

Data File : VW009234.D
Acq On : 19 Mar 2019 11:24
Operator : SY/VA
Sample : VSTDIC010
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Quant Time: Mar 20 07:01:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:57:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	306296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	462599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	419483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227185	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	32337	9.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.86%	
35) Dibromofluoromethane	7.88	113	29250	9.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.94%	
50) Toluene-d8	10.32	98	104437	9.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.58%	
62) 4-Bromofluorobenzene	12.62	95	38291	9.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	24766	11.525	ug/l	90
3) Chloromethane	2.21	50	22154	9.978	ug/l	100
4) Vinyl Chloride	2.37	62	35855	11.003	ug/l	99
5) Bromomethane	2.78	94	27148	10.215	ug/l	99
6) Chloroethane	2.93	64	25309	10.010	ug/l	89
7) Trichlorofluoromethane	3.26	101	20532	9.618	ug/l	90
8) Diethyl Ether	3.67	74	16500	10.717	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.05	101	34063	11.015	ug/l	98
10) Methyl Iodide	4.28	142	47605	10.679	ug/l	97
11) Tert butyl alcohol	5.17	59	9752	51.584	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	31797	10.877	ug/l	90
13) Acrolein	3.89	56	7418	48.048	ug/l	94
14) Allyl chloride	4.65	41	43253	10.037	ug/l	94
15) Acrylonitrile	5.37	53	32991	50.988	ug/l	99
16) Acetone	4.12	43	35709	53.422	ug/l	97
17) Carbon Disulfide	4.38	76	88437	10.852	ug/l	96
18) Methyl Acetate	4.67	43	16017	9.337	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	35586	9.919	ug/l	97
20) Methylene Chloride	4.92	84	34093	10.924	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	30901	10.275	ug/l	94
22) Diisopropyl ether	6.31	45	92052	9.908	ug/l	98
23) Vinyl Acetate	6.26	43	277028	47.524	ug/l	98
24) 1,1-Dichloroethane	6.21	63	59253	10.334	ug/l	96
25) 2-Butanone	7.17	43	46444	48.491	ug/l	96
26) 2,2-Dichloropropane	7.17	77	34811	10.866	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	32636	10.017	ug/l	96
28) Bromochloromethane	7.51	49	24739	9.837	ug/l #	100
29) Tetrahydrofuran	7.52	42	28851	47.391	ug/l	98
30) Chloroform	7.67	83	62486	10.474	ug/l	99
31) Cyclohexane	7.95	56	57551	10.766	ug/l #	89
32) 1,1,1-Trichloroethane	7.87	97	49447	10.384	ug/l	99
36) 1,1-Dichloropropene	8.08	75	48168	10.464	ug/l	100
37) Ethyl Acetate	7.25	43	20906	9.953	ug/l	97
38) Carbon Tetrachloride	8.06	117	50804	10.429	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	52661	9.888	ug/l	93
40) Benzene	8.32	78	129640	10.385	ug/l	98
41) Methacrylonitrile	7.48	41	10143	8.959	ug/l	89
42) 1,2-Dichloroethane	8.40	62	41714	10.222	ug/l	98
43) Isopropyl Acetate	8.43	43	40970	9.740	ug/l	99
44) Trichloroethene	9.09	130	35511	10.384	ug/l	92
45) 1,2-Dichloropropane	9.37	63	32524	10.249	ug/l	98
46) Dibromomethane	9.45	93	18026	10.330	ug/l	99
47) Bromodichloromethane	9.65	83	44108	10.003	ug/l	97
48) Methyl methacrylate	9.43	41	17910	9.197	ug/l	95
49) 1,4-Dioxane	9.44	88	5069	187.280	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	103246	47.099	ug/l	99
52) Toluene	10.38	92	79195	10.012	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	41713	9.700	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	47439	9.806	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	22979	9.725	ug/l #	87
56) Ethyl methacrylate	10.65	69	25587	9.094	ug/l	99
57) 1,3-Dichloropropane	10.93	76	40052	9.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	61658	74.895	ug/l	99
59) 2-Hexanone	10.97	43	68499	46.028	ug/l	96
60) Dibromochloromethane	11.13	129	28645	9.812	ug/l	98
61) 1,2-Dibromoethane	11.23	107	22668	10.072	ug/l	97
64) Tetrachloroethene	10.86	164	29980	10.436	ug/l	93
65) Chlorobenzene	11.66	112	89846	10.356	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	33878	10.455	ug/l	97
67) Ethyl Benzene	11.73	91	147414	9.810	ug/l	99
68) m/p-Xylenes	11.84	106	119134	20.455	ug/l	96
69) o-Xylene	12.17	106	52084	9.630	ug/l	99
70) Styrene	12.18	104	87038	9.761	ug/l	99
71) Bromoform	12.35	173	17386	9.823	ug/l #	94
73) Isopropylbenzene	12.46	105	145849	9.605	ug/l	99
74) N-amyl acetate	12.27	43	36945	9.327	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	28970	10.199	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	38343	16.692	ug/l #	100
77) Bromobenzene	12.75	156	37238	10.353	ug/l	95
78) n-propylbenzene	12.80	91	185115	9.926	ug/l	99
79) 2-Chlorotoluene	12.89	91	106681	10.070	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	127010	9.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	8270	9.505	ug/l	94
82) 4-Chlorotoluene	12.99	91	111853	10.022	ug/l	99
83) tert-Butylbenzene	13.21	119	107644	9.754	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	130990	9.895	ug/l	98
85) sec-Butylbenzene	13.38	105	161845	9.925	ug/l	99
86) p-Isopropyltoluene	13.50	119	141999	9.779	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	76530	10.282	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	76571	10.332	ug/l	97
89) n-Butylbenzene	13.83	91	133013	9.542	ug/l	99
90) Hexachloroethane	14.10	117	27607	9.643	ug/l	89
91) 1,2-Dichlorobenzene	13.87	146	67340	10.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5093	10.014	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	46083	10.281	ug/l	96
94) Hexachlorobutadiene	15.24	225	31050	10.891	ug/l	97
95) Naphthalene	15.37	128	73860	9.511	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	40755	10.186	ug/l	100

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

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VSTDICC010

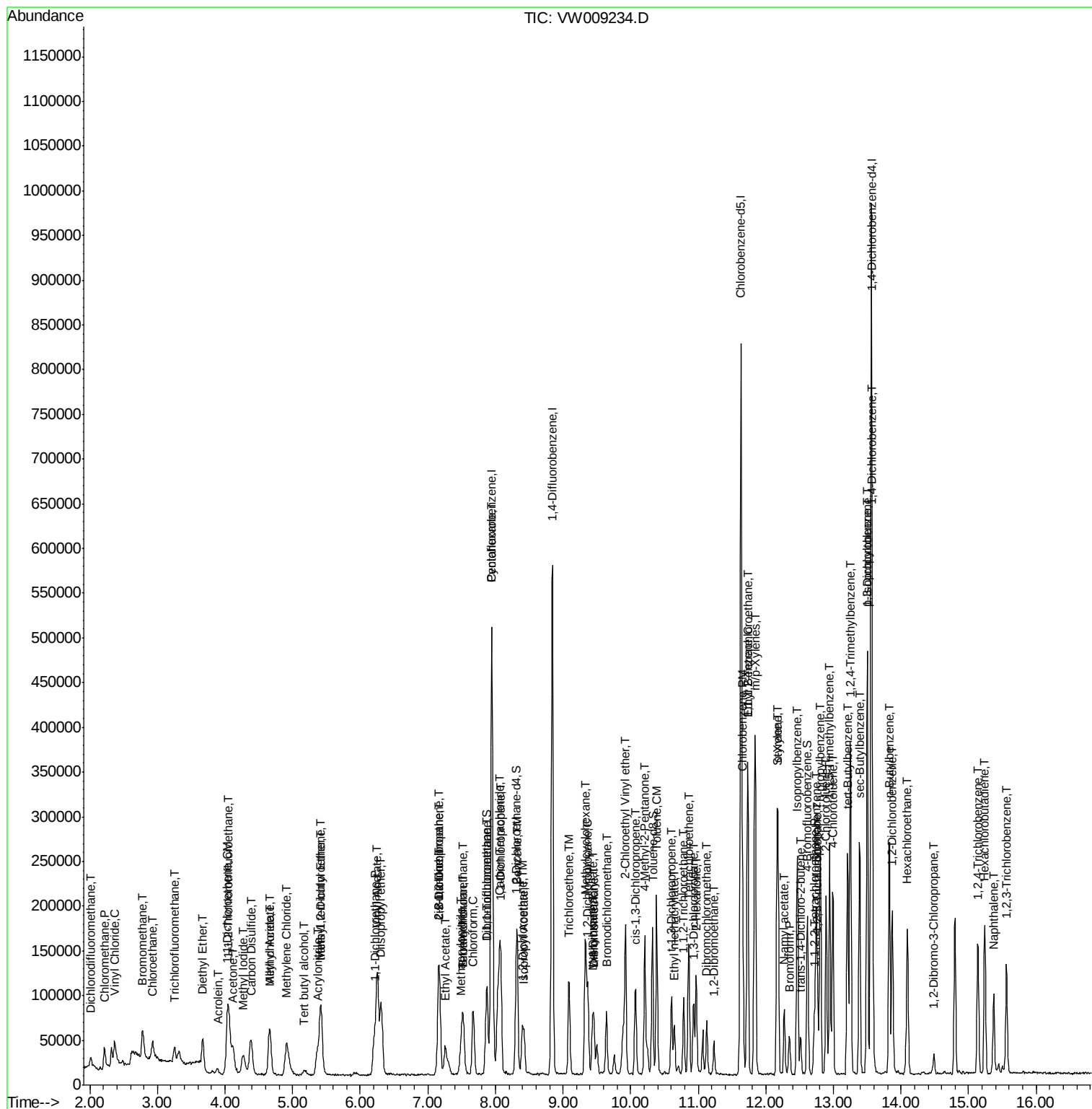
Quant Time: Mar 20 07:01:08 2019

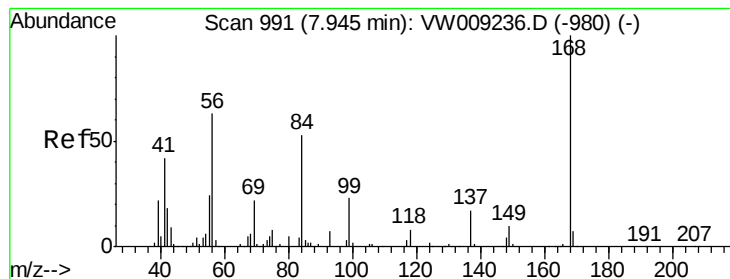
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W031919S.M

Quant Title : SW846 8260

QLast Update : Wed Mar 20 06:57:43 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

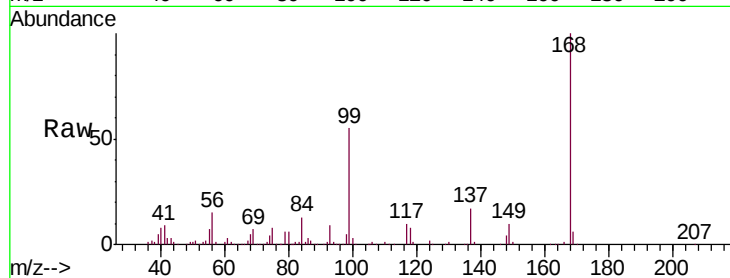
VSTDIC010

Tgt Ion:168 Resp: 306296

Ion Ratio Lower Upper

168 100

99 54.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

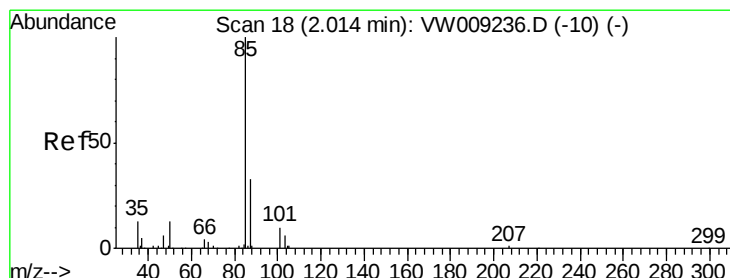
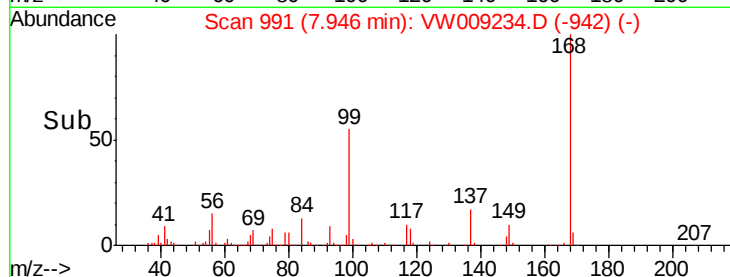
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 11.525 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009234.D

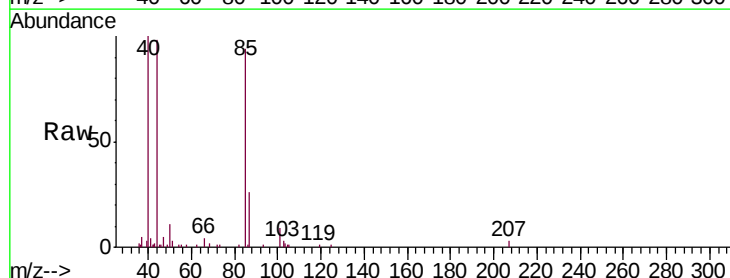
Acq: 19 Mar 2019 11:24

Tgt Ion: 85 Resp: 24766

Ion Ratio Lower Upper

85 100

87 27.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

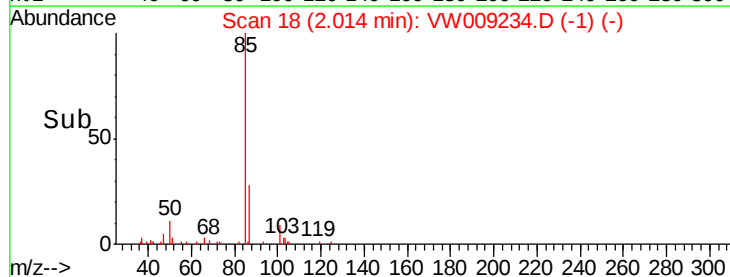
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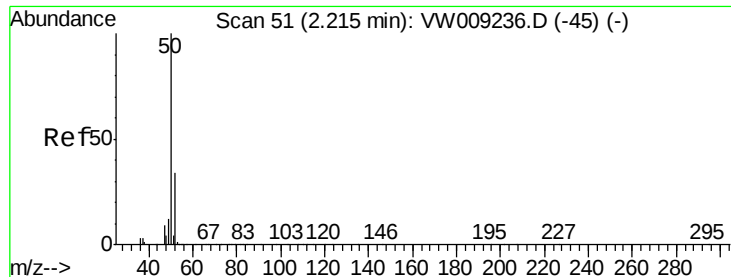
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 9.978 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

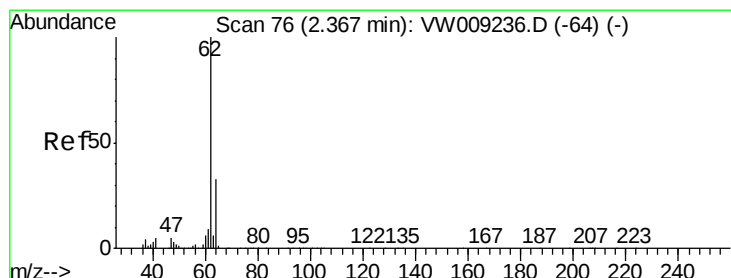
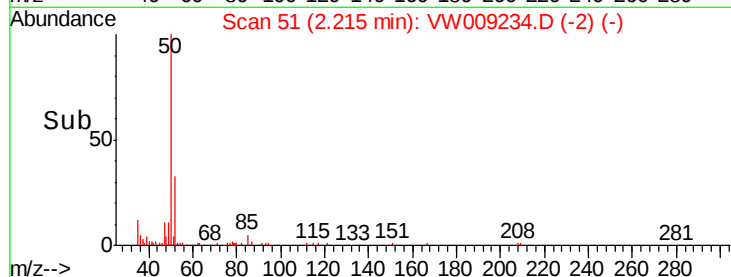
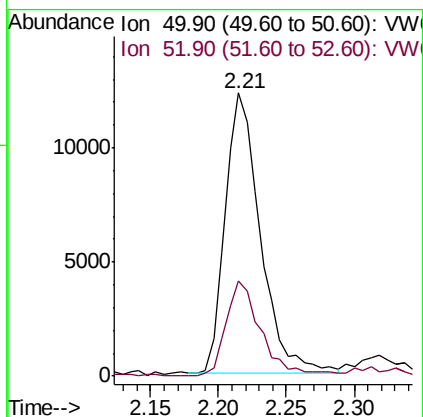
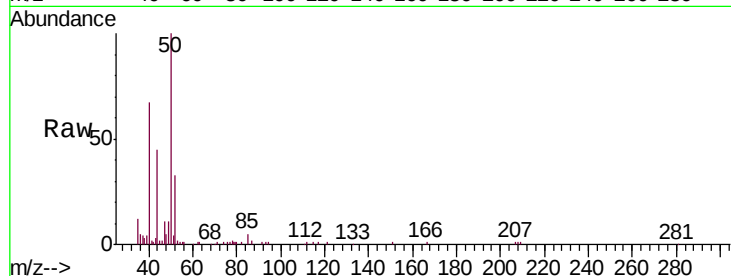
VSTDIC010

Tgt Ion: 50 Resp: 22154

Ion Ratio Lower Upper

50 100

52 33.8 27.2 40.8



#4

Vinyl Chloride

Concen: 11.003 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009234.D

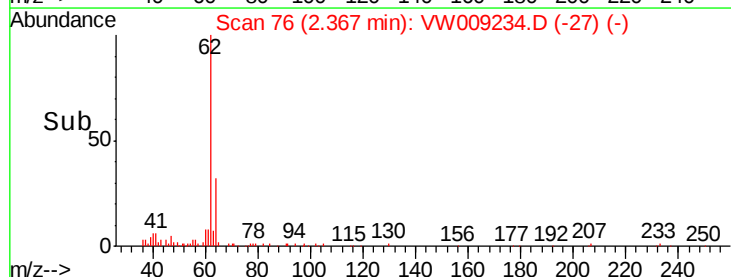
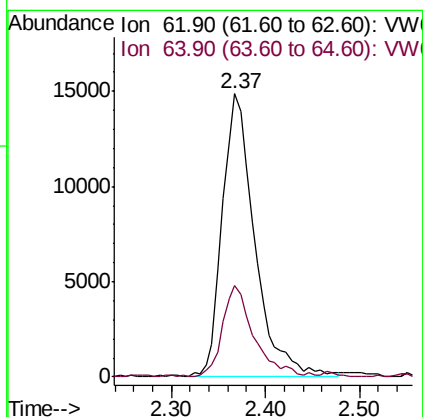
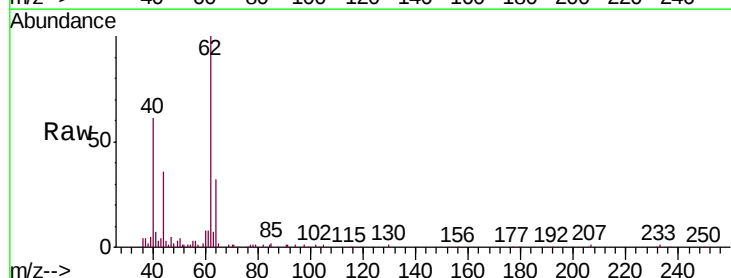
Acq: 19 Mar 2019 11:24

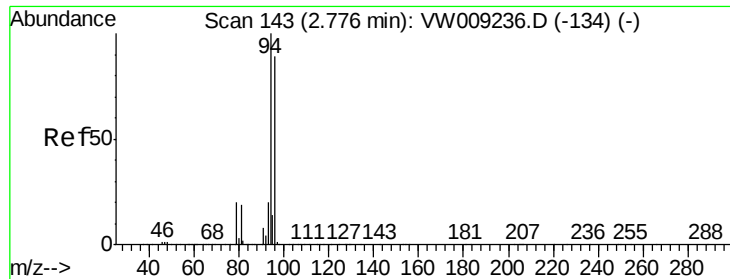
Tgt Ion: 62 Resp: 35855

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.2





#5

Bromomethane

Concen: 10.215 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

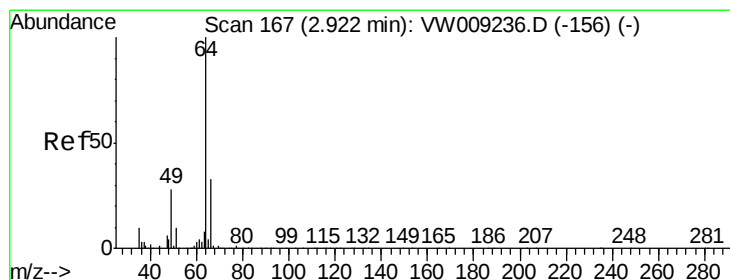
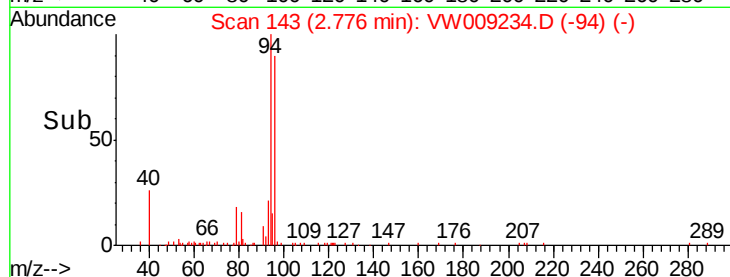
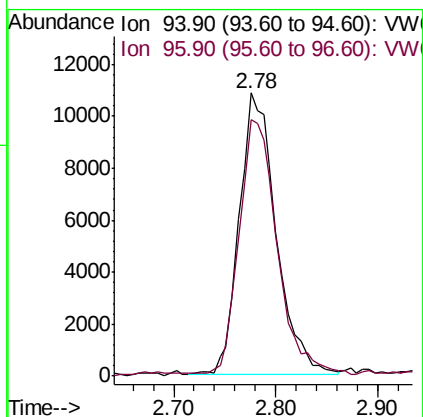
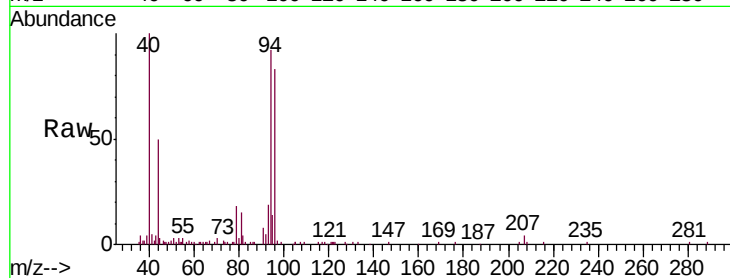
VSTDIC010

Tgt Ion: 94 Resp: 27148

Ion Ratio Lower Upper

94 100

96 90.1 71.4 107.2



#6

Chloroethane

Concen: 10.010 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009234.D

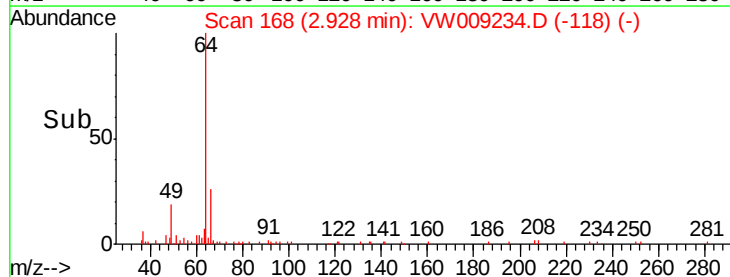
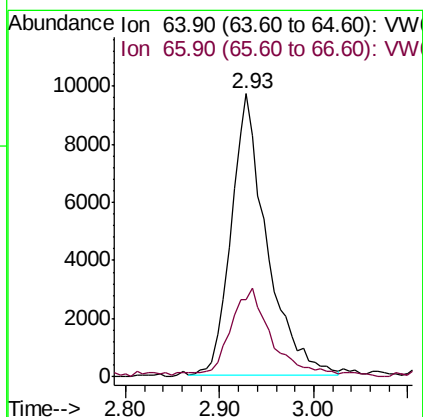
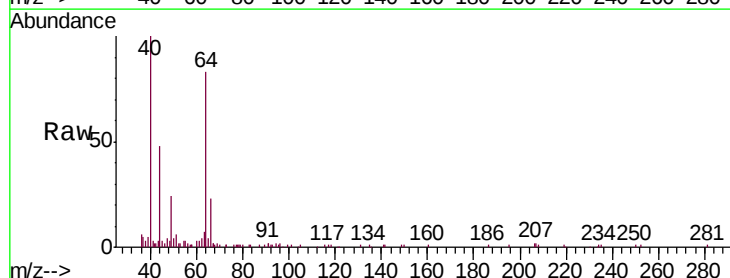
Acq: 19 Mar 2019 11:24

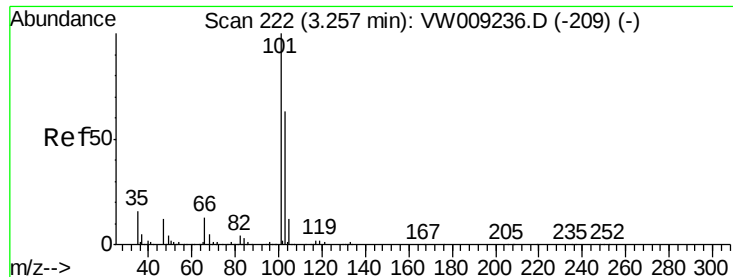
Tgt Ion: 64 Resp: 25309

Ion Ratio Lower Upper

64 100

66 26.4 26.2 39.2



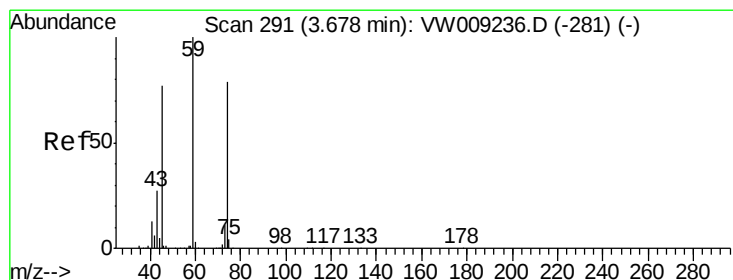
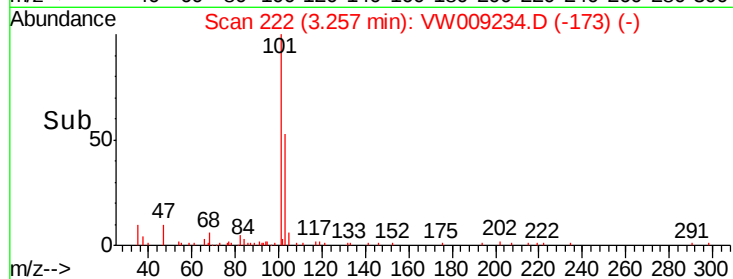
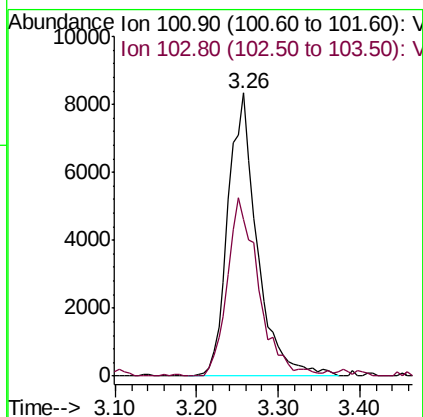
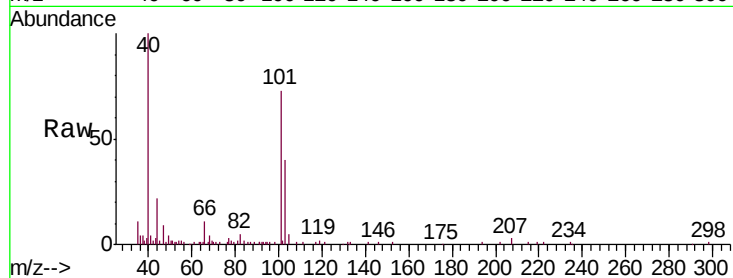


#7

Trichlorofluoromethane
 Concen: 9.618 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009234.D
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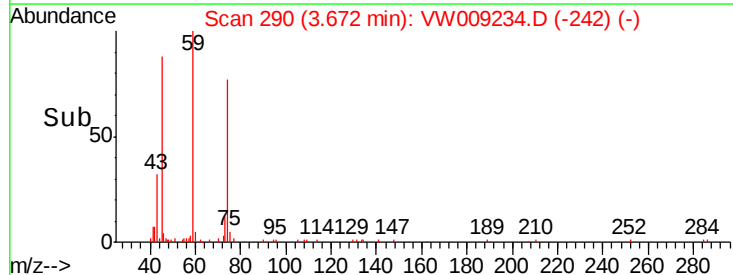
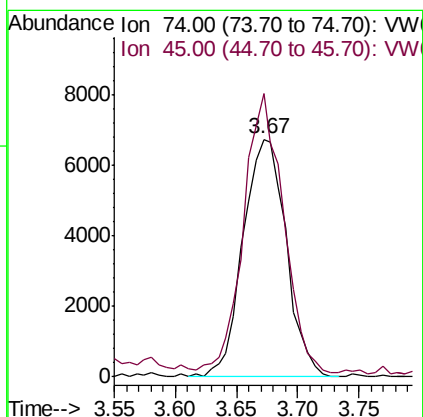
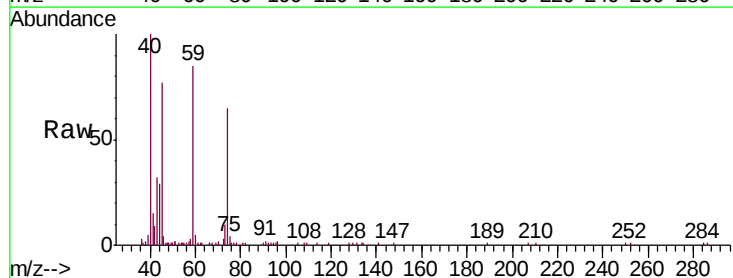
Tgt Ion:101 Resp: 20532
 Ion Ratio Lower Upper
 101 100
 103 55.2 50.5 75.7

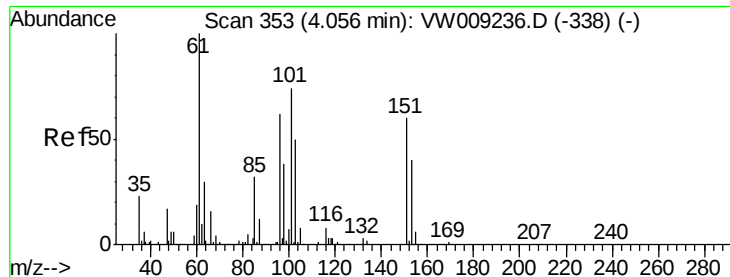


#8

Diethyl Ether
 Concen: 10.717 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion: 74 Resp: 16500
 Ion Ratio Lower Upper
 74 100
 45 108.9 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.015 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

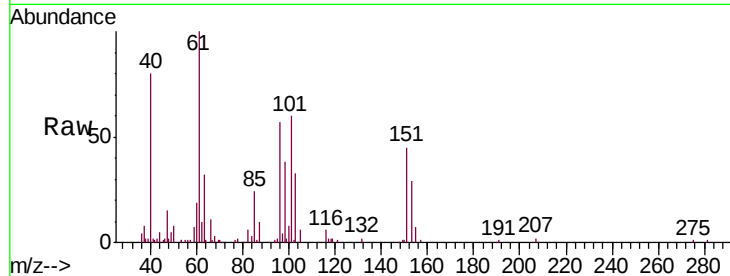
Tgt Ion:101 Resp: 34063

Ion Ratio Lower Upper

101 100

85 42.5 35.1 52.7

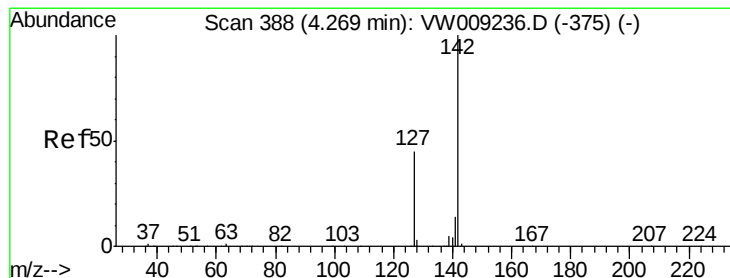
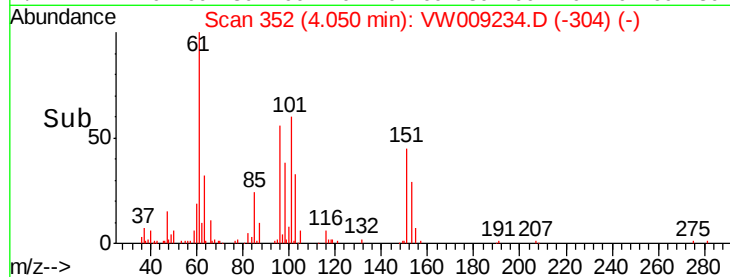
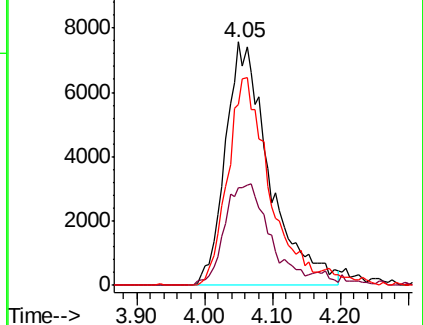
151 80.0 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.679 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

