

Data File : VW008325.D
Acq On : 17 Jan 2019 13:39
Operator : SY/VA
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Quant Time: Jan 18 00:29:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:24:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	105120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	172437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	161149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	21256	19.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.88%	
35) Dibromofluoromethane	7.88	113	20951	19.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.06%	
50) Toluene-d8	10.32	98	82415	19.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.12%	
62) 4-Bromofluorobenzene	12.62	95	29581	19.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	12991	19.613	ug/l	87
3) Chloromethane	2.21	50	17761	18.292	ug/l	95
4) Vinyl Chloride	2.36	62	24383	19.654	ug/l	90
5) Bromomethane	2.78	94	17979	19.123	ug/l	97
6) Chloroethane	2.92	64	15831	19.496	ug/l	98
7) Trichlorofluoromethane	3.26	101	16518	18.134	ug/l	97
8) Diethyl Ether	3.67	74	12285	19.449	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.05	101	20732	19.549	ug/l	95
10) Methyl Iodide	4.26	142	32084	18.758	ug/l	99
11) Tert butyl alcohol	5.18	59	7600	100.544	ug/l	94
12) 1,1-Dichloroethene	4.03	96	20674	19.167	ug/l	97
13) Acrolein	3.88	56	4865	74.930	ug/l	99
14) Allyl chloride	4.66	41	33282	18.457	ug/l	98
15) Acrylonitrile	5.36	53	23481	96.772	ug/l	97
16) Acetone	4.12	43	24128	95.012	ug/l	96
17) Carbon Disulfide	4.37	76	58917	17.951	ug/l	100
18) Methyl Acetate	4.67	43	13764	20.290	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	32695	19.802	ug/l	98
20) Methylene Chloride	4.90	84	24873	18.445	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	22658	18.703	ug/l	94
22) Diisopropyl ether	6.31	45	69067	19.619	ug/l	95
23) Vinyl Acetate	6.26	43	184975	98.296	ug/l	100
24) 1,1-Dichloroethane	6.21	63	42142	19.660	ug/l	99
25) 2-Butanone	7.17	43	31631	97.249	ug/l	95
26) 2,2-Dichloropropane	7.16	77	26492	19.367	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	25781	19.642	ug/l	99
28) Bromochloromethane	7.51	49	16590	18.786	ug/l #	96
29) Tetrahydrofuran	7.52	42	20422	100.715	ug/l	98
30) Chloroform	7.67	83	41369	19.506	ug/l	97
31) Cyclohexane	7.95	56	36856	18.046	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	35158	19.753	ug/l	97
36) 1,1-Dichloropropene	8.08	75	32586	18.783	ug/l	99
37) Ethyl Acetate	7.26	43	14242	19.907	ug/l	97
38) Carbon Tetrachloride	8.06	117	32604	19.032	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	38286	18.553	ug/l	95
40) Benzene	8.32	78	95404	19.413	ug/l	99
41) Methacrylonitrile	7.48	41	7713	18.520	ug/l	94
42) 1,2-Dichloroethane	8.40	62	26649	19.393	ug/l	98
43) Isopropyl Acetate	8.43	43	25516	18.882	ug/l	95
44) Trichloroethene	9.09	130	25674	19.069	ug/l	96
45) 1,2-Dichloropropane	9.37	63	23759	19.463	ug/l	98
46) Dibromomethane	9.46	93	12608	19.817	ug/l	95
47) Bromodichloromethane	9.65	83	31070	19.798	ug/l	93
48) Methyl methacrylate	9.43	41	11845	18.619	ug/l	91
49) 1,4-Dioxane	9.45	88	3990	389.575	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	65510	95.736	ug/l	100
52) Toluene	10.39	92	60394	19.419	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	30084	19.207	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	35337	19.138	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	17697	20.055	ug/l	97
56) Ethyl methacrylate	10.65	69	19889	19.191	ug/l	96
57) 1,3-Dichloropropane	10.93	76	30207	19.715	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	49785	99.592	ug/l	99
59) 2-Hexanone	10.97	43	47055	98.144	ug/l	99
60) Dibromochloromethane	11.13	129	20136	19.119	ug/l	99
61) 1,2-Dibromoethane	11.24	107	16819	19.683	ug/l	100
64) Tetrachloroethene	10.86	164	21438	18.973	ug/l	97
65) Chlorobenzene	11.66	112	67791	19.286	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	23221	19.194	ug/l	98
67) Ethyl Benzene	11.73	91	114743	18.800	ug/l	100
68) m/p-Xylenes	11.84	106	90510	38.207	ug/l	97
69) o-Xylene	12.16	106	42434	19.173	ug/l	100
70) Styrene	12.18	104	69256	19.481	ug/l	100
71) Bromoform	12.35	173	11627	19.293	ug/l #	97
73) Isopropylbenzene	12.47	105	113985	18.657	ug/l	99
74) N-amyl acetate	12.27	43	24633	18.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	19602	18.863	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	26369	32.350	ug/l	24
77) Bromobenzene	12.75	156	27448	18.704	ug/l	98
78) n-propylbenzene	12.81	91	138609	18.744	ug/l	100
79) 2-Chlorotoluene	12.90	91	80395	19.028	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	97733	19.170	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	6047	18.899	ug/l	99
82) 4-Chlorotoluene	12.99	91	84283	19.090	ug/l	99
83) tert-Butylbenzene	13.21	119	84016	18.723	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	97468	18.767	ug/l	99
85) sec-Butylbenzene	13.39	105	123585	19.182	ug/l	99
86) p-Isopropyltoluene	13.51	119	108464	19.275	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	55136	18.910	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	54680	18.718	ug/l	96
89) n-Butylbenzene	13.83	91	103180	19.116	ug/l	98
90) Hexachloroethane	14.10	117	18917	18.166	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	48565	18.865	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3192	18.785	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011719\
Quantitation Report (Not Reviewed)

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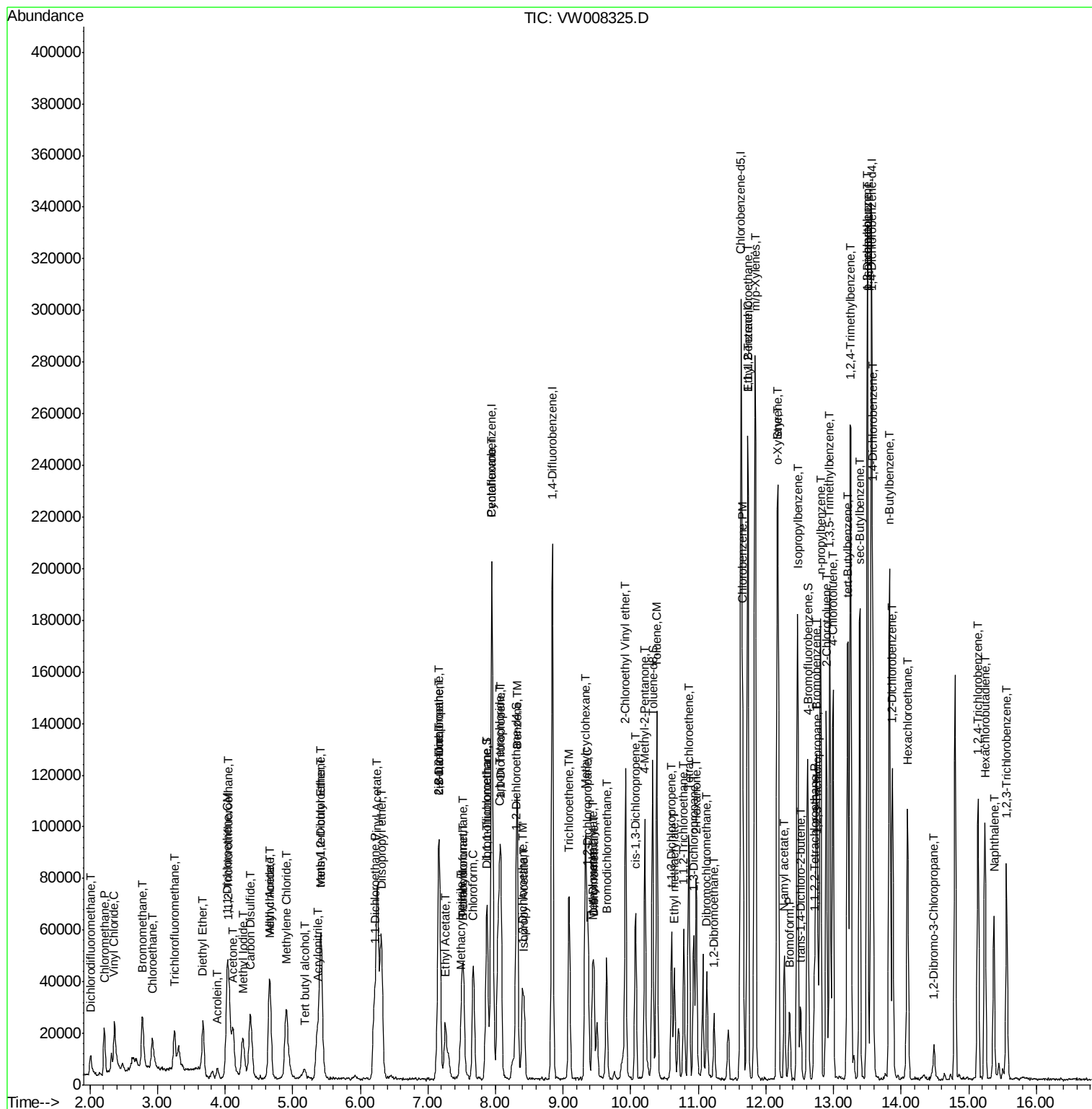
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33732	19.356	ug/l	100
94) Hexachlorobutadiene	15.24	225	18398	18.733	ug/l	98
95) Naphthalene	15.38	128	55201	18.956	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	28399	18.709	ug/l	99

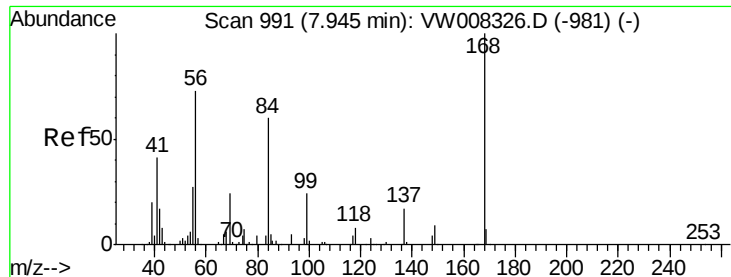
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Client Sampled :
VSTDIC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

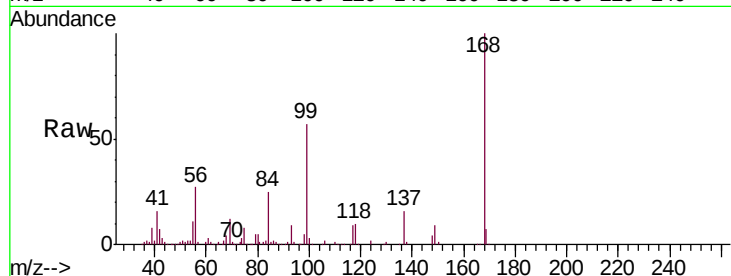
VSTDIC020

Tgt Ion:168 Resp: 105120

Ion Ratio Lower Upper

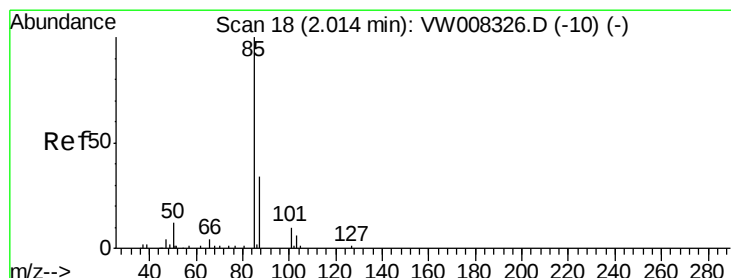
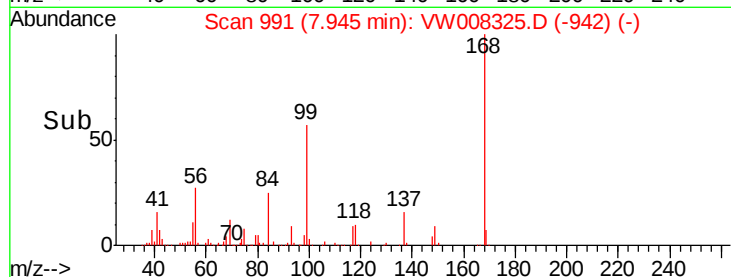
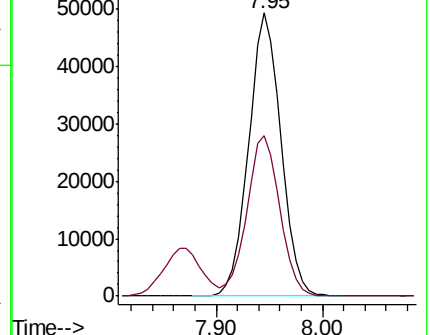
168 100

99 56.5 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.613 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008325.D

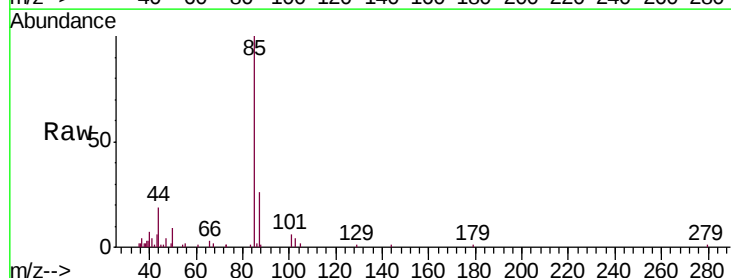
Acq: 17 Jan 2019 13:39

Tgt Ion: 85 Resp: 12991

Ion Ratio Lower Upper

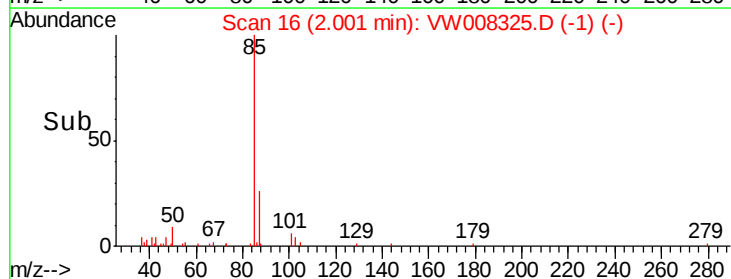
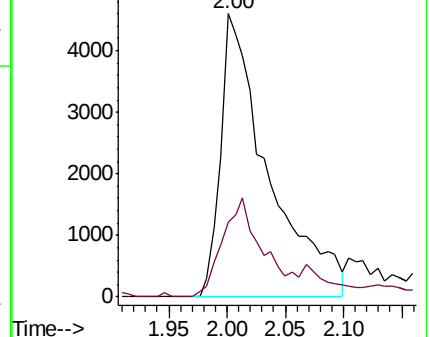
85 100

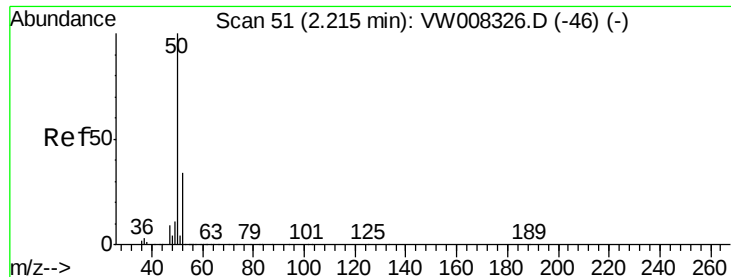
87 26.2 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.292 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

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ClientSampleId :

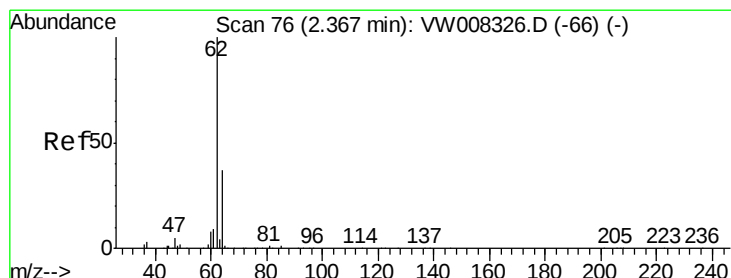
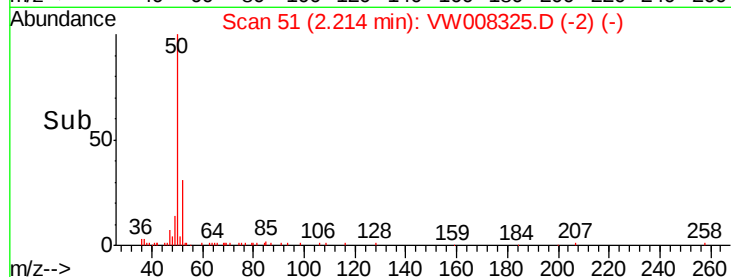
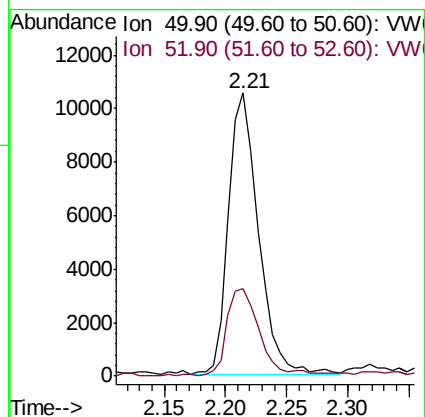
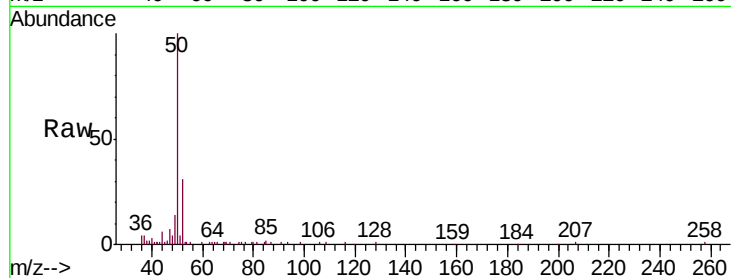
VSTDIC020

Tgt Ion: 50 Resp: 17761

Ion Ratio Lower Upper

50 100

52 30.5 26.7 40.1



#4

Vinyl Chloride

Concen: 19.654 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008325.D

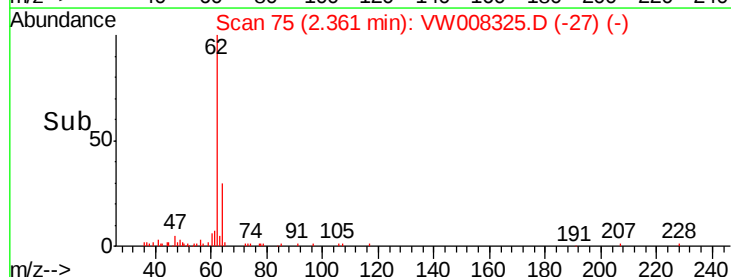
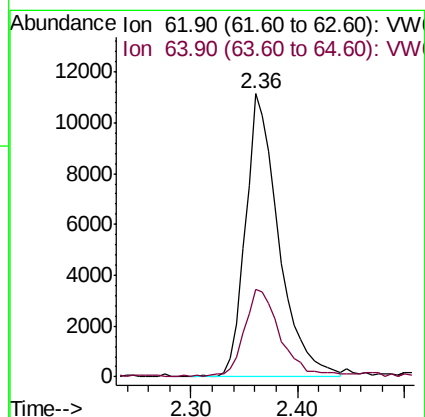
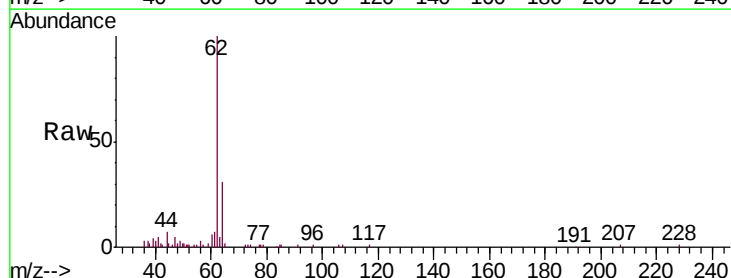
Acq: 17 Jan 2019 13:39

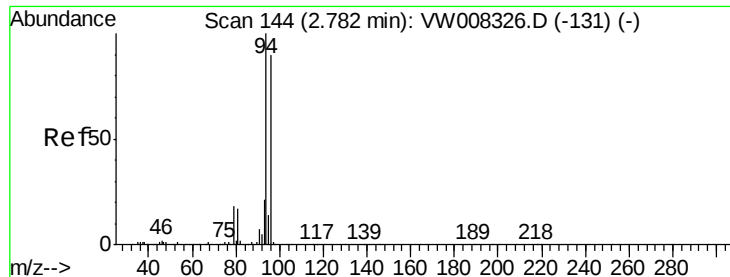
Tgt Ion: 62 Resp: 24383

Ion Ratio Lower Upper

62 100

64 30.8 29.4 44.2





#5

Bromomethane

Concen: 19.123 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

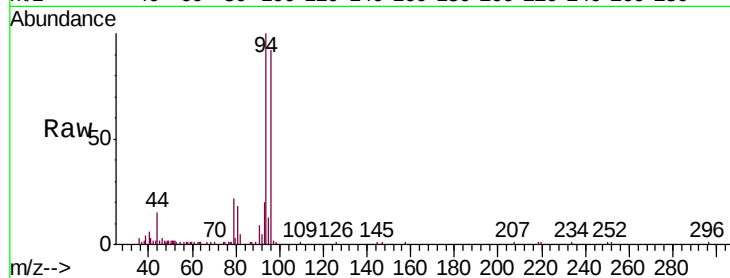
VSTDIC020

Tgt Ion: 94 Resp: 17979

Ion Ratio Lower Upper

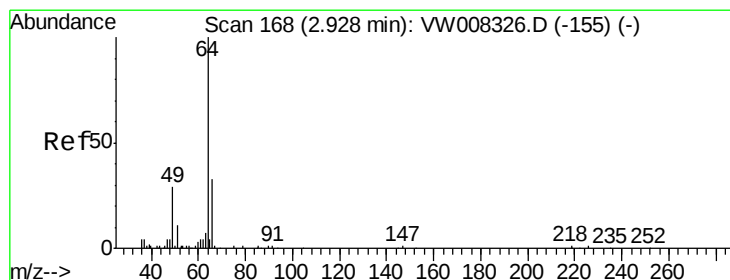
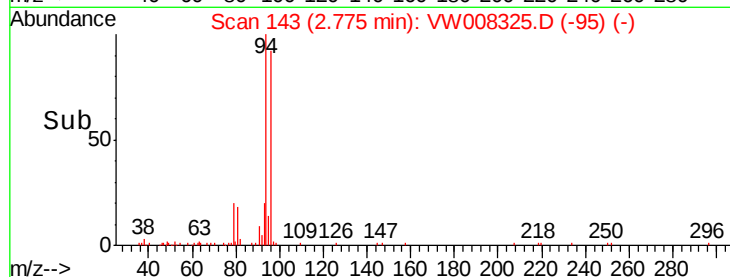
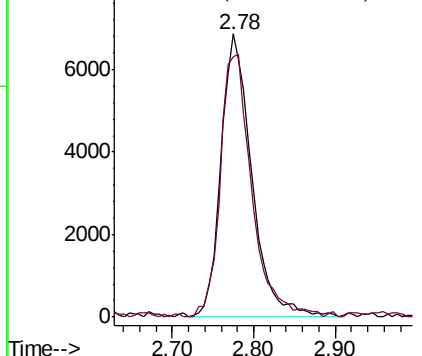
94 100

96 92.1 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.496 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008325.D

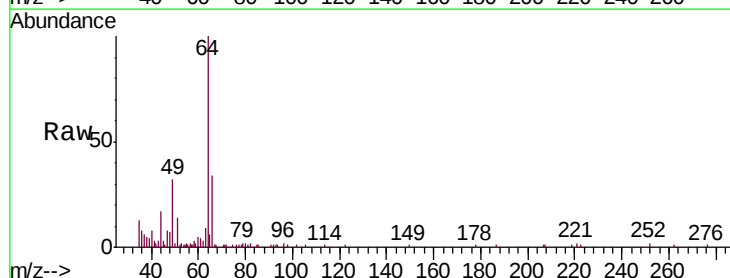
Acq: 17 Jan 2019 13:39

Tgt Ion: 64 Resp: 15831

Ion Ratio Lower Upper

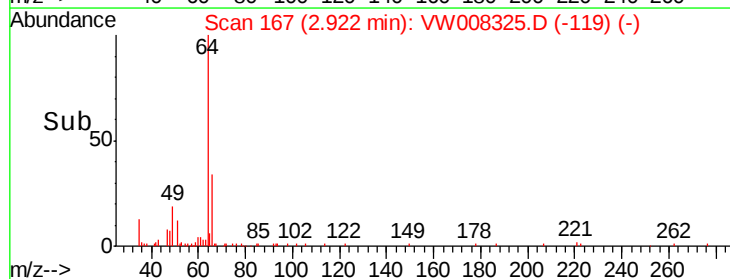
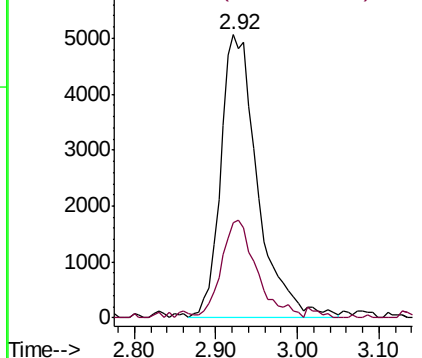
64 100

