

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021919\
 Data File : VW008744.D
 Acq On : 19 Feb 2019 11:12
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 20 06:49:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	350522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	505274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	462083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	241724	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	181959	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	7.88	113	171151	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	
50) Toluene-d8	10.32	98	653646	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.62	95	233478	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	115062	51.251	ug/l	99
3) Chloromethane	2.21	50	130038	40.179	ug/l	99
4) Vinyl Chloride	2.36	62	187808	44.177	ug/l	97
5) Bromomethane	2.78	94	145408	43.225	ug/l	96
6) Chloroethane	2.92	64	139156	43.990	ug/l	98
7) Trichlorofluoromethane	3.25	101	148153	44.744	ug/l	100
8) Diethyl Ether	3.67	74	90038	45.568	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	186355	53.257	ug/l	98
10) Methyl Iodide	4.26	142	278083	50.917	ug/l	99
11) Tert butyl alcohol	5.17	59	58469	200.535	ug/l	96
12) 1,1-Dichloroethene	4.03	96	170585	49.849	ug/l	95
13) Acrolein	3.88	56	60364	200.946	ug/l	99
14) Allyl chloride	4.65	41	274366	48.258	ug/l	98
15) Acrylonitrile	5.36	53	188032	226.086	ug/l	99
16) Acetone	4.12	43	216314	260.855	ug/l	95
17) Carbon Disulfide	4.37	76	511953	49.575	ug/l	100
18) Methyl Acetate	4.67	43	83937	44.296	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	276831	46.083	ug/l	99
20) Methylene Chloride	4.90	84	178308	48.601	ug/l	89
21) trans-1,2-Dichloroethene	5.41	96	184607	49.261	ug/l	95
22) Diisopropyl ether	6.31	45	533522	46.625	ug/l	97
23) Vinyl Acetate	6.24	43	1662117	223.804	ug/l	99
24) 1,1-Dichloroethane	6.20	63	319460	48.381	ug/l	99
25) 2-Butanone	7.17	43	274389	234.331	ug/l	98
26) 2,2-Dichloropropane	7.16	77	217582	52.748	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	197114	48.642	ug/l	99
28) Bromochloromethane	7.51	49	137038	49.163	ug/l	95
29) Tetrahydrofuran	7.52	42	163783	212.212	ug/l	97
30) Chloroform	7.66	83	331870	50.160	ug/l	98
31) Cyclohexane	7.95	56	310181	46.541	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	291347	52.140	ug/l	99
36) 1,1-Dichloropropene	8.07	75	268895	52.970	ug/l	100
37) Ethyl Acetate	7.25	43	110716	45.213	ug/l	99
38) Carbon Tetrachloride	8.06	117	282210	55.907	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	333354	51.918	ug/l	96
40) Benzene	8.32	78	716124	51.653	ug/l	99
41) Methacrylonitrile	7.48	41	72249	52.439	ug/l	96
42) 1,2-Dichloroethane	8.40	62	219223	50.978	ug/l	99
43) Isopropyl Acetate	8.42	43	225181	46.117	ug/l	97
44) Trichloroethene	9.09	130	202063	52.565	ug/l	96
45) 1,2-Dichloropropane	9.37	63	173237	50.490	ug/l	98
46) Dibromomethane	9.46	93	95428	50.489	ug/l	98
47) Bromodichloromethane	9.64	83	238945	52.603	ug/l	98
48) Methyl methacrylate	9.43	41	104716	46.276	ug/l	97
49) 1,4-Dioxane	9.45	88	29156	966.393	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	576094	229.678	ug/l	99
52) Toluene	10.38	92	458852	51.303	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	241578	50.624	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	278014	51.394	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	131155	50.572	ug/l	98
56) Ethyl methacrylate	10.65	69	163986	47.619	ug/l	99
57) 1,3-Dichloropropane	10.93	76	226705	49.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	410812	248.683	ug/l	99
59) 2-Hexanone	10.97	43	436477	247.709	ug/l	99
60) Dibromochloromethane	11.13	129	162584	52.395	ug/l	98
61) 1,2-Dibromoethane	11.23	107	127652	49.992	ug/l	99
64) Tetrachloroethene	10.86	164	176419	51.341	ug/l	98
65) Chlorobenzene	11.66	112	503065	50.511	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	179981	51.012	ug/l	100
67) Ethyl Benzene	11.73	91	902727	50.884	ug/l	98
68) m/p-Xylenes	11.84	106	703789	101.956	ug/l	99
69) o-Xylene	12.16	106	328083	50.282	ug/l	98
70) Styrene	12.18	104	530855	49.811	ug/l	99
71) Bromoform	12.35	173	96276	50.644	ug/l #	98
73) Isopropylbenzene	12.46	105	916870	50.922	ug/l	99
74) N-amyl acetate	12.27	43	217831	44.738	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	151272	48.288	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	204161	85.534	ug/l #	100
77) Bromobenzene	12.75	156	210252	50.799	ug/l	95
78) n-propylbenzene	12.80	91	1107787	51.781	ug/l	99
79) 2-Chlorotoluene	12.90	91	615450	50.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	765440	51.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45485	42.417	ug/l	98
82) 4-Chlorotoluene	12.99	91	639468	49.905	ug/l	99
83) tert-Butylbenzene	13.21	119	669787	51.577	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	783123	50.947	ug/l	99
85) sec-Butylbenzene	13.38	105	980801	51.870	ug/l	99
86) p-Isopropyltoluene	13.50	119	877721	51.887	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	429196	51.153	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	418078	50.559	ug/l	99
89) n-Butylbenzene	13.83	91	837869	52.123	ug/l	100
90) Hexachloroethane	14.10	117	161321	54.586	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	370587	49.852	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	26813	49.254	ug/l	98

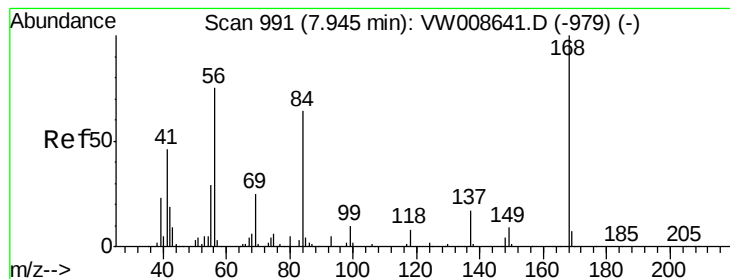
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	275253	52.016	ug/l	99
94) Hexachlorobutadiene	15.24	225	173001	56.164	ug/l	99
95) Naphthalene	15.37	128	480452	50.664	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	240802	53.030	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

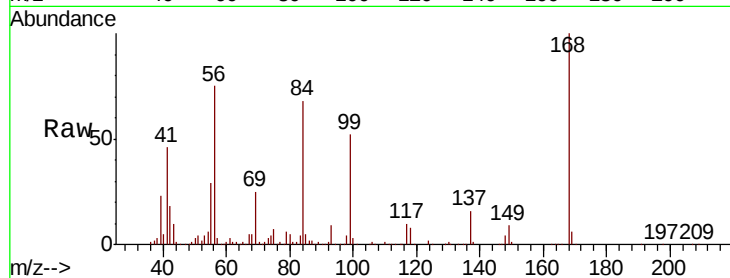
VSTDCCC050

Tgt Ion:168 Resp: 350522

Ion Ratio Lower Upper

168 100

99 52.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

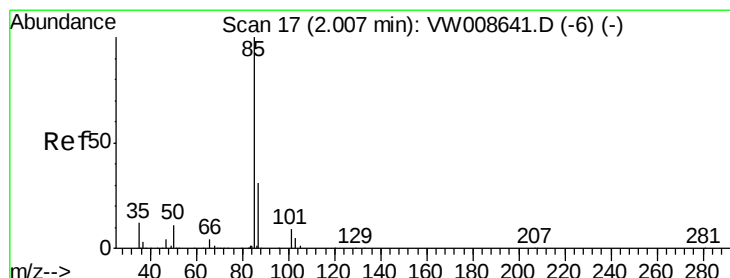
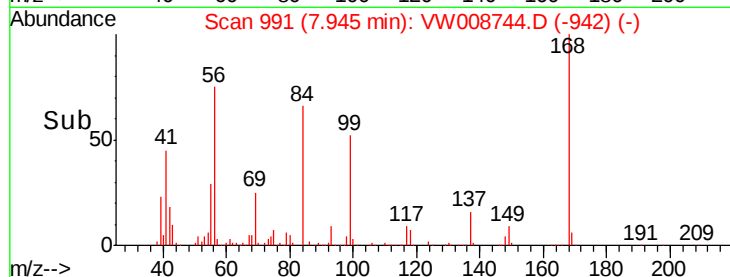
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 51.251 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW008744.D

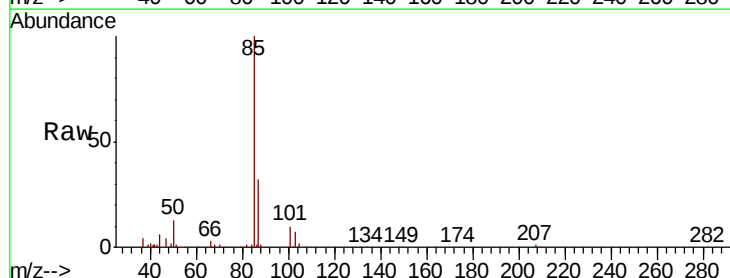
Acq: 19 Feb 2019 11:12

Tgt Ion: 85 Resp: 115062

Ion Ratio Lower Upper

85 100

87 31.7 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

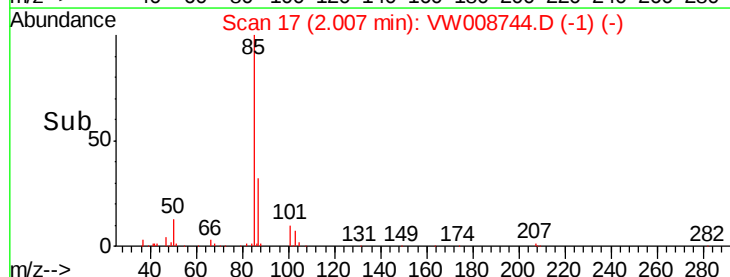
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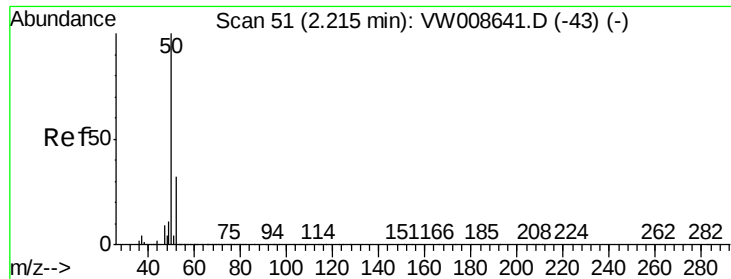
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 40.179 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

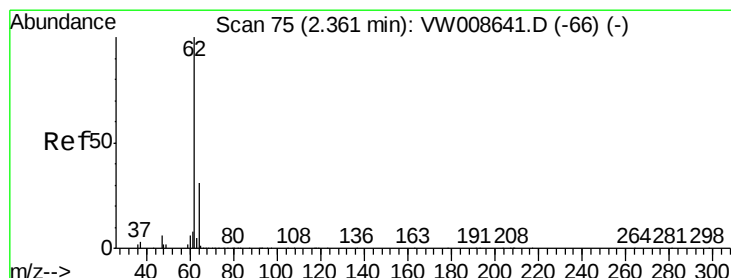
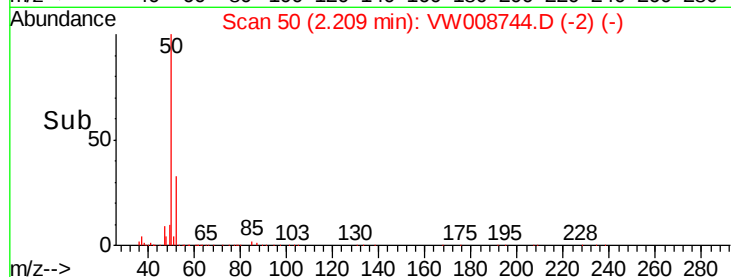
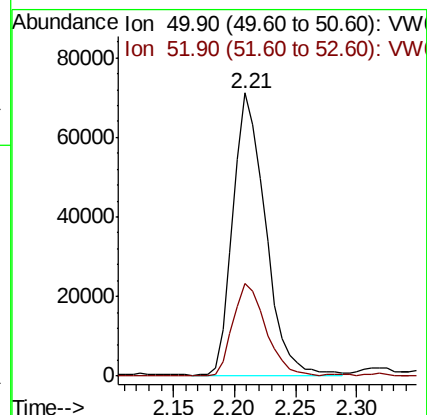
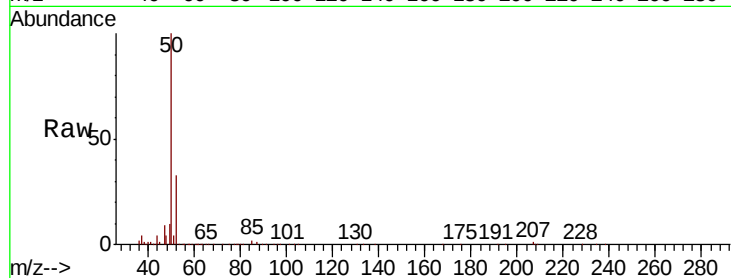
VSTDCCC050

Tgt Ion: 50 Resp: 130038

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 44.177 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW008744.D

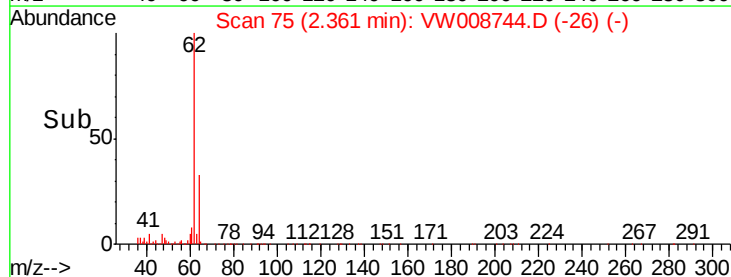
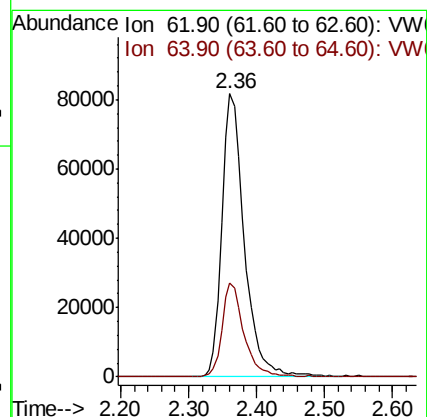
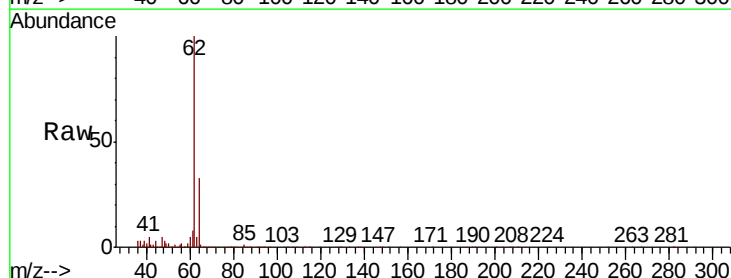
Acq: 19 Feb 2019 11:12

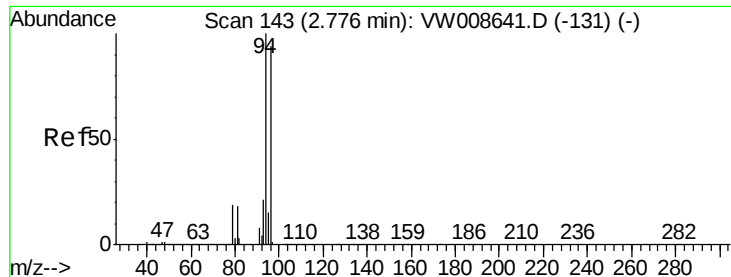
Tgt Ion: 62 Resp: 187808

Ion Ratio Lower Upper

62 100

64 33.0 25.1 37.7





#5

Bromomethane

Concen: 43.225 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

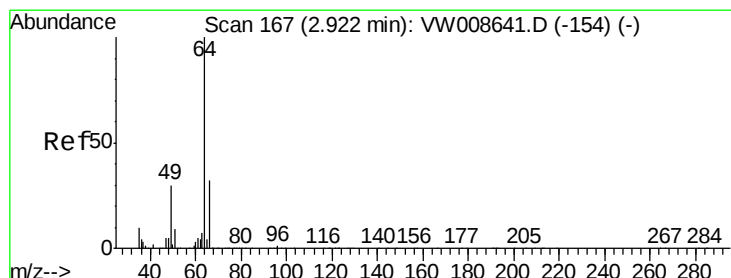
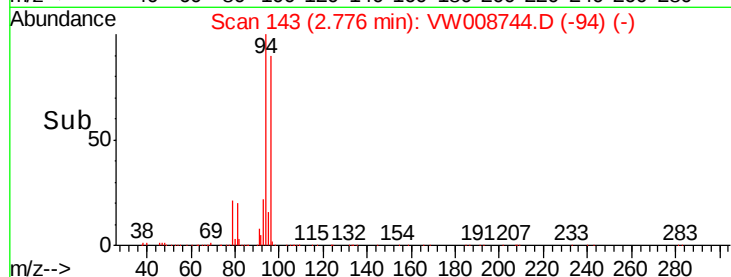
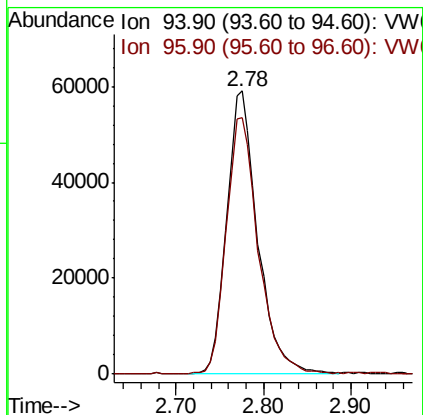
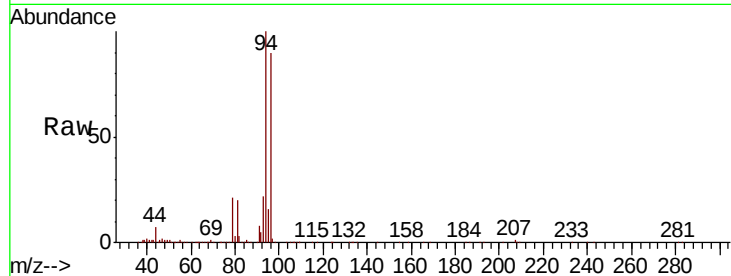
VSTDCCC050

Tgt Ion: 94 Resp: 145408

Ion Ratio Lower Upper

94 100

96 90.2 75.5 113.3



#6

Chloroethane

Concen: 43.990 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008744.D

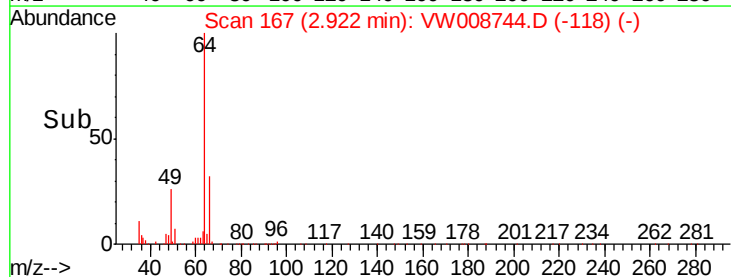
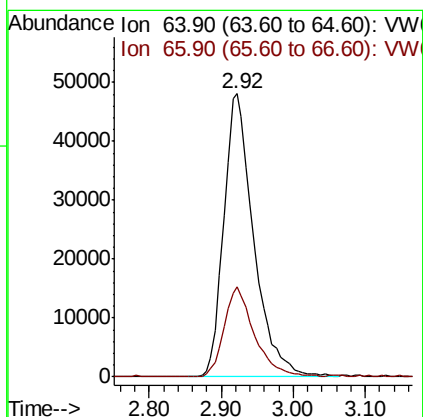
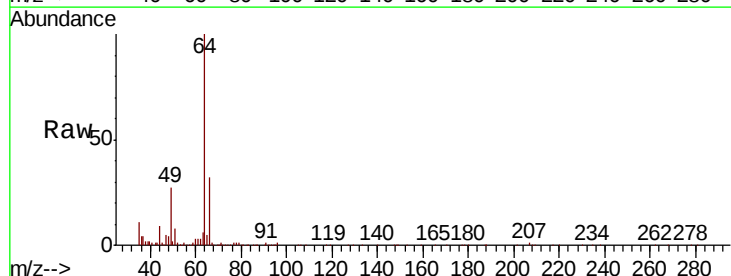
Acq: 19 Feb 2019 11:12

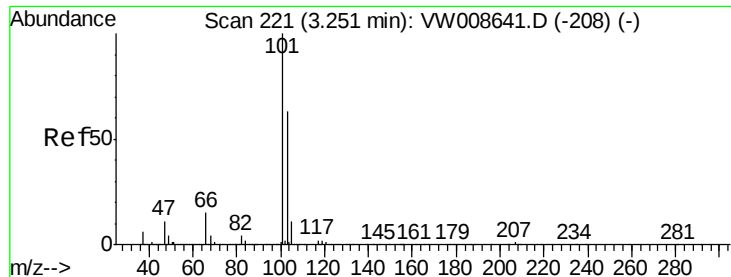
Tgt Ion: 64 Resp: 139156

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.4



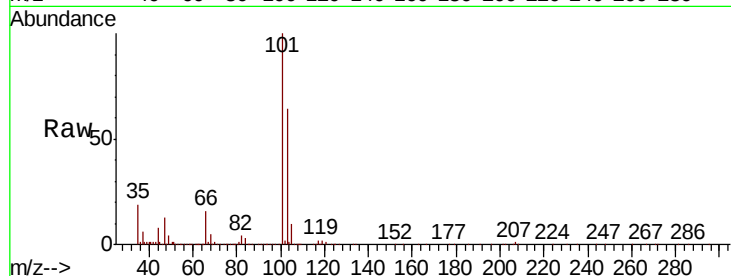


#7

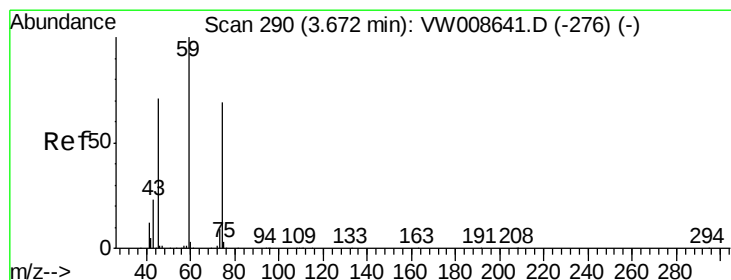
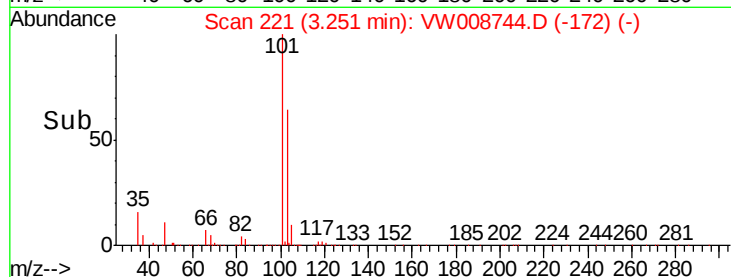
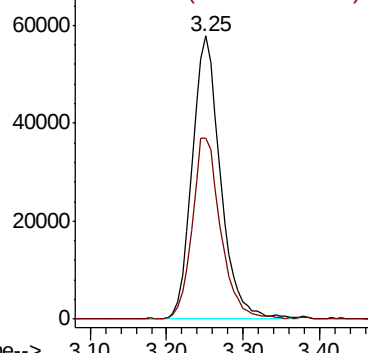
Trichlorofluoromethane
 Concen: 44.744 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Instrument :
 MSVOA_W
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 VSTDCCC050

Tgt Ion:101 Resp: 148153
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.5 75.7



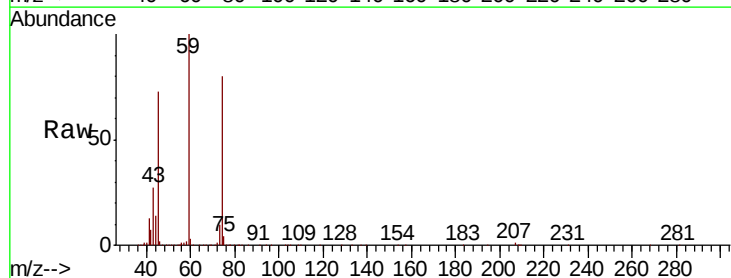
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



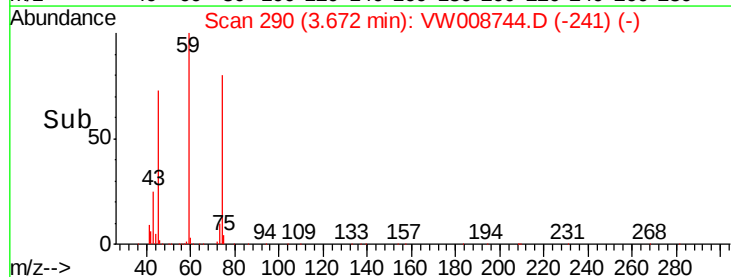
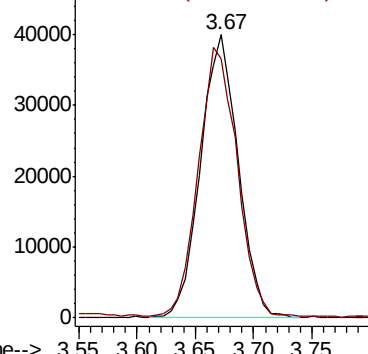
#8

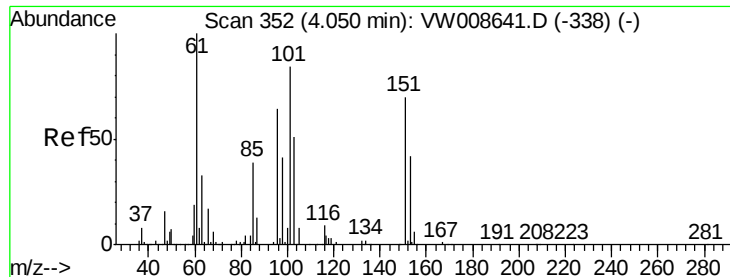
Diethyl Ether
 Concen: 45.568 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Tgt Ion: 74 Resp: 90038
 Ion Ratio Lower Upper
 74 100
 45 98.8 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.257 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

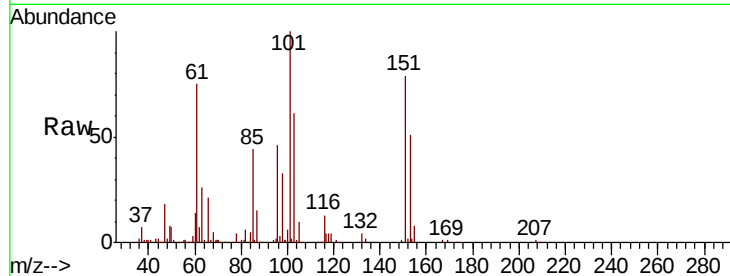
Tgt Ion:101 Resp: 186355

Ion Ratio Lower Upper

101 100

85 43.3 34.3 51.5

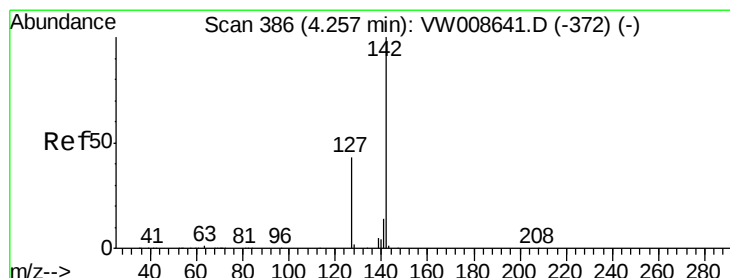
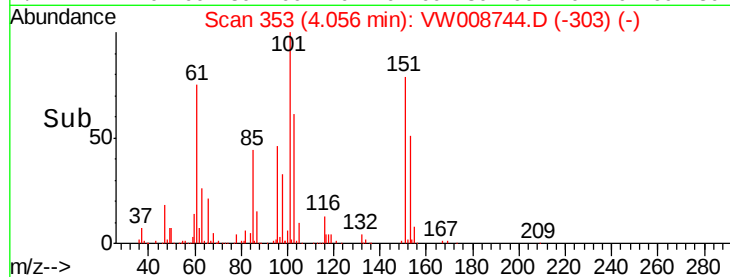
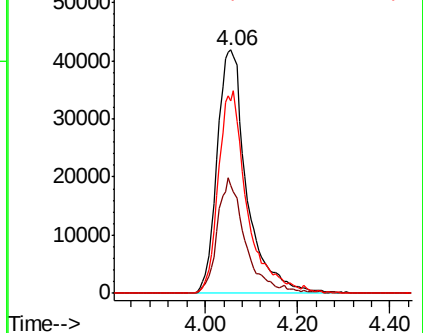
151 80.1 65.6 98.4



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: 50.917 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

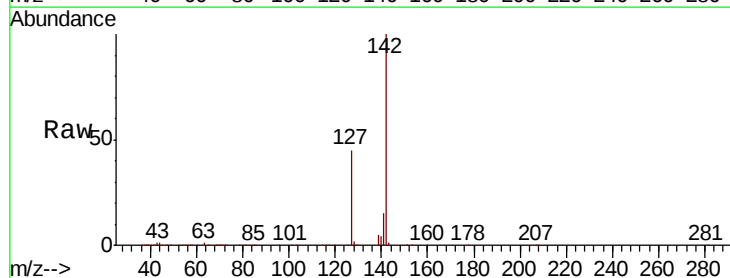
Tgt Ion:142 Resp: 278083

Ion Ratio Lower Upper

142 100

127 44.3 34.8 52.2

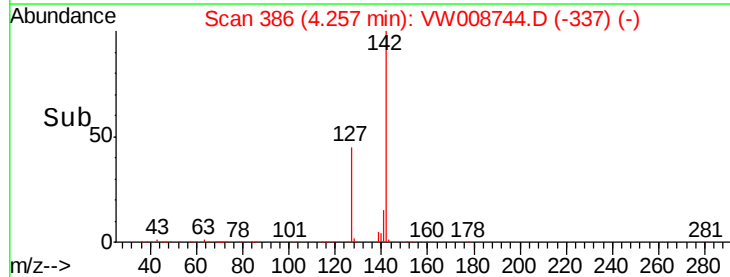
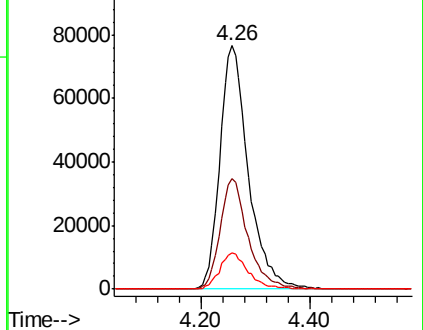
141 15.0 11.8 17.8

