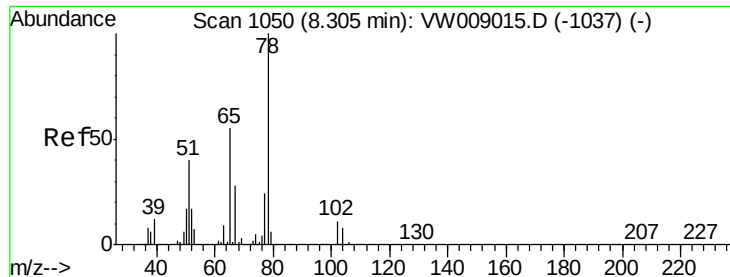
Tgt Ion: 56 Resp: 107228
Ion Ratio Lower Upper
56 100
69 37.1 27.0 40.4
84 87.5 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 20.417 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion: 97 Resp: 98976
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.0
61 45.5 37.4 56.0

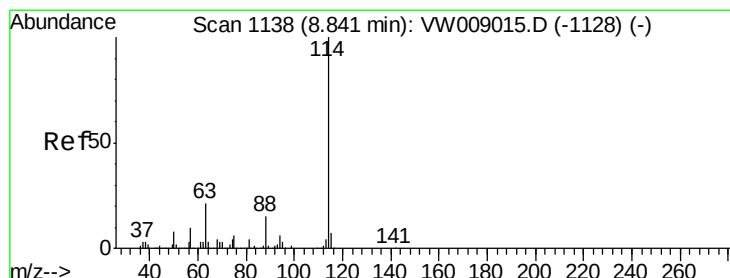
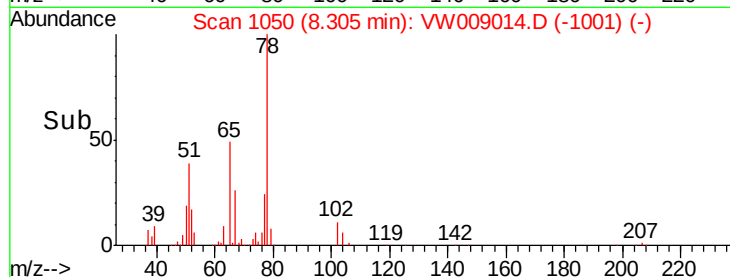
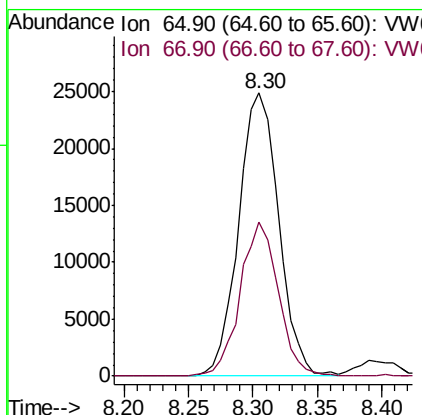
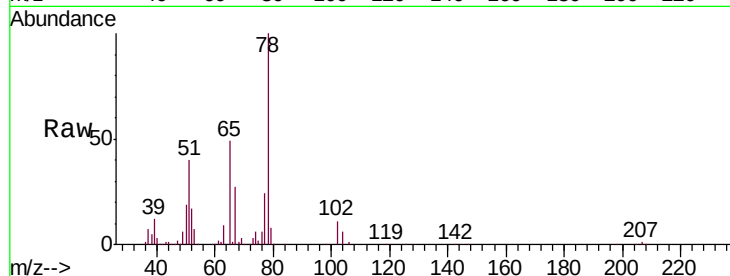




#33
 1,2-Dichloroethane-d4
 Concen: 18.186 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

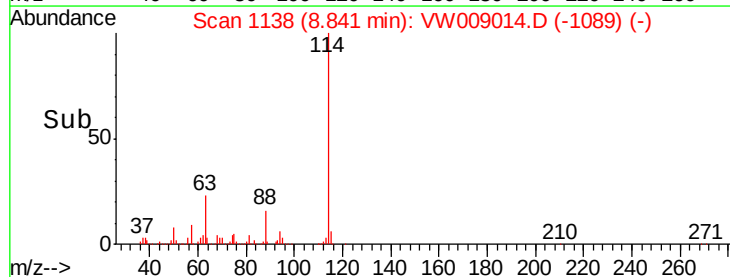
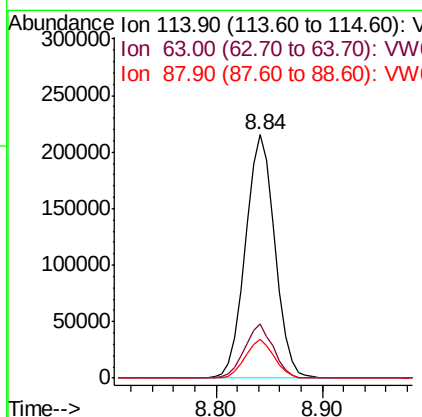
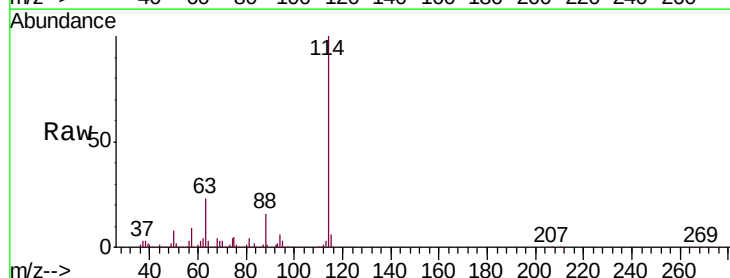
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

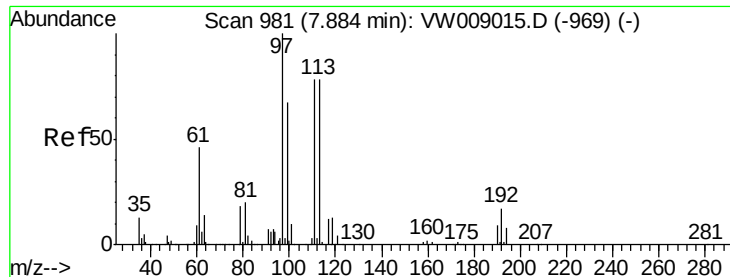
Tgt Ion: 65 Resp: 53646
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion: 114 Resp: 416952
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.4
 88 15.9 0.0 30.8

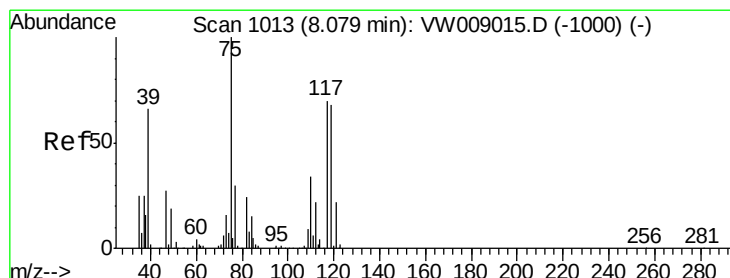
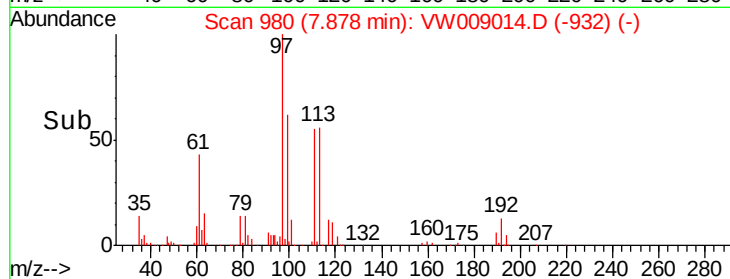
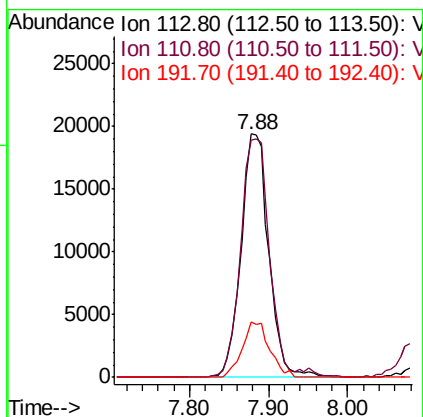
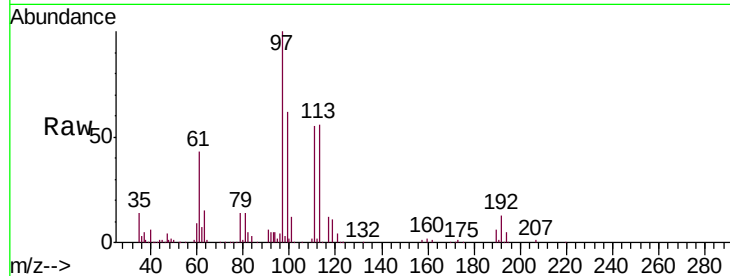




#35
 Dibromofluoromethane
 Concen: 18.829 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

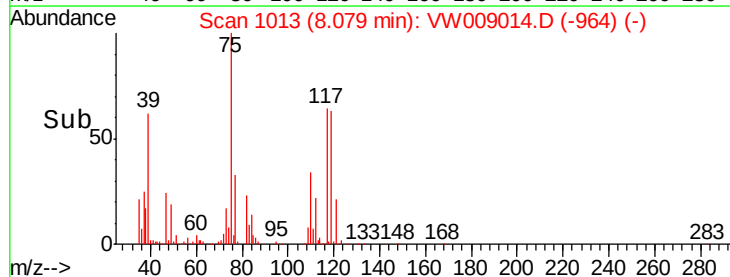
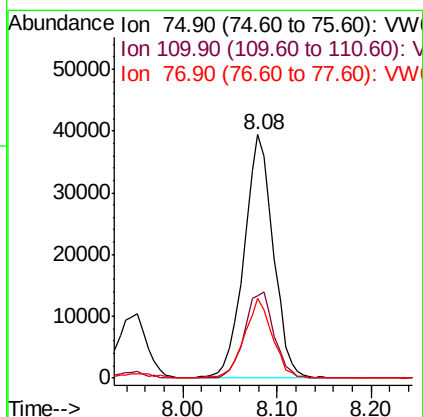
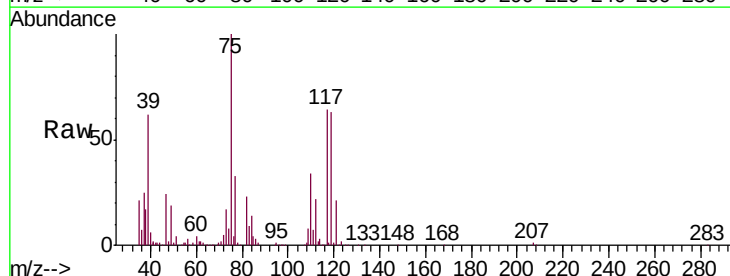
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

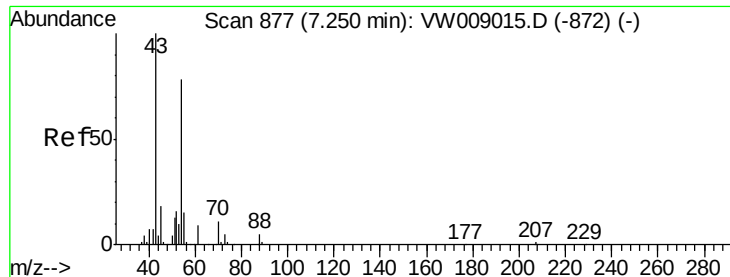
Tgt Ion: 113 Resp: 47261
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.5 120.7
 192 22.3 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 20.716 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion: 75 Resp: 85887
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.3 51.9
 77 31.4 24.8 37.2

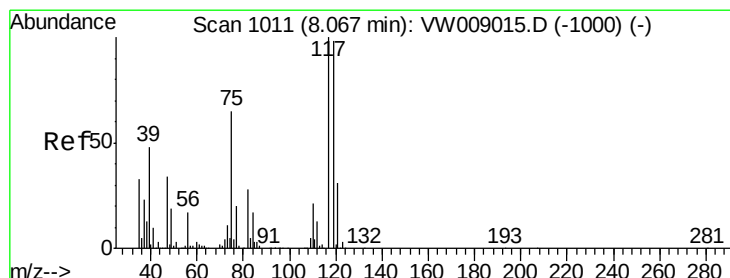
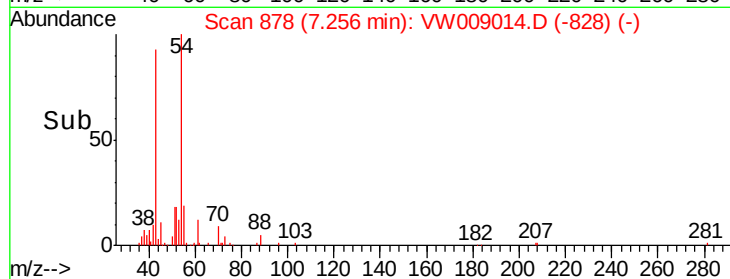
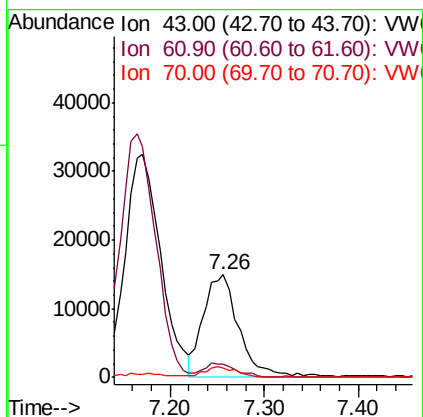
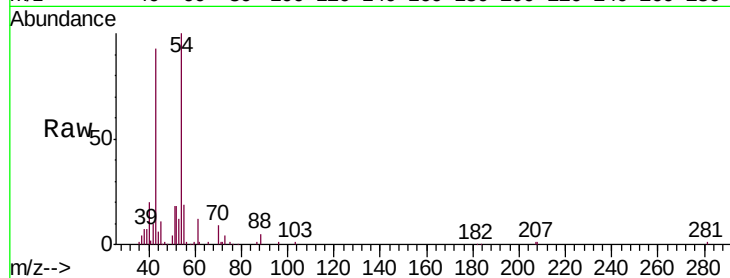




#37
Ethyl Acetate
Concen: 20.999 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

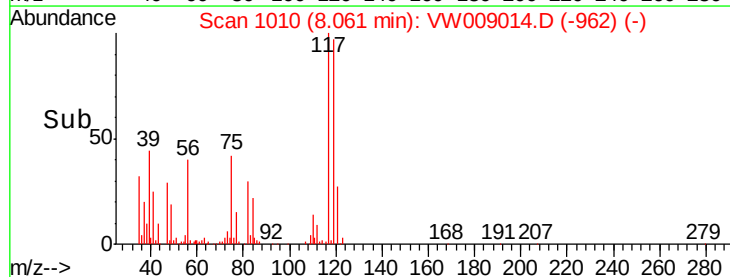
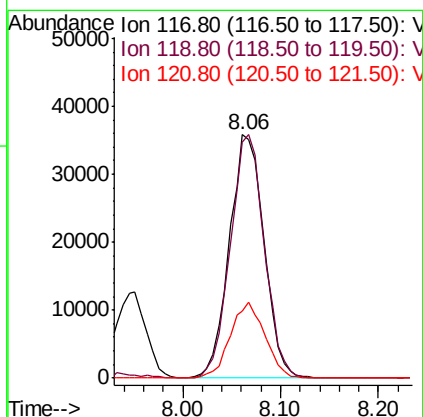
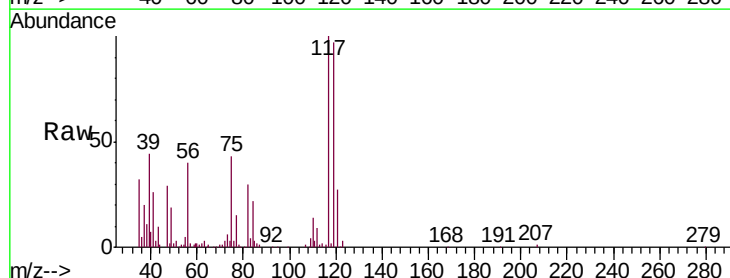
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

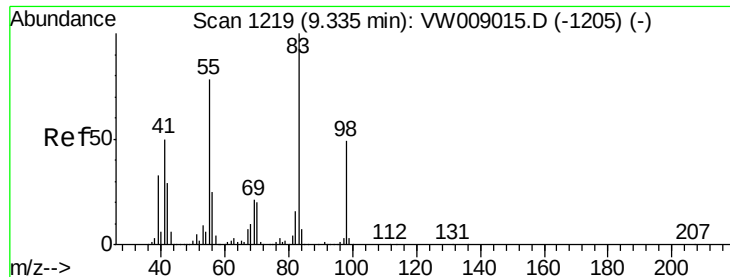
Tgt Ion: 43 Resp: 38508
Ion Ratio Lower Upper
43 100
61 12.7 10.6 15.8
70 9.4 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.514 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion: 117 Resp: 88013
Ion Ratio Lower Upper
117 100
119 97.1 78.4 117.6
121 27.4 24.7 37.1

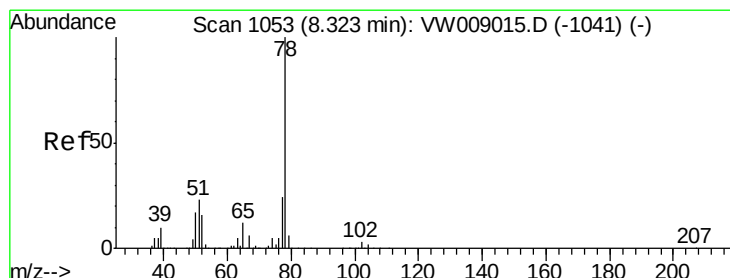
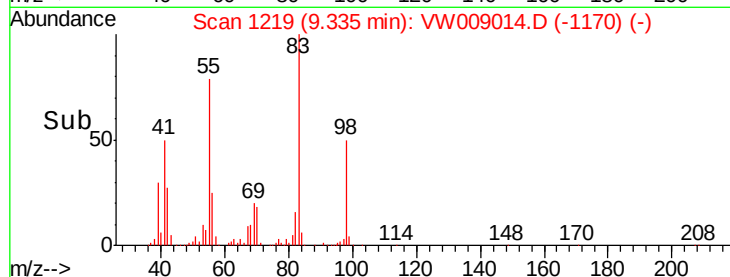
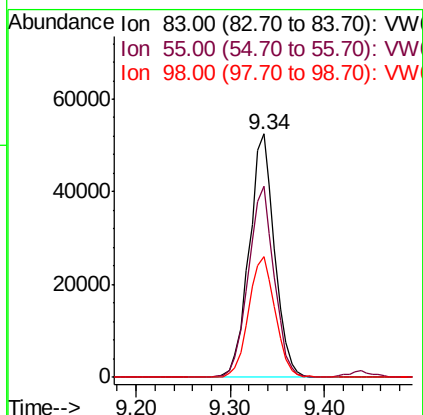
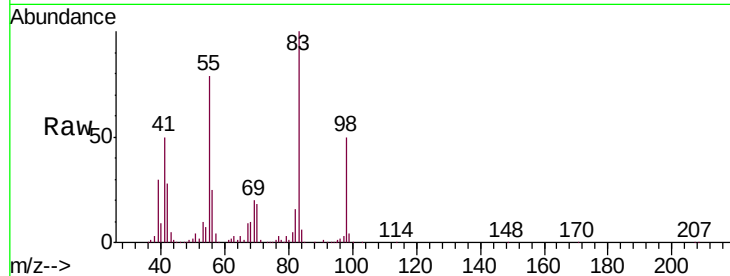