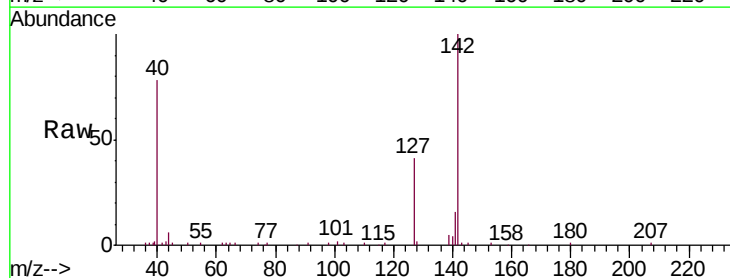
Tgt Ion:142 Resp: 47605

Ion Ratio Lower Upper

142 100

127 46.6 35.9 53.9

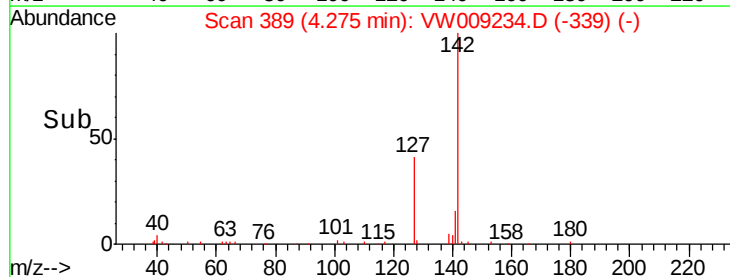
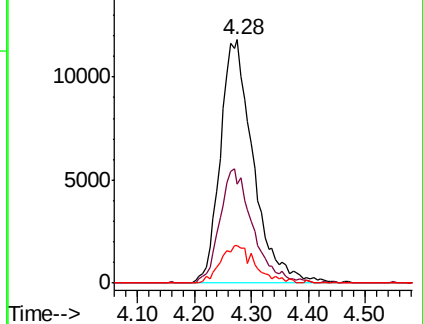
141 16.1 11.4 17.2

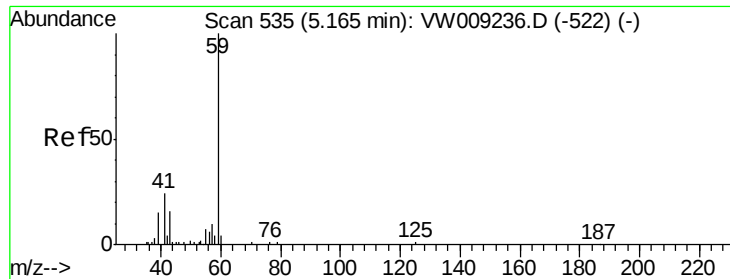


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

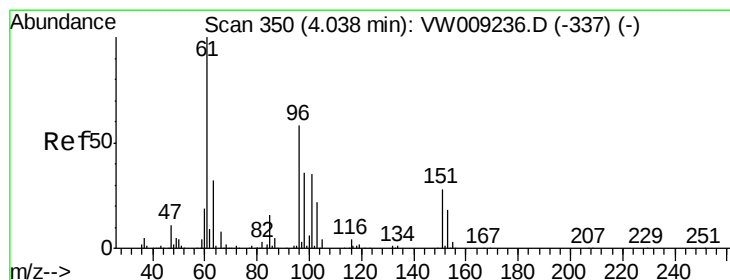
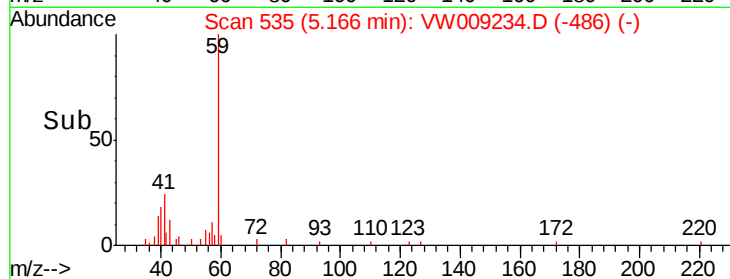
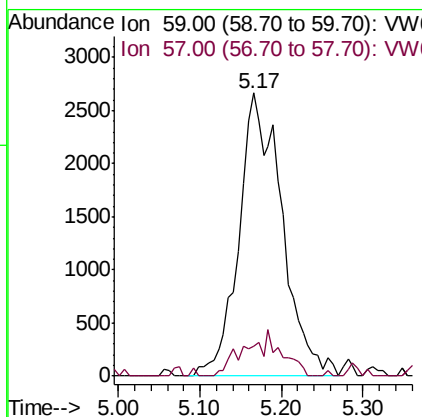
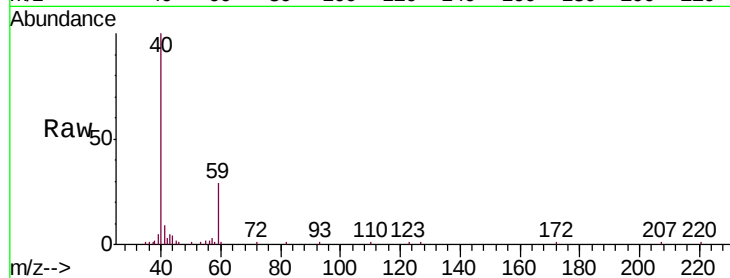




#11
Tert butyl alcohol
Concen: 51.584 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

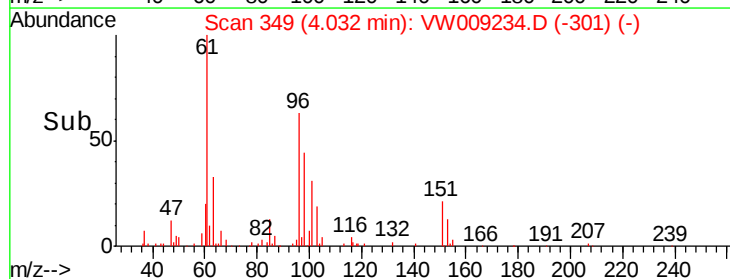
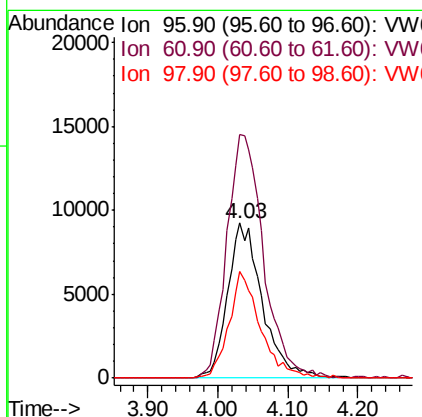
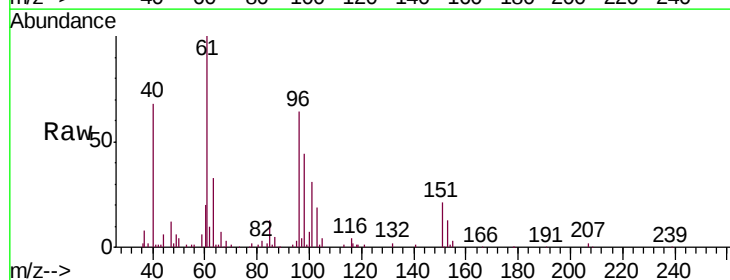
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

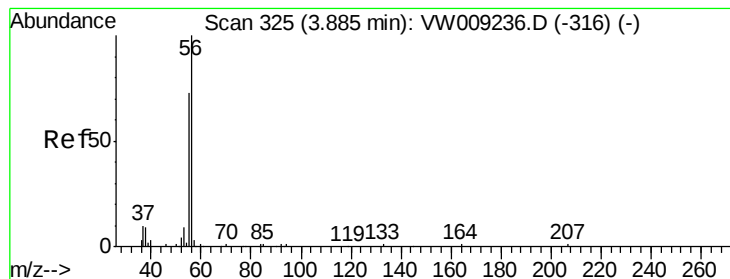
Tgt Ion: 59 Resp: 9752
Ion Ratio Lower Upper
59 100
57 7.5 9.4 14.0#



#12
1,1-Dichloroethene
Concen: 10.877 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 96 Resp: 31797
Ion Ratio Lower Upper
96 100
61 157.4 138.0 207.0
98 69.3 49.8 74.8





#13

Acrolein

Concen: 48.048 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

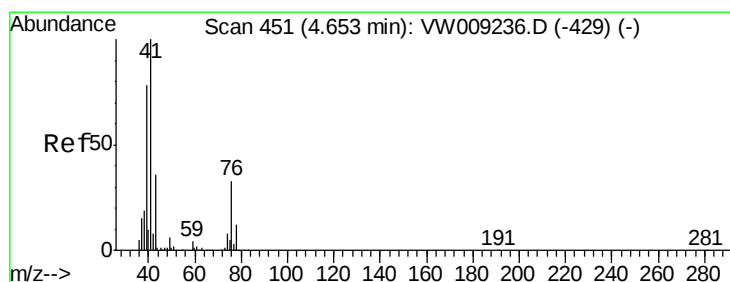
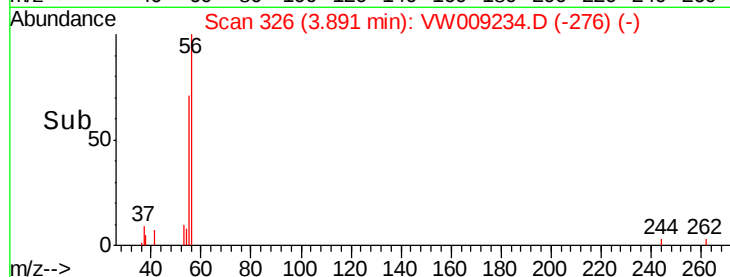
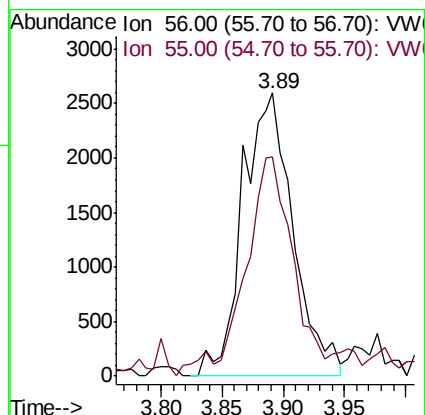
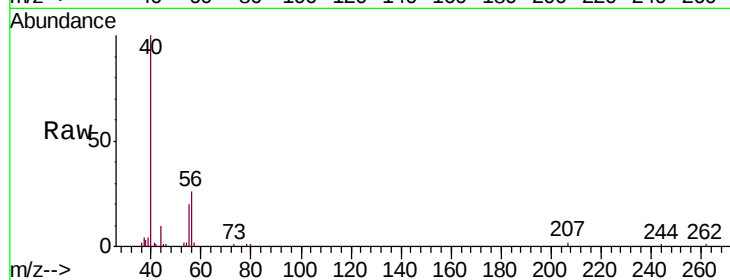
VSTDIC010

Tgt Ion: 56 Resp: 7418

Ion Ratio Lower Upper

56 100

55 64.0 55.2 82.8



#14

Allyl chloride

Concen: 10.037 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

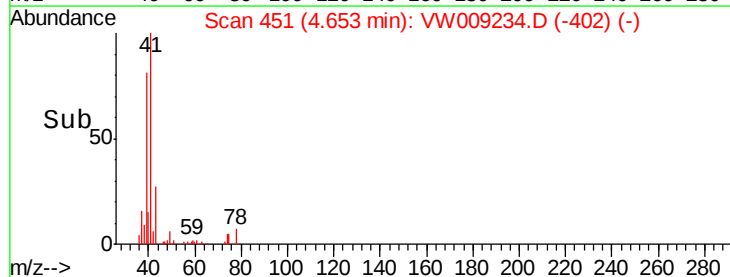
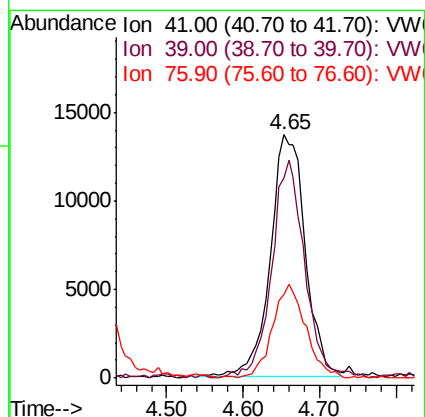
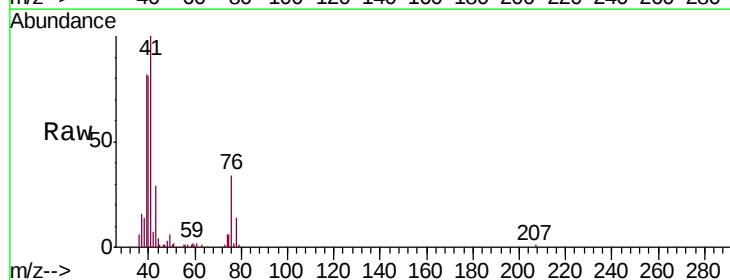
Tgt Ion: 41 Resp: 43253

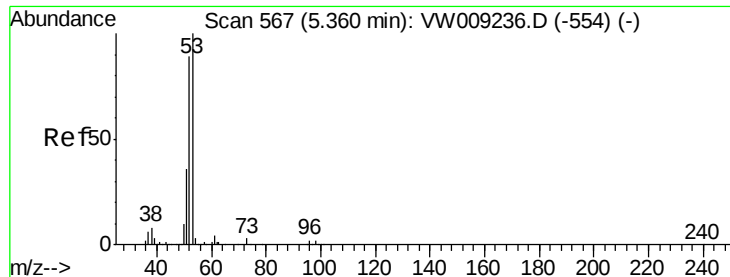
Ion Ratio Lower Upper

41 100

39 85.7 63.8 95.6

76 36.9 27.8 41.6





#15

Acrylonitrile

Concen: 50.988 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

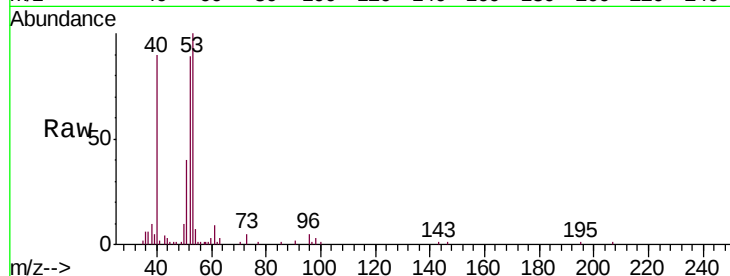
Tgt Ion: 53 Resp: 32991

Ion Ratio Lower Upper

53 100

52 83.2 67.6 101.4

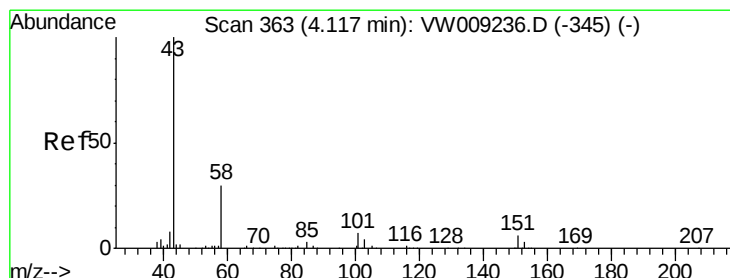
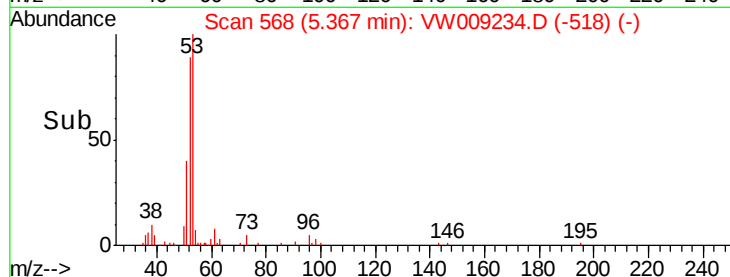
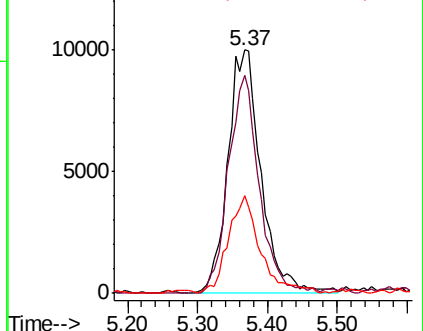
51 38.7 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 53.422 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009234.D

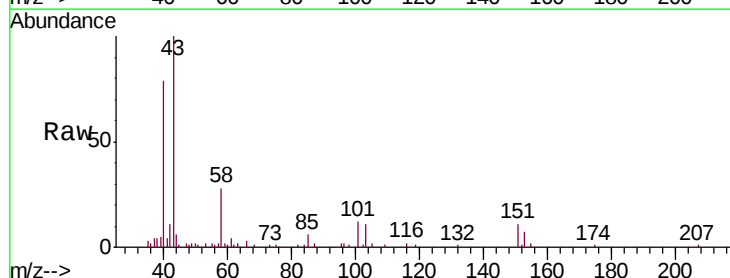
Acq: 19 Mar 2019 11:24

Tgt Ion: 43 Resp: 35709

Ion Ratio Lower Upper

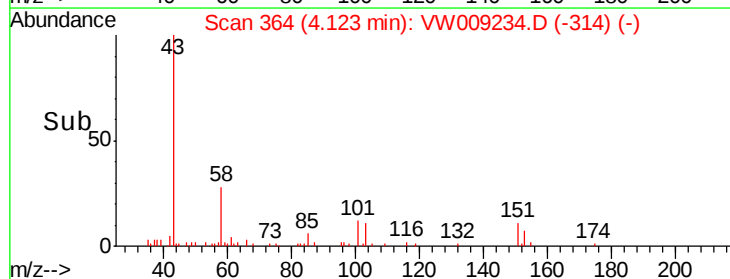
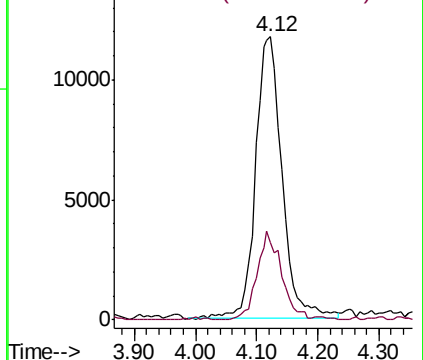
43 100

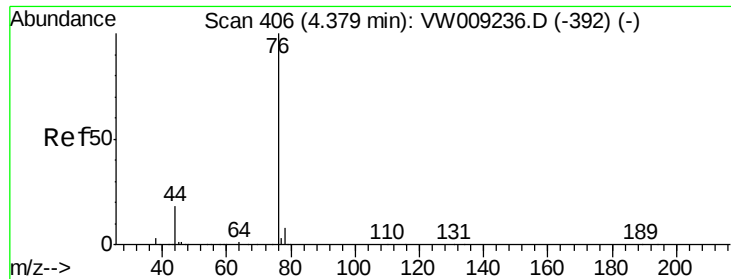
58 27.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

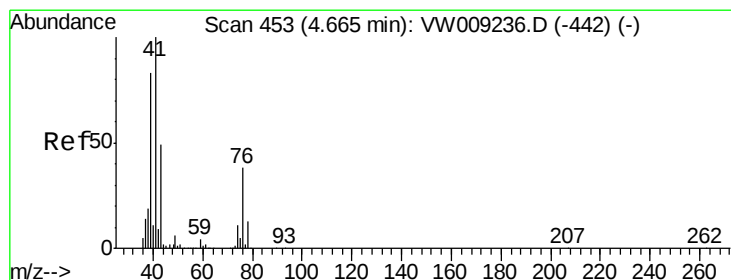
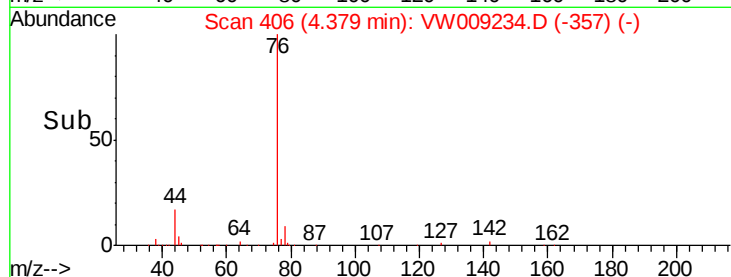
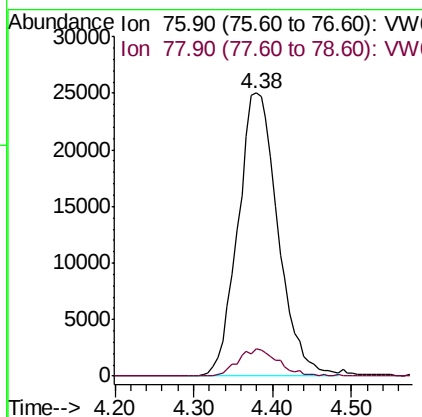
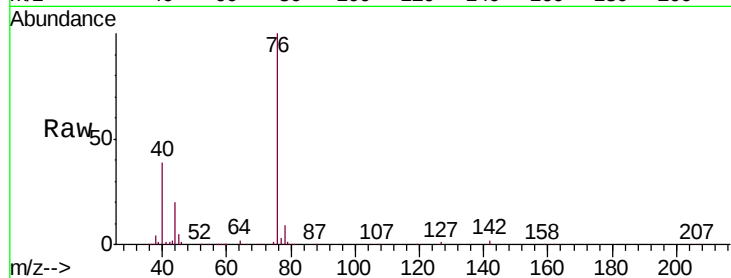




#17
Carbon Disulfide
Concen: 10.852 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

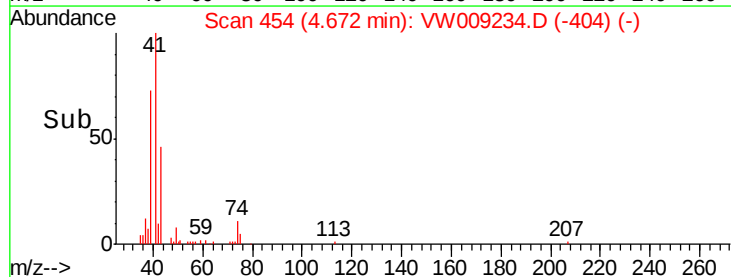
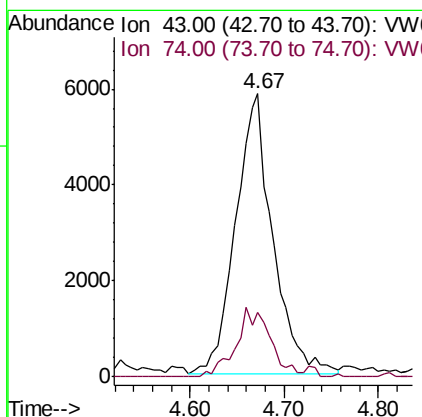
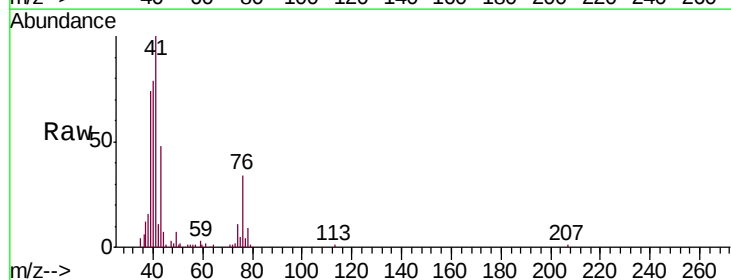
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

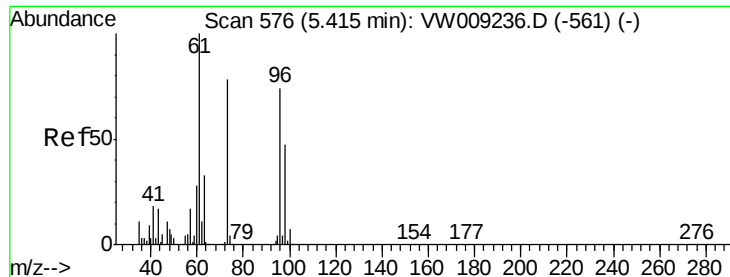
Tgt Ion: 76 Resp: 88437
Ion Ratio Lower Upper
76 100
78 9.5 6.6 9.8



#18
Methyl Acetate
Concen: 9.337 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 43 Resp: 16017
Ion Ratio Lower Upper
43 100
74 22.8 17.7 26.5

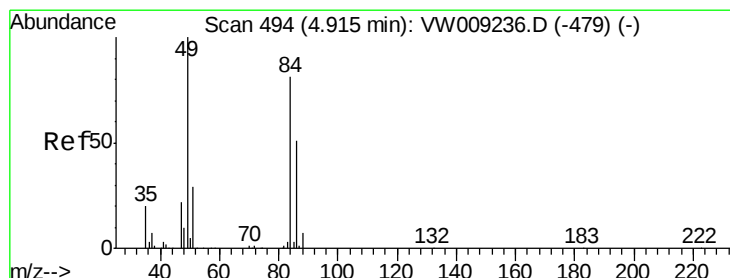
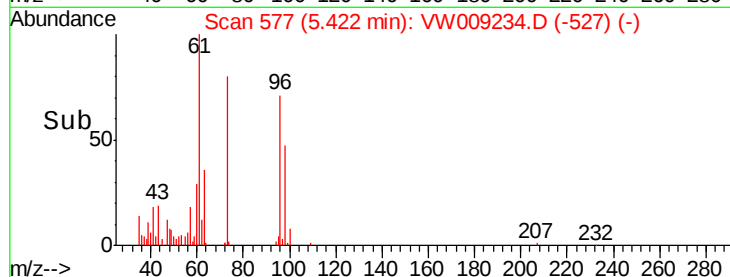
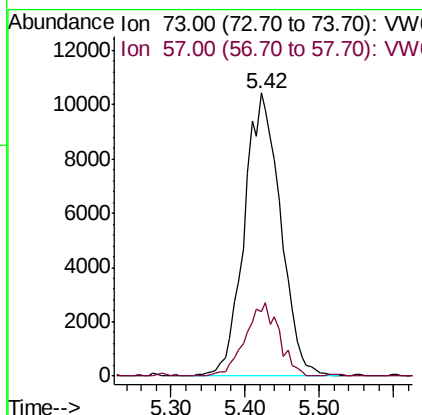
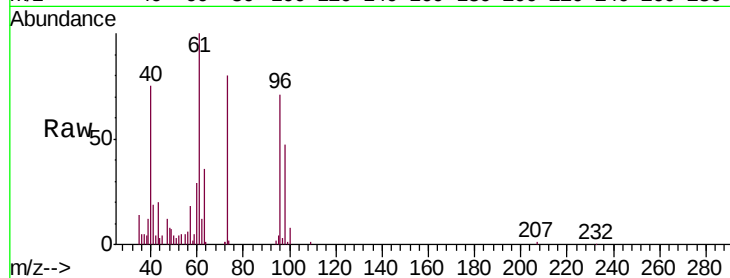




#19
Methyl tert-butyl Ether
Concen: 9.919 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

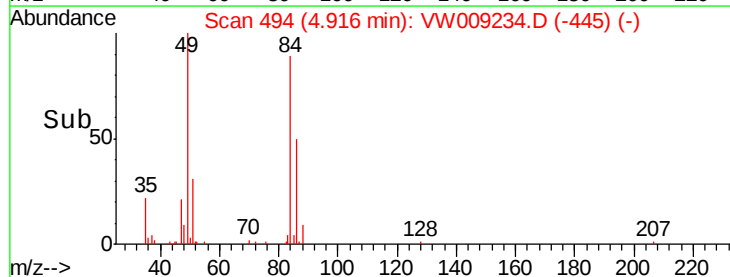
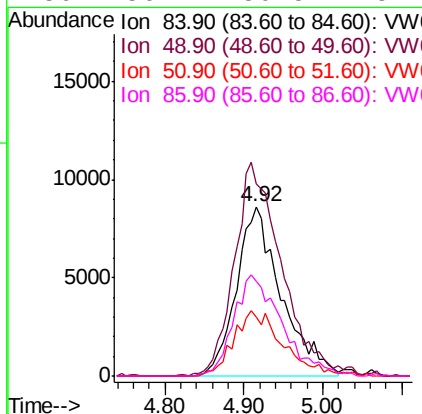
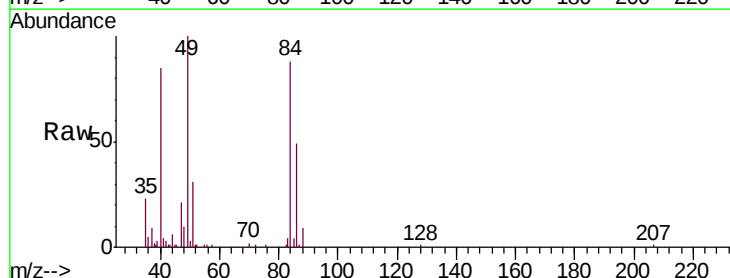
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

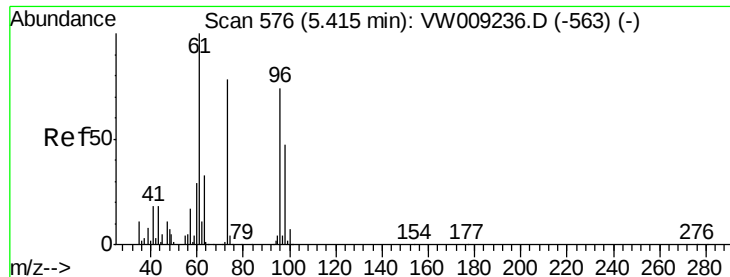
Tgt Ion: 73 Resp: 35586
Ion Ratio Lower Upper
73 100
57 22.8 17.0 25.6



#20
Methylene Chloride
Concen: 10.924 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 84 Resp: 34093
Ion Ratio Lower Upper
84 100
49 113.6 99.1 148.7
51 34.9 28.7 43.1
86 56.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 10.275 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

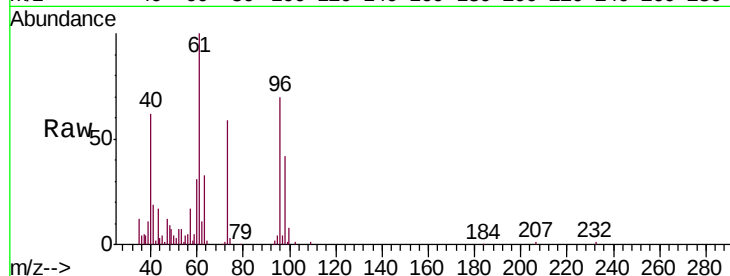
Tgt Ion: 96 Resp: 30901

Ion Ratio Lower Upper

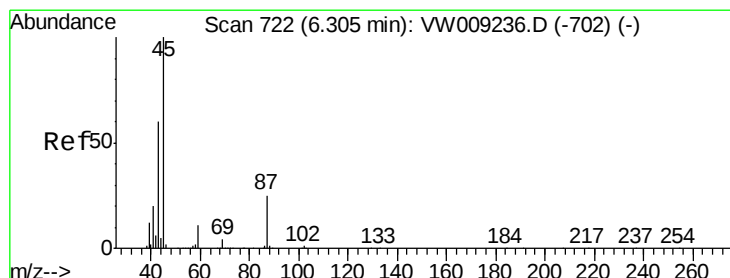
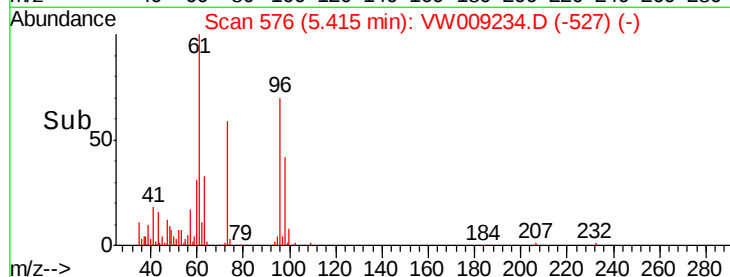
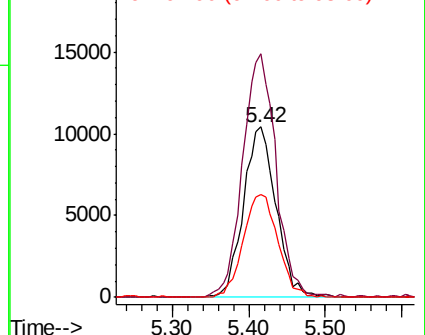
96 100

61 142.9 108.2 162.4

98 60.5 50.9 76.3



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: 9.908 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion: 45 Resp: 92052