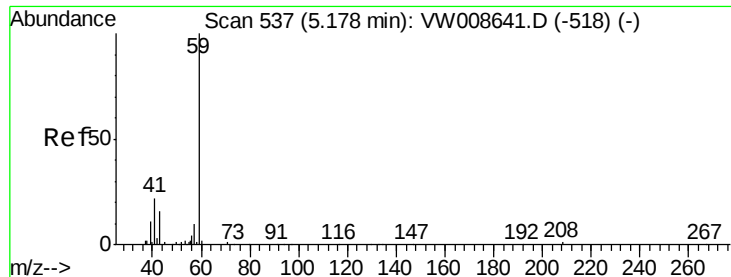


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

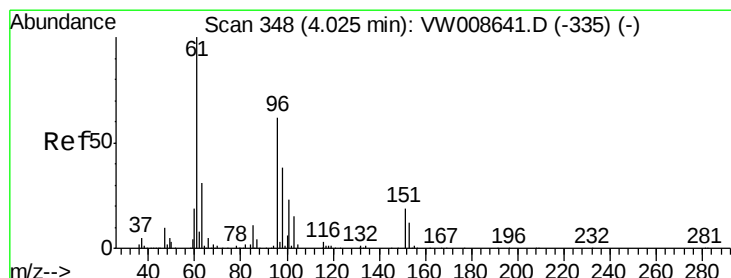
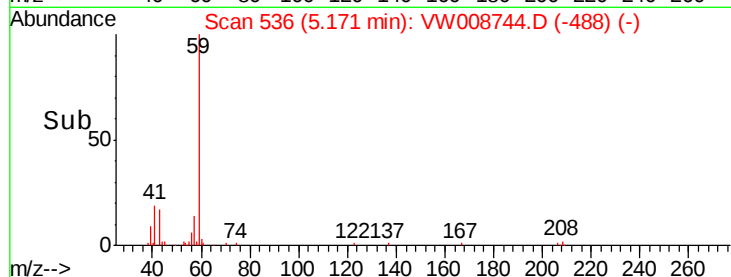
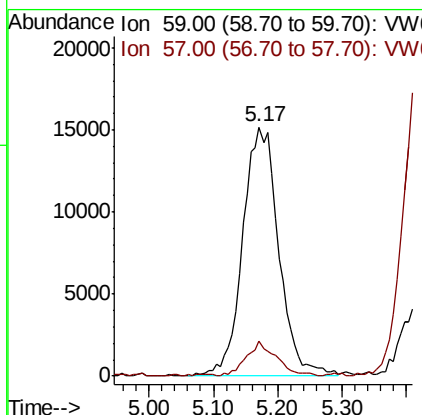
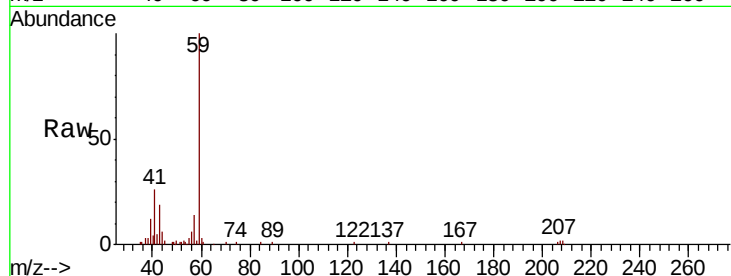




#11
Tert butyl alcohol
Concen: 200.535 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

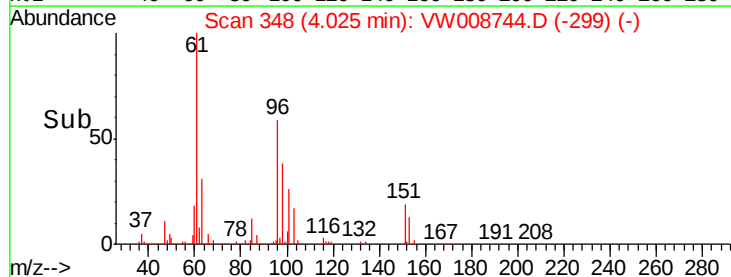
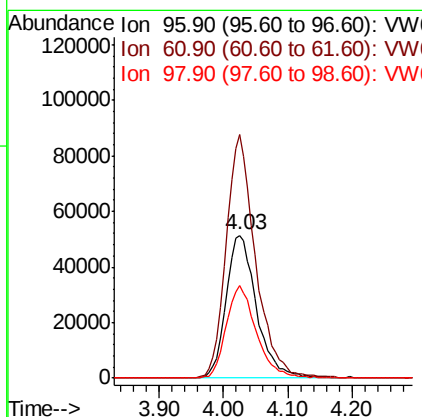
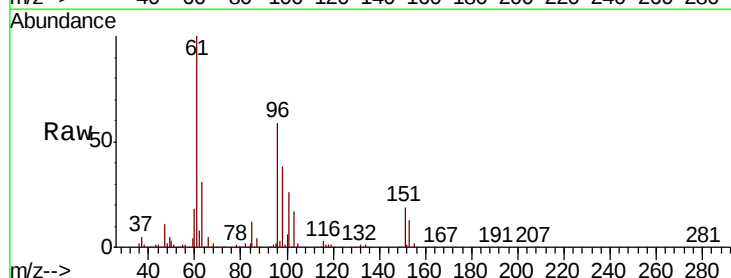
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

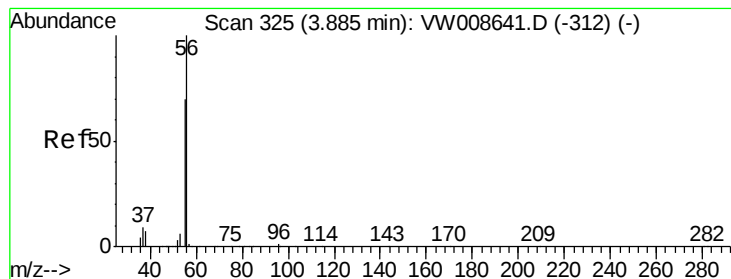
Tgt Ion: 59 Resp: 58469
Ion Ratio Lower Upper
59 100
57 11.7 8.3 12.5



#12
1,1-Dichloroethene
Concen: 49.849 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion: 96 Resp: 170585
Ion Ratio Lower Upper
96 100
61 170.3 129.8 194.6
98 64.5 49.3 73.9





#13

Acrolein

Concen: 200.946 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

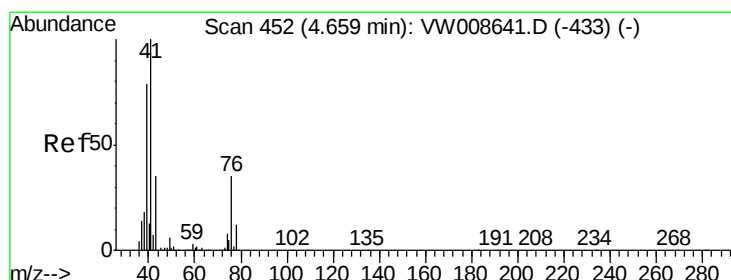
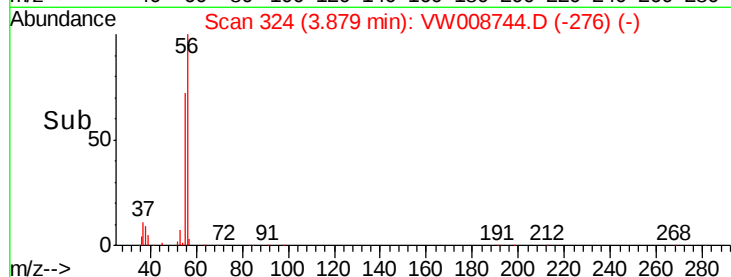
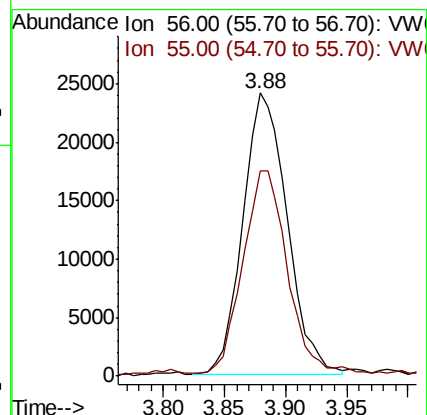
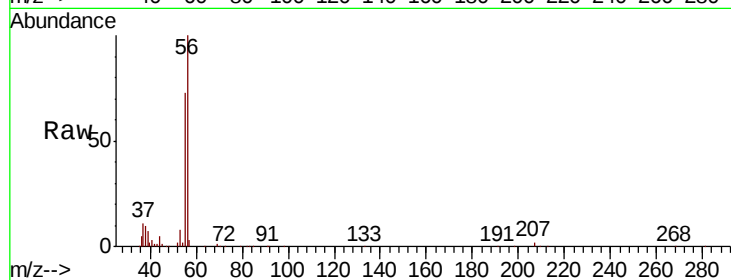
VSTDCCC050

Tgt Ion: 56 Resp: 60364

Ion Ratio Lower Upper

56 100

55 73.0 57.4 86.2



#14

Allyl chloride

Concen: 48.258 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

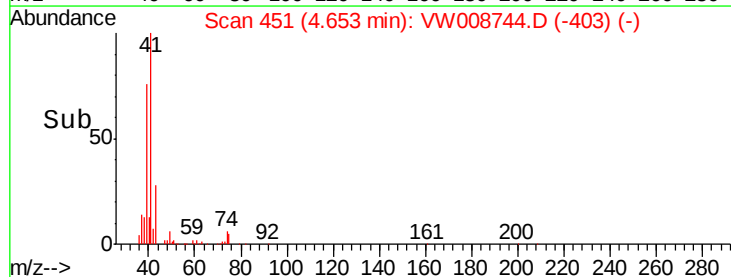
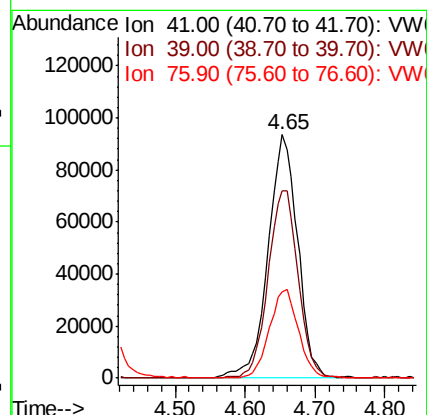
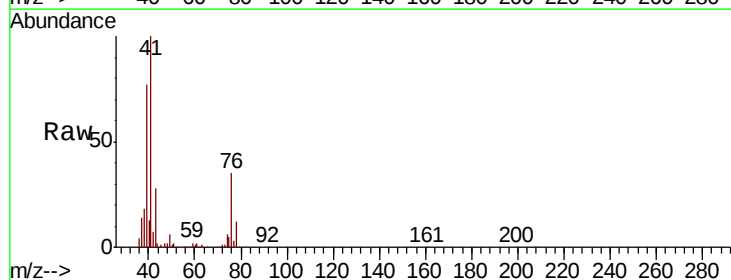
Tgt Ion: 41 Resp: 274366

Ion Ratio Lower Upper

41 100

39 78.4 61.7 92.5

76 35.5 27.7 41.5





#15

Acrylonitrile

Concen: 226.086 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

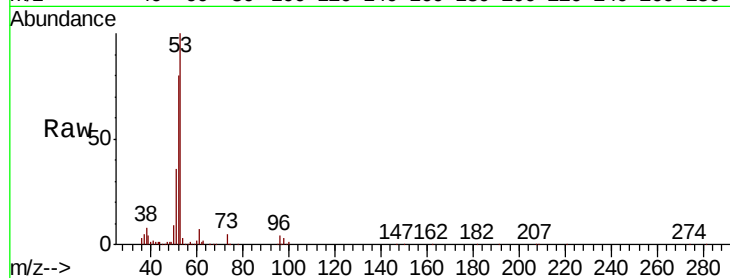
Tgt Ion: 53 Resp: 188032

Ion Ratio Lower Upper

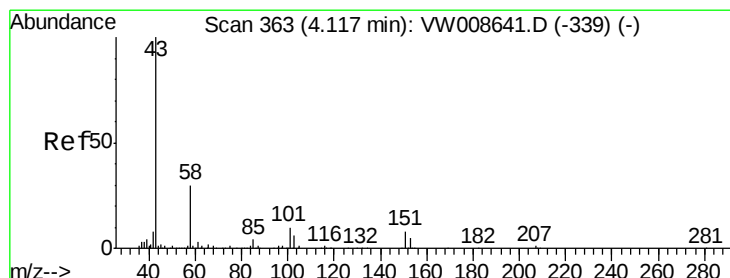
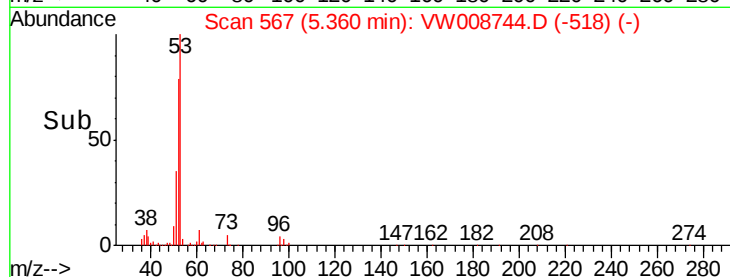
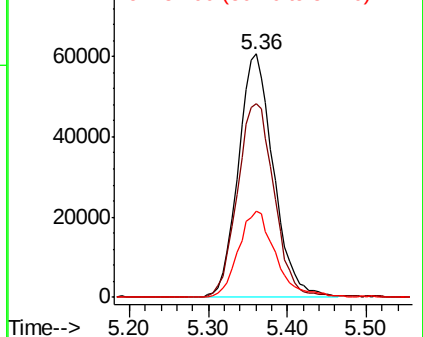
53 100

52 83.2 66.8 100.2

51 37.6 29.4 44.0



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: 260.855 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008744.D

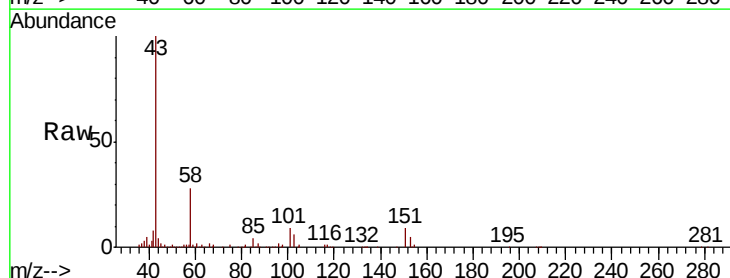
Acq: 19 Feb 2019 11:12

Tgt Ion: 43 Resp: 216314

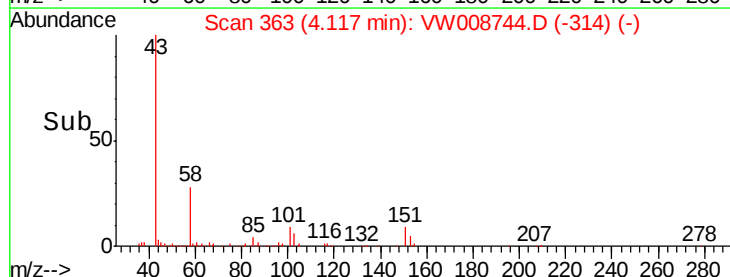
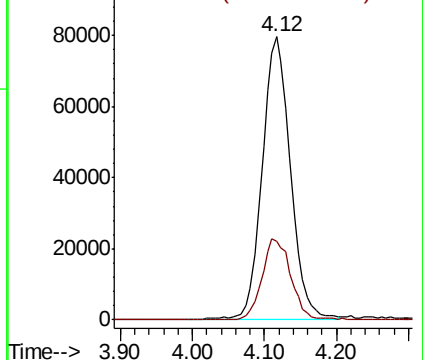
Ion Ratio Lower Upper

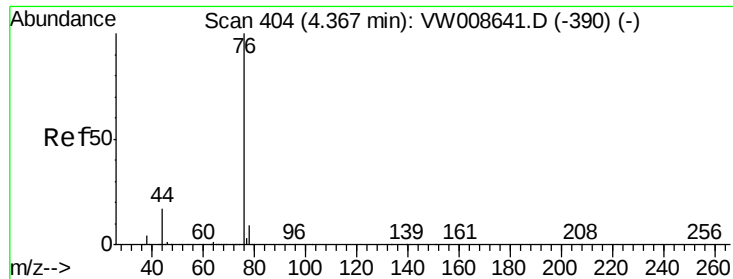
43 100

58 27.5 24.1 36.1



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





#17

Carbon Disulfide

Concen: 49.575 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

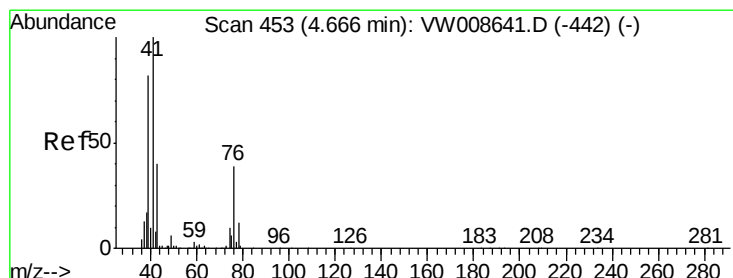
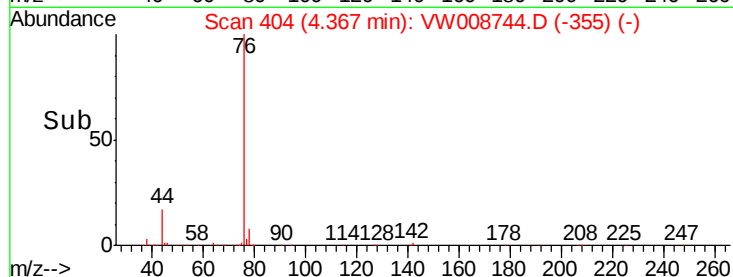
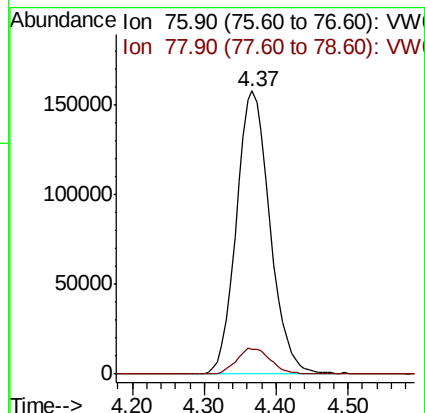
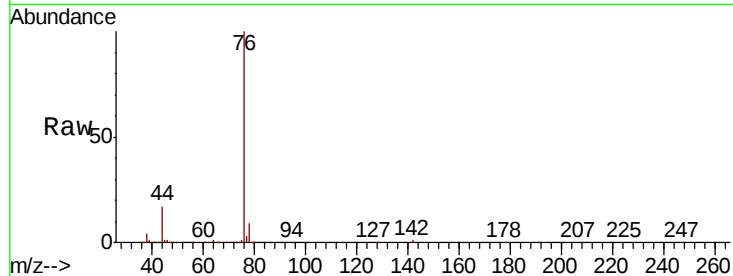
VSTDCCC050

Tgt Ion: 76 Resp: 511953

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



#18

Methyl Acetate

Concen: 44.296 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008744.D

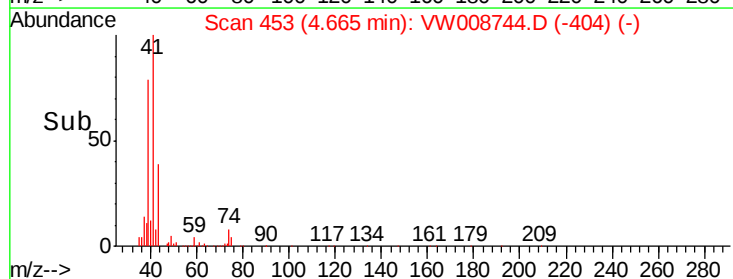
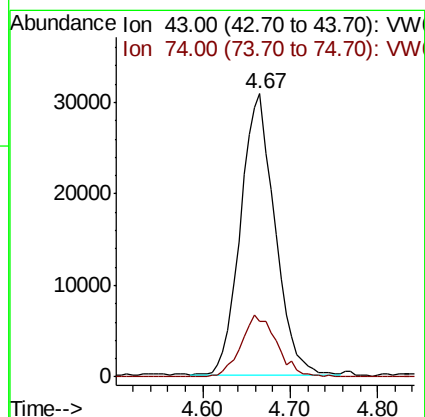
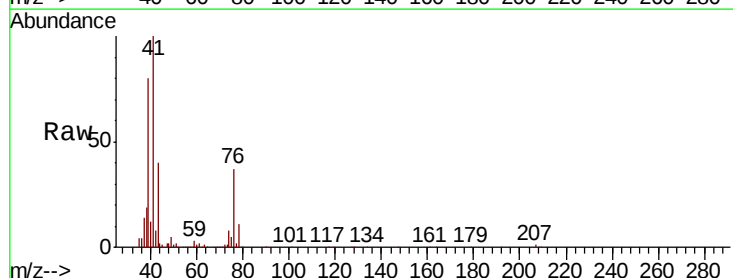
Acq: 19 Feb 2019 11:12

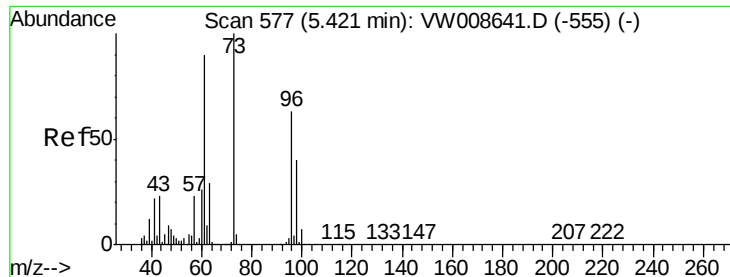
Tgt Ion: 43 Resp: 83937

Ion Ratio Lower Upper

43 100

74 23.1 19.0 28.4



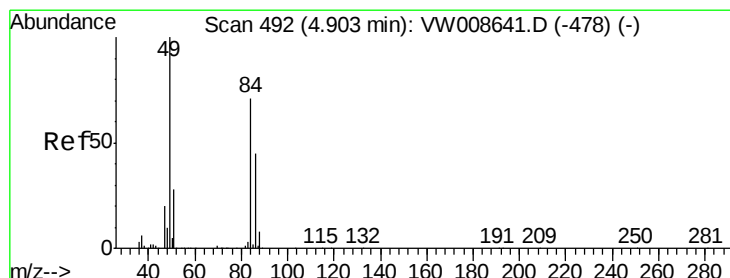
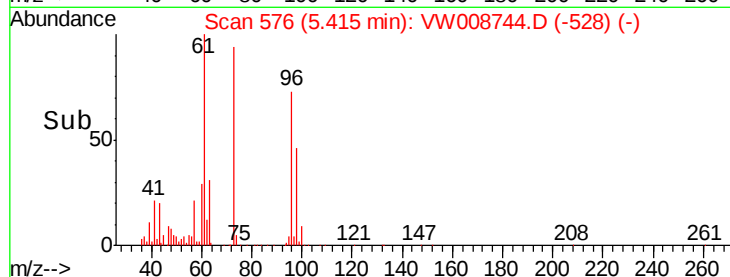
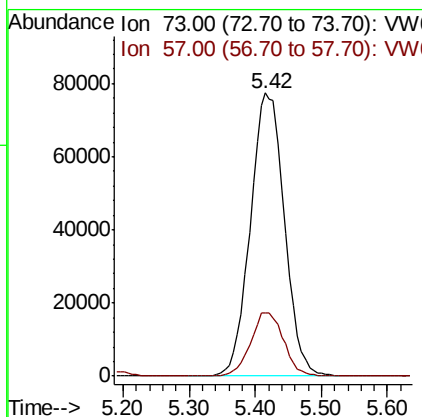
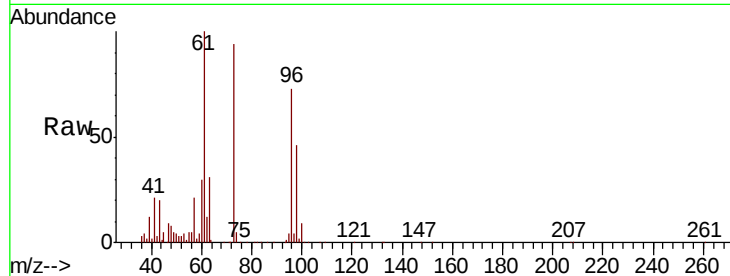


#19

Methyl tert-butyl Ether
Concen: 46.083 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

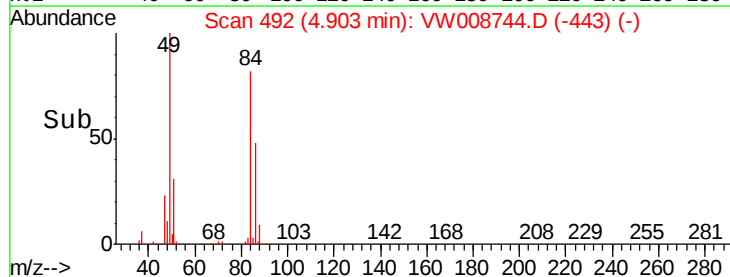
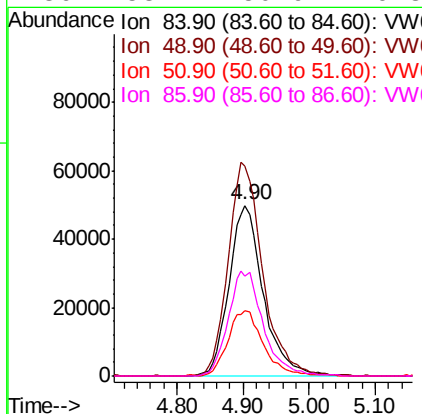
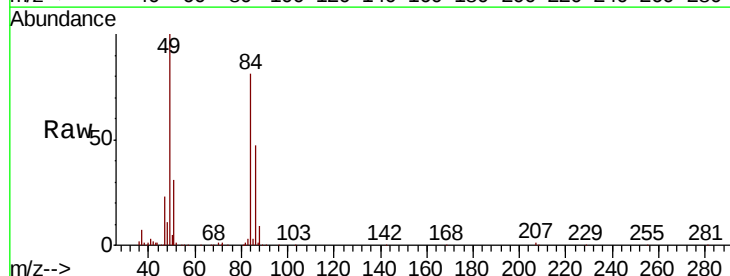
Tgt Ion: 73 Resp: 276831
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.2

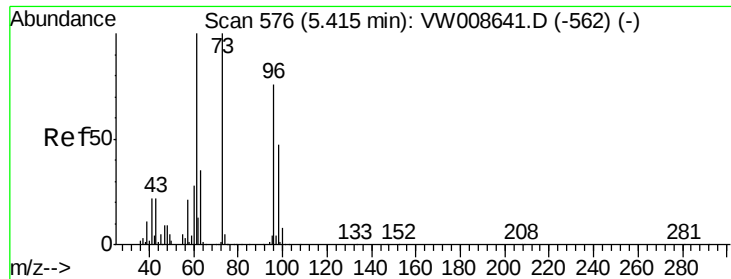


#20

Methylene Chloride
Concen: 48.601 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion: 84 Resp: 178308
Ion Ratio Lower Upper
84 100
49 122.7 113.3 169.9
51 37.9 32.1 48.1
86 58.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.261 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

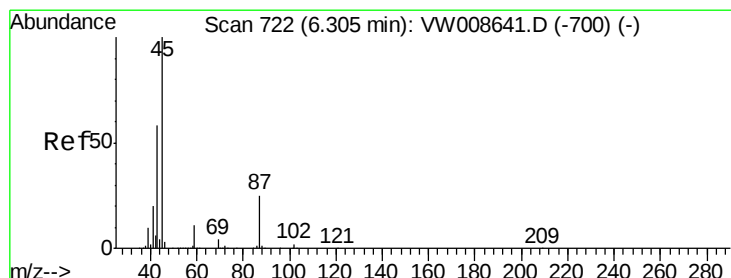
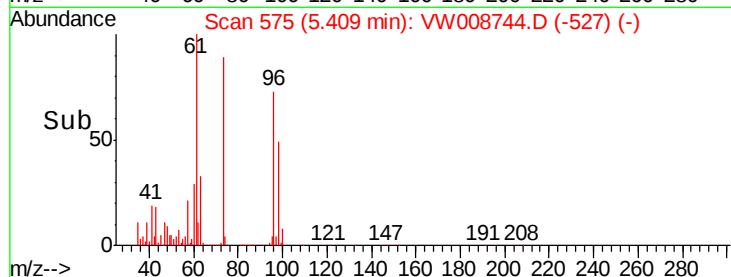
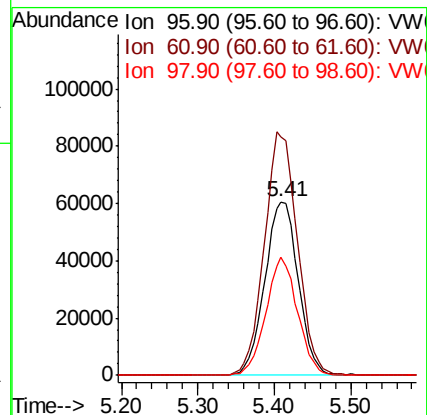
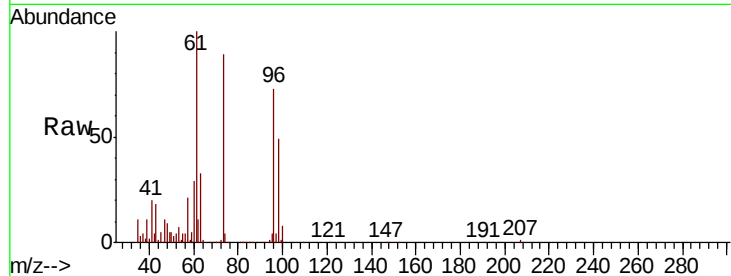
Tgt Ion: 96 Resp: 184607

Ion Ratio Lower Upper

96 100

61 137.1 105.9 158.9

98 67.8 49.8 74.6



#22

Diisopropyl ether

Concen: 46.625 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Tgt Ion: 45 Resp: 533522

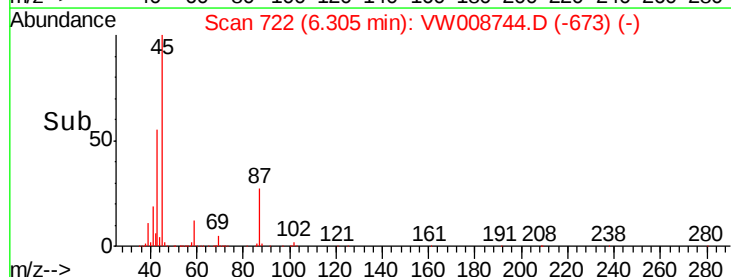
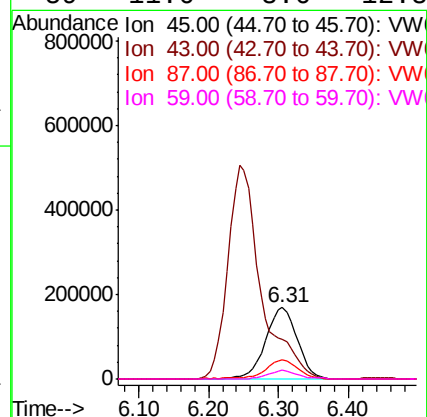
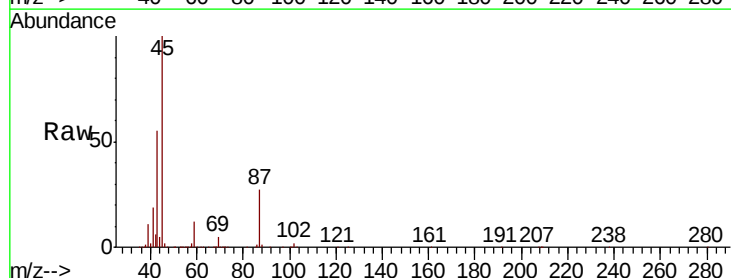
Ion Ratio Lower Upper