#39
Methylcyclohexane
Concen: 19.846 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

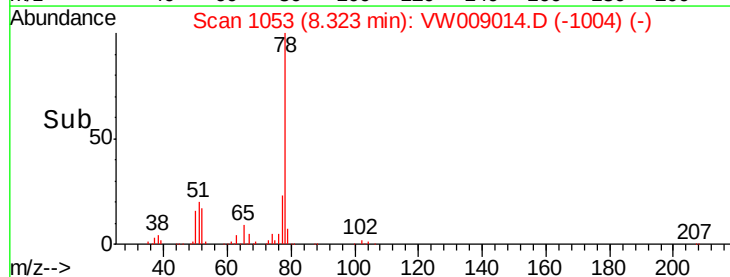
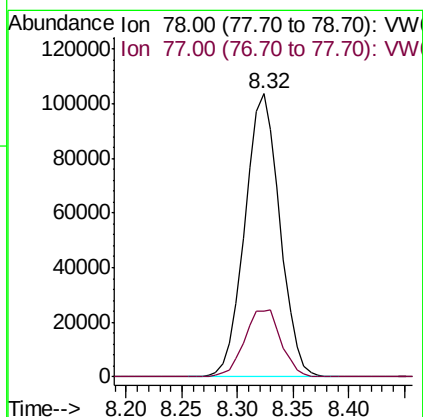
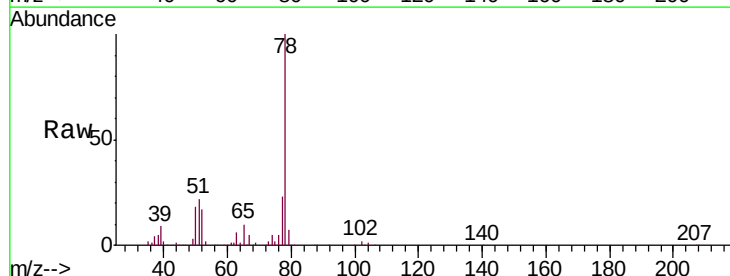
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

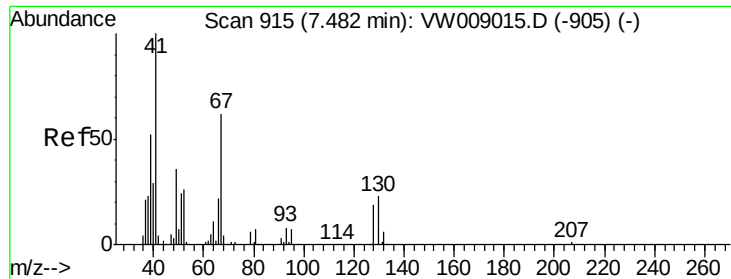
Tgt Ion: 83 Resp: 99397
Ion Ratio Lower Upper
83 100
55 78.7 62.6 93.8
98 49.8 39.4 59.2



#40
Benzene
Concen: 20.268 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion: 78 Resp: 226647
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3

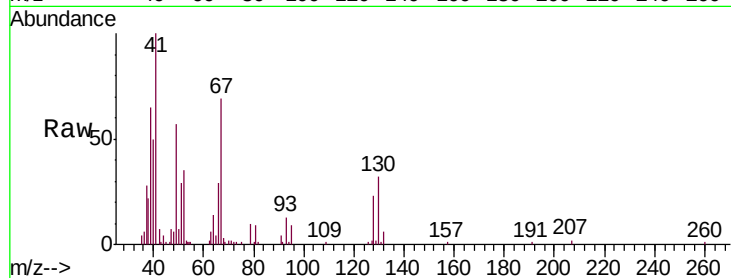




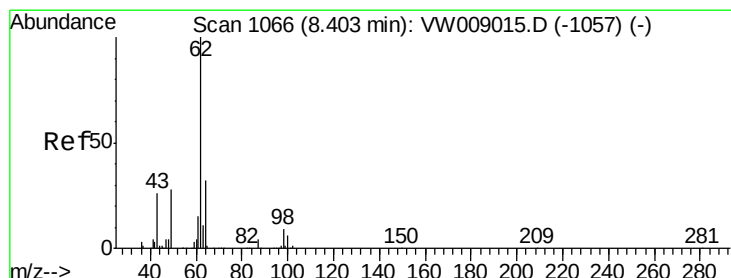
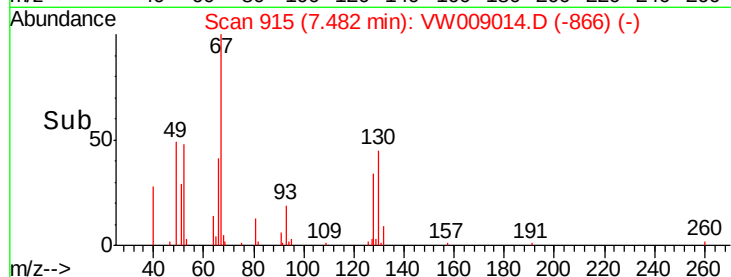
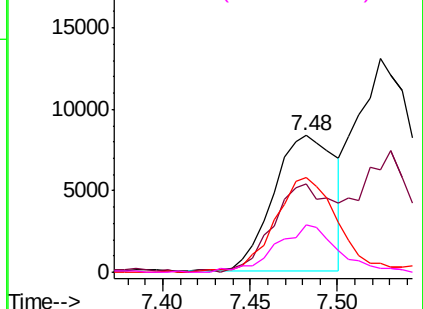
#41
Methacrylonitrile
Concen: 18.812 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	20462
Ion	Ratio	Lower	Upper
41	100		
39	63.2	50.6	75.8
67	73.3	59.0	88.6
52	34.8	26.6	39.8

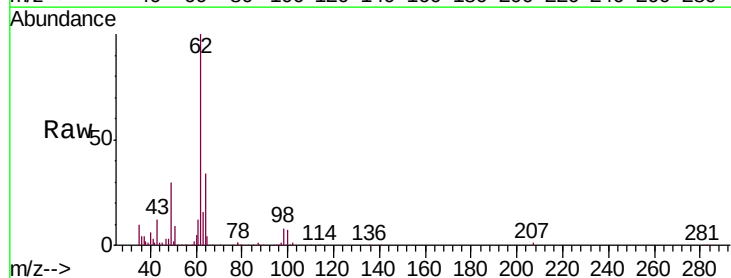


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

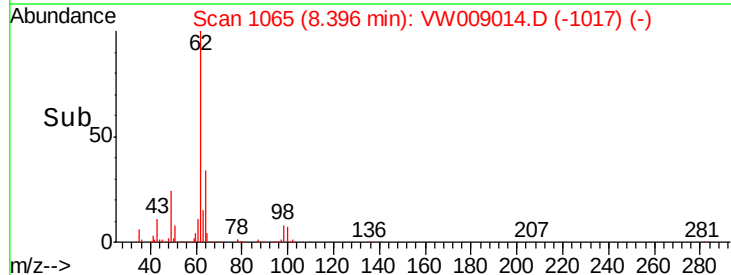
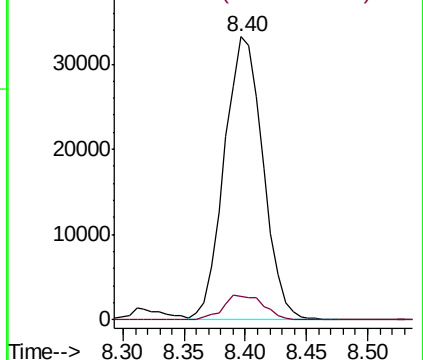


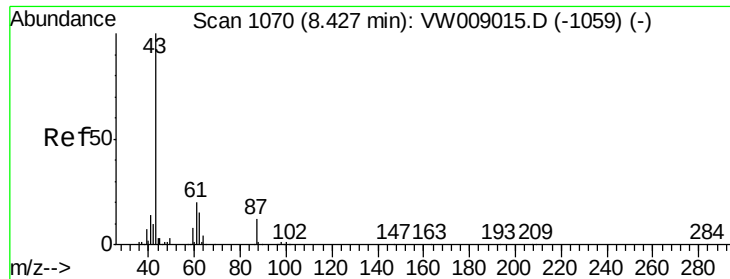
#42
1,2-Dichloroethane
Concen: 20.294 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion:	62	Resp:	72836
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.119 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

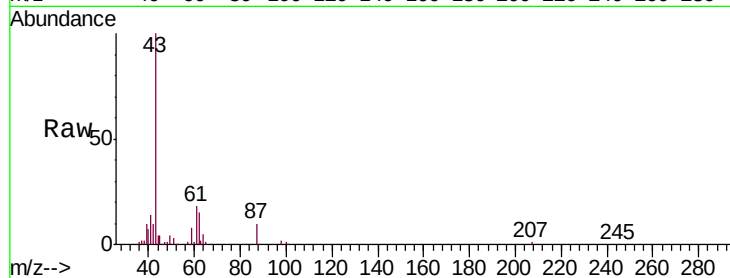
Tgt Ion: 43 Resp: 72526

Ion Ratio Lower Upper

43 100

61 28.9 23.5 35.3

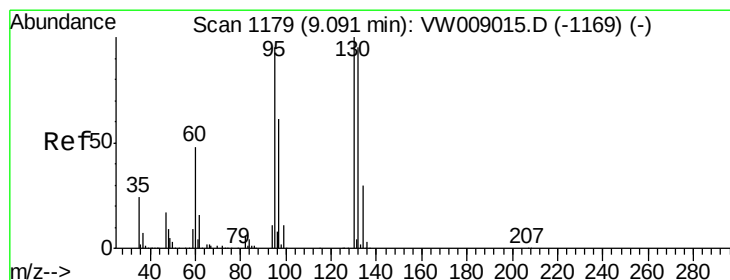
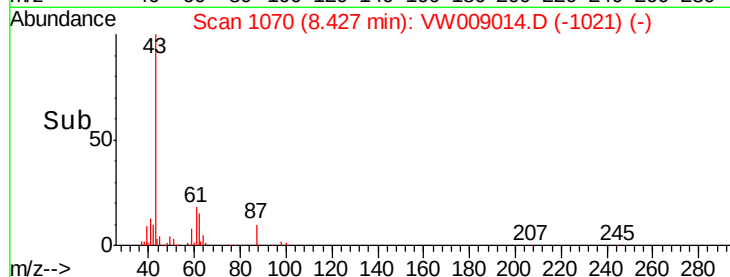
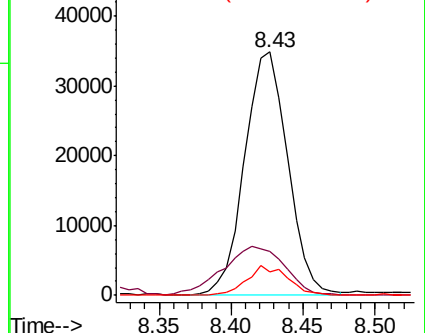
87 11.8 9.4 14.2



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: 21.212 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW009014.D

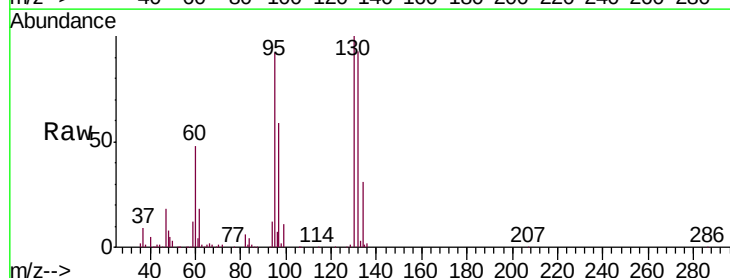
Acq: 06 Mar 2019 11:43

Tgt Ion: 130 Resp: 66141

Ion Ratio Lower Upper

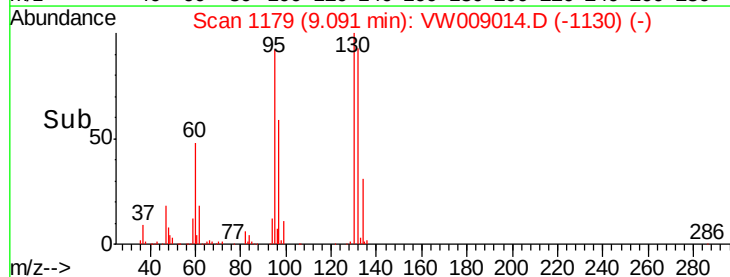
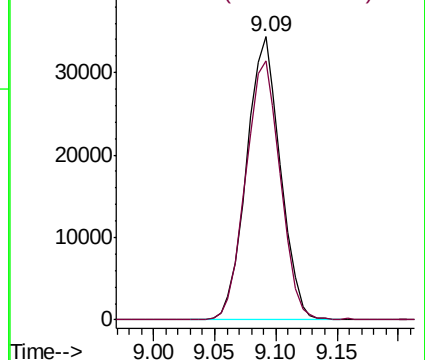
130 100

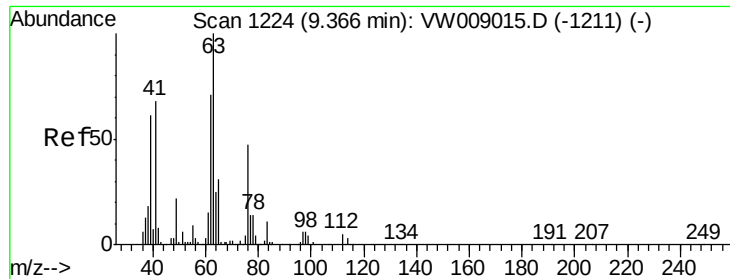
95 91.7 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

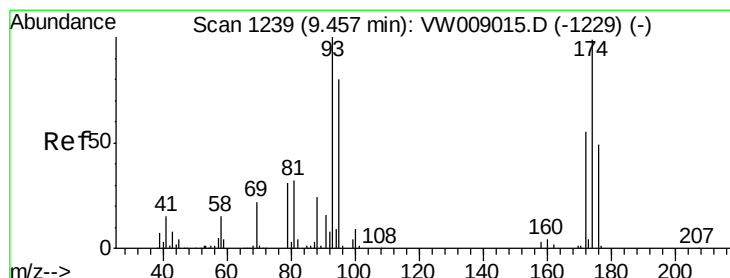
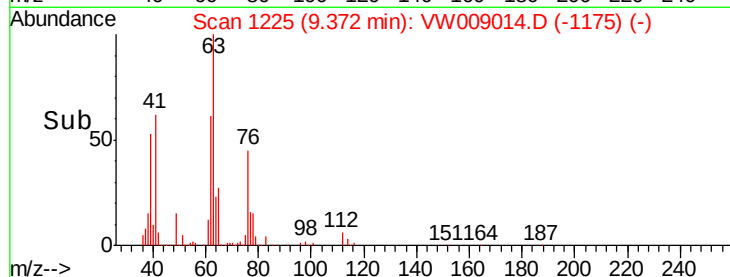
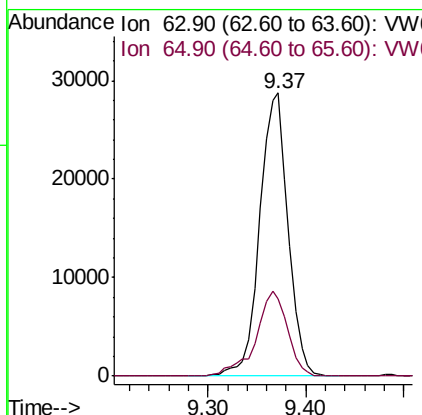
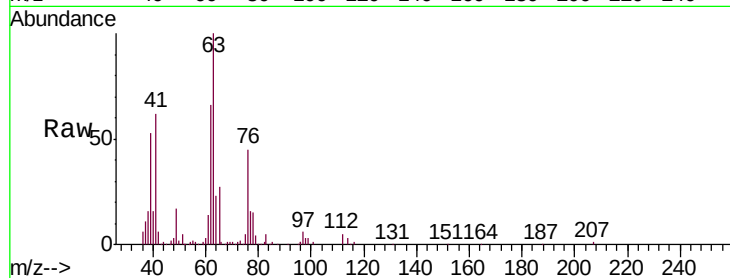




#45
 1,2-Dichloropropane
 Concen: 20.993 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

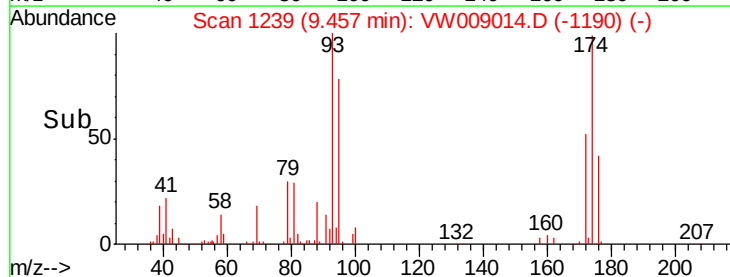
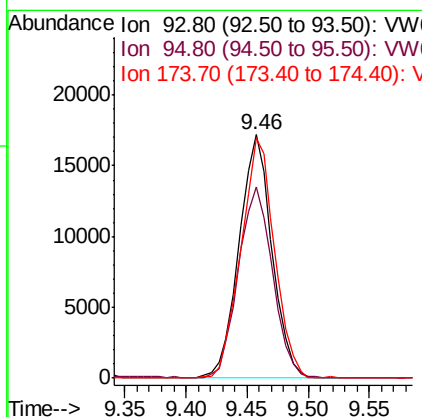
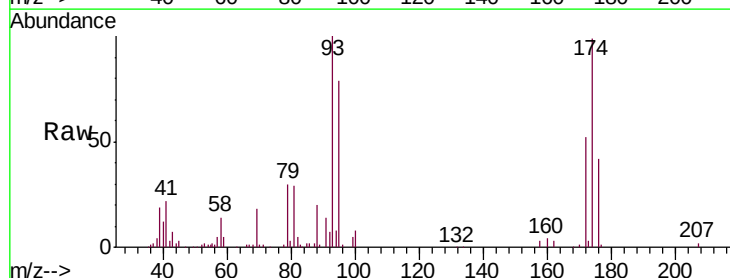
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

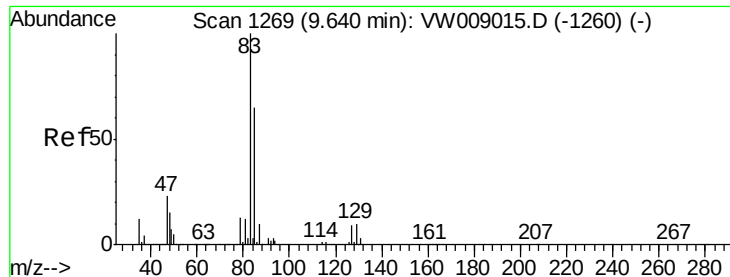
Tgt Ion: 63 Resp: 58197
 Ion Ratio Lower Upper
 63 100
 65 27.2 25.0 37.4