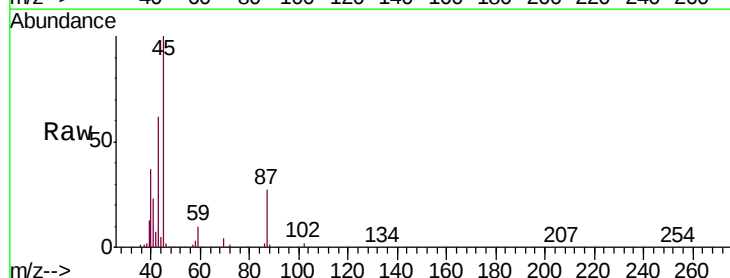
Ion Ratio Lower Upper

45 100

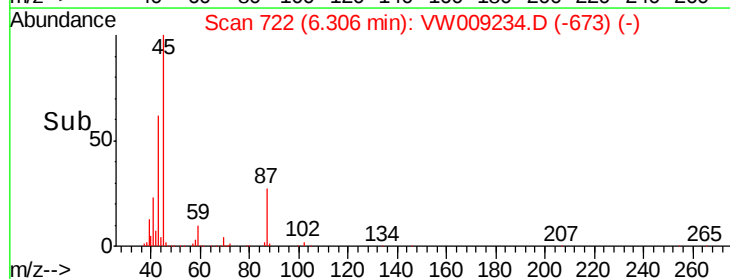
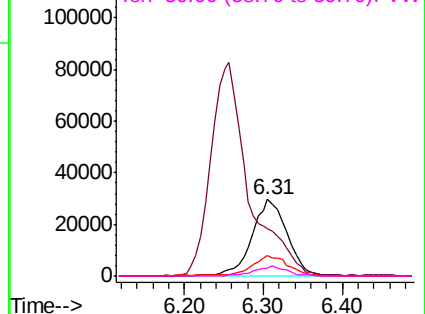
43 61.3 47.9 71.9

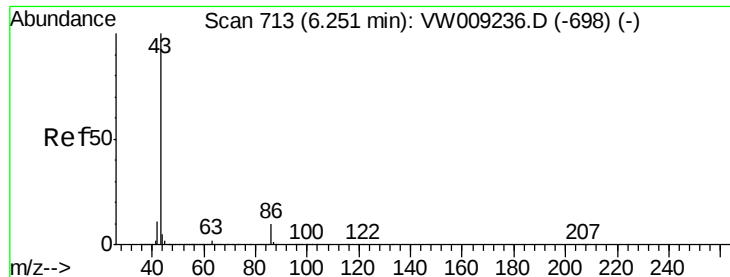
87 27.2 20.6 30.8

59 9.6 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: 47.524 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

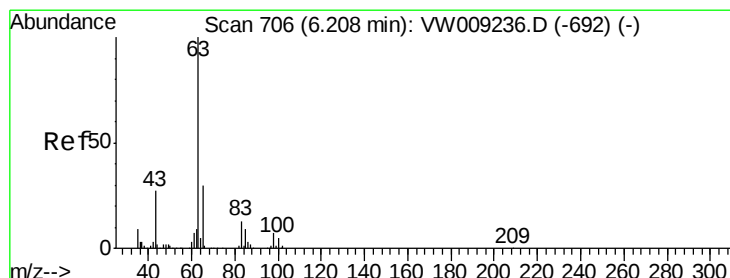
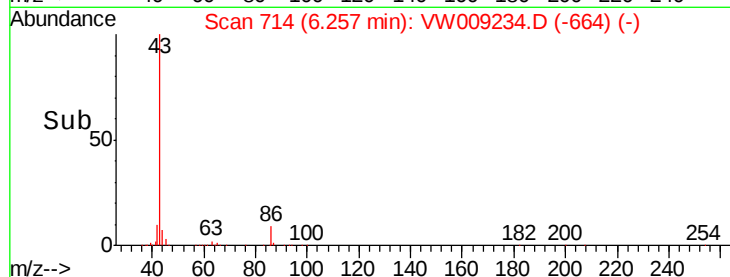
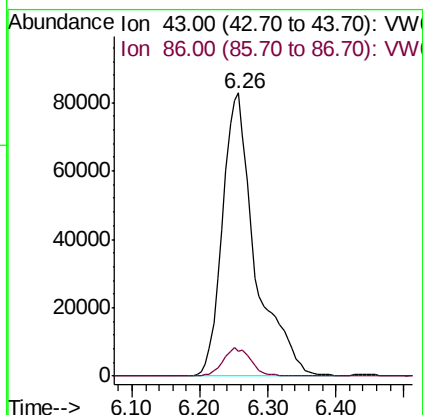
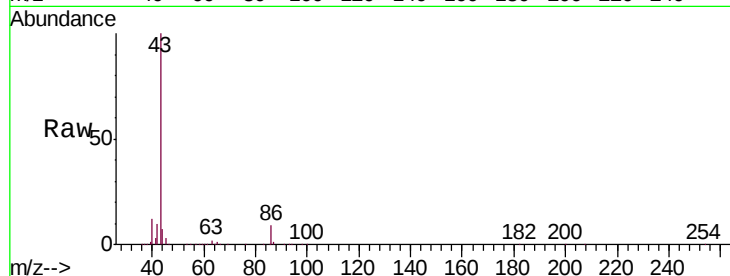
VSTDIC010

Tgt Ion: 43 Resp: 277028

Ion Ratio Lower Upper

43 100

86 8.9 7.7 11.5



#24

1,1-Dichloroethane

Concen: 10.334 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

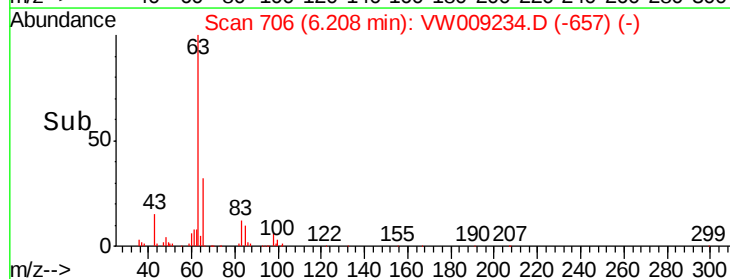
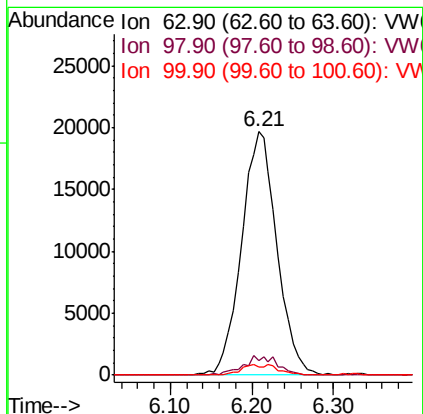
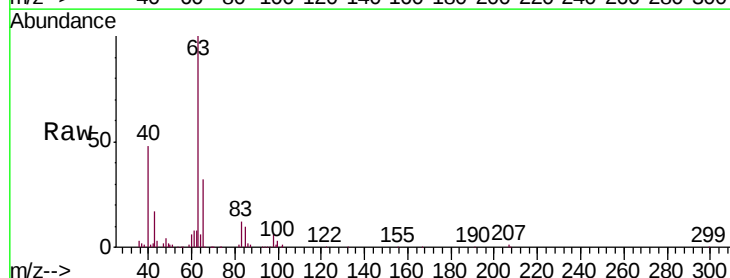
Tgt Ion: 63 Resp: 59253

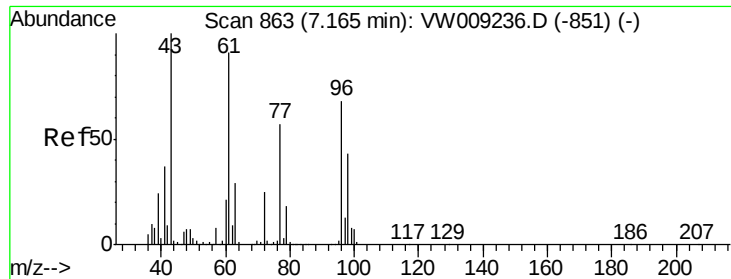
Ion Ratio Lower Upper

63 100

98 6.1 3.7 11.1

100 3.2 2.4 7.1





#25

2-Butanone

Concen: 48.491 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

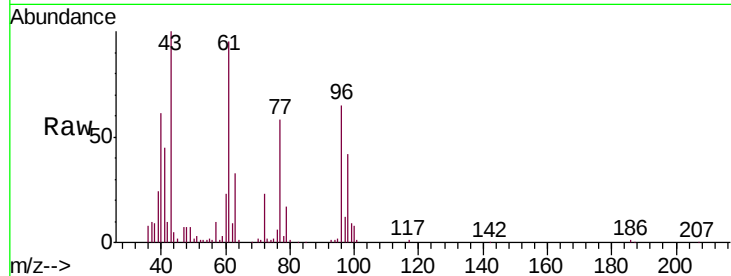
VSTDIC010

Tgt Ion: 43 Resp: 46444

Ion Ratio Lower Upper

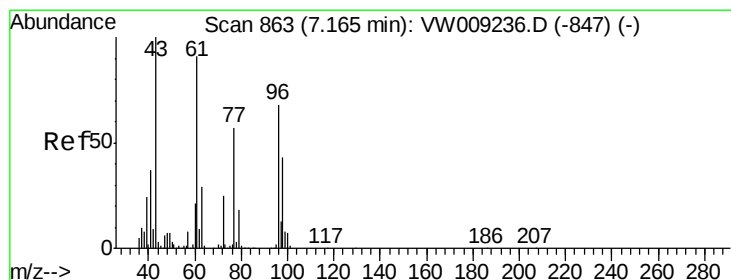
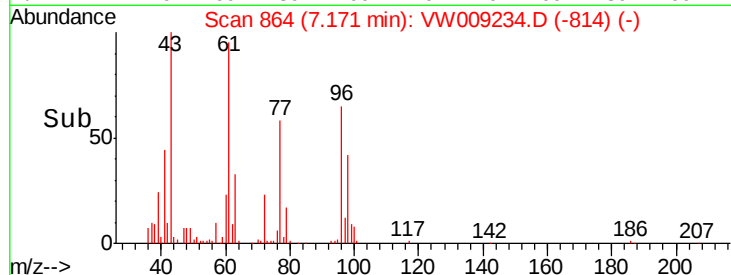
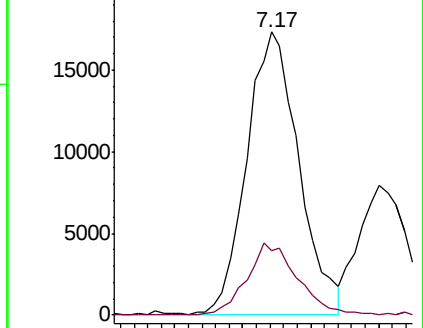
43 100

72 23.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 10.866 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009234.D

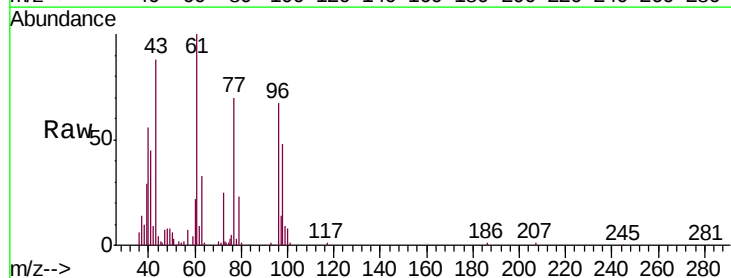
Acq: 19 Mar 2019 11:24

Tgt Ion: 77 Resp: 34811

Ion Ratio Lower Upper

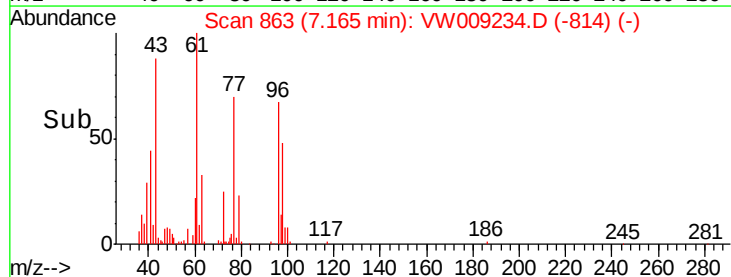
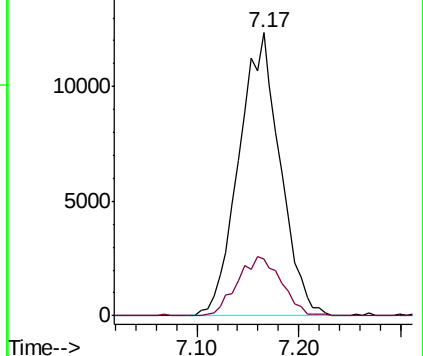
77 100

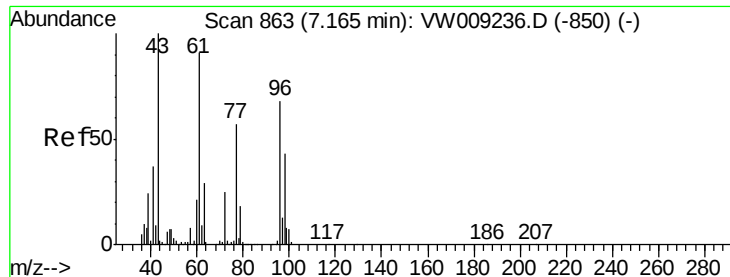
97 22.2 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



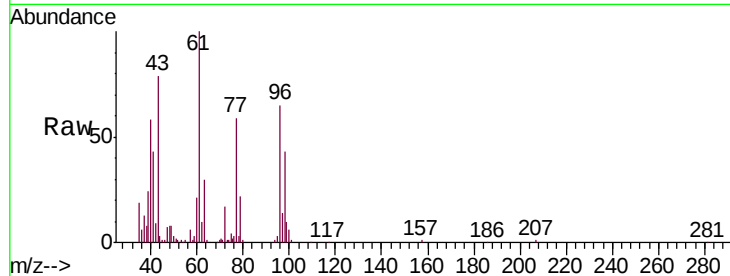


#27

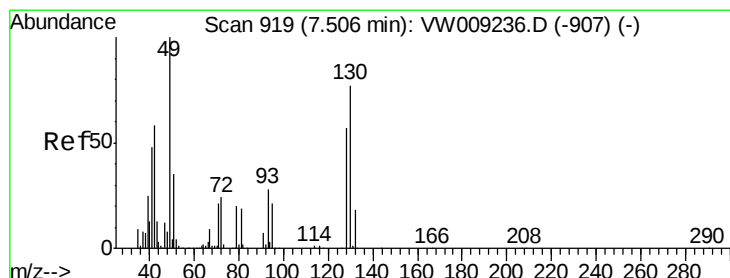
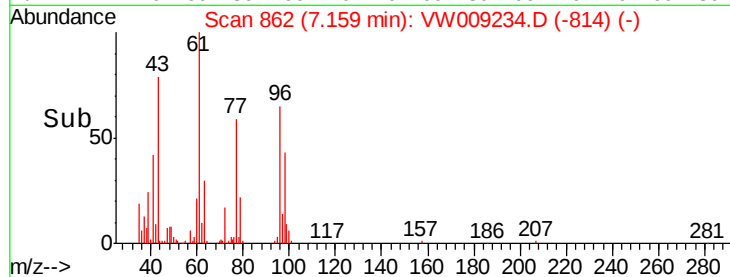
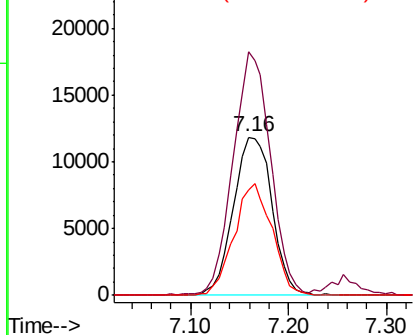
cis-1,2-Dichloroethene
 Concen: 10.017 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion: 96 Resp: 32636
 Ion Ratio Lower Upper
 96 100
 61 149.3 0.0 289.8
 98 69.2 0.0 130.8



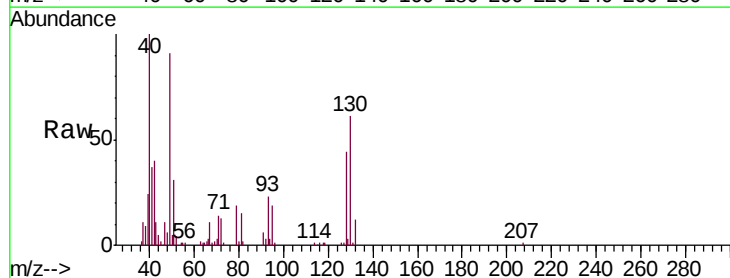
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



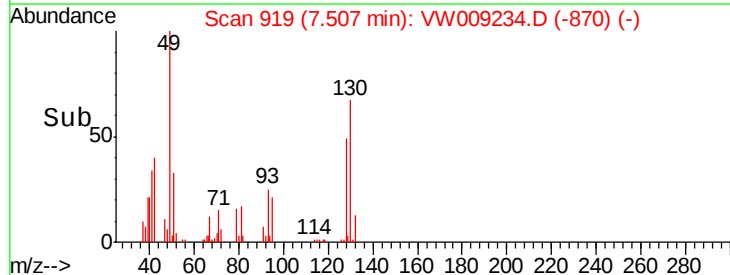
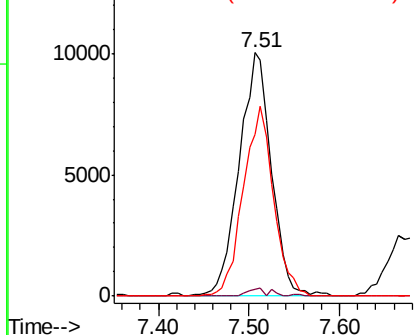
#28

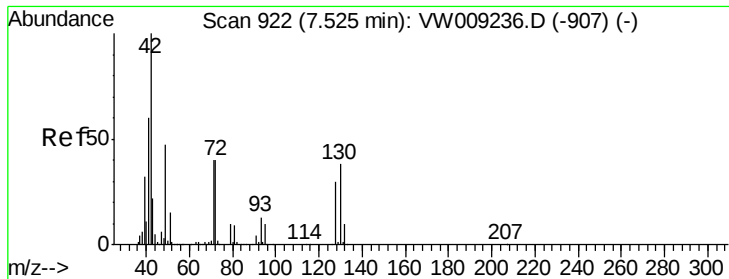
Bromochloromethane
 Concen: 9.837 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion: 49 Resp: 24739
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 1.4#
 130 73.0 58.6 88.0



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

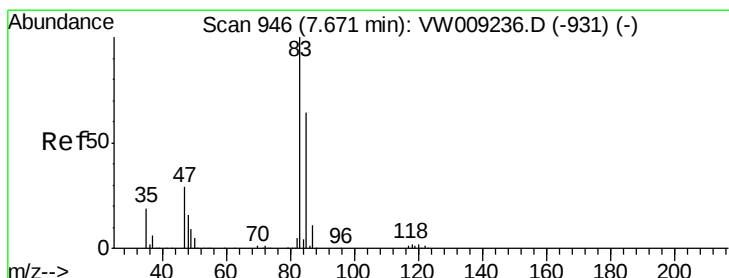
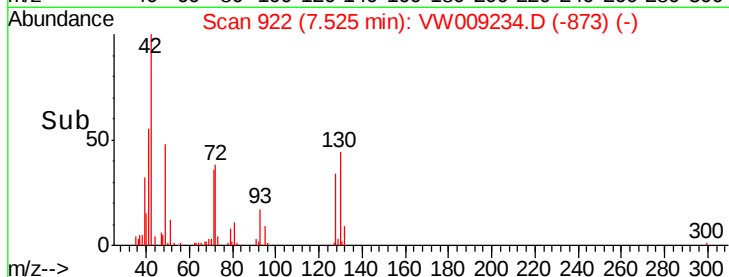
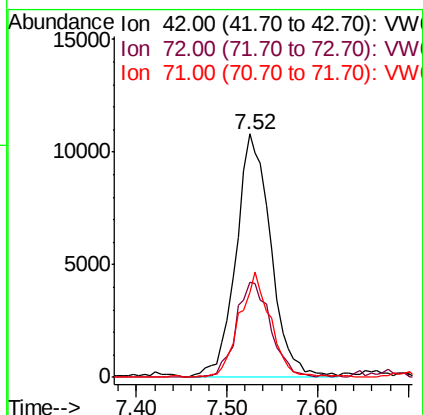
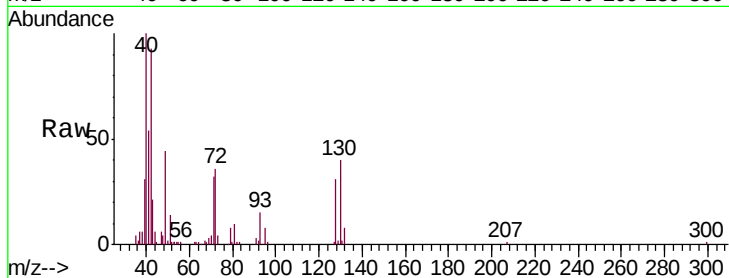




#29
Tetrahydrofuran
Concen: 47.391 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

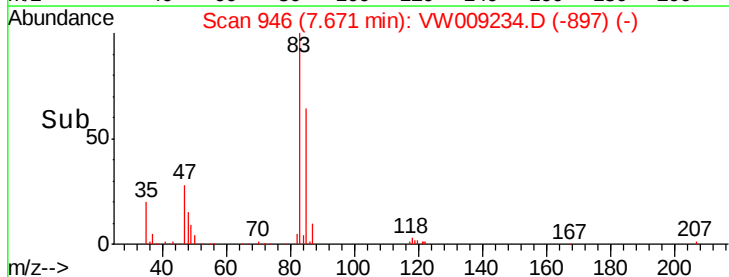
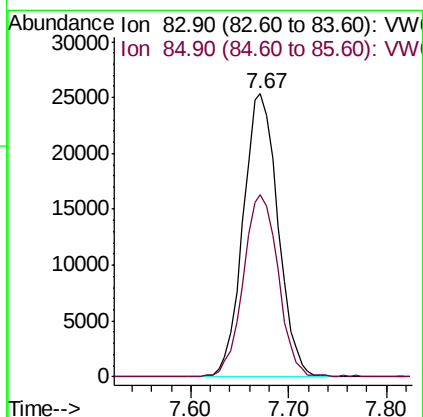
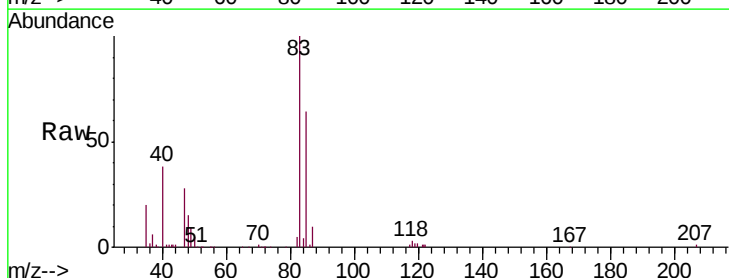
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

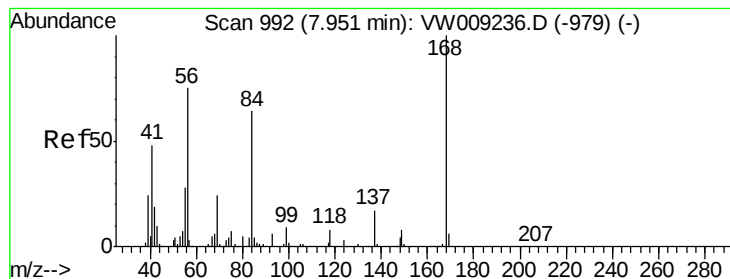
Tgt Ion: 42 Resp: 28851
Ion Ratio Lower Upper
42 100
72 38.9 32.4 48.6
71 39.0 30.1 45.1



#30
Chloroform
Concen: 10.474 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 83 Resp: 62486
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.6





#31

Cyclohexane

Concen: 10.766 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

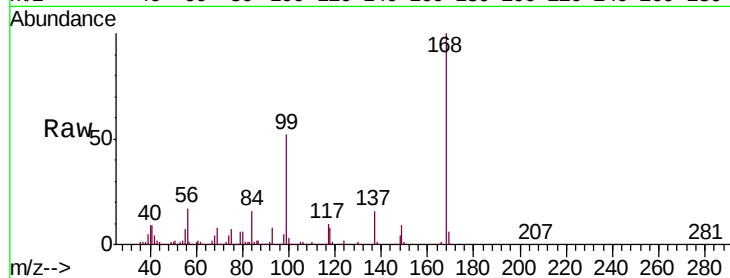
Tgt Ion: 56 Resp: 57551

Ion Ratio Lower Upper

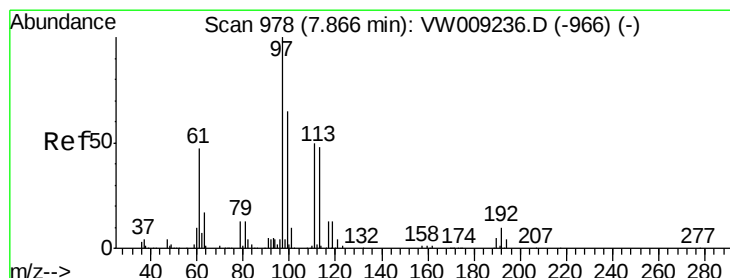
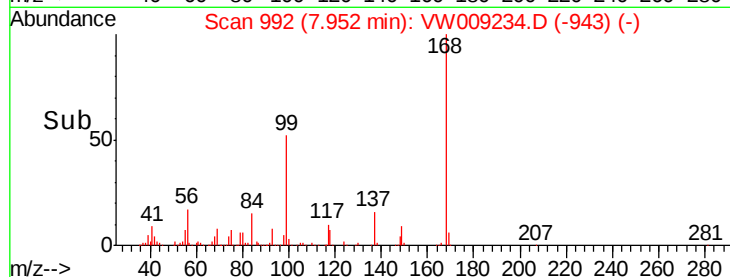
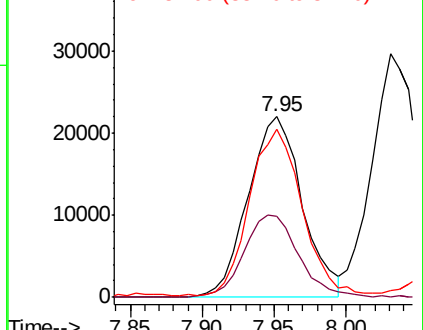
56 100

69 44.8 26.1 39.1#

84 92.0 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 10.384 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

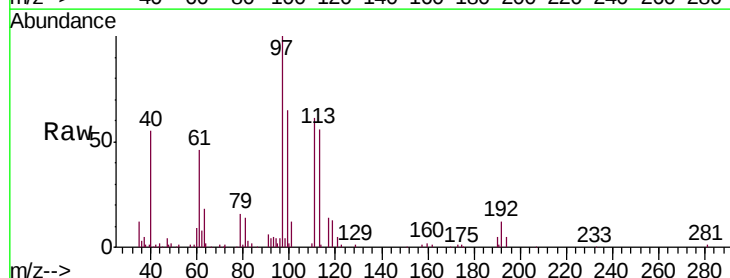
Tgt Ion: 97 Resp: 49447

Ion Ratio Lower Upper

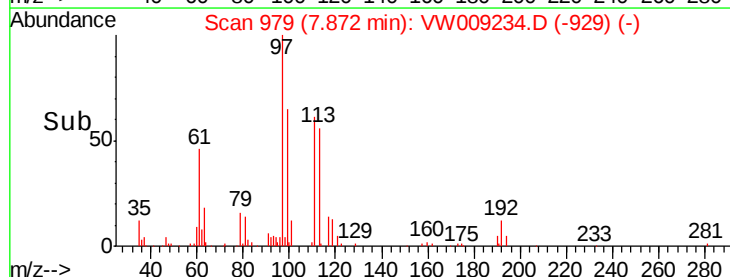
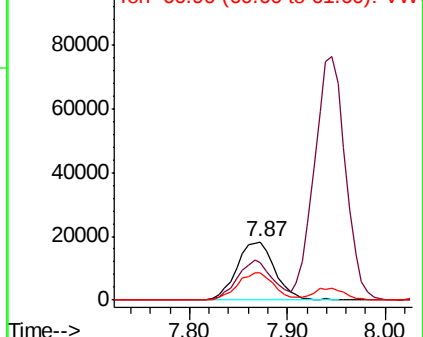
97 100

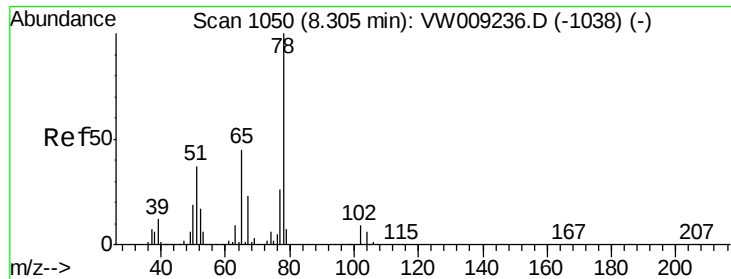
99 63.8 51.9 77.9

61 45.3 36.8 55.2



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

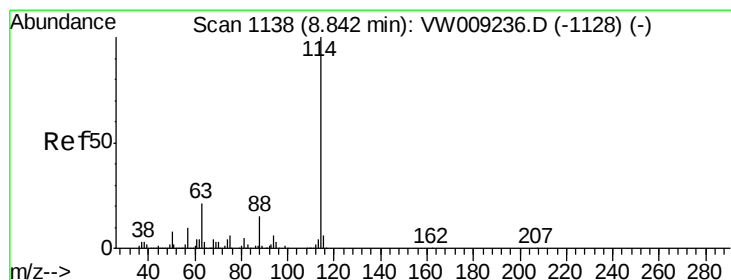
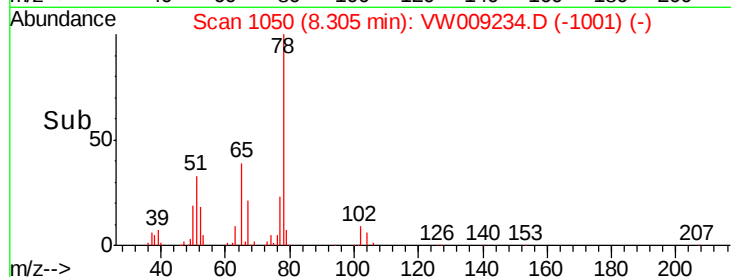
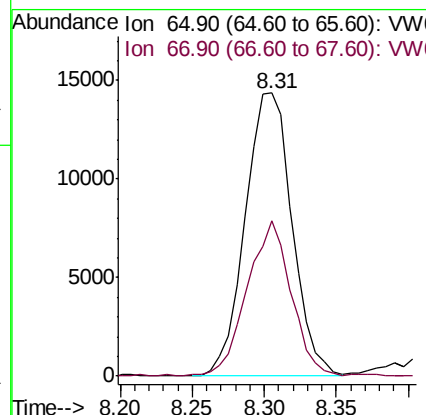
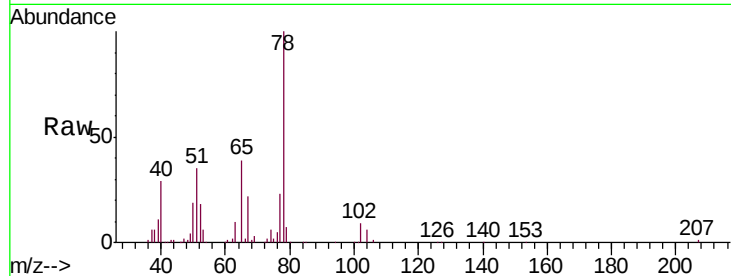




#33
 1,2-Dichloroethane-d4
 Concen: 9.925 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

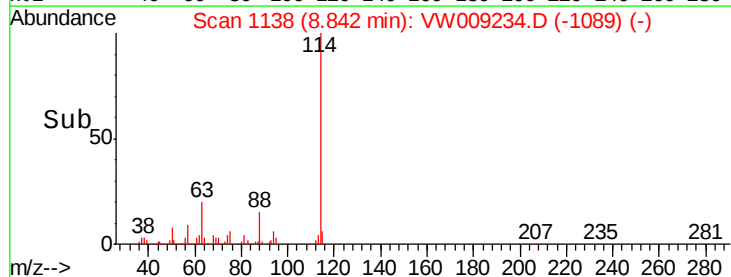
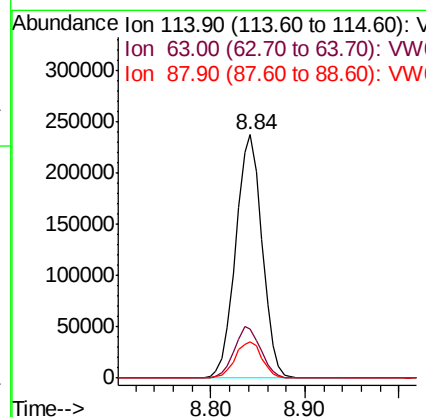
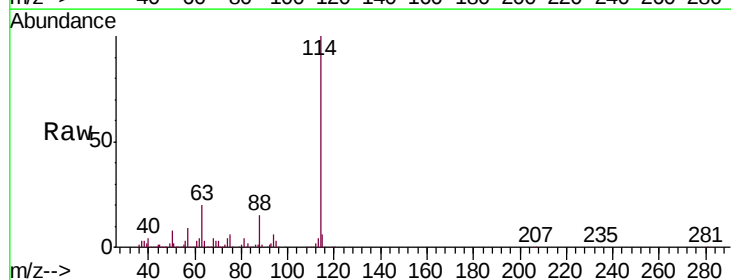
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