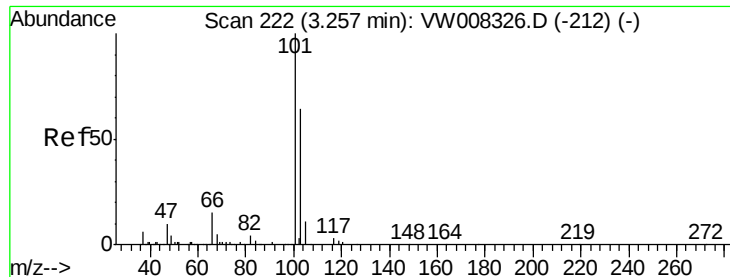
66 34.1 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



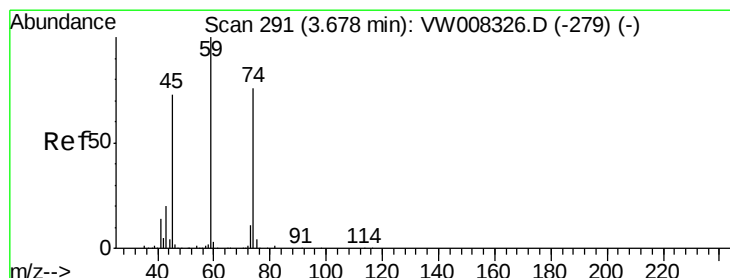
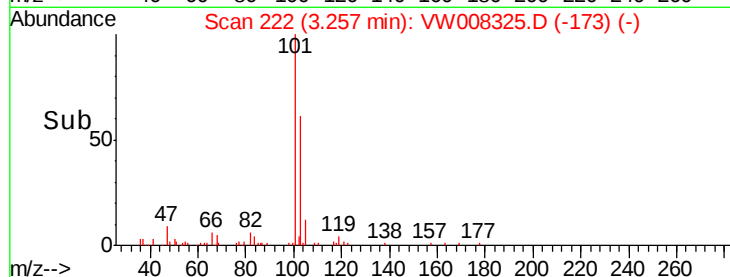
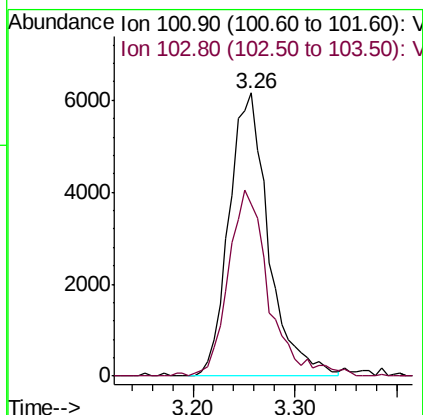
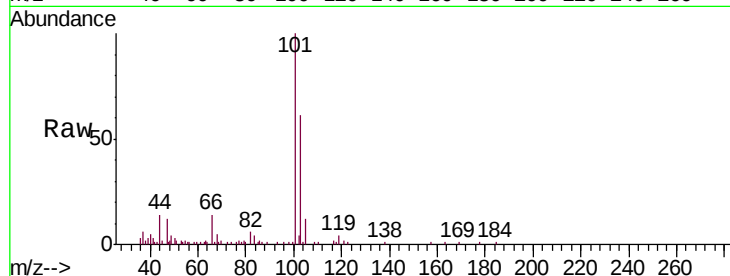


#7

Trichlorofluoromethane
 Concen: 18.134 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008325.D
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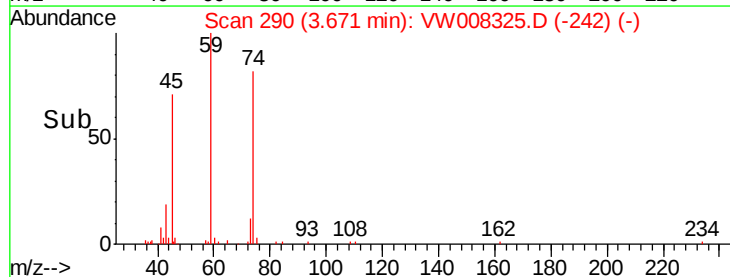
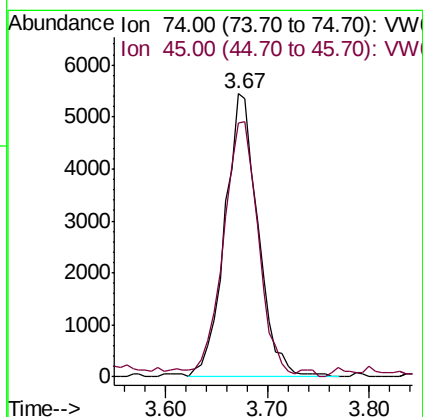
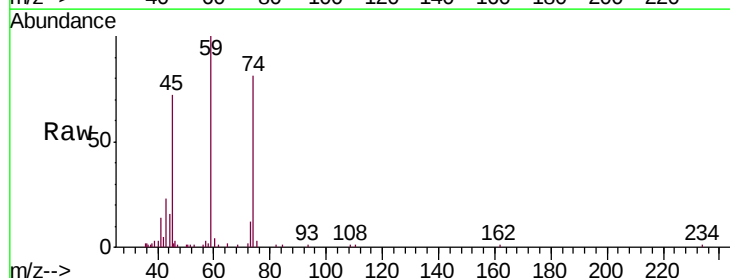
Tgt Ion:101 Resp: 16518
 Ion Ratio Lower Upper
 101 100
 103 60.9 50.9 76.3

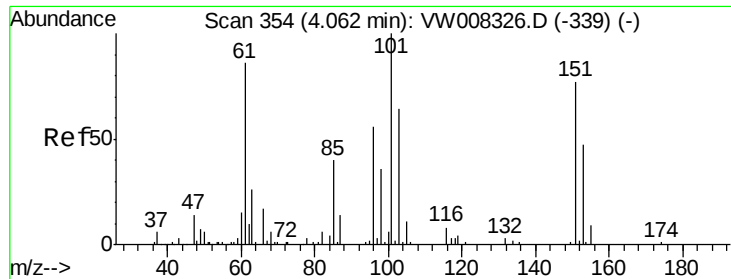


#8

Diethyl Ether
 Concen: 19.449 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion: 74 Resp: 12285
 Ion Ratio Lower Upper
 74 100
 45 91.6 50.1 150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.549 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

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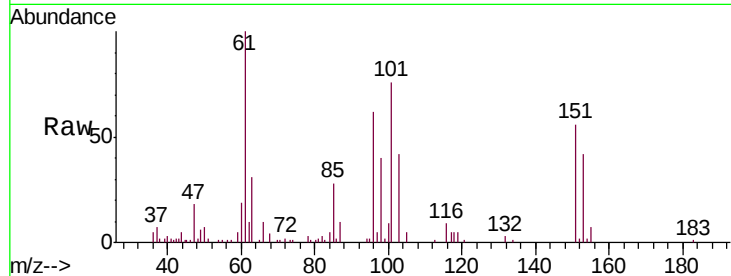
Tgt Ion:101 Resp: 20732

Ion Ratio Lower Upper

101 100

85 43.2 36.0 54.0

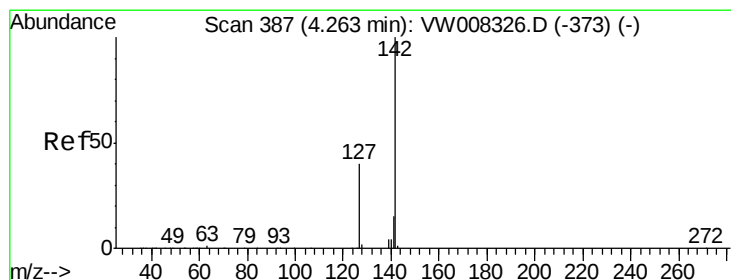
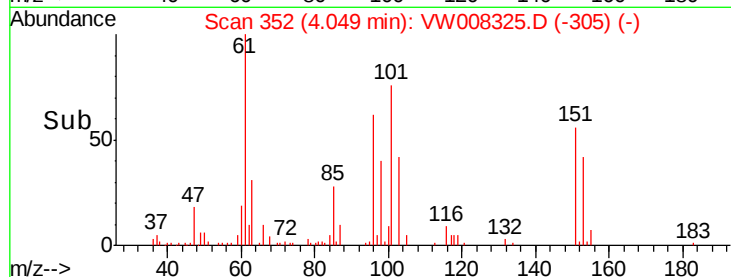
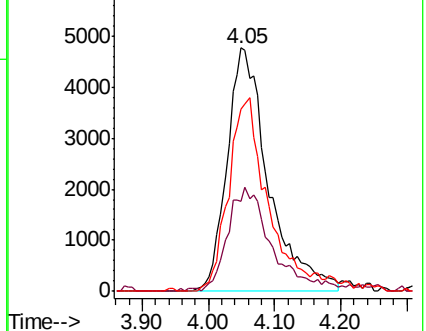
151 73.0 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.758 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

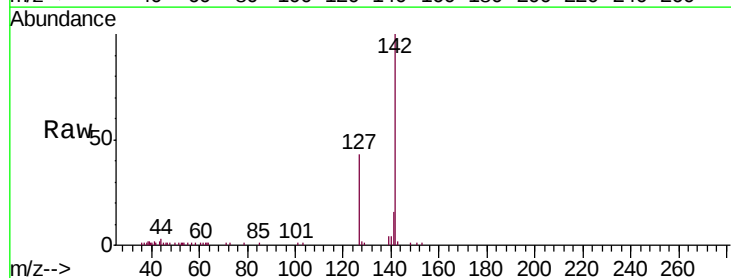
Tgt Ion:142 Resp: 32084

Ion Ratio Lower Upper

142 100

127 44.2 34.3 51.5

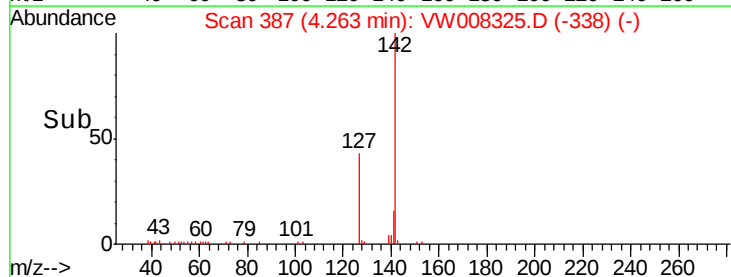
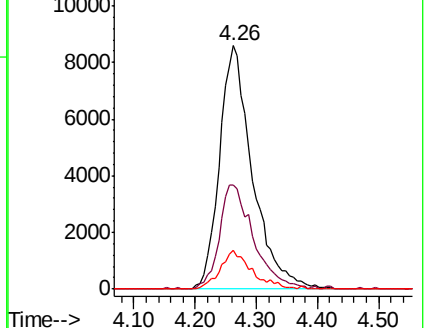
141 15.2 12.2 18.2

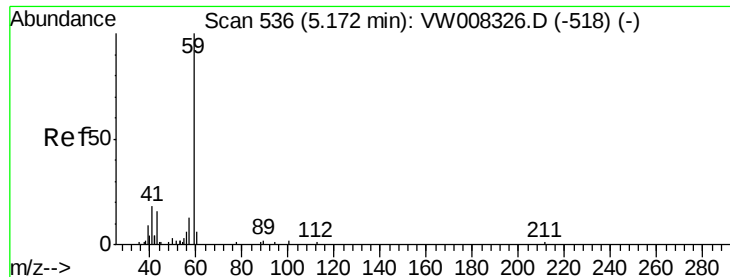


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



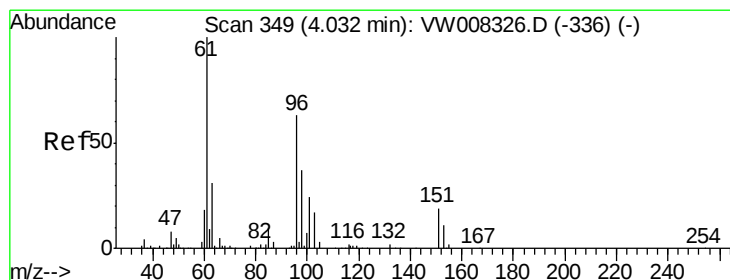
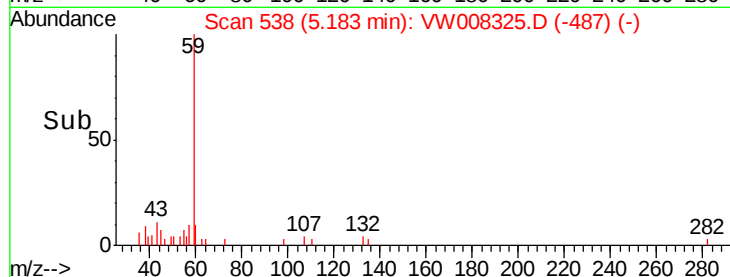
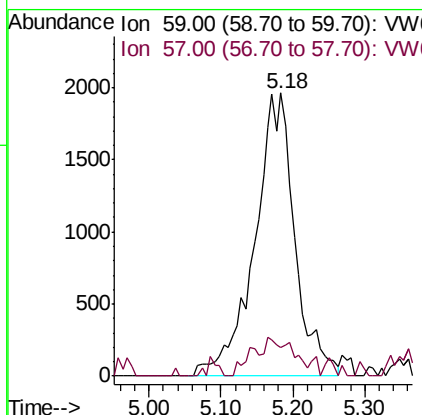
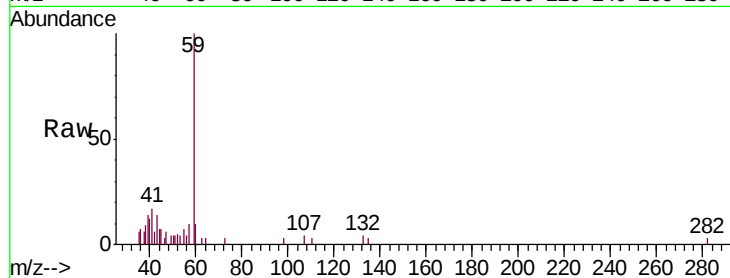


#11

Tert butyl alcohol
 Concen: 100.544 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

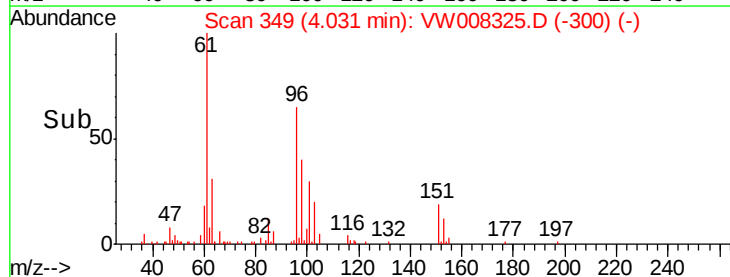
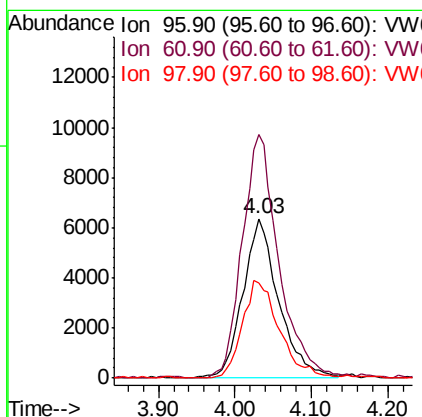
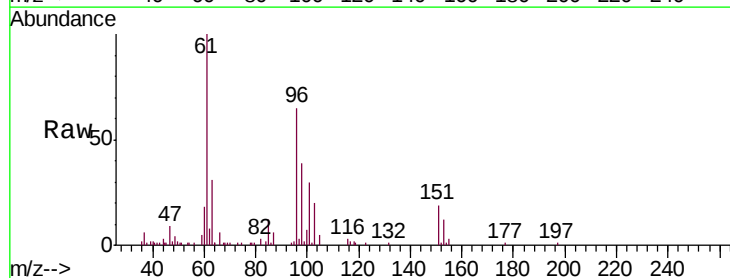
Tgt Ion: 59 Resp: 7600
 Ion Ratio Lower Upper
 59 100
 57 9.5 9.4 14.2

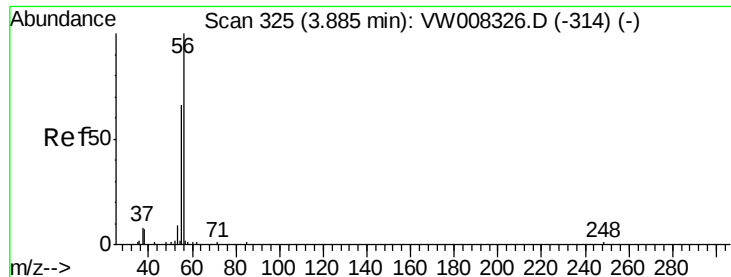


#12

1,1-Dichloroethene
 Concen: 19.167 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion: 96 Resp: 20674
 Ion Ratio Lower Upper
 96 100
 61 152.8 126.4 189.6
 98 60.1 46.7 70.1





#13

Acrolein

Concen: 74.930 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

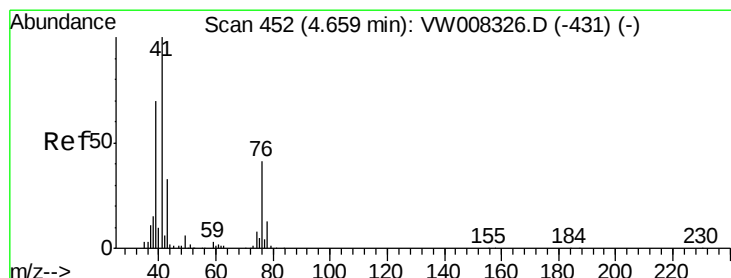
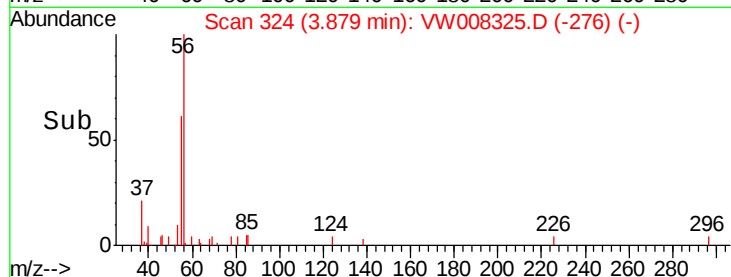
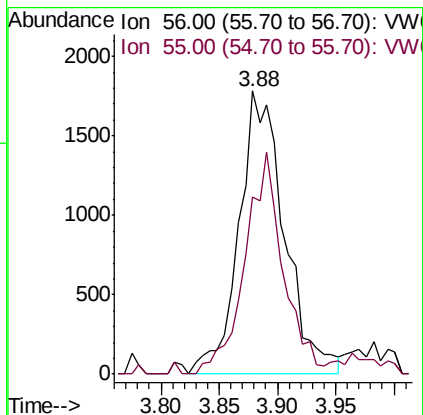
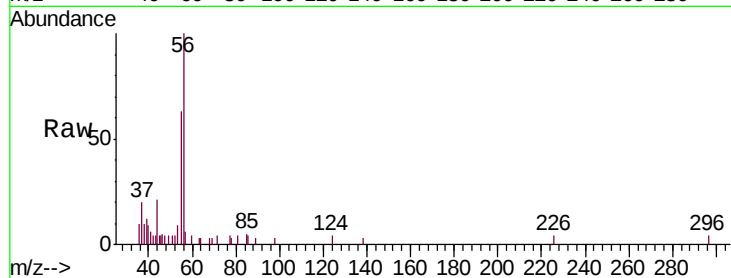
VSTDIC020

Tgt Ion: 56 Resp: 4865

Ion Ratio Lower Upper

56 100

55 65.4 52.9 79.3



#14

Allyl chloride

Concen: 18.457 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

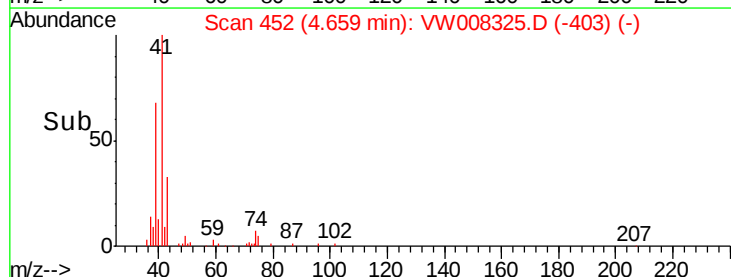
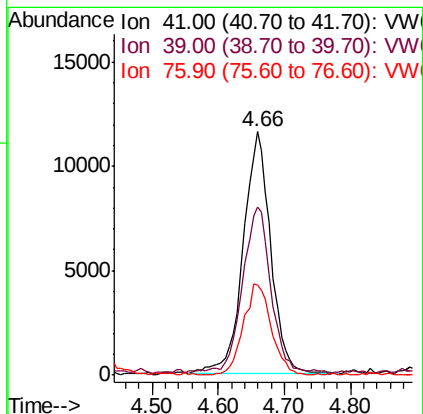
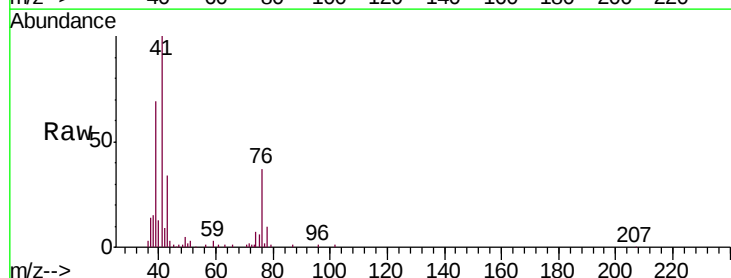
Tgt Ion: 41 Resp: 33282

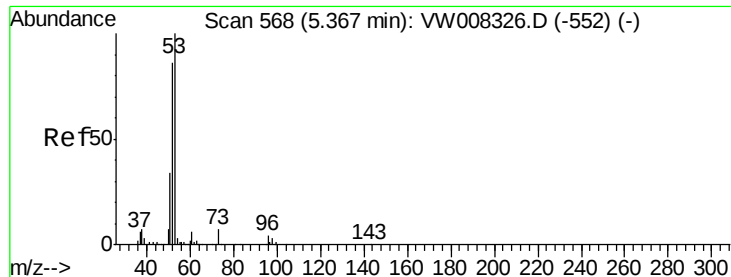
Ion Ratio Lower Upper

41 100

39 68.9 54.1 81.1

76 38.6 29.5 44.3

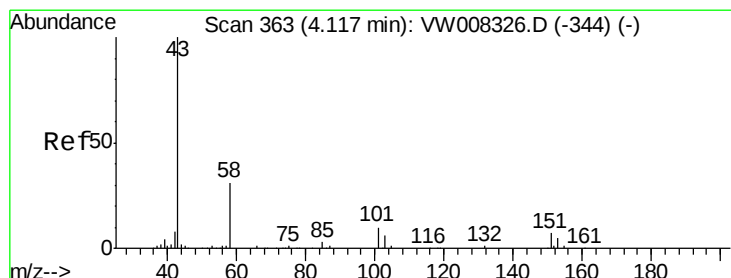
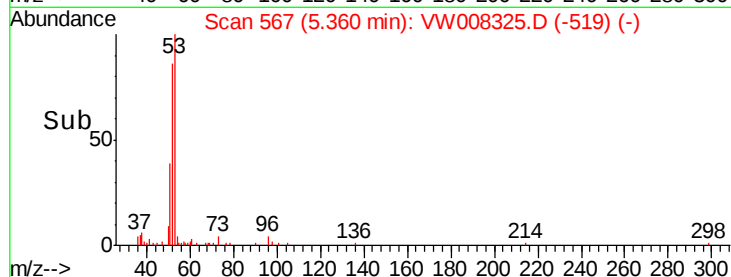
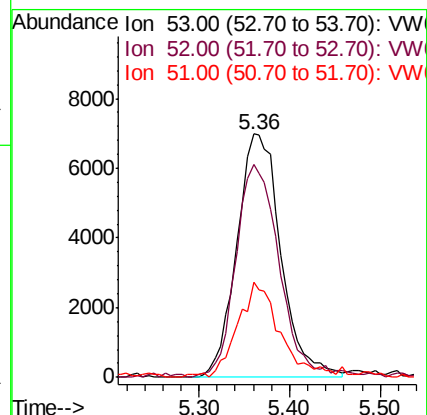
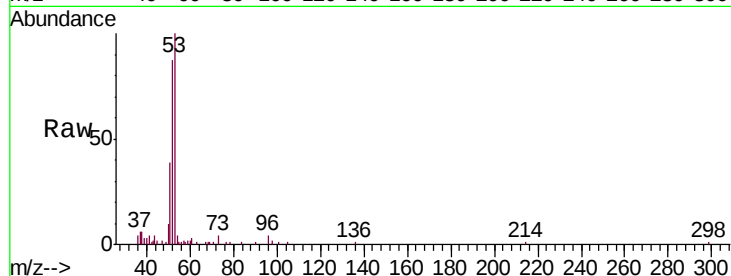