#46
 Dibromomethane
 Concen: 20.923 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion: 93 Resp: 32000
 Ion Ratio Lower Upper
 93 100
 95 81.8 64.1 96.1
 174 100.6 81.3 121.9





#47

Bromodichloromethane

Concen: 20.039 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

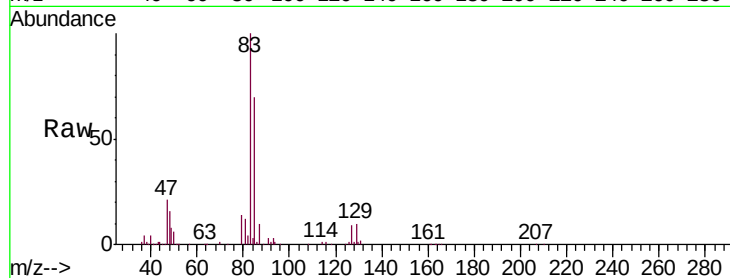
Tgt Ion: 83 Resp: 76831

Ion Ratio Lower Upper

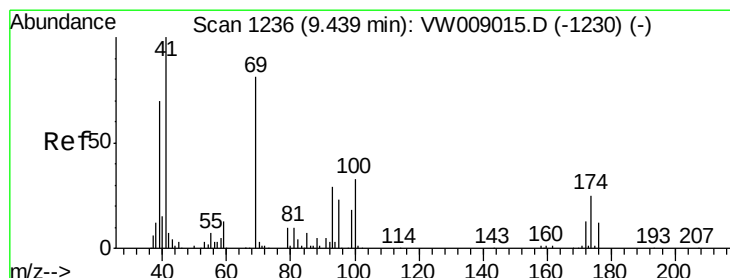
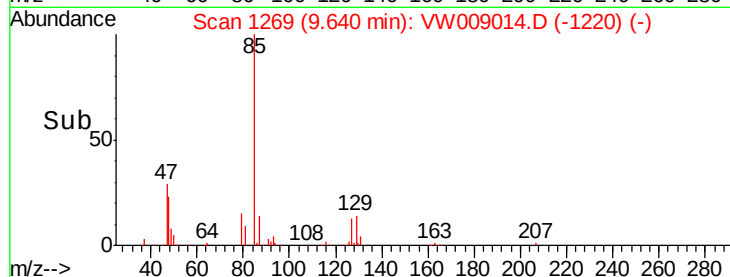
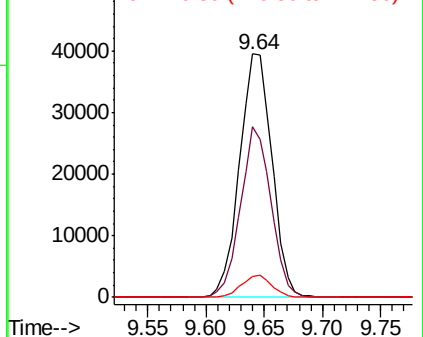
83 100

85 69.9 51.9 77.9

127 8.8 7.0 10.6



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



#48

Methyl methacrylate

Concen: 18.893 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

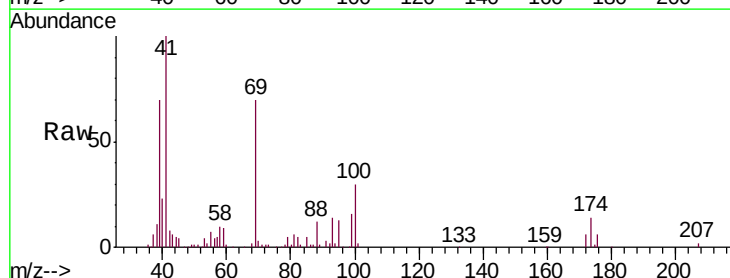
Tgt Ion: 41 Resp: 32182

Ion Ratio Lower Upper

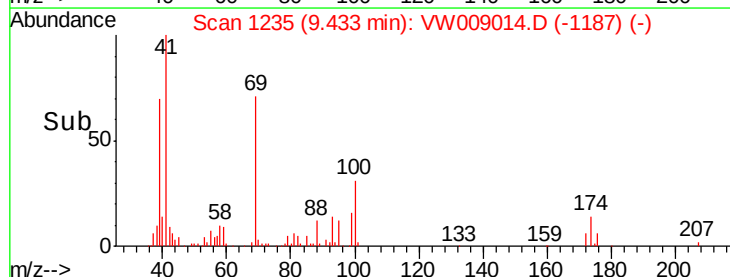
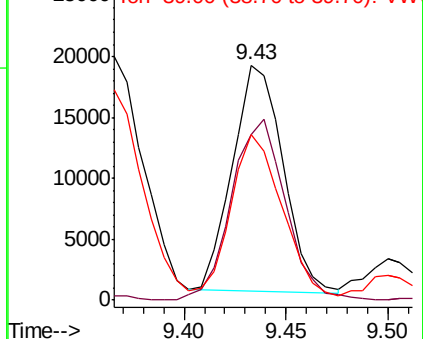
41 100

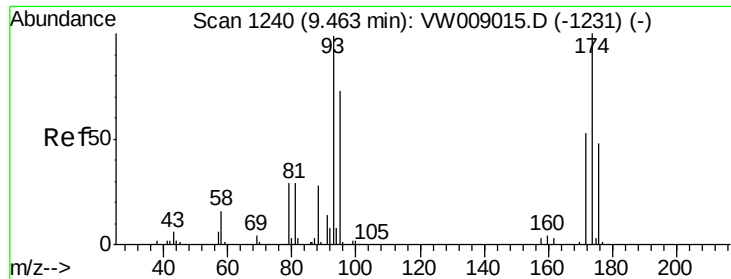
69 84.9 61.8 92.6

39 75.3 50.5 75.7



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





#49

1,4-Dioxane

Concen: 430.183 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

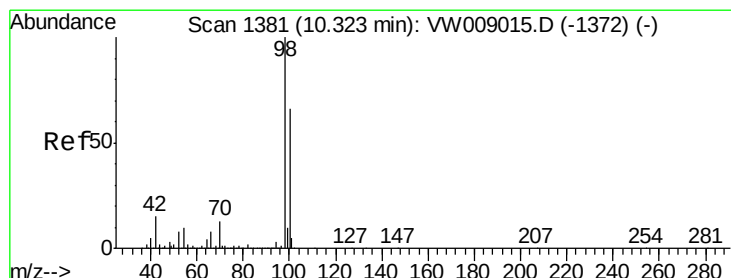
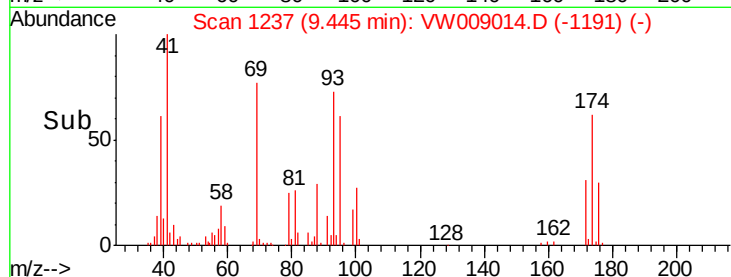
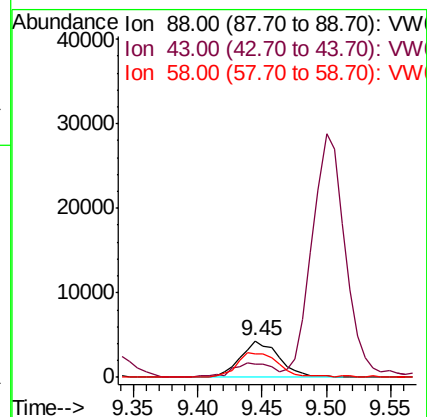
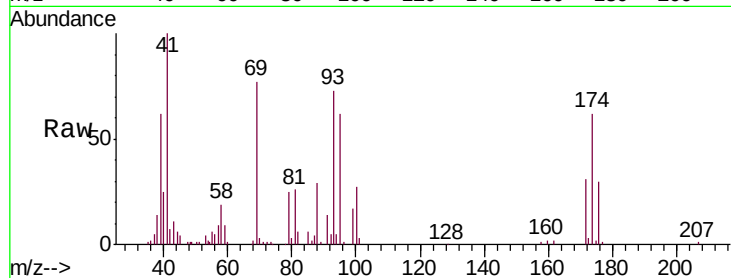
Tgt Ion: 88 Resp: 8994

Ion Ratio Lower Upper

88 100

43 37.1 0.0 0.0#

58 71.7 55.0 82.6



#50

Toluene-d8

Concen: 18.373 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009014.D

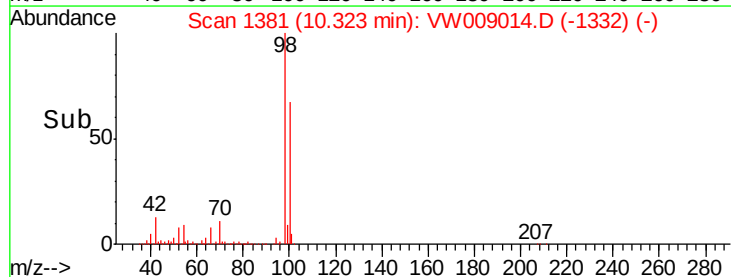
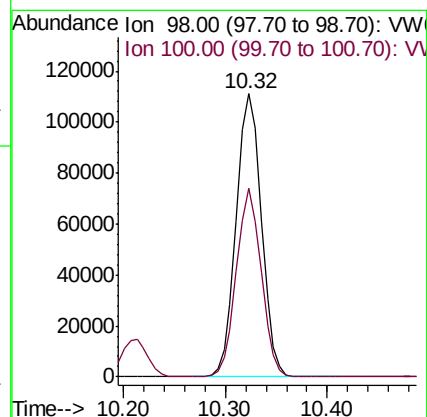
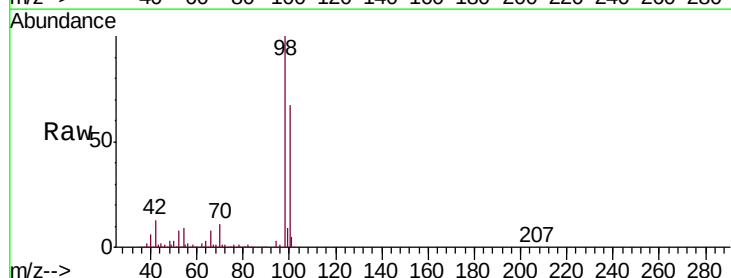
Acq: 06 Mar 2019 11:43

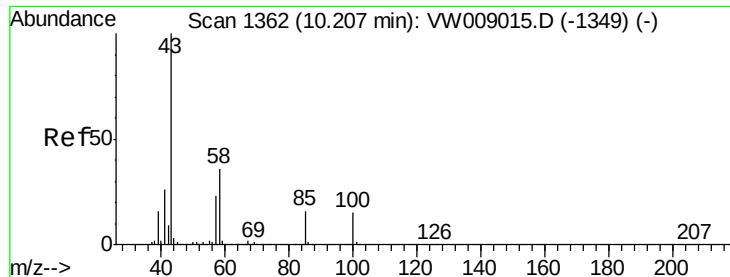
Tgt Ion: 98 Resp: 189511

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3

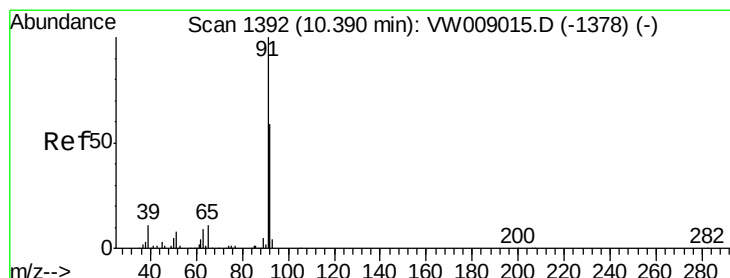
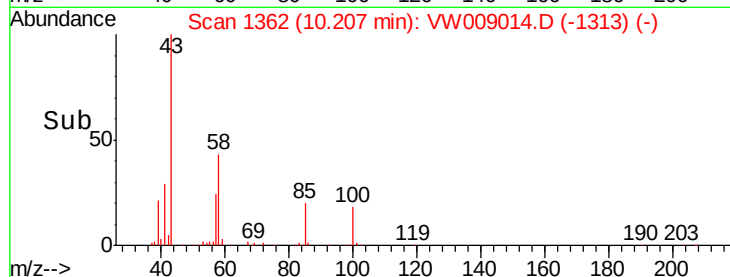
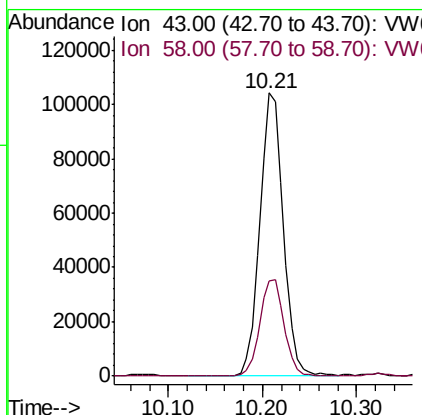
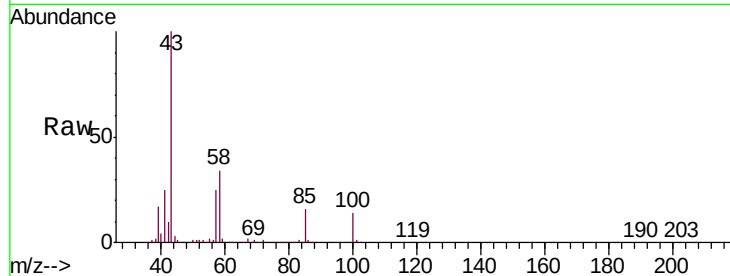




#51
 4-Methyl-2-Pentanone
 Concen: 100.265 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

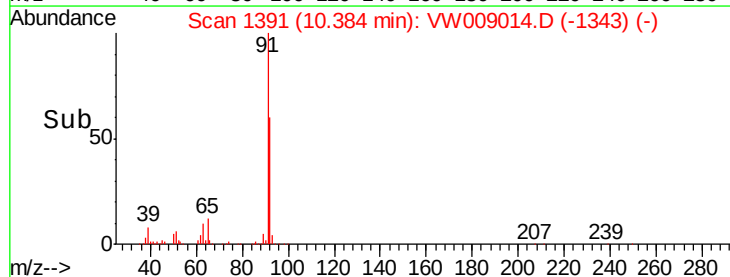
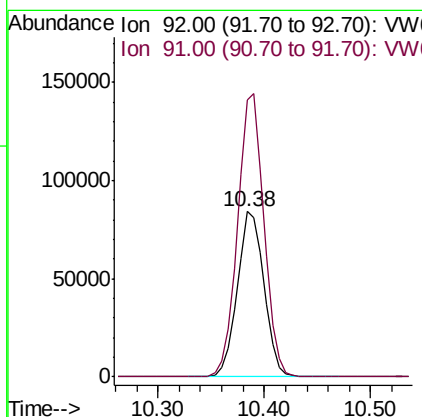
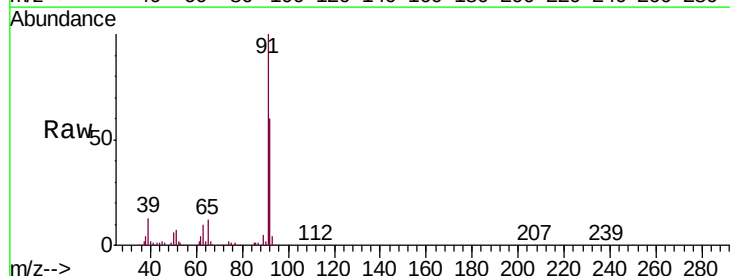
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

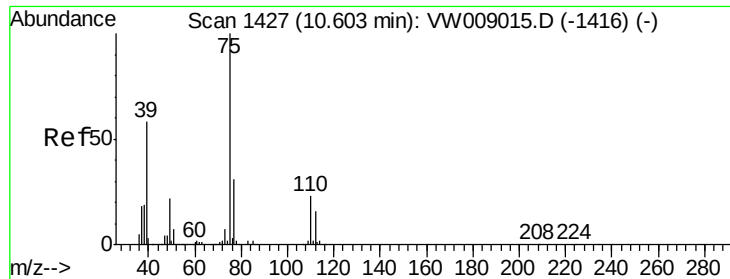
Tgt Ion: 43 Resp: 182777
 Ion Ratio Lower Upper
 43 100
 58 35.3 29.0 43.4



#52
 Toluene
 Concen: 19.574 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion: 92 Resp: 147769
 Ion Ratio Lower Upper
 92 100
 91 170.1 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 19.840 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

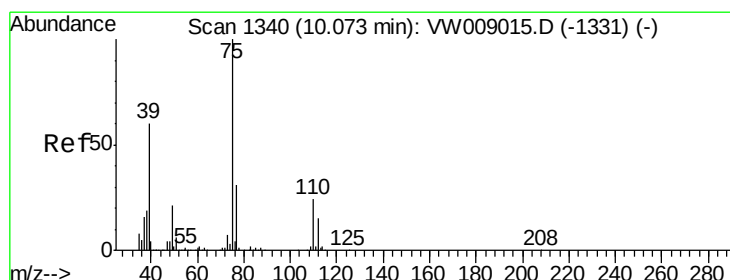
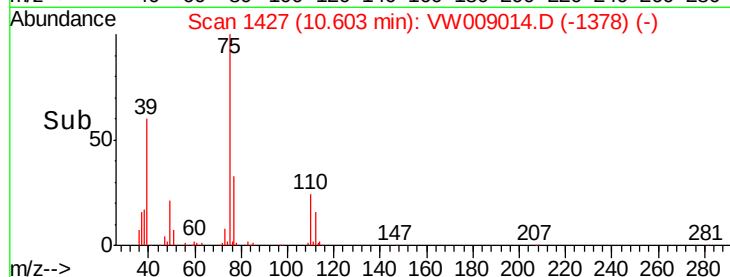
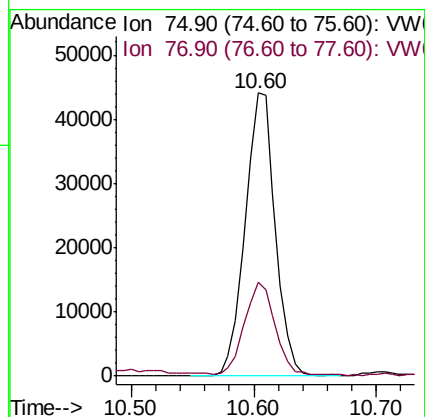
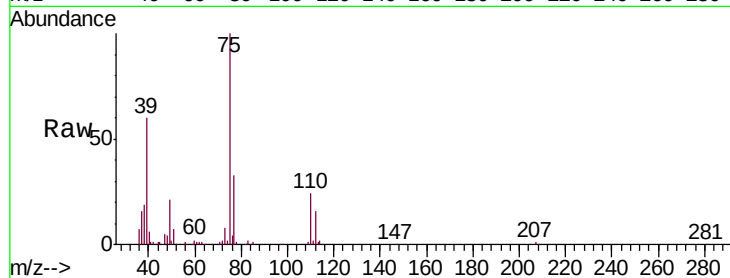
VSTDIC020