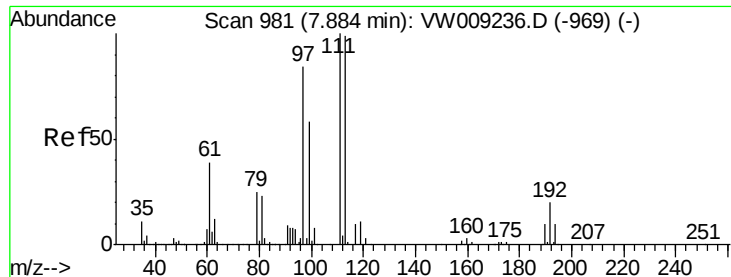
Tgt Ion: 65 Resp: 32337
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion: 114 Resp: 462599
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.2
 88 14.7 0.0 30.8

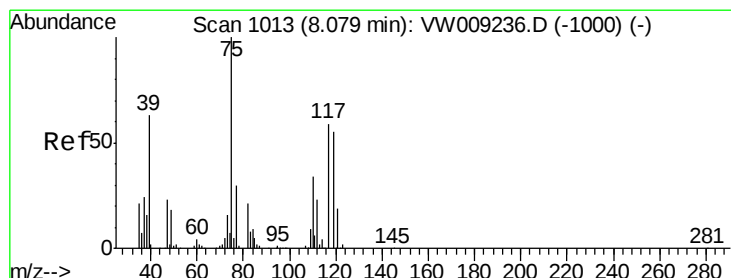
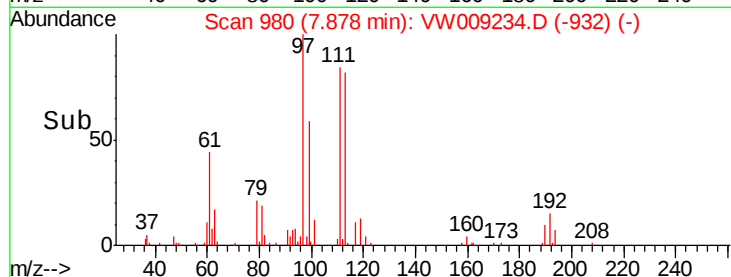
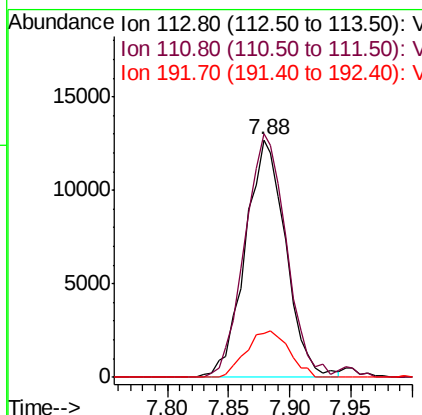
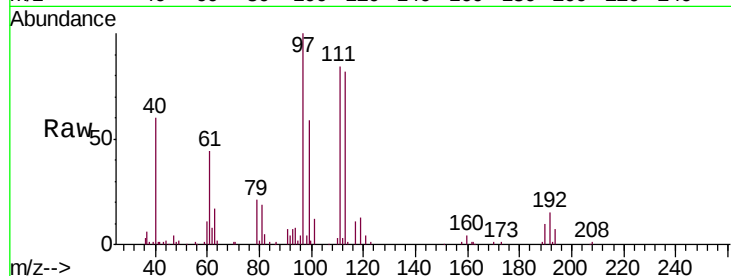




#35
 Dibromofluoromethane
 Concen: 9.968 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

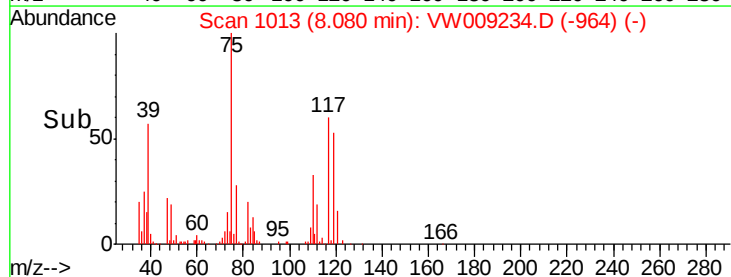
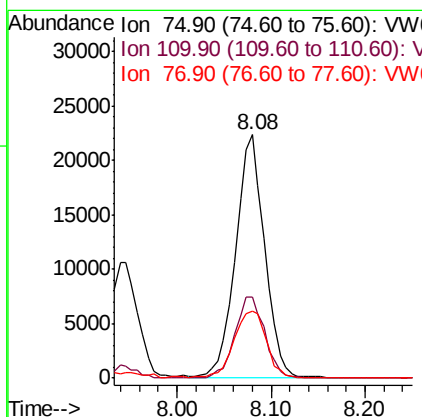
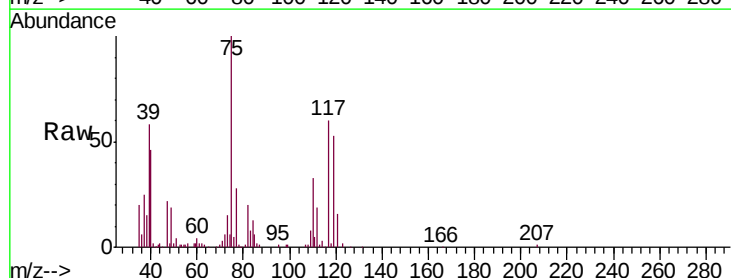
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

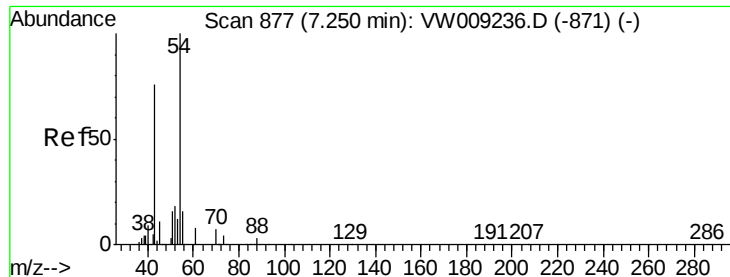
Tgt Ion:113 Resp: 29250
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.6 124.0
 192 20.7 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 10.464 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion: 75 Resp: 48168
 Ion Ratio Lower Upper
 75 100
 110 33.8 16.8 50.4
 77 30.6 24.6 36.8

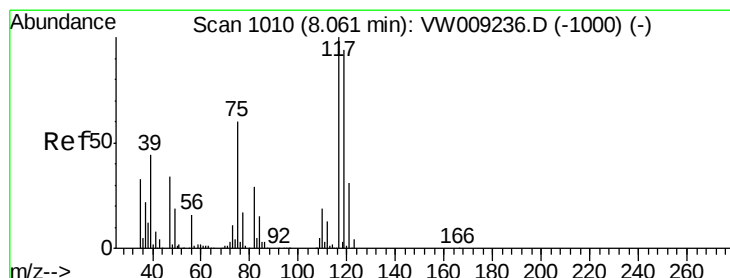
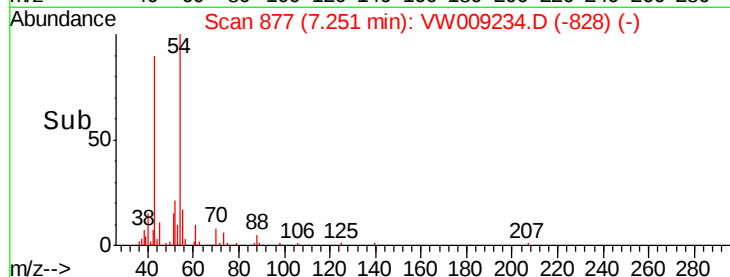
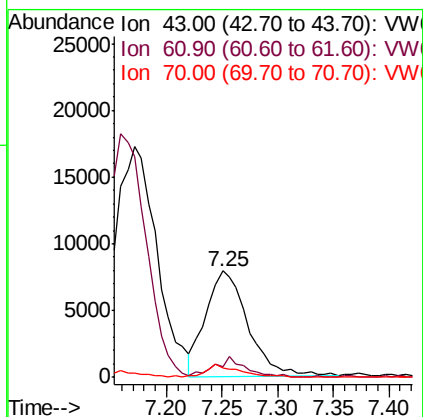
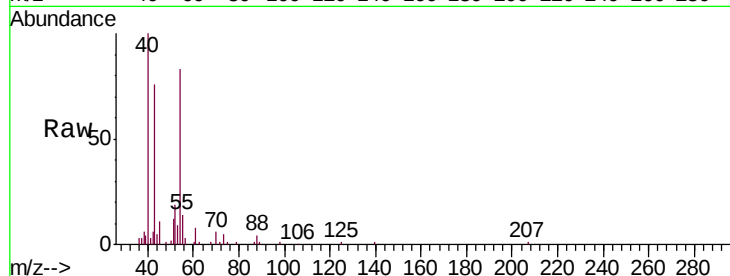




#37
Ethyl Acetate
Concen: 9.953 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

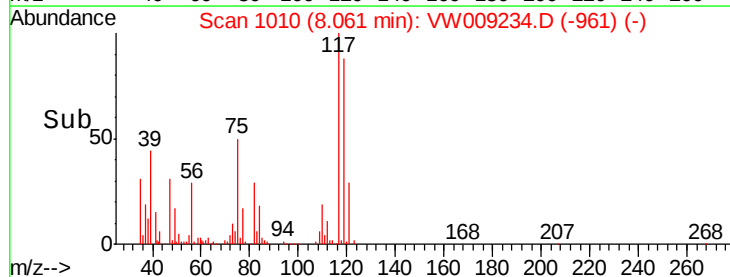
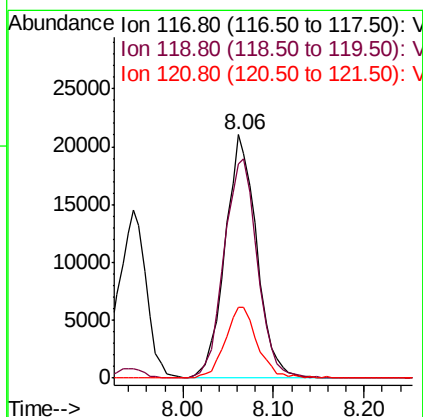
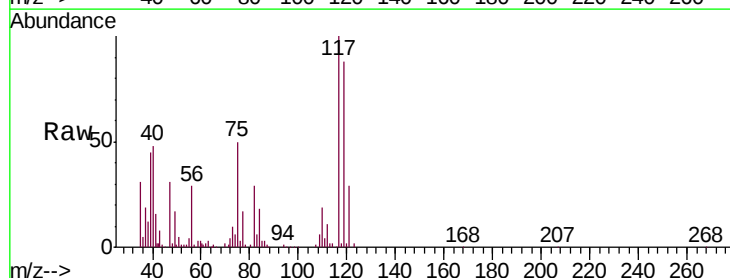
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

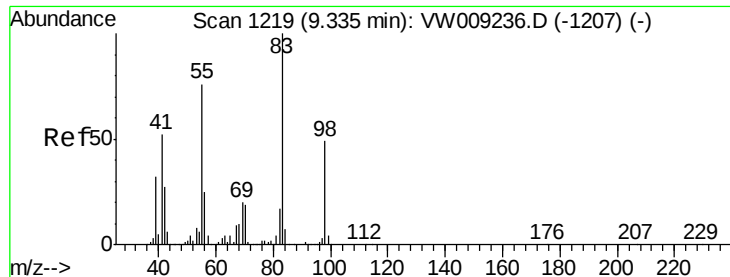
Tgt Ion: 43 Resp: 20906
Ion Ratio Lower Upper
43 100
61 14.3 10.0 15.0
70 9.6 7.3 10.9



#38
Carbon Tetrachloride
Concen: 10.429 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 117 Resp: 50804
Ion Ratio Lower Upper
117 100
119 87.8 75.4 113.0
121 29.0 24.9 37.3

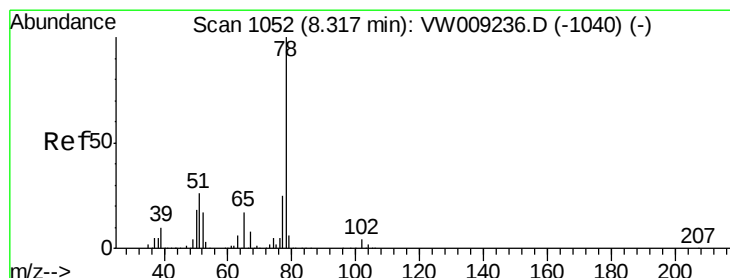
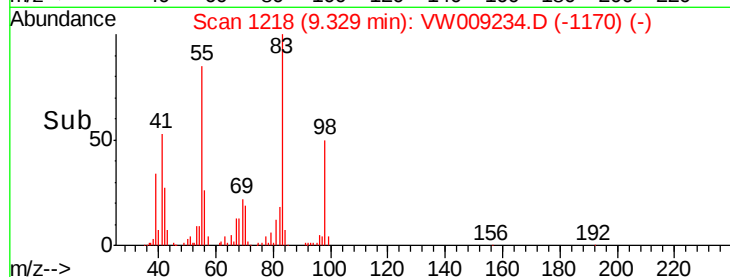
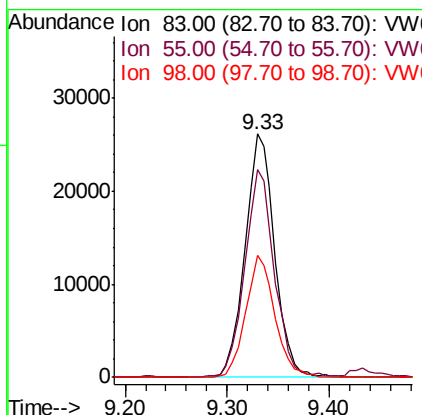
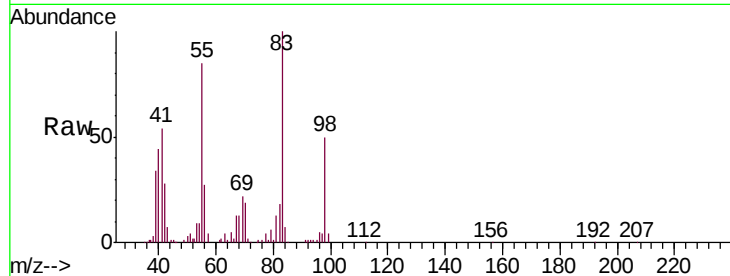




#39
Methylcyclohexane
Concen: 9.888 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

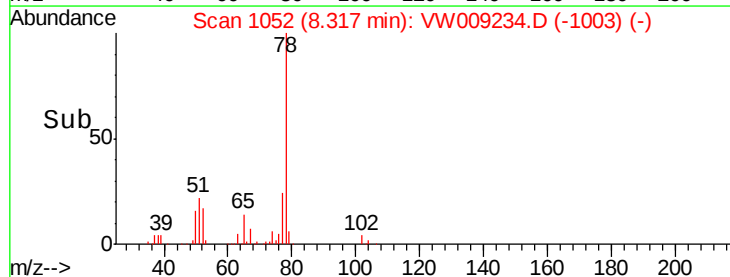
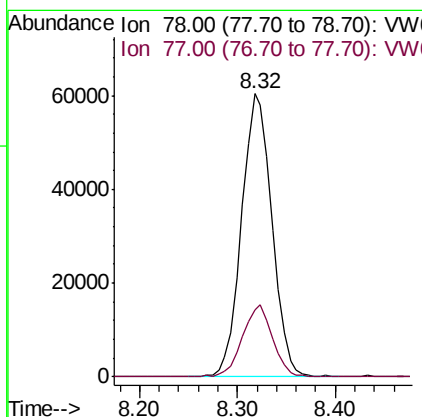
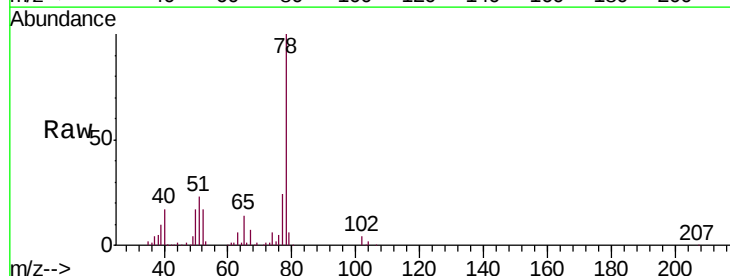
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

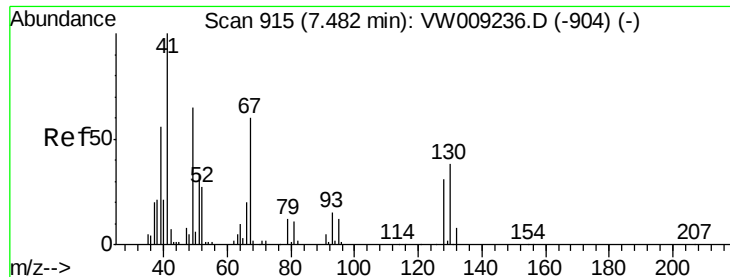
Tgt Ion: 83 Resp: 52661
Ion Ratio Lower Upper
83 100
55 85.1 61.1 91.7
98 50.0 39.0 58.4



#40
Benzene
Concen: 10.385 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 78 Resp: 129640
Ion Ratio Lower Upper
78 100
77 23.8 19.8 29.6

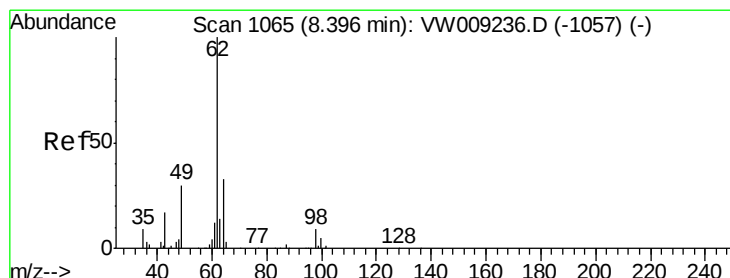
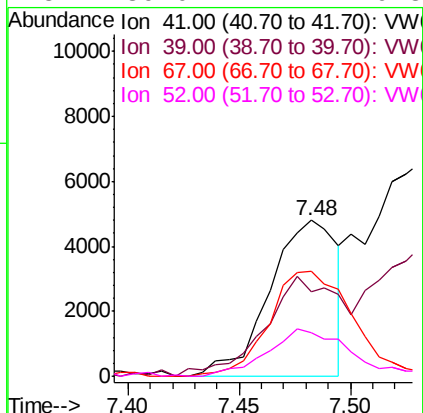
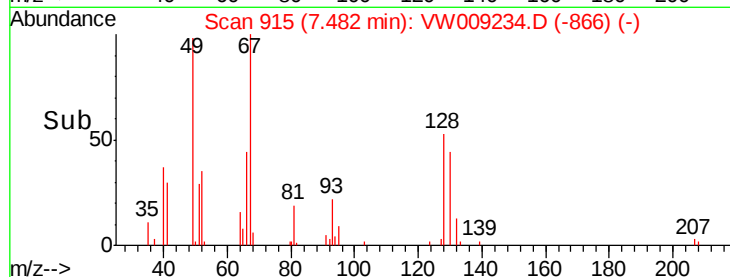
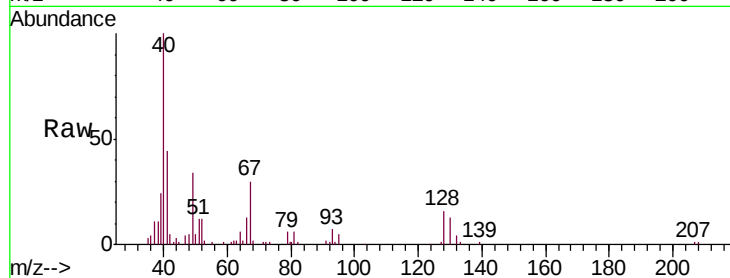




#41
Methacrylonitrile
Concen: 8.959 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

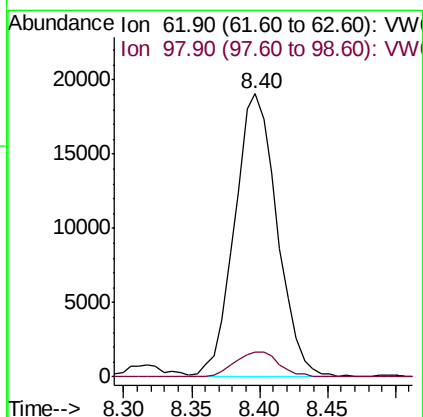
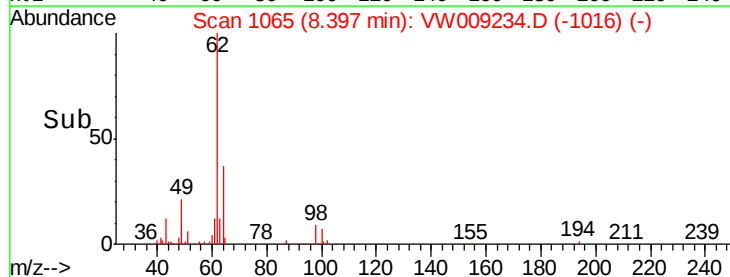
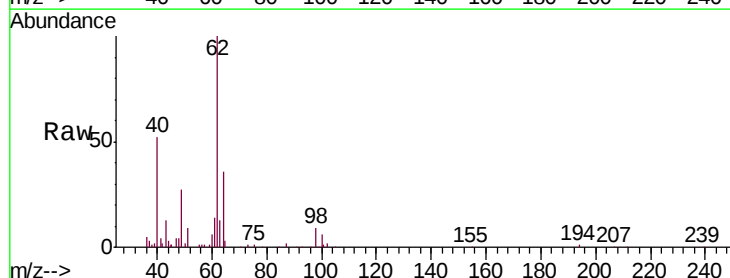
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

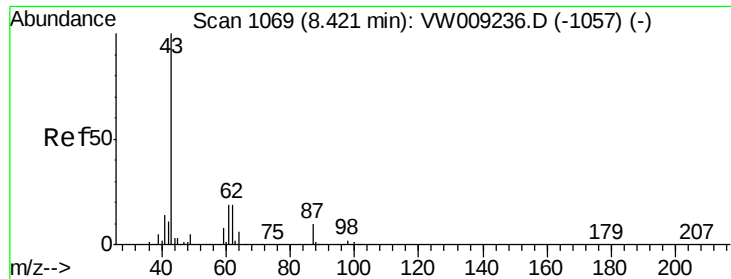
Tgt Ion:	41	Resp:	10143
Ion	Ratio	Lower	Upper
41	100		
39	72.2	52.5	78.7
67	83.1	56.6	84.8
52	39.0	27.2	40.8



#42
1,2-Dichloroethane
Concen: 10.222 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion:	62	Resp:	41714
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.4





#43

Isopropyl Acetate

Concen: 9.740 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

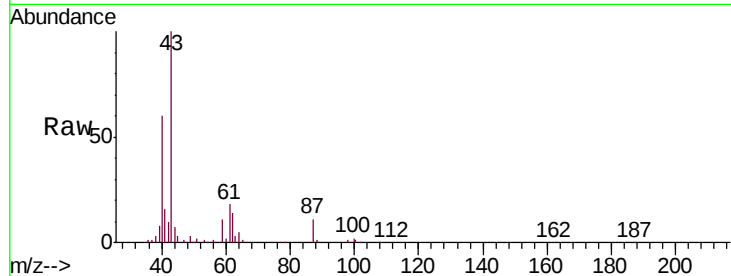
Tgt Ion: 43 Resp: 40970

Ion Ratio Lower Upper

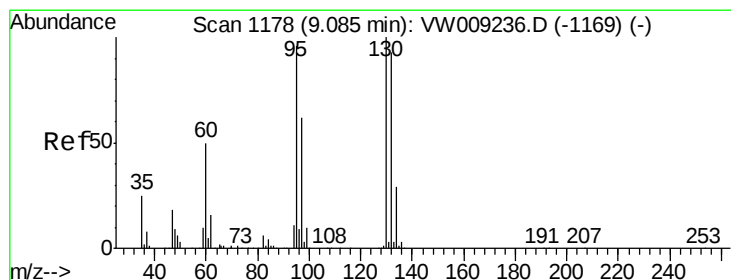
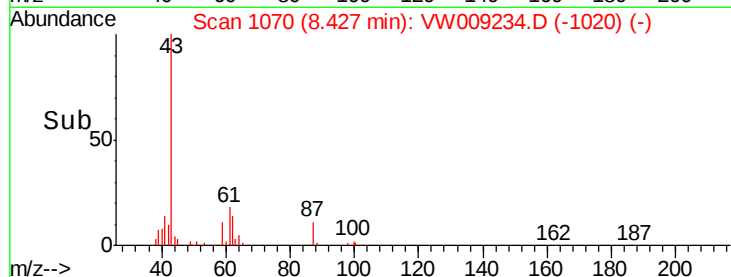
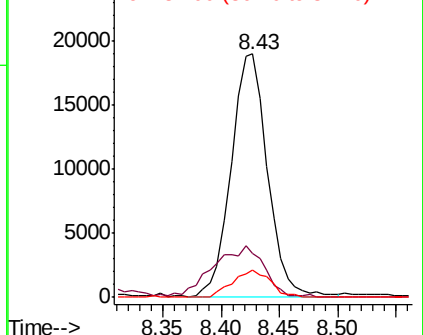
43 100

61 28.3 22.2 33.2

87 11.7 9.6 14.4



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: 10.384 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009234.D

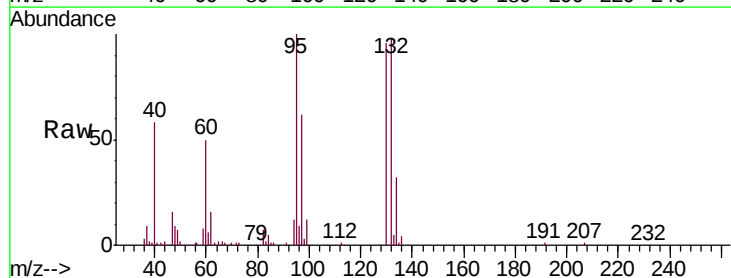
Acq: 19 Mar 2019 11:24

Tgt Ion: 130 Resp: 35511

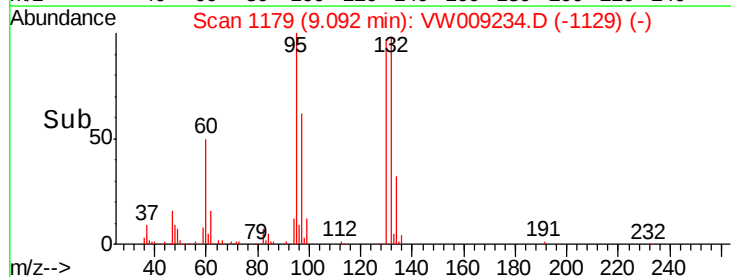
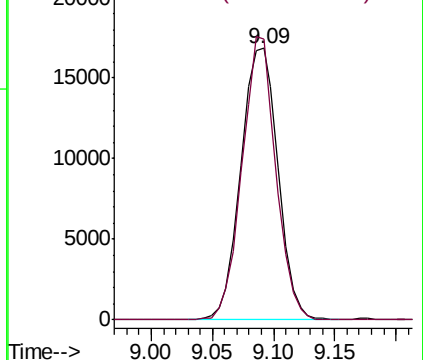
Ion Ratio Lower Upper

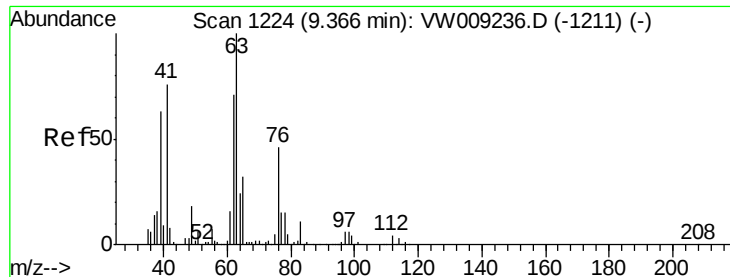
130 100

95 103.7 0.0 192.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 10.249 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

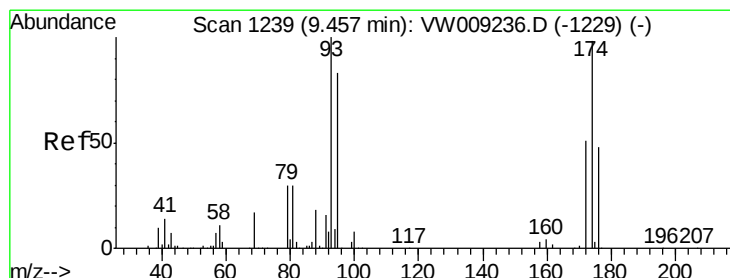
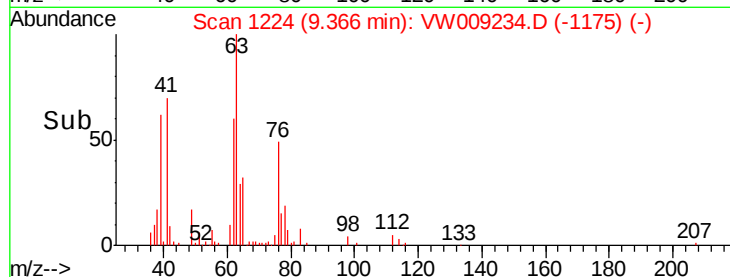
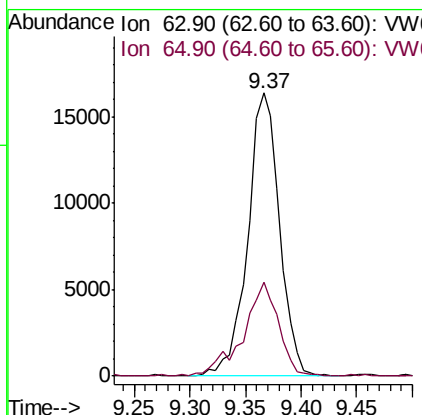
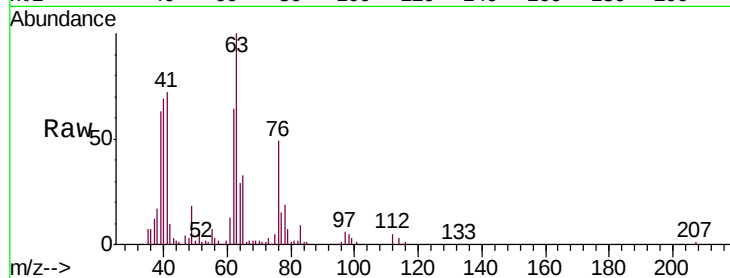
VSTDIC010

Tgt Ion: 63 Resp: 32524

Ion Ratio Lower Upper

63 100

65 33.2 25.8 38.8



#46

Dibromomethane

Concen: 10.330 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

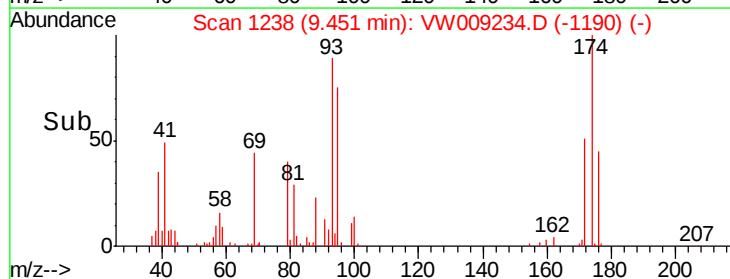
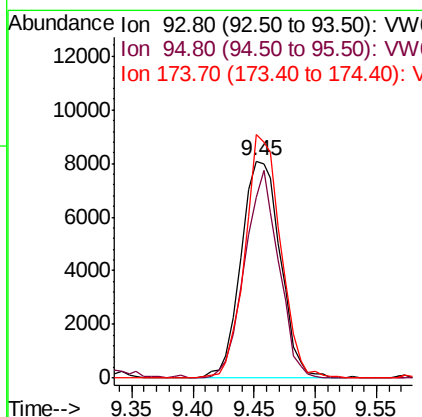
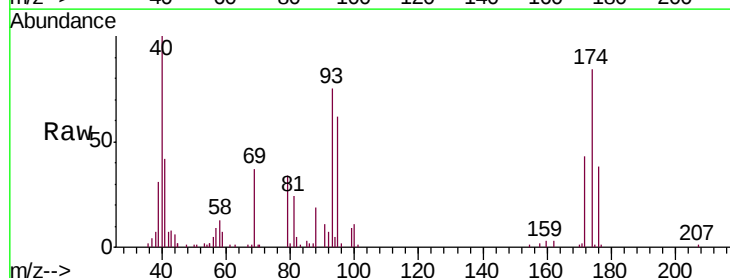
Tgt Ion: 93 Resp: 18026