#15
 Acrylonitrile
 Concen: 96.772 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

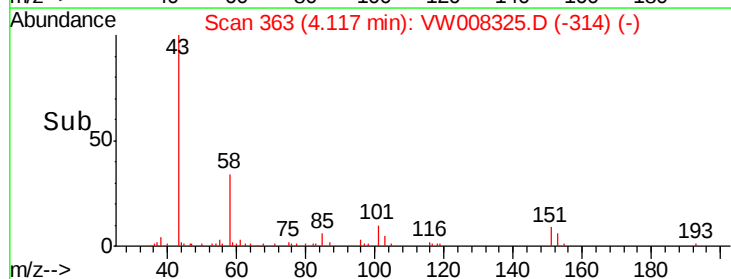
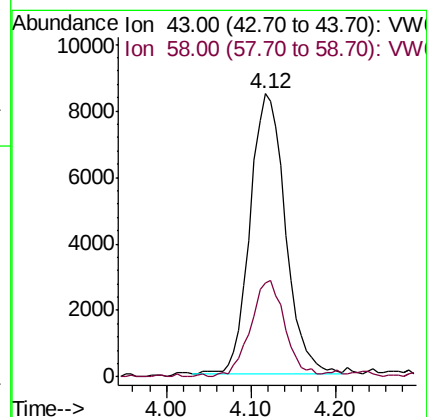
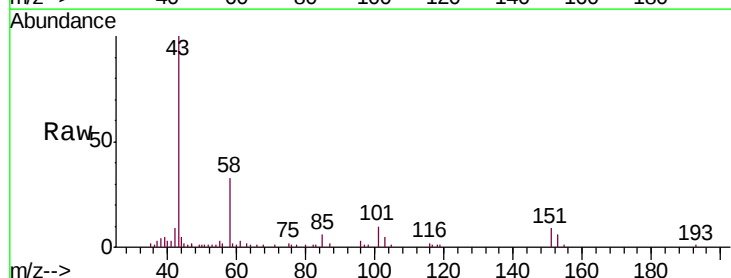
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

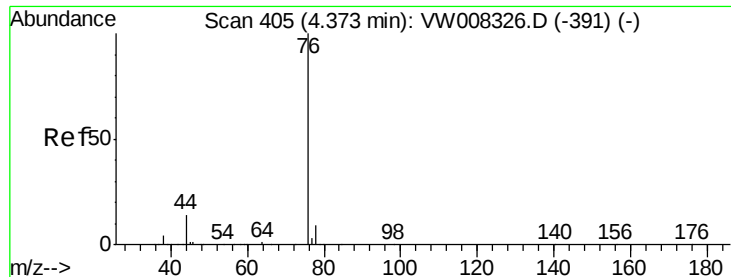
Tgt Ion: 53 Resp: 23481
 Ion Ratio Lower Upper
 53 100
 52 85.8 66.4 99.6
 51 37.7 29.6 44.4



#16
 Acetone
 Concen: 95.012 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion: 43 Resp: 24128
 Ion Ratio Lower Upper
 43 100
 58 33.3 24.7 37.1





#17

Carbon Disulfide

Concen: 17.951 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

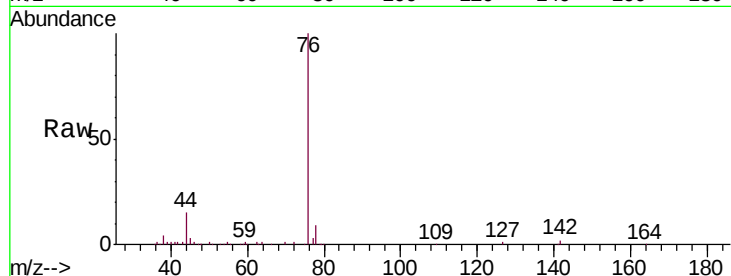
VSTDIC020

Tgt Ion: 76 Resp: 58917

Ion Ratio Lower Upper

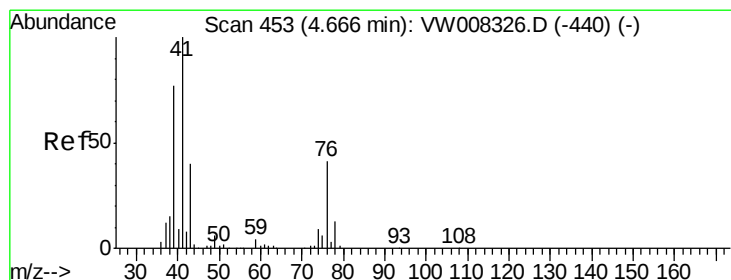
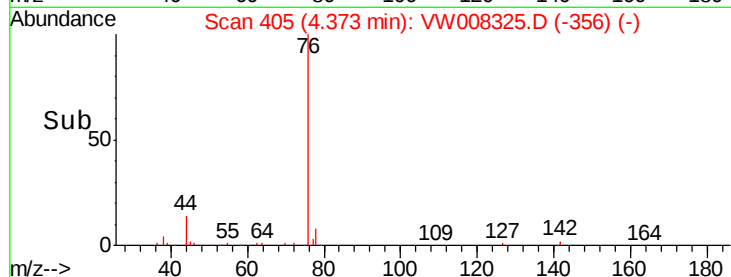
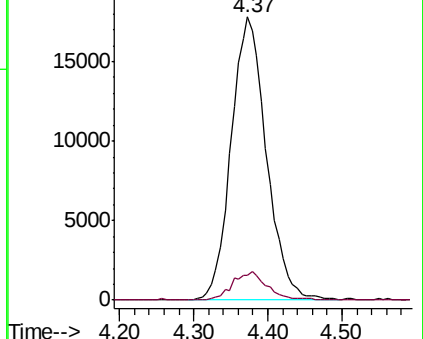
76 100

78 8.7 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.290 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW008325.D

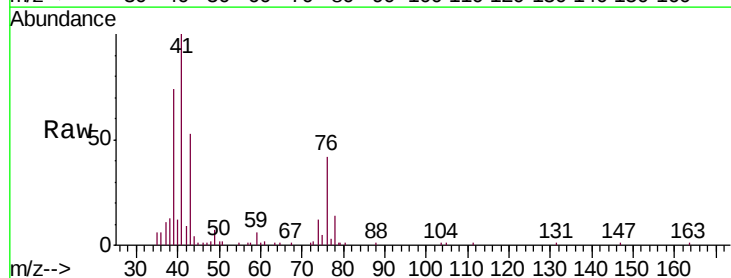
Acq: 17 Jan 2019 13:39

Tgt Ion: 43 Resp: 13764

Ion Ratio Lower Upper

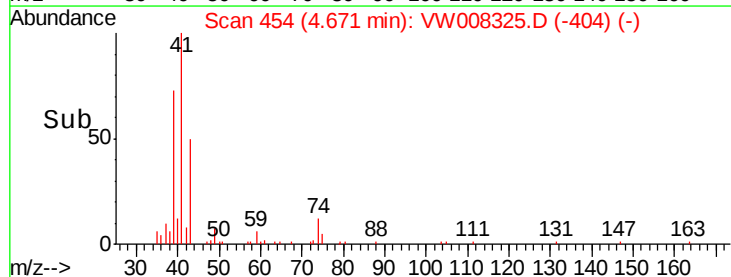
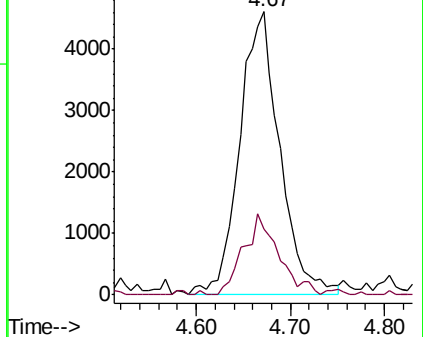
43 100

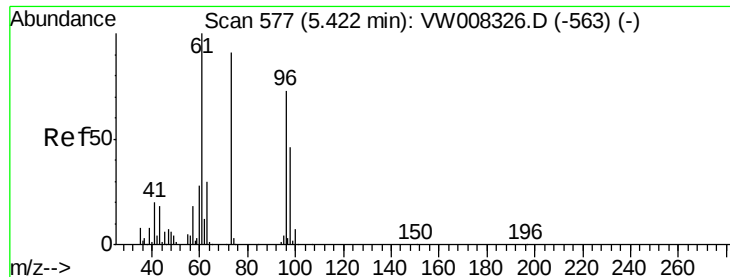
74 24.9 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

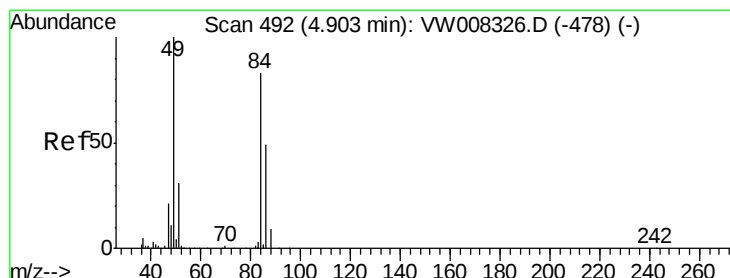
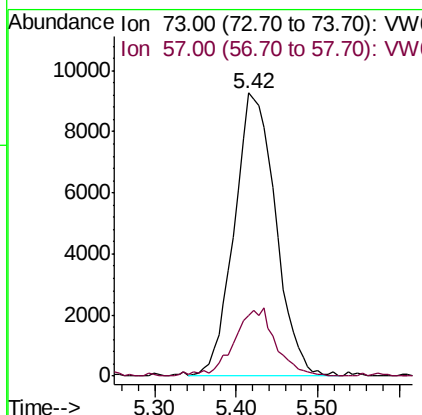
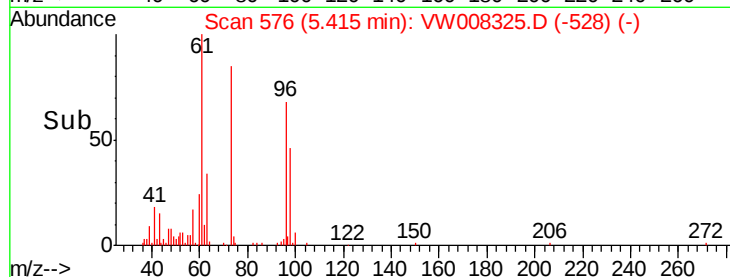
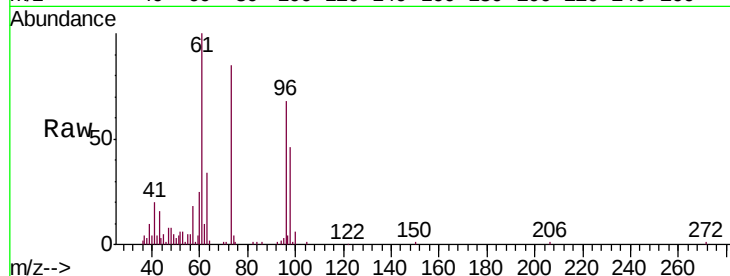




#19
Methyl tert-butyl Ether
Concen: 19.802 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

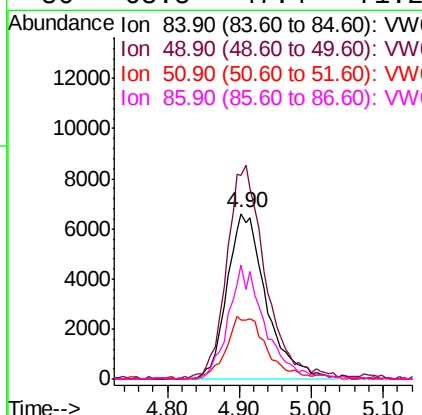
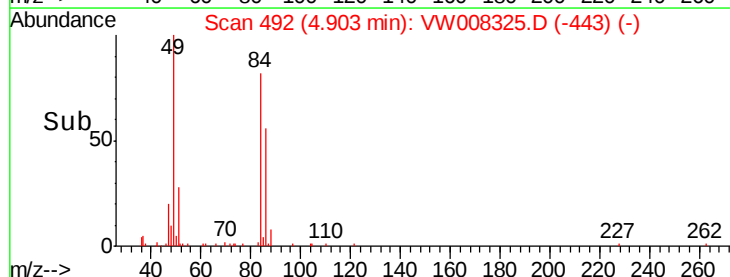
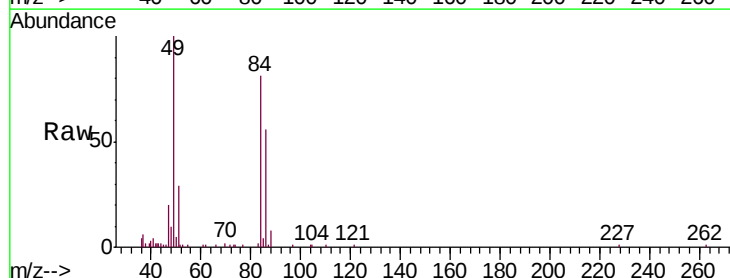
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

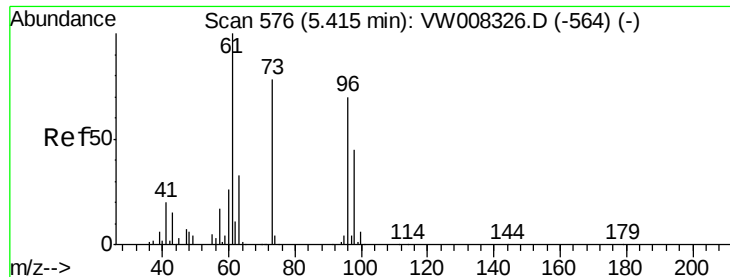
Tgt Ion: 73 Resp: 32695
Ion Ratio Lower Upper
73 100
57 21.2 16.3 24.5



#20
Methylene Chloride
Concen: 18.445 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion: 84 Resp: 24873
Ion Ratio Lower Upper
84 100
49 122.1 95.9 143.9
51 34.6 29.3 43.9
86 68.5 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 18.703 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

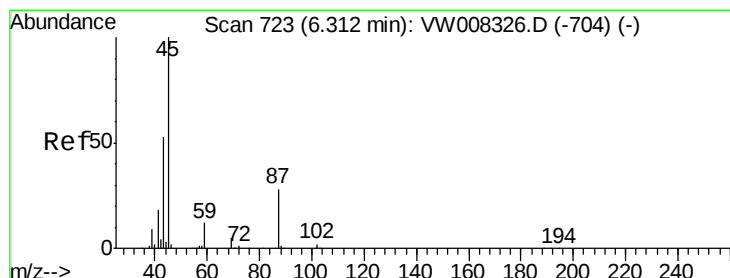
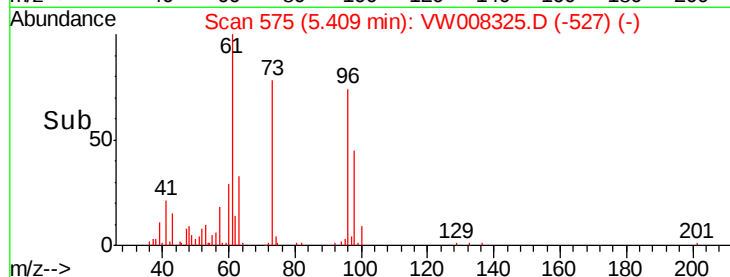
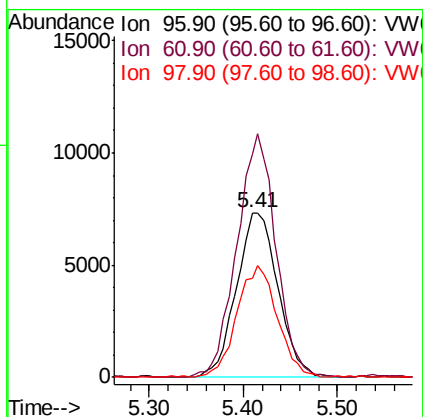
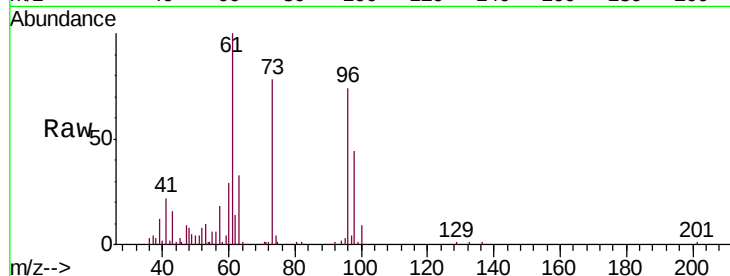
Tgt Ion: 96 Resp: 22658

Ion Ratio Lower Upper

96 100

61 135.7 114.5 171.7

98 60.2 52.0 78.0



#22

Diisopropyl ether

Concen: 19.619 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Tgt Ion: 45 Resp: 69067

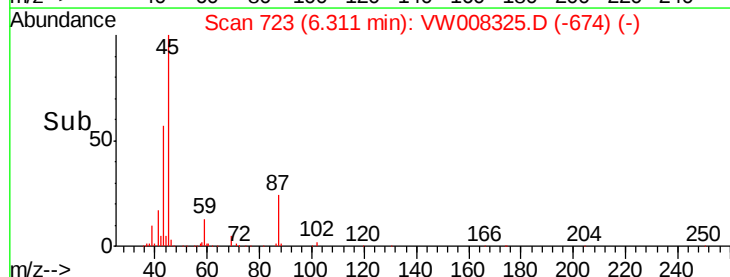
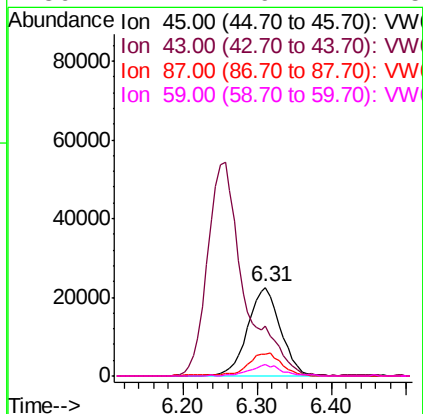
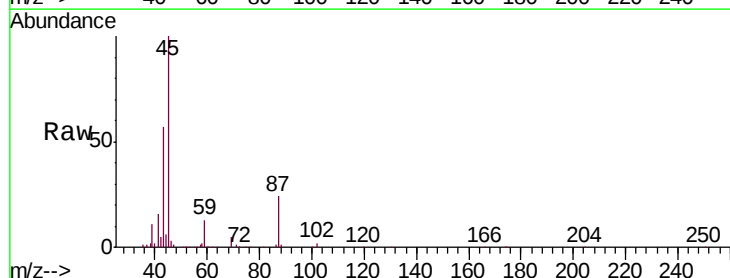
Ion Ratio Lower Upper

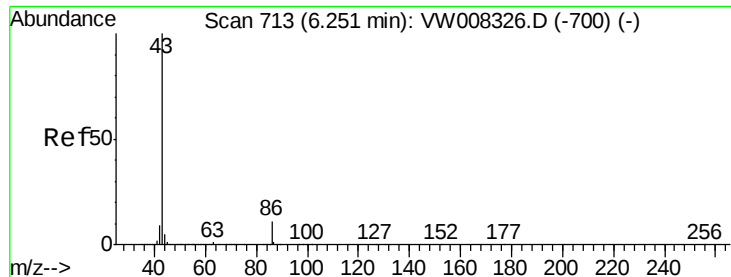
45 100

43 56.6 42.5 63.7

87 24.3 22.2 33.2

59 12.7 9.7 14.5





#23

Vinyl Acetate

Concen: 98.296 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

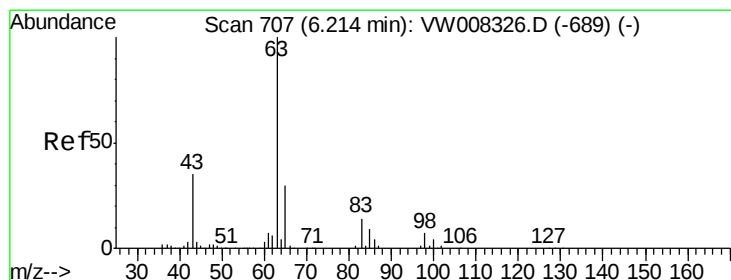
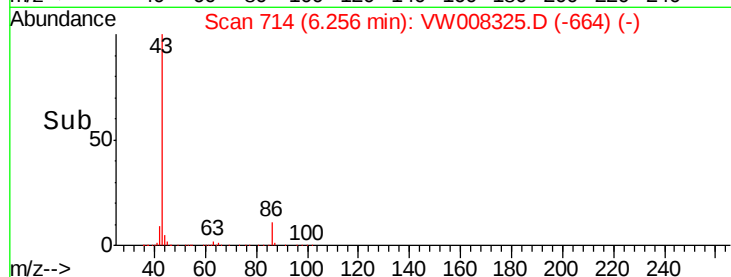
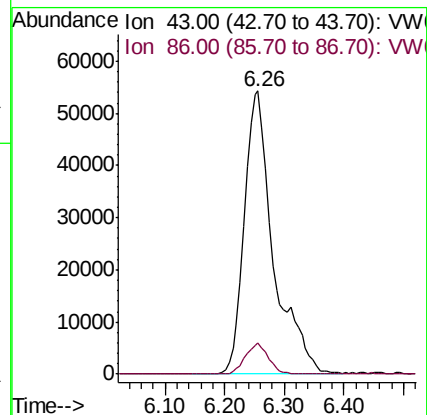
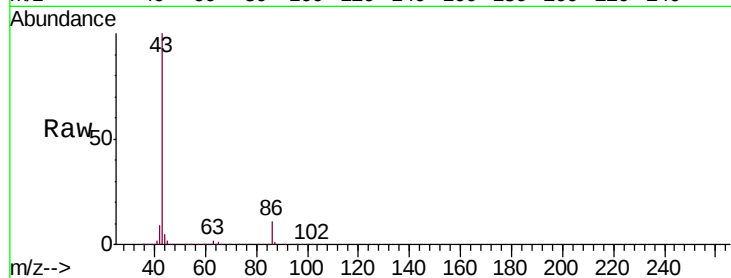
VSTDIC020

Tgt Ion: 43 Resp: 184975

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



#24

1,1-Dichloroethane

Concen: 19.660 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

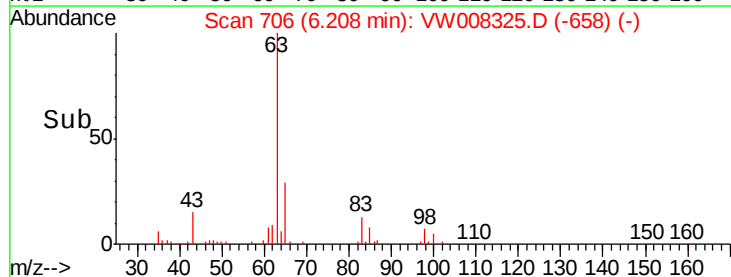
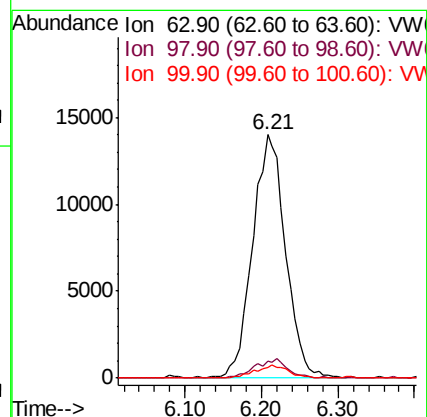
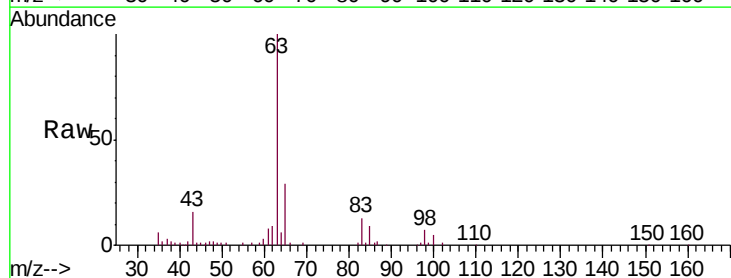
Tgt Ion: 63 Resp: 42142

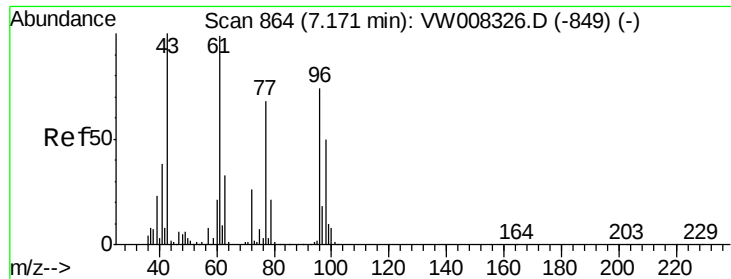
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 97.249 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampled :