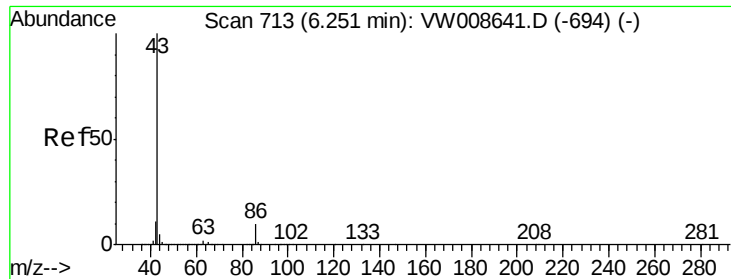
45 100

43 54.7 46.1 69.1

87 26.7 20.5 30.7

59 11.6 8.6 12.8





#23

Vinyl Acetate

Concen: 223.804 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

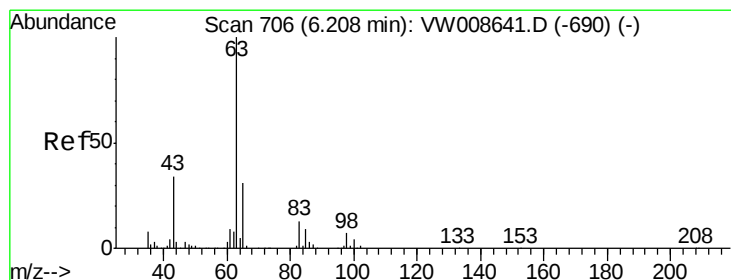
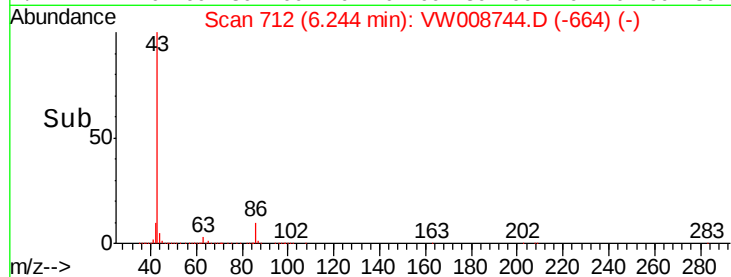
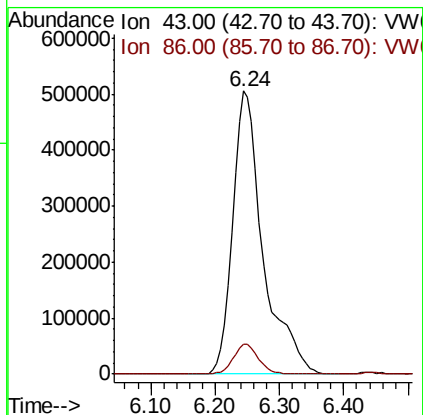
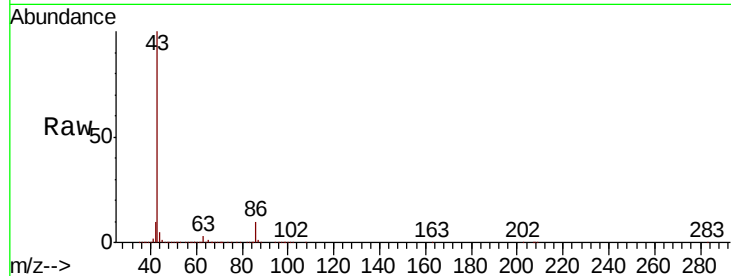
VSTDCCC050

Tgt Ion: 43 Resp: 1662117

Ion Ratio Lower Upper

43 100

86 10.4 7.9 11.9



#24

1,1-Dichloroethane

Concen: 48.381 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

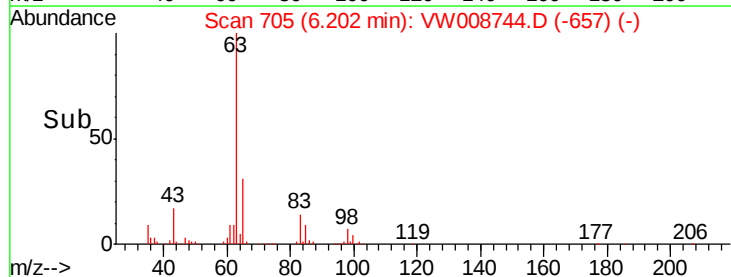
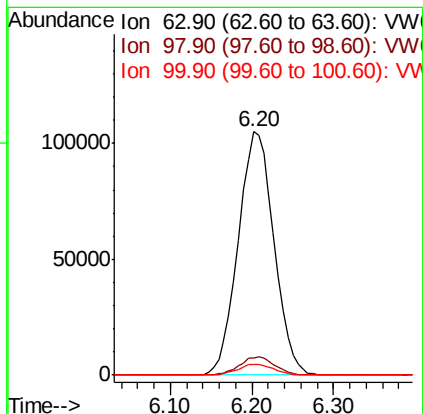
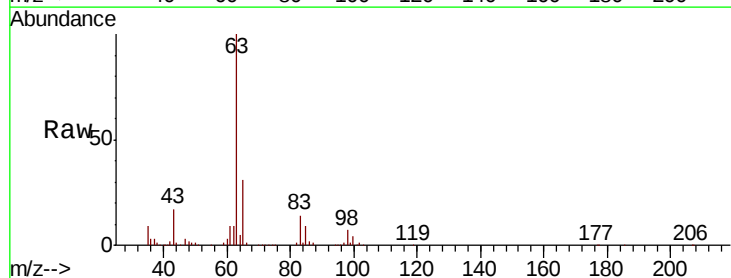
Tgt Ion: 63 Resp: 319460

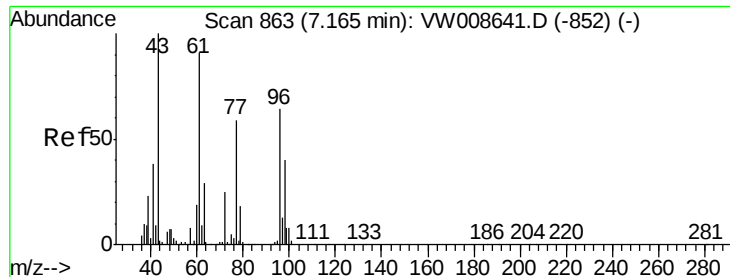
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 234.331 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

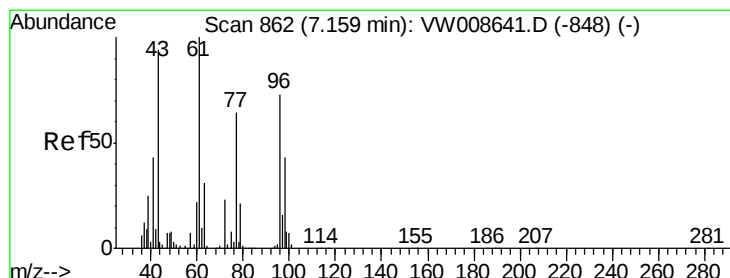
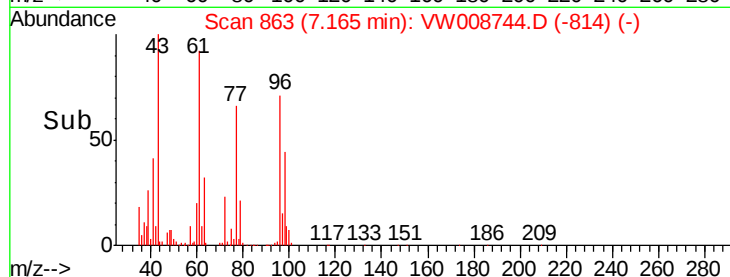
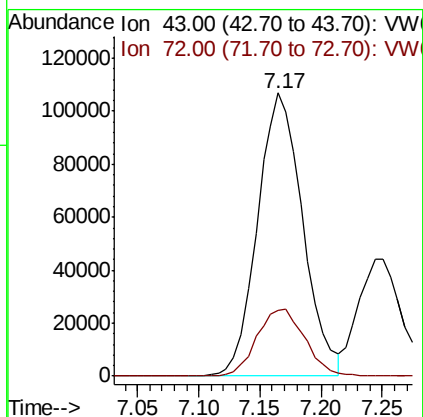
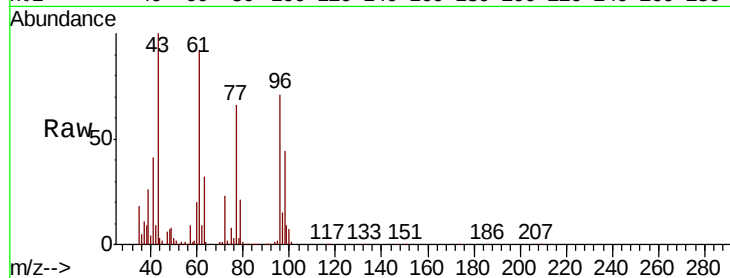
VSTDCCC050

Tgt Ion: 43 Resp: 274389

Ion Ratio Lower Upper

43 100

72 23.5 19.7 29.5



#26

2,2-Dichloropropane

Concen: 52.748 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW008744.D

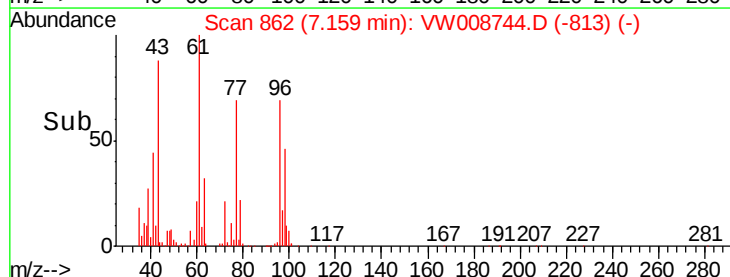
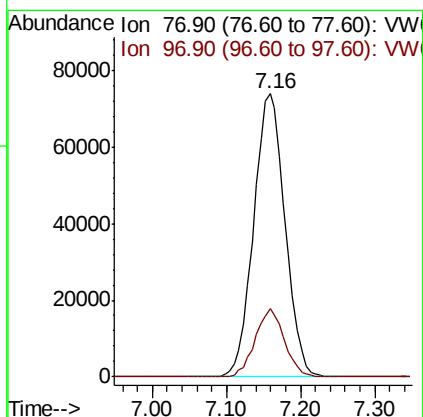
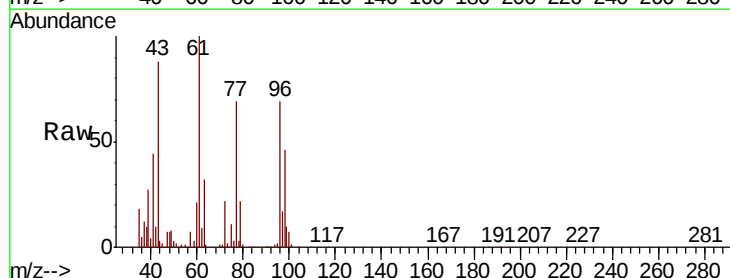
Acq: 19 Feb 2019 11:12

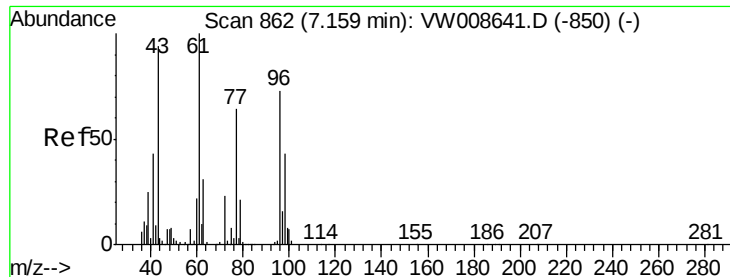
Tgt Ion: 77 Resp: 217582

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.0



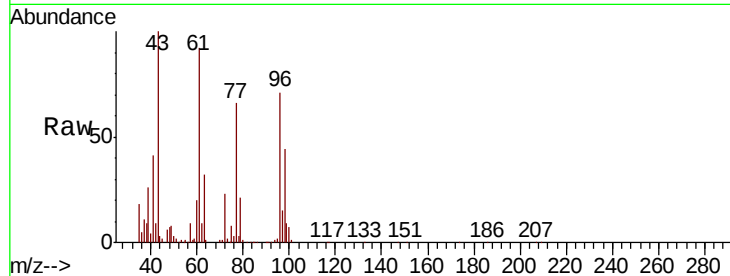


#27

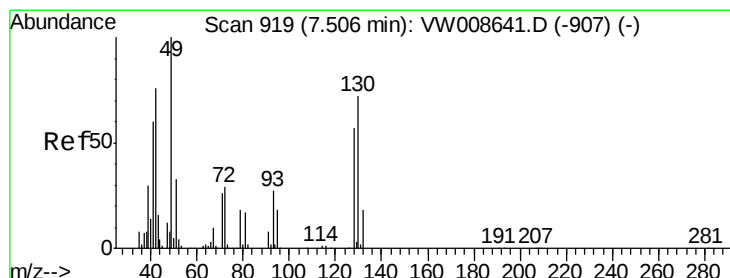
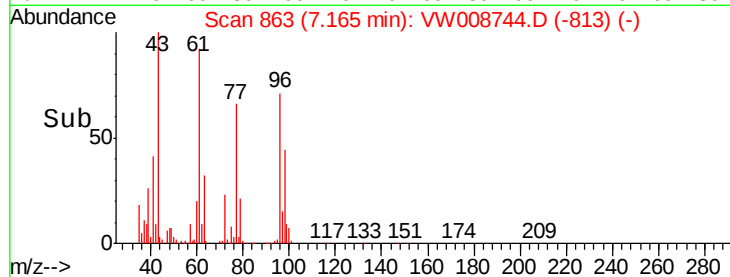
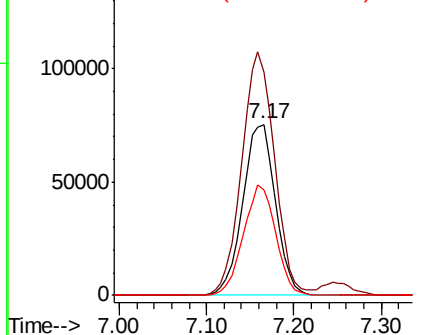
cis-1,2-Dichloroethene
 Concen: 48.642 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	286.4
98	63.6	0.0	125.0



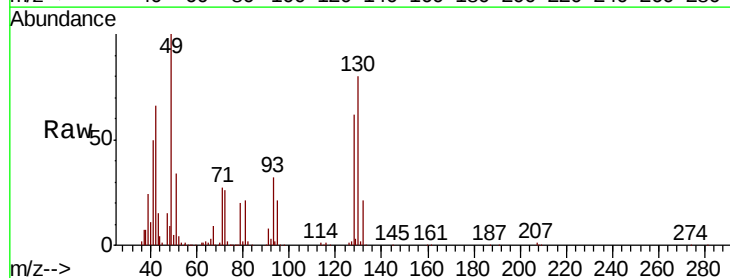
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



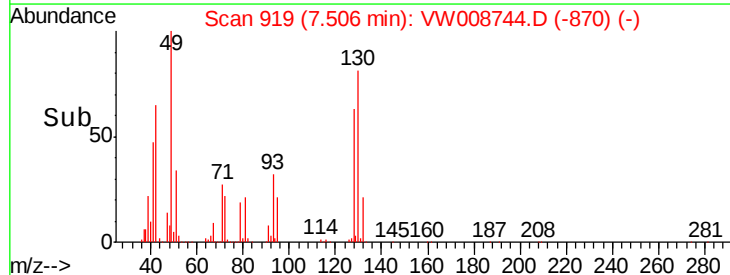
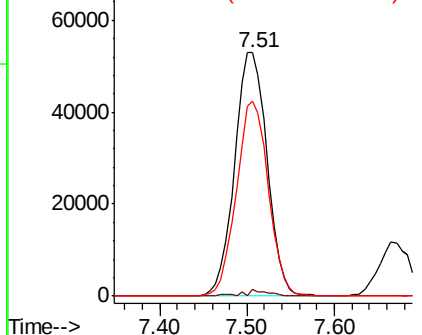
#28

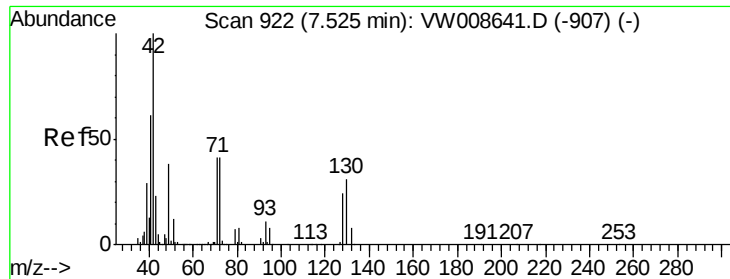
Bromochloromethane
 Concen: 49.163 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	78.5	59.4	89.0



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: 212.212 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

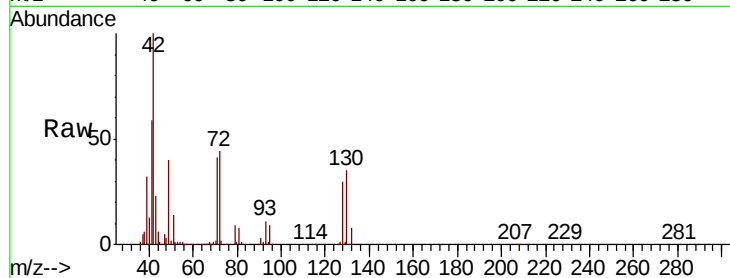
Tgt Ion: 42 Resp: 163783

Ion Ratio Lower Upper

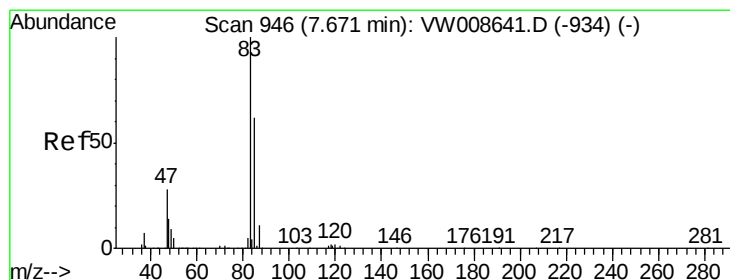
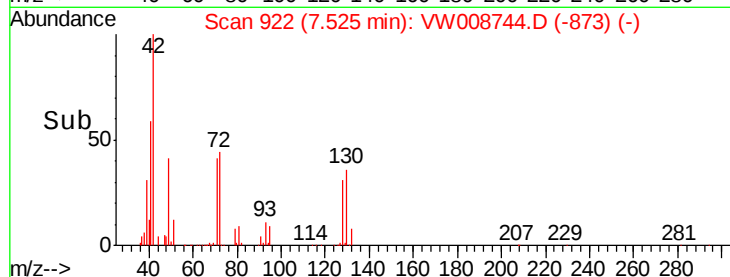
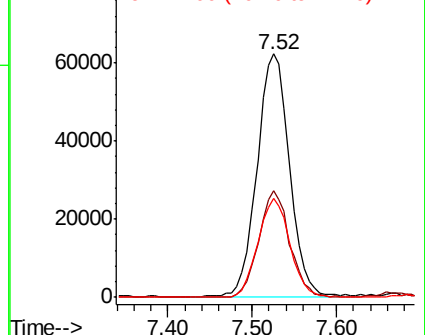
42 100

72 42.1 32.2 48.2

71 40.2 31.0 46.6



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 50.160 ug/l

RT: 7.66 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW008744.D

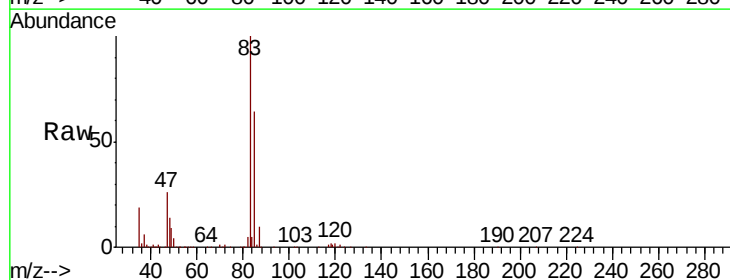
Acq: 19 Feb 2019 11:12

Tgt Ion: 83 Resp: 331870

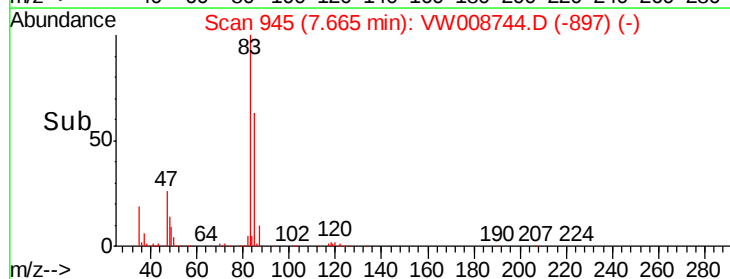
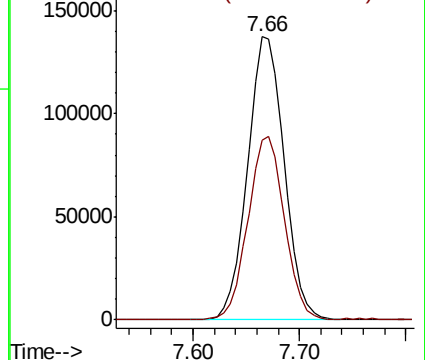
Ion Ratio Lower Upper

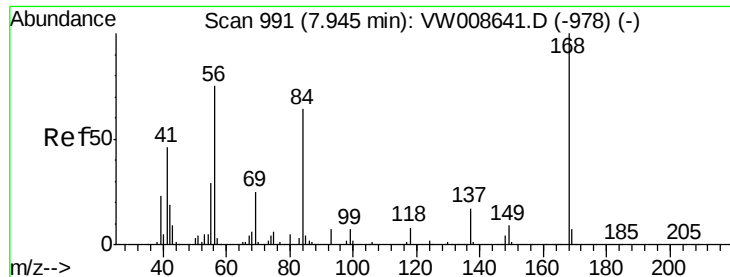
83 100

85 63.5 49.8 74.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

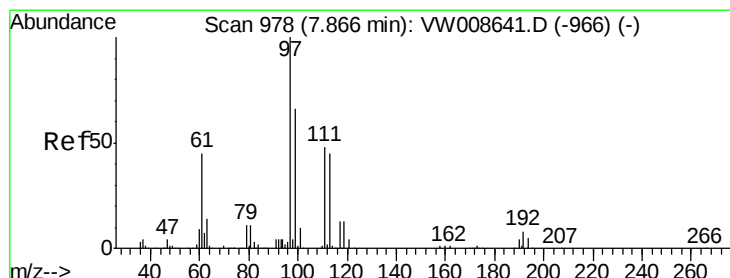
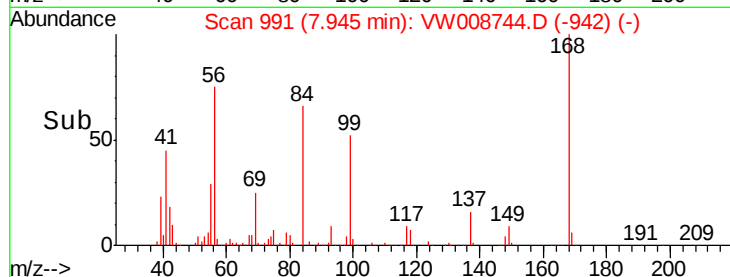
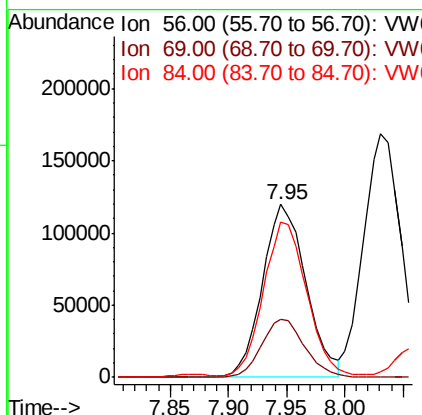
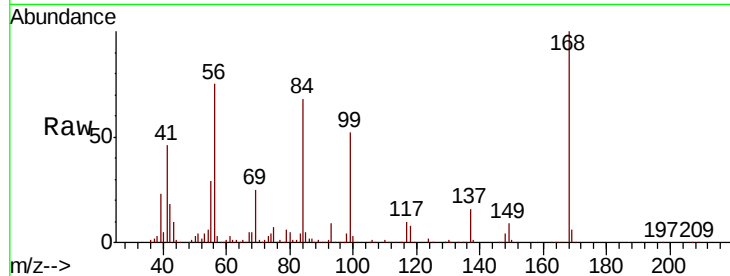




#31
Cyclohexane
Concen: 46.541 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

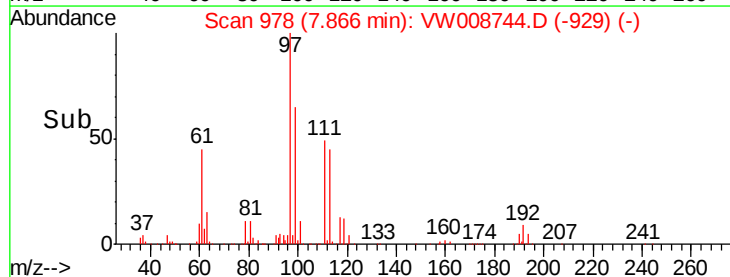
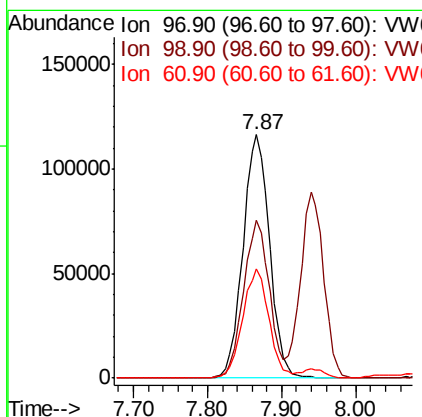
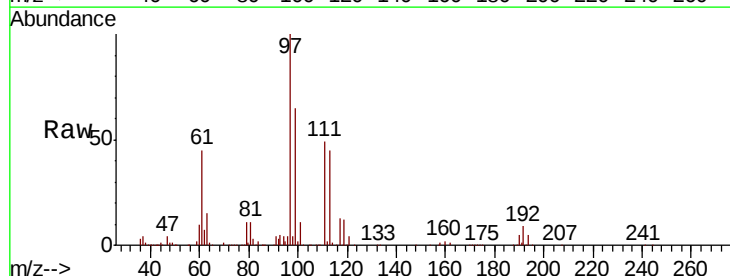
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

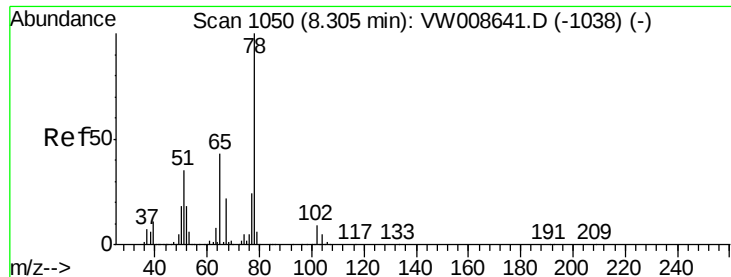
Tgt Ion: 56 Resp: 310181
Ion Ratio Lower Upper
56 100
69 33.3 26.4 39.6
84 88.5 67.4 101.2



#32
1,1,1-Trichloroethane
Concen: 52.140 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion: 97 Resp: 291347
Ion Ratio Lower Upper
97 100
99 63.2 51.6 77.4
61 44.4 35.8 53.6

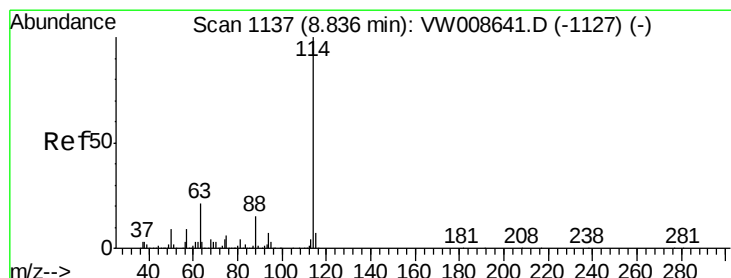
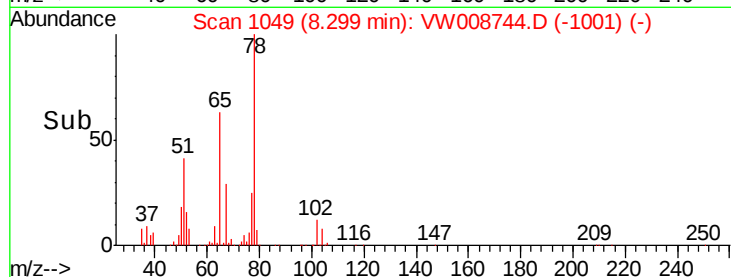
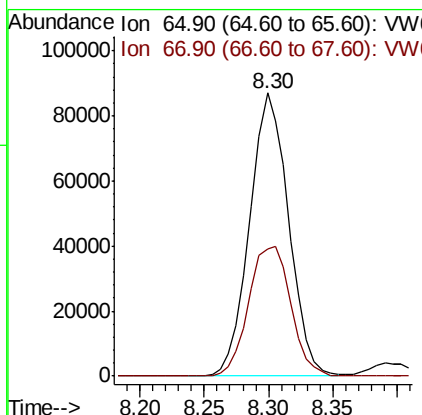
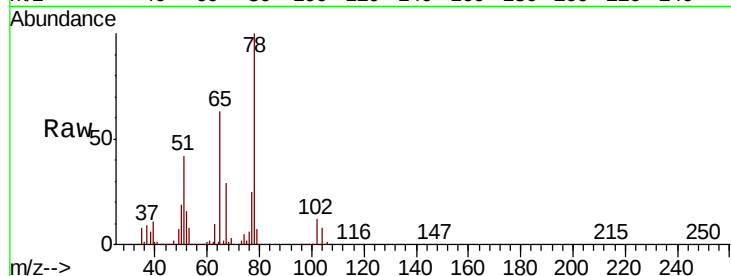




#33
 1,2-Dichloroethane-d4
 Concen: 49.932 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

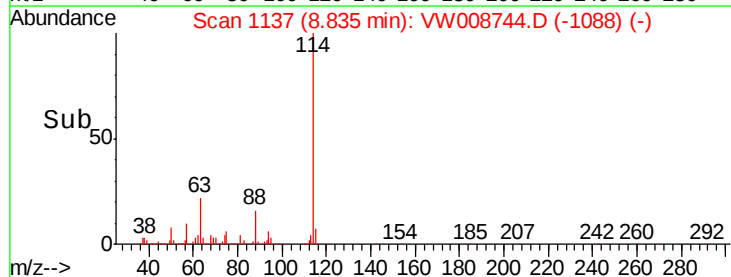
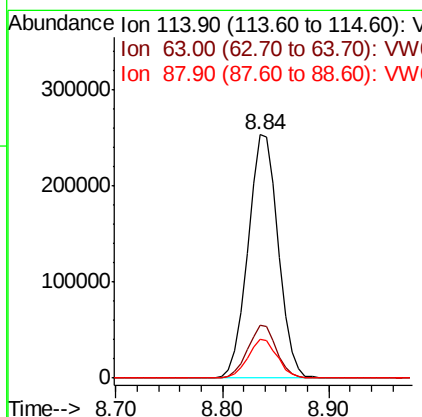
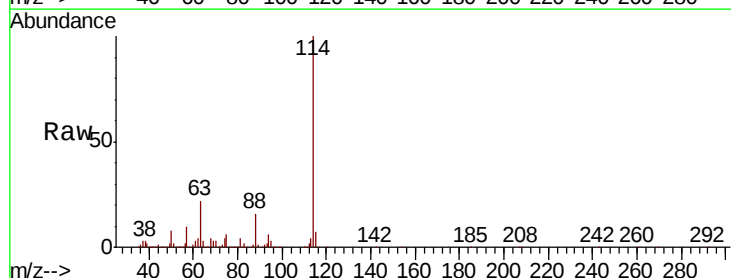
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

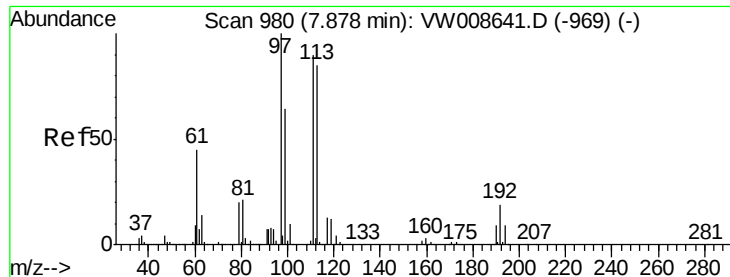
Tgt Ion: 65 Resp: 181959
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Tgt Ion: 114 Resp: 505274
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.2
 88 15.7 0.0 29.6