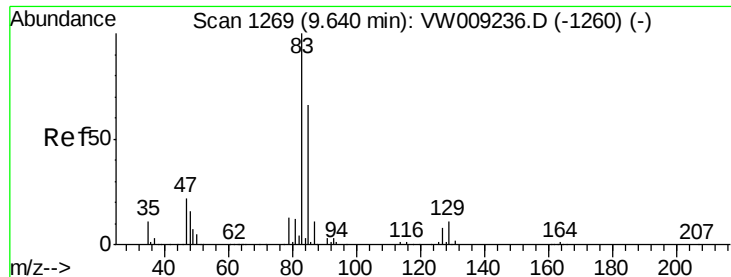
Ion Ratio Lower Upper

93 100

95 82.9 66.9 100.3

174 102.4 80.8 121.2

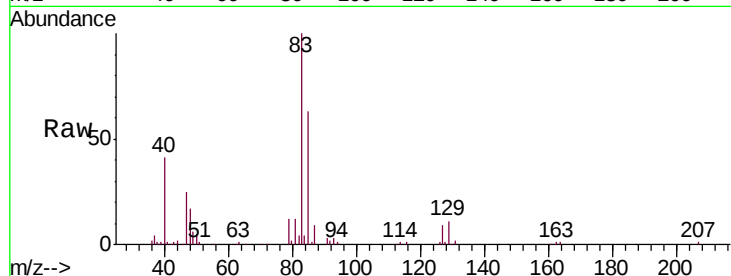




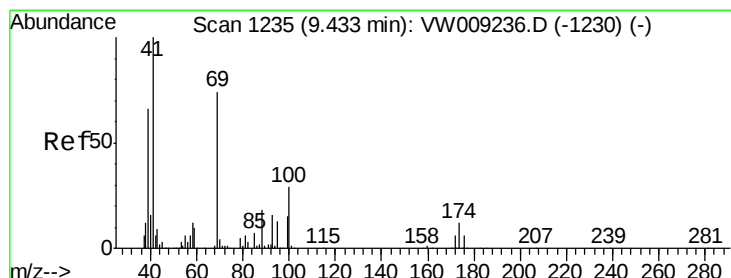
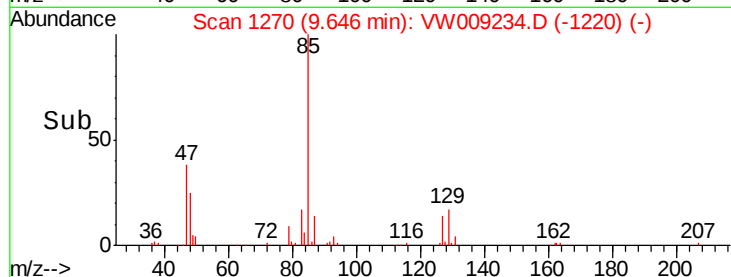
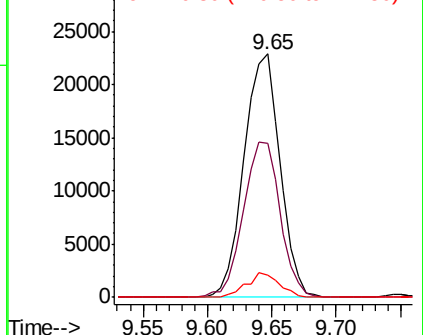
#47
Bromodichloromethane
Concen: 10.003 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 44108
Ion Ratio Lower Upper
83 100
85 63.4 52.6 79.0
127 8.9 6.5 9.7

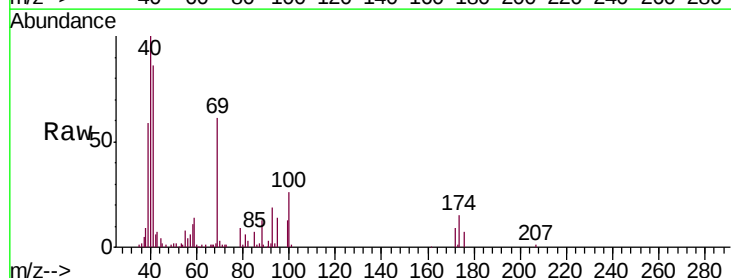


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

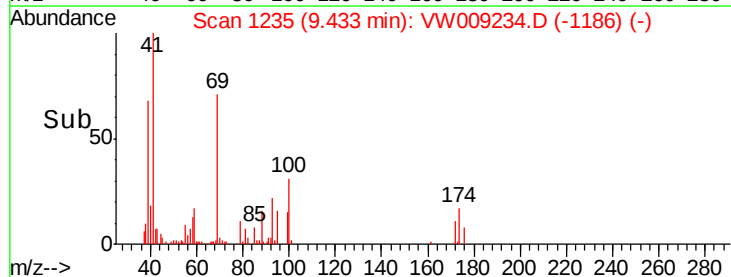
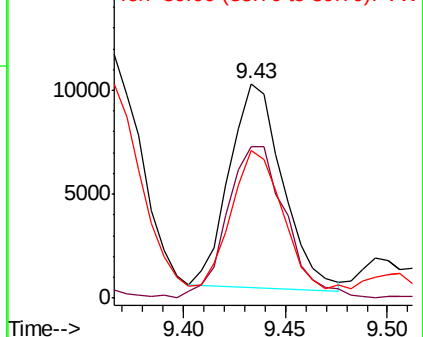


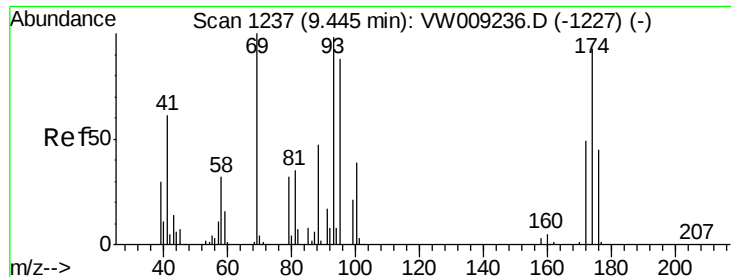
#48
Methyl methacrylate
Concen: 9.197 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 41 Resp: 17910
Ion Ratio Lower Upper
41 100
69 81.2 63.0 94.6
39 64.6 57.2 85.8



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

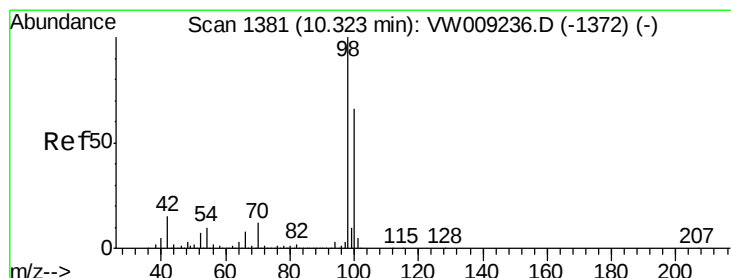
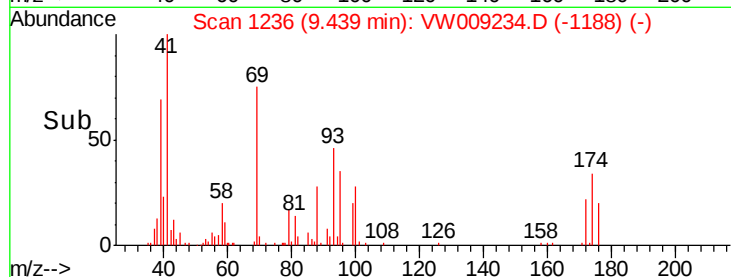
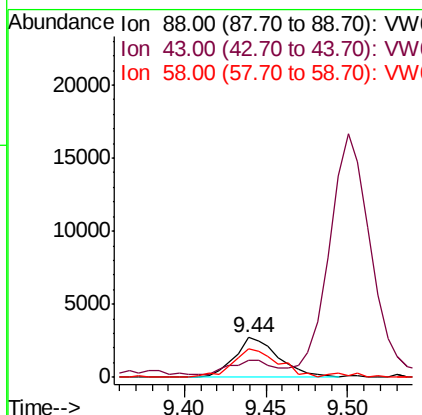
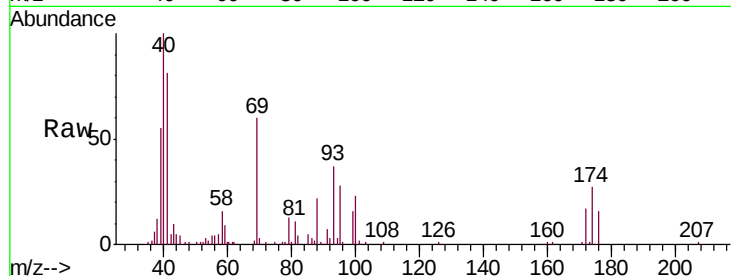




#49
1,4-Dioxane
Concen: 187.280 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

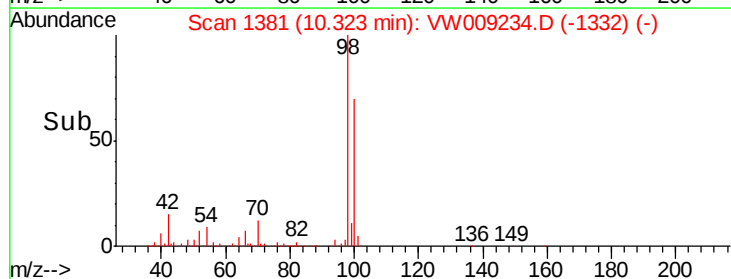
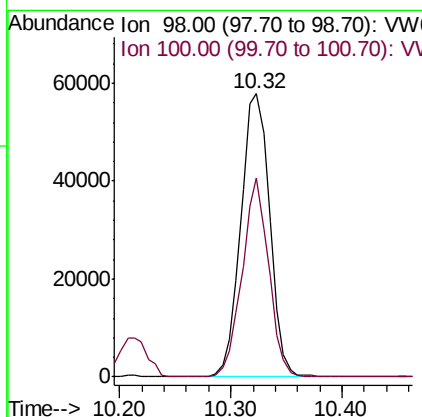
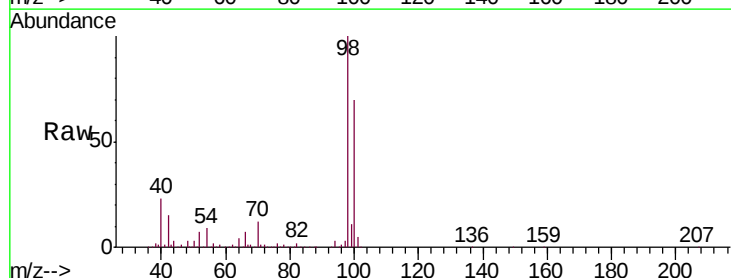
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

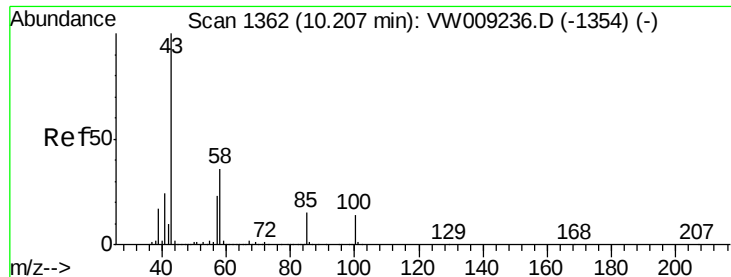
Tgt Ion: 88 Resp: 5069
Ion Ratio Lower Upper
88 100
43 39.0 29.7 44.5
58 73.0 58.1 87.1



#50
Toluene-d8
Concen: 9.793 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 98 Resp: 104437
Ion Ratio Lower Upper
98 100
100 64.2 52.6 79.0

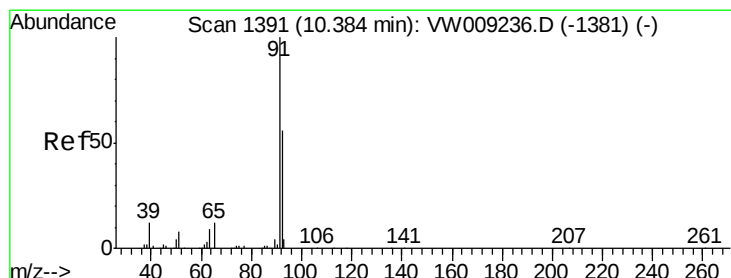
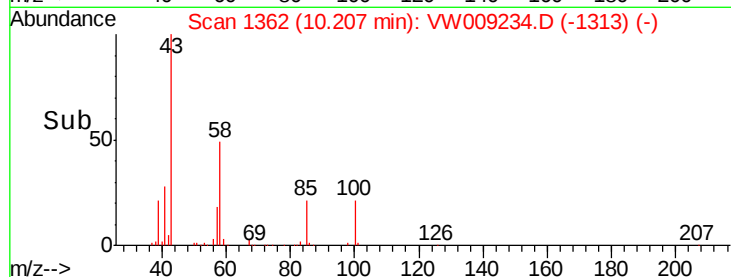
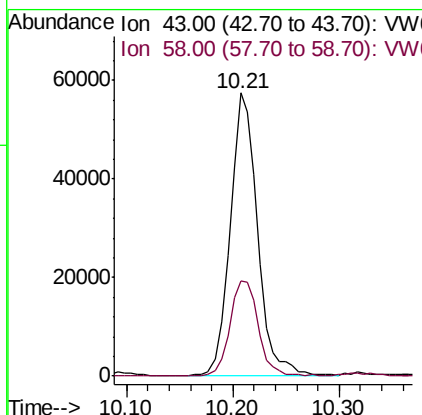
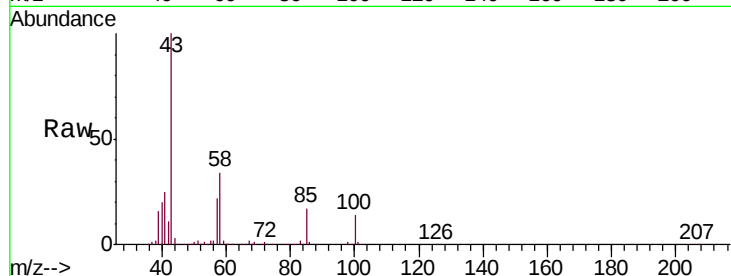




#51
 4-Methyl-2-Pentanone
 Concen: 47.099 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

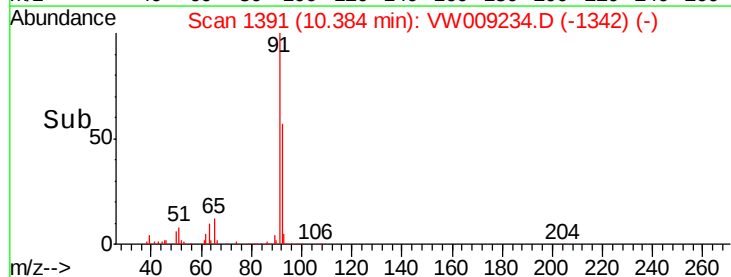
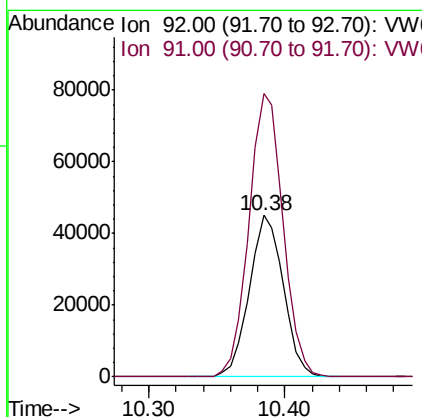
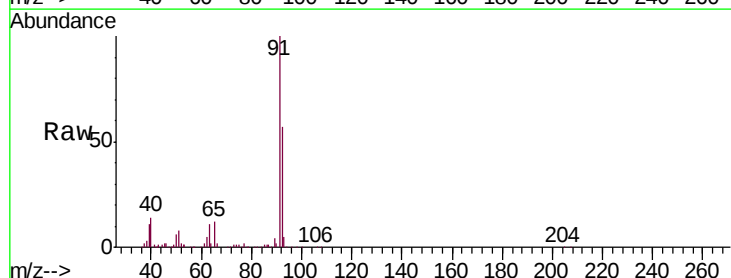
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

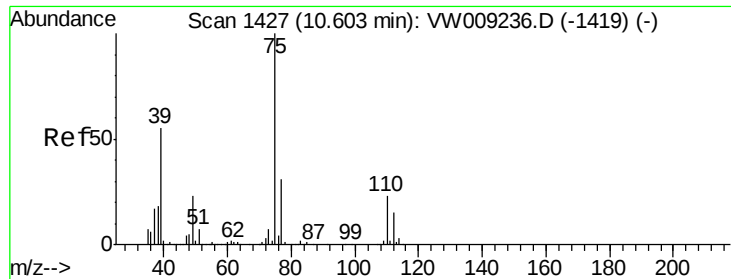
Tgt Ion: 43 Resp: 103246
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.6 42.8



#52
 Toluene
 Concen: 10.012 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion: 92 Resp: 79195
 Ion Ratio Lower Upper
 92 100
 91 175.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 9.700 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampled :

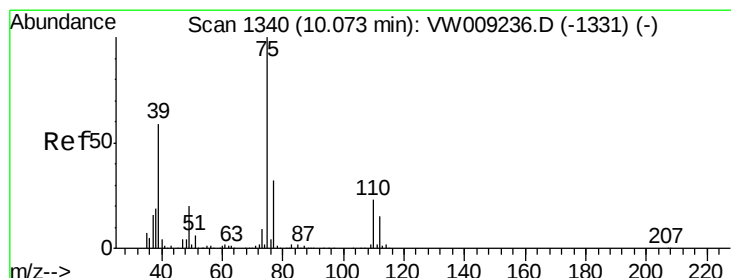
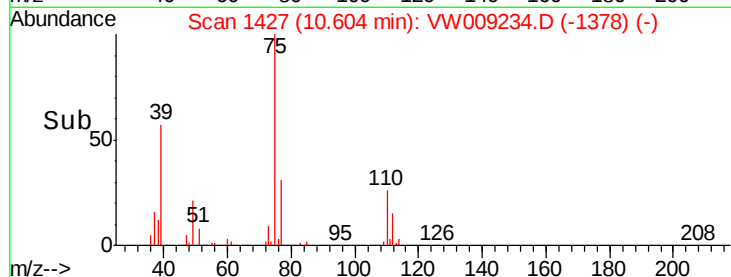
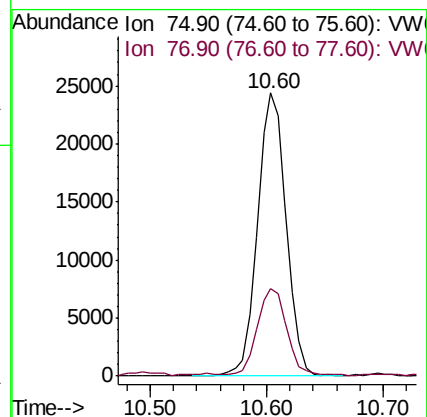
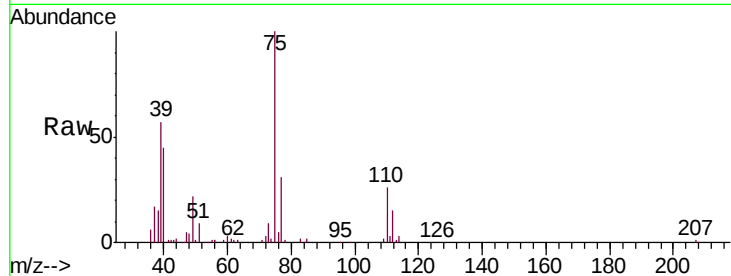
VSTDIC010

Tgt Ion: 75 Resp: 41713

Ion Ratio Lower Upper

75 100

77 30.3 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 9.806 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

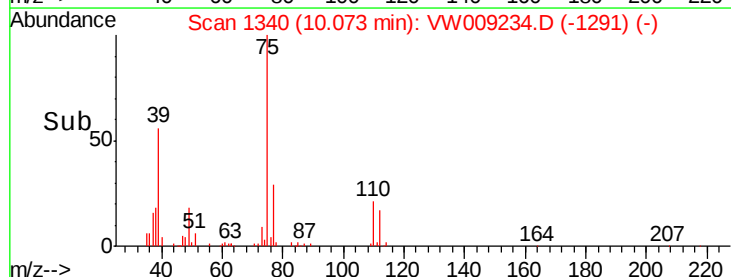
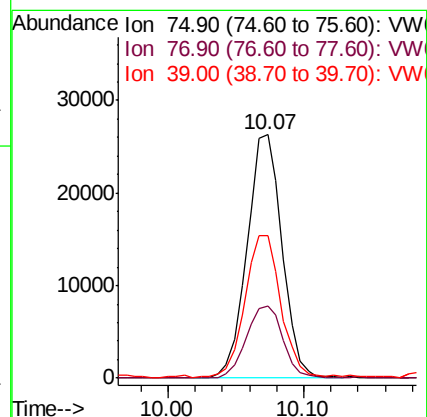
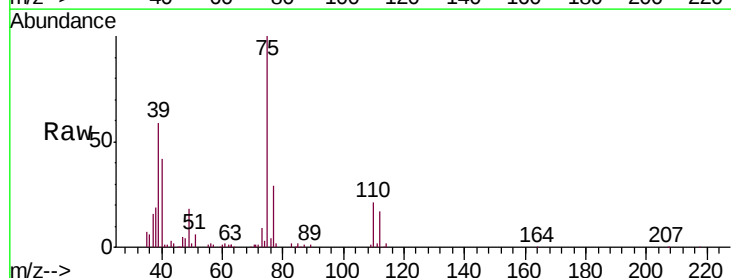
Tgt Ion: 75 Resp: 47439

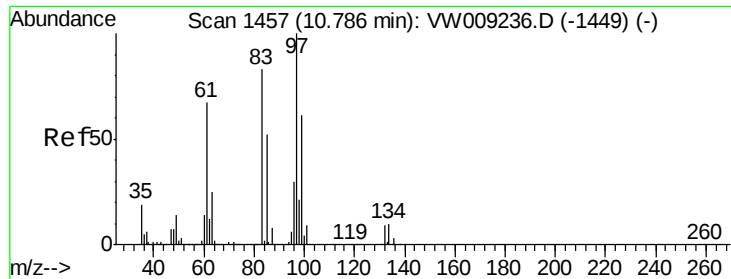
Ion Ratio Lower Upper

75 100

77 29.4 25.9 38.9

39 58.4 46.8 70.2

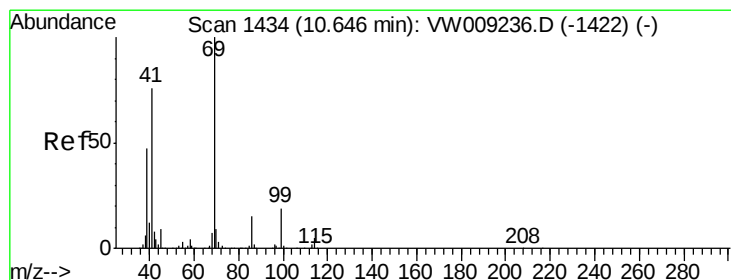
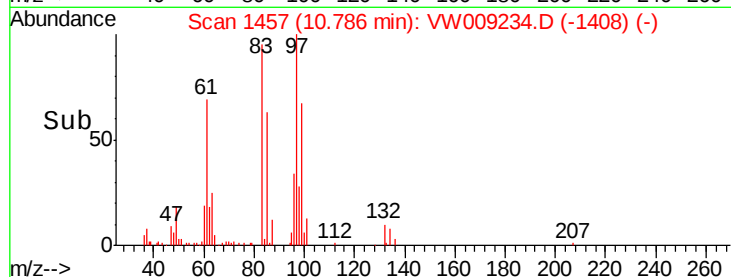
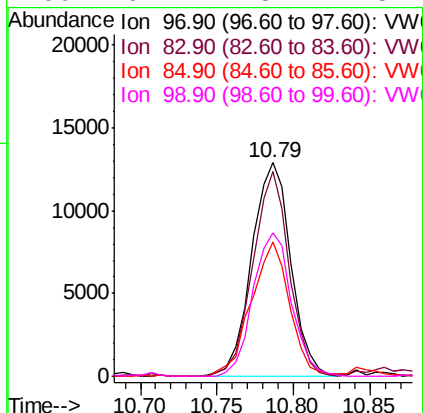
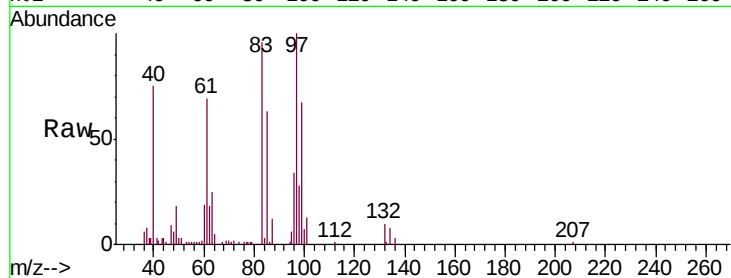




#55
 1,1,2-Trichloroethane
 Concen: 9.725 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

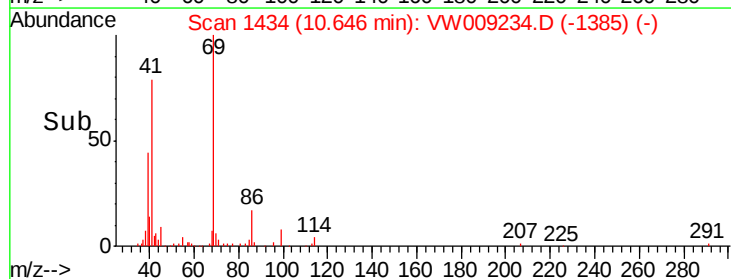
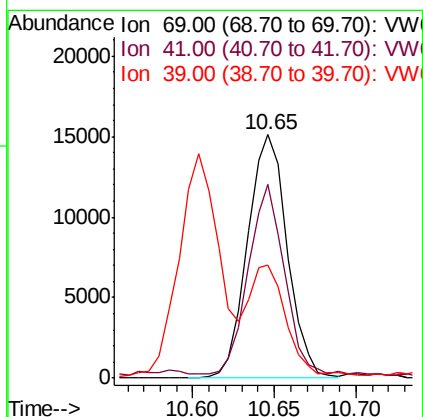
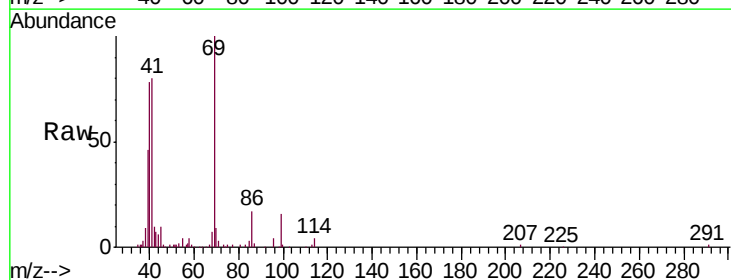
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

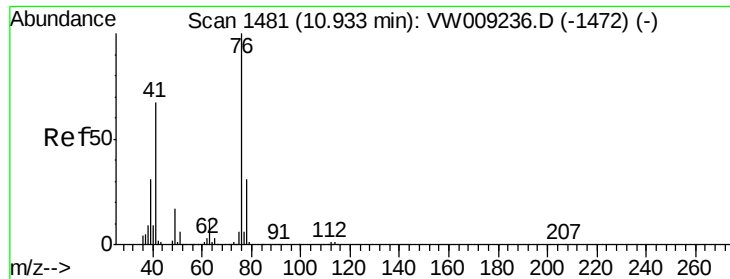
Tgt Ion:	97	Resp:	22979
Ion	Ratio	Lower	Upper
97	100		
83	96.1	66.3	99.5
85	63.2	41.4	62.2#
99	67.4	48.7	73.1



#56
 Ethyl methacrylate
 Concen: 9.094 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion:	69	Resp:	25587
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.3	88.9
39	43.5	36.2	54.2

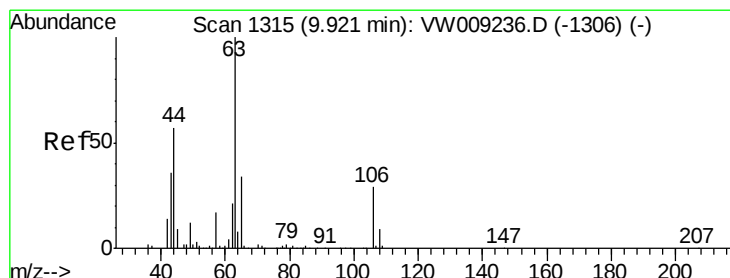
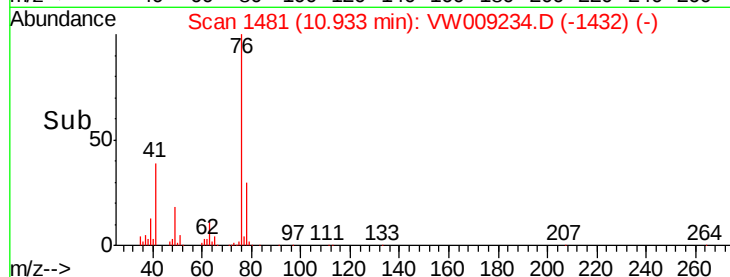
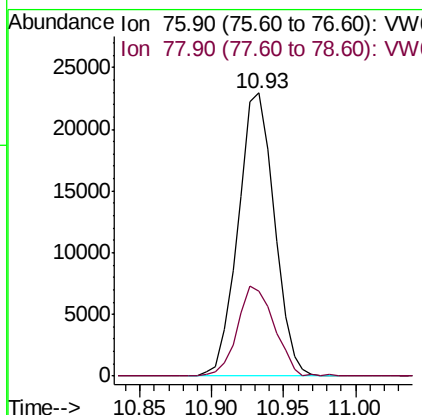
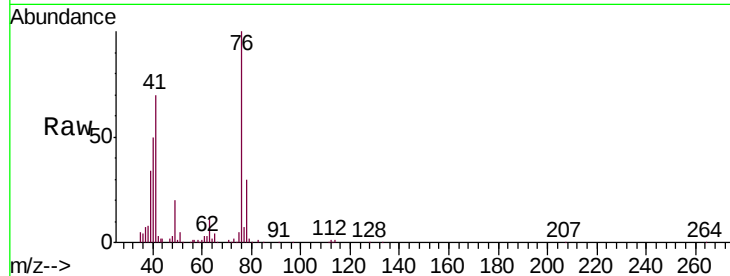




#57
 1,3-Dichloropropane
 Concen: 9.828 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

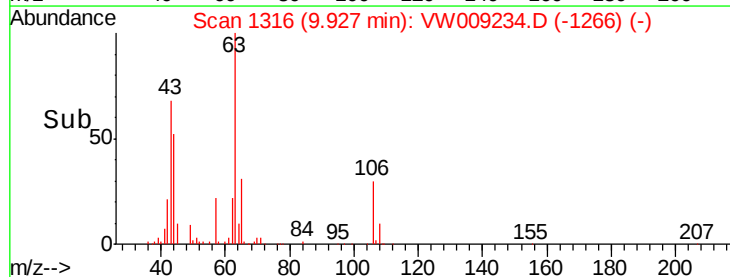
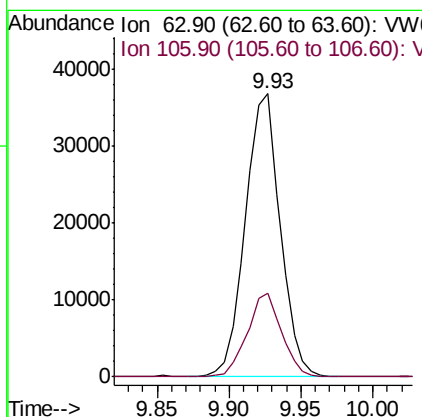
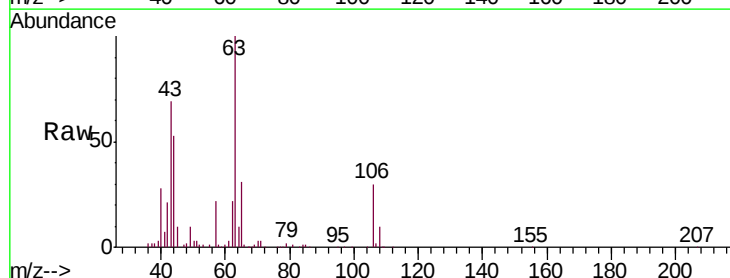
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

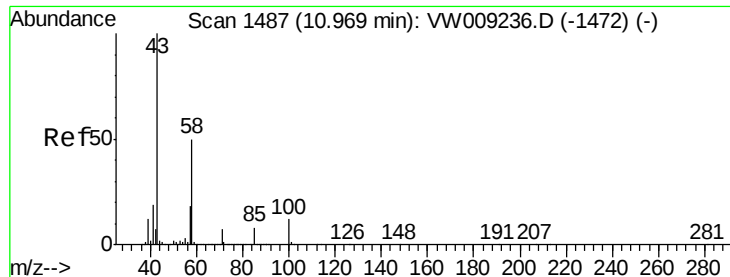
Tgt Ion: 76 Resp: 40052
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 74.895 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion: 63 Resp: 61658
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.9 34.3