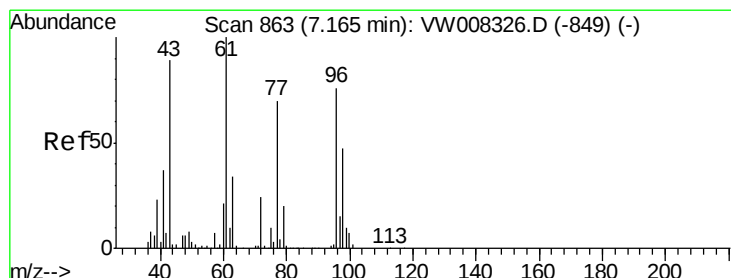
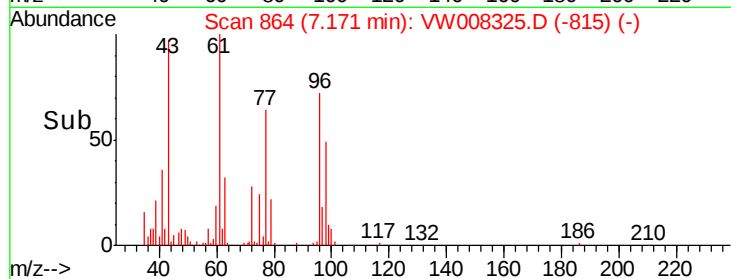
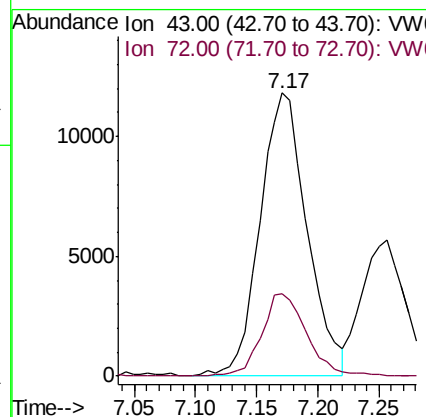
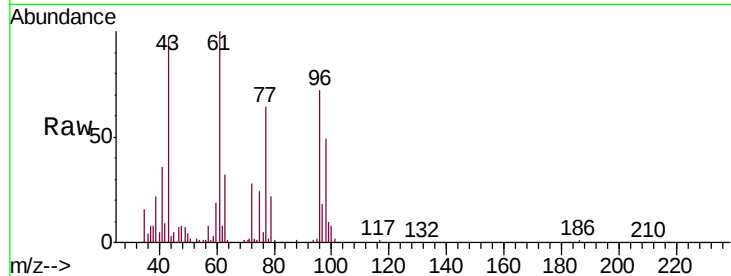
VSTDIC020

Tgt Ion: 43 Resp: 31631

Ion Ratio Lower Upper

43 100

72 29.0 21.2 31.8



#26

2,2-Dichloropropane

Concen: 19.367 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008325.D

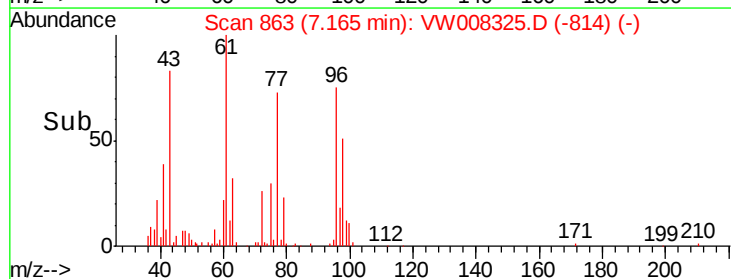
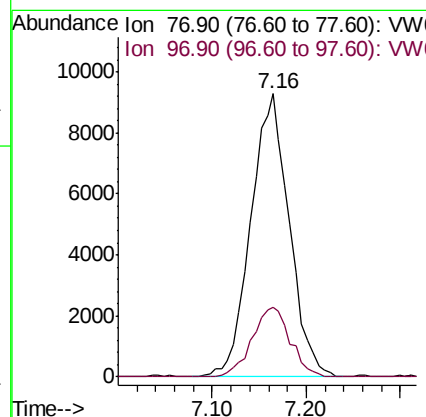
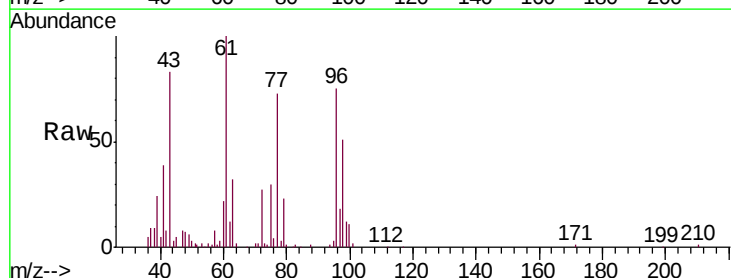
Acq: 17 Jan 2019 13:39

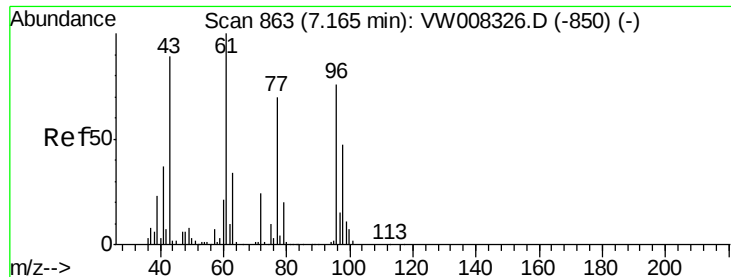
Tgt Ion: 77 Resp: 26492

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.1



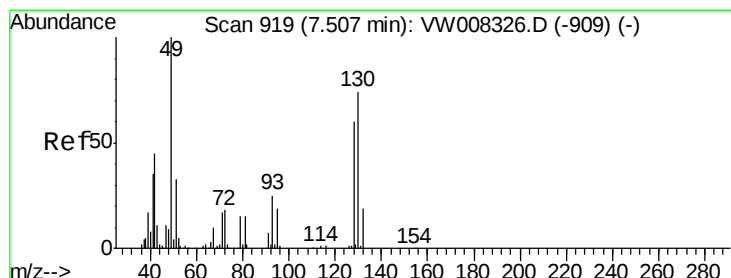
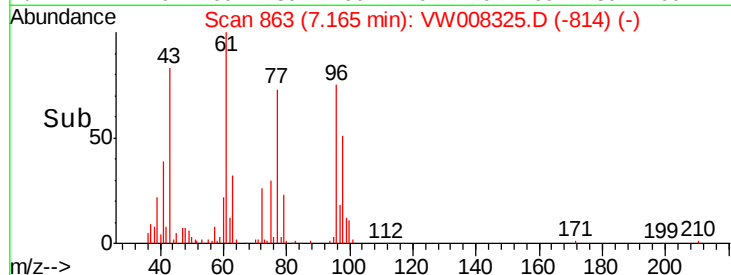
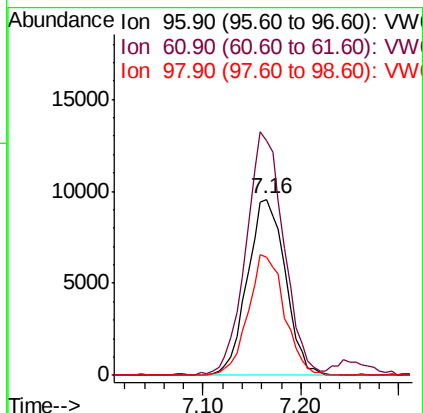
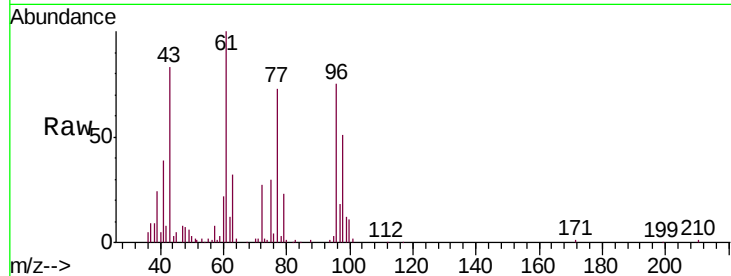


#27

cis-1,2-Dichloroethene
Concen: 19.642 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

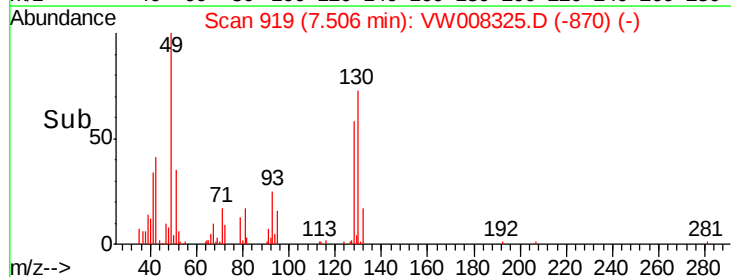
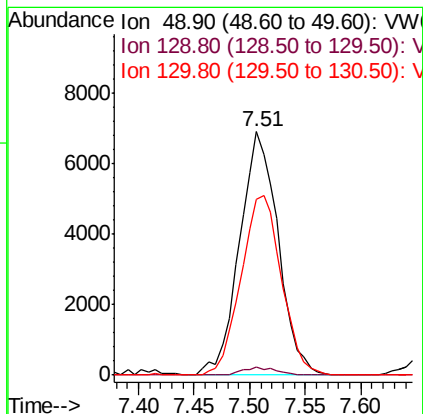
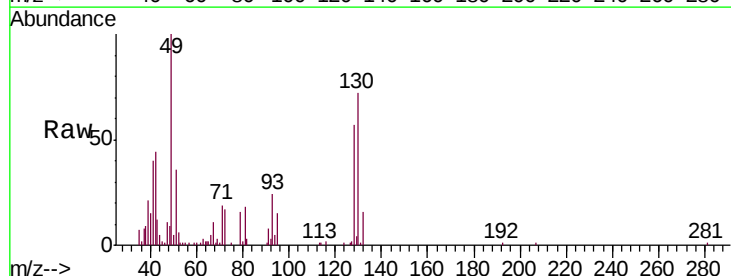
Tgt Ion: 96 Resp: 25781
Ion Ratio Lower Upper
96 100
61 138.0 0.0 272.2
98 65.6 0.0 129.4

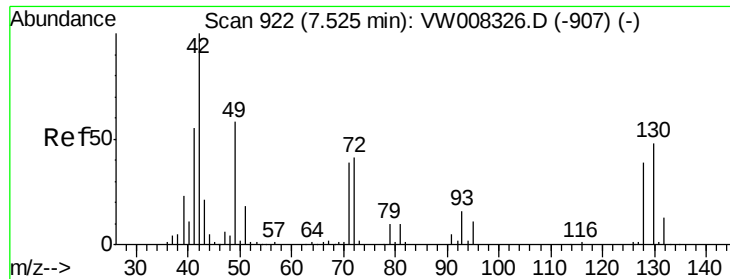


#28

Bromochloromethane
Concen: 18.786 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion: 49 Resp: 16590
Ion Ratio Lower Upper
49 100
129 2.8 0.0 2.6#
130 77.4 0.0 0.0#

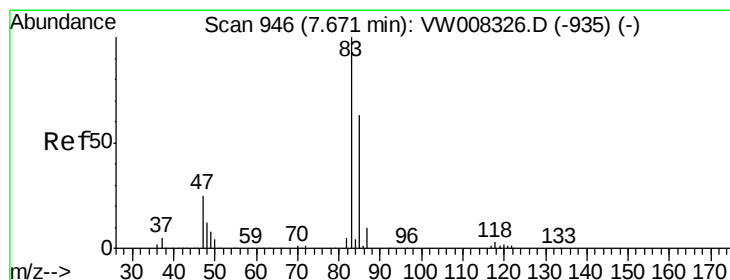
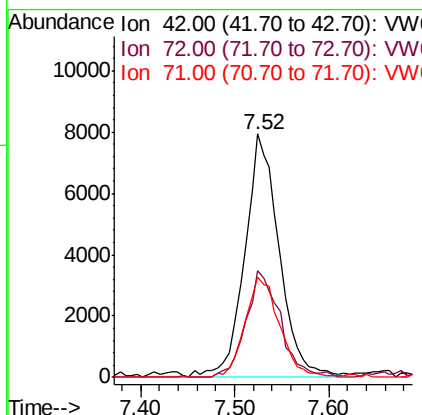
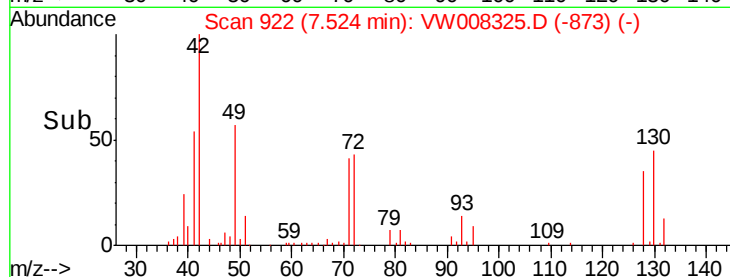
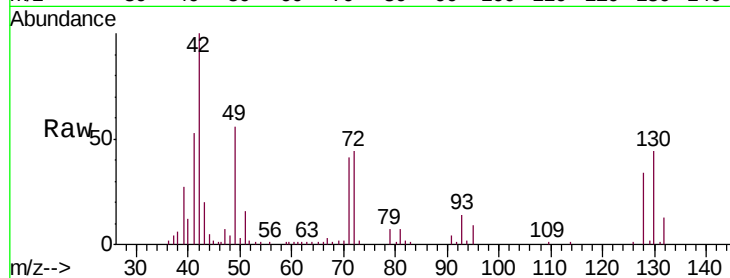




#29
Tetrahydrofuran
Concen: 100.715 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

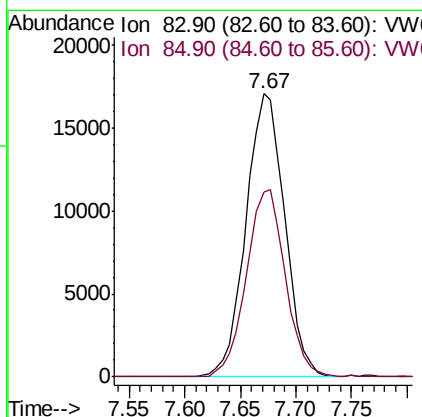
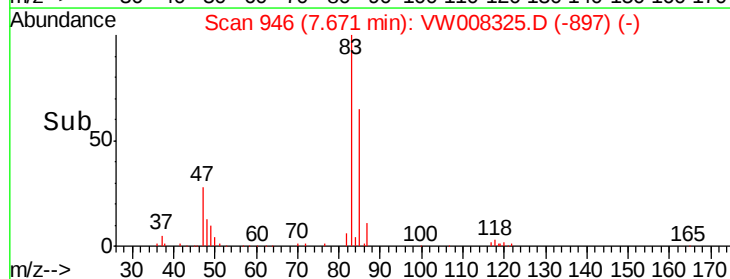
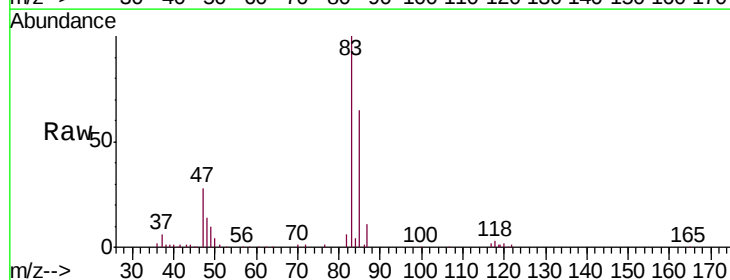
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

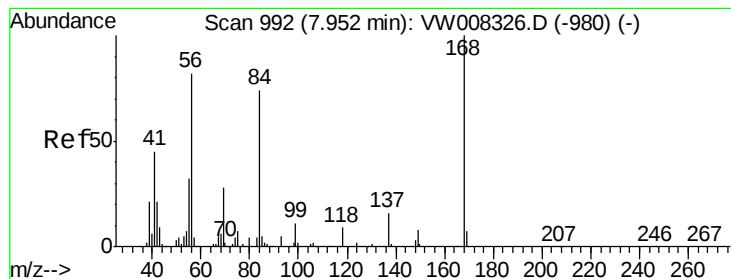
Tgt Ion: 42 Resp: 20422
Ion Ratio Lower Upper
42 100
72 43.4 34.0 51.0
71 41.4 32.0 48.0



#30
Chloroform
Concen: 19.506 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion: 83 Resp: 41369
Ion Ratio Lower Upper
83 100
85 65.3 50.2 75.2





#31

Cyclohexane

Concen: 18.046 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

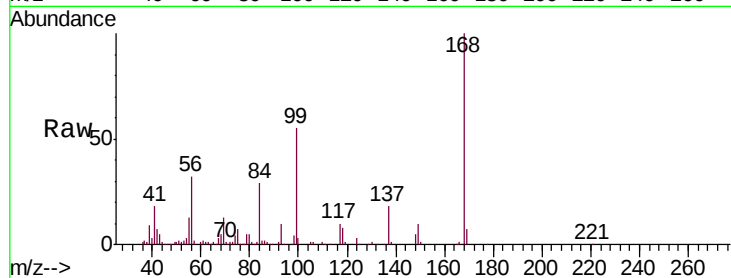
Tgt Ion: 56 Resp: 36856

Ion Ratio Lower Upper

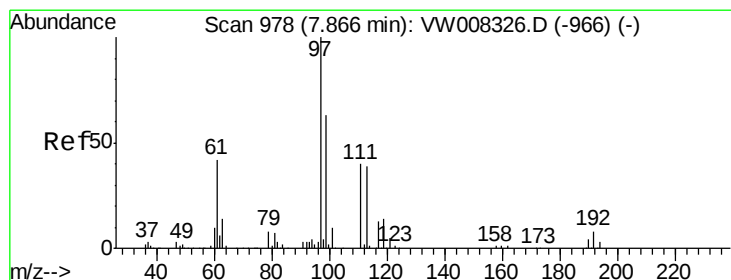
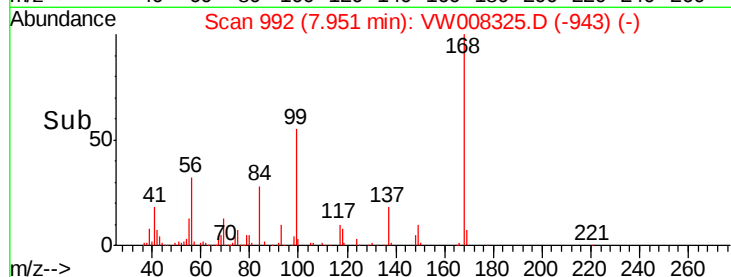
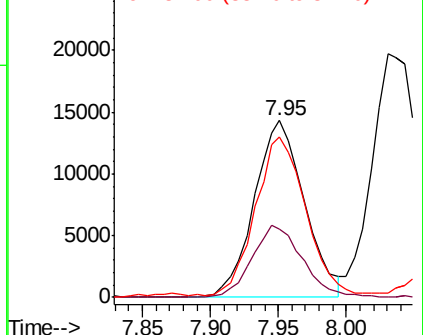
56 100

69 38.9 27.0 40.6

84 89.5 72.5 108.7



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



#32

1,1,1-Trichloroethane

Concen: 19.753 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

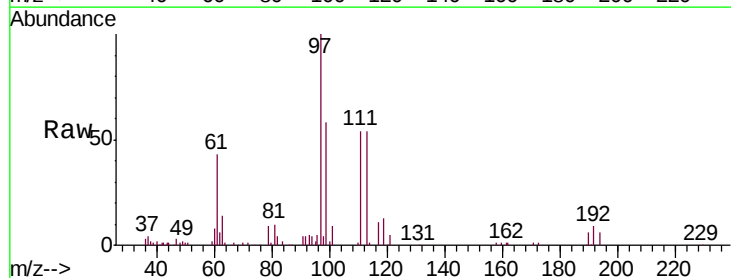
Tgt Ion: 97 Resp: 35158

Ion Ratio Lower Upper

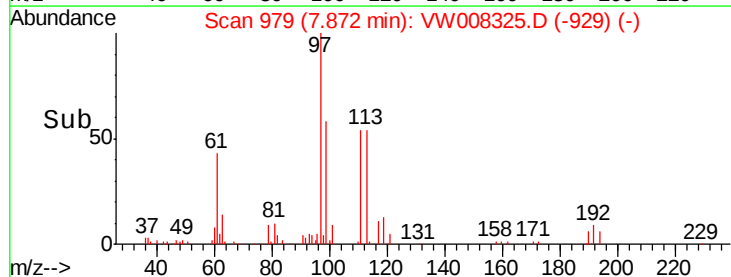
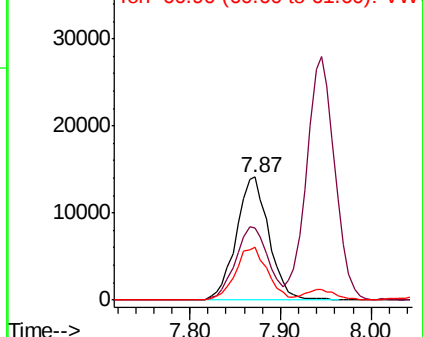
97 100

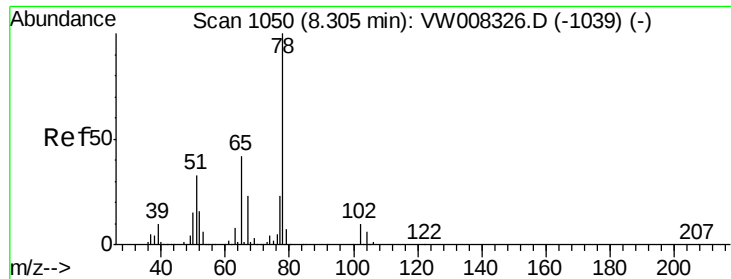
99 60.1 51.1 76.7

61 42.1 34.0 51.0



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

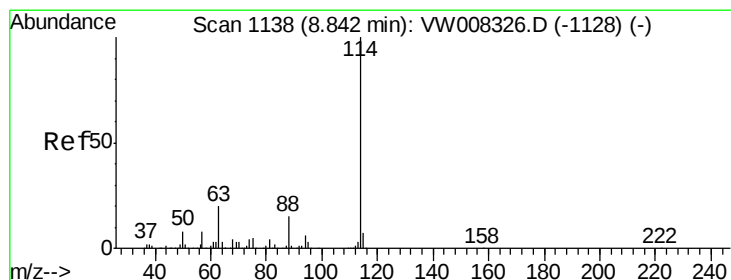
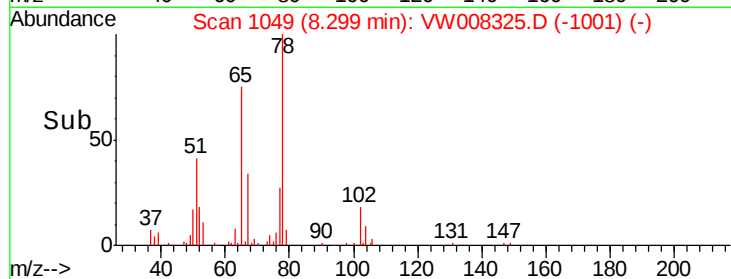
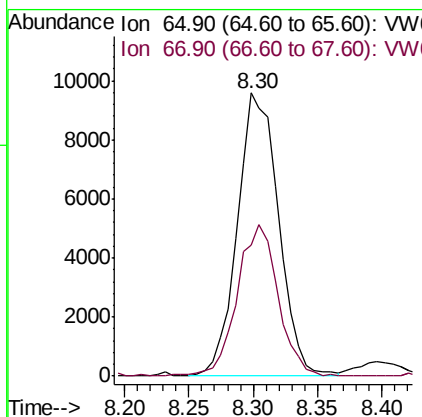
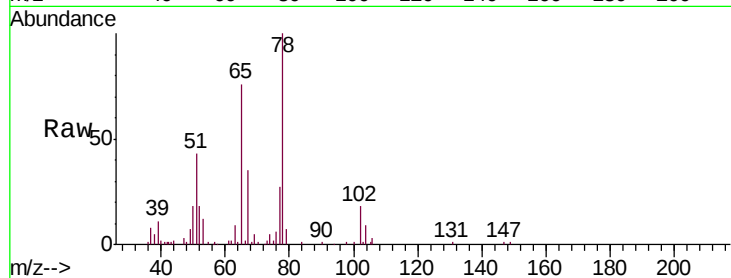




#33
 1,2-Dichloroethane-d4
 Concen: 19.439 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

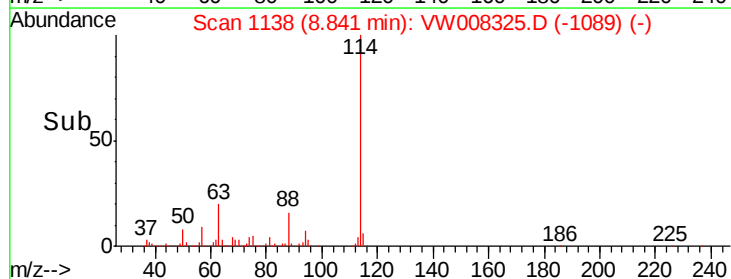
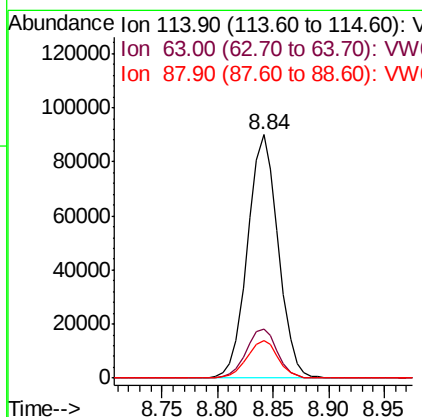
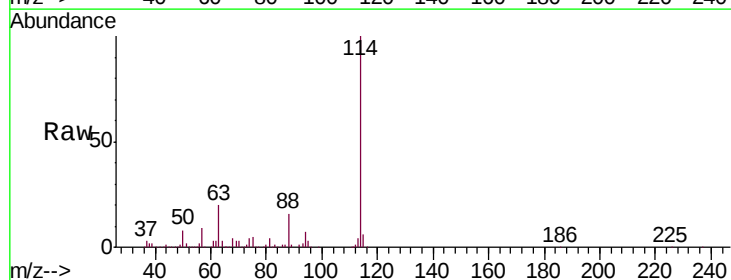
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