Tgt Ion: 75 Resp: 75456

Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 20.697 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

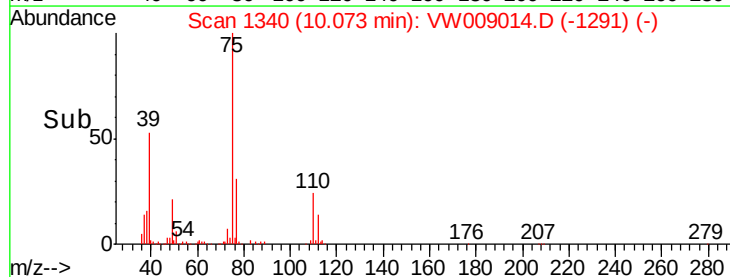
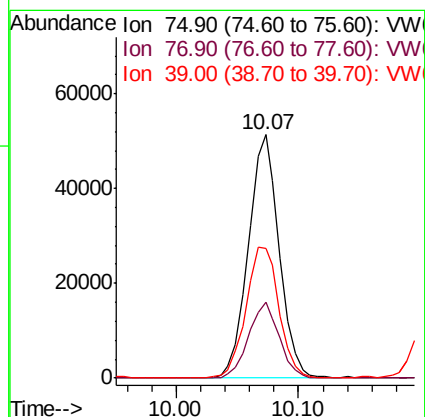
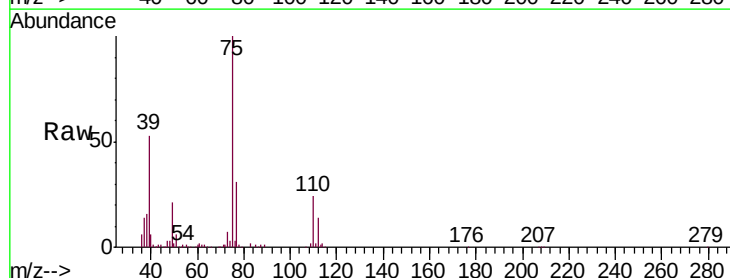
Tgt Ion: 75 Resp: 89859

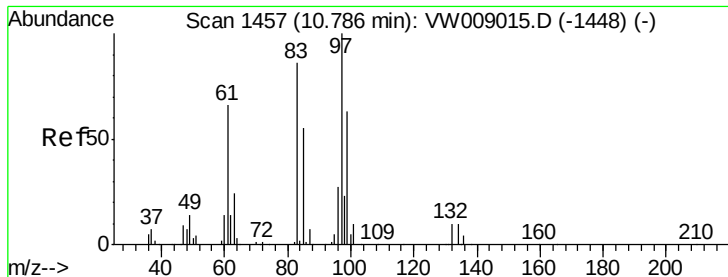
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

39 53.1 48.2 72.2

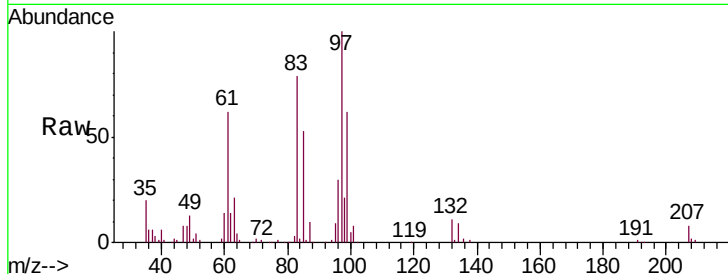




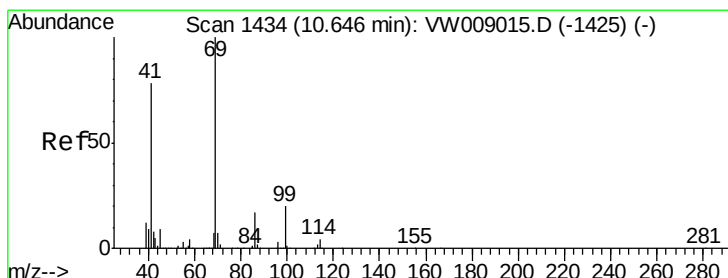
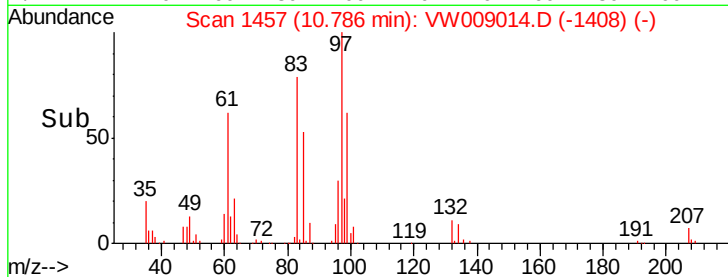
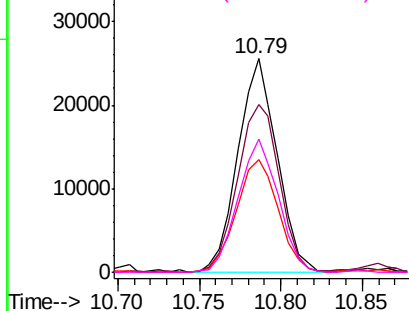
#55
 1,1,2-Trichloroethane
 Concen: 20.604 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	42800
Ion	Ratio	Lower	Upper
97	100		
83	78.6	68.8	103.2
85	52.9	43.7	65.5
99	62.4	50.1	75.1

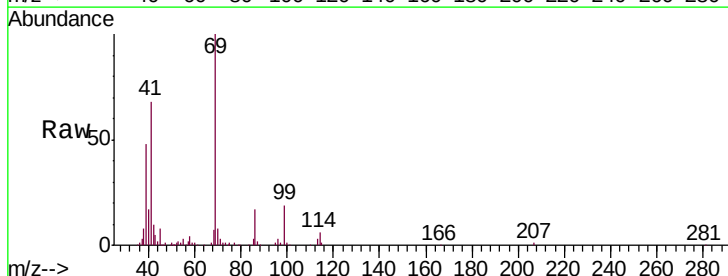


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

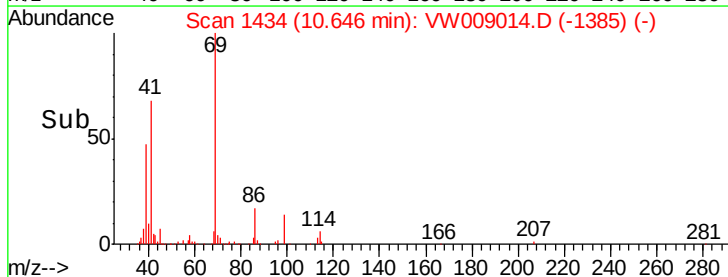
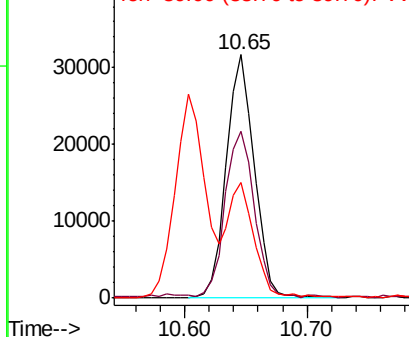


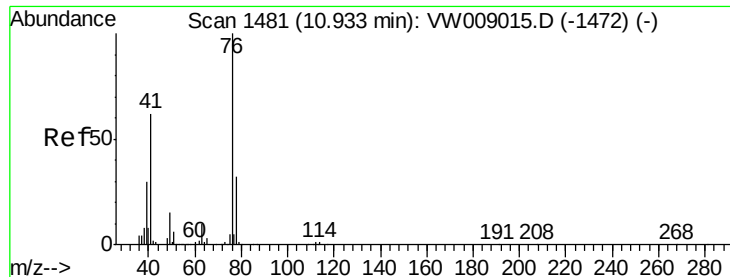
#56
 Ethyl methacrylate
 Concen: 19.504 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion:	69	Resp:	50116
Ion	Ratio	Lower	Upper
69	100		
41	71.1	58.9	88.3
39	44.2	37.6	56.4



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





#57

1,3-Dichloropropane

Concen: 20.548 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

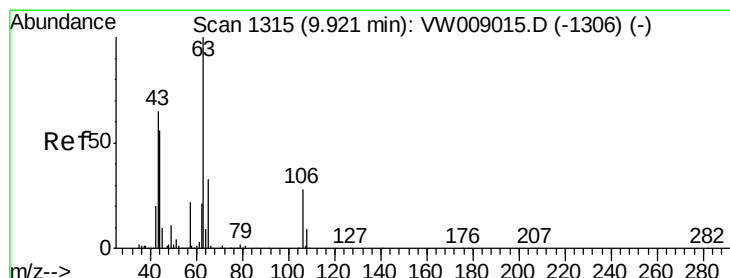
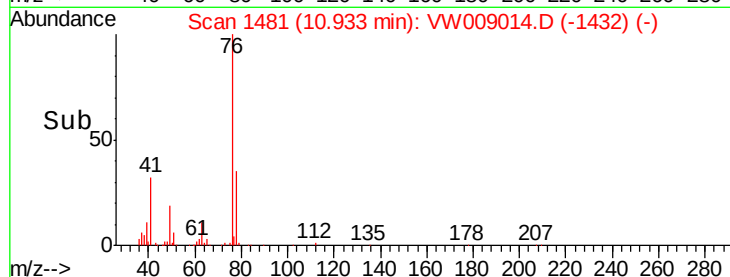
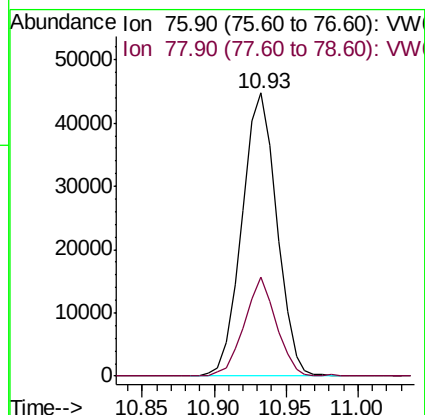
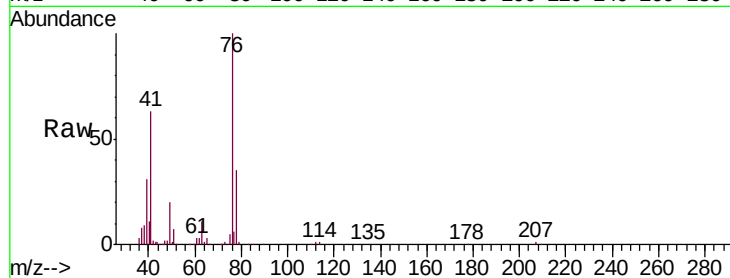
VSTDIC020

Tgt Ion: 76 Resp: 75059

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 99.954 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW009014.D

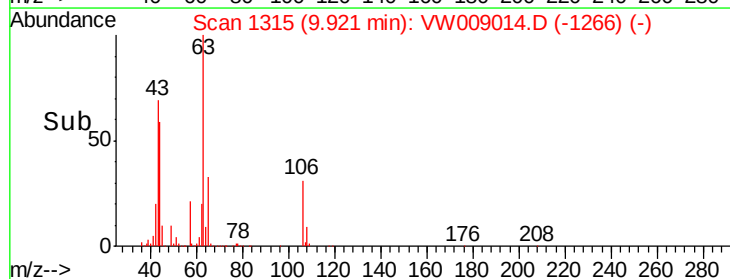
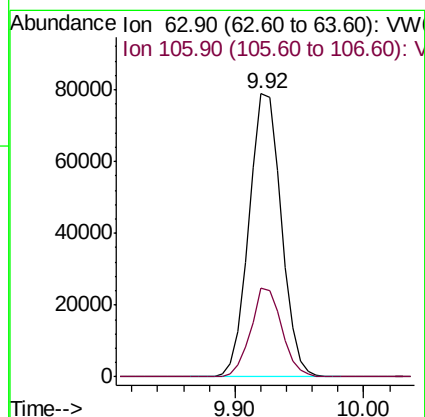
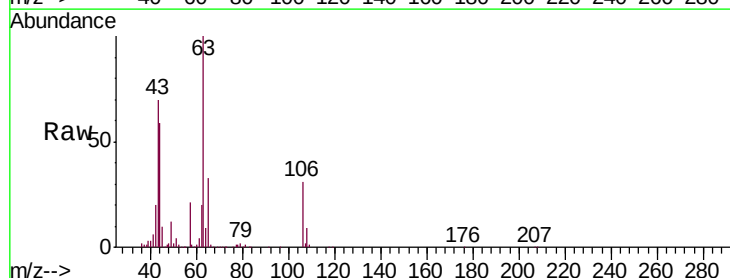
Acq: 06 Mar 2019 11:43

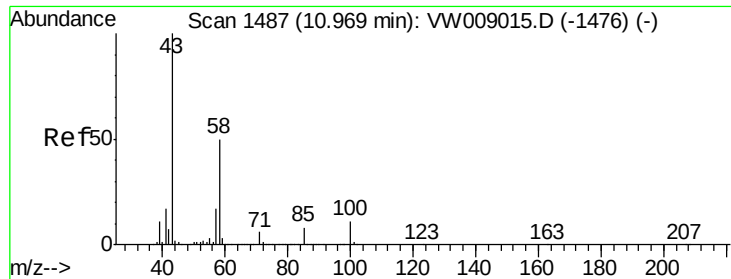
Tgt Ion: 63 Resp: 136280

Ion Ratio Lower Upper

63 100

106 30.2 23.0 34.6

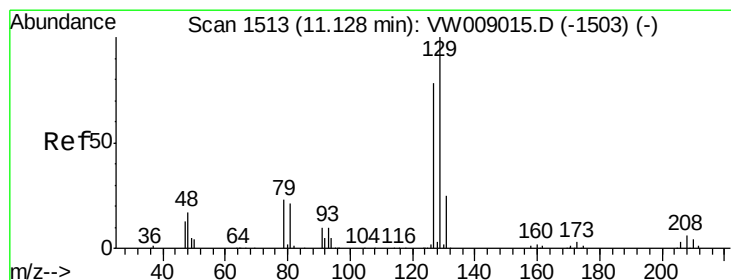
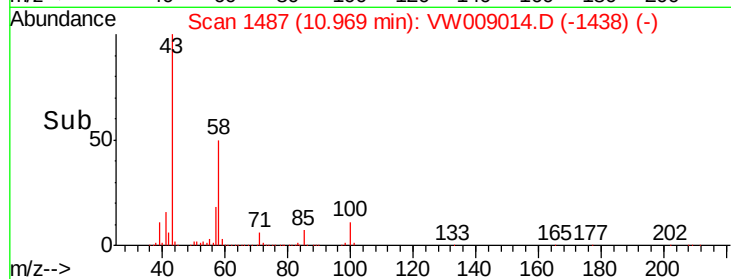
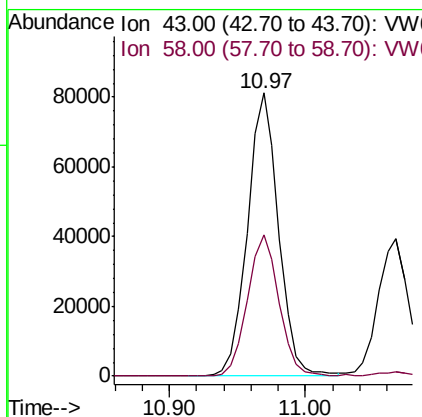
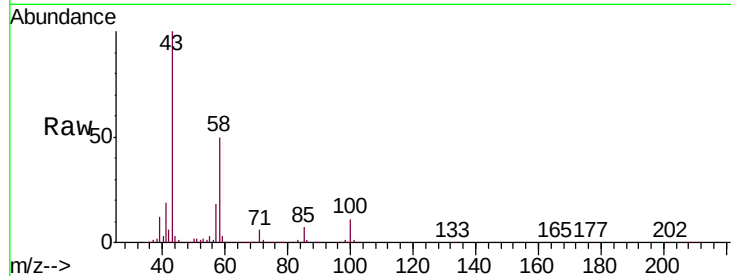




#59
2-Hexanone
Concen: 101.033 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

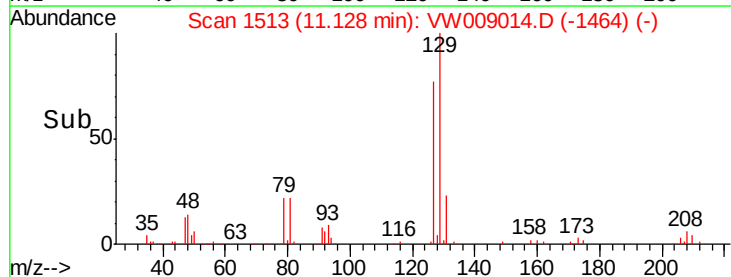
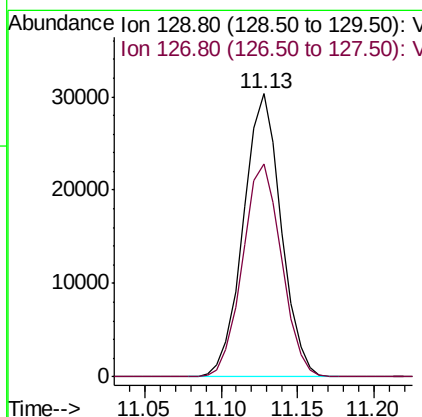
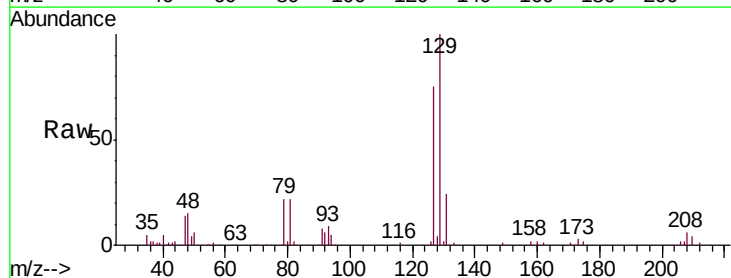
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

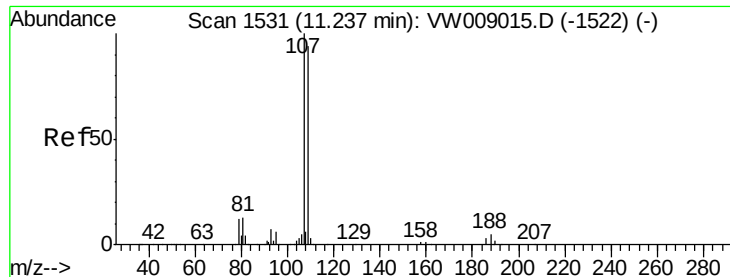
Tgt Ion: 43 Resp: 129476
Ion Ratio Lower Upper
43 100
58 50.8 25.3 75.8



#60
Dibromochloromethane
Concen: 20.656 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion: 129 Resp: 52116
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9