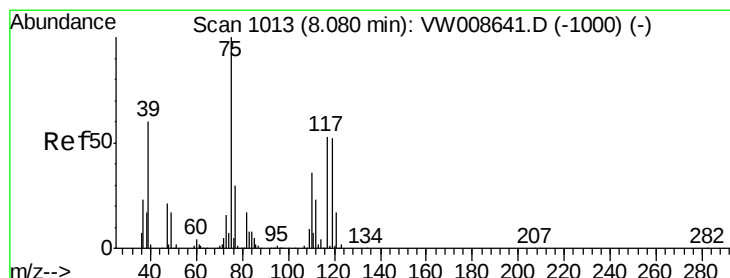
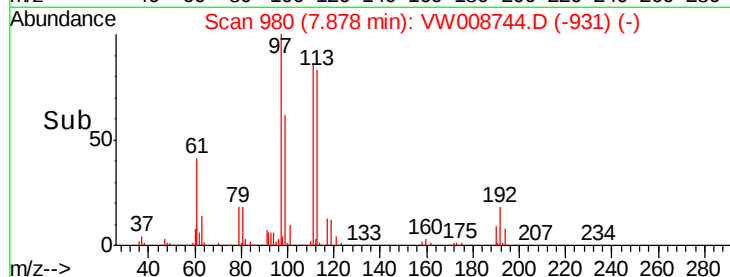
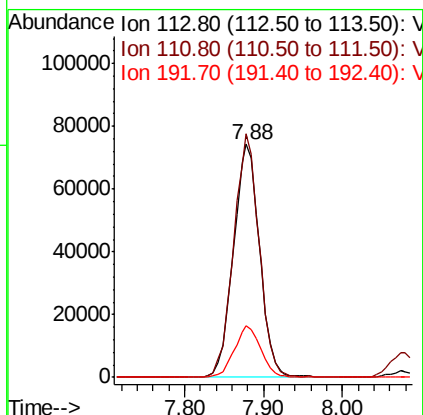
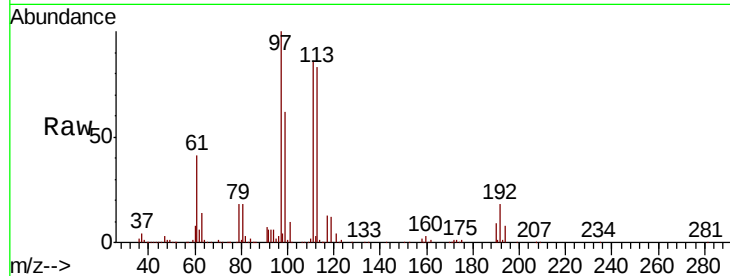




#35
 Dibromofluoromethane
 Concen: 54.551 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

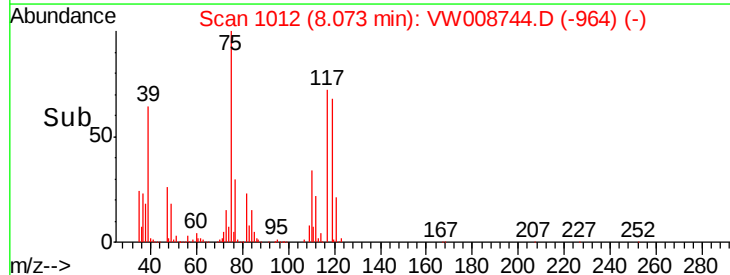
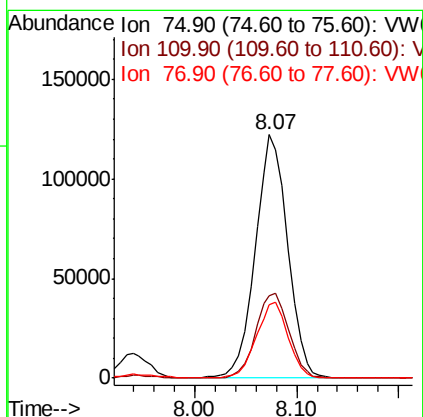
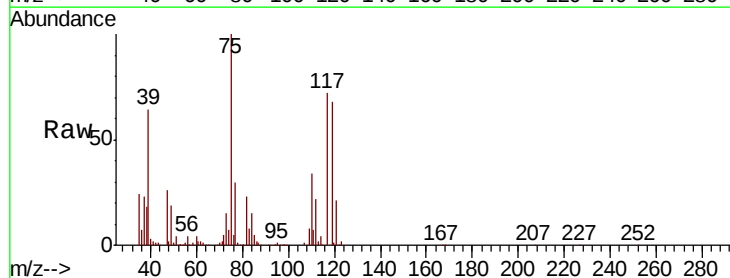
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

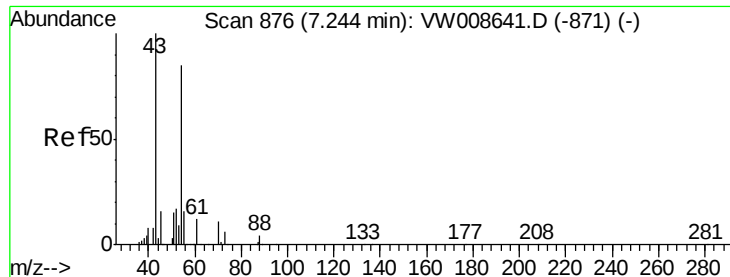
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	84.0	126.0
192	22.0	17.4	26.2



#36
 1,1-Dichloropropene
 Concen: 52.970 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.8	53.3
77	31.1	24.7	37.1

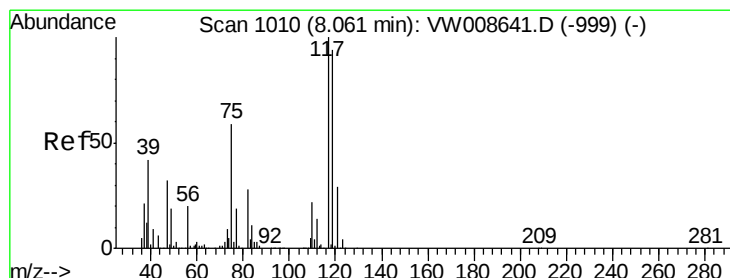
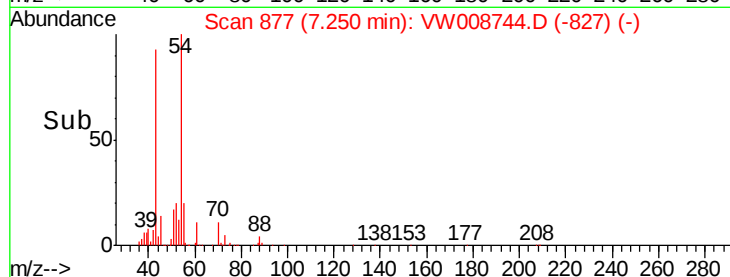
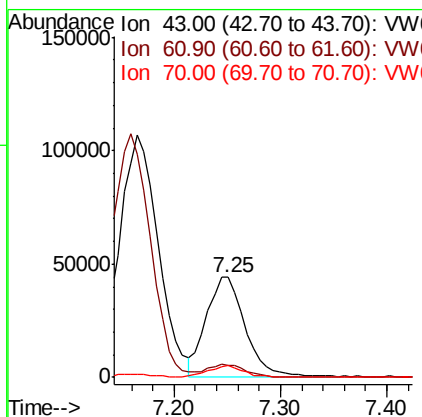
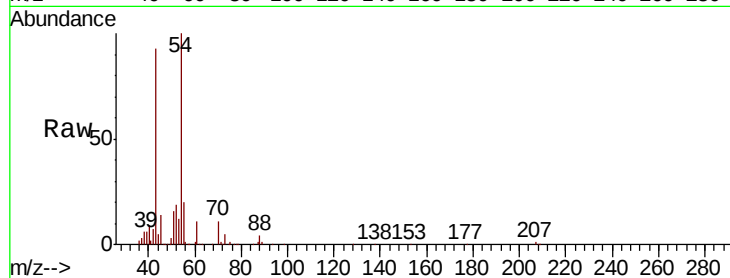




#37
Ethyl Acetate
Concen: 45.213 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

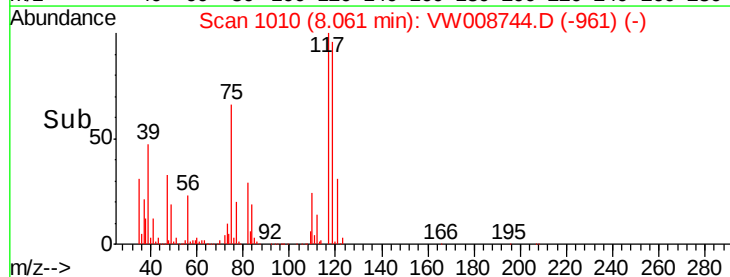
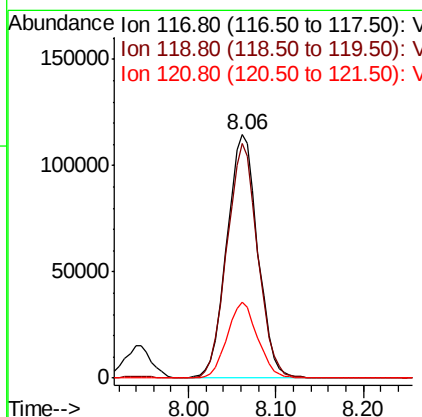
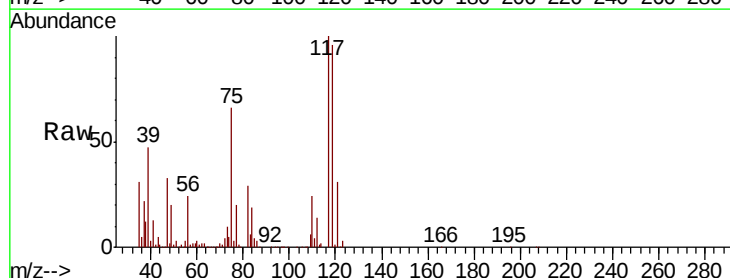
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

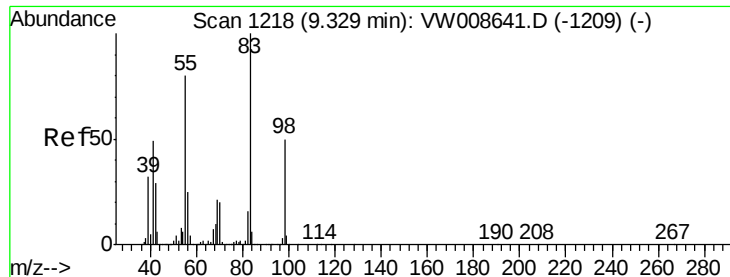
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	10.8	8.1	12.1



#38
Carbon Tetrachloride
Concen: 55.907 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.1	112.7
121	31.0	23.5	35.3





#39

Methylcyclohexane

Concen: 51.918 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

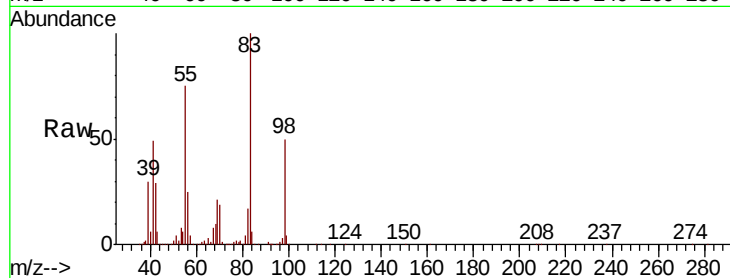
Tgt Ion: 83 Resp: 333354

Ion Ratio Lower Upper

83 100

55 75.2 63.9 95.9

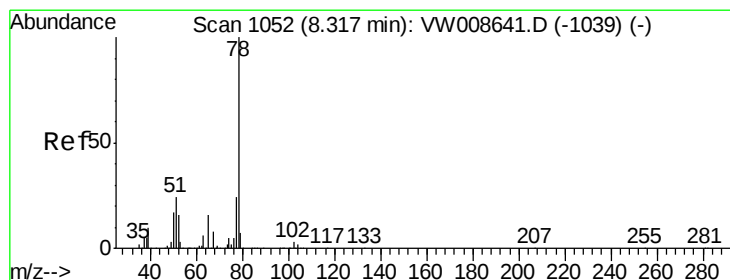
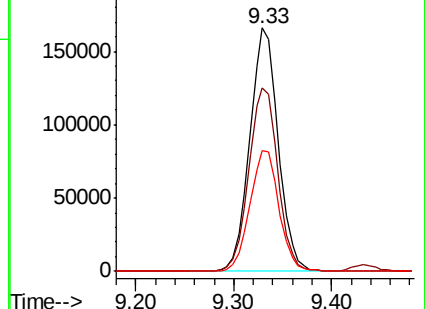
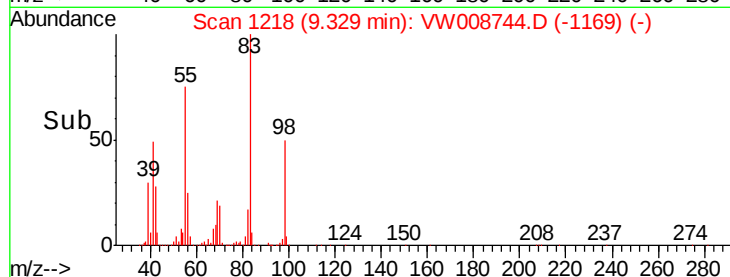
98 49.7 40.2 60.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 51.653 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW008744.D

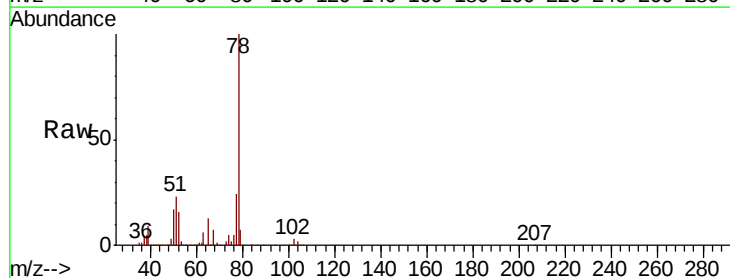
Acq: 19 Feb 2019 11:12

Tgt Ion: 78 Resp: 716124

Ion Ratio Lower Upper

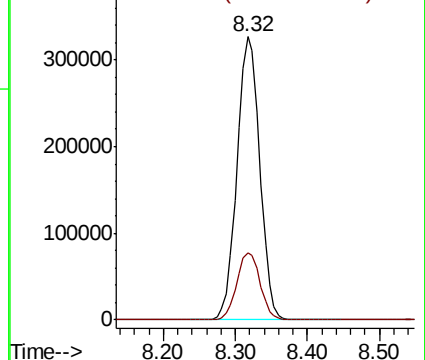
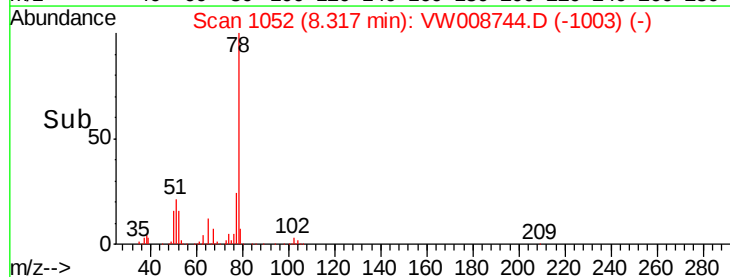
78 100

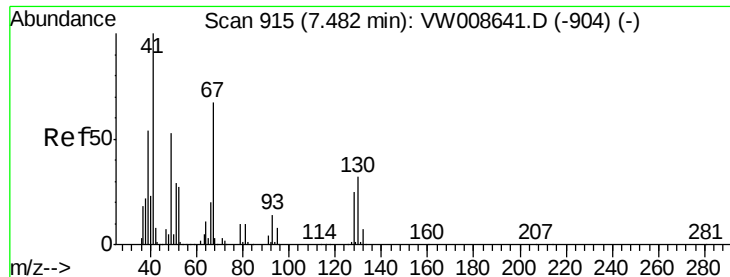
77 23.7 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

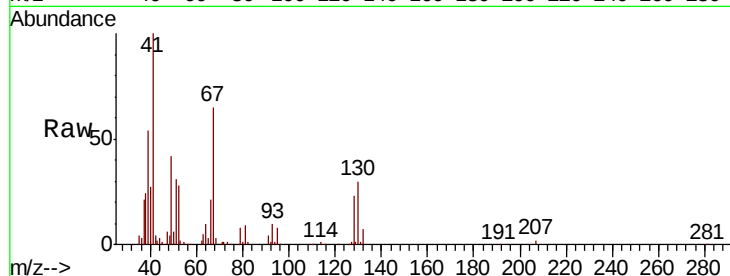




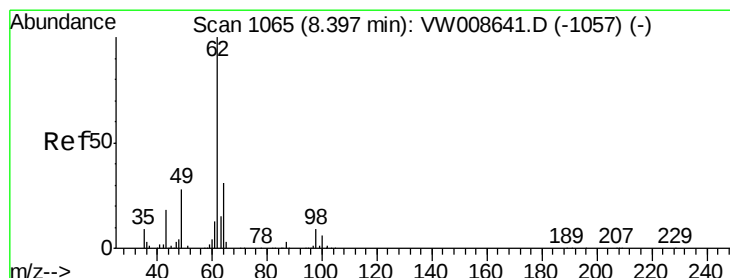
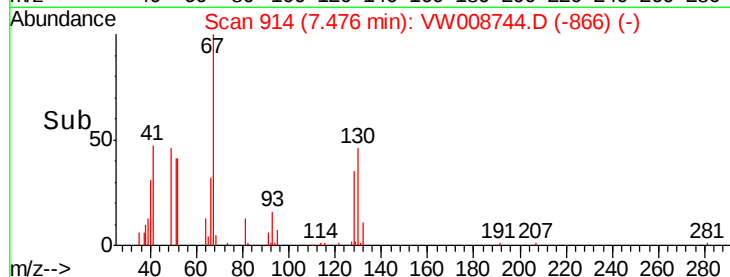
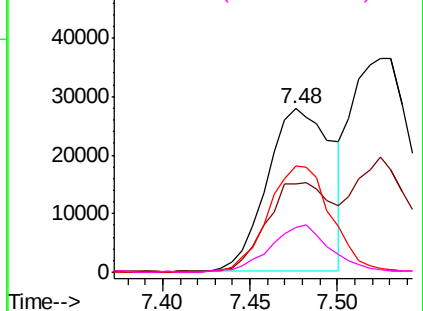
#41
Methacrylonitrile
Concen: 52.439 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	72249
Ion	Ratio	Lower	Upper
41	100		
39	54.3	39.7	59.5
67	63.8	52.5	78.7
52	27.5	23.1	34.7

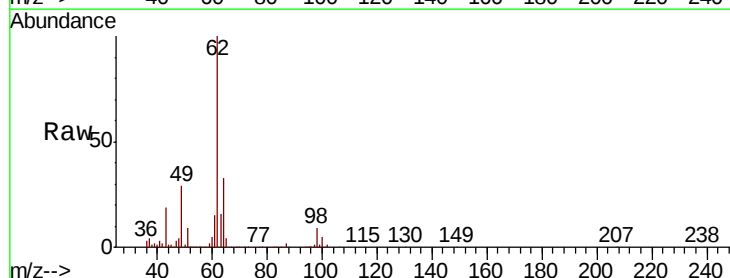


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

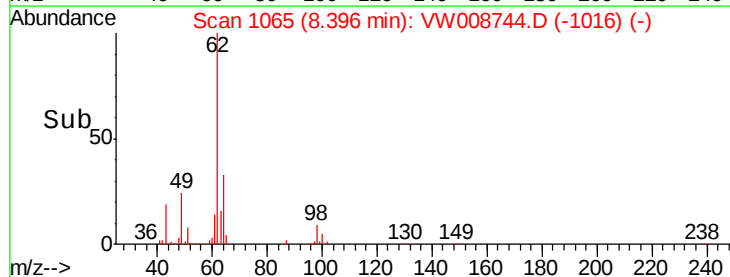
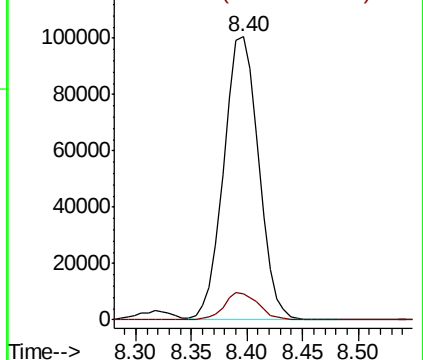


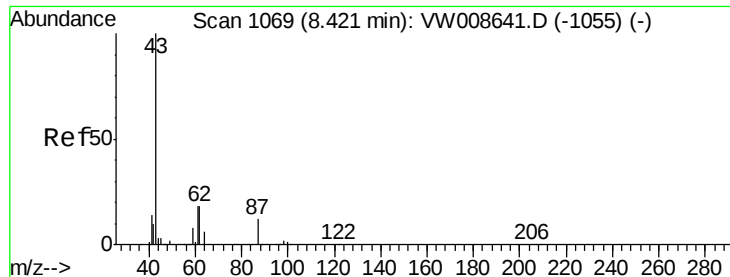
#42
1,2-Dichloroethane
Concen: 50.978 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion:	62	Resp:	219223
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 46.117 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

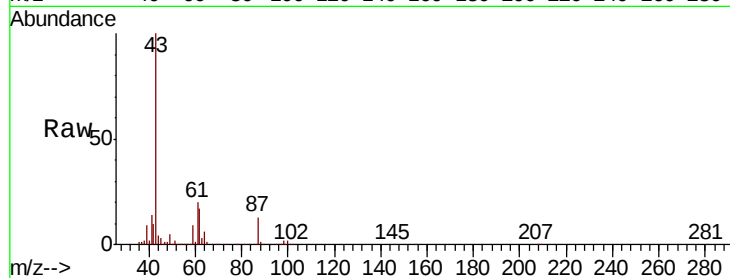
Tgt Ion: 43 Resp: 225181

Ion Ratio Lower Upper

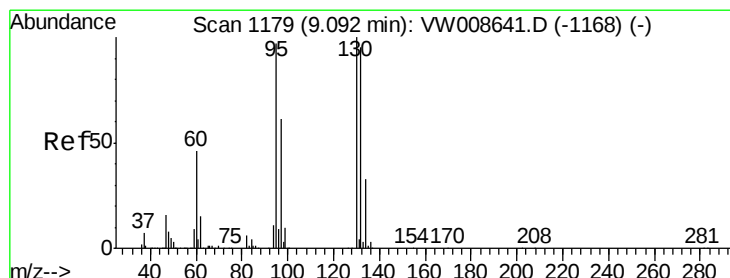
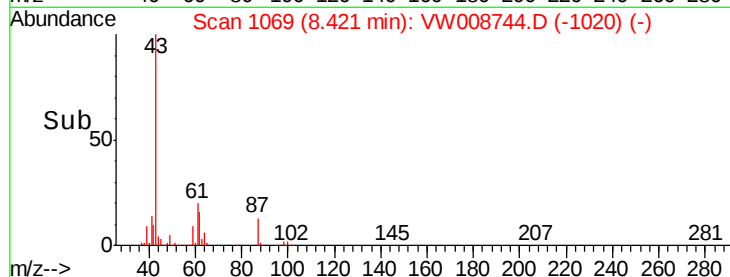
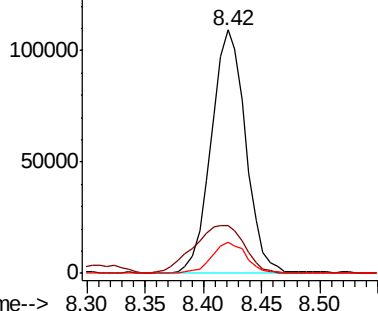
43 100

61 29.0 21.4 32.2

87 13.0 9.8 14.8



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: 52.565 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008744.D

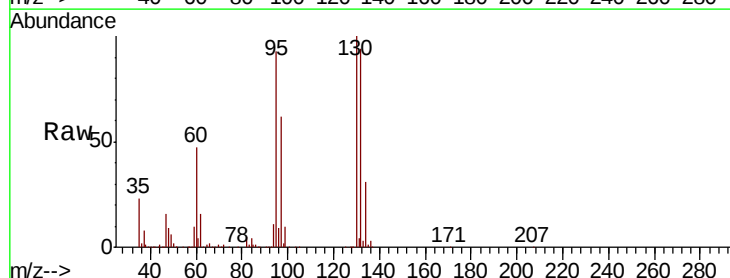
Acq: 19 Feb 2019 11:12

Tgt Ion: 130 Resp: 202063

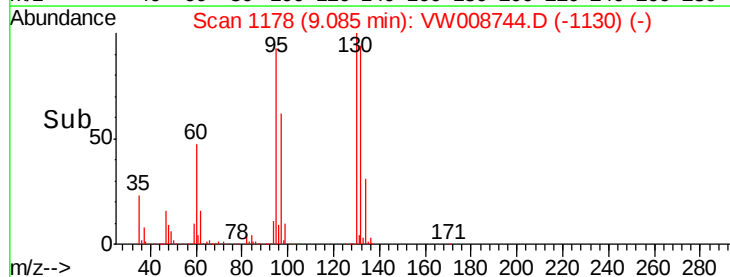
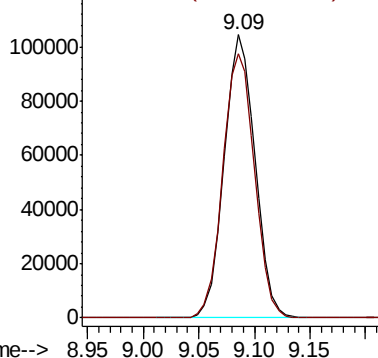
Ion Ratio Lower Upper

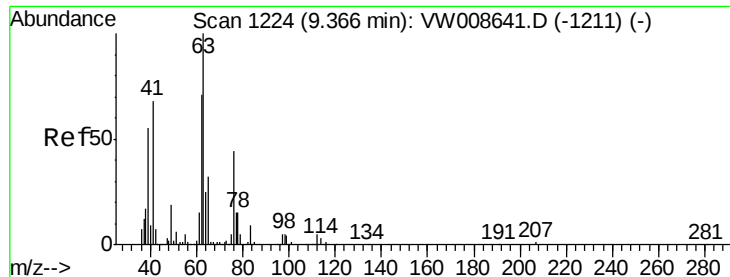
130 100

95 93.2 0.0 193.4



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

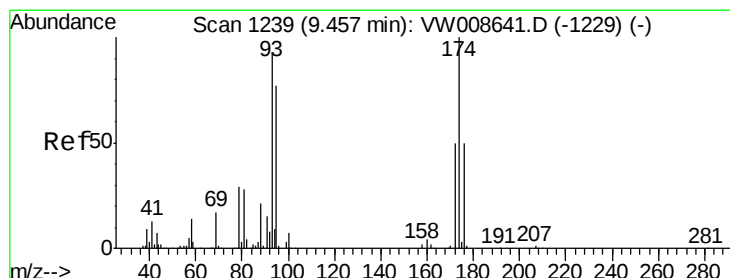
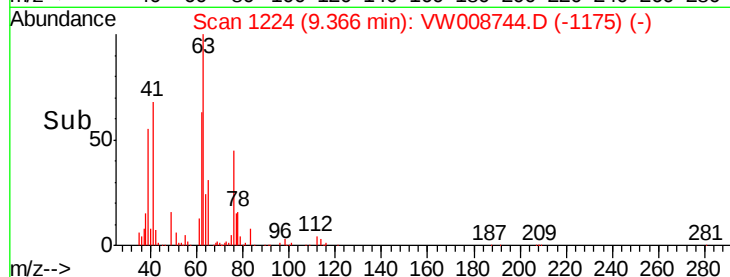
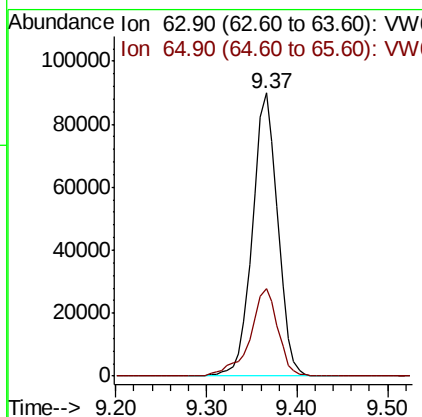
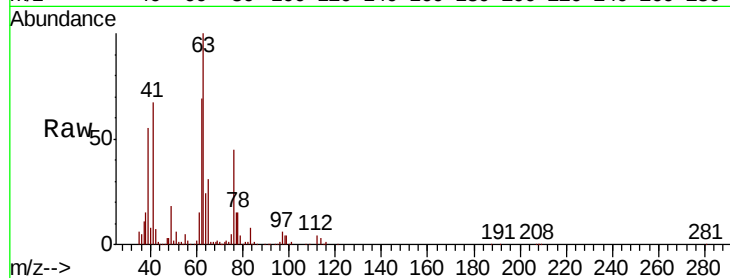




#45
 1,2-Dichloropropane
 Concen: 50.490 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

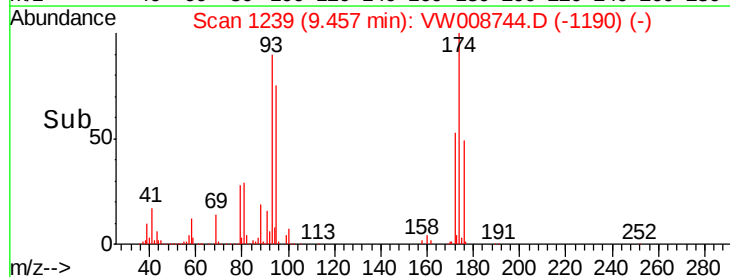
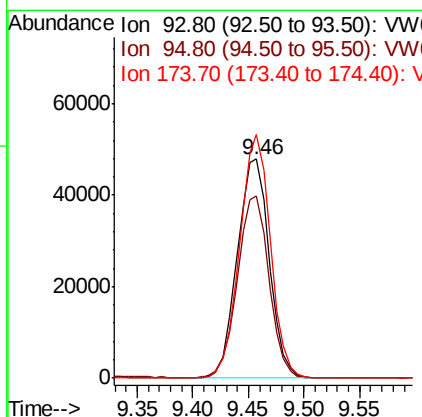
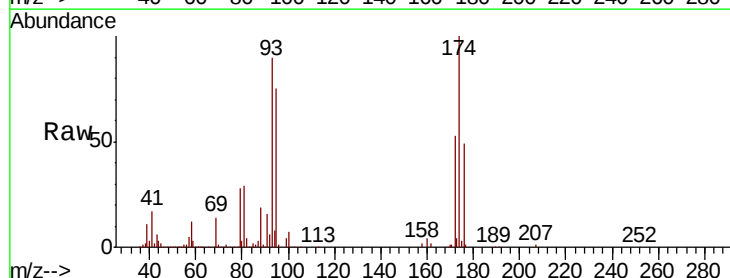
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

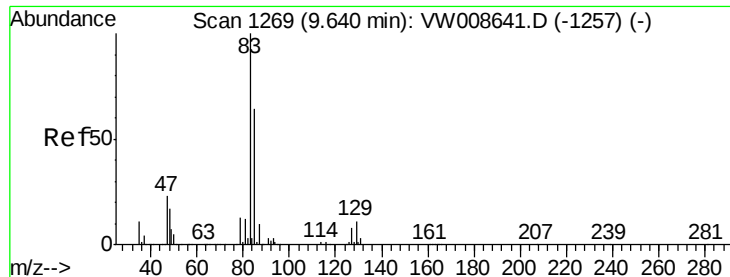
Tgt Ion: 63 Resp: 173237
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.4 38.0



#46
 Dibromomethane
 Concen: 50.489 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Tgt Ion: 93 Resp: 95428
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.8 98.8
 174 106.6 82.5 123.7