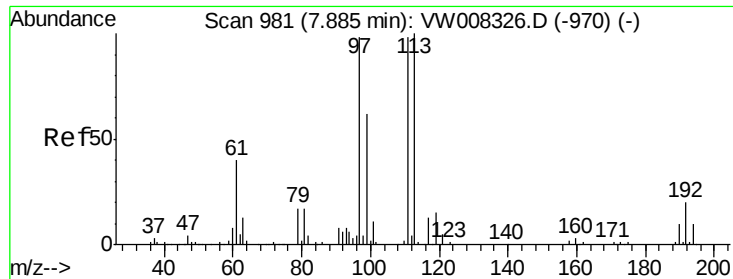
Tgt Ion: 65 Resp: 21256
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion: 114 Resp: 172437
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 15.6 0.0 30.4

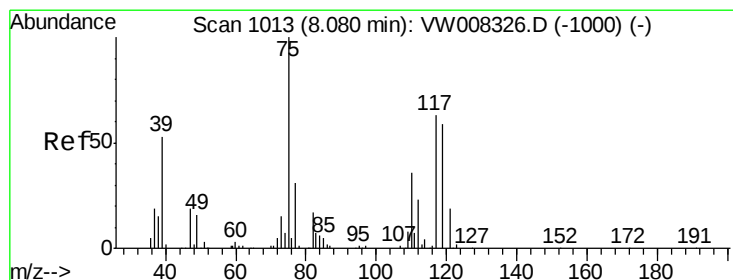
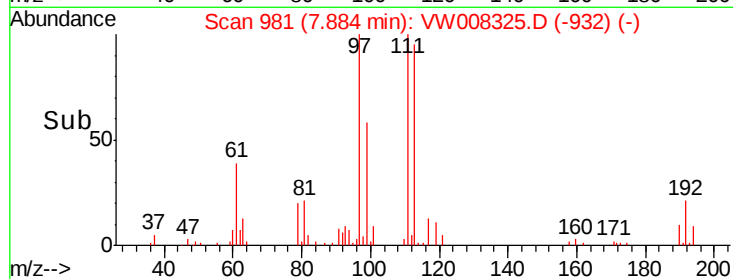
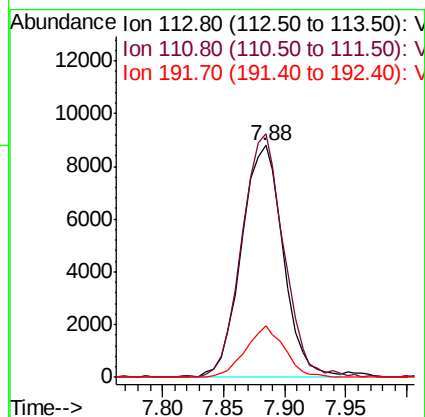
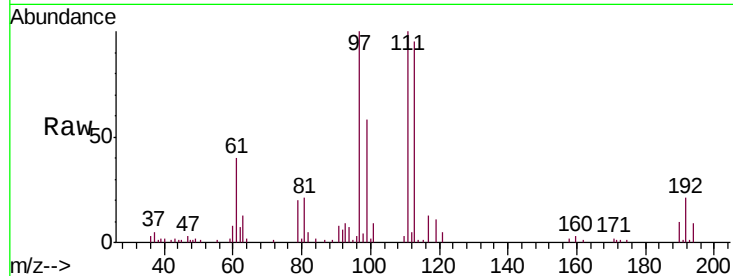




#35
 Dibromofluoromethane
 Concen: 19.034 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

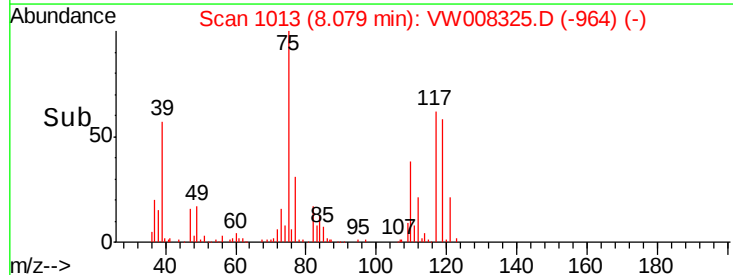
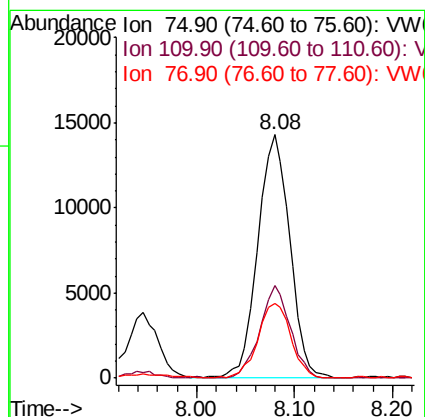
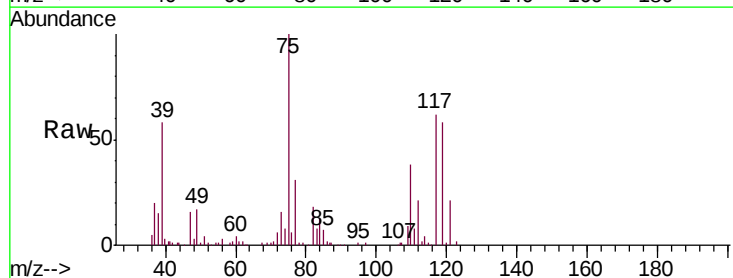
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

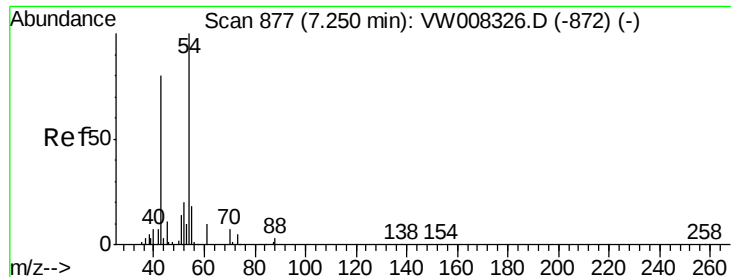
Tgt Ion: 113 Resp: 20951
 Ion Ratio Lower Upper
 113 100
 111 105.3 81.8 122.8
 192 20.6 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 18.783 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion: 75 Resp: 32586
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.5 52.6
 77 31.6 25.0 37.6

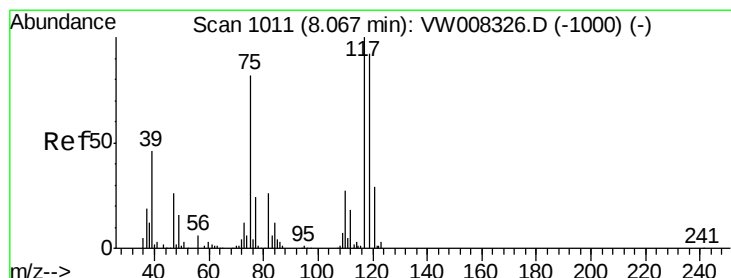
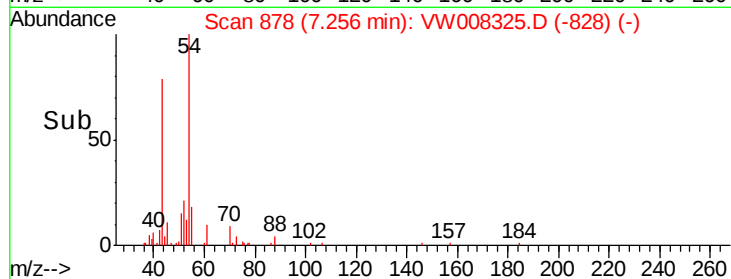
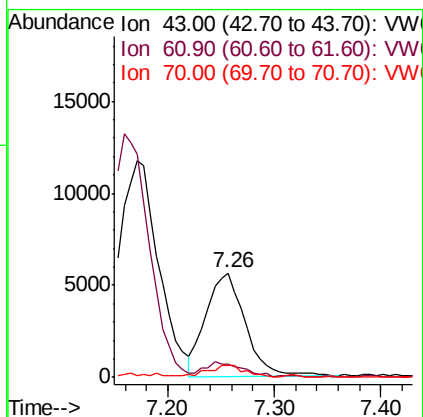
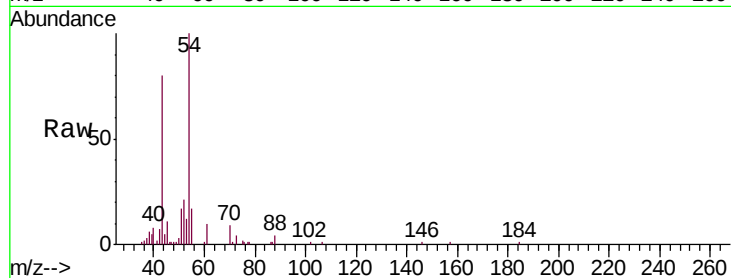




#37
Ethyl Acetate
Concen: 19.907 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

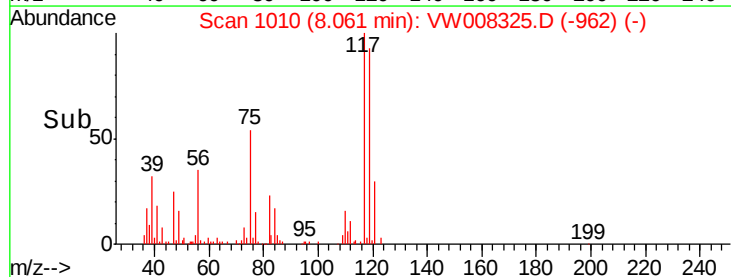
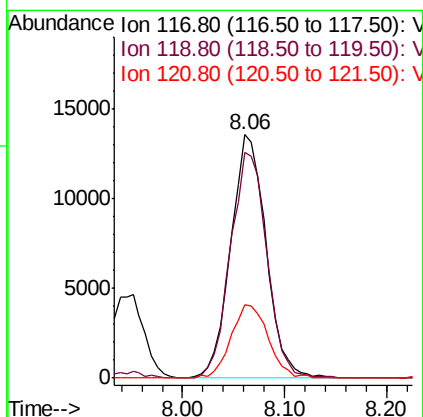
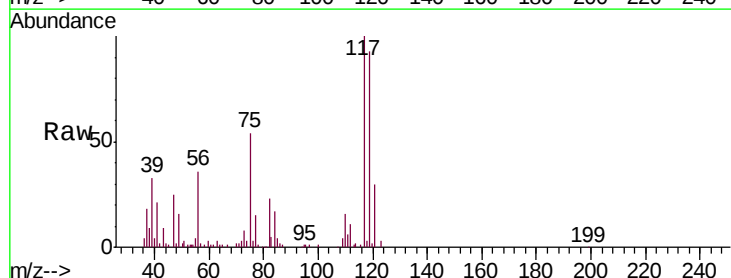
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

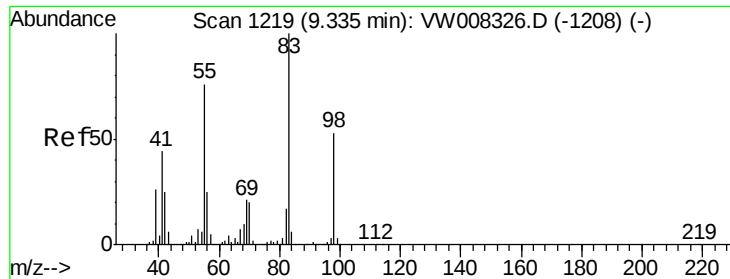
Tgt Ion: 43 Resp: 14242
Ion Ratio Lower Upper
43 100
61 12.7 11.5 17.3
70 11.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 19.032 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion: 117 Resp: 32604
Ion Ratio Lower Upper
117 100
119 93.0 73.8 110.6
121 30.1 23.4 35.0

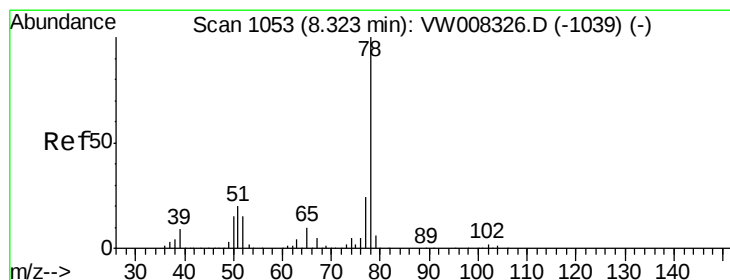
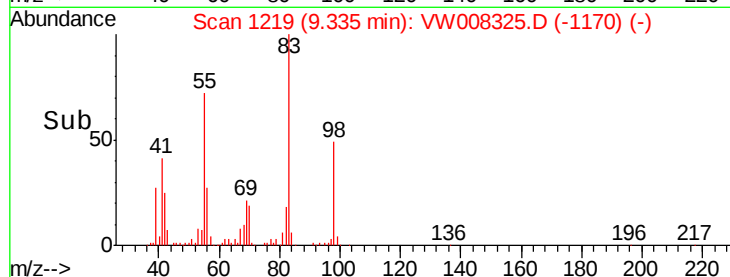
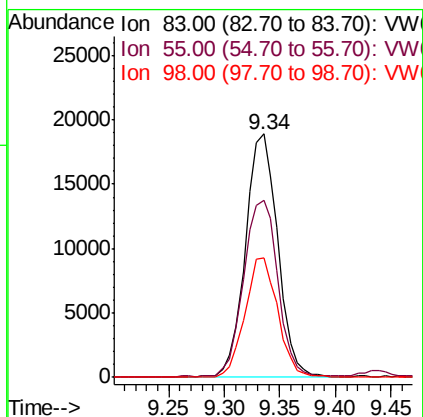
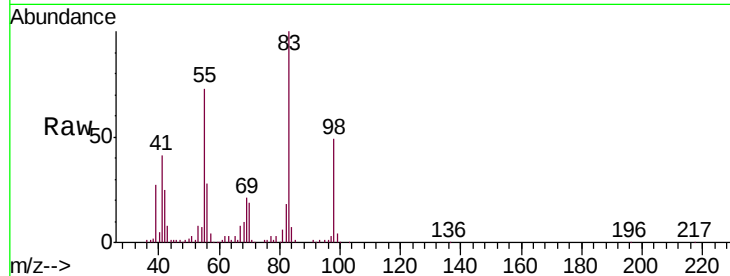




#39
Methylcyclohexane
Concen: 18.553 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

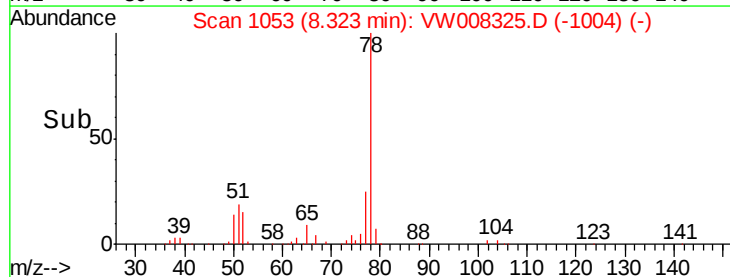
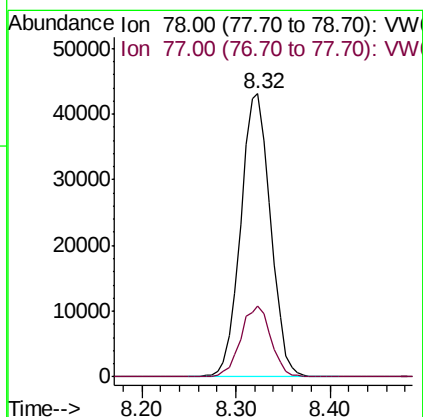
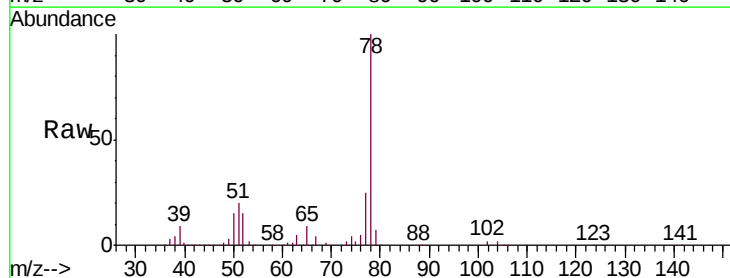
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

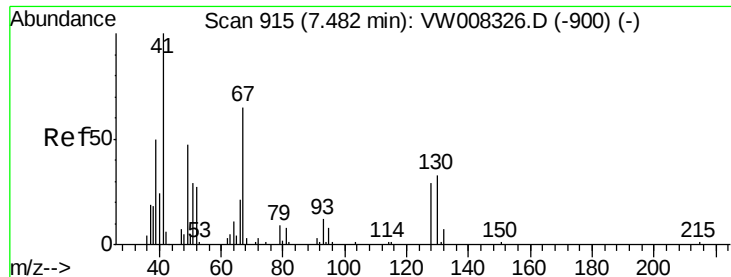
Tgt Ion: 83 Resp: 38286
Ion Ratio Lower Upper
83 100
55 72.1 61.1 91.7
98 49.2 42.5 63.7



#40
Benzene
Concen: 19.413 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion: 78 Resp: 95404
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0

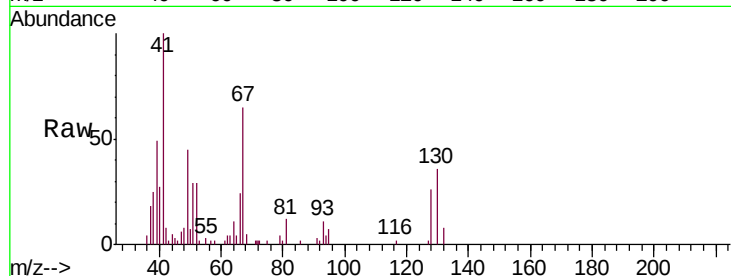




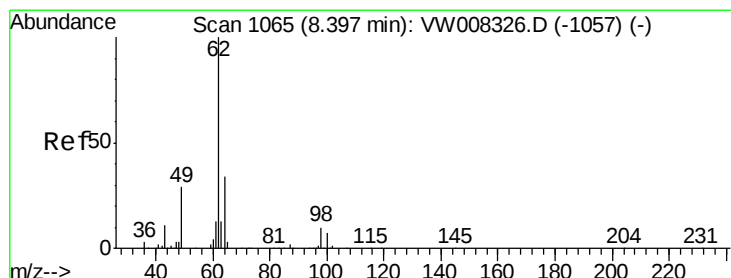
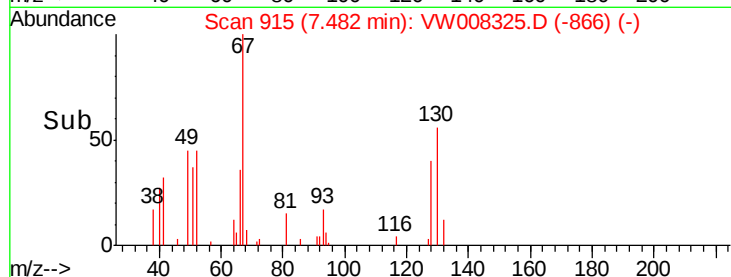
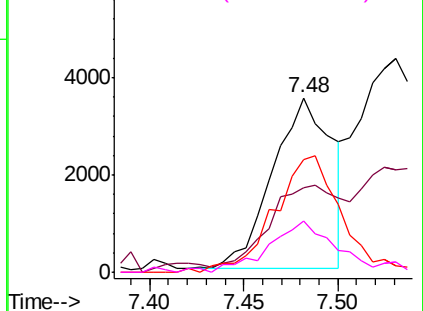
#41
Methacrylonitrile
Concen: 18.520 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	7713
Ion	Ratio	Lower	Upper
41	100		
39	58.7	44.9	67.3
67	75.5	56.9	85.3
52	36.3	24.4	36.6

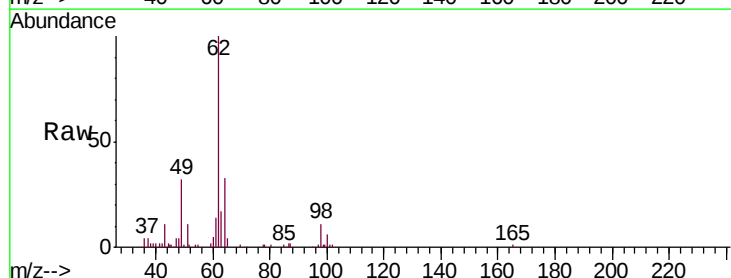


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

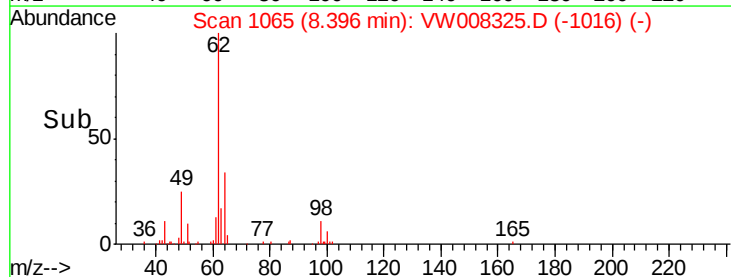
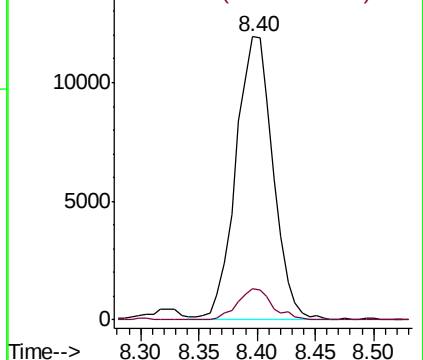


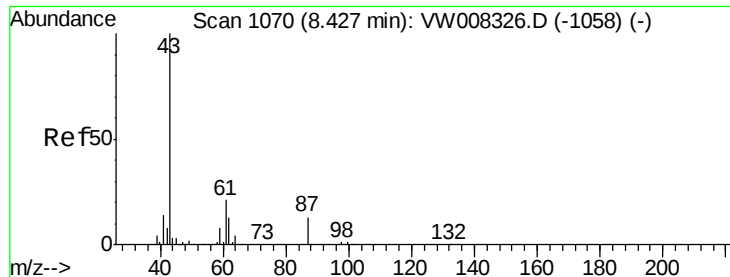
#42
1,2-Dichloroethane
Concen: 19.393 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion:	62	Resp:	26649
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.0



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





#43

Isopropyl Acetate

Concen: 18.882 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

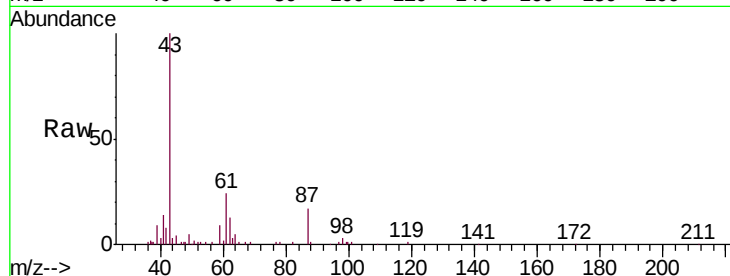
Tgt Ion: 43 Resp: 25516

Ion Ratio Lower Upper

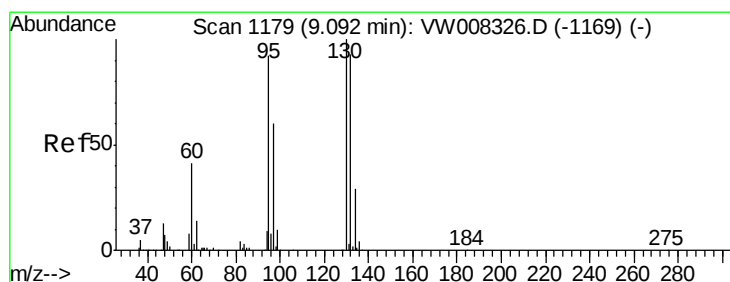
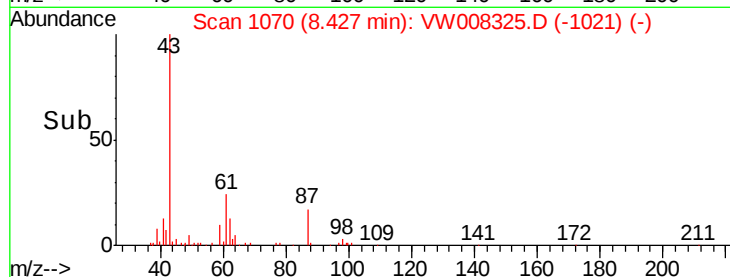
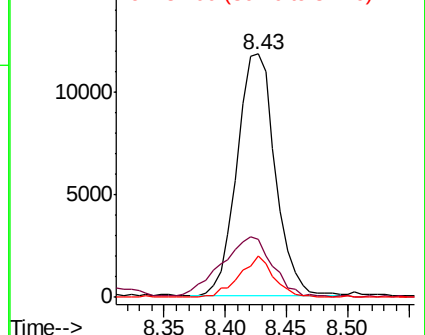
43 100