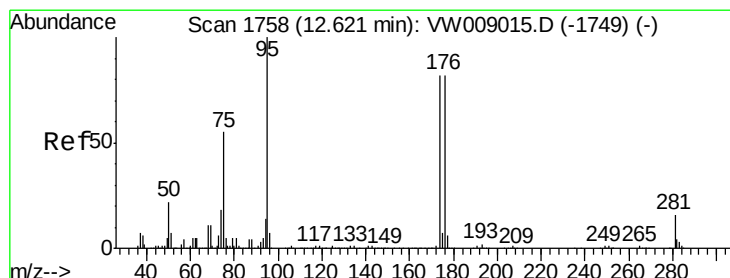
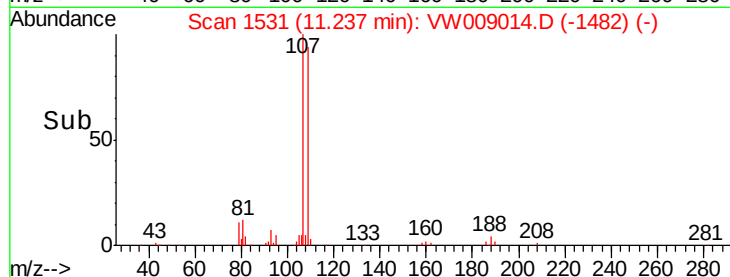
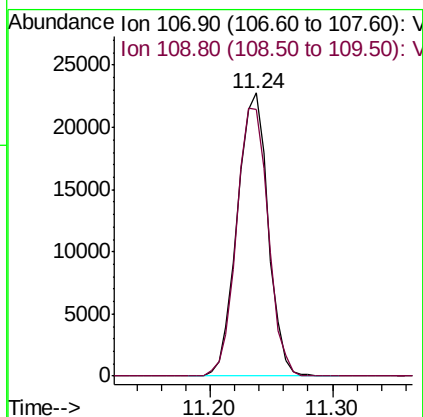
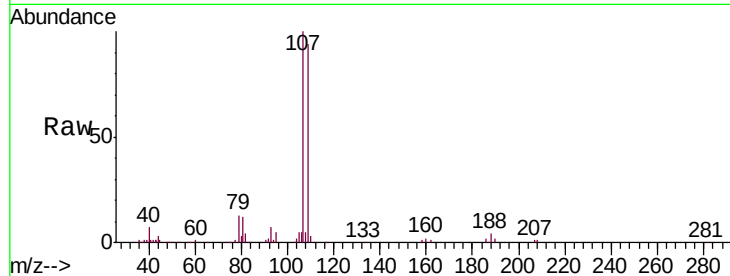




#61
 1,2-Dibromoethane
 Concen: 20.257 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

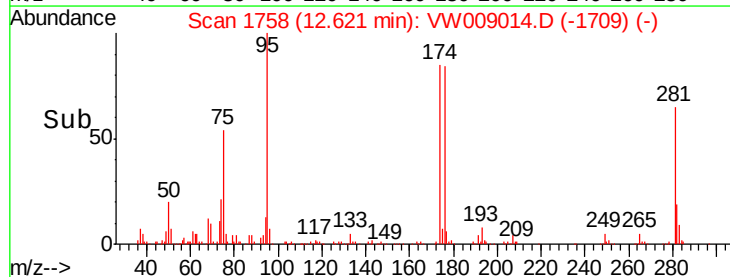
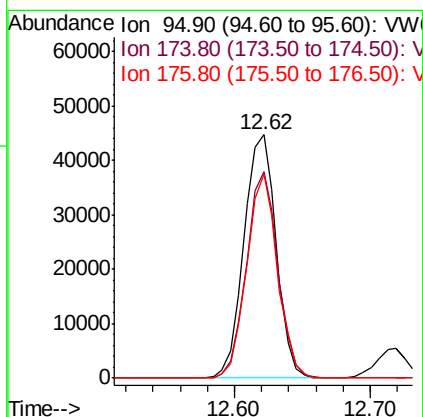
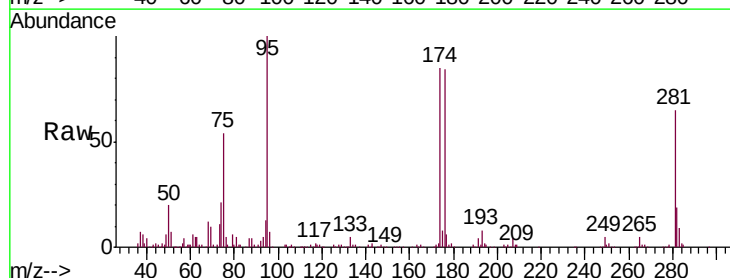
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

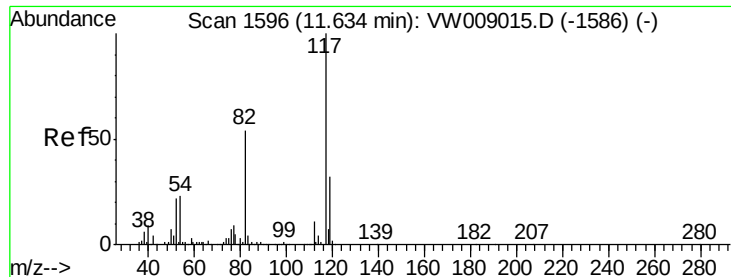
Tgt Ion: 107 Resp: 39884
 Ion Ratio Lower Upper
 107 100
 109 97.2 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 18.569 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion: 95 Resp: 73972
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 165.8
 176 80.2 0.0 159.8

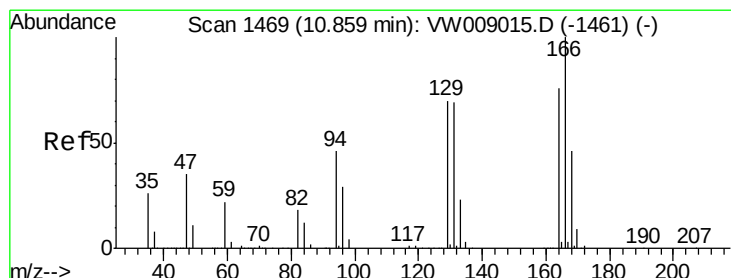
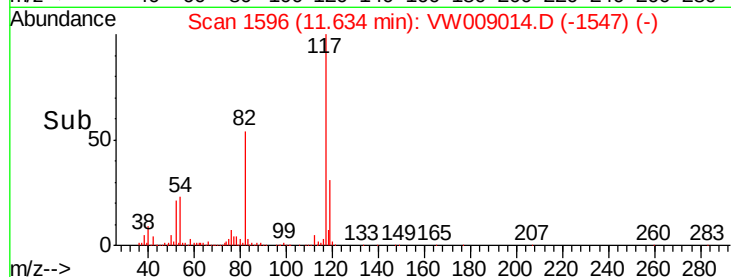
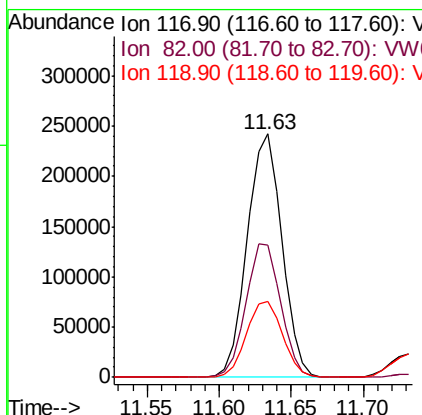
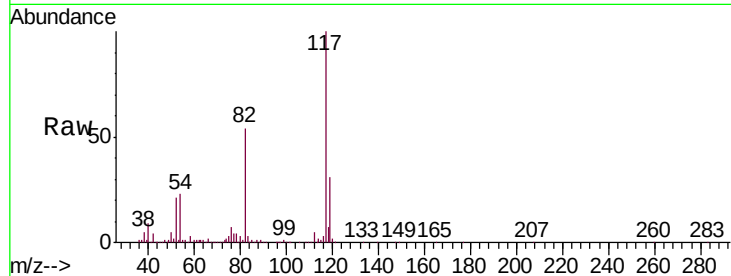




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

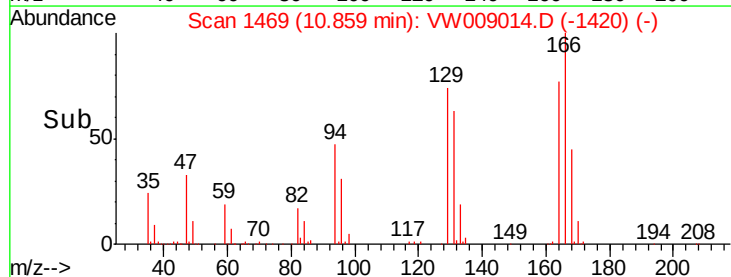
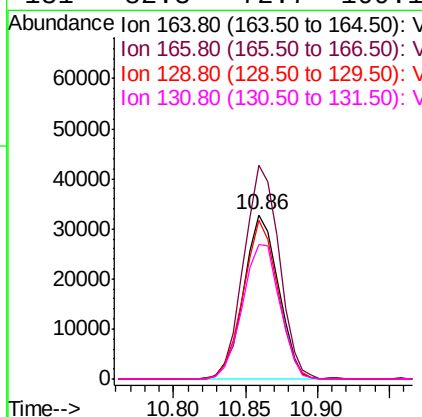
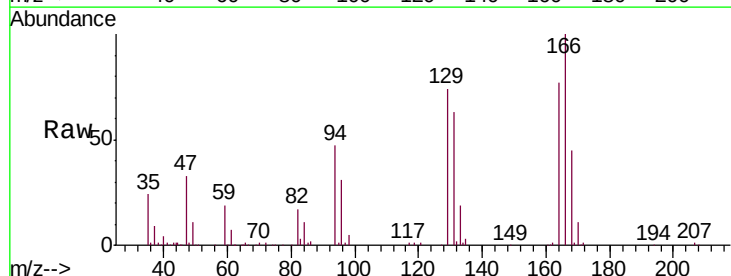
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

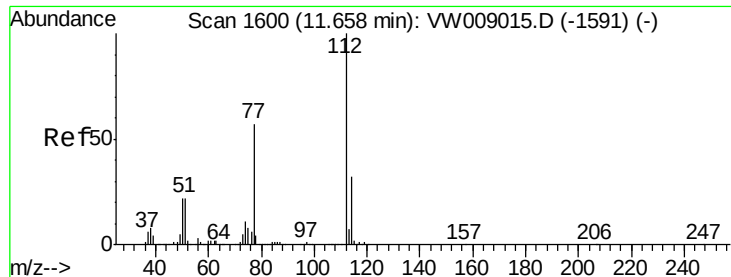
Tgt Ion:117 Resp: 403289
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.2
119 30.9 25.8 38.8



#64
Tetrachloroethene
Concen: 19.689 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion:164 Resp: 54824
Ion Ratio Lower Upper
164 100
166 130.3 104.6 157.0
129 96.9 73.4 110.2
131 82.3 72.7 109.1

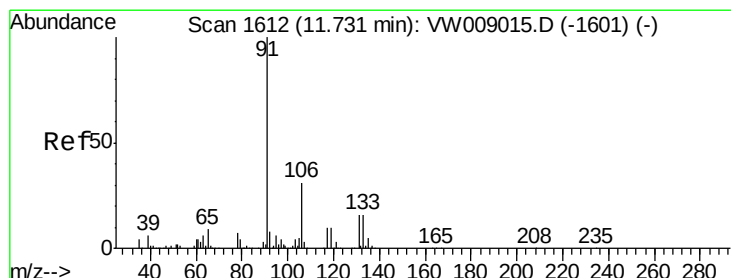
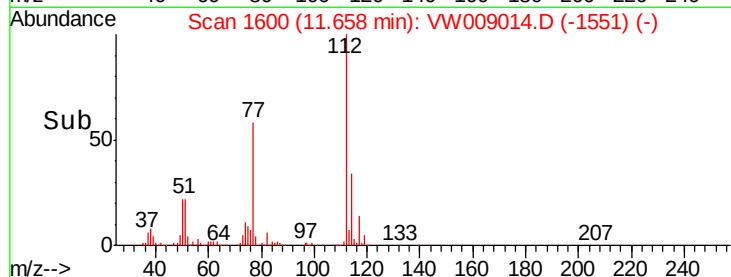
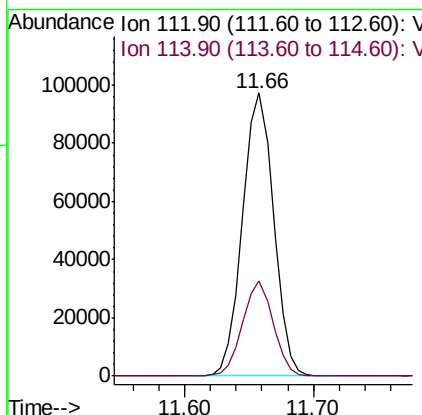
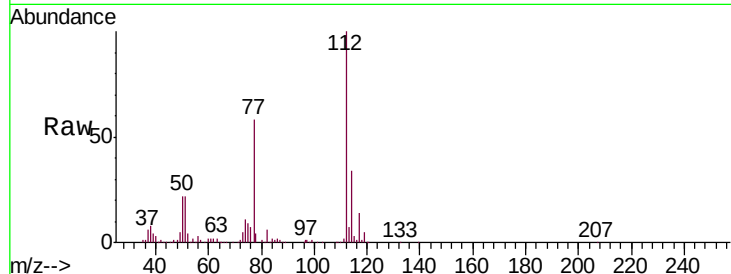




#65
Chlorobenzene
Concen: 19.419 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

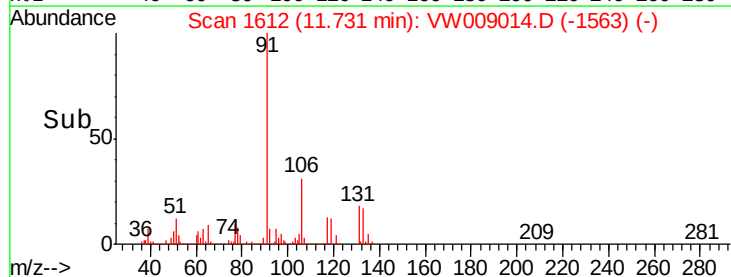
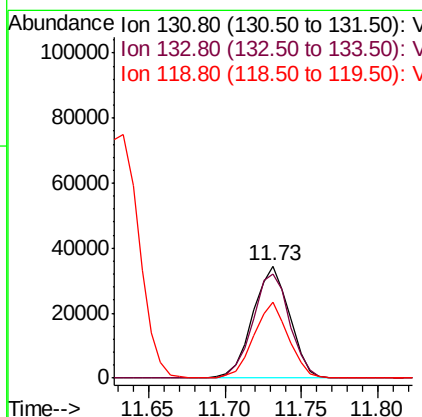
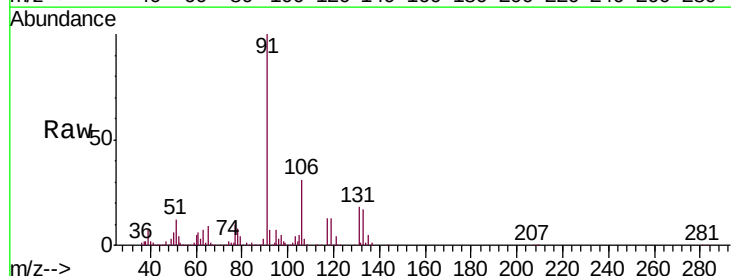
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

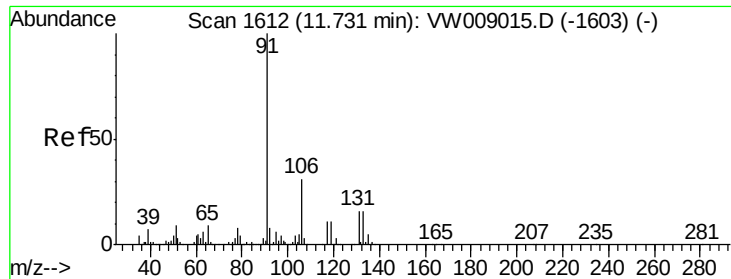
Tgt Ion:112 Resp: 162552
Ion Ratio Lower Upper
112 100
114 33.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.395 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion:131 Resp: 57335
Ion Ratio Lower Upper
131 100
133 94.6 48.1 144.3
119 64.7 31.1 93.5

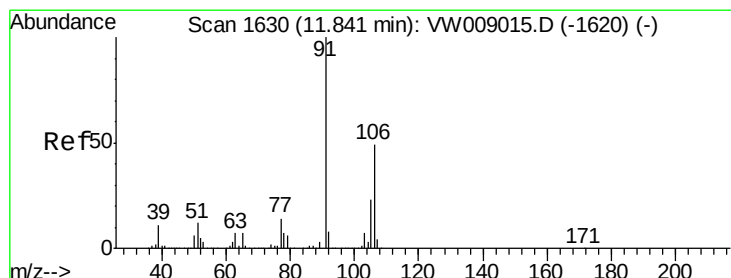
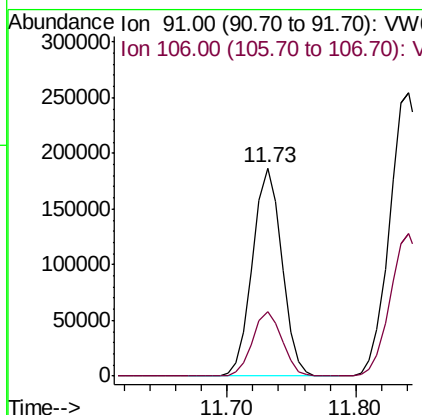
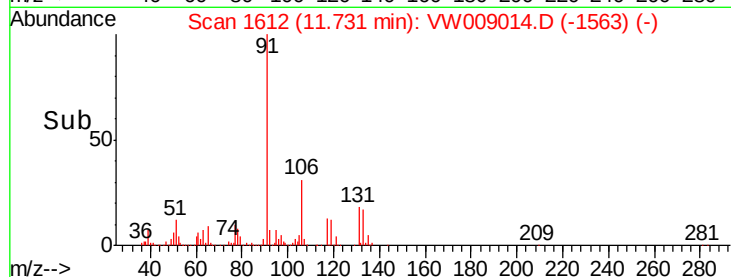
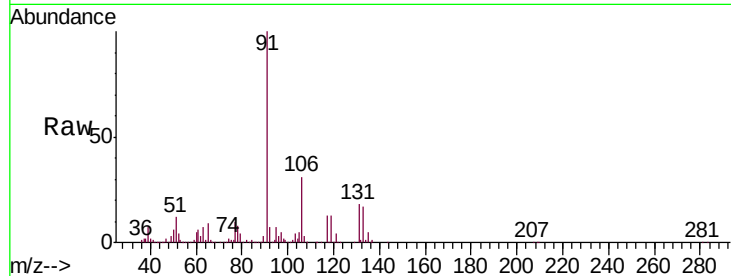




#67
Ethyl Benzene
Concen: 19.322 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