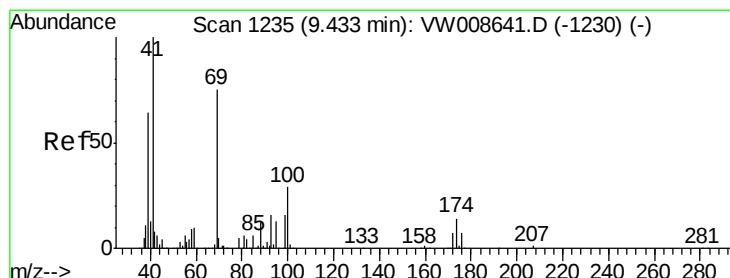
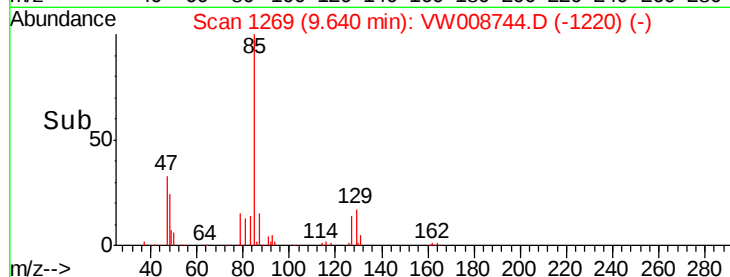
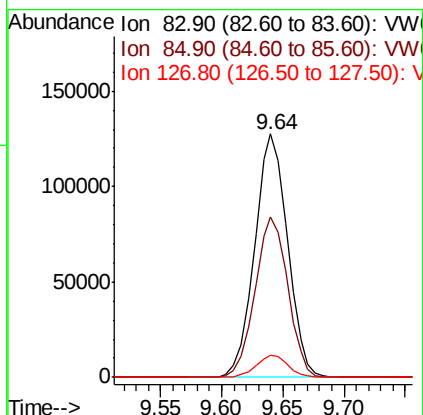
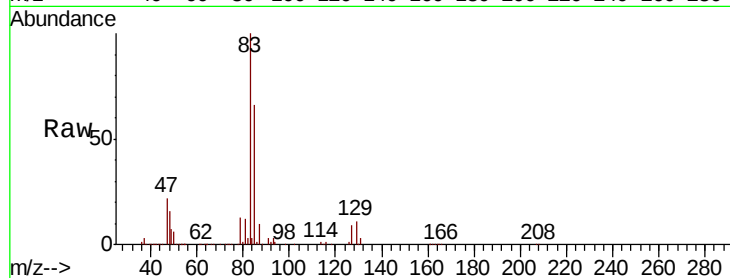




#47
Bromodichloromethane
Concen: 52.603 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

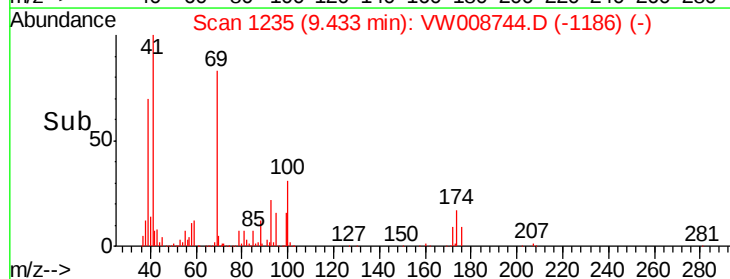
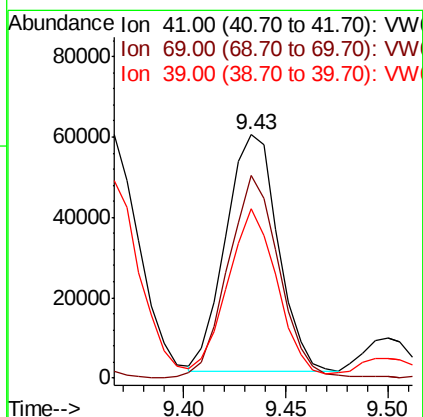
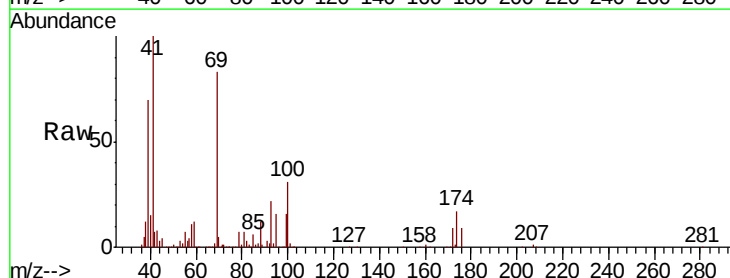
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

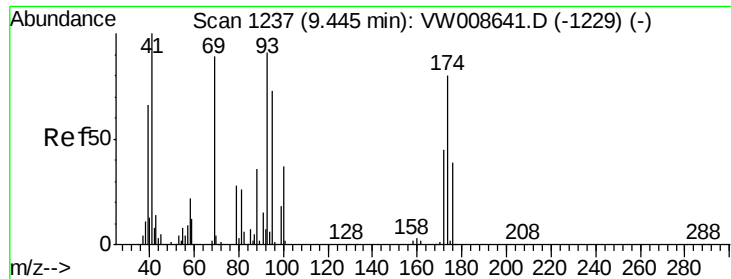
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.2	76.8
127	8.9	6.4	9.6



#48
Methyl methacrylate
Concen: 46.276 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.3	64.1	96.1
39	64.7	52.3	78.5

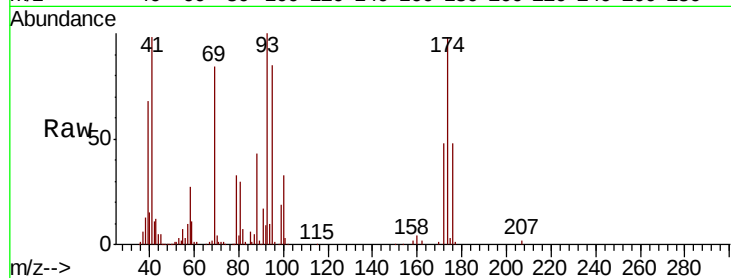




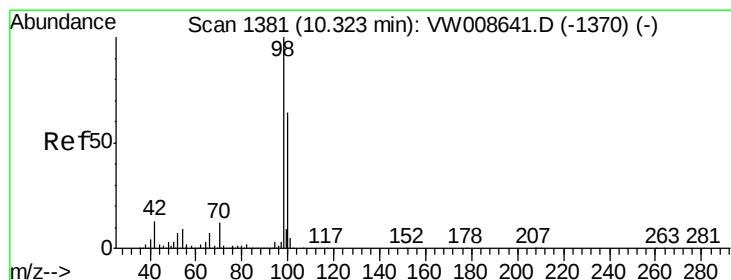
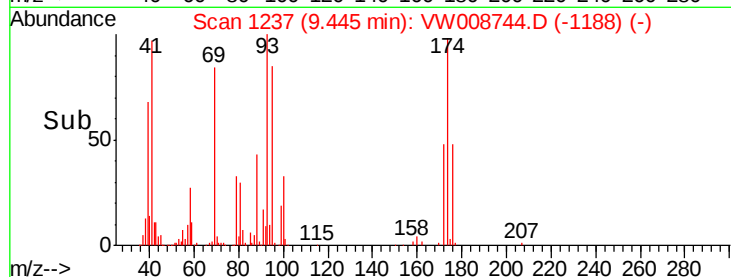
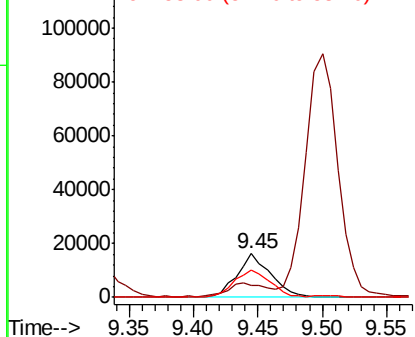
#49
1,4-Dioxane
Concen: 966.393 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29156
Ion Ratio Lower Upper
88 100
43 35.5 31.0 46.6
58 69.7 57.0 85.6

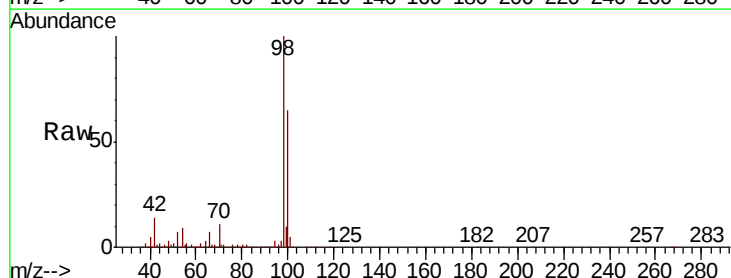


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

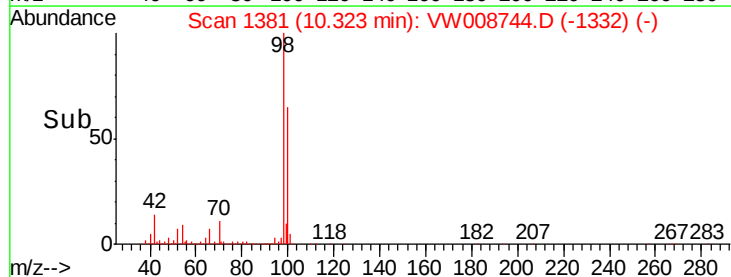
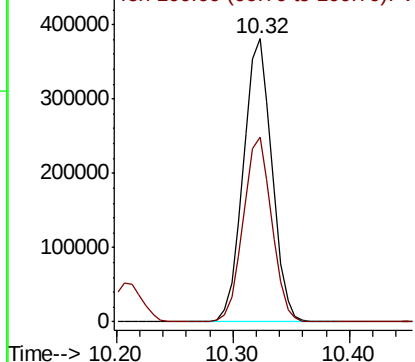


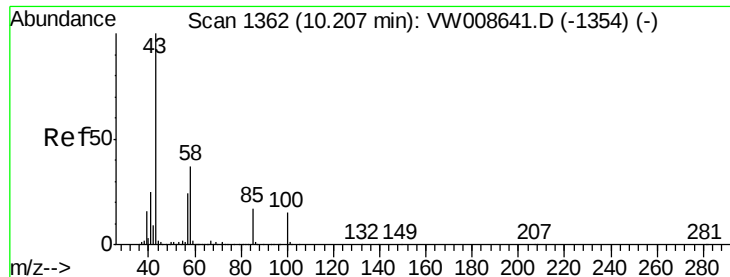
#50
Toluene-d8
Concen: 54.045 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion: 98 Resp: 653646
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



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

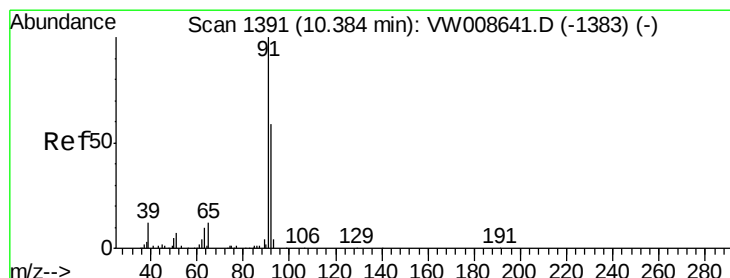
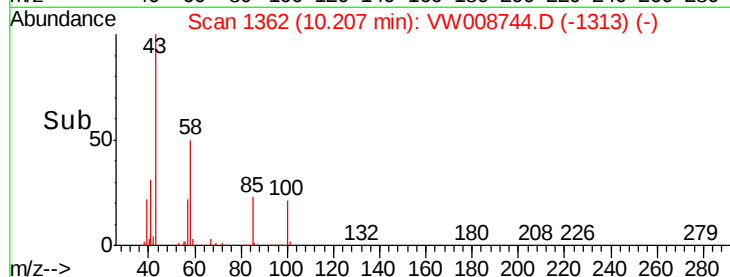
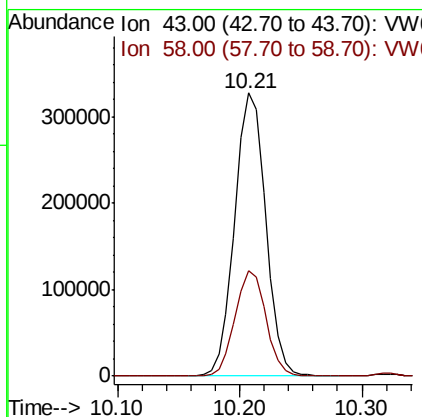
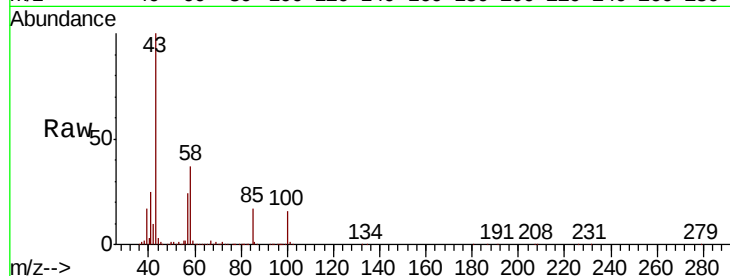




#51
 4-Methyl-2-Pentanone
 Concen: 229.678 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

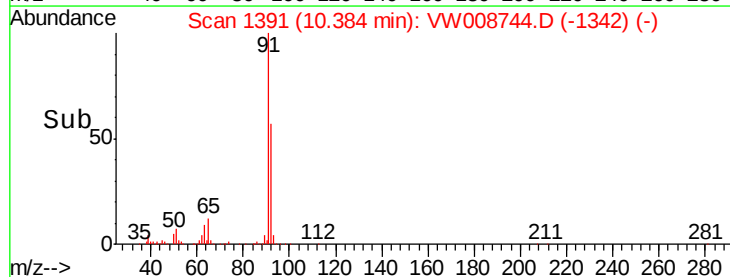
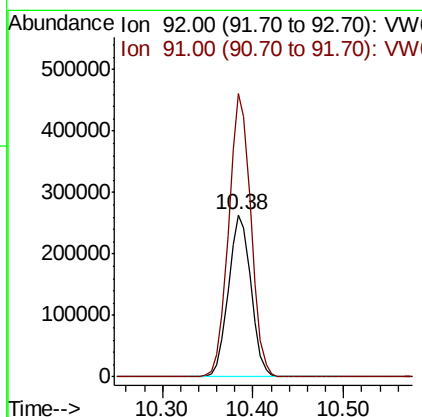
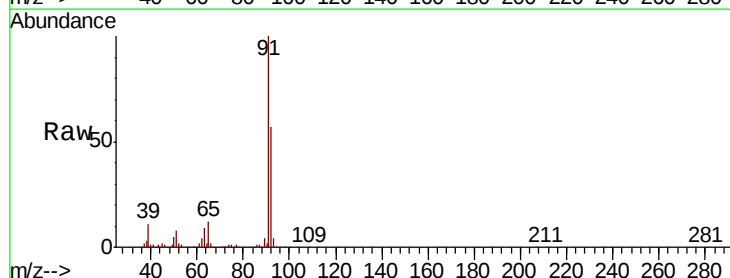
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

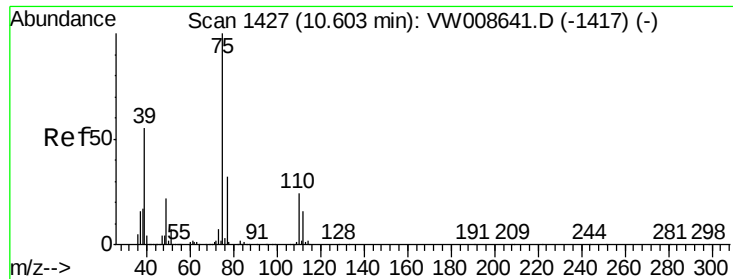
Tgt Ion: 43 Resp: 576094
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.0 43.6



#52
 Toluene
 Concen: 51.303 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Tgt Ion: 92 Resp: 458852
 Ion Ratio Lower Upper
 92 100
 91 172.4 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 50.624 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

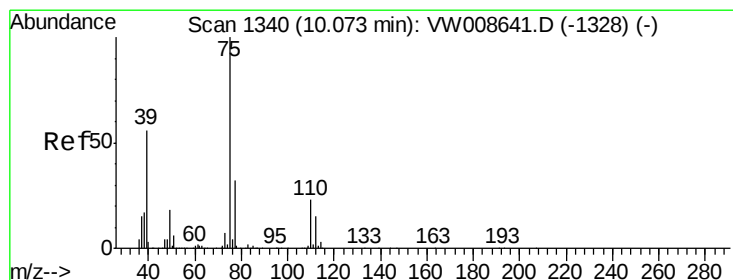
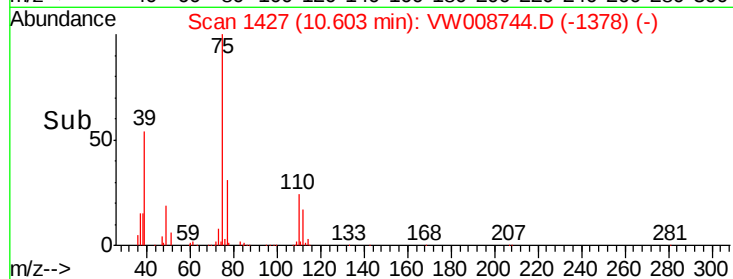
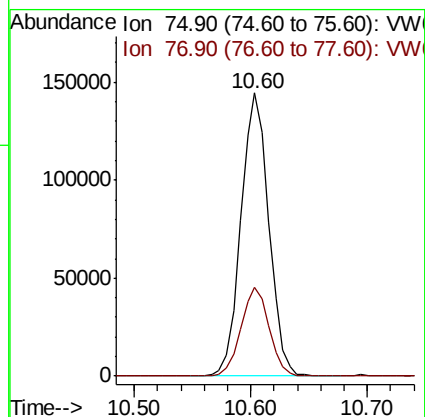
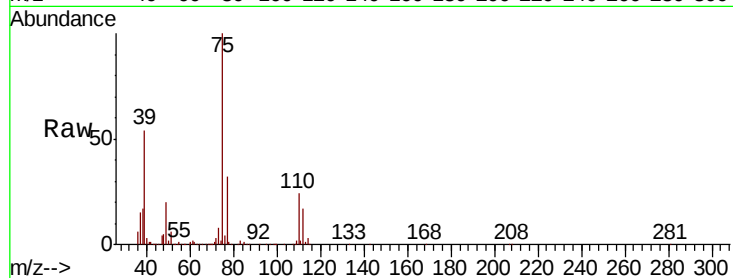
VSTDCCC050

Tgt Ion: 75 Resp: 241578

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 51.394 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

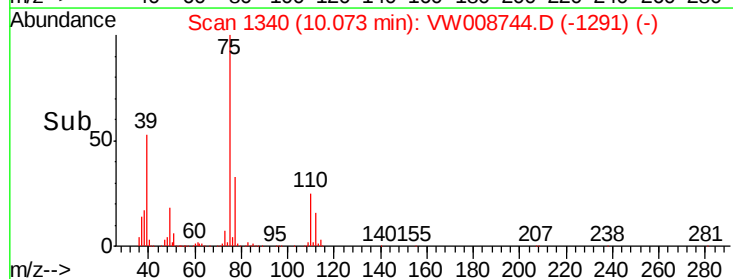
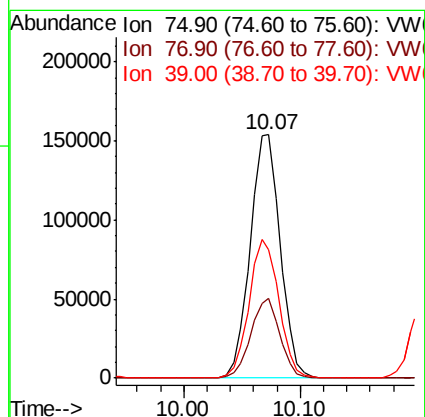
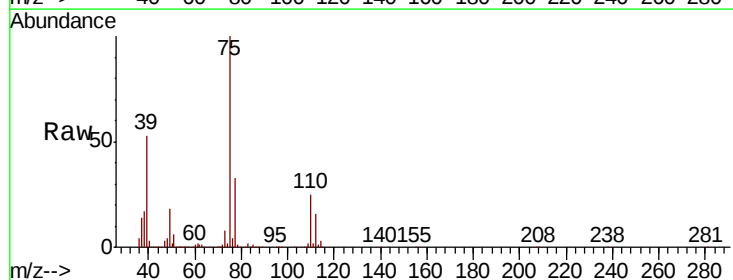
Tgt Ion: 75 Resp: 278014

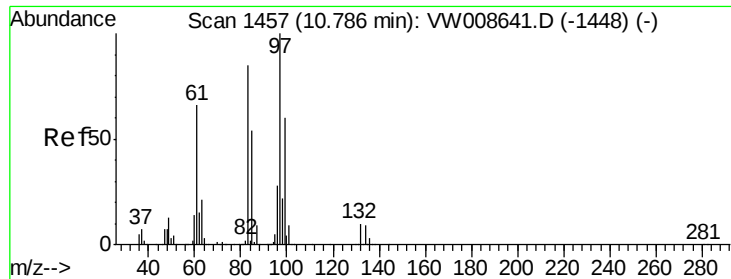
Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

39 52.9 44.5 66.7





#55

1,1,2-Trichloroethane

Concen: 50.572 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 131155

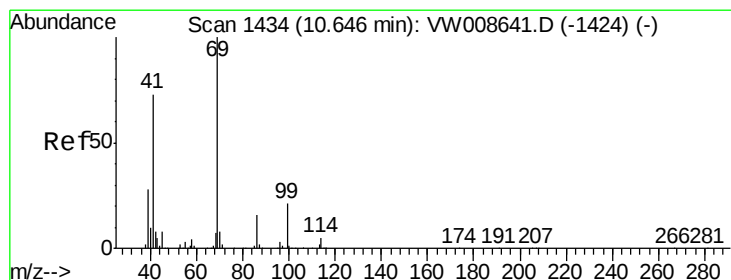
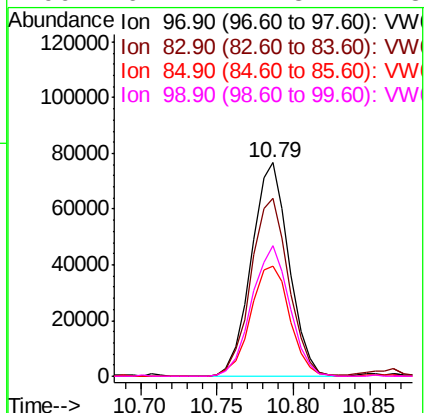
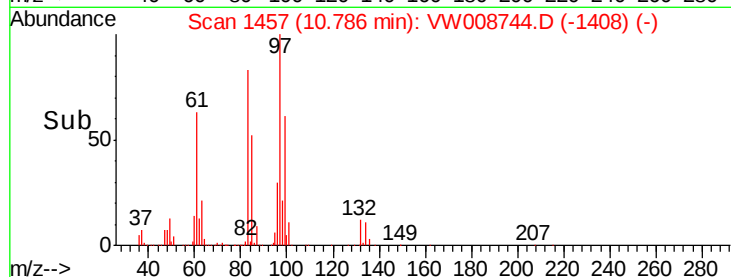
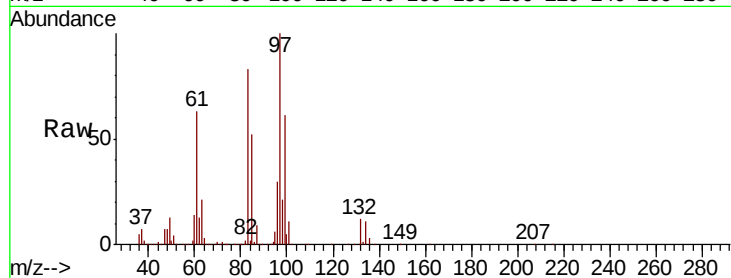
Ion Ratio Lower Upper

97 100

83 83.0 68.4 102.6

85 51.8 43.1 64.7

99 61.2 47.8 71.8



#56

Ethyl methacrylate

Concen: 47.619 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

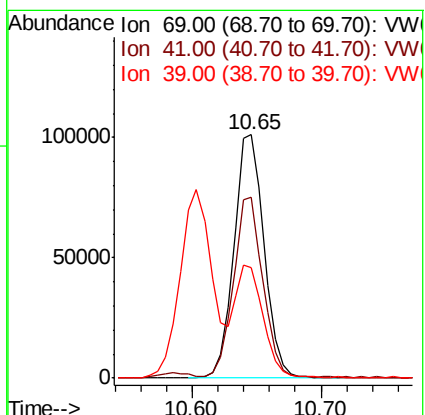
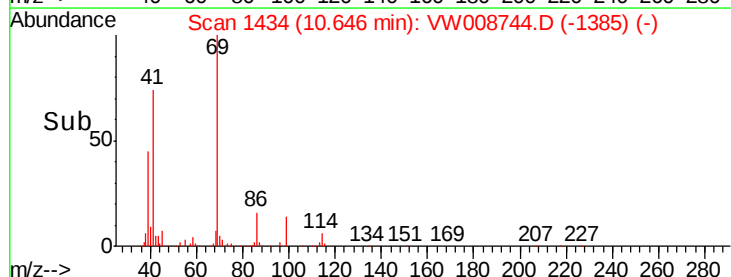
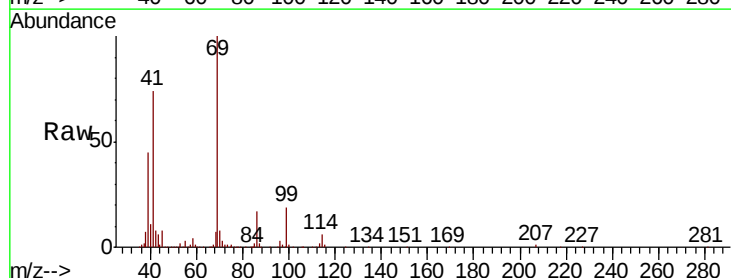
Tgt Ion: 69 Resp: 163986

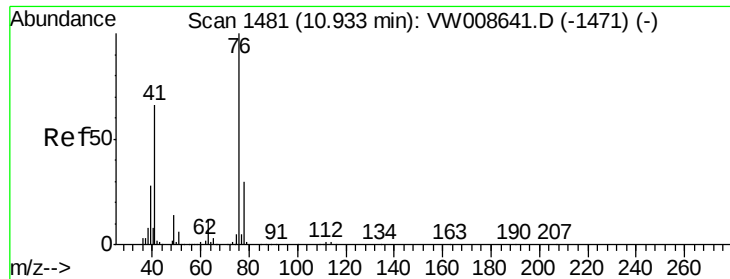
Ion Ratio Lower Upper

69 100

41 72.7 59.0 88.4

39 41.9 34.4 51.6

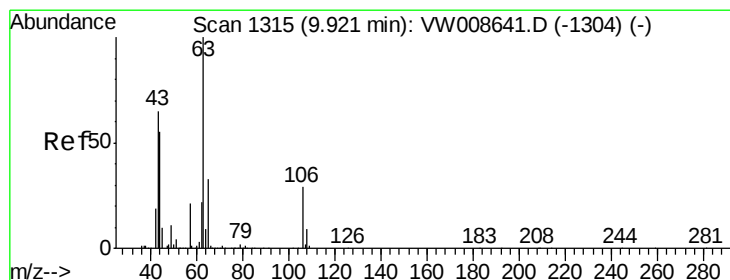
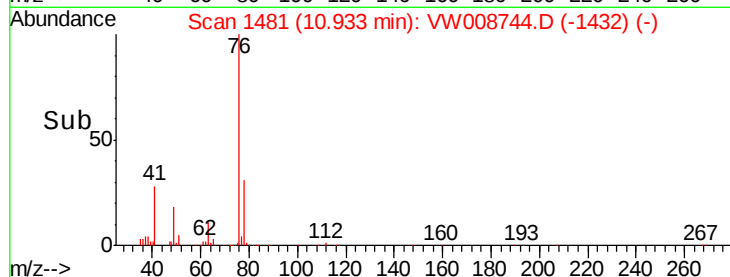
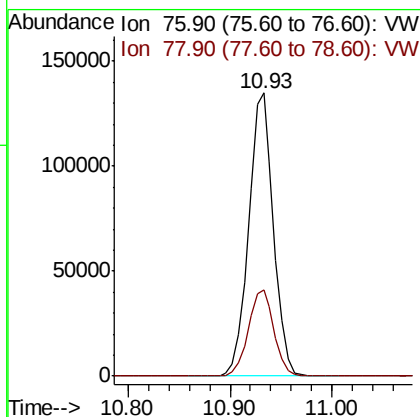
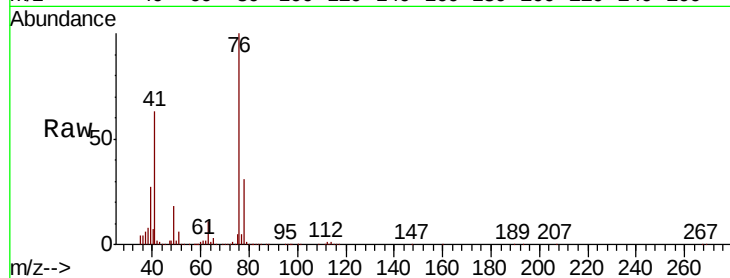




#57
 1,3-Dichloropropane
 Concen: 49.269 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

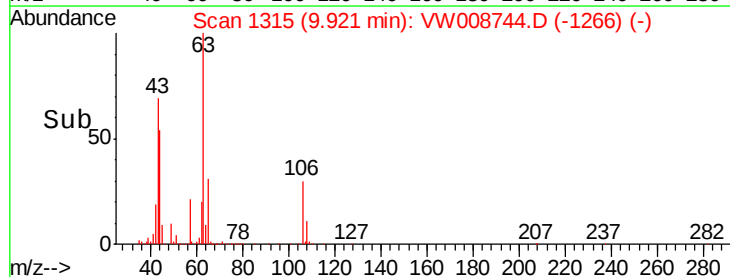
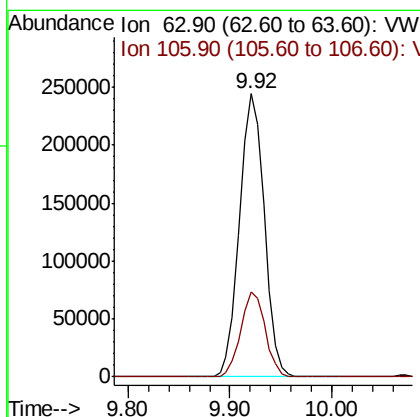
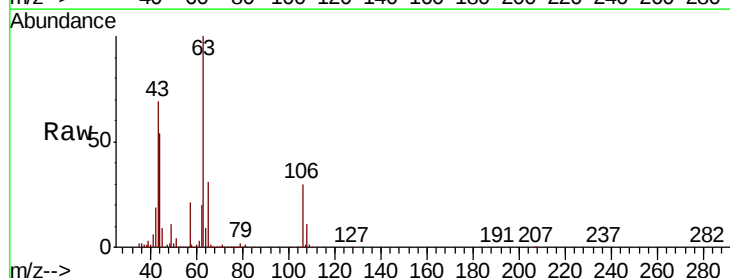
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

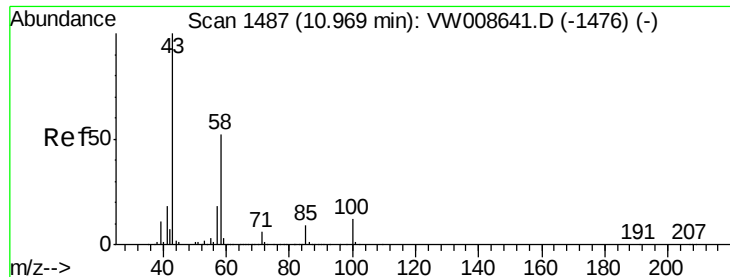
Tgt Ion: 76 Resp: 226705
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.683 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Tgt Ion: 63 Resp: 410812
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.4 35.2