61 33.9 24.8 37.2

87 15.5 10.7 16.1



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: 19.069 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008325.D

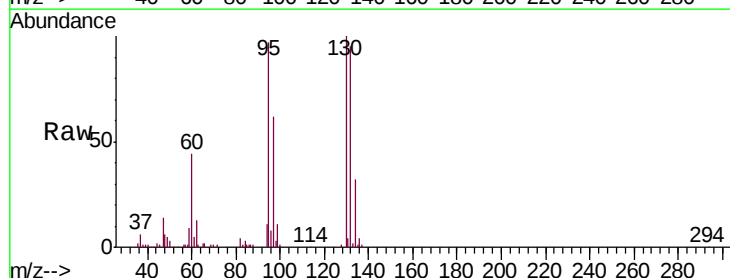
Acq: 17 Jan 2019 13:39

Tgt Ion: 130 Resp: 25674

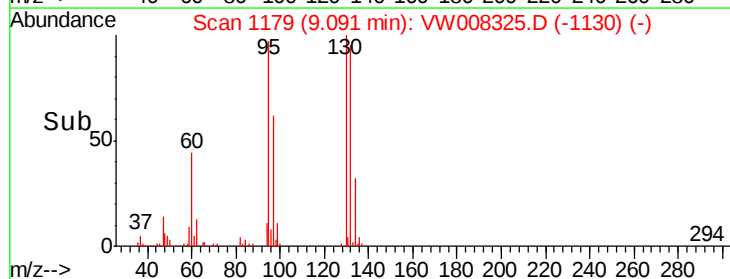
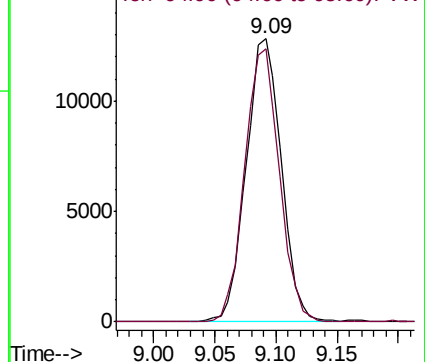
Ion Ratio Lower Upper

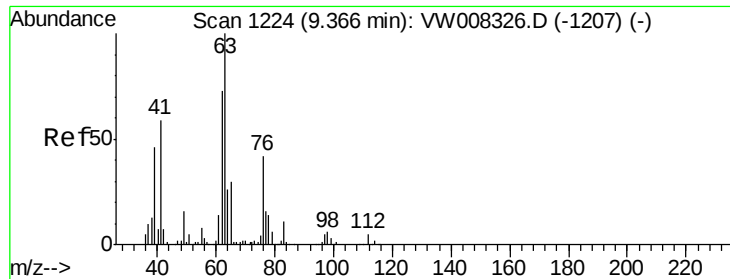
130 100

95 96.6 0.0 184.8



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

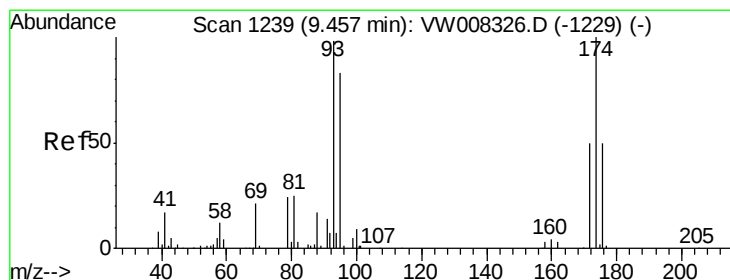
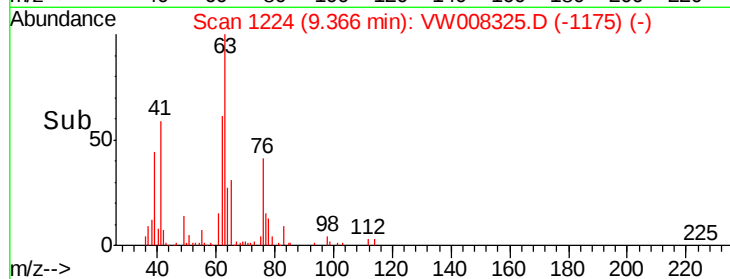
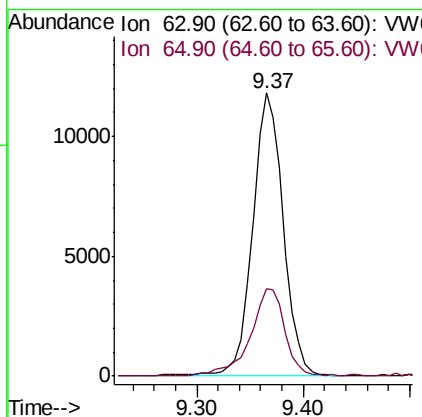
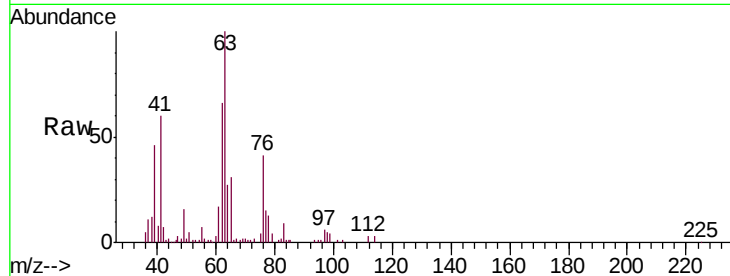




#45
 1,2-Dichloropropane
 Concen: 19.463 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

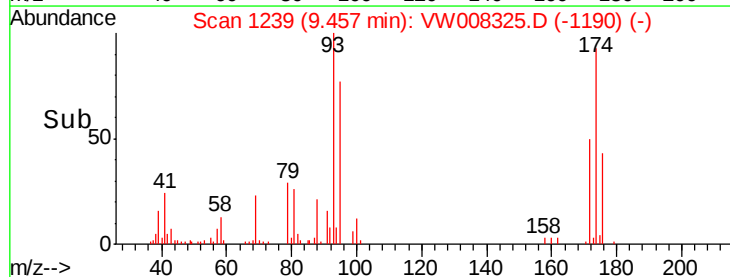
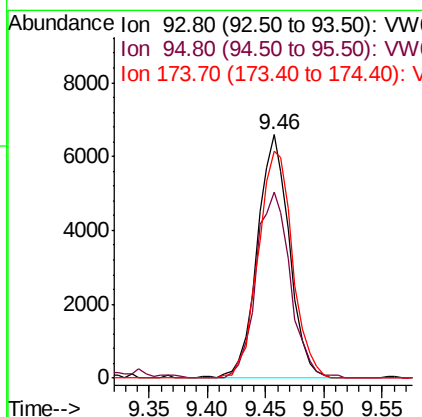
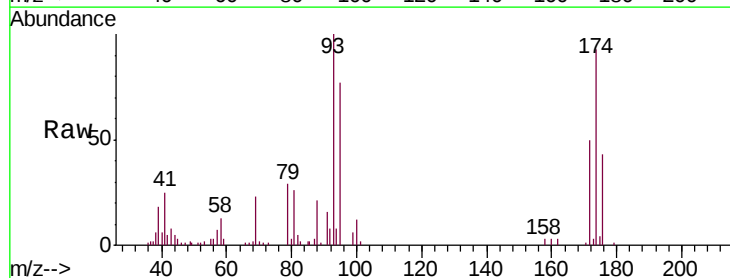
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

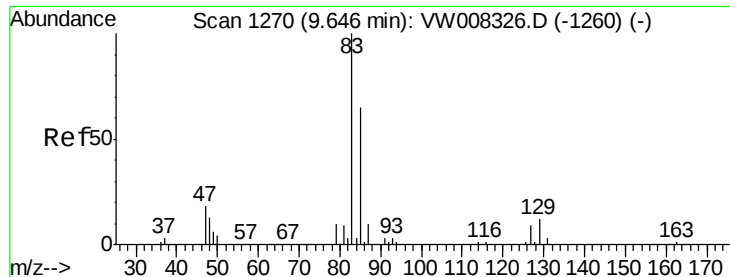
Tgt Ion: 63 Resp: 23759
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.9 35.9



#46
 Dibromomethane
 Concen: 19.817 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion: 93 Resp: 12608
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.8 101.8
 174 99.8 84.4 126.6





#47

Bromodichloromethane

Concen: 19.798 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

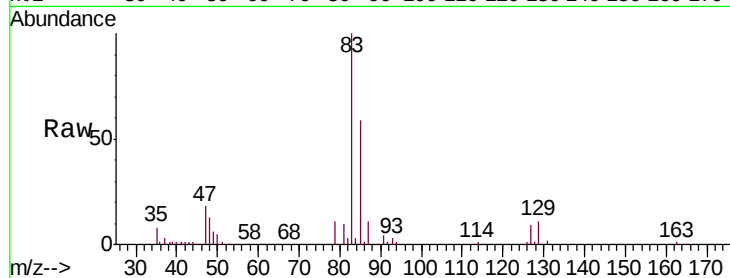
Tgt Ion: 83 Resp: 31070

Ion Ratio Lower Upper

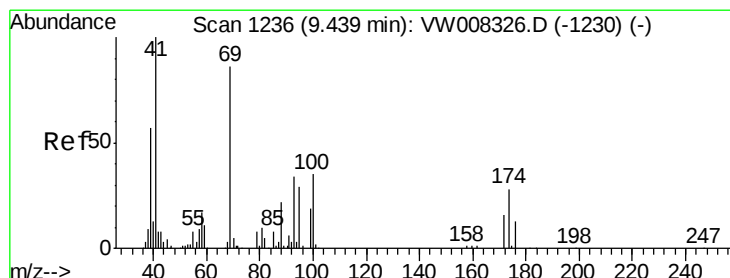
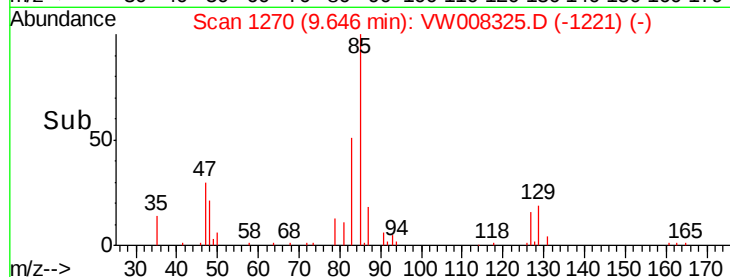
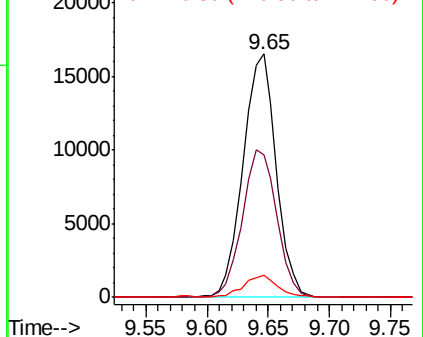
83 100

85 58.6 51.6 77.4

127 9.4 6.8 10.2



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



#48

Methyl methacrylate

Concen: 18.619 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

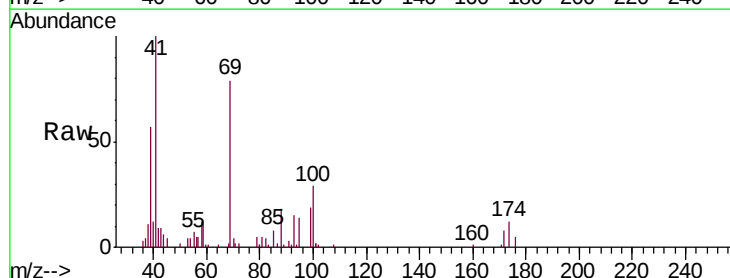
Tgt Ion: 41 Resp: 11845

Ion Ratio Lower Upper

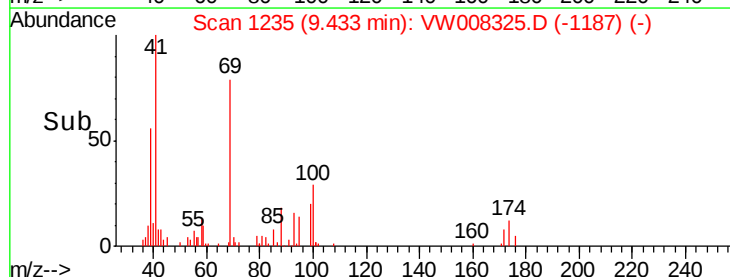
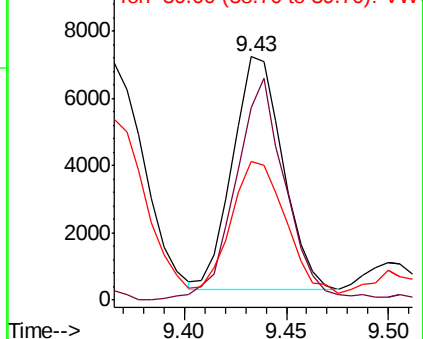
41 100

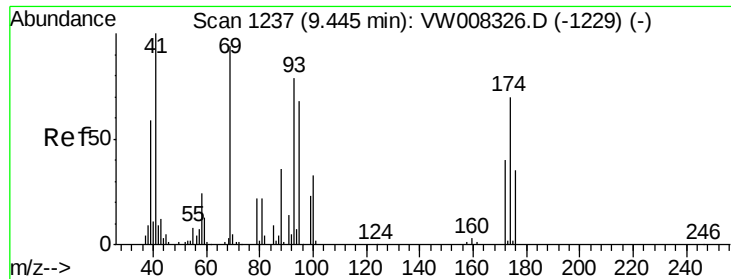
69 94.8 68.2 102.4

39 62.5 46.0 69.0



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

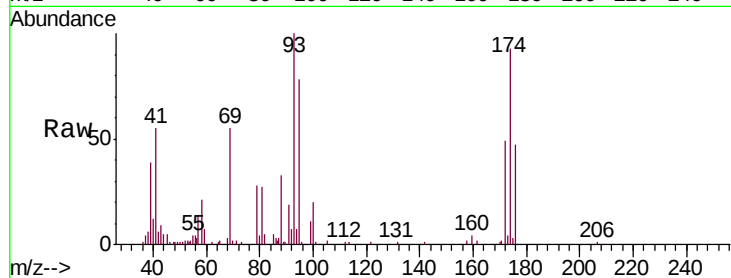




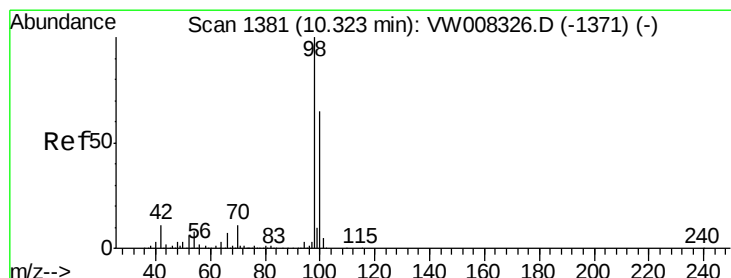
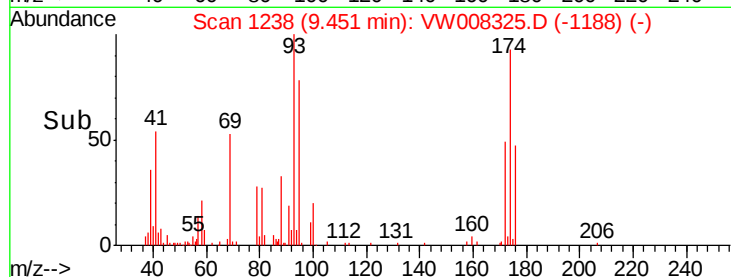
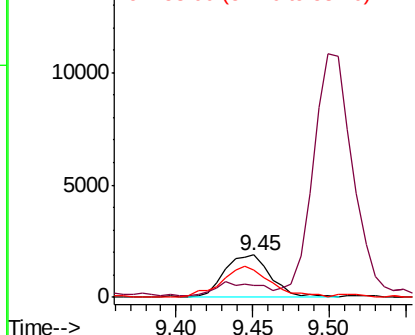
#49
1,4-Dioxane
Concen: 389.575 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 3990
Ion Ratio Lower Upper
88 100
43 30.0 27.1 40.7
58 76.4 57.9 86.9

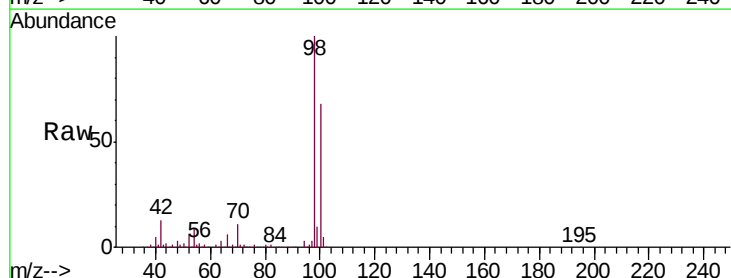


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

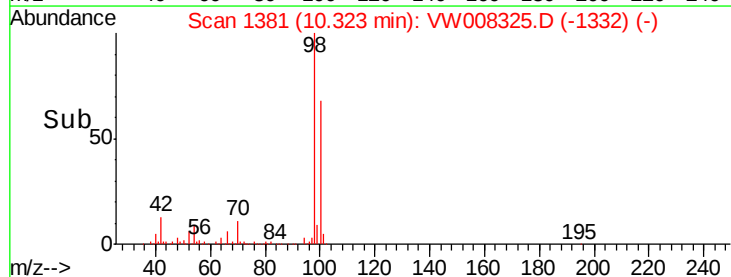
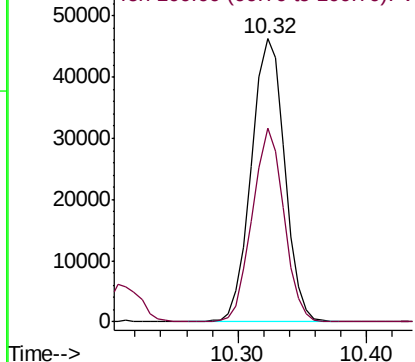


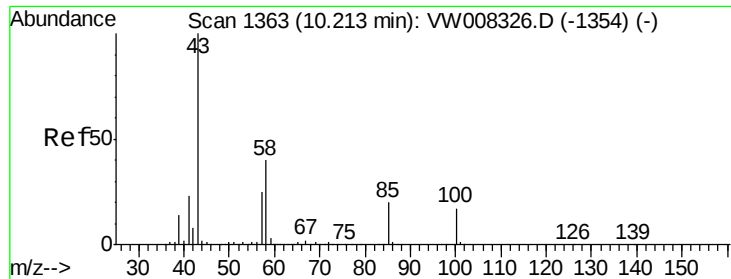
#50
Toluene-d8
Concen: 19.059 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion: 98 Resp: 82415
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8



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: 95.736 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

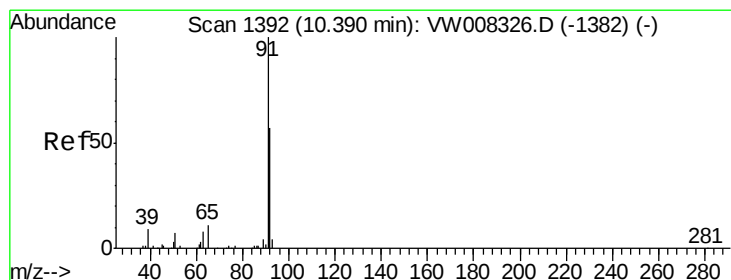
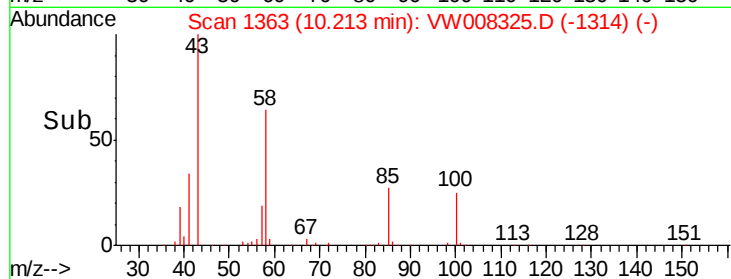
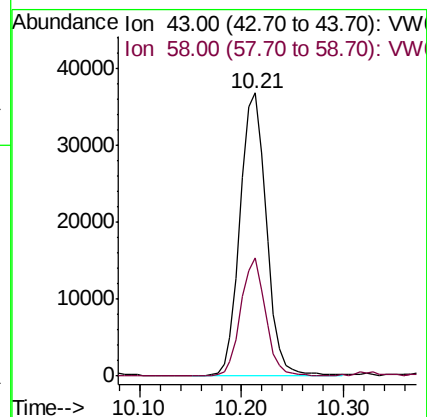
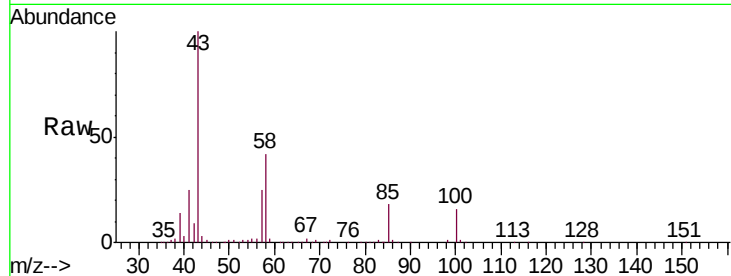
VSTDIC020

Tgt Ion: 43 Resp: 65510

Ion Ratio Lower Upper

43 100

58 39.3 31.4 47.0



#52

Toluene

Concen: 19.419 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008325.D

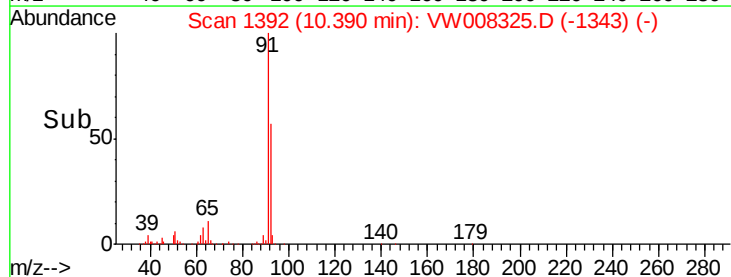
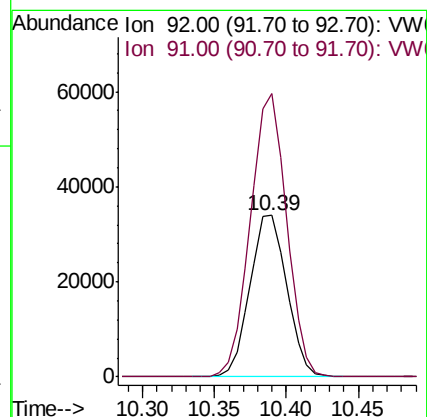
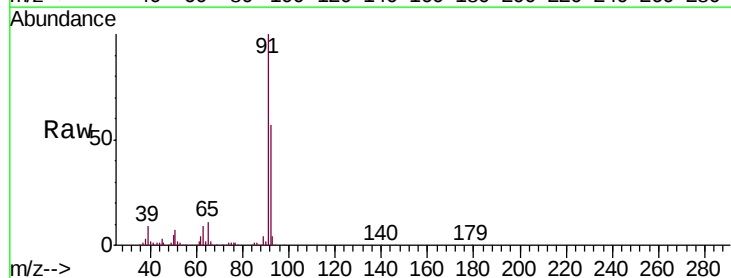
Acq: 17 Jan 2019 13:39

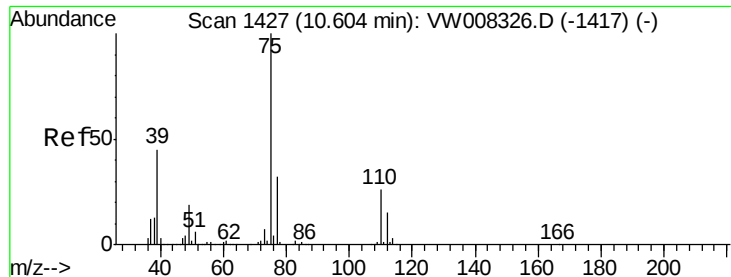
Tgt Ion: 92 Resp: 60394

Ion Ratio Lower Upper

92 100

91 171.8 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 19.207 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