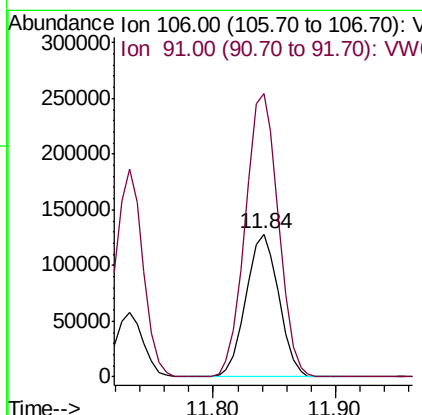
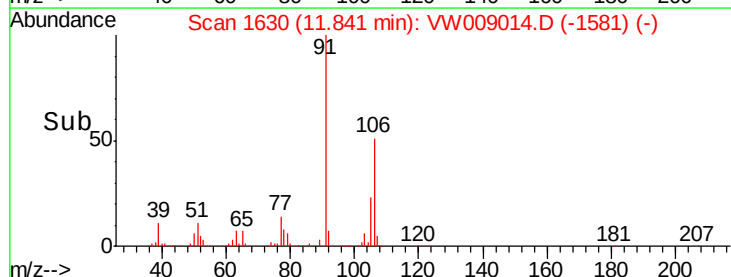
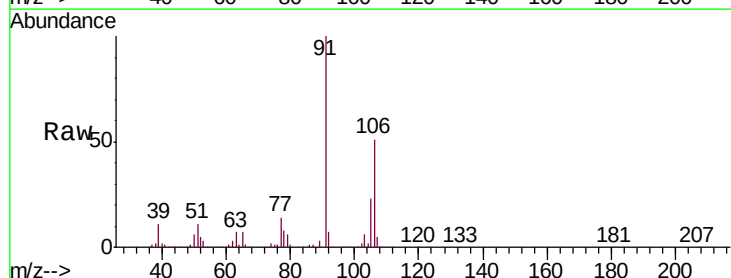
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

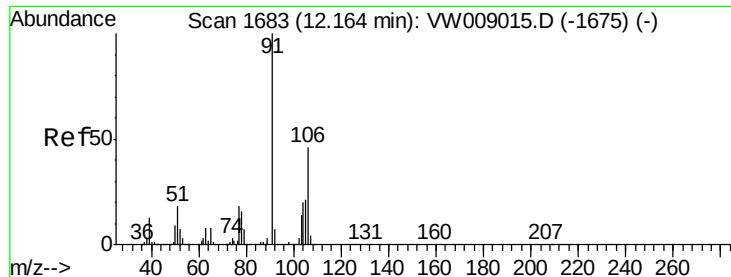
Tgt Ion: 91 Resp: 293255
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8



#68
m/p-Xylenes
Concen: 39.953 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion: 106 Resp: 239267
Ion Ratio Lower Upper
106 100
91 200.3 162.9 244.3

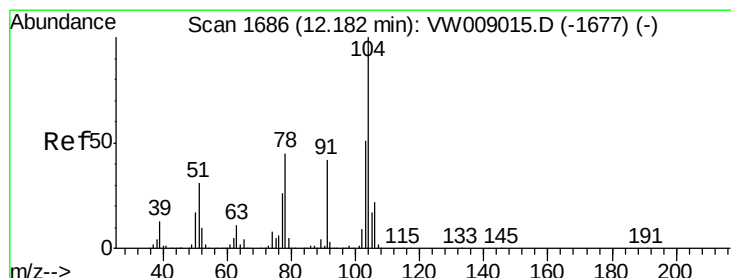
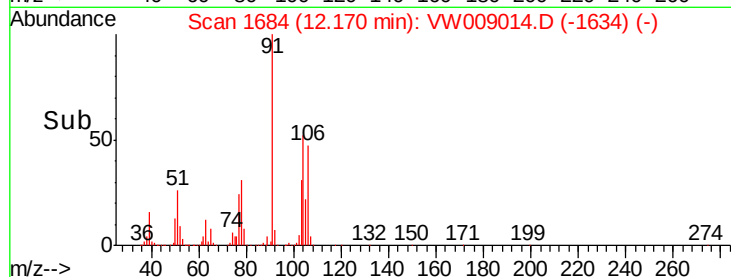
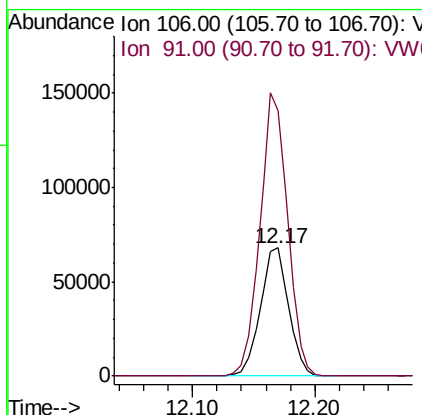
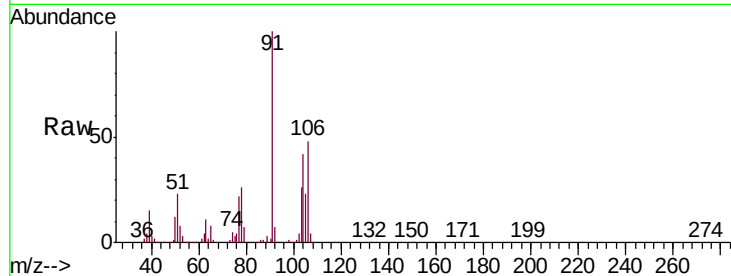




#69
o-Xylene
Concen: 19.605 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

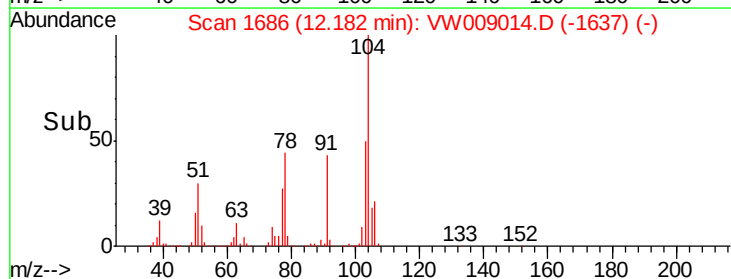
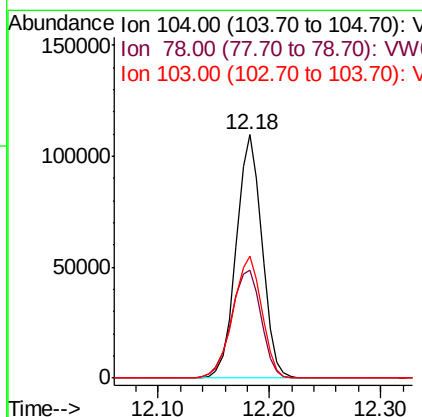
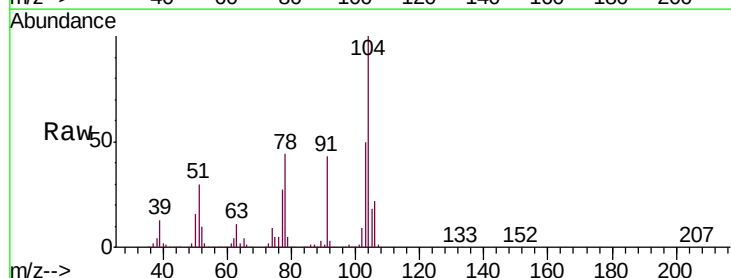
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

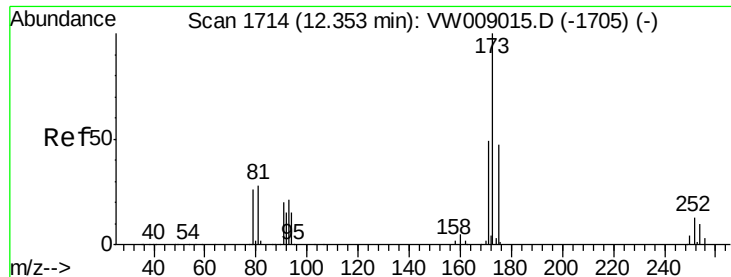
Tgt Ion:106 Resp: 109606
Ion Ratio Lower Upper
106 100
91 216.0 107.4 322.2



#70
Styrene
Concen: 19.363 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion:104 Resp: 175364
Ion Ratio Lower Upper
104 100
78 51.7 41.9 62.9
103 56.1 44.9 67.3





#71

Bromoform

Concen: 19.685 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

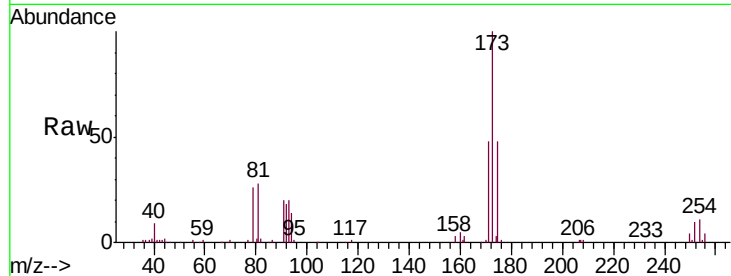
Tgt Ion:173 Resp: 29485

Ion Ratio Lower Upper

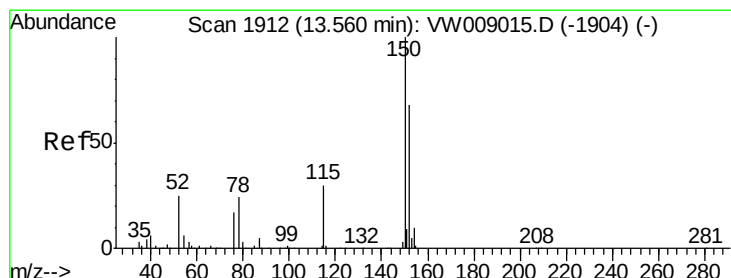
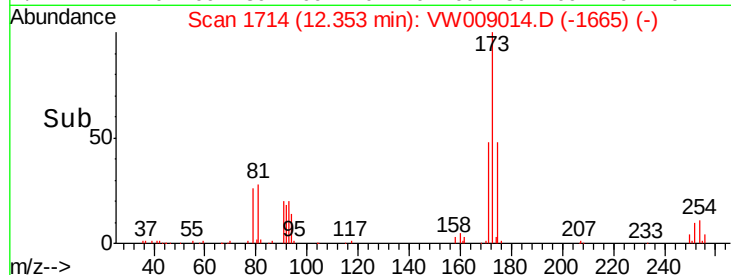
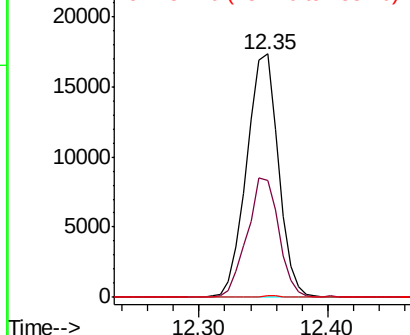
173 100

175 48.8 23.3 69.9

254 0.3 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

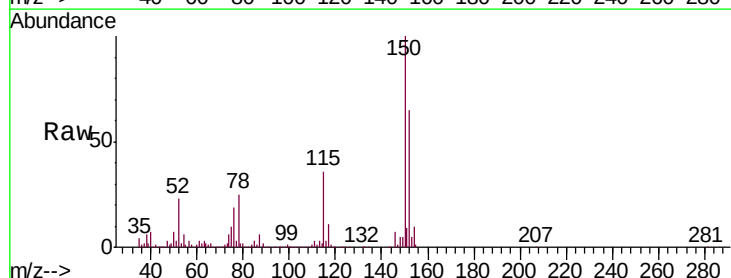
Tgt Ion:152 Resp: 228515

Ion Ratio Lower Upper

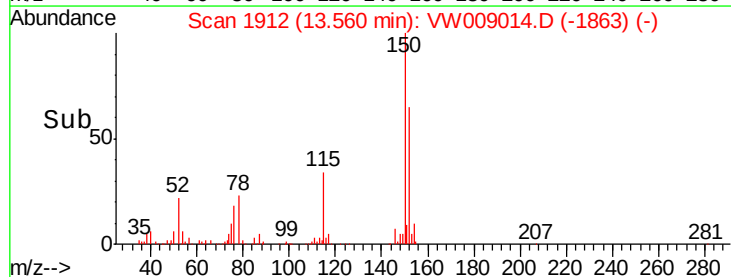
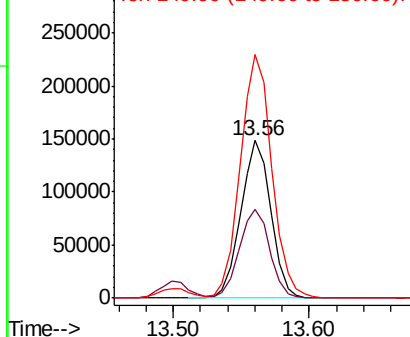
152 100

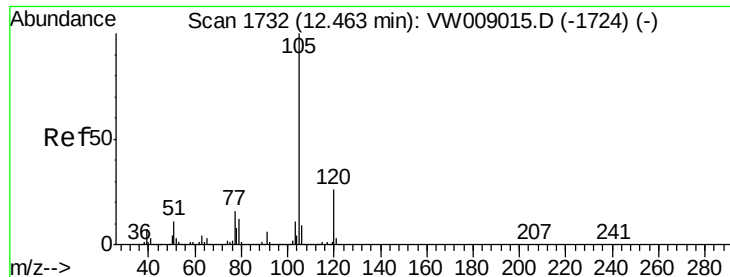
115 56.9 29.3 87.8

150 162.2 0.0 348.6



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





#73

Isopropylbenzene

Concen: 19.078 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

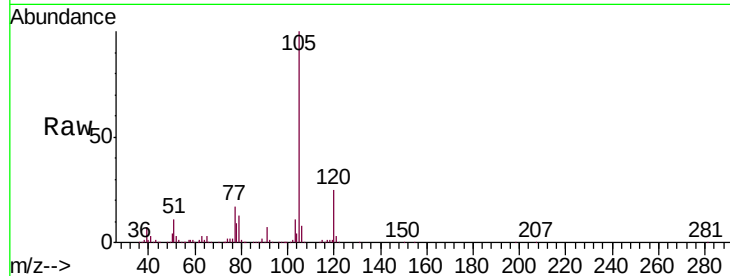
VSTDIC020

Tgt Ion: 105 Resp: 298407

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

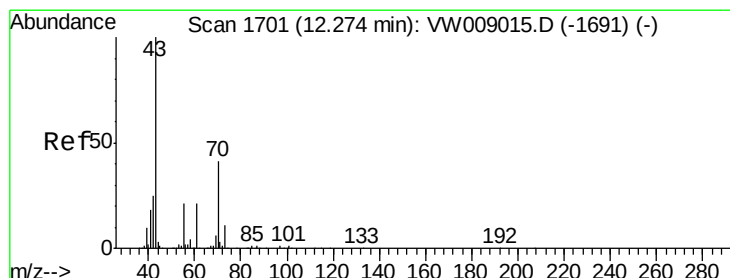
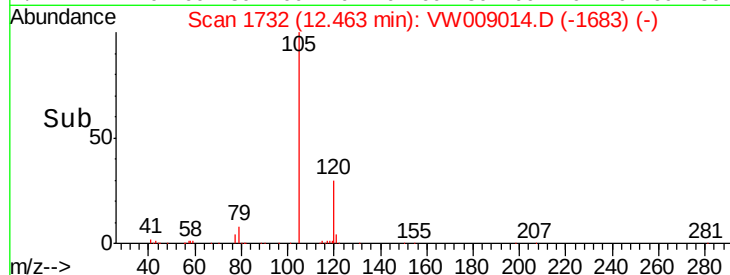
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.934 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Tgt Ion: 43 Resp: 70507

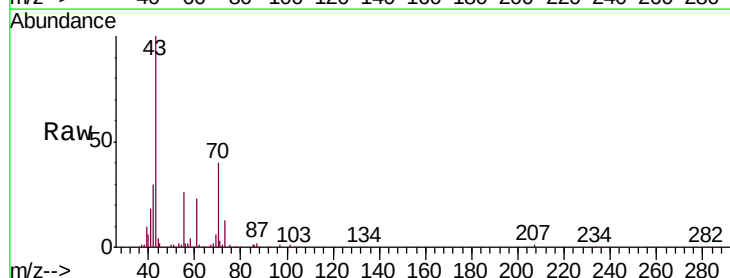
Ion Ratio Lower Upper

43 100

70 40.2 31.2 46.8

55 24.5 18.0 27.0

61 23.7 17.3 25.9



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

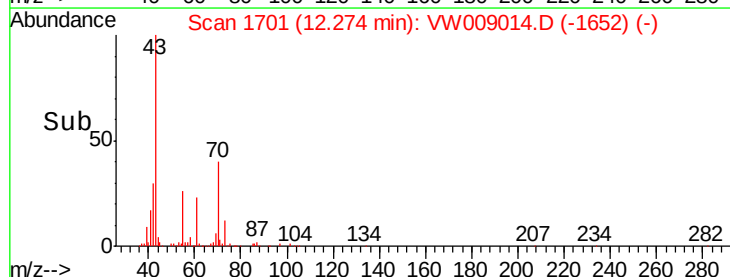
60000

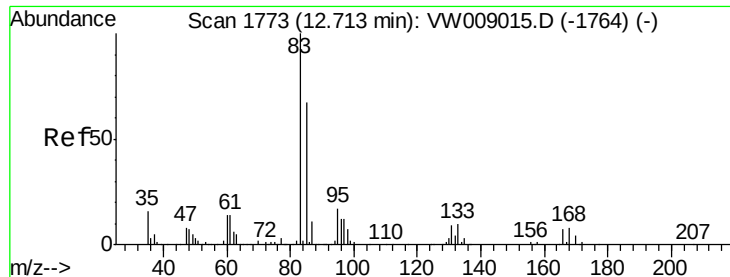
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.705 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

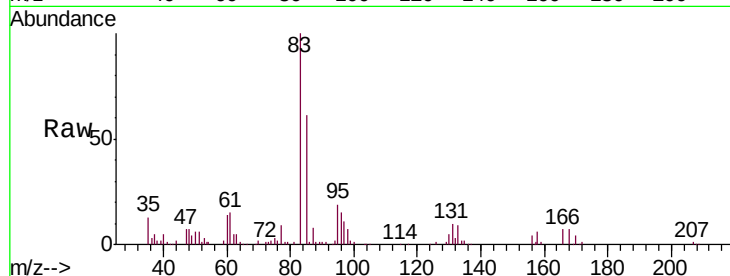
Tgt Ion: 83 Resp: 48074

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.7

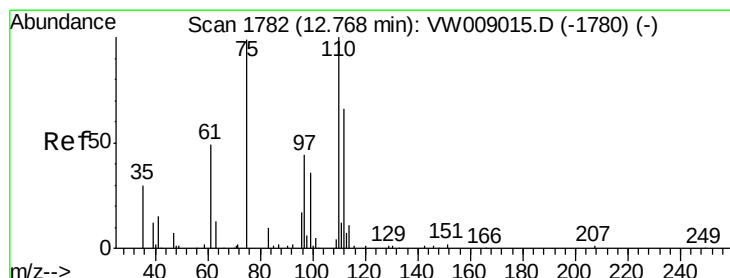
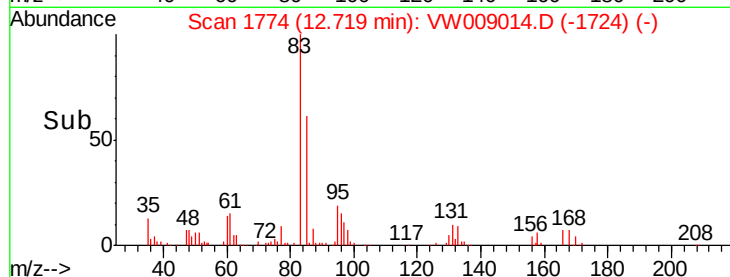
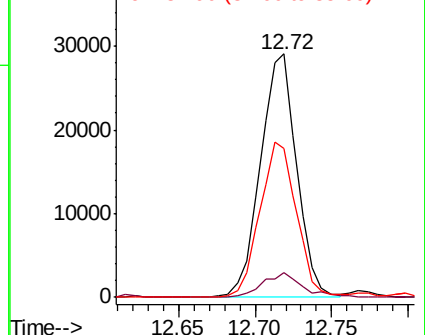
85 64.4 32.8 98.3