#59

2-Hexanone

Concen: 247.709 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

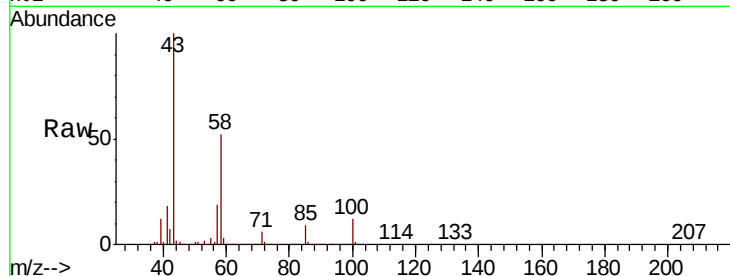
VSTDCCC050

Tgt Ion: 43 Resp: 436477

Ion Ratio Lower Upper

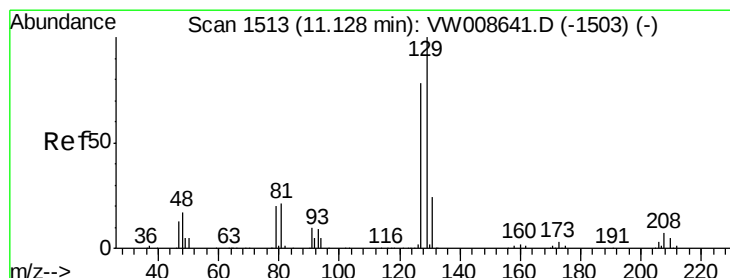
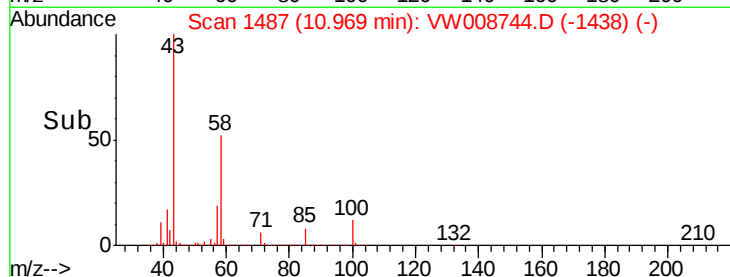
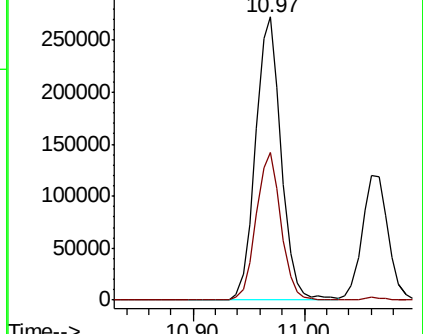
43 100

58 50.7 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 52.395 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008744.D

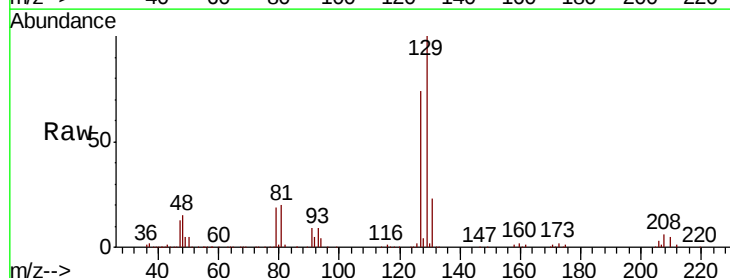
Acq: 19 Feb 2019 11:12

Tgt Ion: 129 Resp: 162584

Ion Ratio Lower Upper

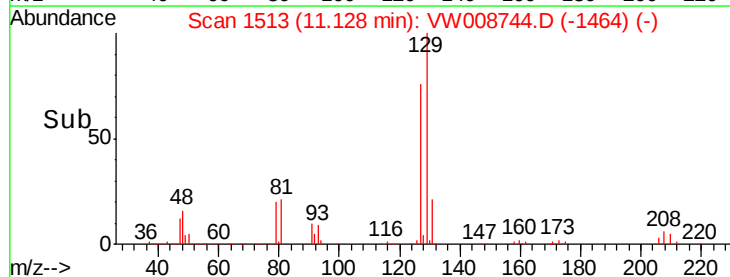
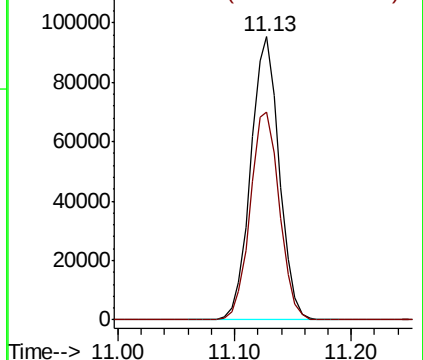
129 100

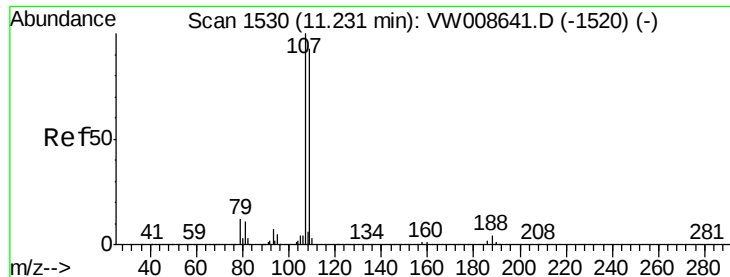
127 75.5 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 49.992 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

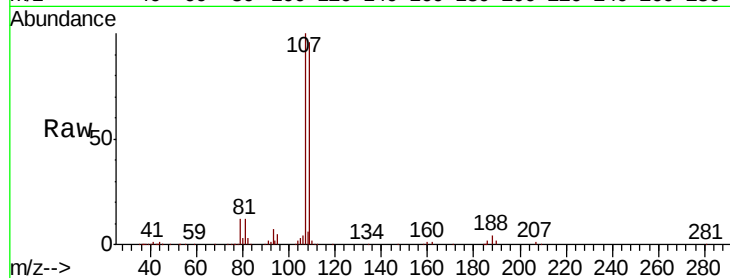
VSTDCCC050

Tgt Ion: 107 Resp: 127652

Ion Ratio Lower Upper

107 100

109 94.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

80000

60000

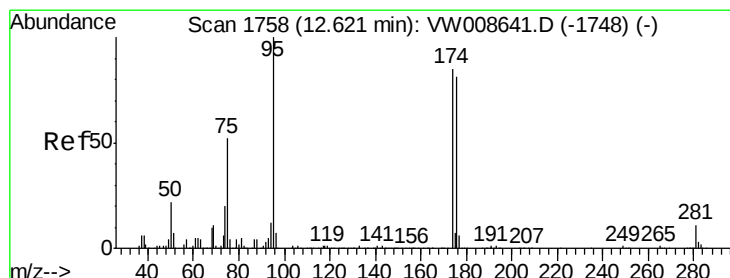
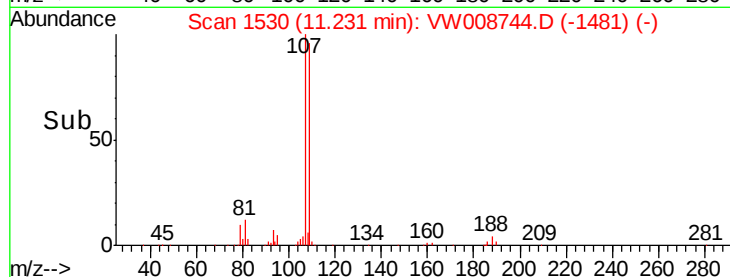
40000

20000

0

11.20 11.30

Time-->



#62

4-Bromofluorobenzene

Concen: 51.251 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

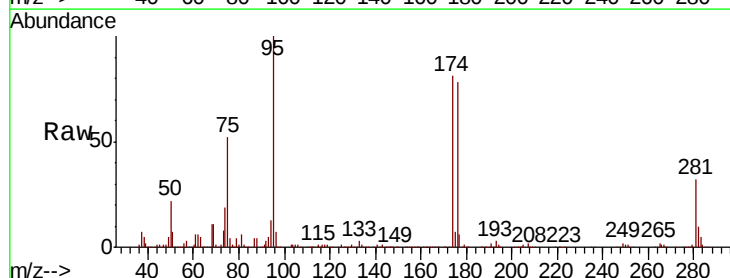
Tgt Ion: 95 Resp: 233478

Ion Ratio Lower Upper

95 100

174 85.4 0.0 163.2

176 82.1 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

150000

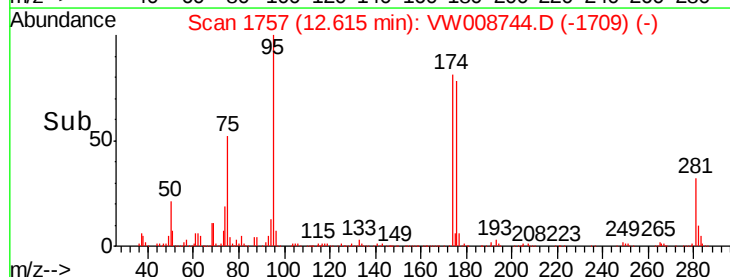
100000

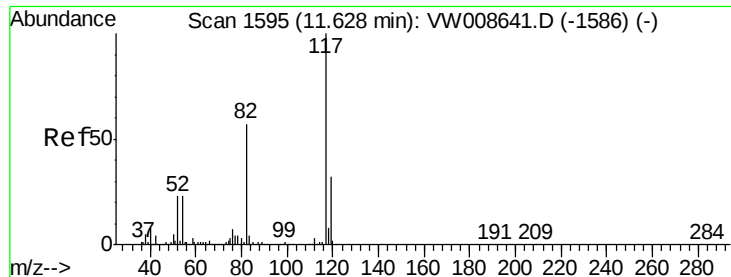
50000

0

12.55 12.60 12.65 12.70

Time-->

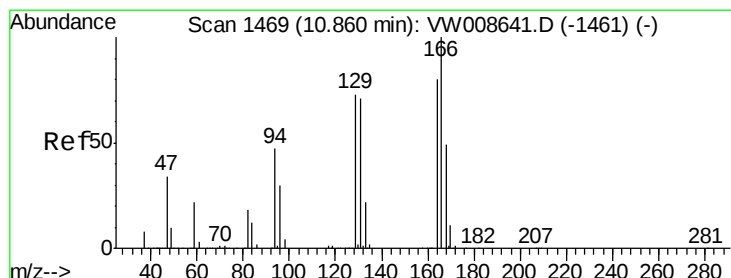
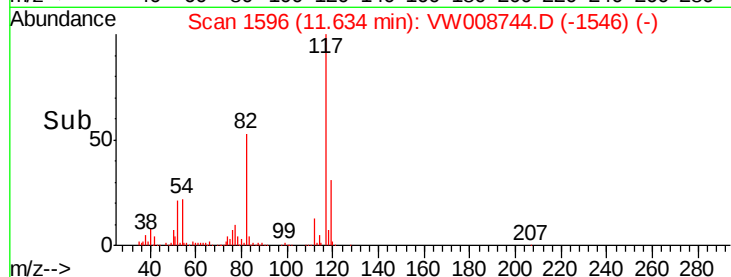
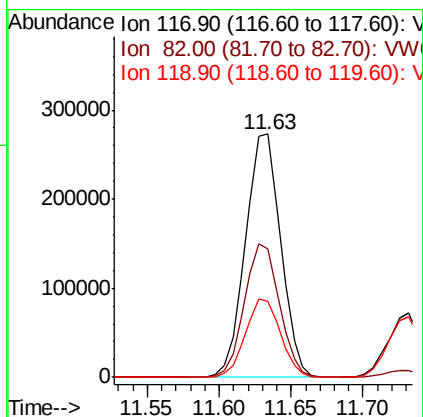
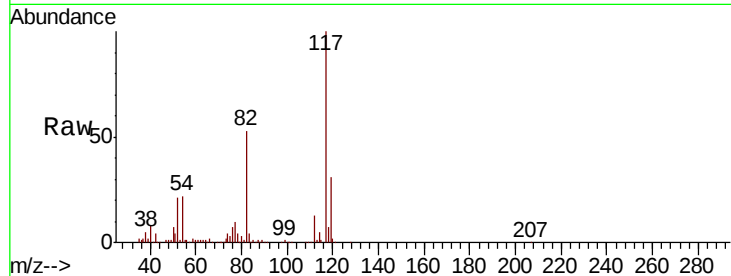




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

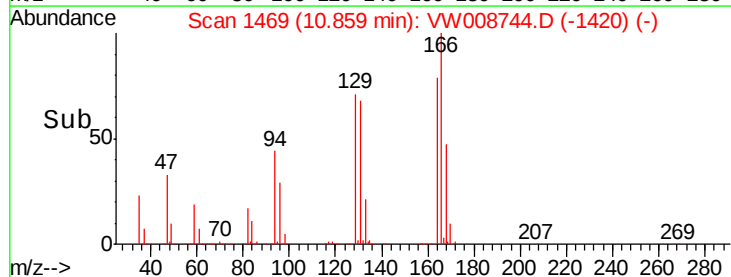
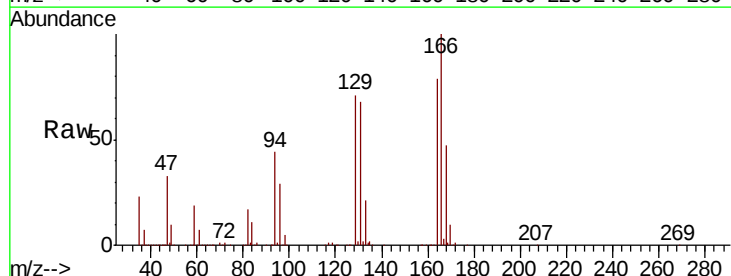
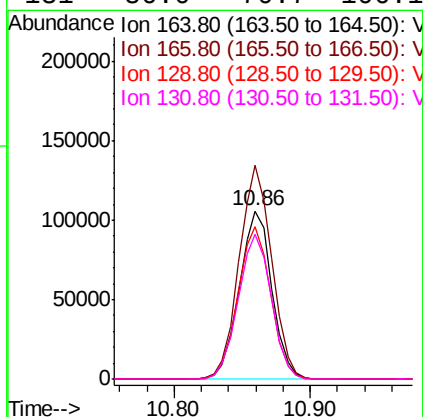
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

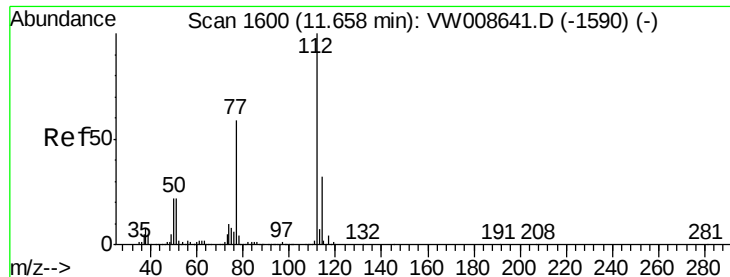
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	45.6	68.4
119	31.1	25.7	38.5



#64
Tetrachloroethene
Concen: 51.341 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	100.2	150.2
129	90.3	73.6	110.4
131	86.0	70.7	106.1





#65

Chlorobenzene

Concen: 50.511 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

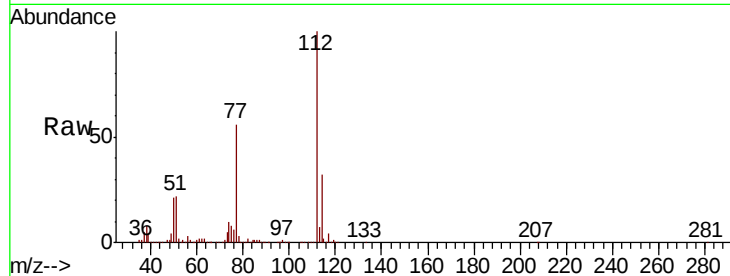
VSTDCCC050

Tgt Ion:112 Resp: 503065

Ion Ratio Lower Upper

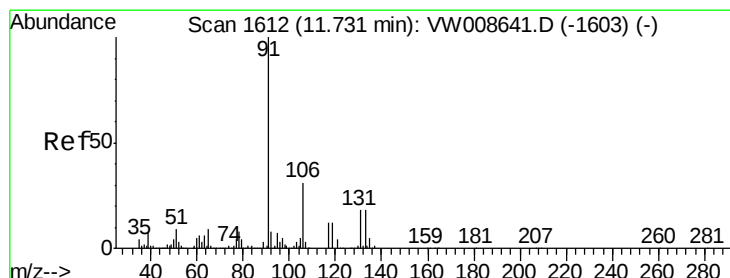
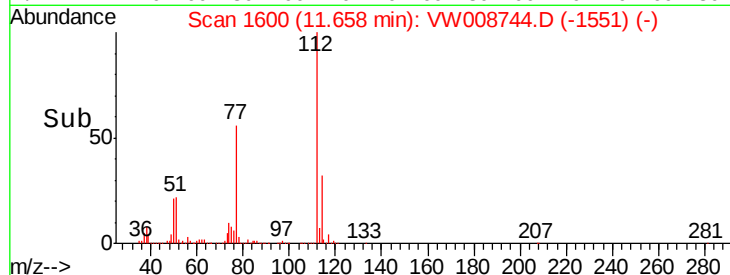
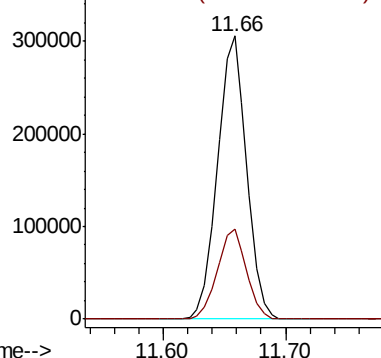
112 100

114 32.0 25.7 38.5



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: 51.012 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

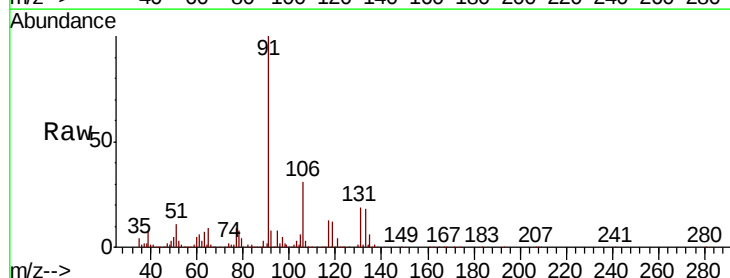
Tgt Ion:131 Resp: 179981

Ion Ratio Lower Upper

131 100

133 95.1 47.8 143.4

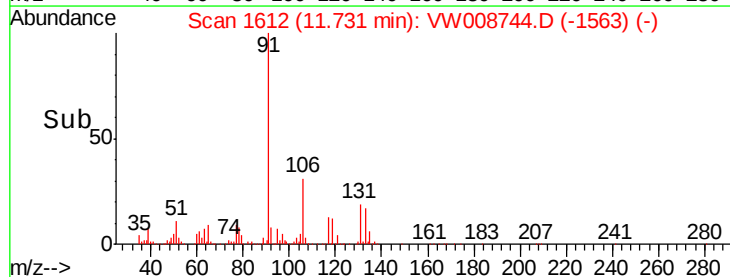
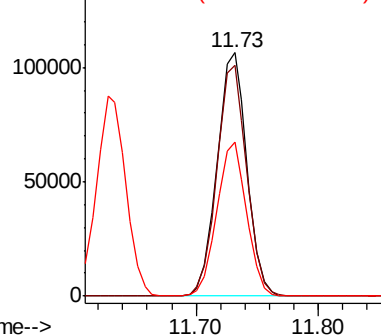
119 63.2 31.6 94.8

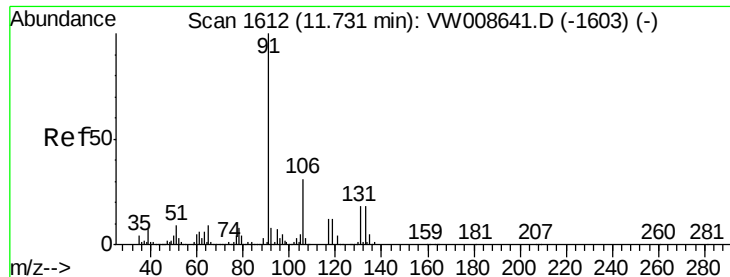


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.884 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

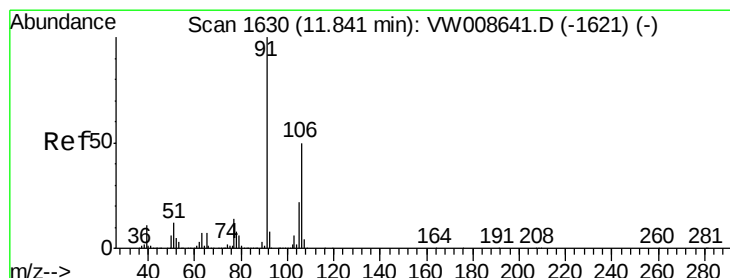
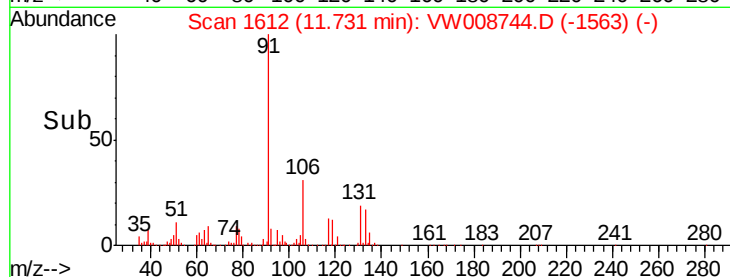
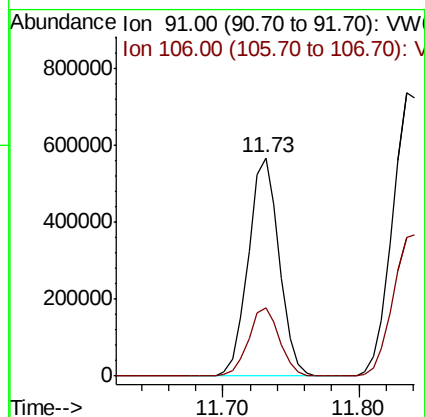
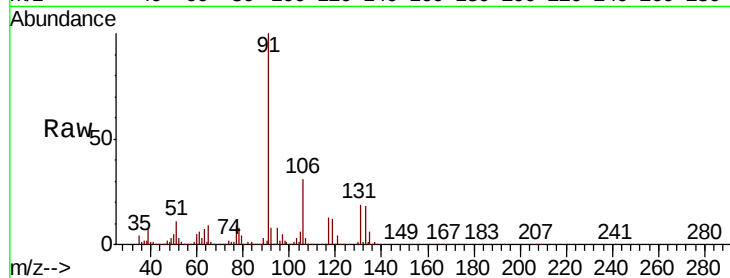
VSTDCCC050

Tgt Ion: 91 Resp: 902727

Ion Ratio Lower Upper

91 100

106 31.5 24.5 36.7



#68

m/p-Xylenes

Concen: 101.956 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008744.D

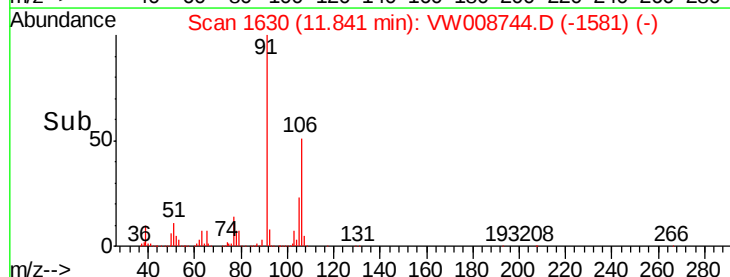
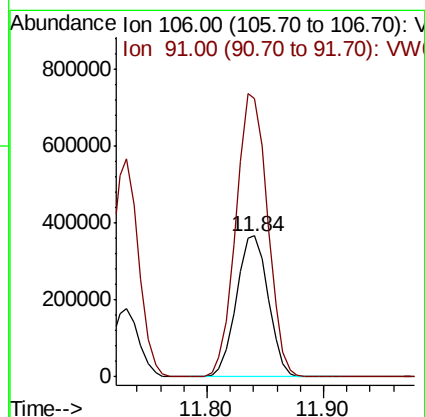
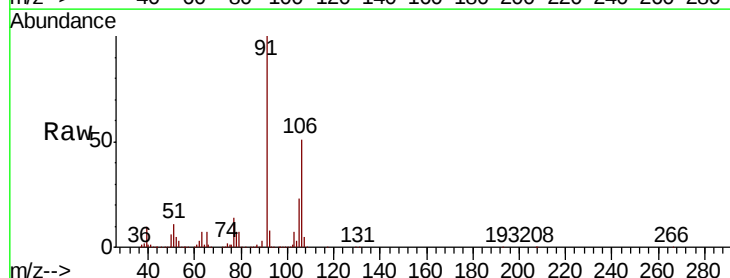
Acq: 19 Feb 2019 11:12

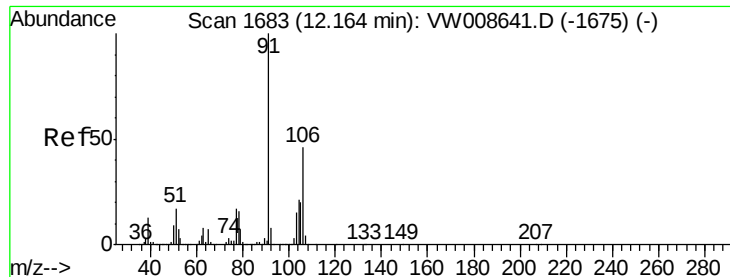
Tgt Ion: 106 Resp: 703789

Ion Ratio Lower Upper

106 100

91 199.5 161.0 241.4

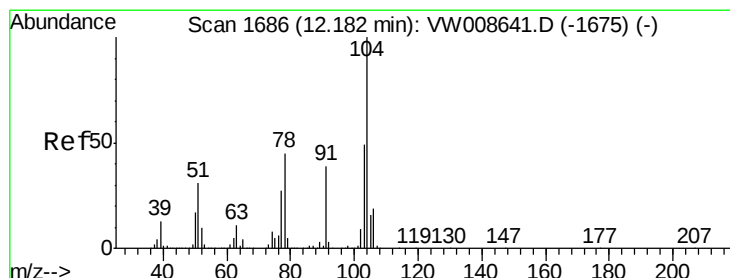
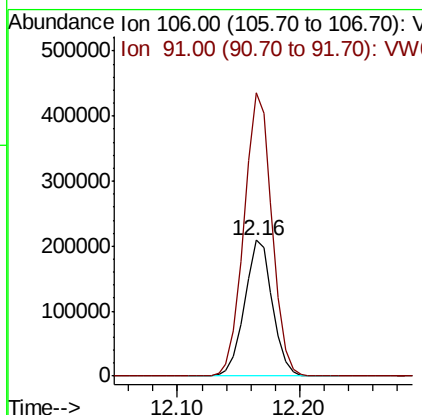
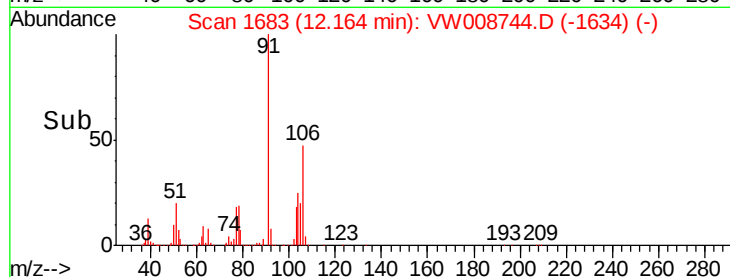
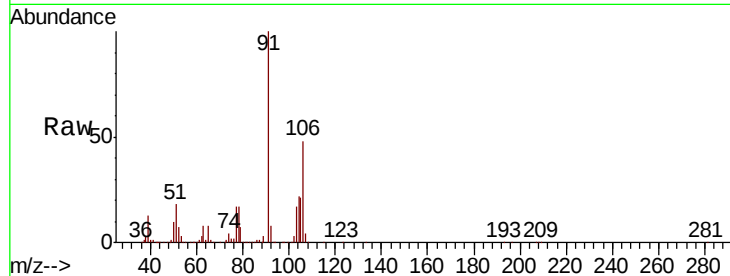




#69
o-Xylene
Concen: 50.282 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

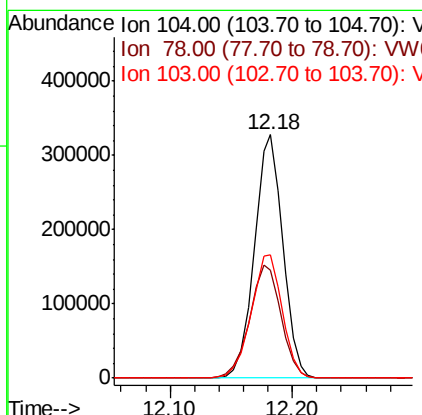
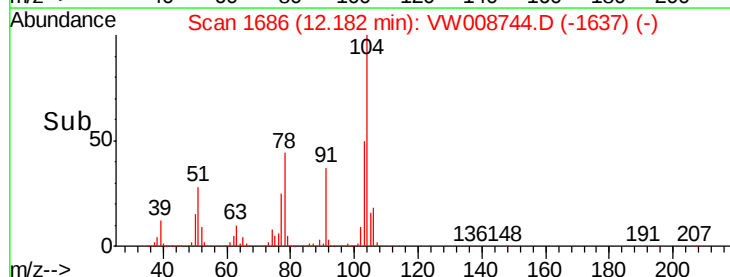
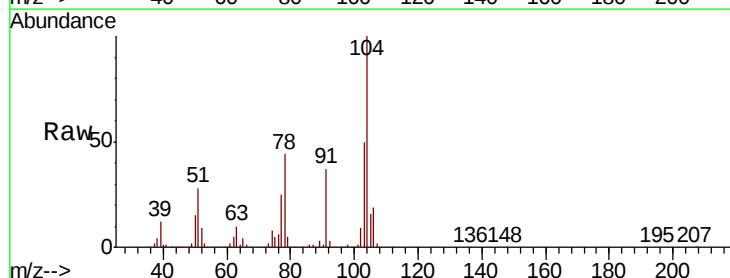
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

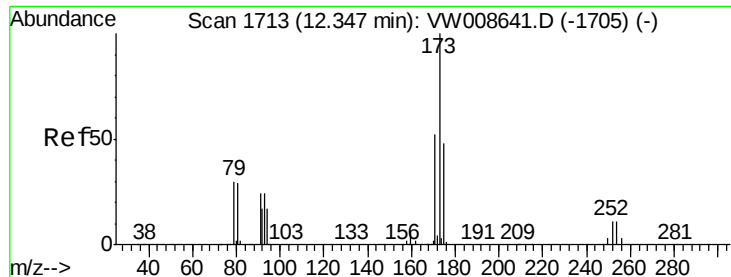
Tgt Ion:106 Resp: 328083
Ion Ratio Lower Upper
106 100
91 210.0 106.7 320.1



#70
Styrene
Concen: 49.811 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion:104 Resp: 530855
Ion Ratio Lower Upper
104 100
78 51.5 41.5 62.3
103 55.5 43.5 65.3

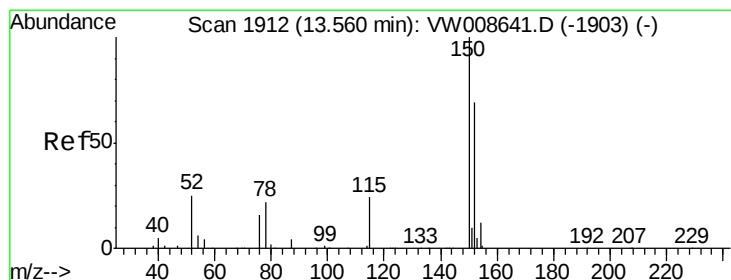
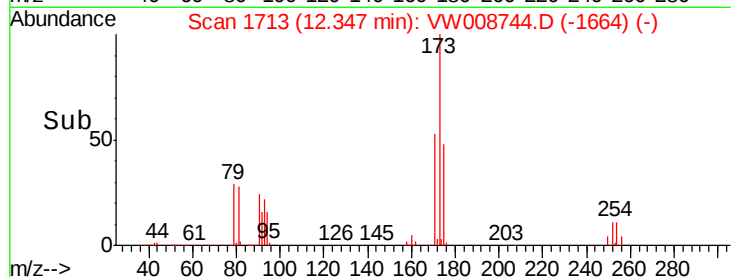
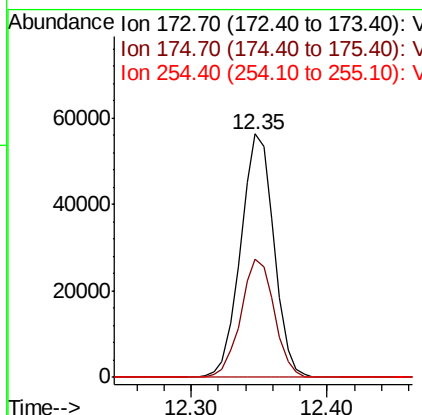
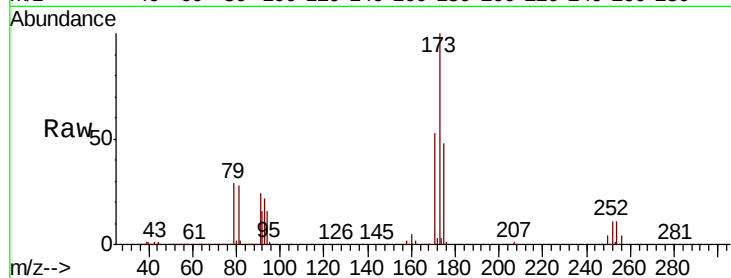