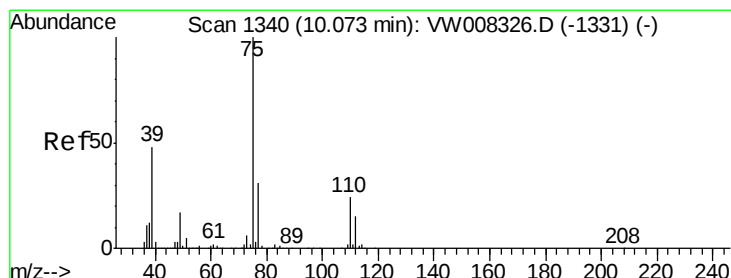
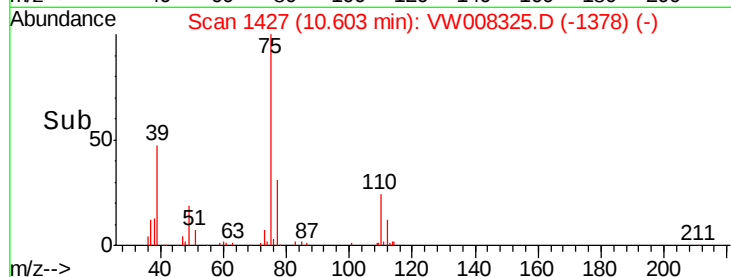
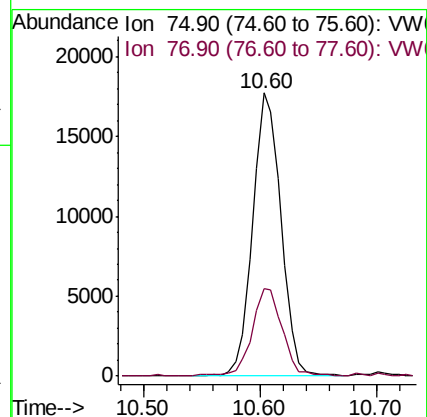
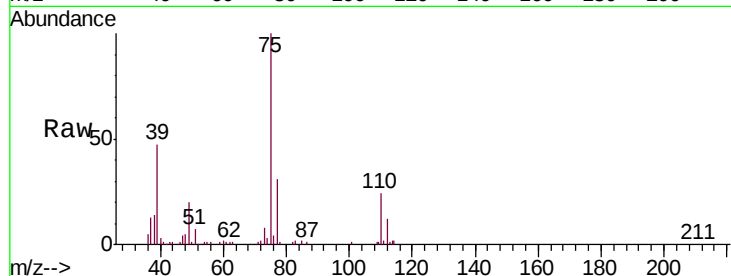
VSTDIC020

Tgt Ion: 75 Resp: 30084

Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 19.138 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

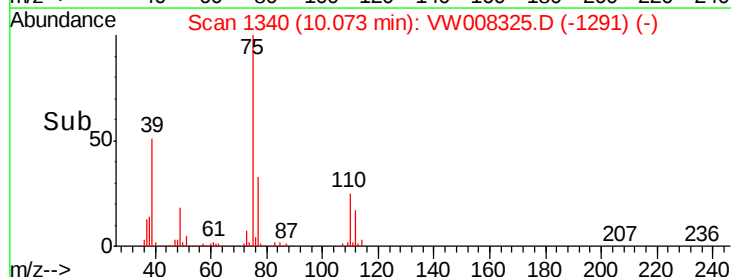
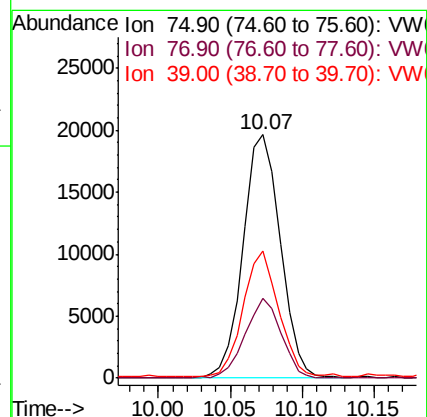
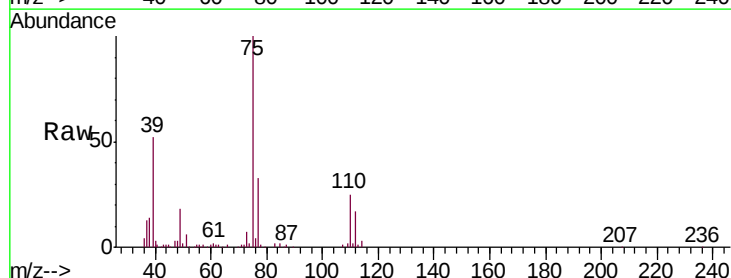
Tgt Ion: 75 Resp: 35337

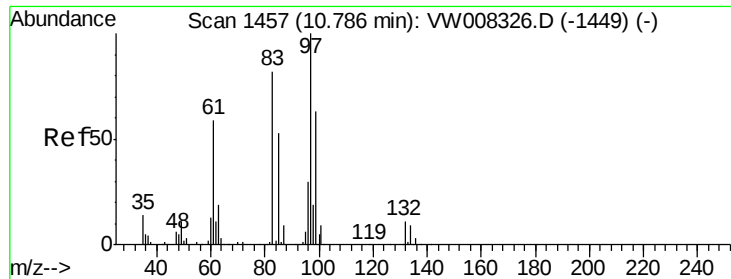
Ion Ratio Lower Upper

75 100

77 32.7 24.4 36.6

39 51.9 38.6 57.8

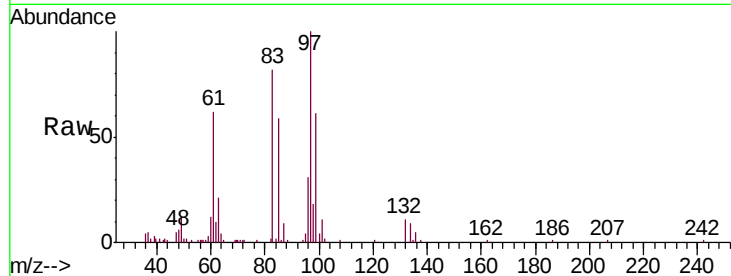




#55
 1,1,2-Trichloroethane
 Concen: 20.055 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	17697
Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.3	97.9
85	59.1	42.6	64.0
99	60.5	50.2	75.2



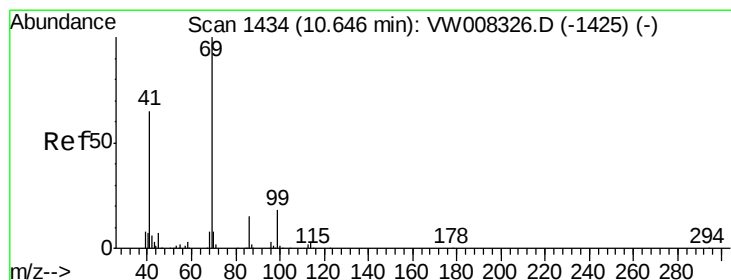
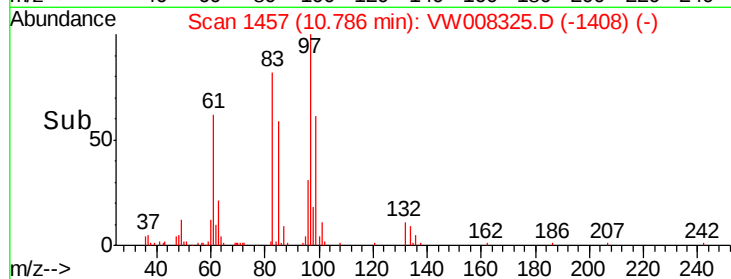
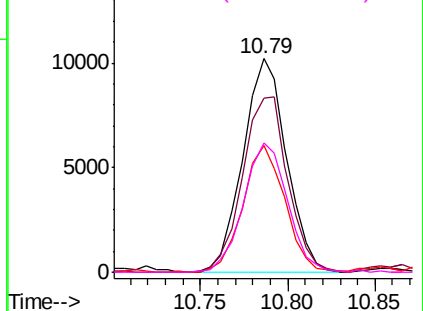
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

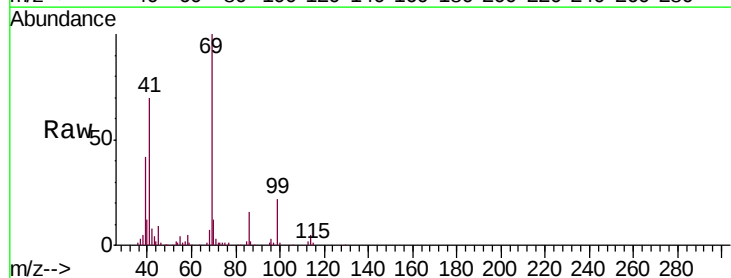
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 19.191 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion:	69	Resp:	19889
Ion	Ratio	Lower	Upper
69	100		
41	71.3	52.9	79.3
39	35.6	28.4	42.6

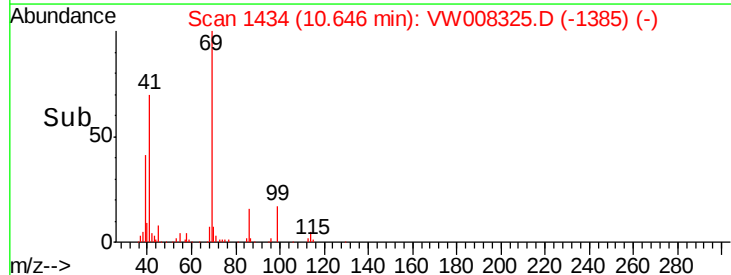
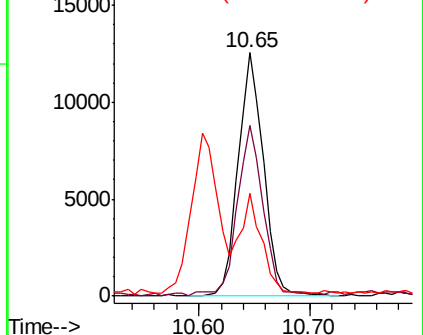


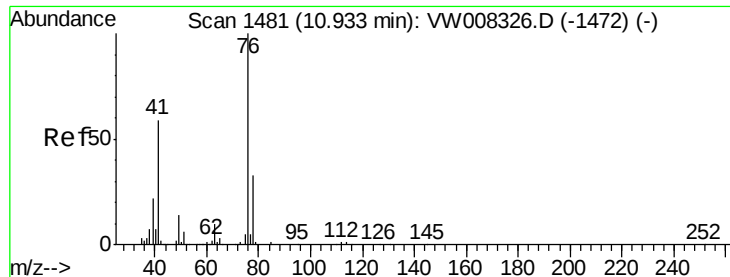
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

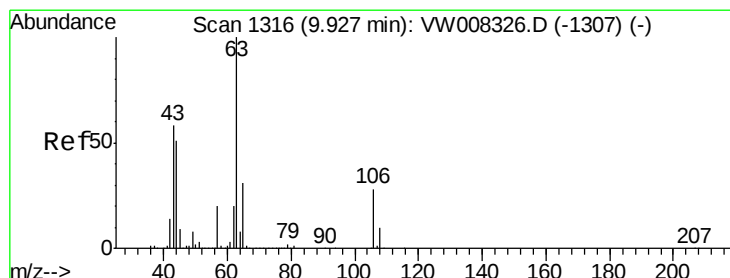
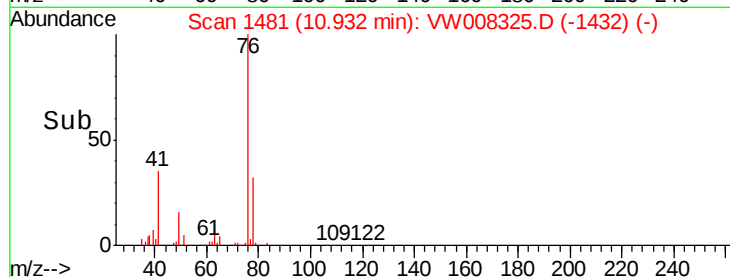
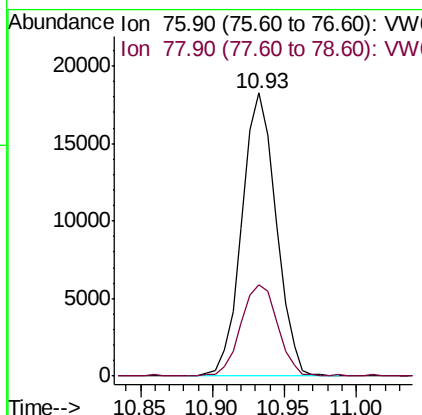
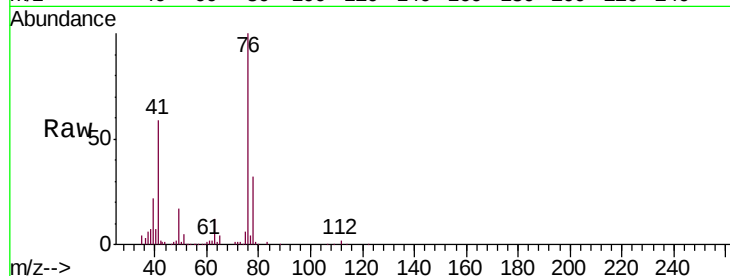




#57
 1,3-Dichloropropane
 Concen: 19.715 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

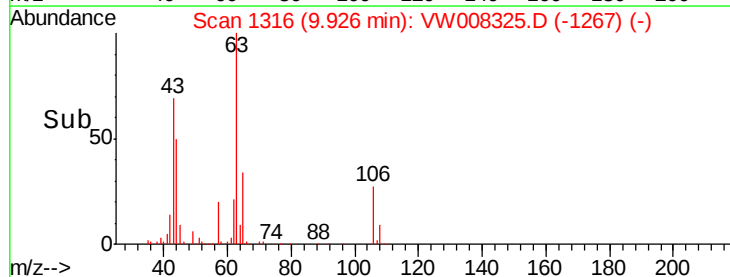
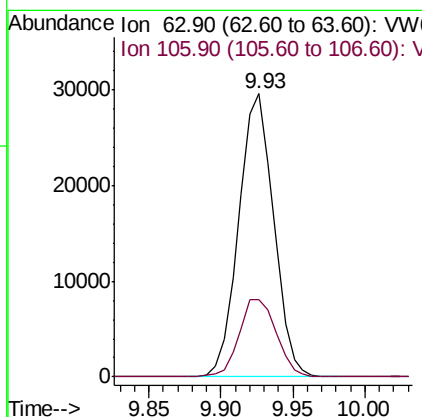
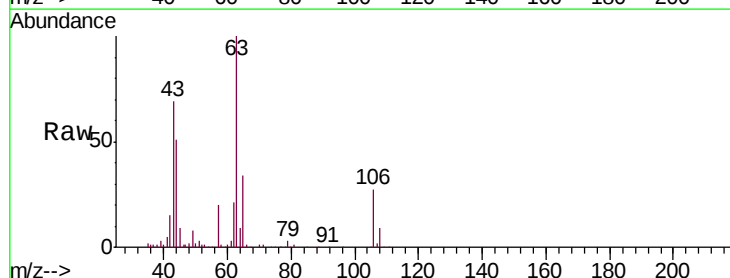
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

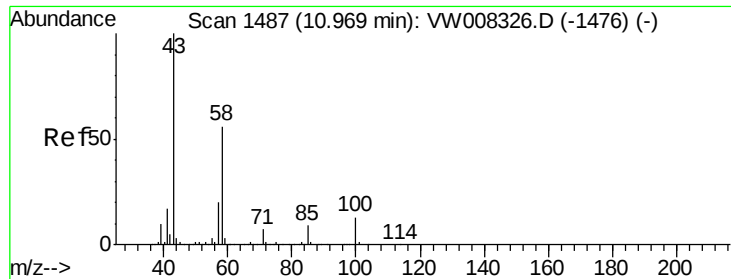
Tgt Ion: 76 Resp: 30207
 Ion Ratio Lower Upper
 76 100
 78 34.4 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.592 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion: 63 Resp: 49785
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.9 34.3





#59

2-Hexanone

Concen: 98.144 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

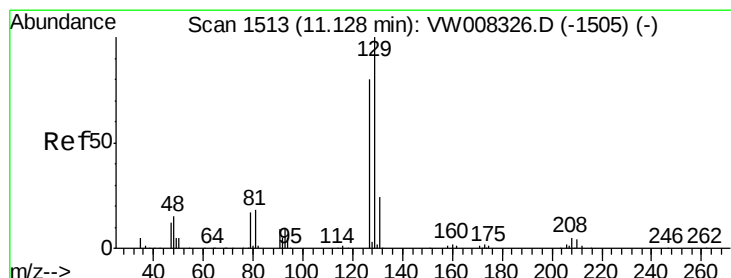
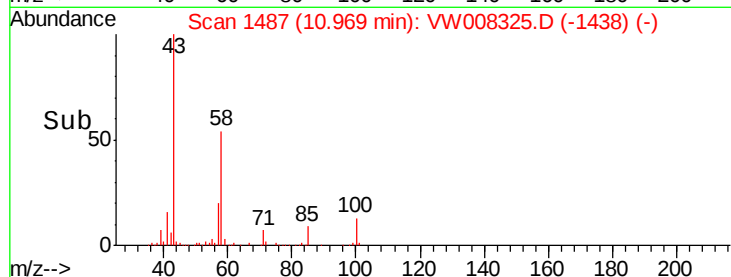
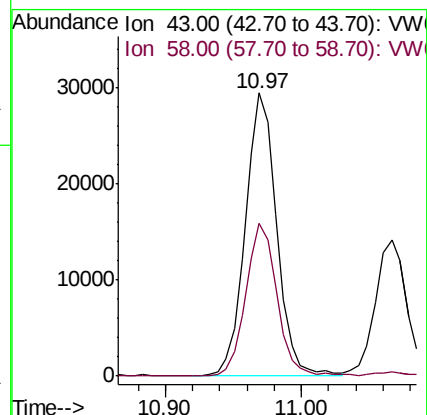
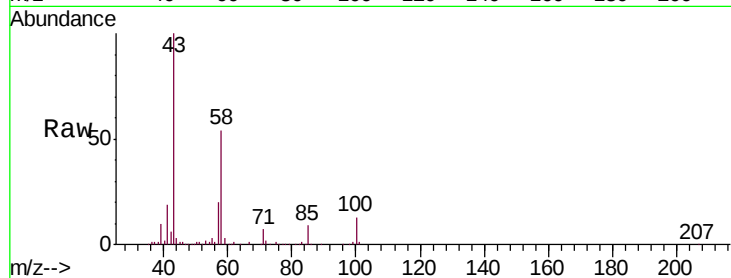
VSTDIC020

Tgt Ion: 43 Resp: 47055

Ion Ratio Lower Upper

43 100

58 54.4 27.5 82.5



#60

Dibromochloromethane

Concen: 19.119 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008325.D

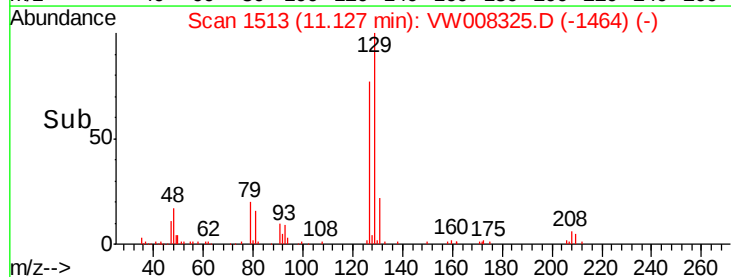
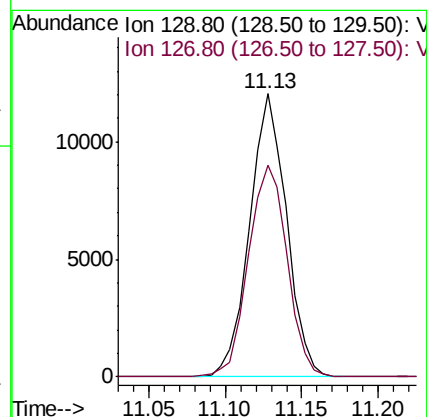
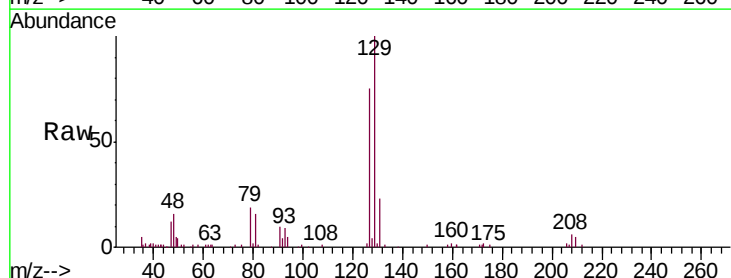
Acq: 17 Jan 2019 13:39

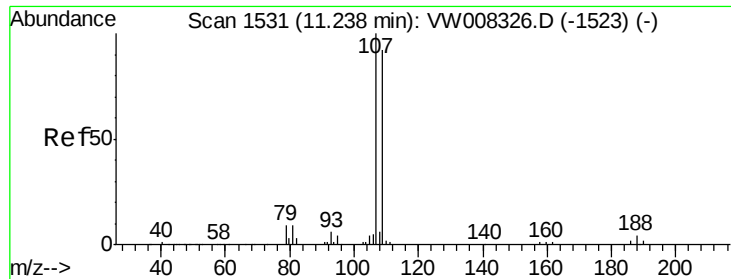
Tgt Ion: 129 Resp: 20136

Ion Ratio Lower Upper

129 100

127 78.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.683 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

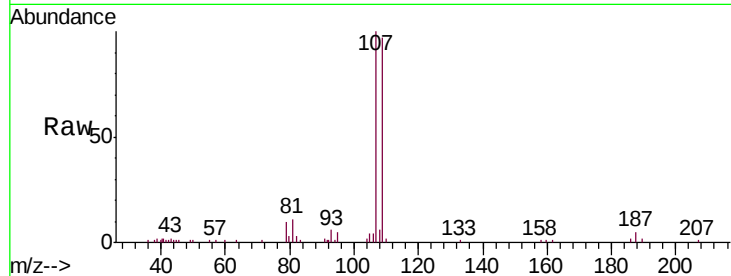
VSTDIC020

Tgt Ion: 107 Resp: 16819

Ion Ratio Lower Upper

107 100

109 92.7 74.0 111.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

10000

8000

6000

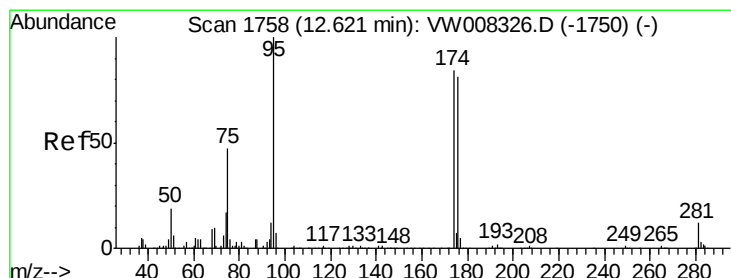
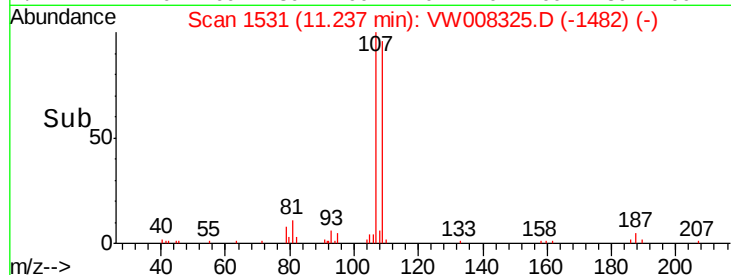
4000

2000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 19.074 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