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: 27.033 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009014.D

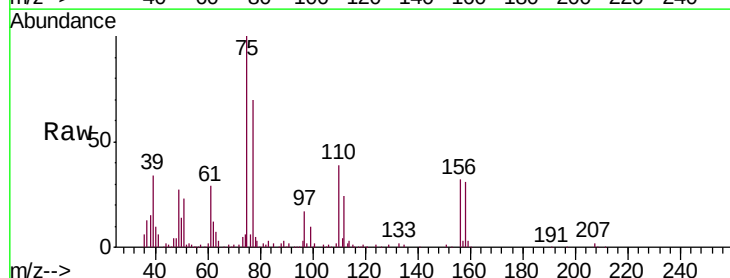
Acq: 06 Mar 2019 11:43

Tgt Ion: 75 Resp: 66764

Ion Ratio Lower Upper

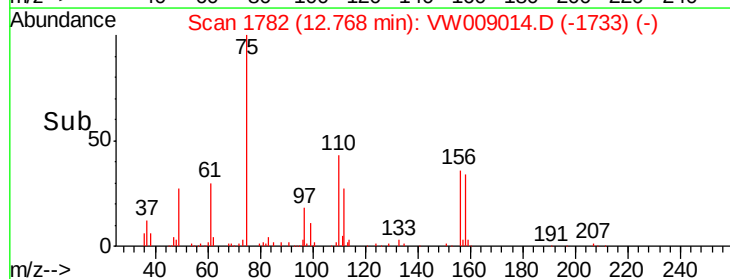
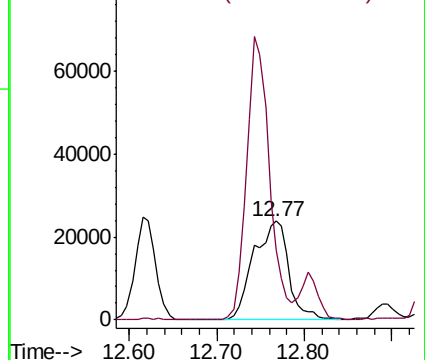
75 100

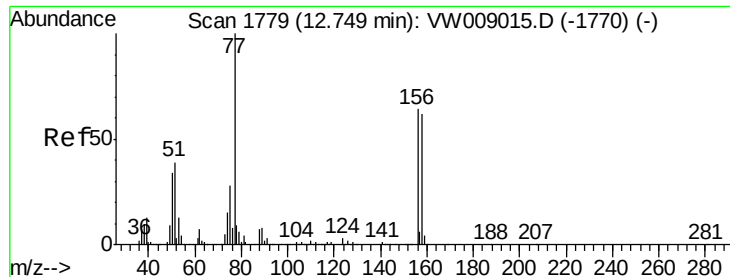
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.337 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

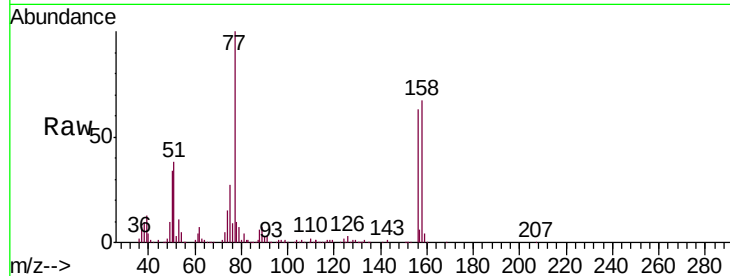
Tgt Ion:156 Resp: 68472

Ion Ratio Lower Upper

156 100

77 181.2 91.6 274.9

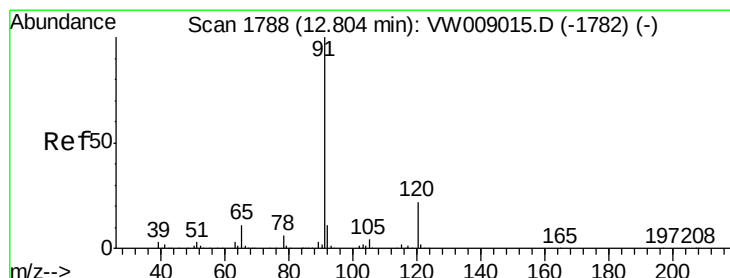
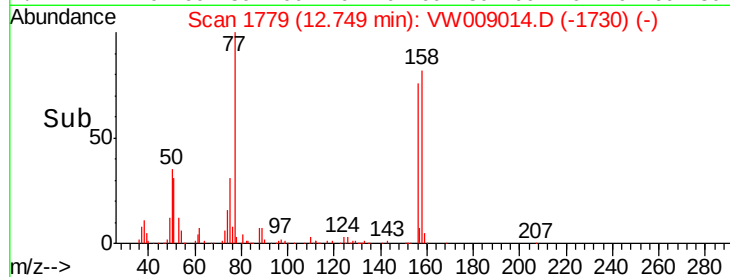
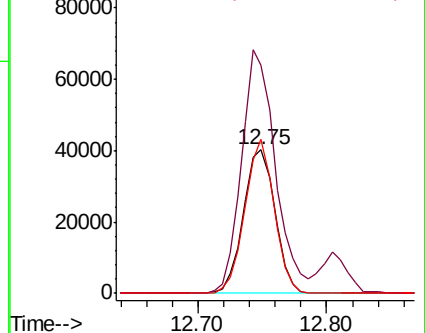
158 99.2 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.540 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009014.D

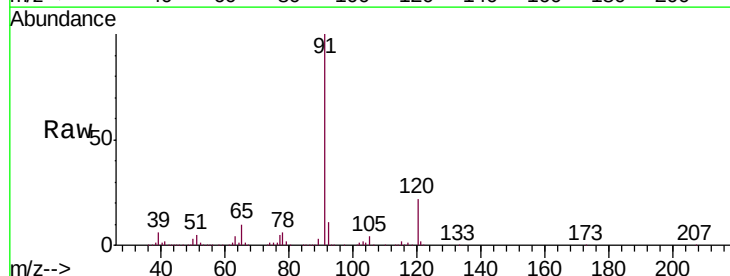
Acq: 06 Mar 2019 11:43

Tgt Ion: 91 Resp: 375220

Ion Ratio Lower Upper

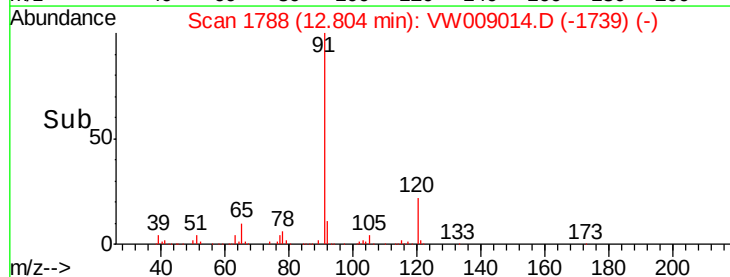
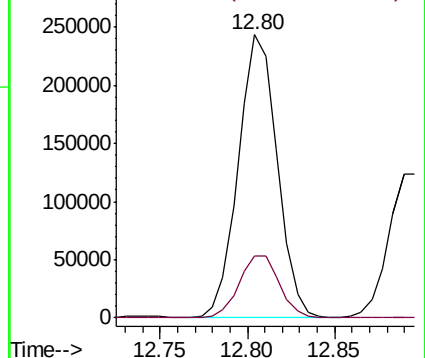
91 100

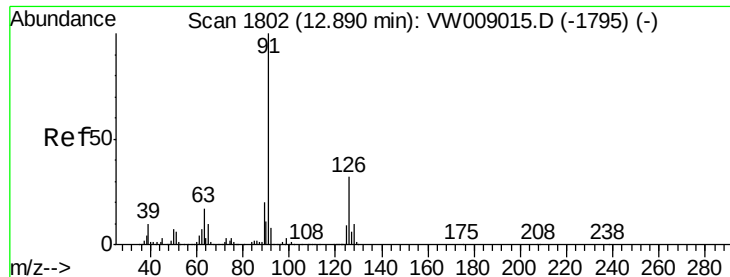
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.316 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

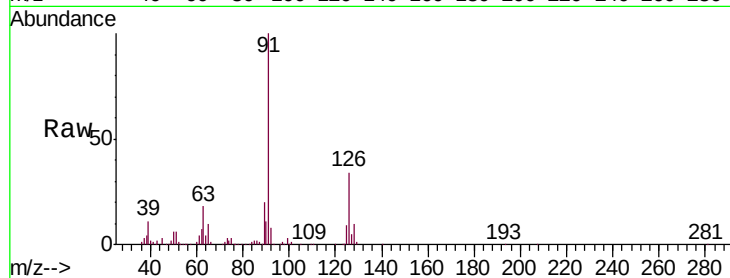
VSTDIC020

Tgt Ion: 91 Resp: 209429

Ion Ratio Lower Upper

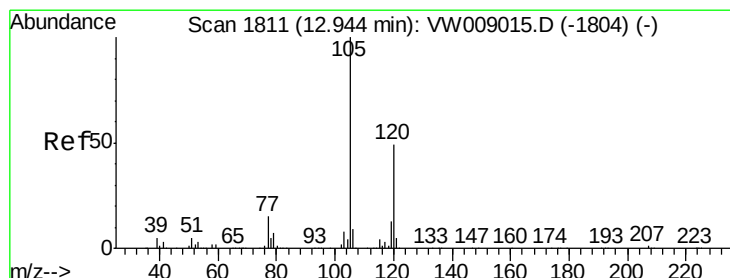
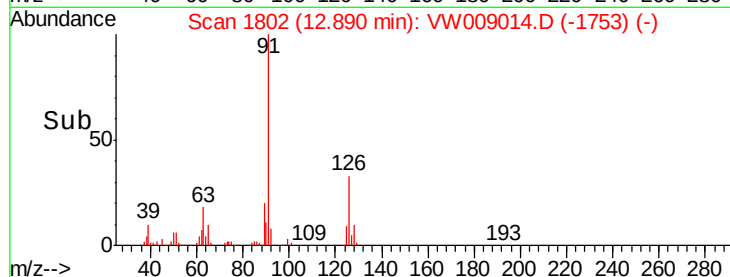
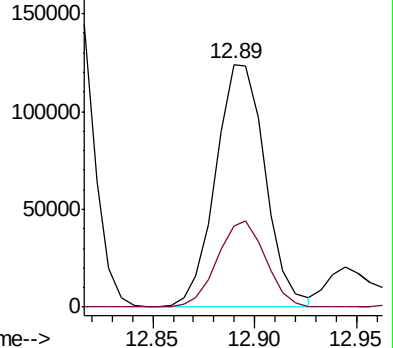
91 100

126 34.9 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.803 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009014.D

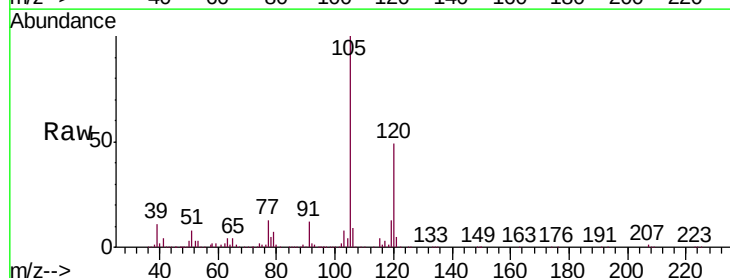
Acq: 06 Mar 2019 11:43

Tgt Ion: 105 Resp: 265825

Ion Ratio Lower Upper

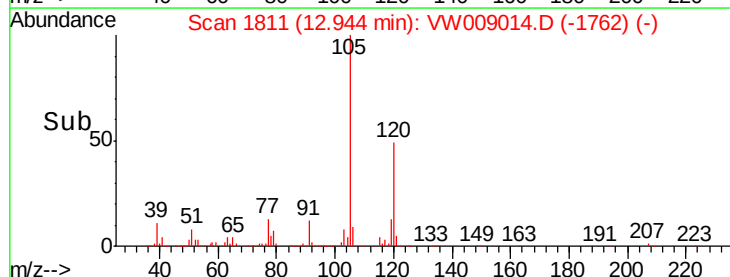
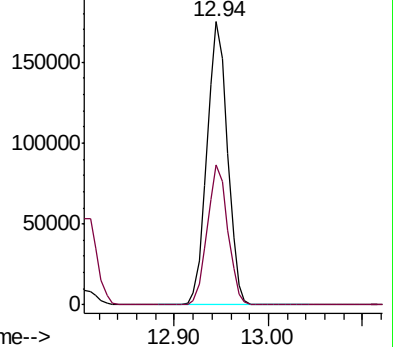
105 100

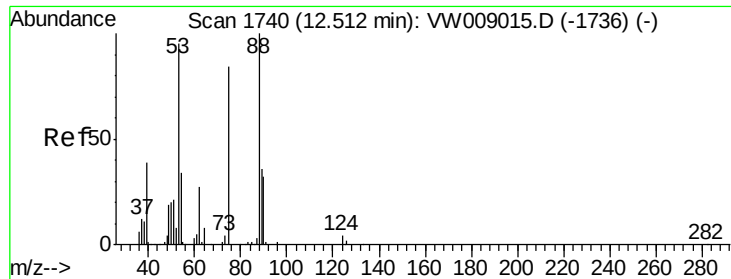
120 49.1 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.551 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

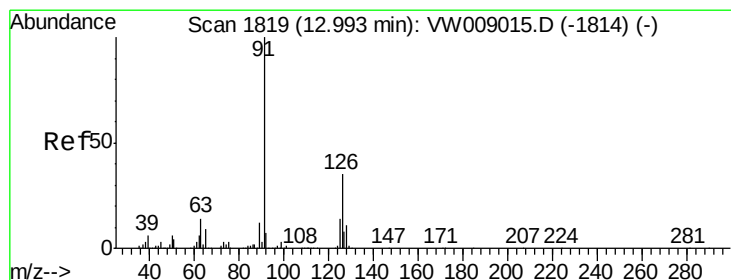
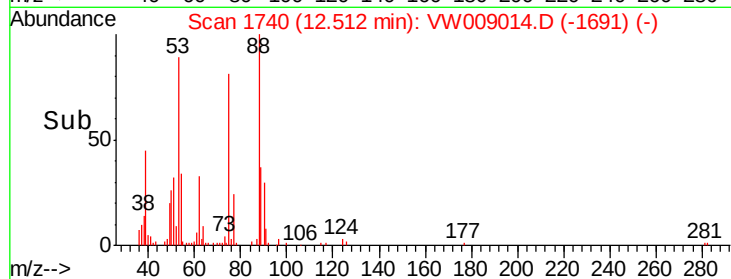
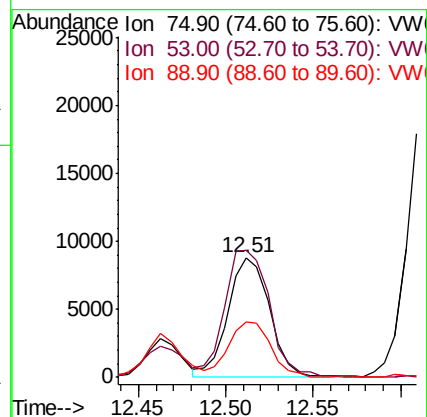
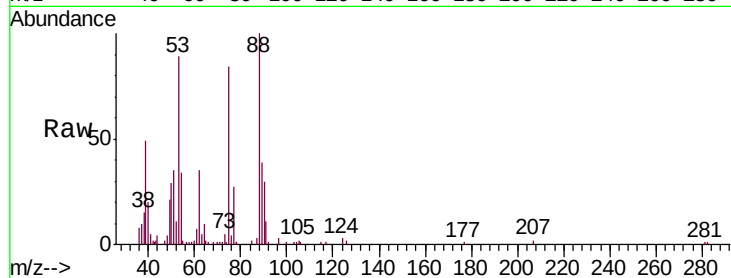
Tgt Ion: 75 Resp: 14609

Ion Ratio Lower Upper

75 100

53 115.2 88.5 132.7

89 46.8 36.3 54.5



#82

4-Chlorotoluene

Concen: 19.269 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW009014.D

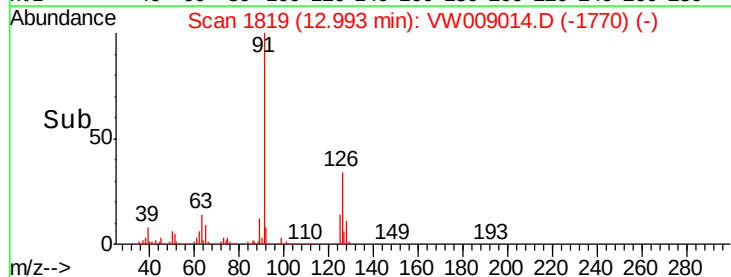
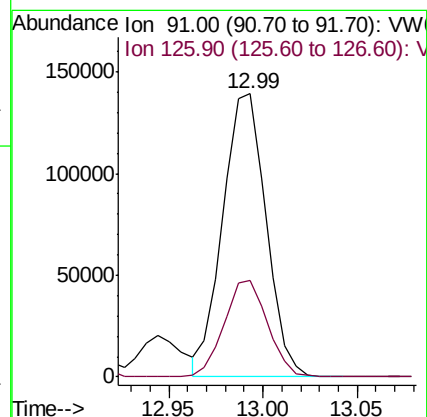
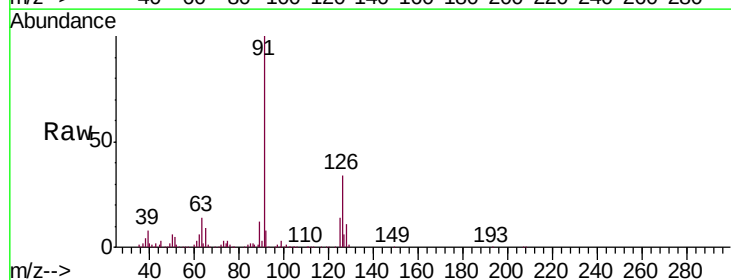
Acq: 06 Mar 2019 11:43