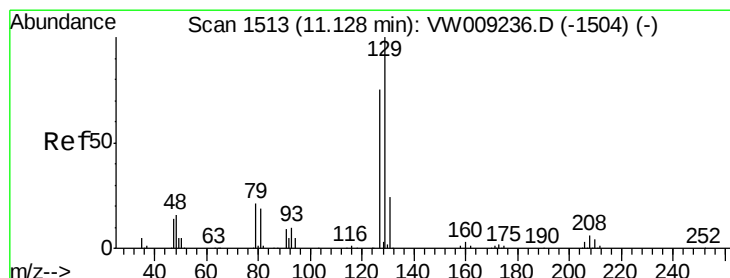
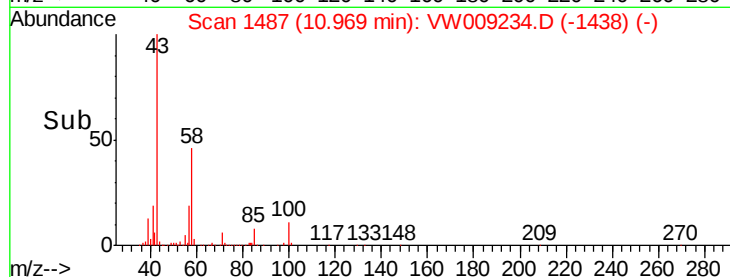
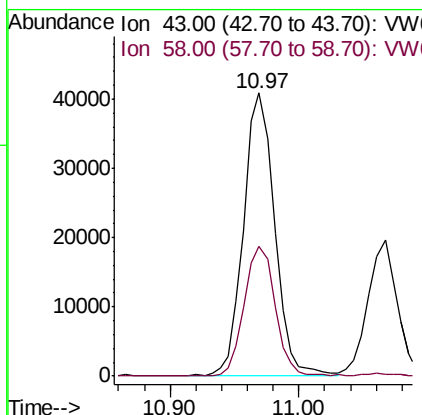
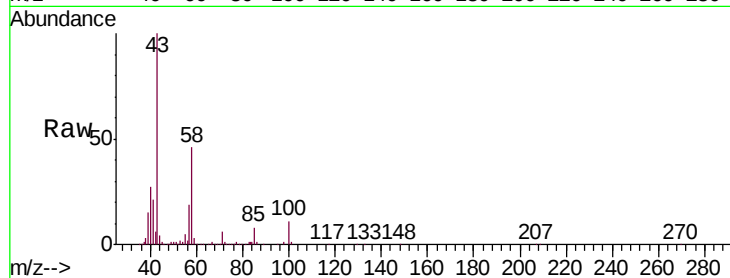




#59
2-Hexanone
Concen: 46.028 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

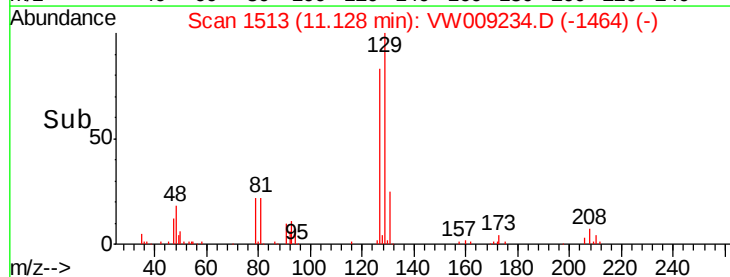
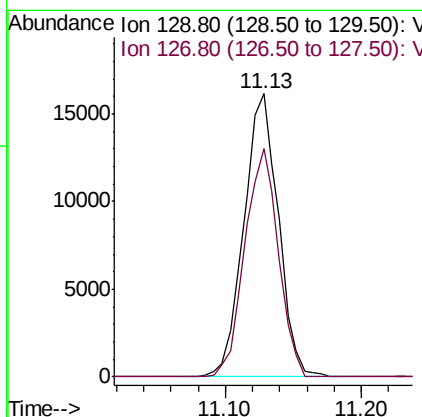
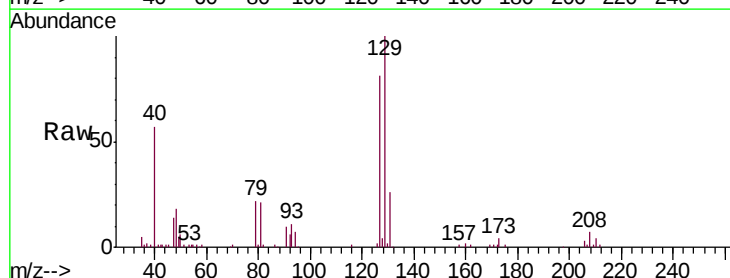
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

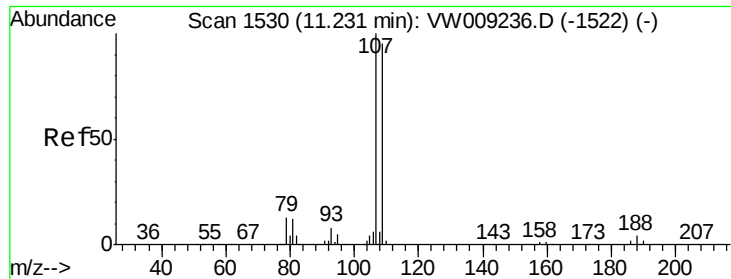
Tgt Ion: 43 Resp: 68499
Ion Ratio Lower Upper
43 100
58 45.5 24.2 72.6



#60
Dibromochloromethane
Concen: 9.812 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 129 Resp: 28645
Ion Ratio Lower Upper
129 100
127 78.4 38.1 114.5

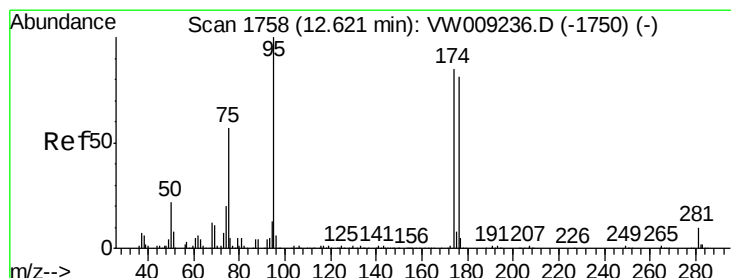
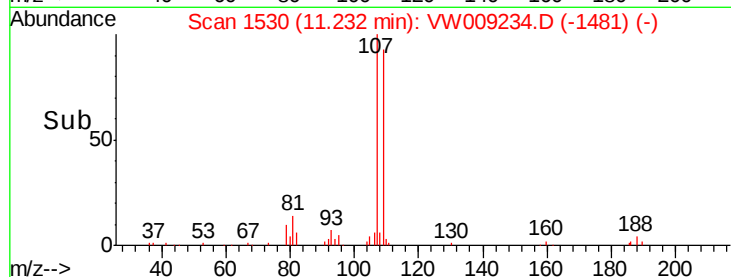
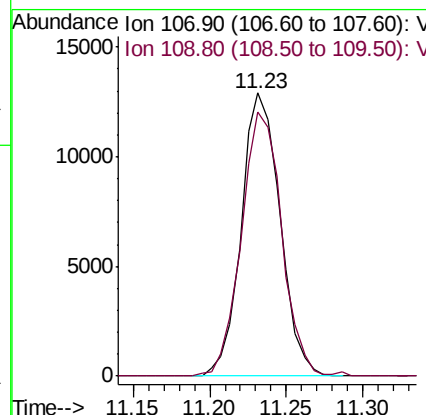
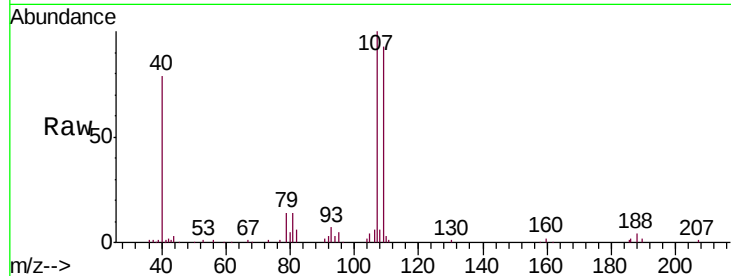




#61
 1,2-Dibromoethane
 Concen: 10.072 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

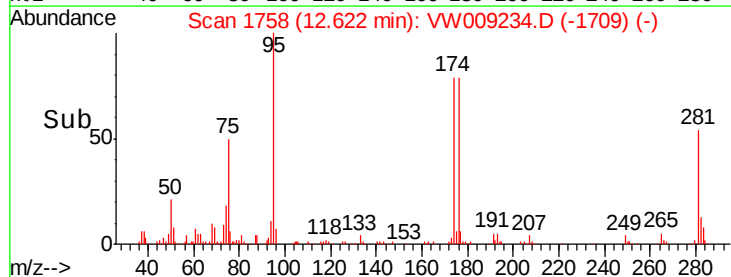
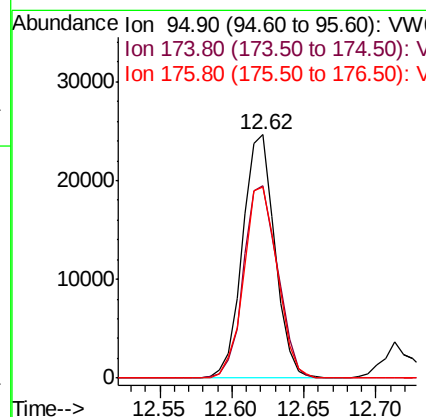
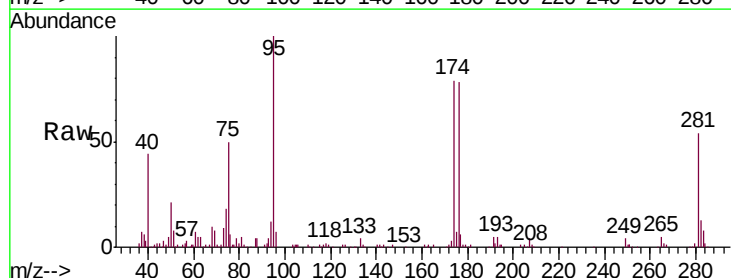
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

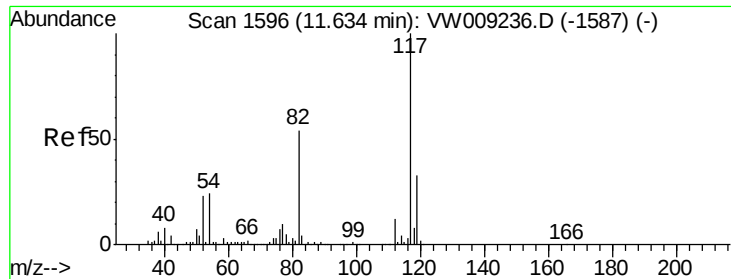
Tgt Ion: 107 Resp: 22668
 Ion Ratio Lower Upper
 107 100
 109 97.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 9.779 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion: 95 Resp: 38291
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 168.4
 176 81.8 0.0 161.6

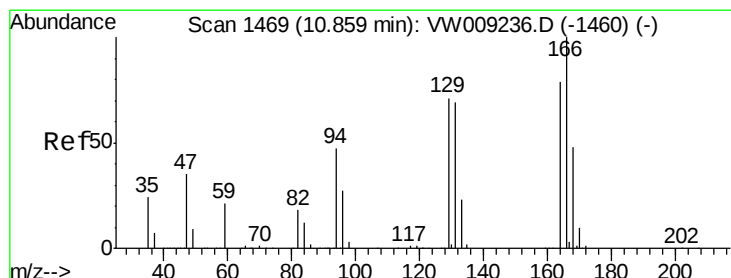
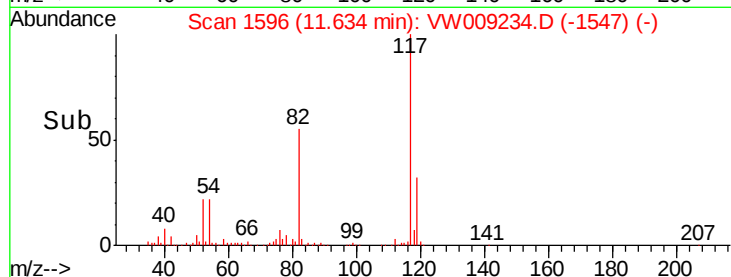
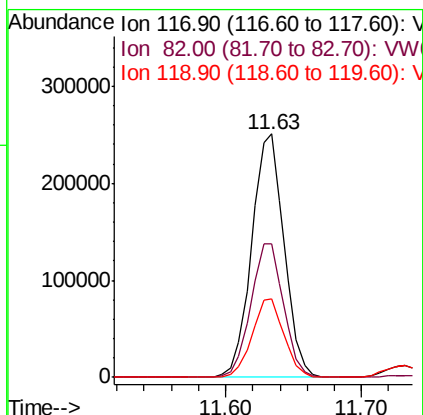
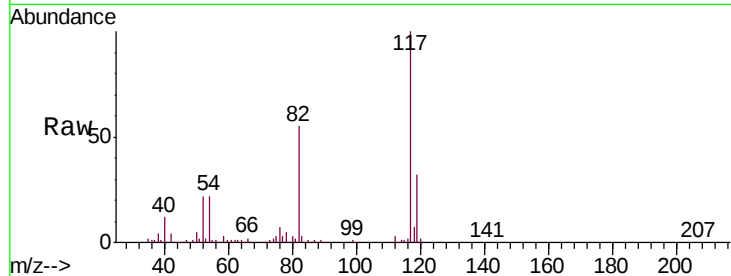




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

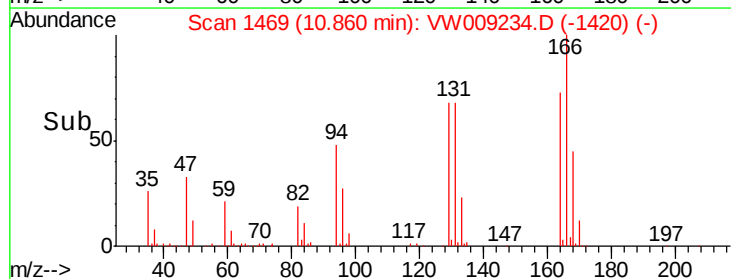
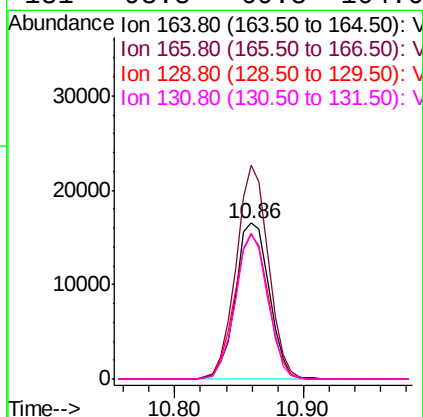
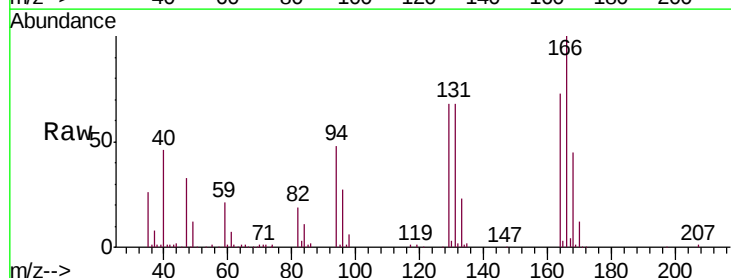
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

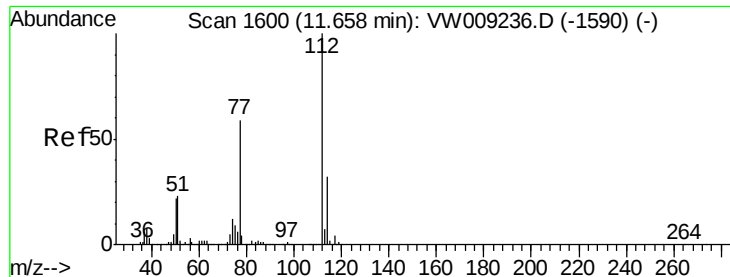
Tgt Ion:117 Resp: 419483
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 10.436 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion:164 Resp: 29980
Ion Ratio Lower Upper
164 100
166 137.3 100.9 151.3
129 93.4 72.0 108.0
131 93.8 69.8 104.6





#65

Chlorobenzene

Concen: 10.356 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

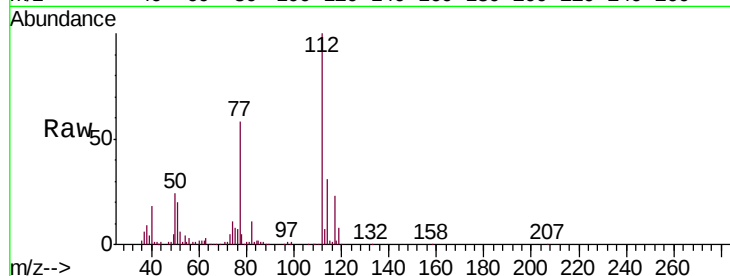
VSTDIC010

Tgt Ion:112 Resp: 89846

Ion Ratio Lower Upper

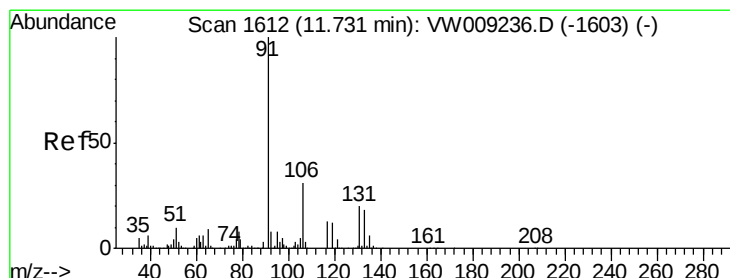
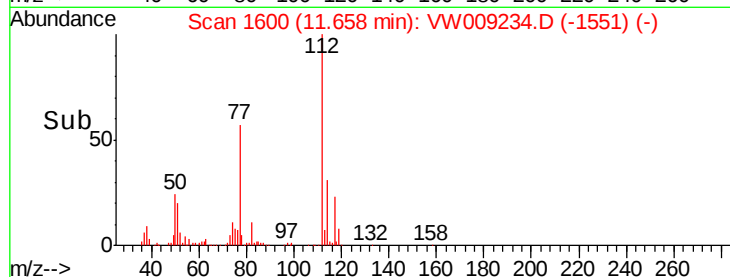
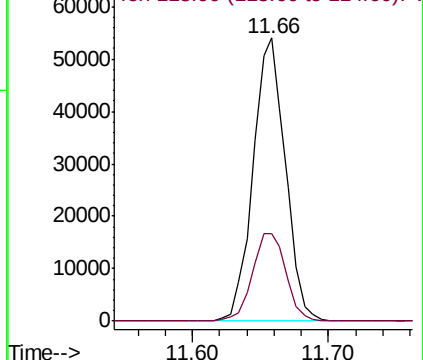
112 100

114 30.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.455 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

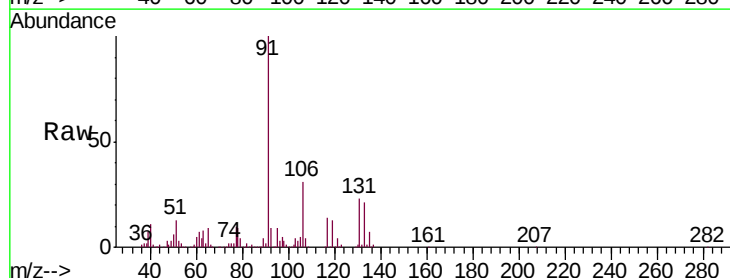
Tgt Ion:131 Resp: 33878

Ion Ratio Lower Upper

131 100

133 91.2 47.3 141.8

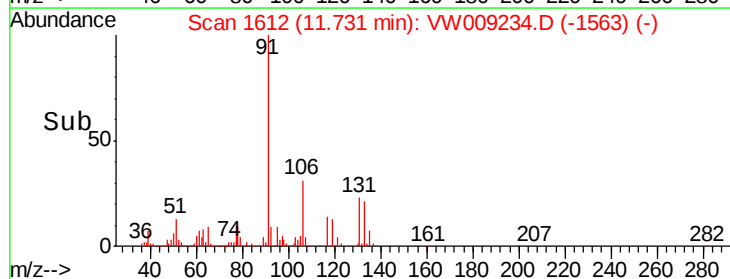
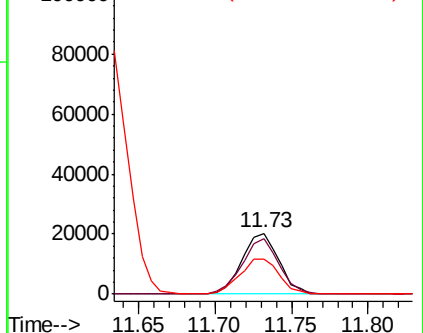
119 62.1 31.6 95.0

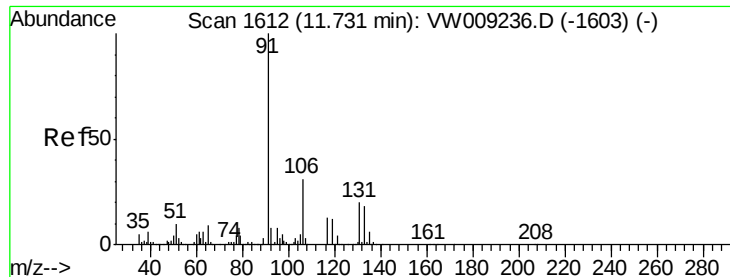


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

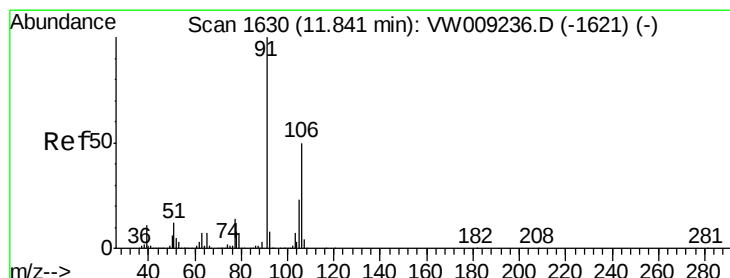
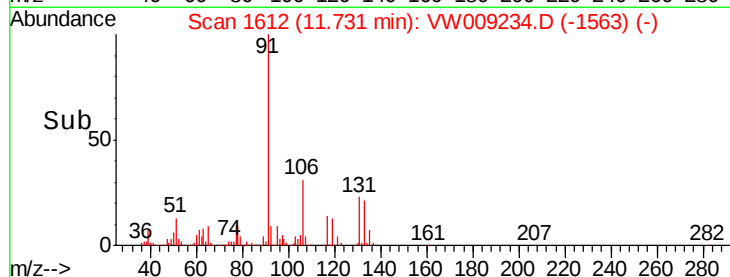
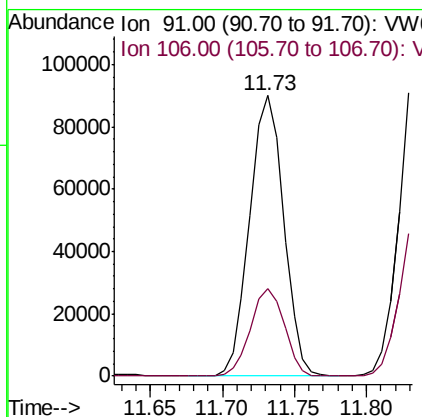
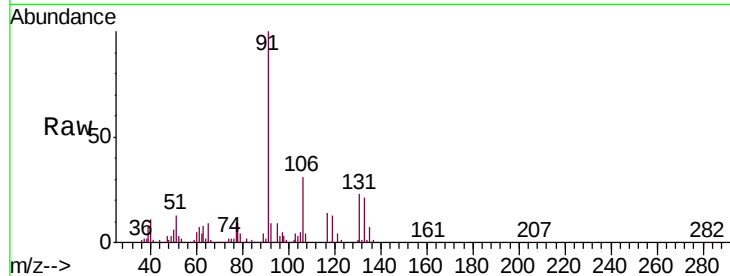




#67
Ethyl Benzene
Concen: 9.810 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

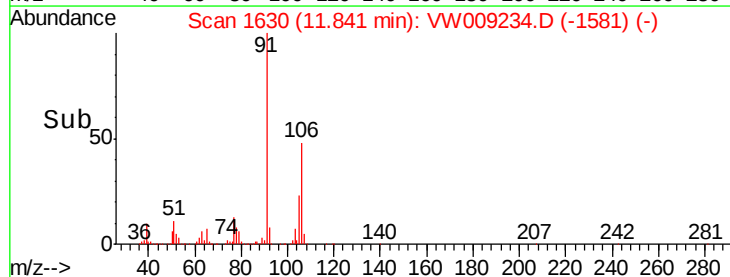
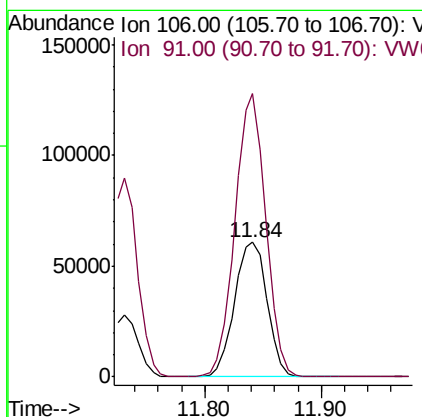
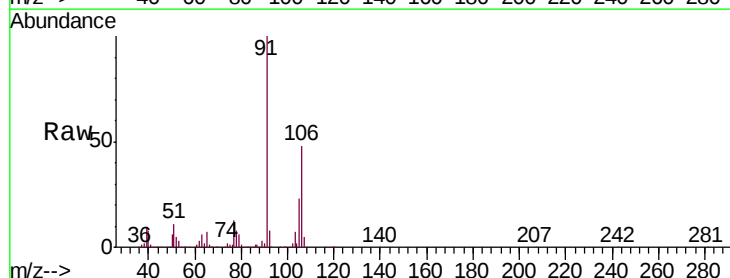
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

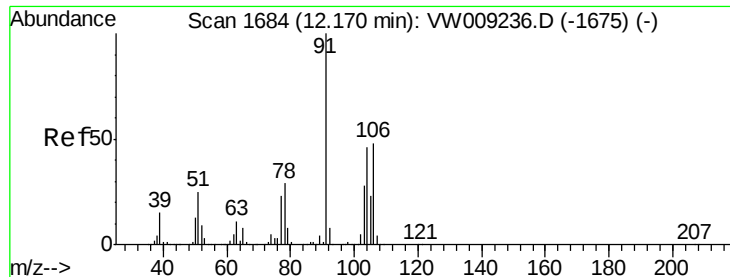
Tgt Ion: 91 Resp: 147414
Ion Ratio Lower Upper
91 100
106 31.1 24.6 36.8



#68
m/p-Xylenes
Concen: 20.455 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 106 Resp: 119134
Ion Ratio Lower Upper
106 100
91 197.8 163.1 244.7

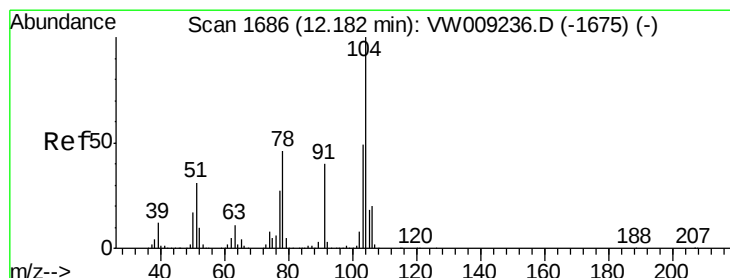
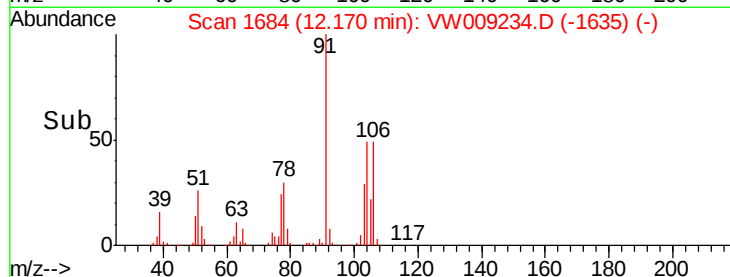
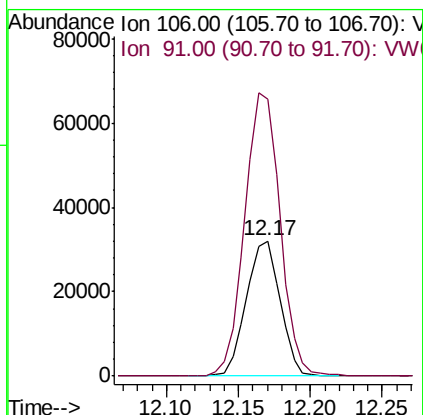
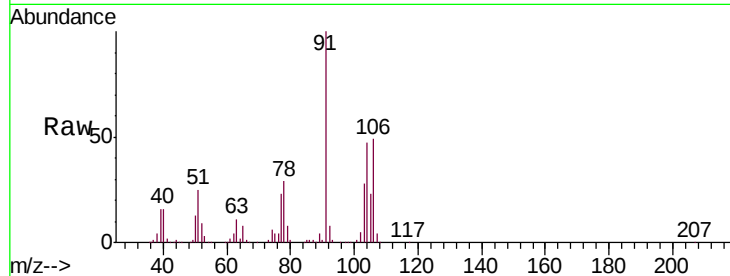




#69
o-Xylene
Concen: 9.630 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

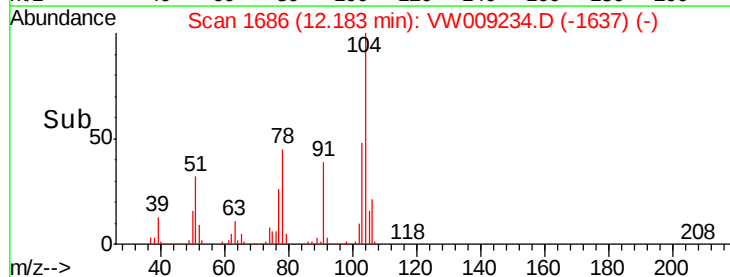
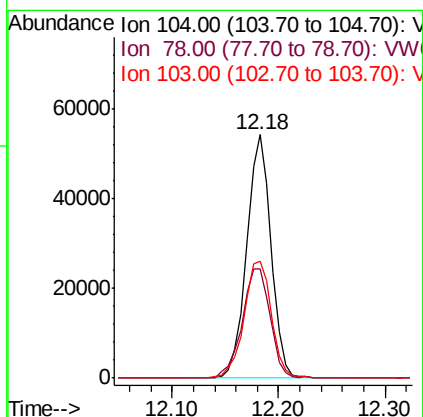
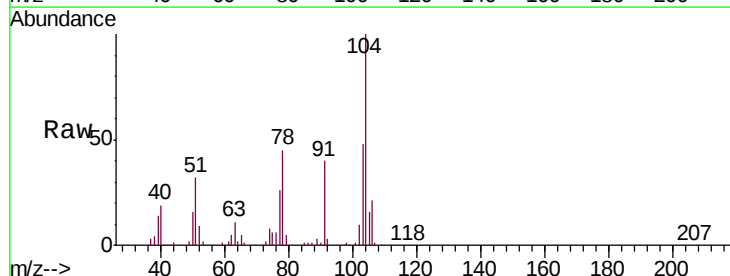
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

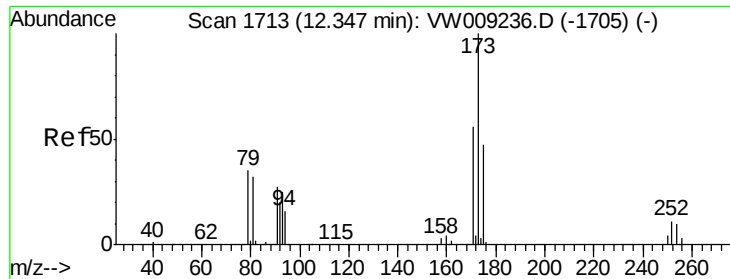
Tgt Ion:106 Resp: 52084
Ion Ratio Lower Upper
106 100
91 219.5 108.6 325.8



#70
Styrene
Concen: 9.761 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion:104 Resp: 87038
Ion Ratio Lower Upper
104 100
78 52.3 42.2 63.4
103 54.4 44.6 66.8