#71
Bromoform
Concen: 50.644 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

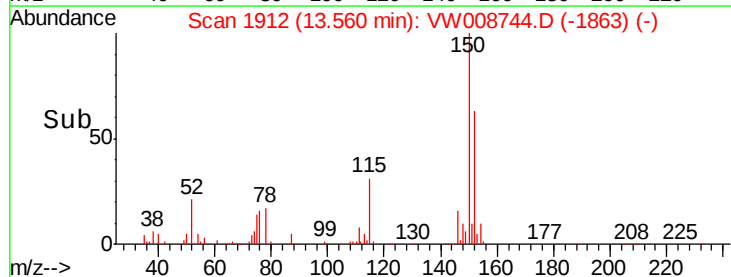
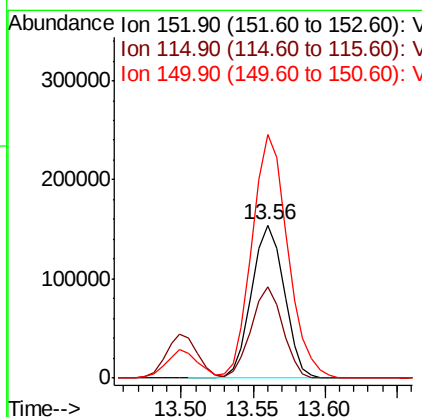
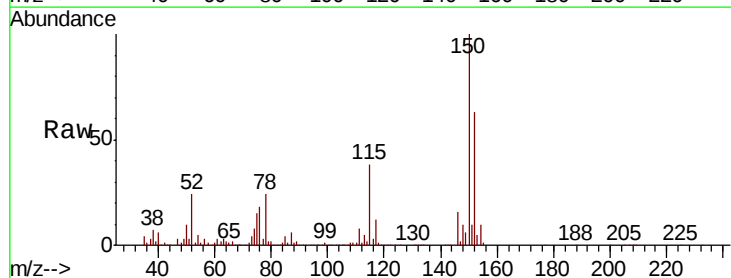
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

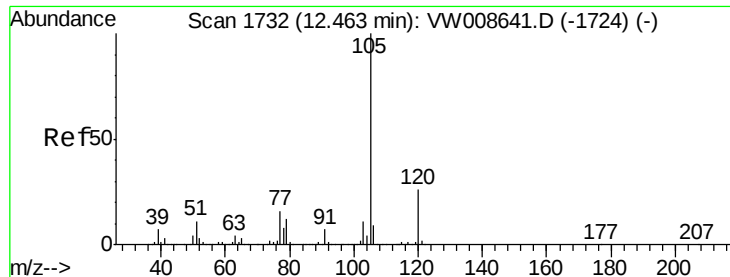
Tgt Ion:173 Resp: 96276
Ion Ratio Lower Upper
173 100
175 48.7 24.9 74.7
254 0.3 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion:152 Resp: 241724
Ion Ratio Lower Upper
152 100
115 57.6 29.3 87.8
150 174.5 0.0 352.8





#73

Isopropylbenzene

Concen: 50.922 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

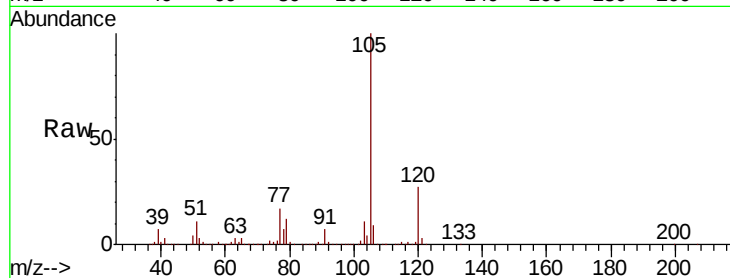
VSTDCCC050

Tgt Ion: 105 Resp: 916870

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

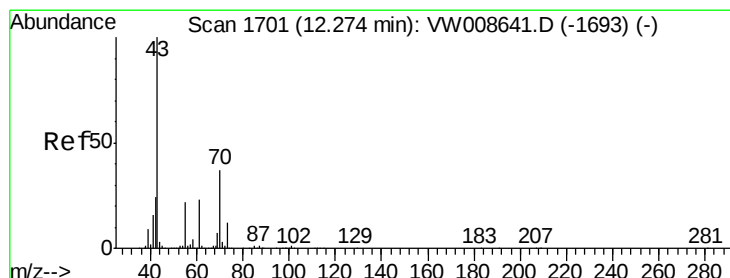
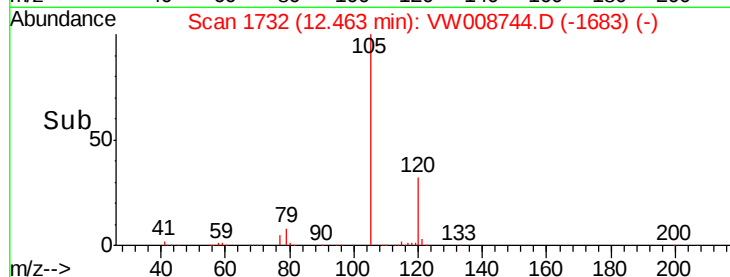
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 44.738 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Tgt Ion: 43 Resp: 217831

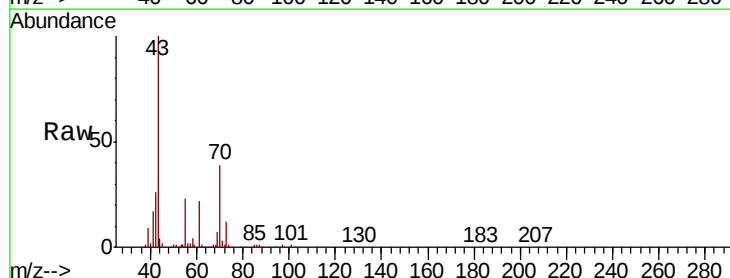
Ion Ratio Lower Upper

43 100

70 39.5 30.5 45.7

55 23.3 17.6 26.4

61 22.1 17.9 26.9



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

200000

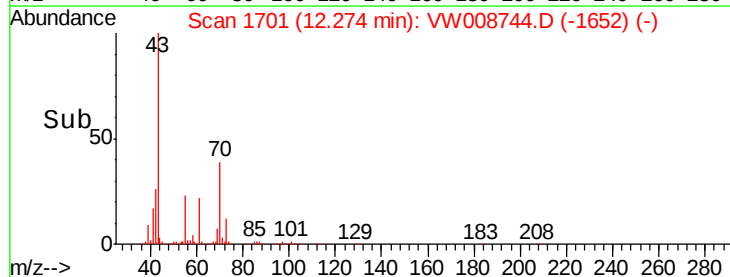
150000

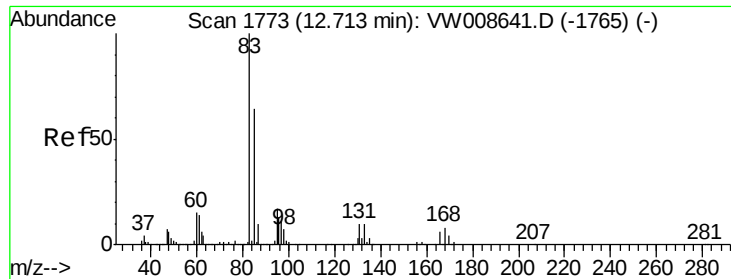
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.288 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

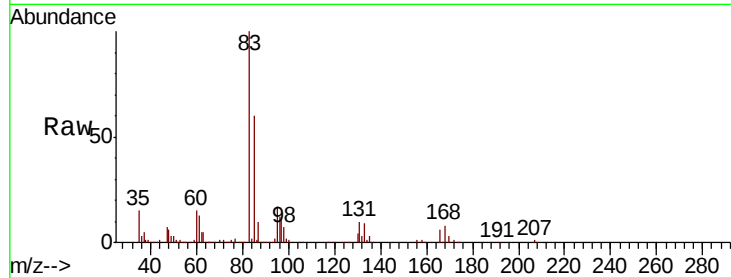
Tgt Ion: 83 Resp: 151272

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.7

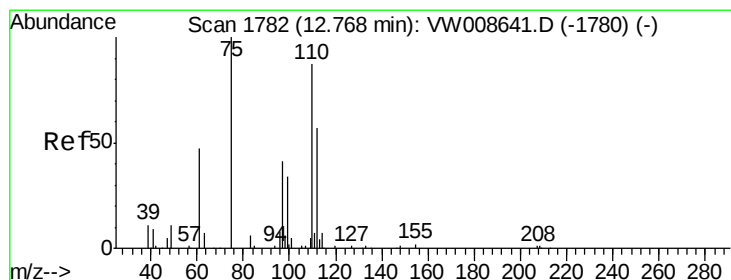
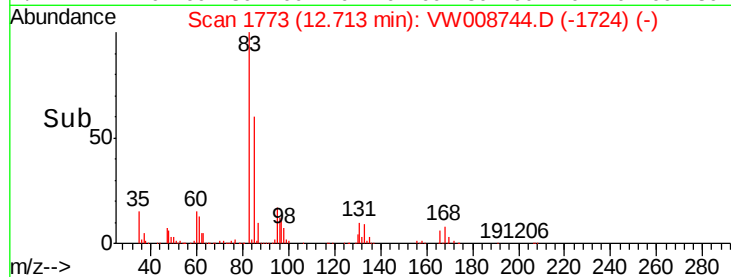
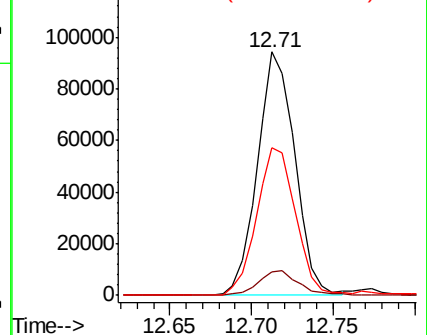
85 62.8 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 85.534 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008744.D

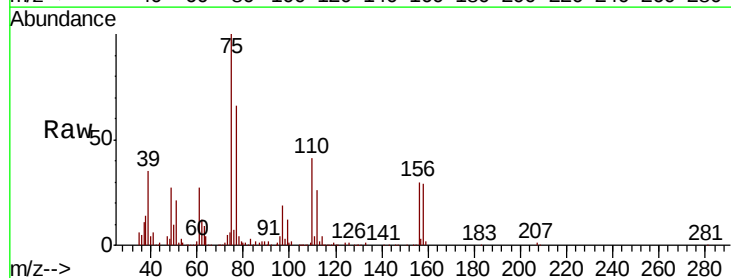
Acq: 19 Feb 2019 11:12

Tgt Ion: 75 Resp: 204161

Ion Ratio Lower Upper

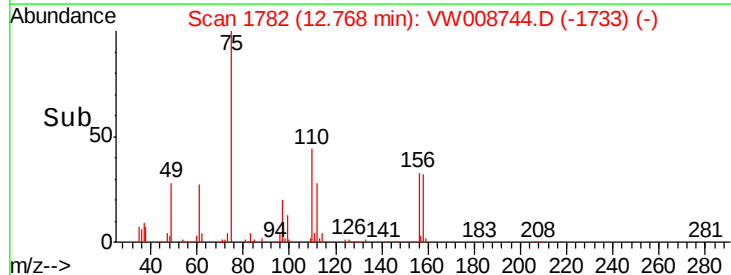
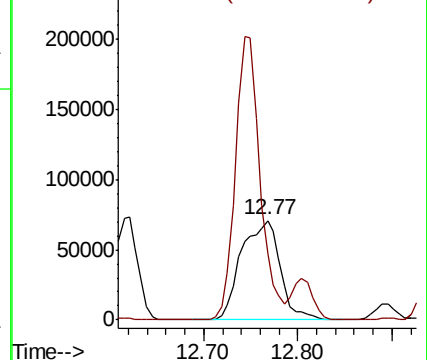
75 100

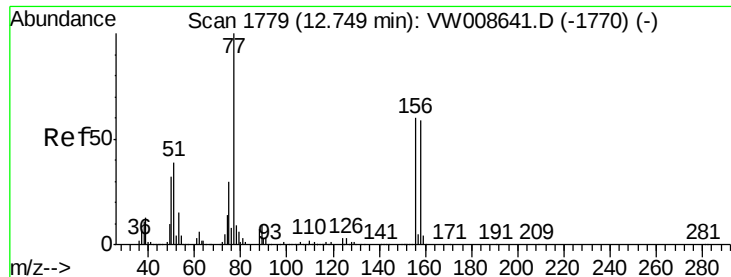
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.799 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

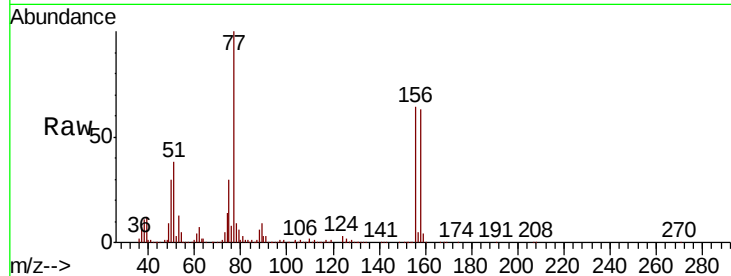
Tgt Ion:156 Resp: 210252

Ion Ratio Lower Upper

156 100

77 176.0 93.2 279.5

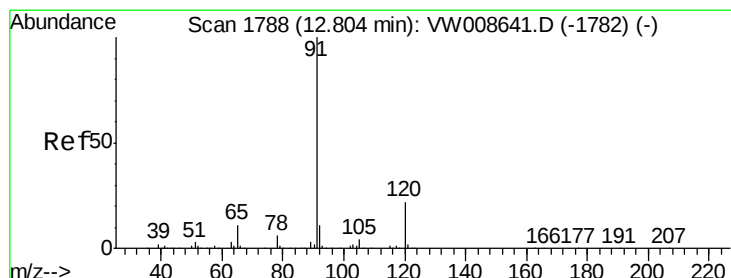
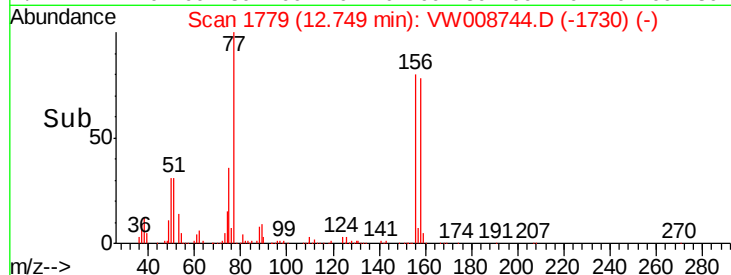
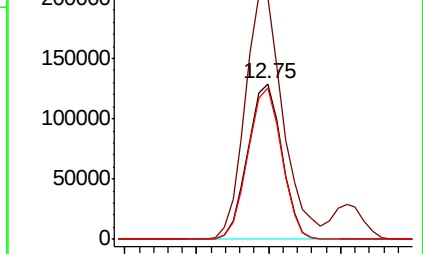
158 96.8 48.5 145.5



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: 51.781 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008744.D

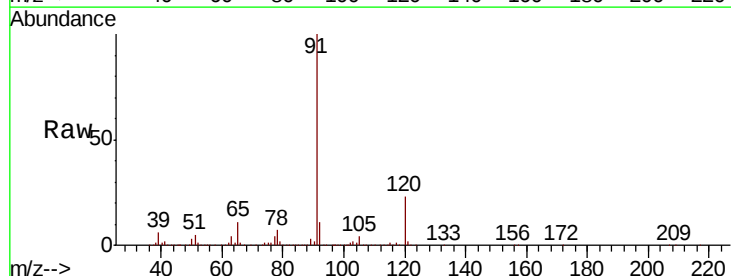
Acq: 19 Feb 2019 11:12

Tgt Ion: 91 Resp: 1107787

Ion Ratio Lower Upper

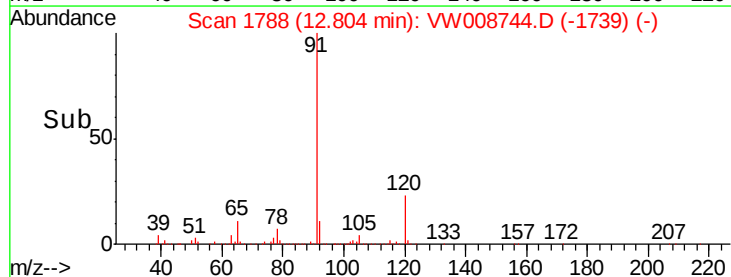
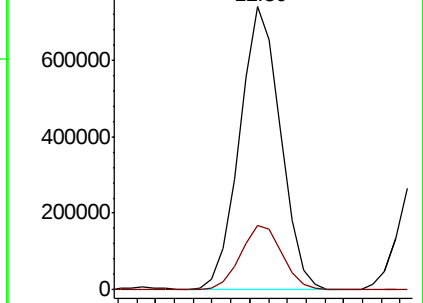
91 100

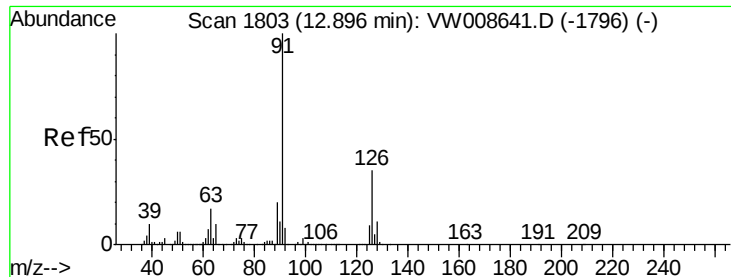
120 23.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.901 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

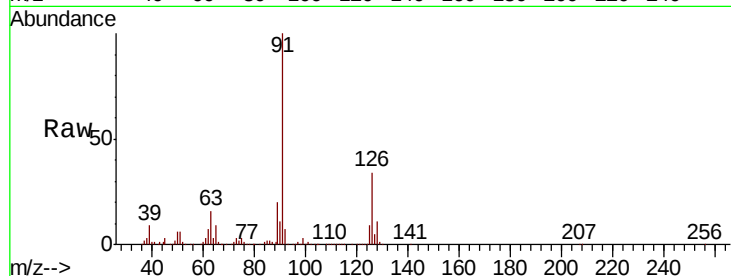
VSTDCCC050

Tgt Ion: 91 Resp: 615450

Ion Ratio Lower Upper

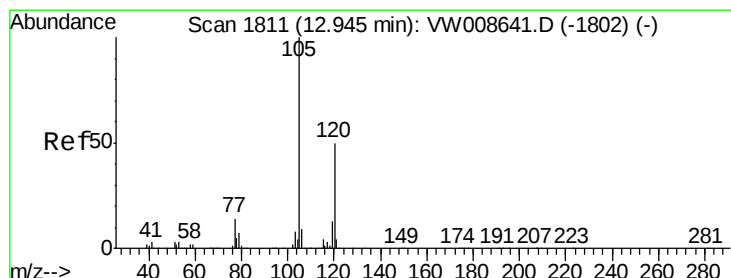
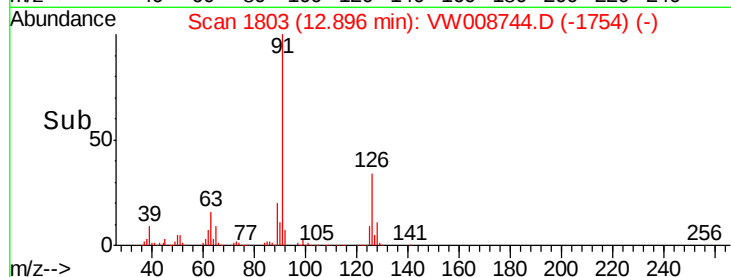
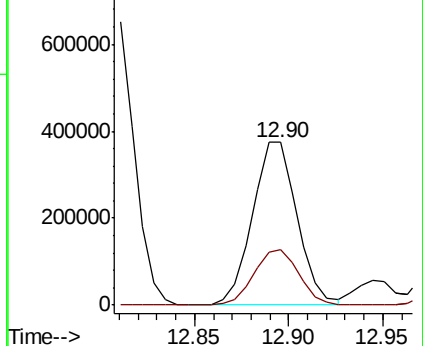
91 100

126 34.1 17.0 50.9



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: 51.181 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008744.D

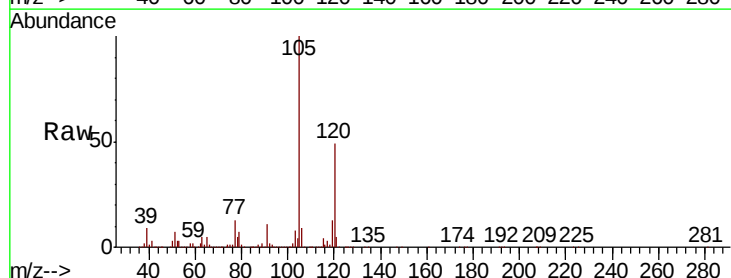
Acq: 19 Feb 2019 11:12

Tgt Ion:105 Resp: 765440

Ion Ratio Lower Upper

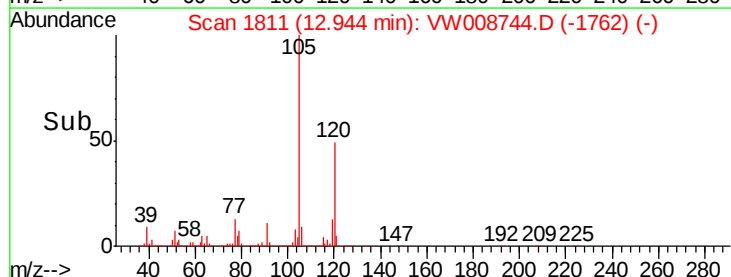
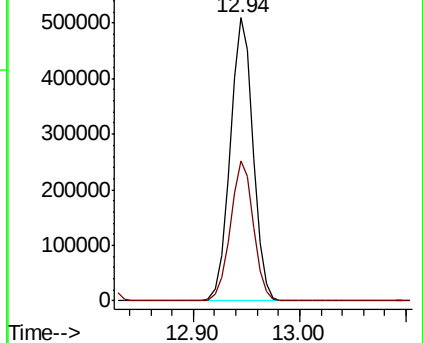
105 100

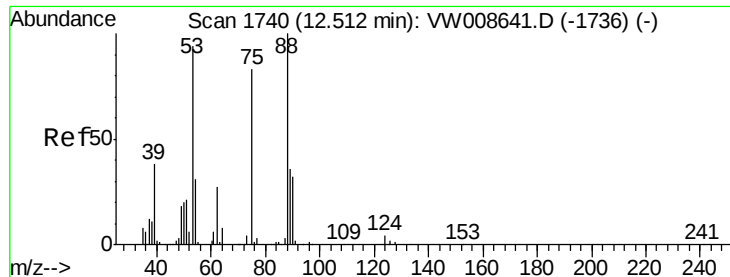
120 49.7 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 42.417 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

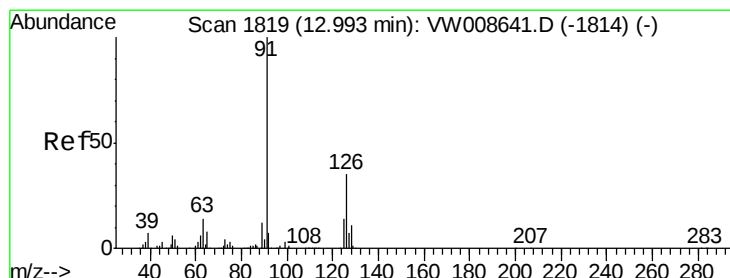
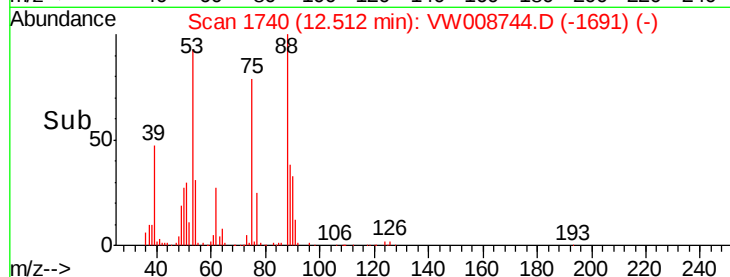
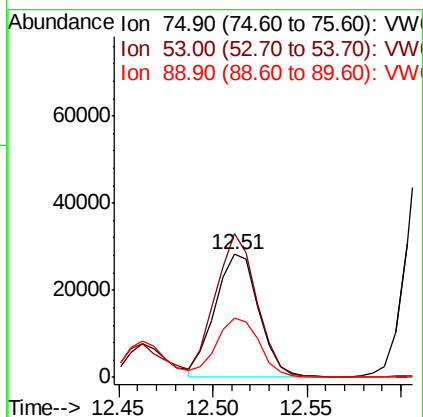
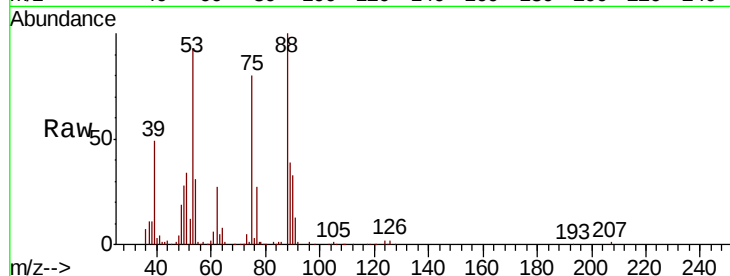
Tgt Ion: 75 Resp: 45485

Ion Ratio Lower Upper

75 100

53 111.6 87.4 131.0

89 47.9 37.0 55.4



#82

4-Chlorotoluene

Concen: 49.905 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008744.D

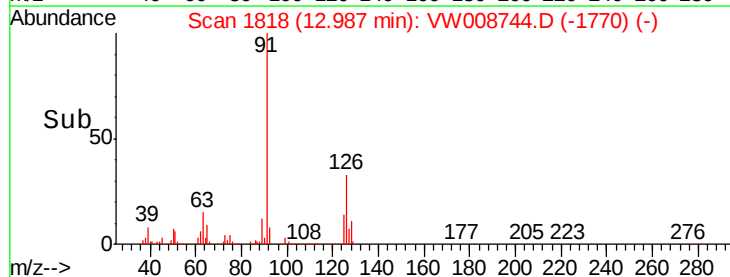
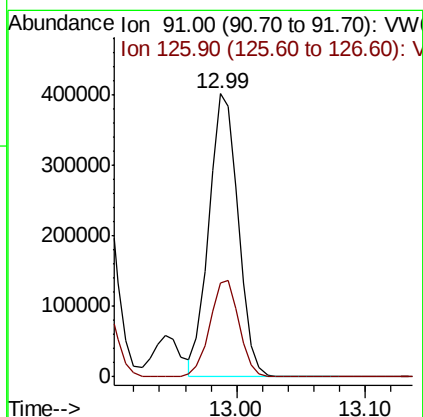
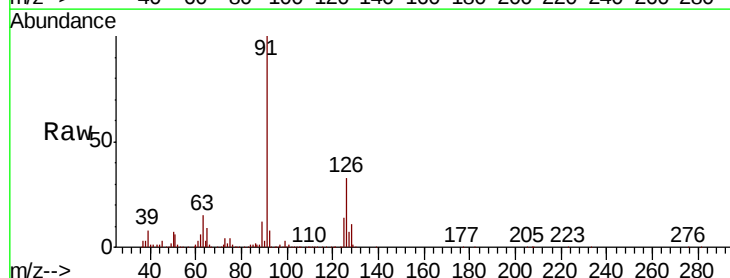
Acq: 19 Feb 2019 11:12

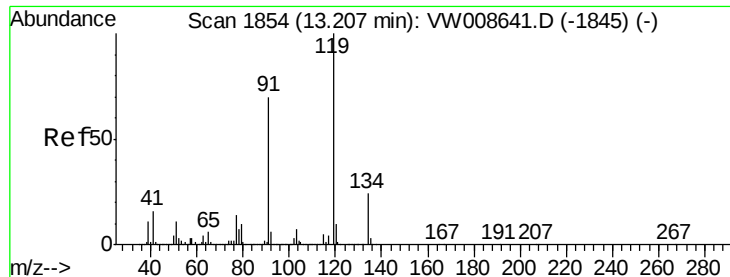
Tgt Ion: 91 Resp: 639468

Ion Ratio Lower Upper

91 100

126 34.2 16.9 50.7





#83

tert-Butylbenzene

Concen: 51.577 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

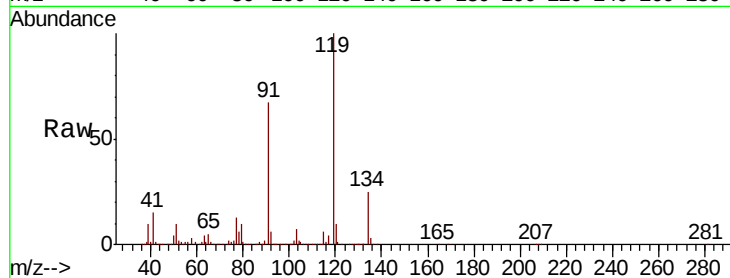
Tgt Ion:119 Resp: 669787

Ion Ratio Lower Upper

119 100

91 67.2 34.0 102.0

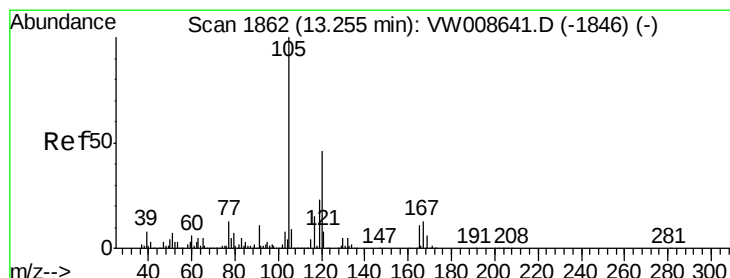
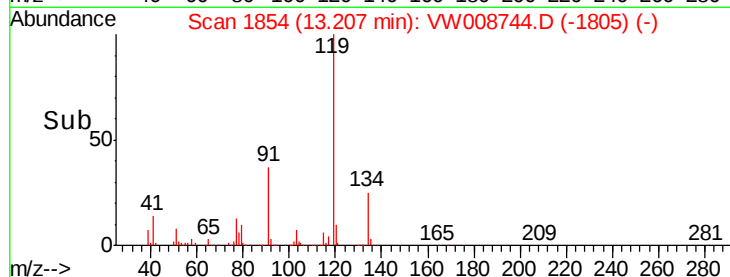
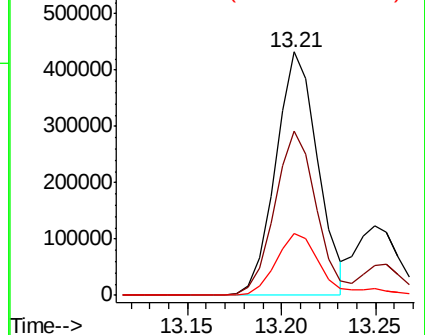
134 28.0 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.947 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW008744.D