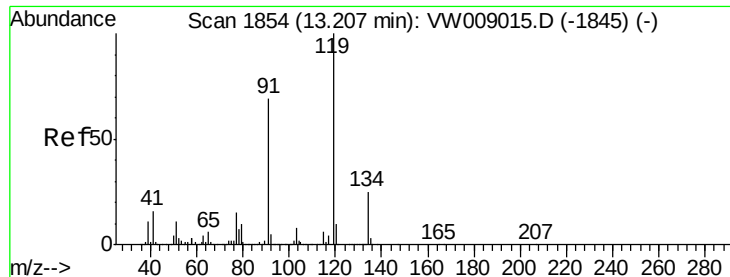
Tgt Ion: 91 Resp: 222234

Ion Ratio Lower Upper

91 100

126 34.3 16.9 50.6

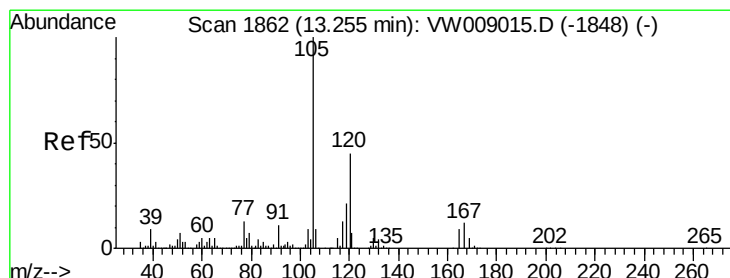
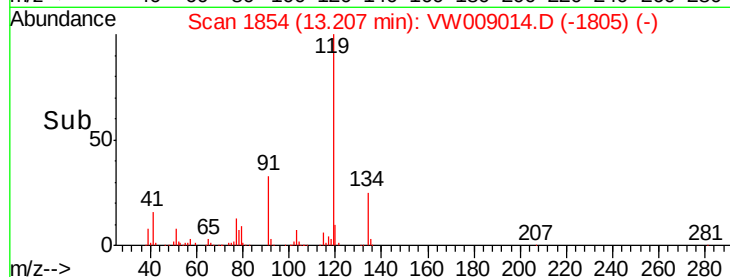
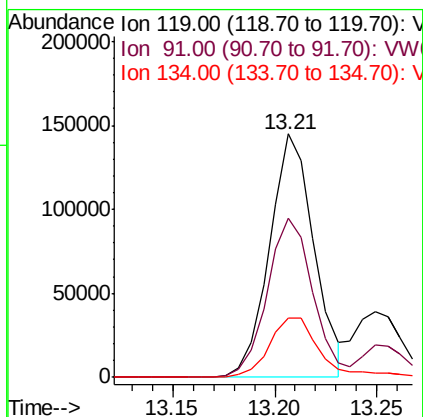
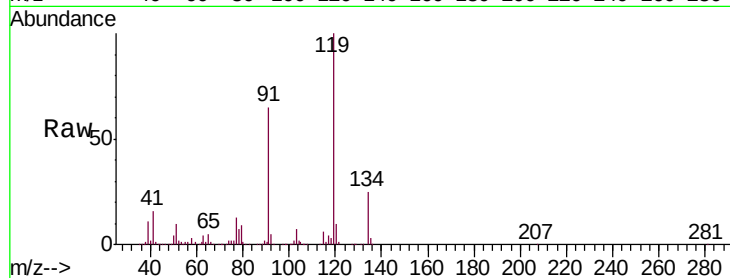




#83
 tert-Butylbenzene
 Concen: 19.060 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

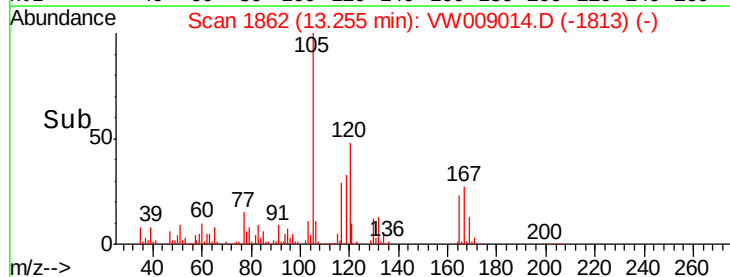
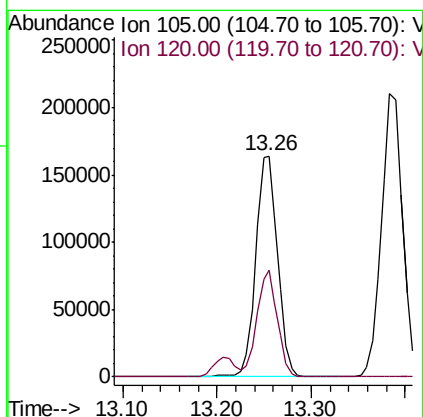
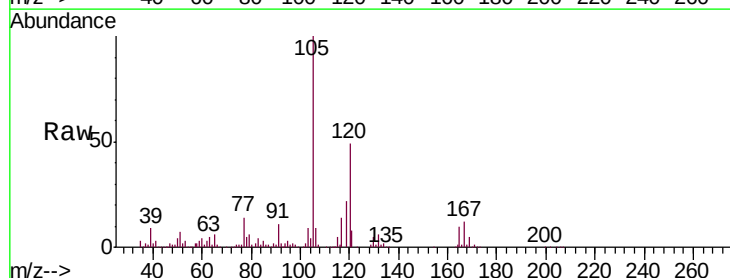
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

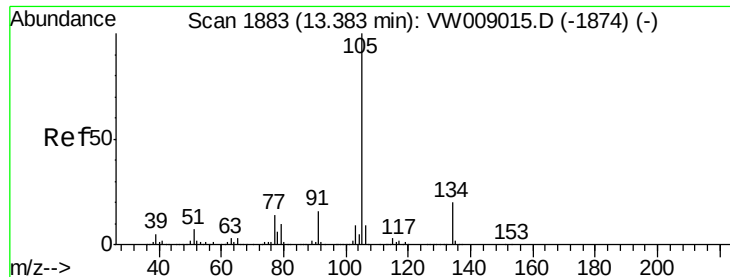
Tgt Ion:119 Resp: 220459
 Ion Ratio Lower Upper
 119 100
 91 67.2 34.3 102.9
 134 28.1 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.532 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion:105 Resp: 268418
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.7

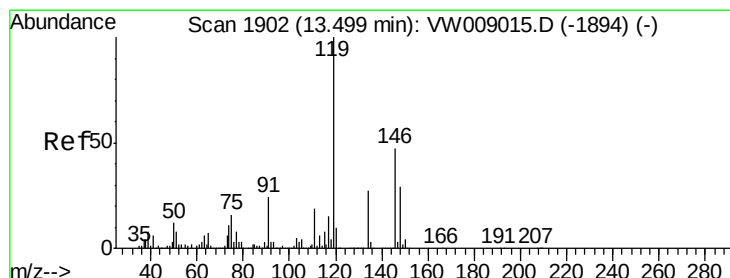
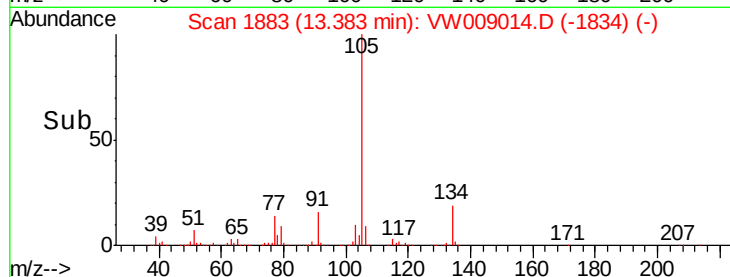
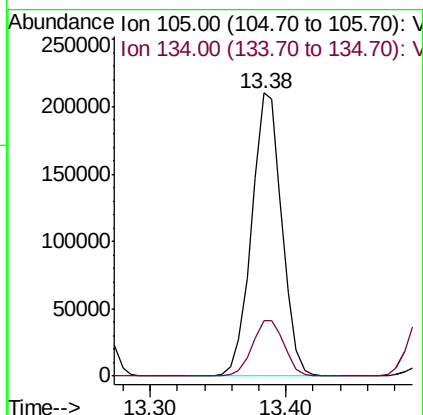
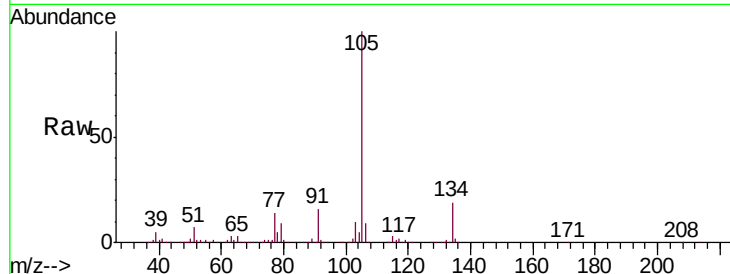




#85
 sec-Butylbenzene
 Concen: 19.384 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

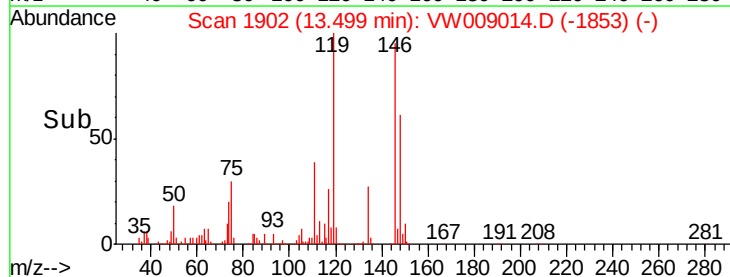
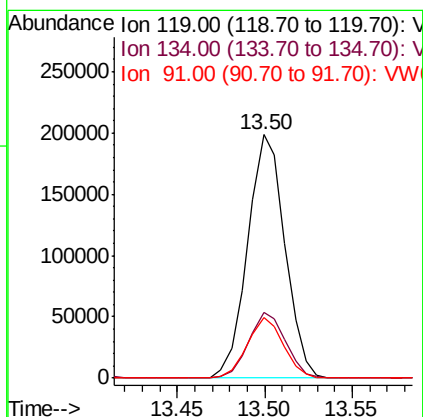
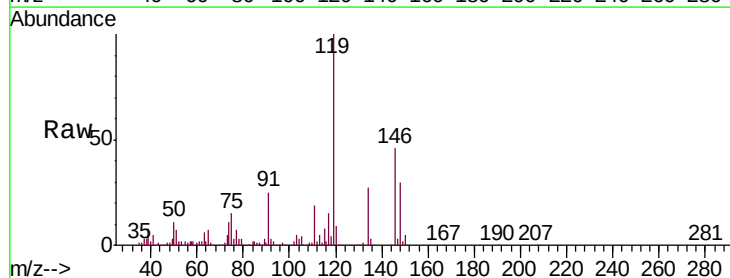
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

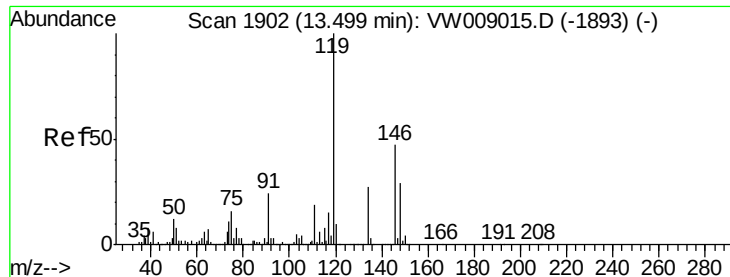
Tgt Ion:105 Resp: 327052
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 19.332 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009014.D
 Acq: 06 Mar 2019 11:43

Tgt Ion:119 Resp: 293601
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.0 38.9
 91 24.1 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.447 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

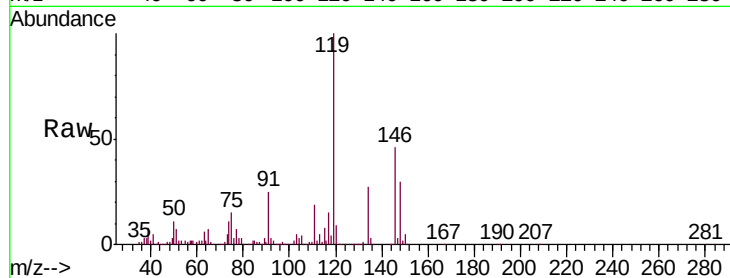
Tgt Ion:146 Resp: 147420

Ion Ratio Lower Upper

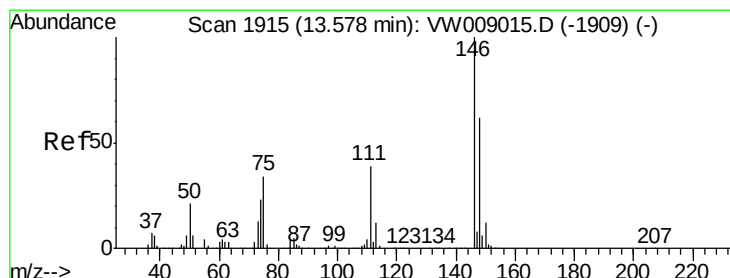
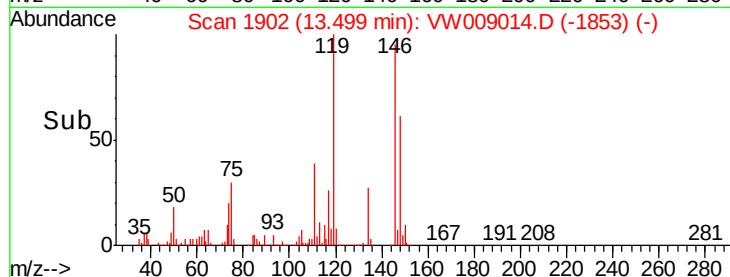
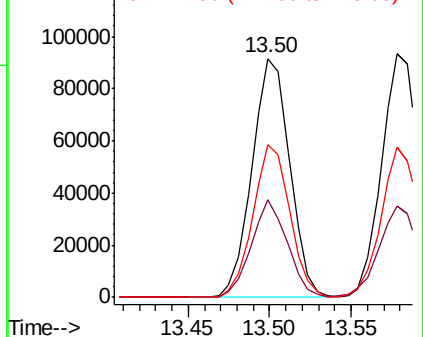
146 100

111 39.0 19.6 58.7

148 62.8 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 19.815 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

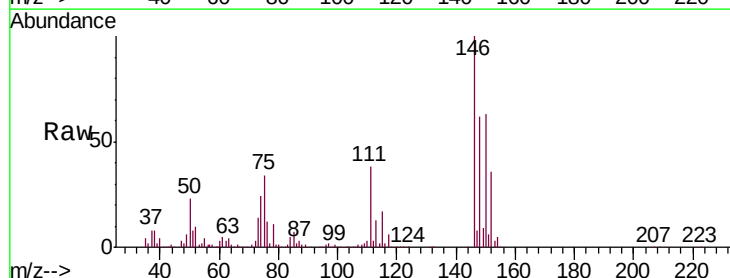
Tgt Ion:146 Resp: 148982

Ion Ratio Lower Upper

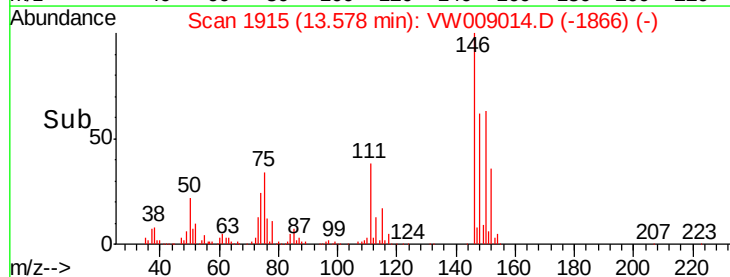
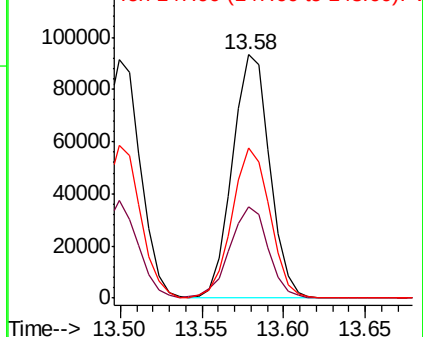
146 100

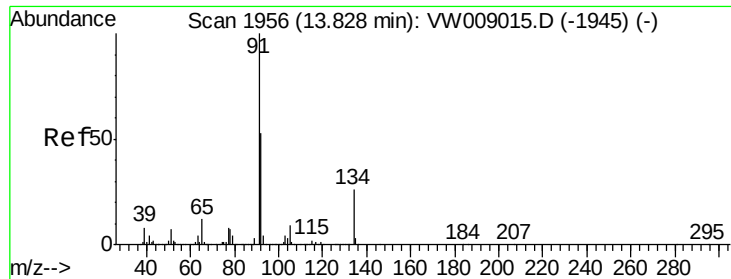
111 39.1 19.9 59.7

148 62.5 31.7 95.1



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

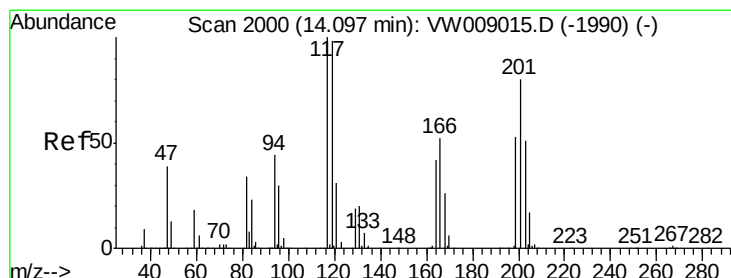
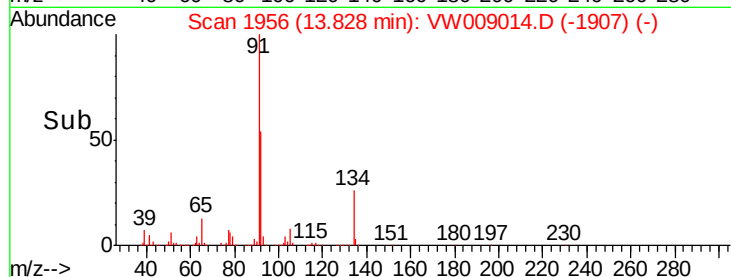
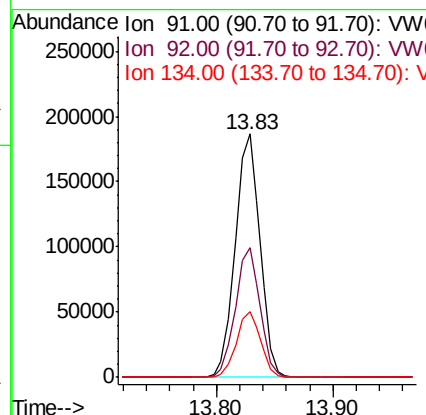
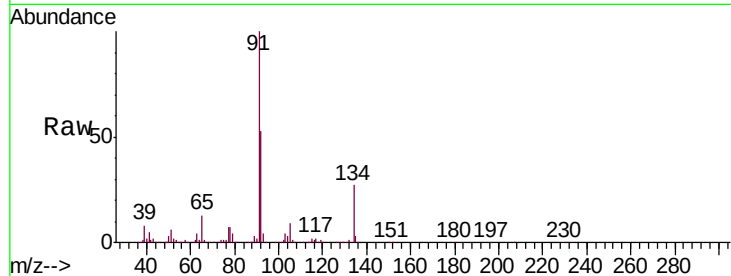




#89
n-Butylbenzene
Concen: 19.237 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 276589
Ion Ratio Lower Upper
91 100
92 52.9 26.7 80.0
134 26.3 13.0 39.0



#90
Hexachloroethane
Concen: 19.046 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009014.D
Acq: 06 Mar 2019 11:43

Tgt Ion: 117 Resp: 49554
Ion Ratio Lower Upper
117 100
201 79.0 38.9 116.6