#71

Bromoform

Concen: 9.823 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

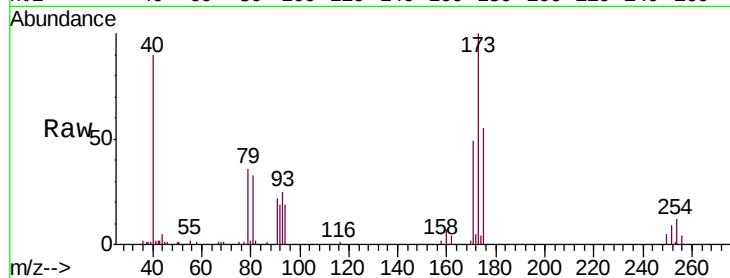
Tgt Ion:173 Resp: 17386

Ion Ratio Lower Upper

173 100

175 52.2 24.1 72.4

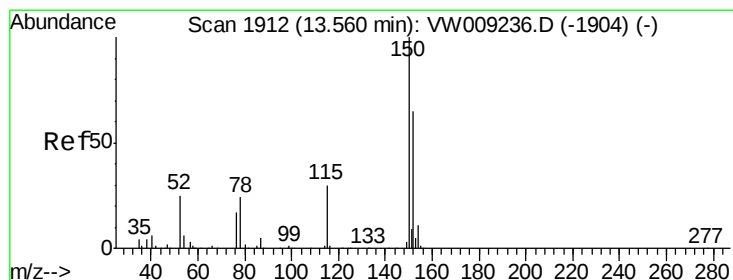
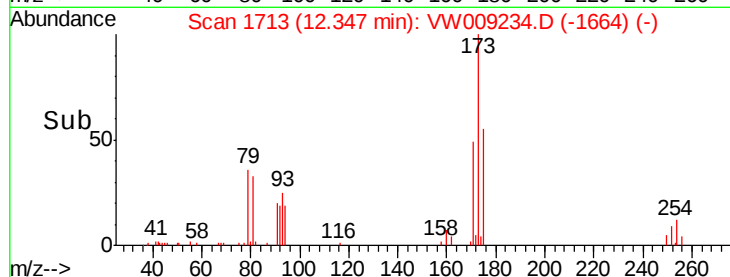
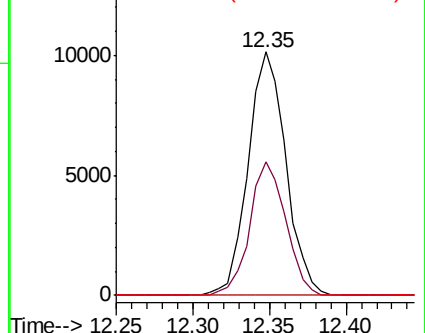
254 0.0 0.2 0.4#



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: VW009234.D

Acq: 19 Mar 2019 11:24

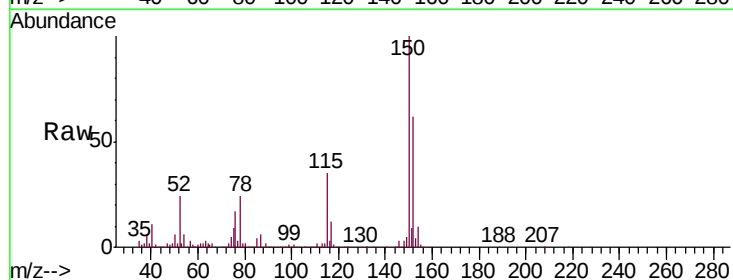
Tgt Ion:152 Resp: 227185

Ion Ratio Lower Upper

152 100

115 58.3 29.6 88.8

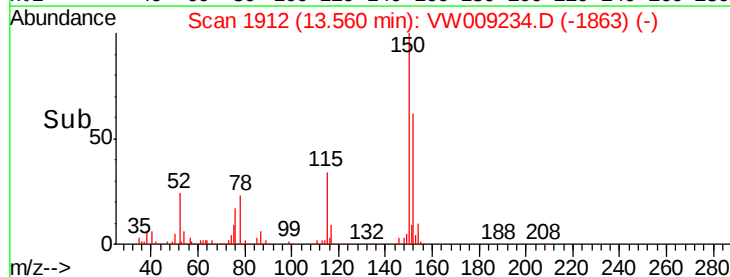
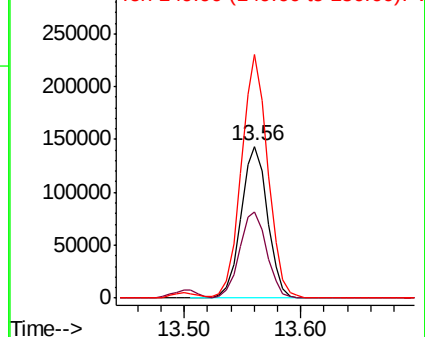
150 159.6 0.0 349.2

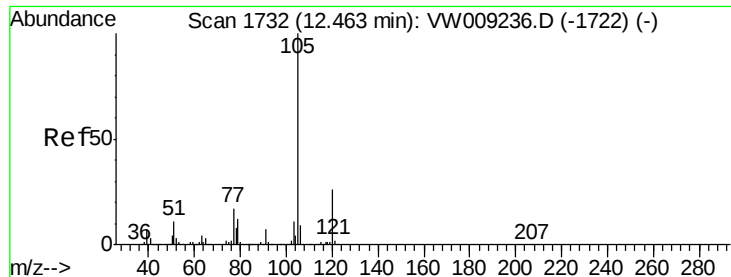


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.605 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

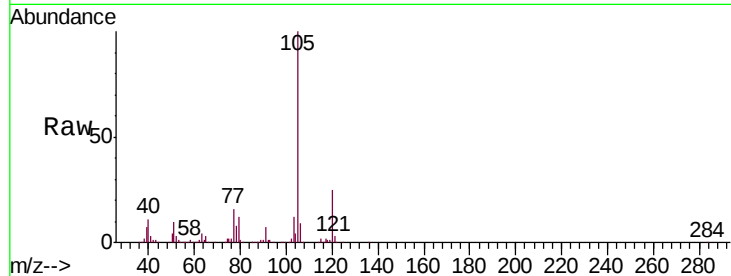
VSTDIC010

Tgt Ion: 105 Resp: 145849

Ion Ratio Lower Upper

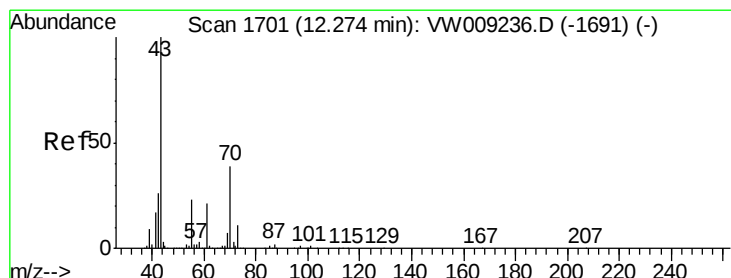
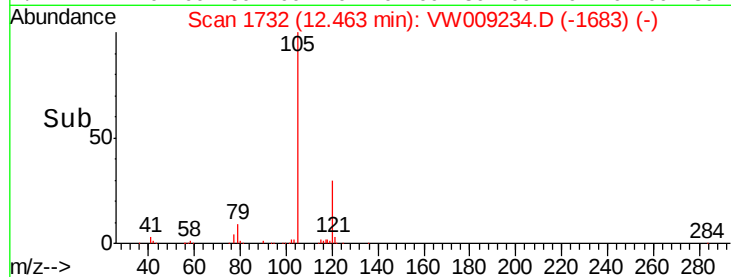
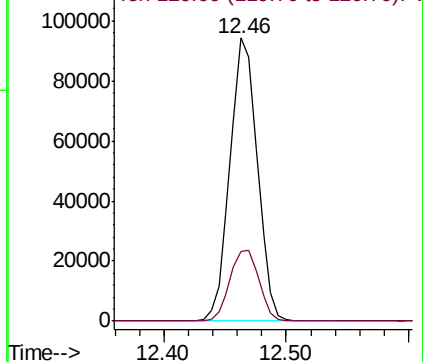
105 100

120 26.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.327 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion: 43 Resp: 36945

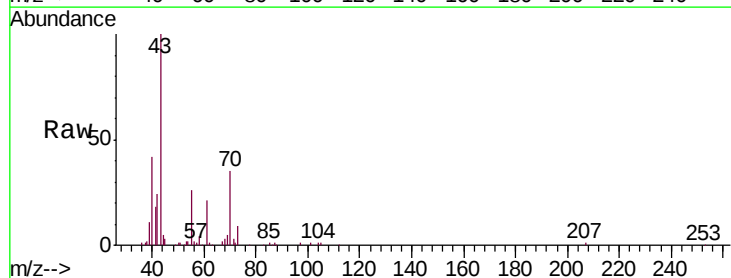
Ion Ratio Lower Upper

43 100

70 38.7 30.6 46.0

55 26.5 19.3 28.9

61 21.8 17.0 25.4

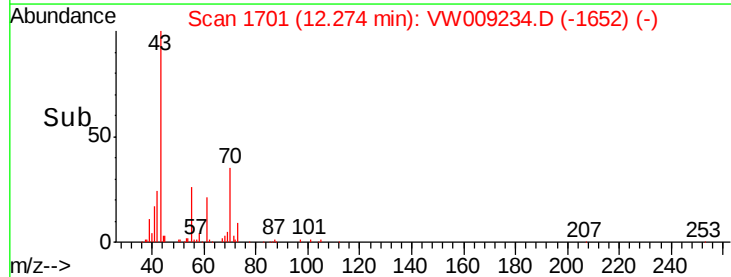
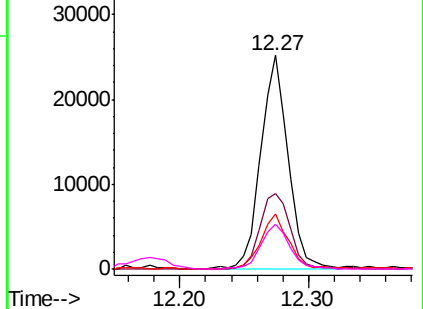


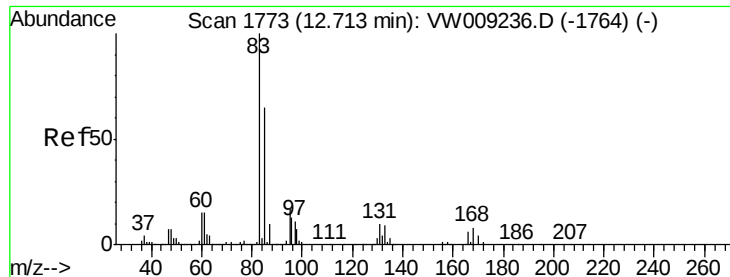
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 10.199 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

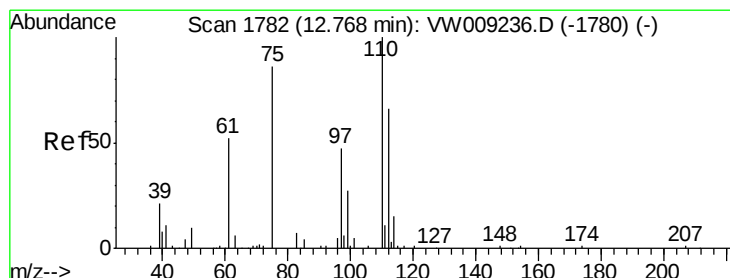
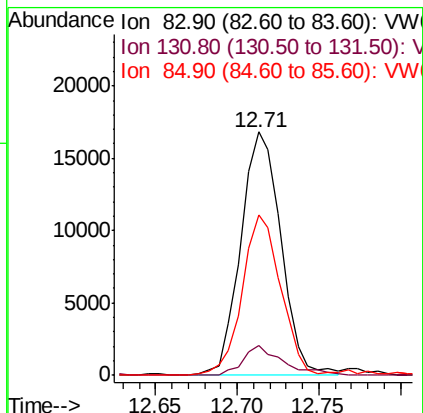
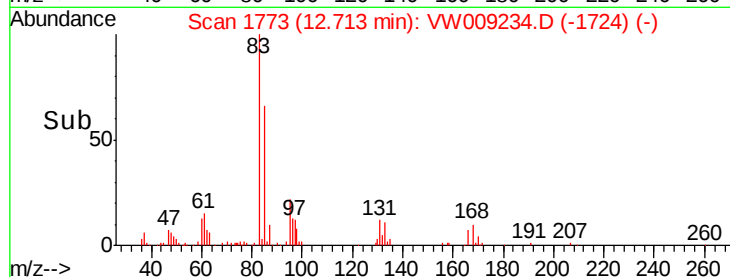
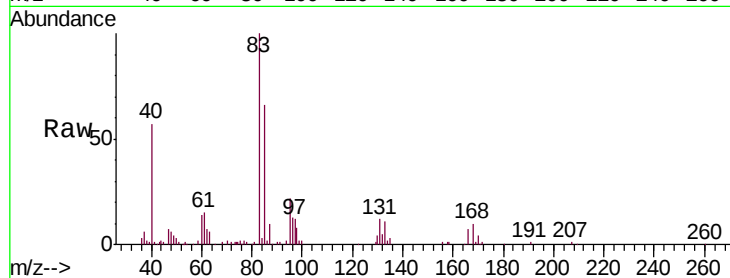
Tgt Ion: 83 Resp: 28970

Ion Ratio Lower Upper

83 100

131 12.0 5.3 16.1

85 62.6 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 16.692 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009234.D

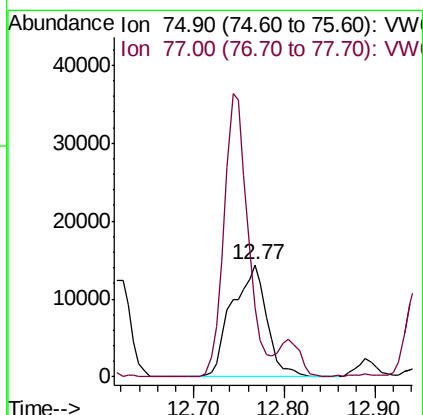
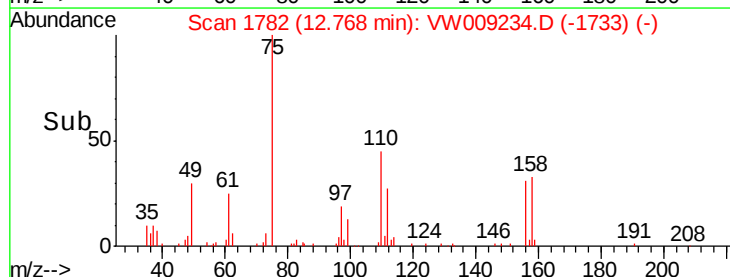
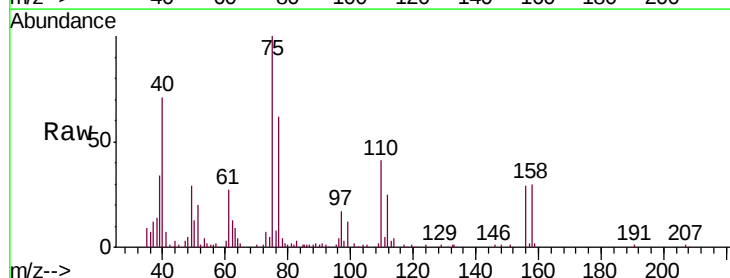
Acq: 19 Mar 2019 11:24

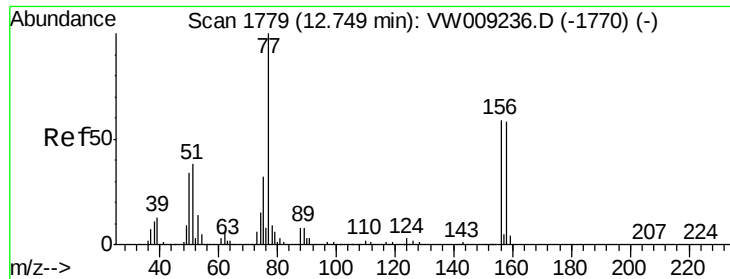
Tgt Ion: 75 Resp: 38343

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 10.353 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

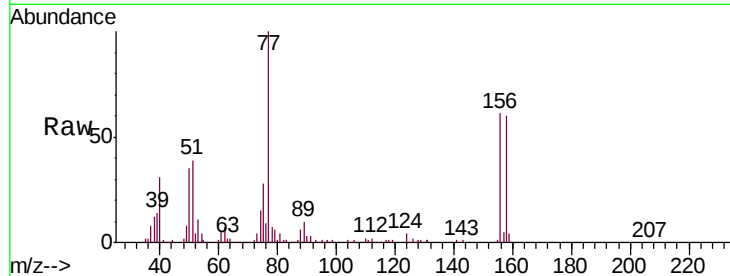
Tgt Ion:156 Resp: 37238

Ion Ratio Lower Upper

156 100

77 180.9 96.0 288.0

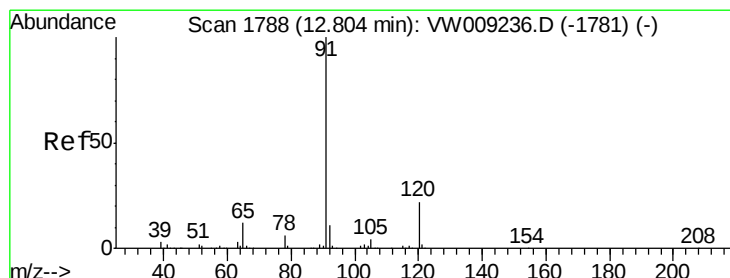
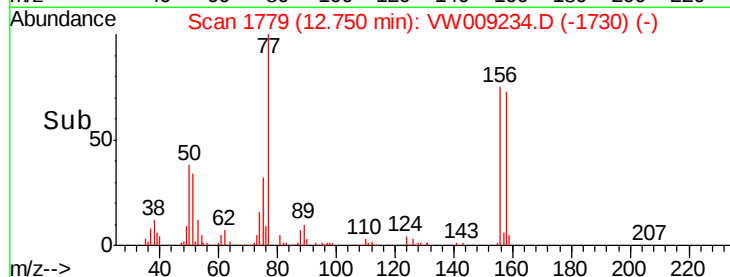
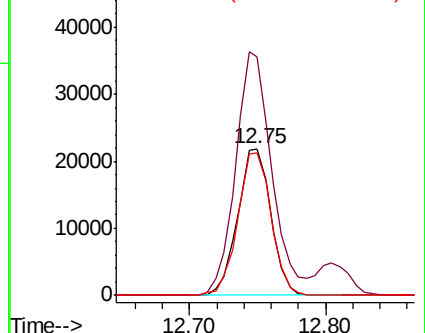
158 97.4 49.1 147.3



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: 9.926 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009234.D

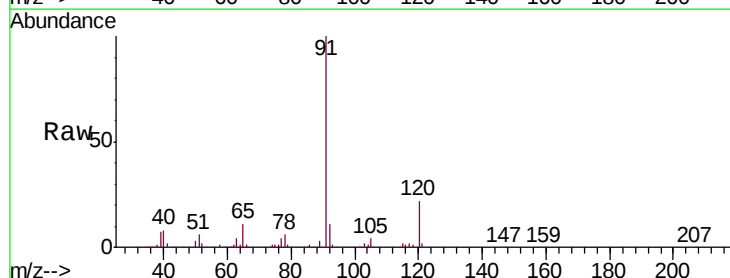
Acq: 19 Mar 2019 11:24

Tgt Ion: 91 Resp: 185115

Ion Ratio Lower Upper

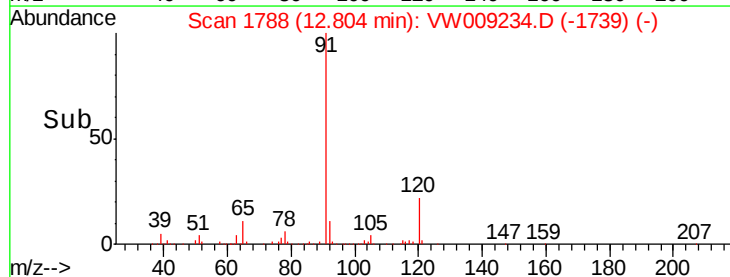
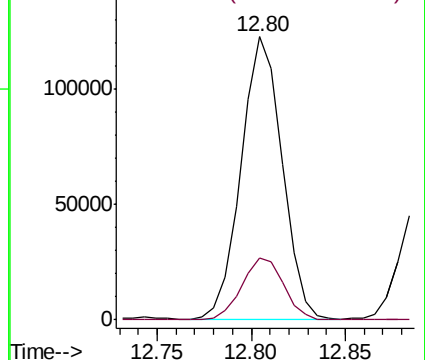
91 100

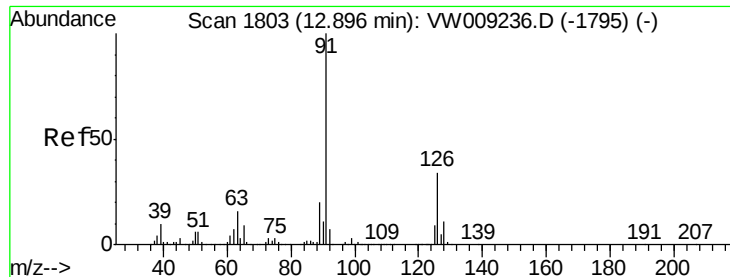
120 22.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.070 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

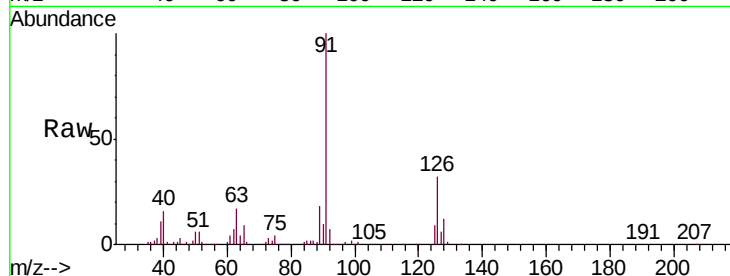
VSTDIC010

Tgt Ion: 91 Resp: 106681

Ion Ratio Lower Upper

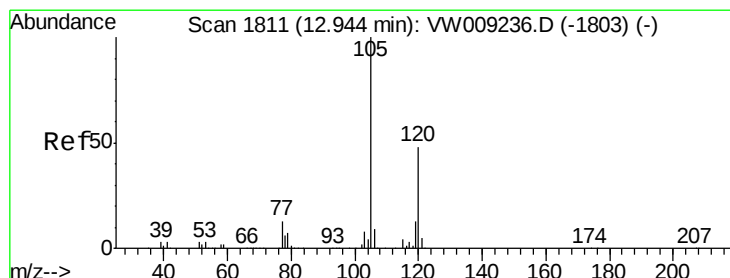
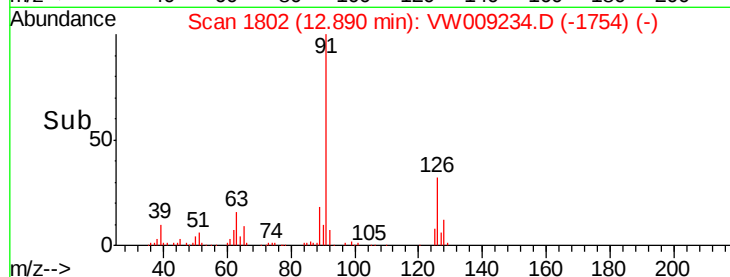
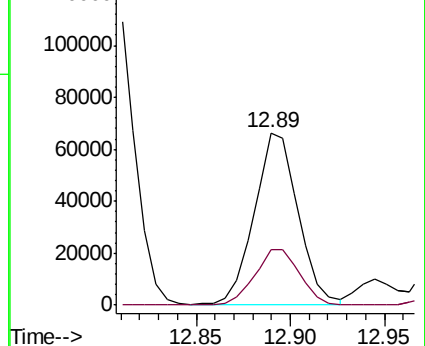
91 100

126 33.5 17.0 51.0



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: 9.836 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009234.D

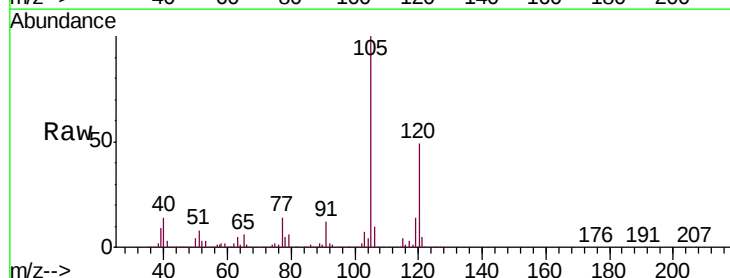
Acq: 19 Mar 2019 11:24

Tgt Ion: 105 Resp: 127010

Ion Ratio Lower Upper

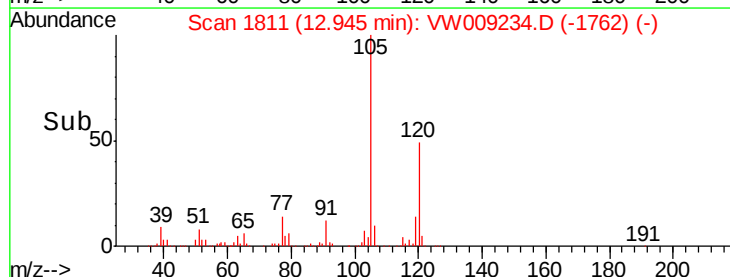
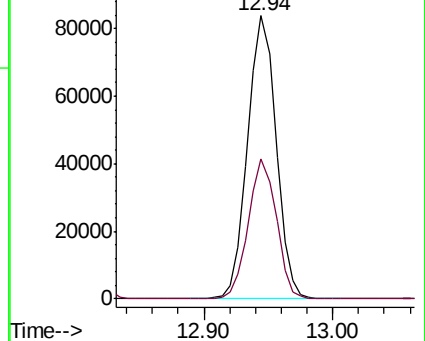
105 100

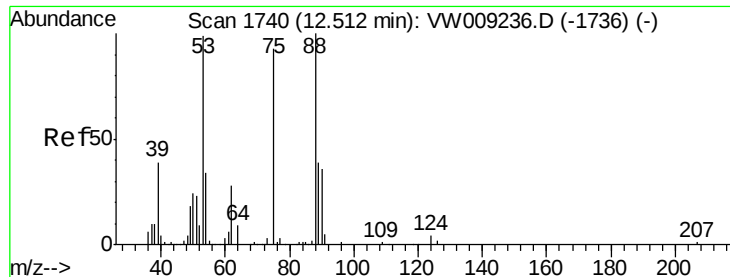
120 48.8 24.6 74.0



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: 9.505 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

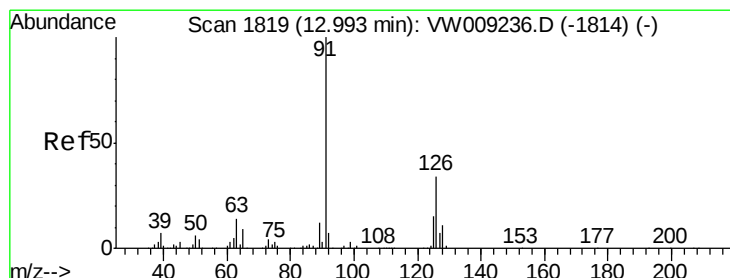
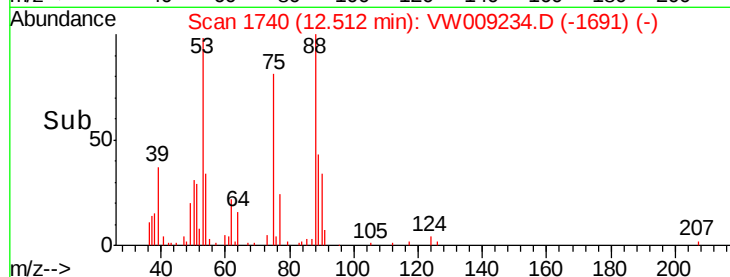
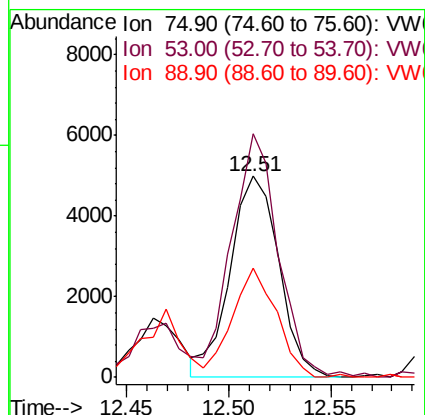
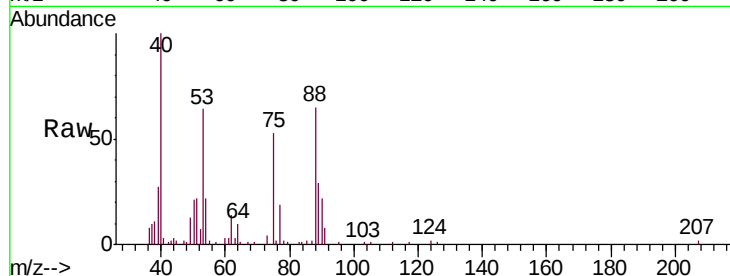
Tgt Ion: 75 Resp: 8270

Ion Ratio Lower Upper

75 100

53 115.2 86.7 130.1

89 49.1 36.4 54.6



#82

4-Chlorotoluene

Concen: 10.022 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW009234.D

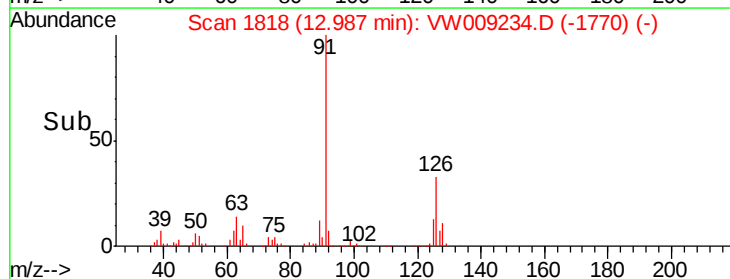
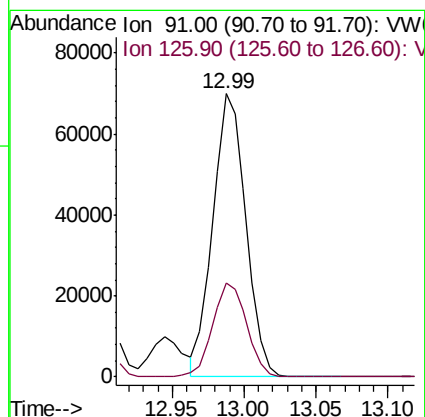
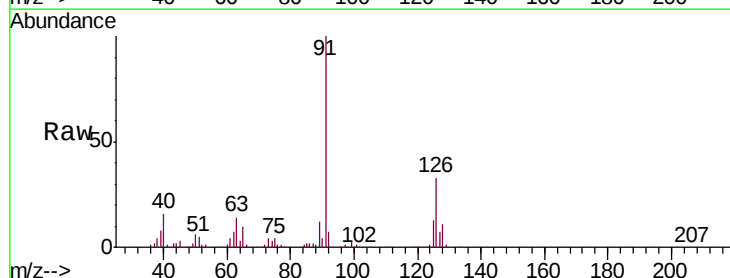
Acq: 19 Mar 2019 11:24

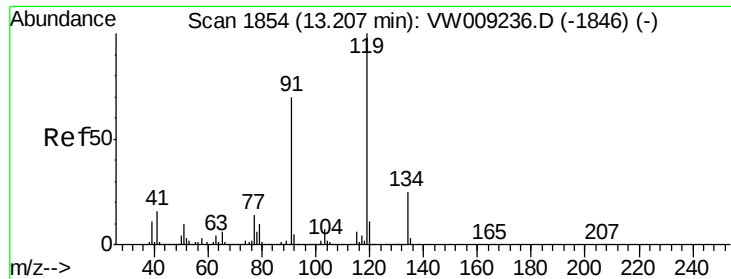
Tgt Ion: 91 Resp: 111853

Ion Ratio Lower Upper

91 100

126 34.2 16.9 50.6





#83

tert-Butylbenzene

Concen: 9.754 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

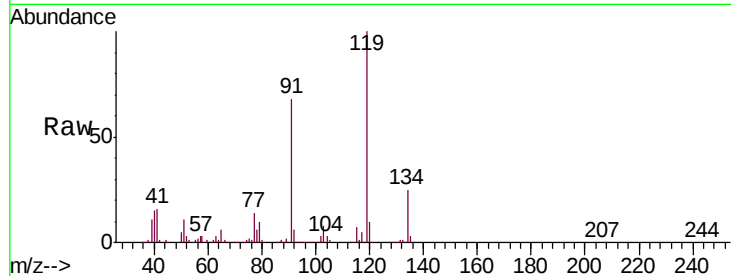
Tgt Ion:119 Resp: 107644

Ion Ratio Lower Upper

119 100

91 67.8 34.4 103.2

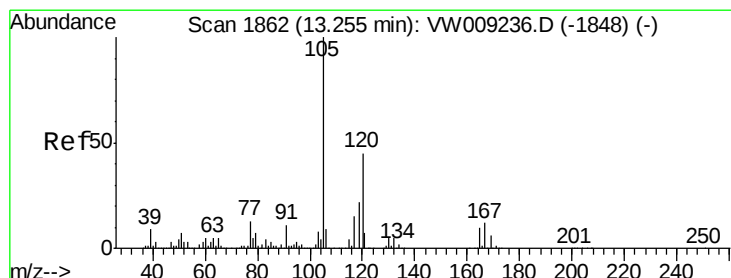
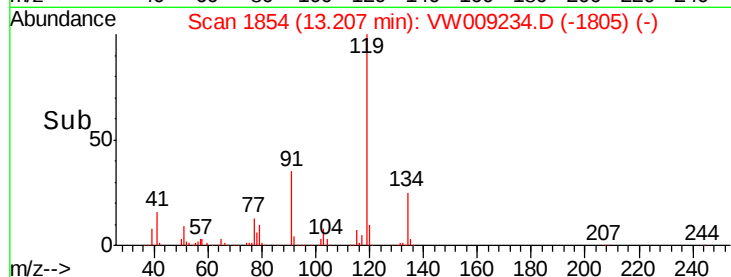
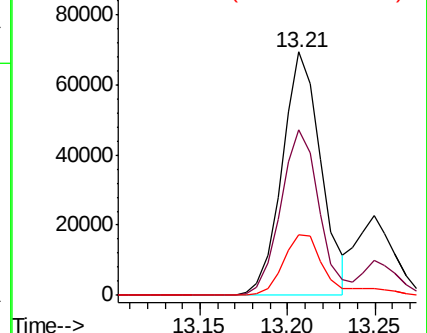
134 25.4 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.895 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009234.D