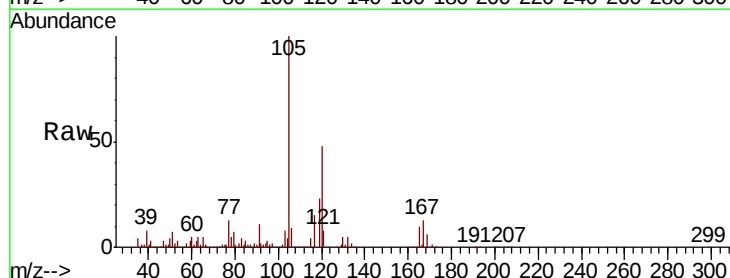
Acq: 19 Feb 2019 11:12

Tgt Ion:105 Resp: 783123

Ion Ratio Lower Upper

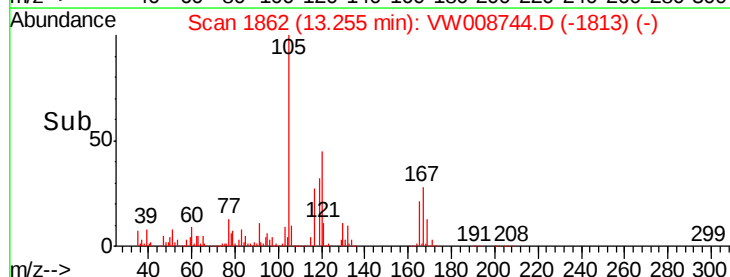
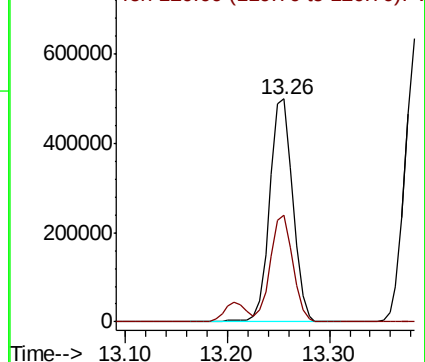
105 100

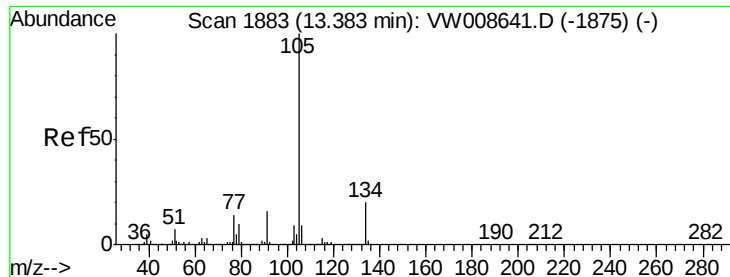
120 46.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

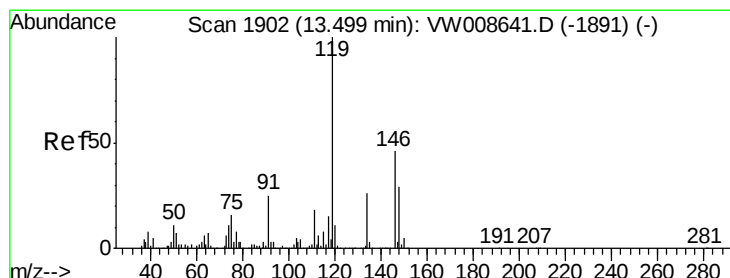
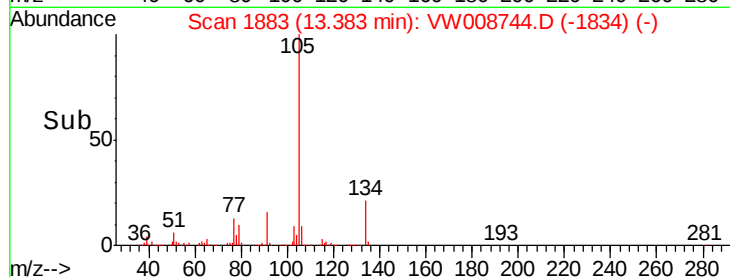
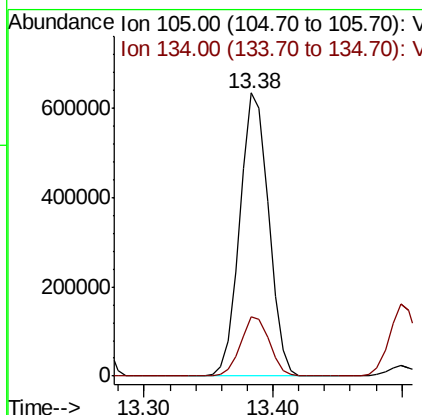
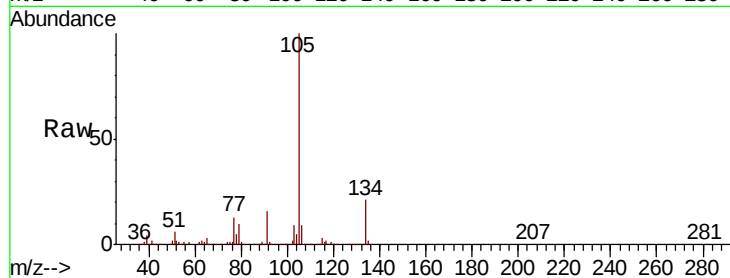




#85
 sec-Butylbenzene
 Concen: 51.870 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

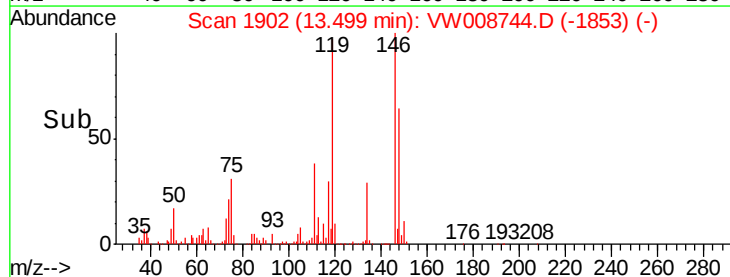
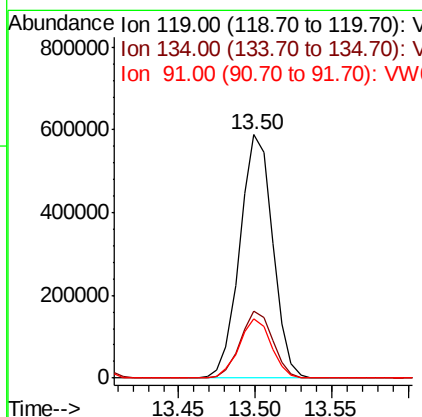
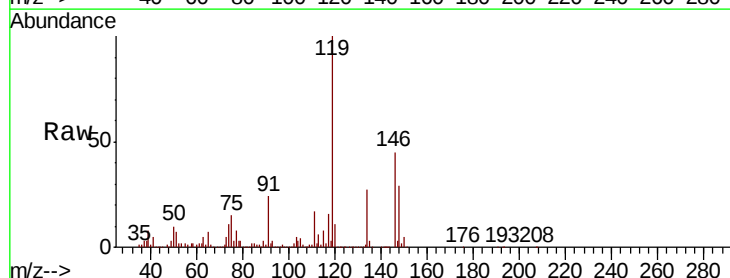
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

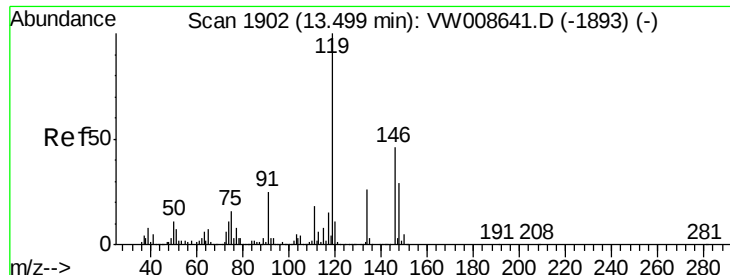
Tgt Ion:105 Resp: 980801
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 51.887 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Tgt Ion:119 Resp: 877721
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.0 39.0
 91 23.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 51.153 ug/l

RT: 13.50 min Scan# 1902

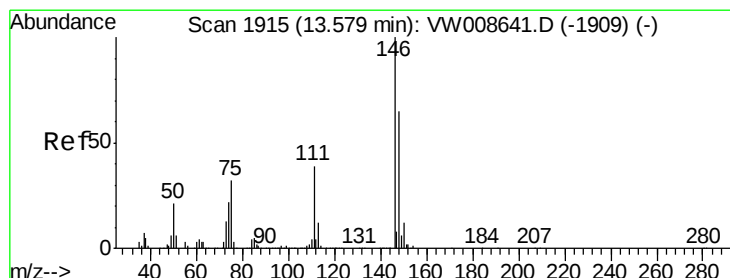
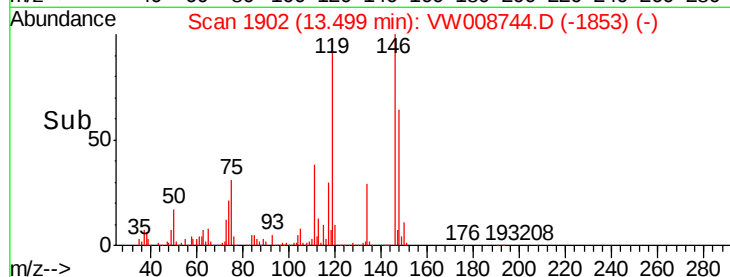
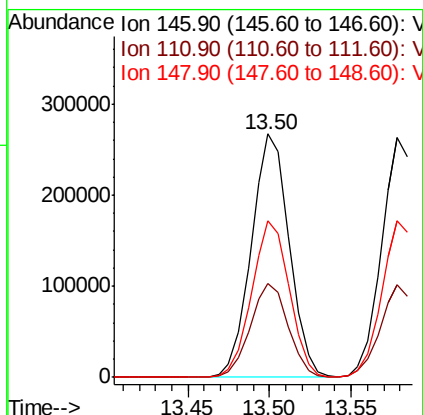
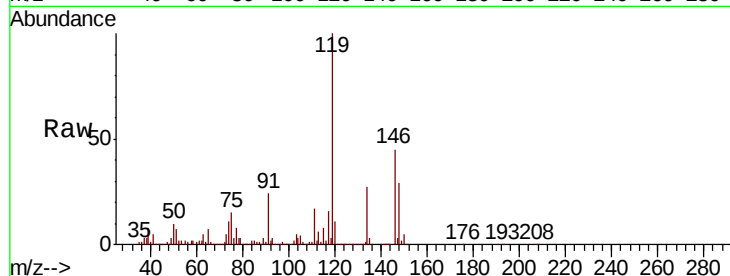
Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	63.8	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 50.559 ug/l

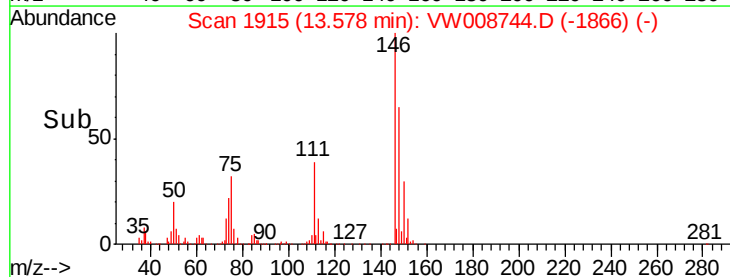
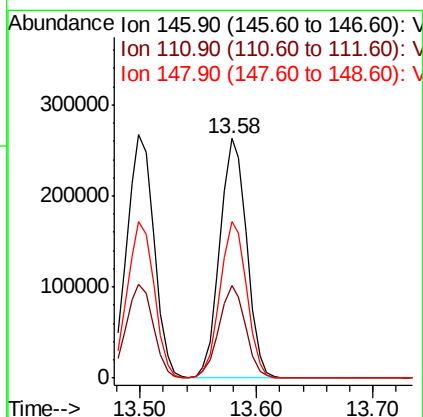
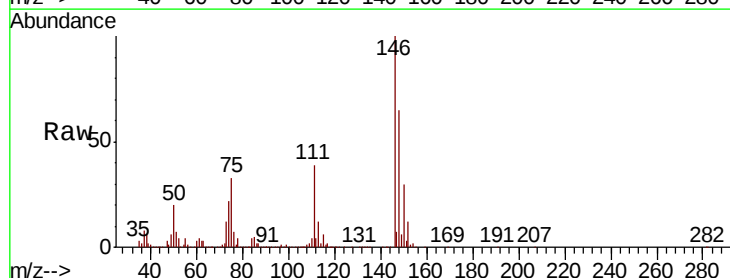
RT: 13.58 min Scan# 1915

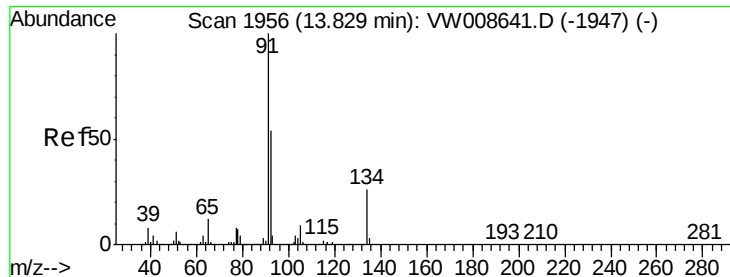
Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	64.7	31.8	95.4

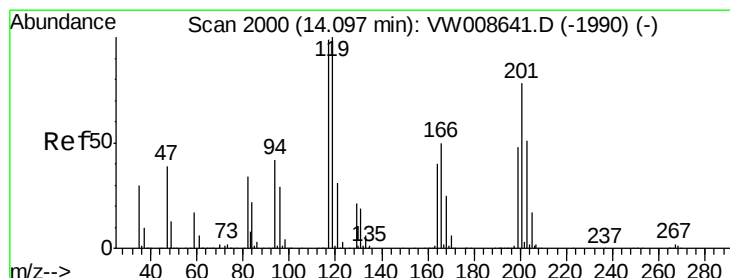
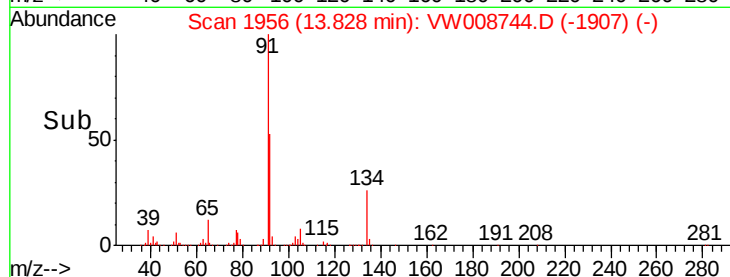
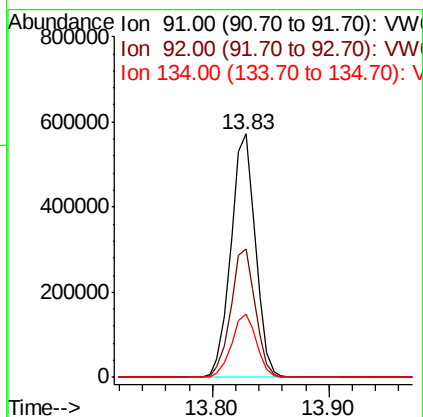
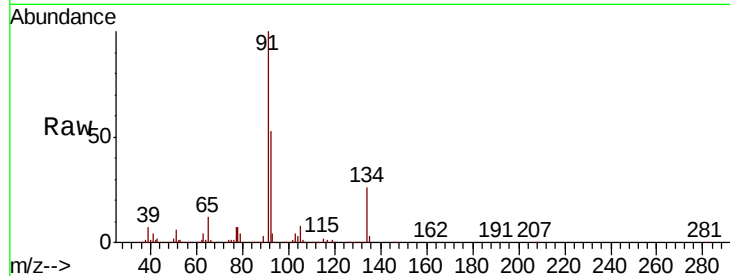




#89
n-Butylbenzene
Concen: 52.123 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

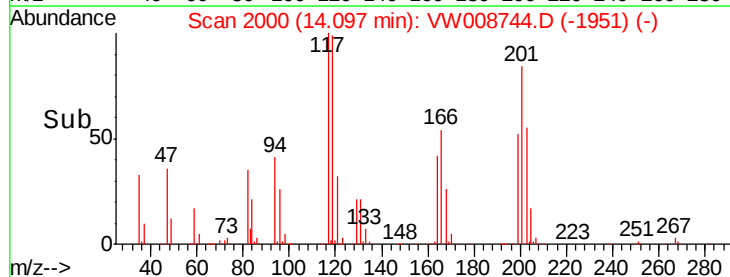
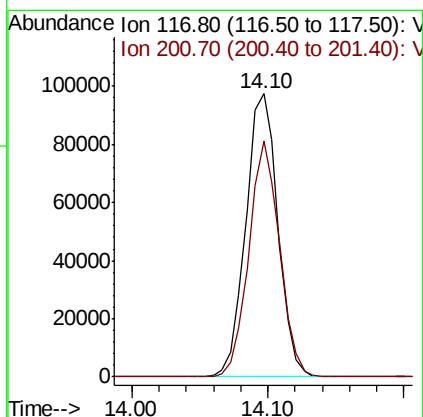
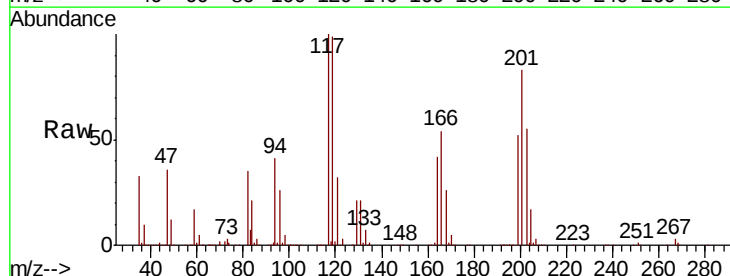
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

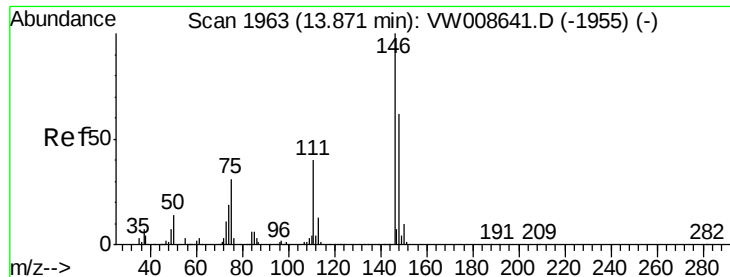
Tgt Ion: 91 Resp: 837869
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.4
134 26.1 13.0 39.0



#90
Hexachloroethane
Concen: 54.586 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion: 117 Resp: 161321
Ion Ratio Lower Upper
117 100
201 79.8 38.7 116.1





#91

1,2-Dichlorobenzene

Concen: 49.852 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

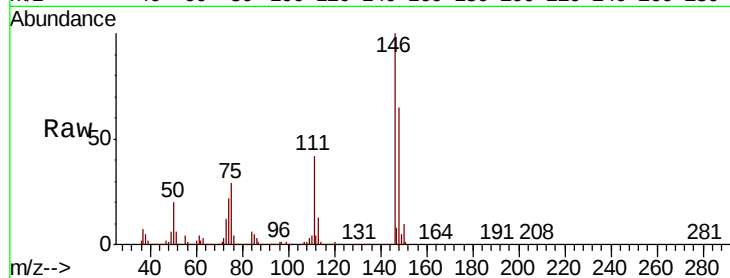
Tgt Ion:146 Resp: 370587

Ion Ratio Lower Upper

146 100

111 40.8 20.5 61.5

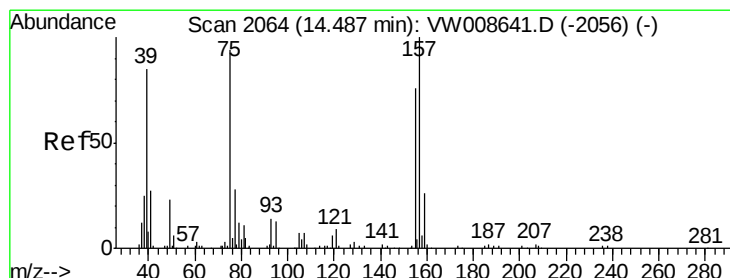
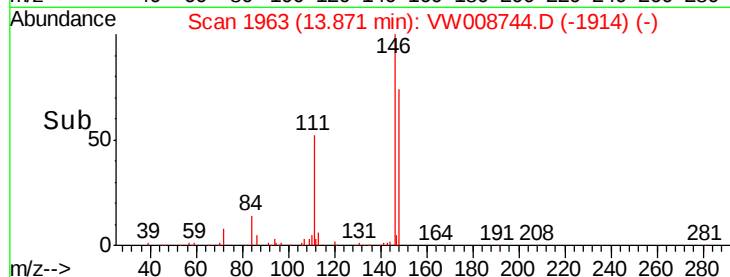
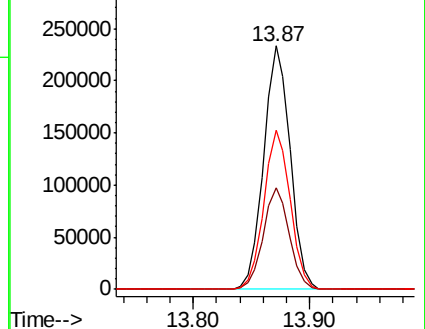
148 65.0 31.6 94.8



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: 49.254 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW008744.D

Acq: 19 Feb 2019 11:12

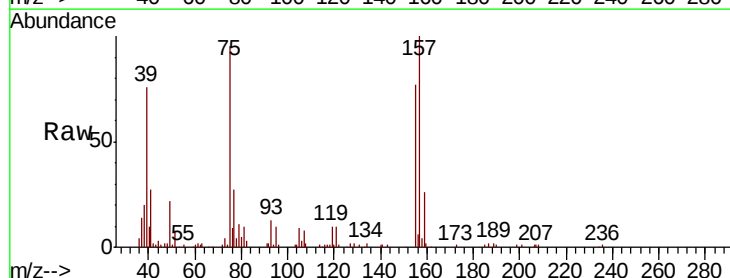
Tgt Ion: 75 Resp: 26813

Ion Ratio Lower Upper

75 100

155 85.2 41.8 125.4

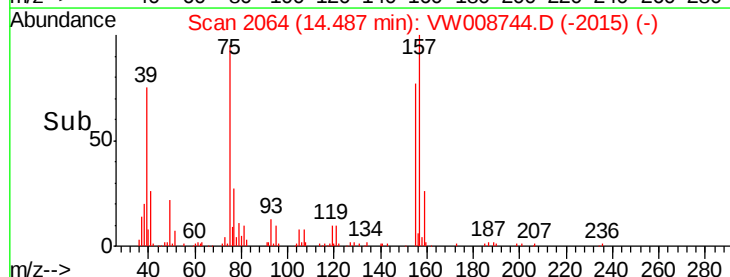
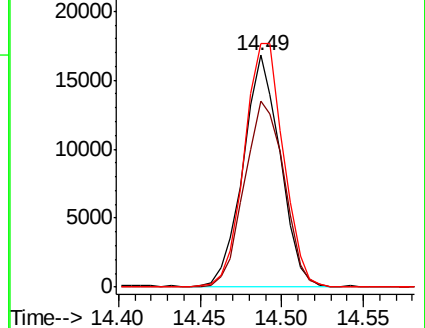
157 110.2 53.8 161.4

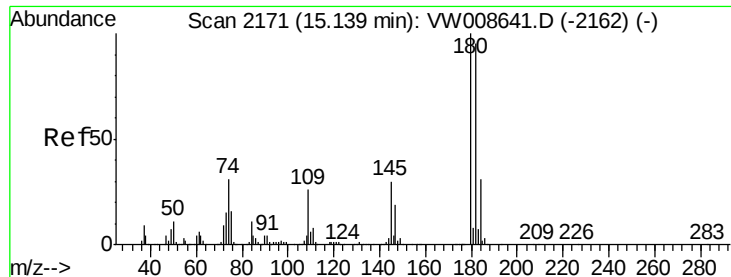


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

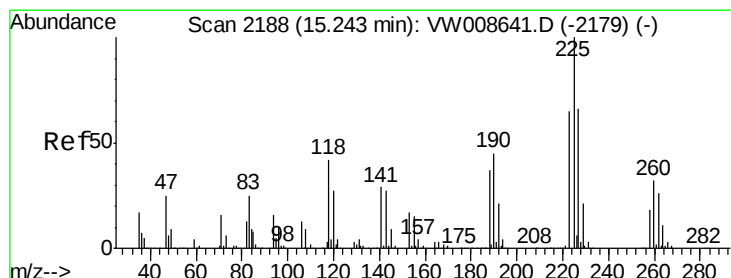
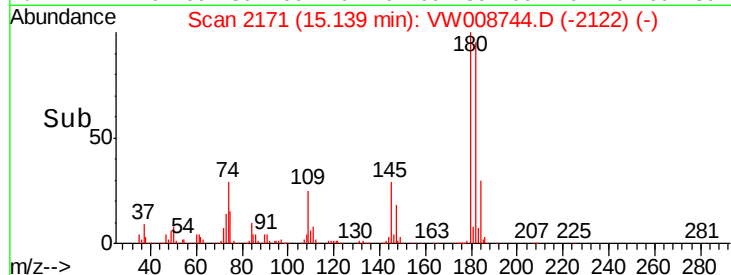
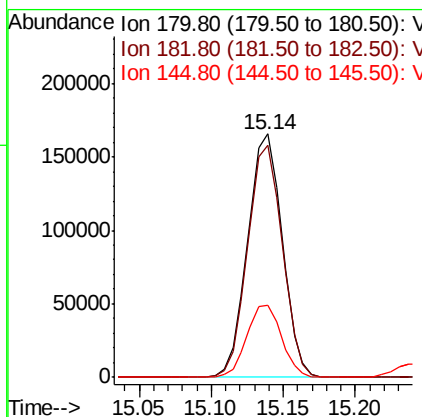
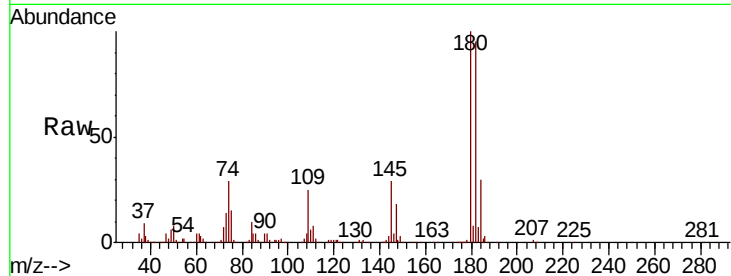




#93
 1,2,4-Trichlorobenzene
 Concen: 52.016 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

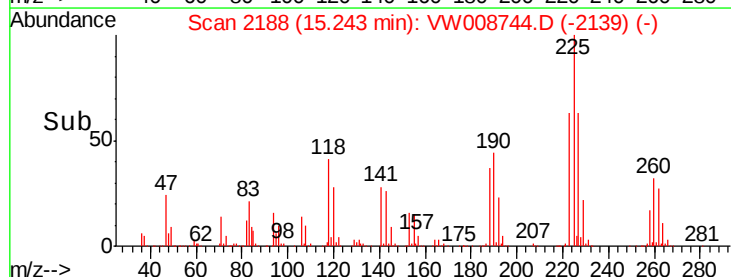
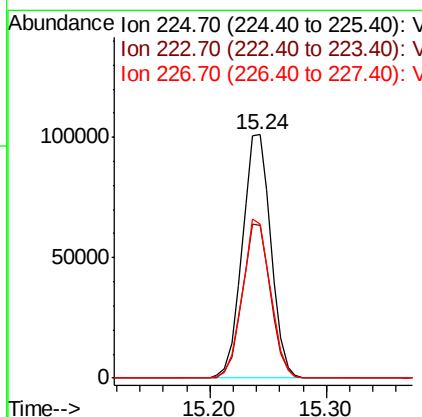
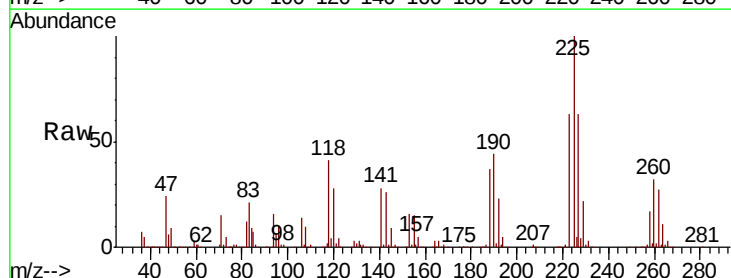
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

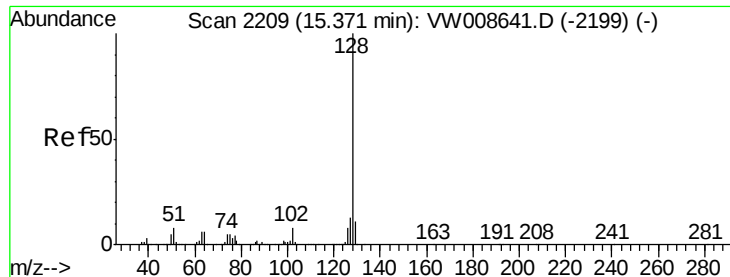
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	29.9	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 56.164 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008744.D
 Acq: 19 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.3
227	63.9	32.4	97.0

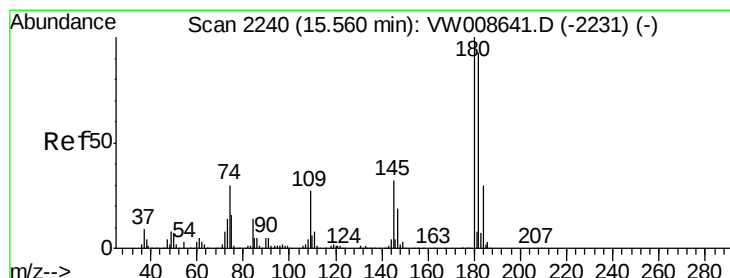
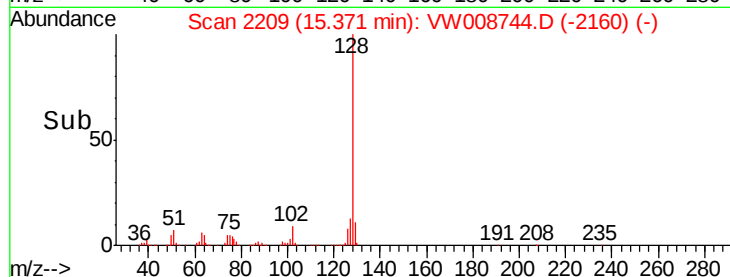
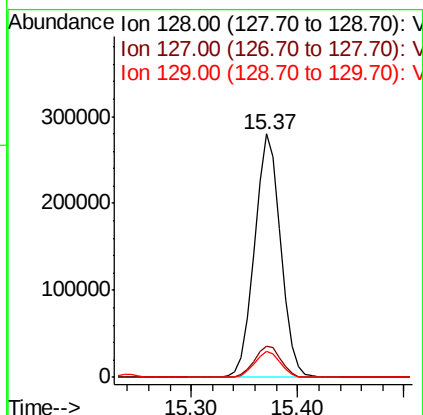
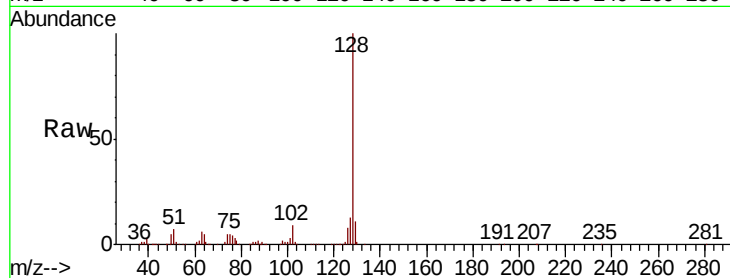




#95
Naphthalene
Concen: 50.664 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 480452
Ion Ratio Lower Upper
128 100
127 13.2 10.9 16.3
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.030 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008744.D
Acq: 19 Feb 2019 11:12

Tgt Ion:180 Resp: 240802
Ion Ratio Lower Upper
180 100
182 94.7 47.5 142.5
145 31.6 15.9 47.7