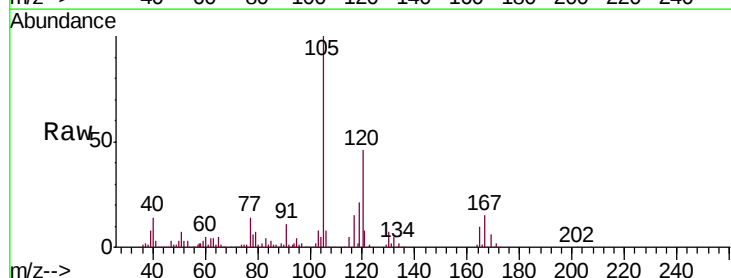
Acq: 19 Mar 2019 11:24

Tgt Ion:105 Resp: 130990

Ion Ratio Lower Upper

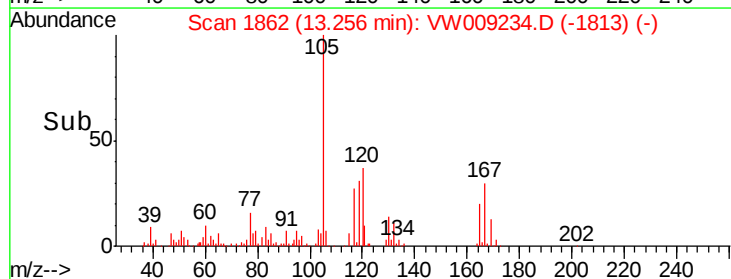
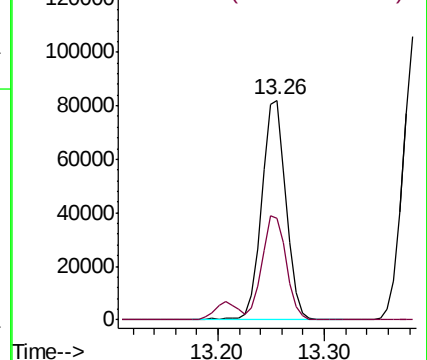
105 100

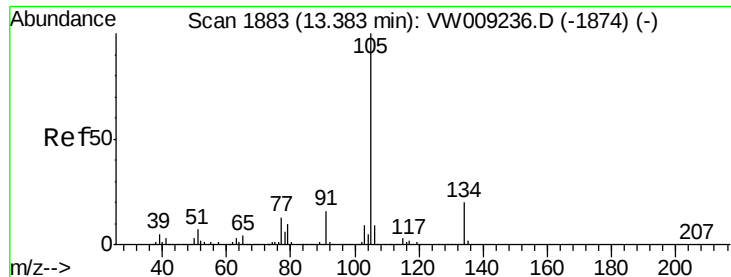
120 47.1 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 9.925 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

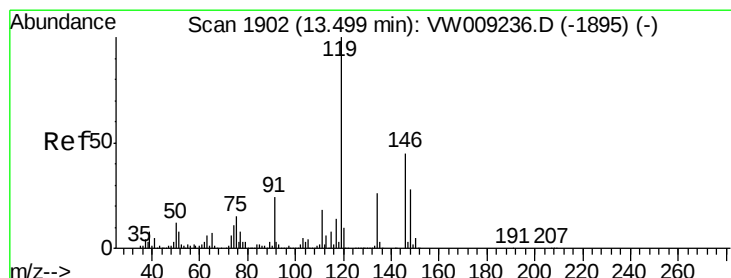
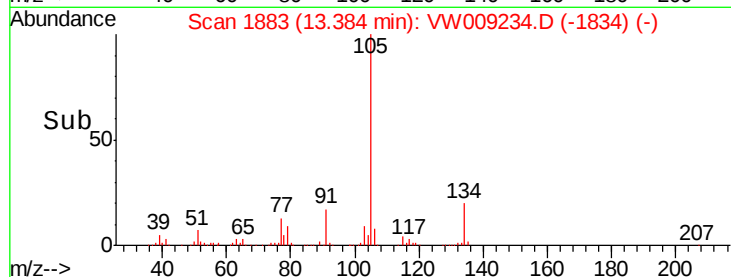
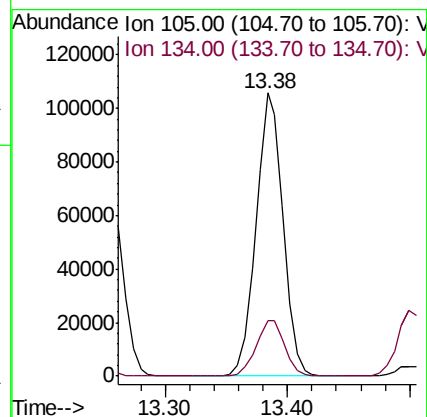
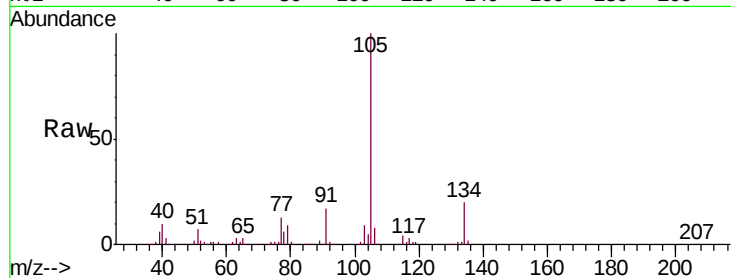
VSTDIC010

Tgt Ion:105 Resp: 161845

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 9.779 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

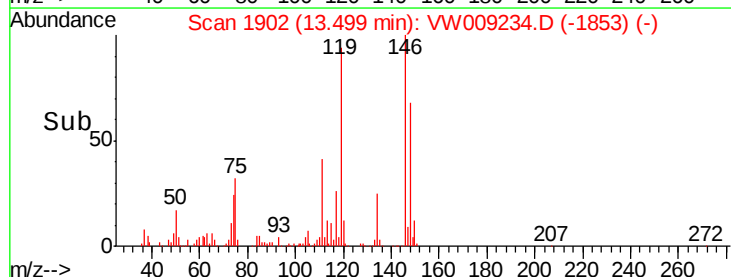
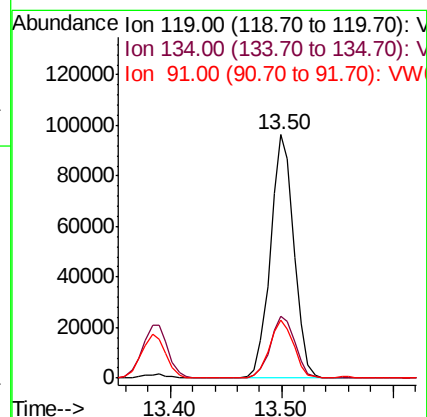
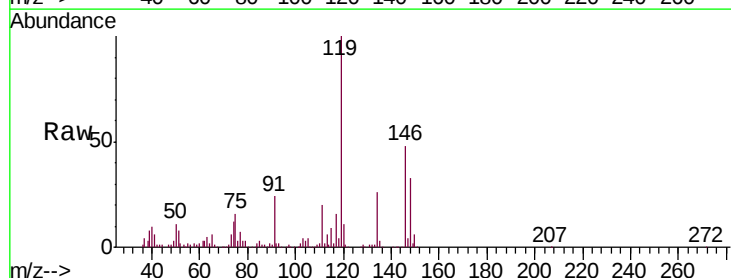
Tgt Ion:119 Resp: 141999

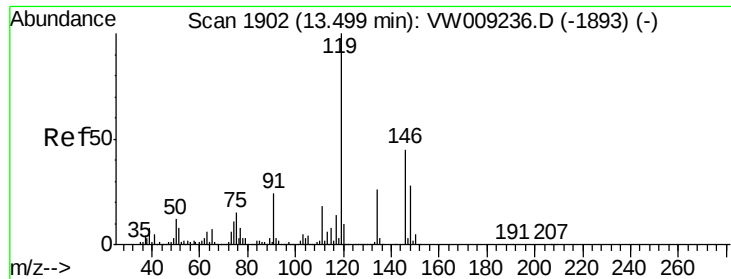
Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.3

91 24.1 12.3 36.8

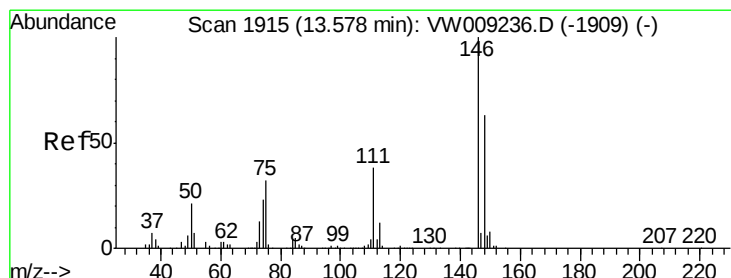
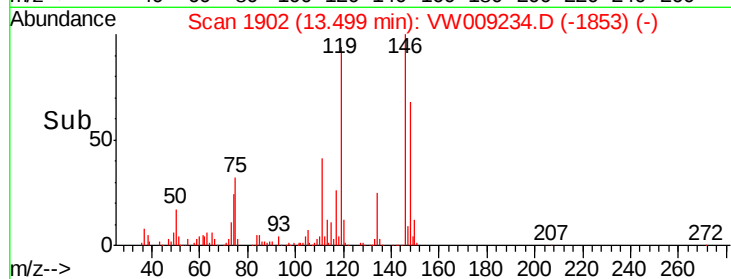
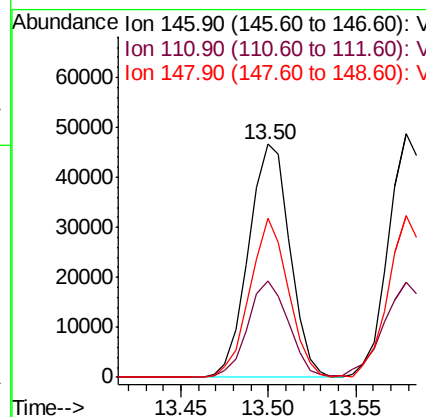
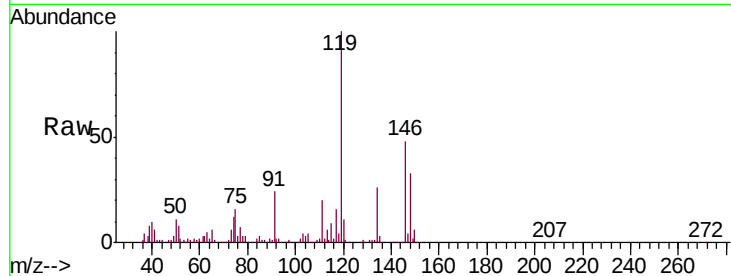




#87
 1,3-Dichlorobenzene
 Concen: 10.282 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

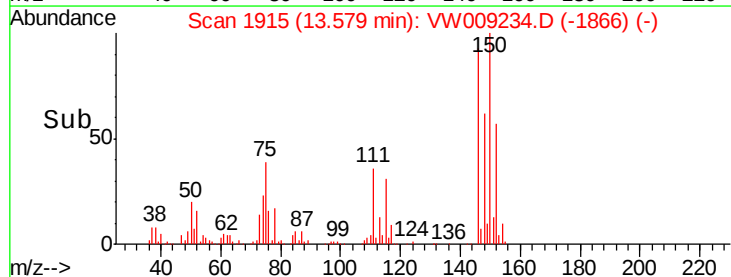
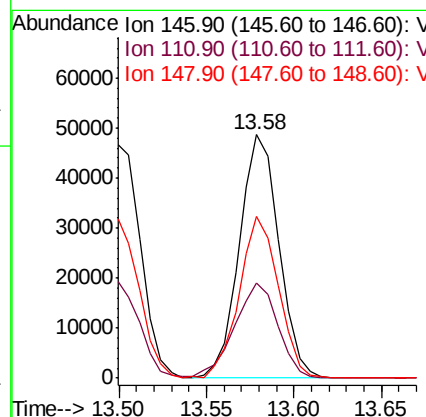
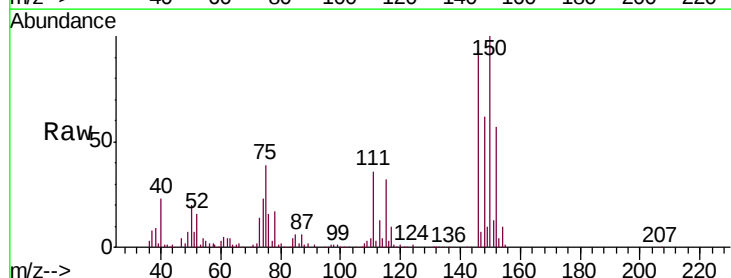
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

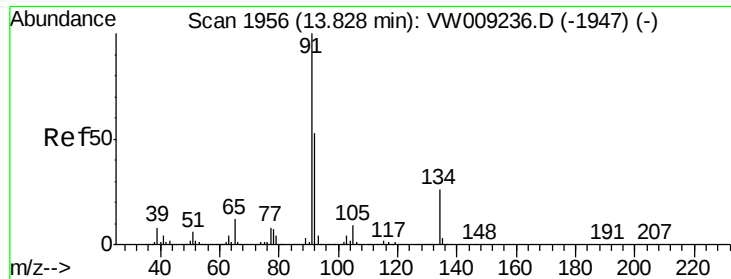
Tgt Ion:146 Resp: 76530
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.1 60.2
 148 63.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 10.332 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion:146 Resp: 76571
 Ion Ratio Lower Upper
 146 100
 111 43.0 19.9 59.6
 148 65.7 32.2 96.6





#89

n-Butylbenzene

Concen: 9.542 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

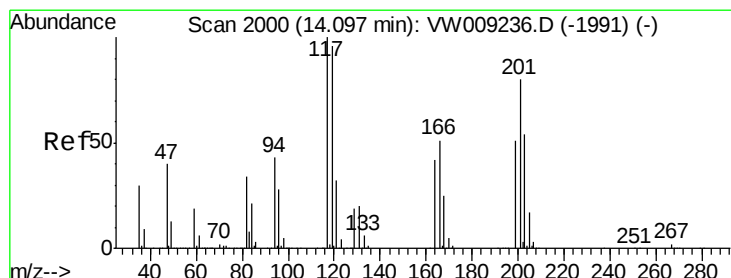
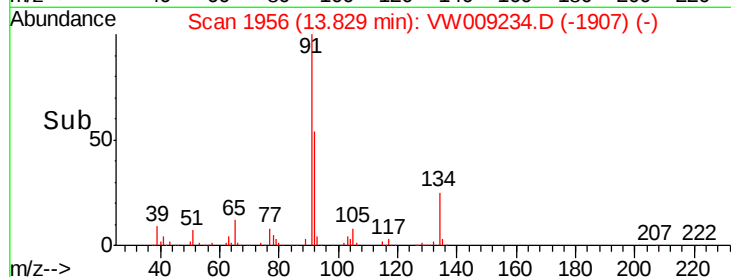
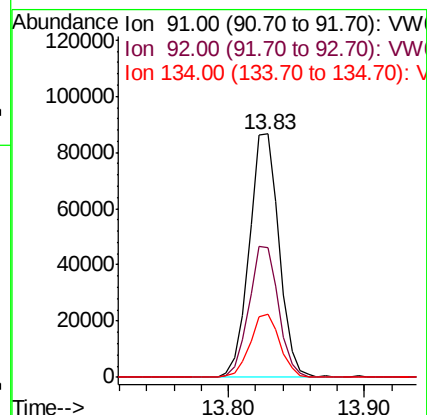
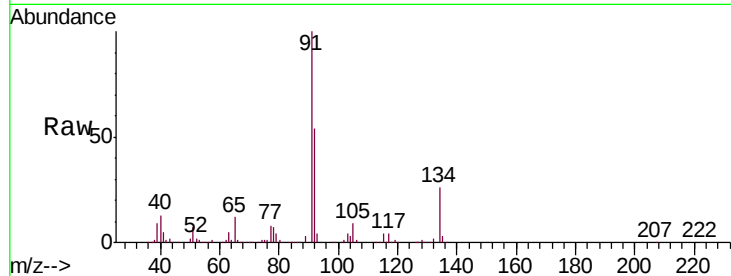
Tgt Ion: 91 Resp: 133013

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.0

134 25.9 12.9 38.6



#90

Hexachloroethane

Concen: 9.643 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009234.D

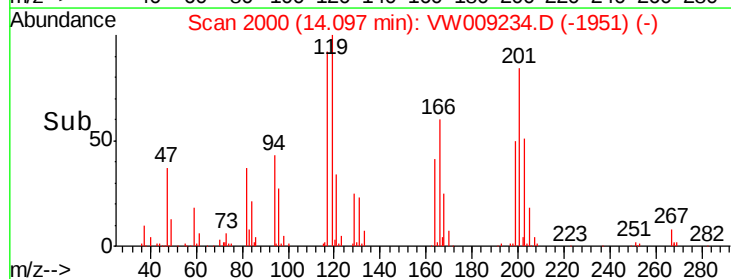
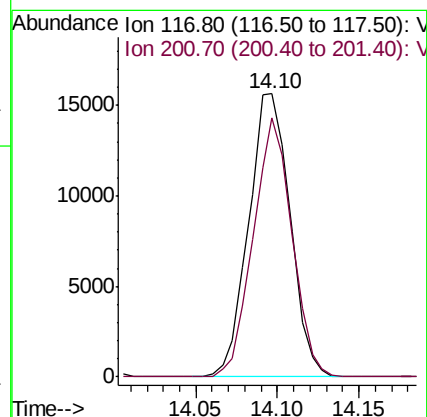
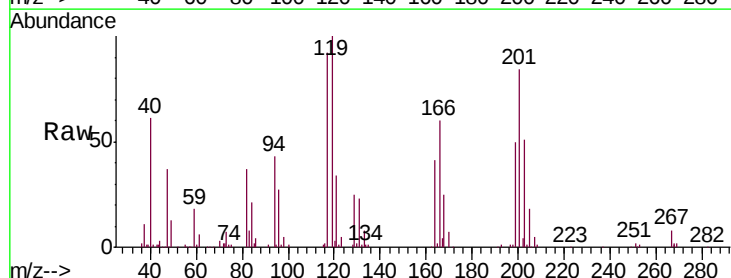
Acq: 19 Mar 2019 11:24

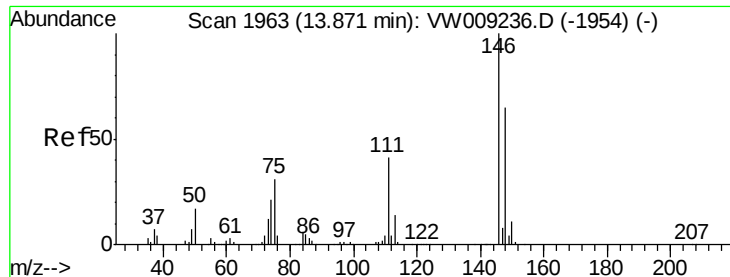
Tgt Ion: 117 Resp: 27607

Ion Ratio Lower Upper

117 100

201 85.4 38.2 114.6





#91

1,2-Dichlorobenzene

Concen: 10.090 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

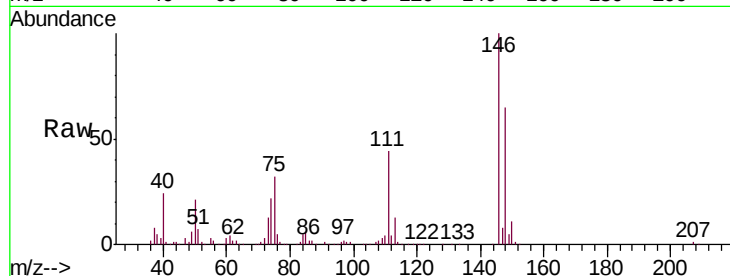
Tgt Ion:146 Resp: 67340

Ion Ratio Lower Upper

146 100

111 41.0 20.4 61.2

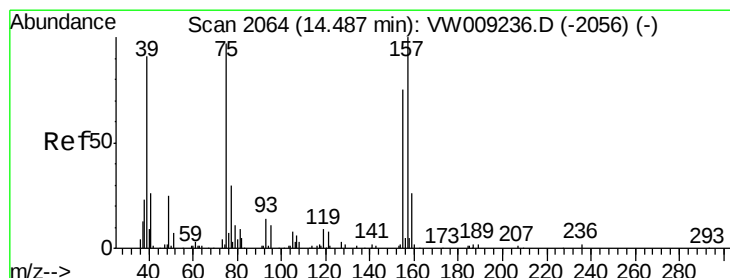
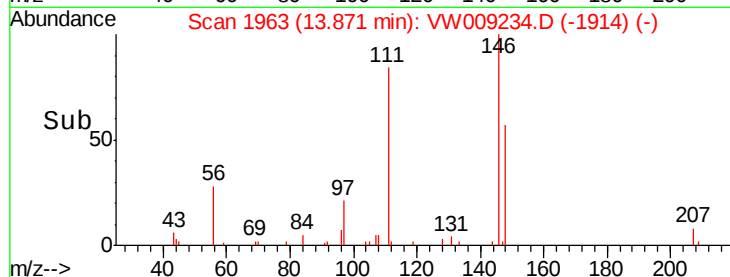
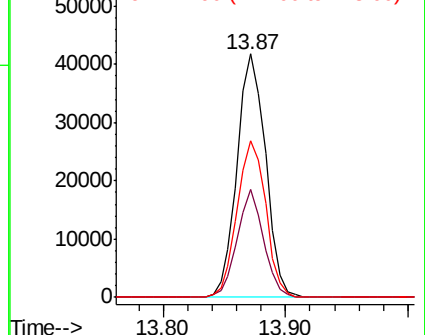
148 64.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.014 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

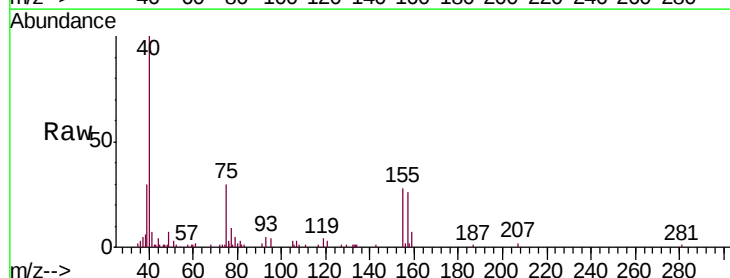
Tgt Ion: 75 Resp: 5093

Ion Ratio Lower Upper

75 100

155 77.9 39.3 117.8

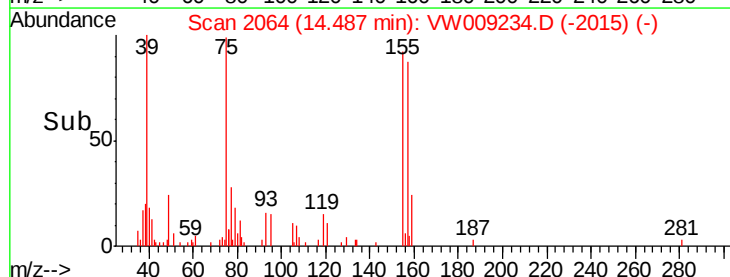
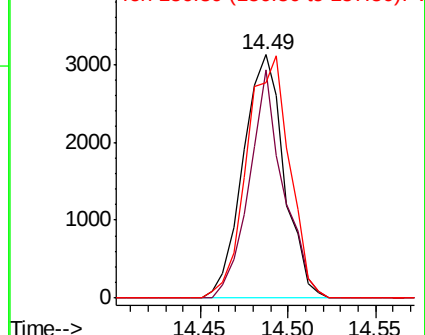
157 103.6 49.5 148.5

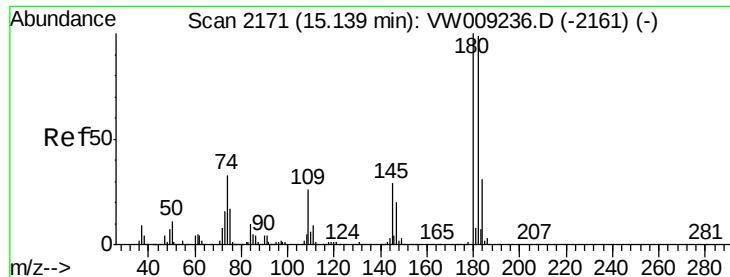


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

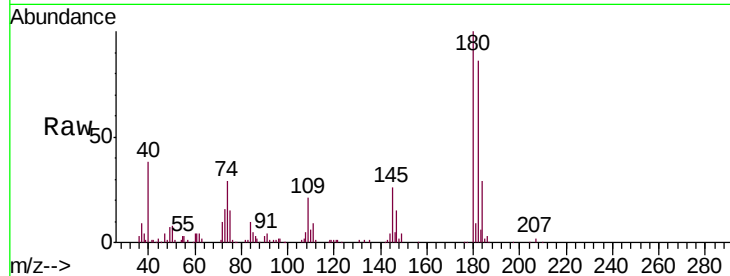




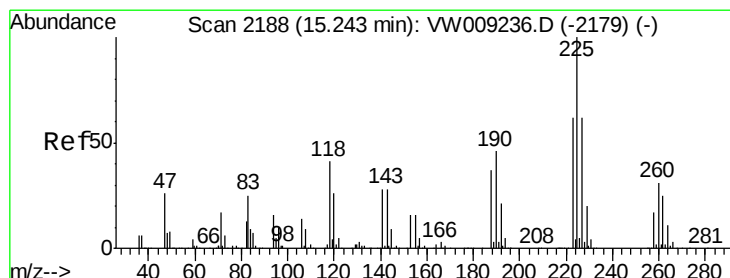
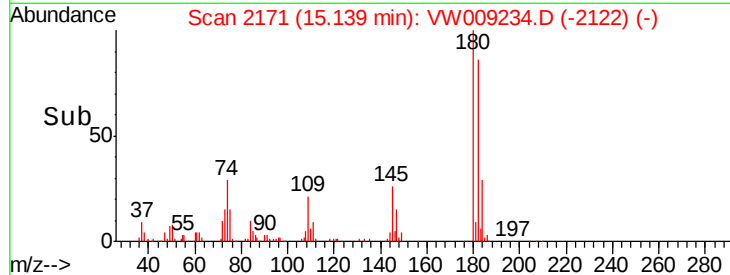
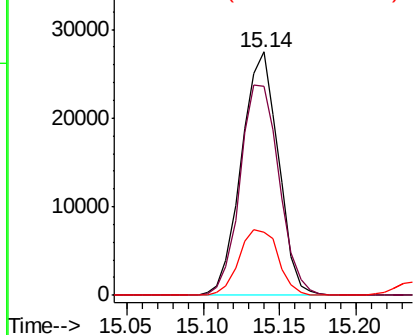
#93
 1,2,4-Trichlorobenzene
 Concen: 10.281 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 46083
 Ion Ratio Lower Upper
 180 100
 182 91.5 47.9 143.7
 145 28.7 15.0 45.0

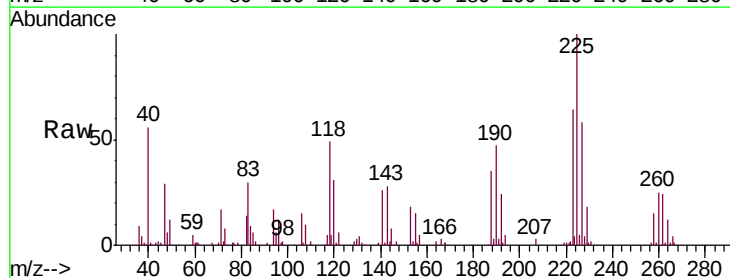


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

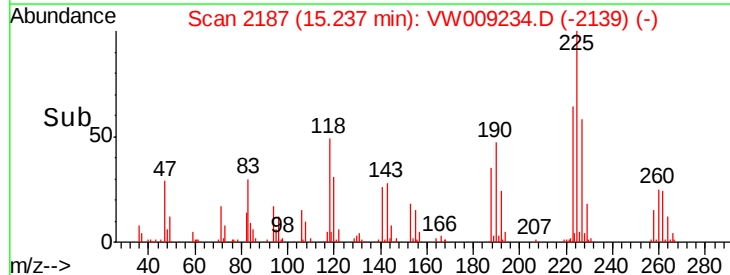
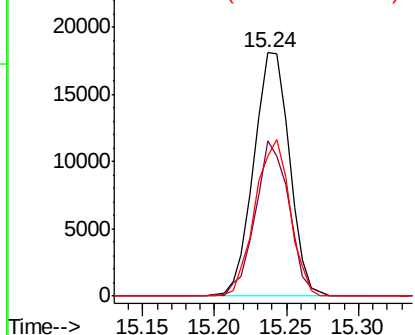


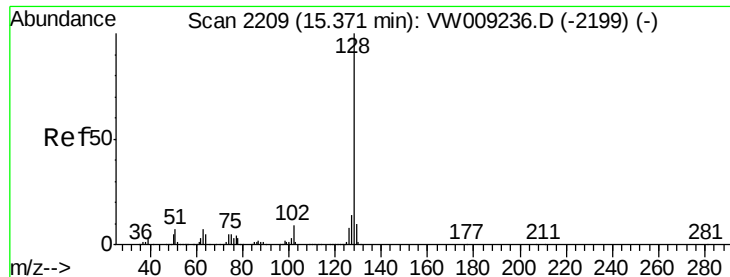
#94
 Hexachlorobutadiene
 Concen: 10.891 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion:225 Resp: 31050
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.4 94.3
 227 62.8 32.1 96.5



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

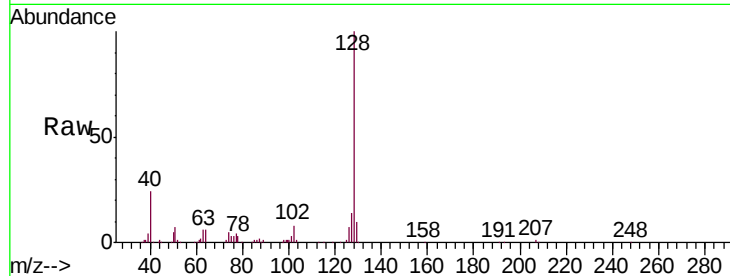




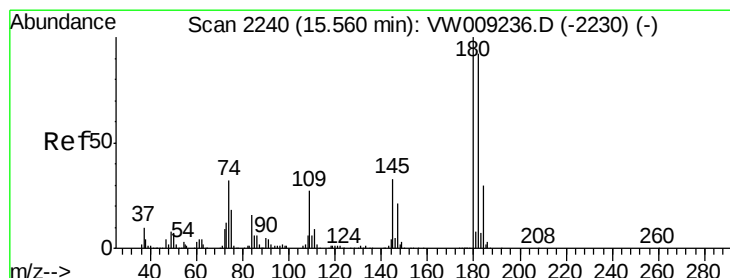
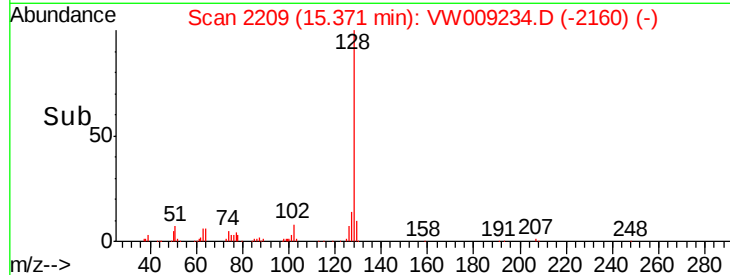
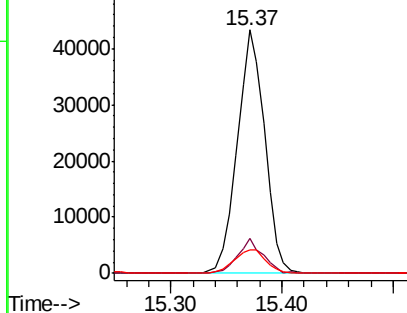
#95
Naphthalene
Concen: 9.511 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 73860
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 11.1 8.7 13.1

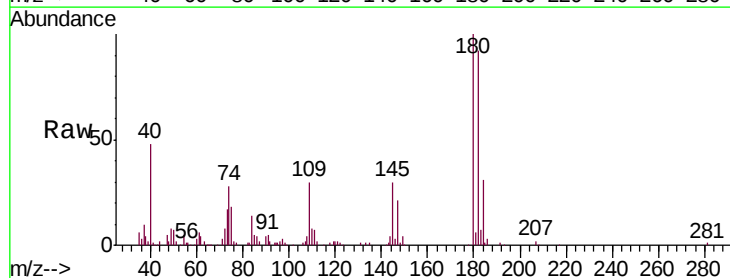


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 10.186 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion:180 Resp: 40755
Ion Ratio Lower Upper
180 100
182 94.9 47.3 141.9
145 31.6 16.0 48.0



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