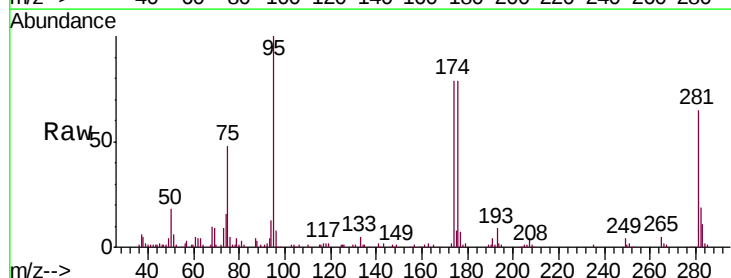
Tgt Ion: 95 Resp: 29581

Ion Ratio Lower Upper

95 100

174 80.5 0.0 166.0

176 80.3 0.0 160.0



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

25000

20000

15000

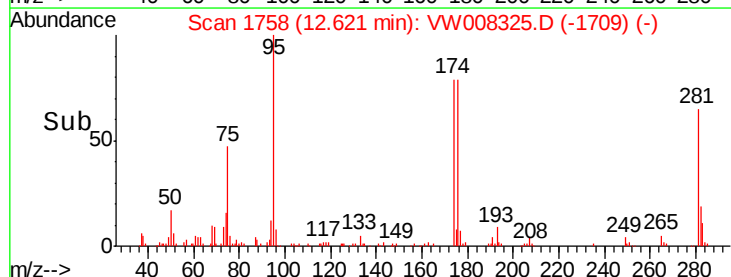
10000

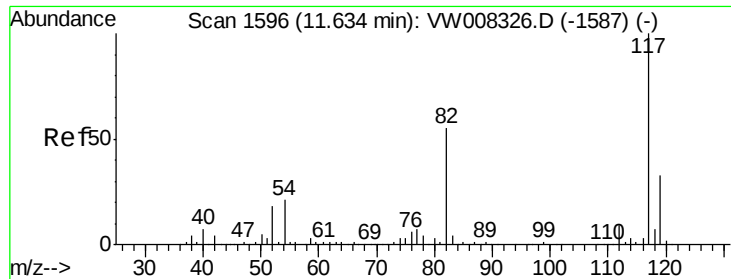
5000

0

Time-->

12.55 12.60 12.65

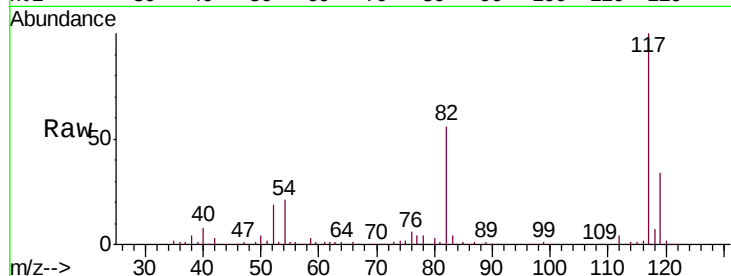




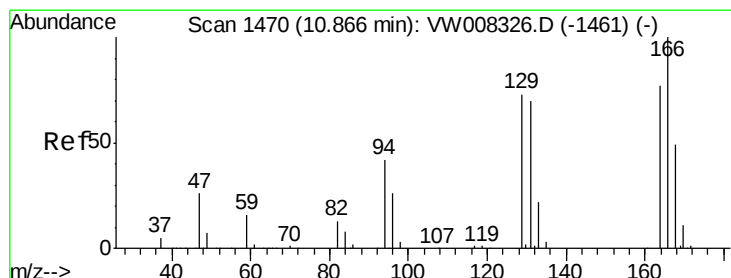
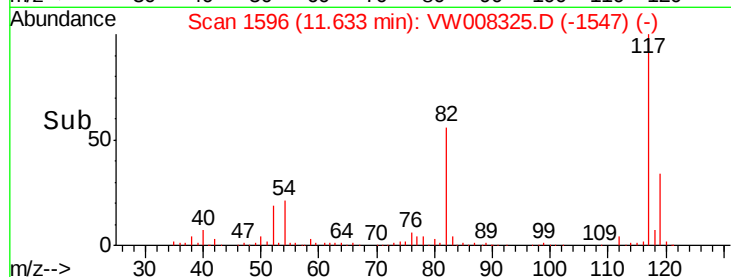
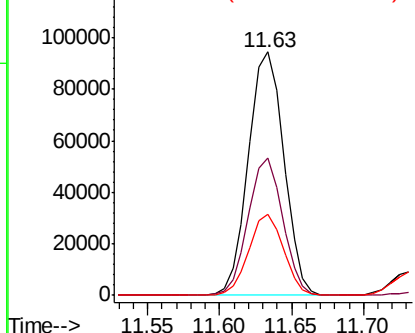
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 161149
Ion Ratio Lower Upper
117 100
82 56.4 44.3 66.5
119 33.5 26.3 39.5

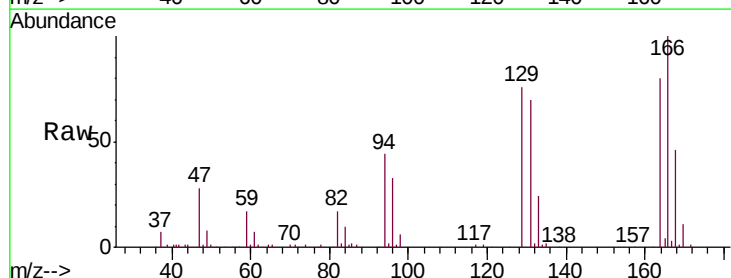


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

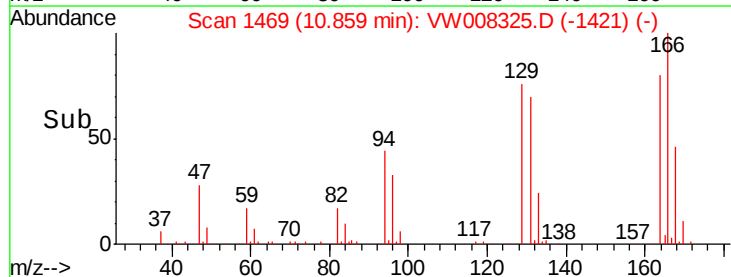
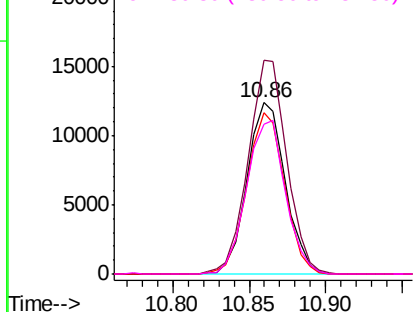


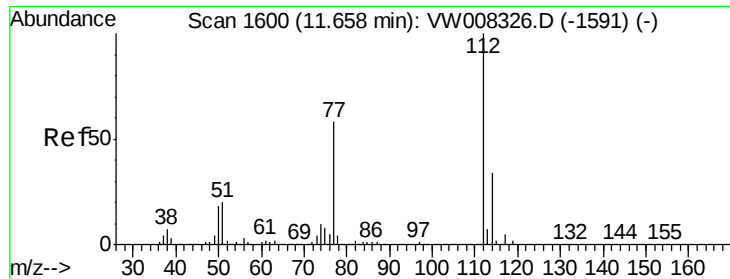
#64
Tetrachloroethene
Concen: 18.973 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion:164 Resp: 21438
Ion Ratio Lower Upper
164 100
166 124.9 103.4 155.2
129 94.4 75.0 112.6
131 87.6 72.9 109.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.286 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

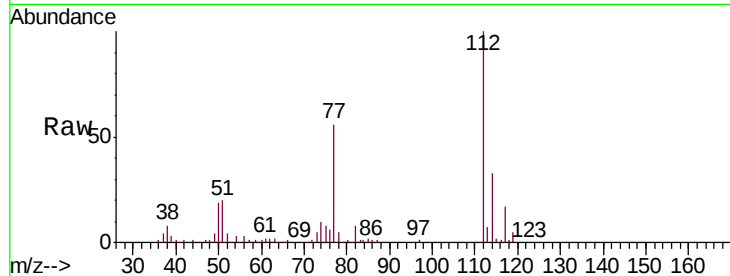
VSTDIC020

Tgt Ion:112 Resp: 67791

Ion Ratio Lower Upper

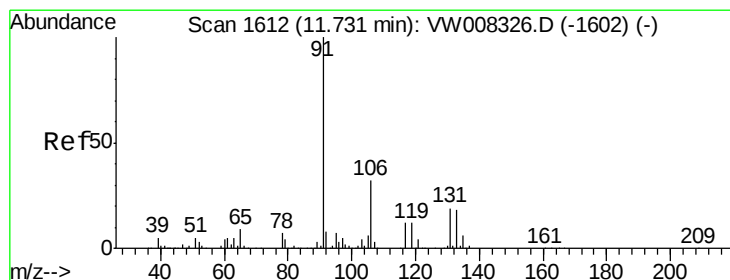
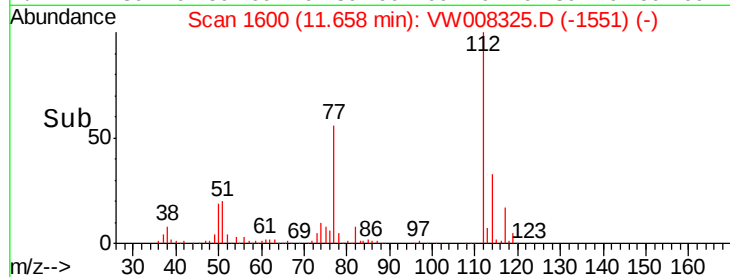
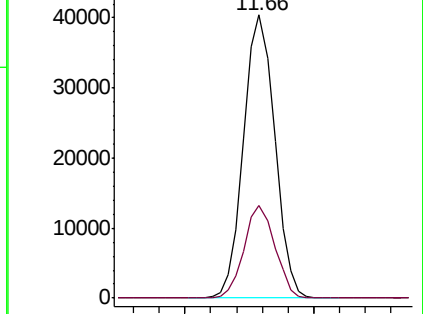
112 100

114 32.7 26.9 40.3



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: 19.194 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

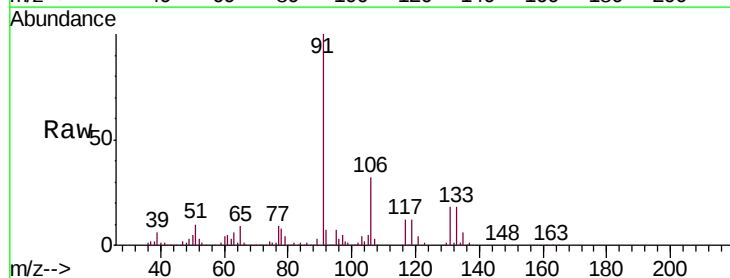
Tgt Ion:131 Resp: 23221

Ion Ratio Lower Upper

131 100

133 94.0 48.2 144.6

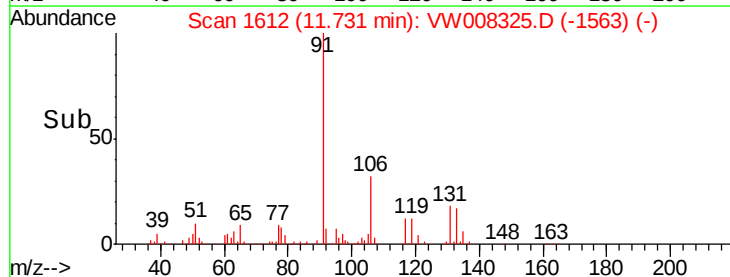
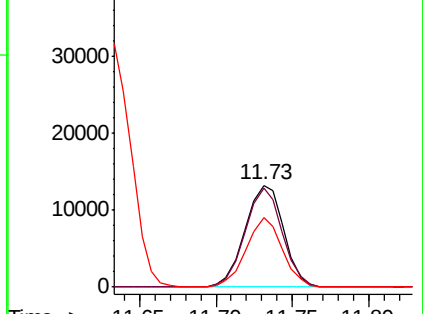
119 64.3 31.6 94.7

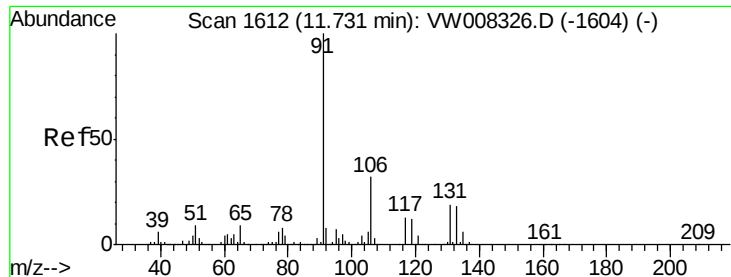


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.800 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

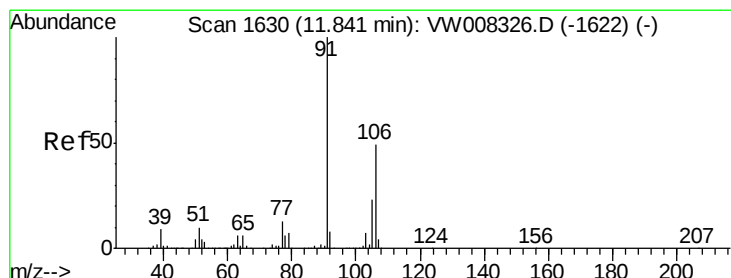
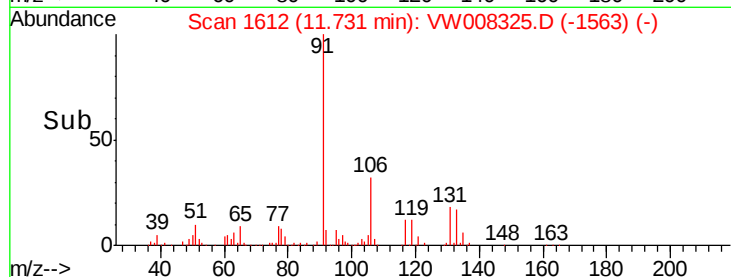
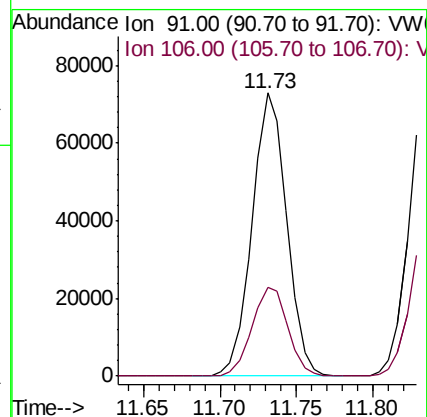
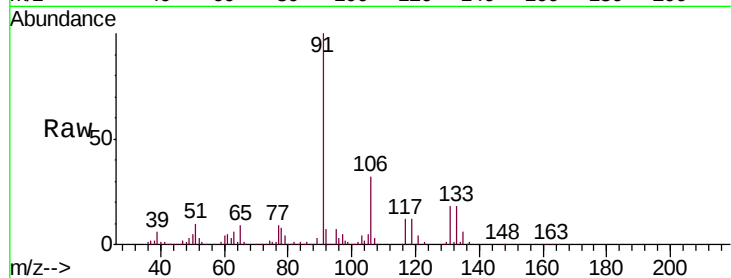
VSTDIC020

Tgt Ion: 91 Resp: 114743

Ion Ratio Lower Upper

91 100

106 31.6 25.4 38.2



#68

m/p-Xylenes

Concen: 38.207 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008325.D

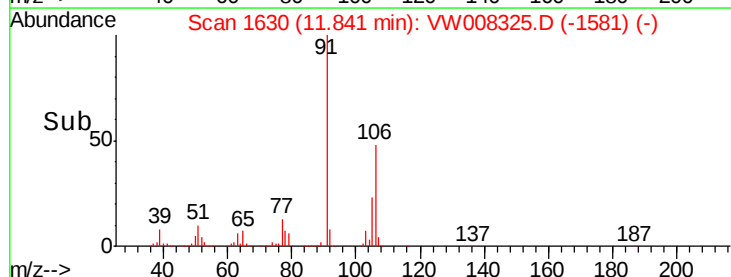
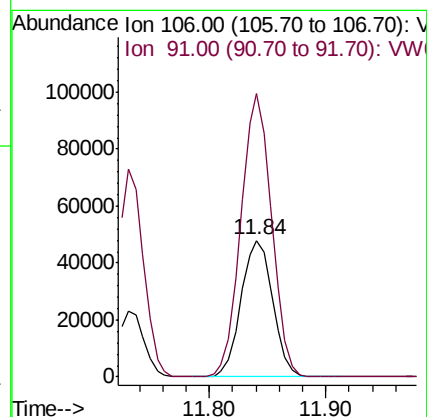
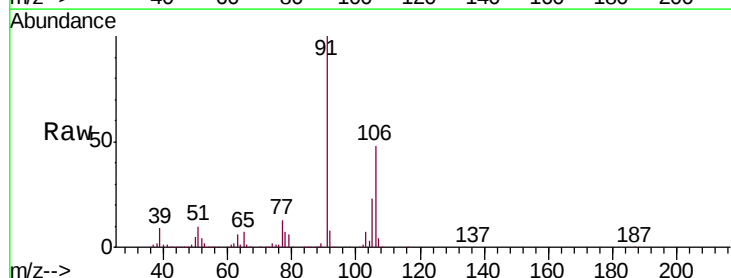
Acq: 17 Jan 2019 13:39

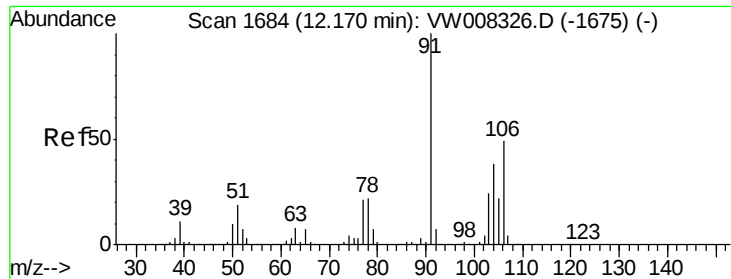
Tgt Ion: 106 Resp: 90510

Ion Ratio Lower Upper

106 100

91 201.9 158.4 237.6

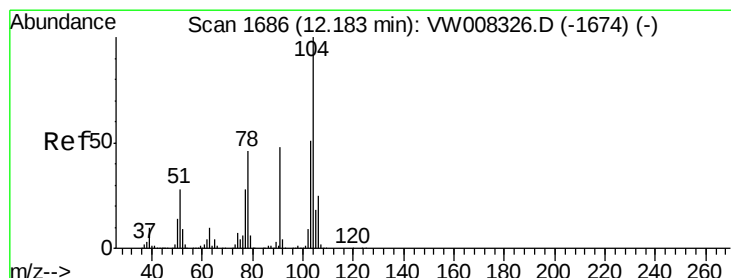
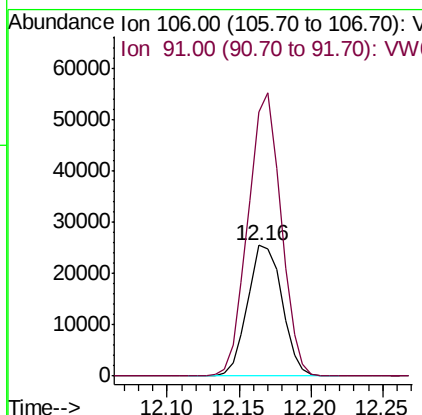
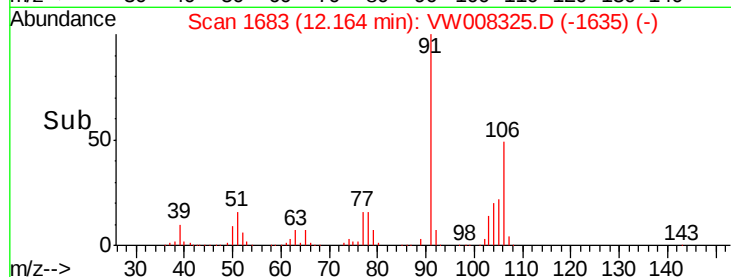
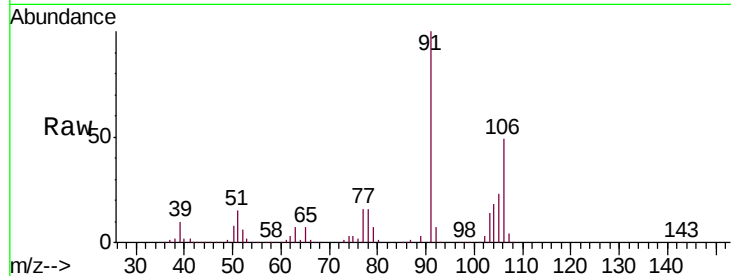




#69
o-Xylene
Concen: 19.173 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

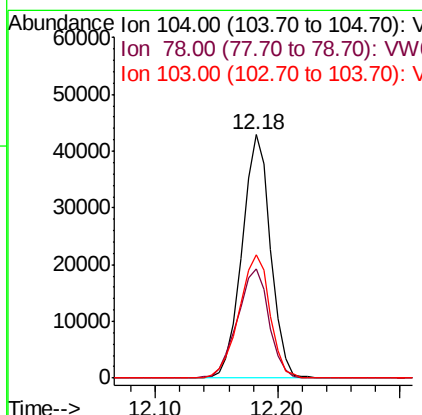
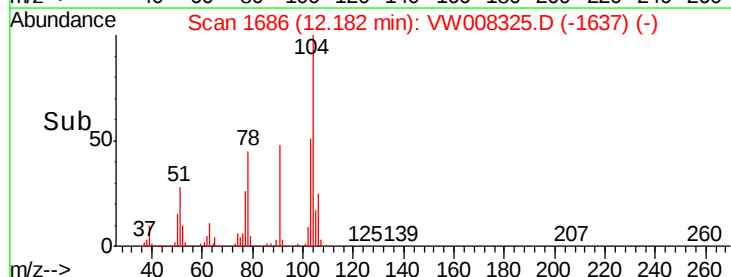
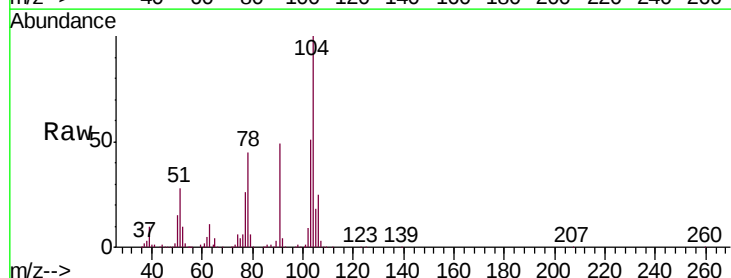
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

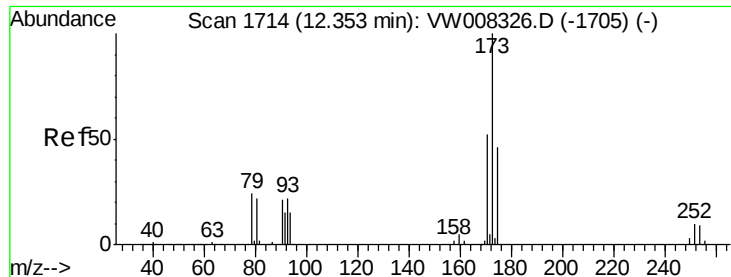
Tgt Ion:106 Resp: 42434
Ion Ratio Lower Upper
106 100
91 207.5 104.1 312.3



#70
Styrene
Concen: 19.481 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion:104 Resp: 69256
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.6
103 54.9 44.0 66.0





#71

Bromoform

Concen: 19.293 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

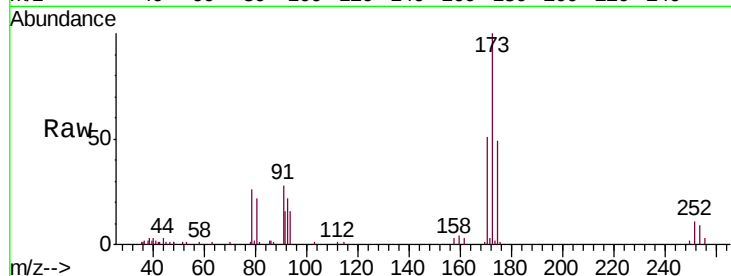
Tgt Ion:173 Resp: 11627

Ion Ratio Lower Upper

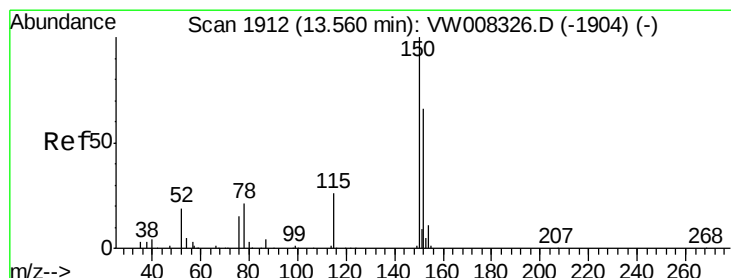
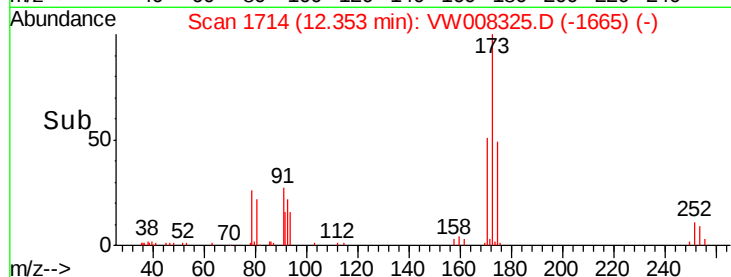
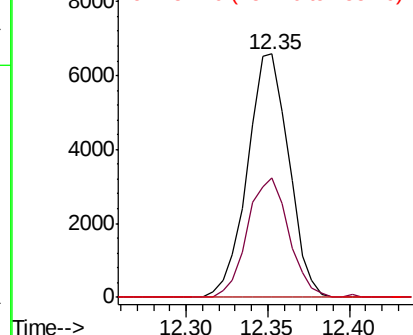
173 100

175 49.0 23.6 70.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

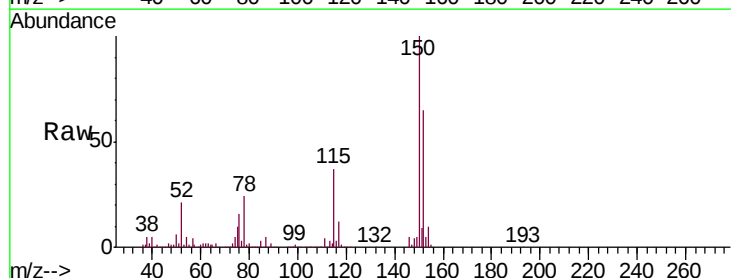
Tgt Ion:152 Resp: 83850

Ion Ratio Lower Upper

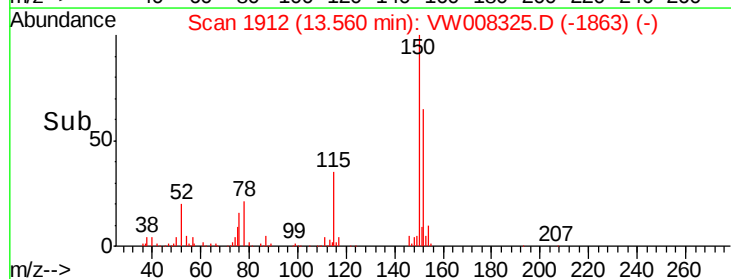
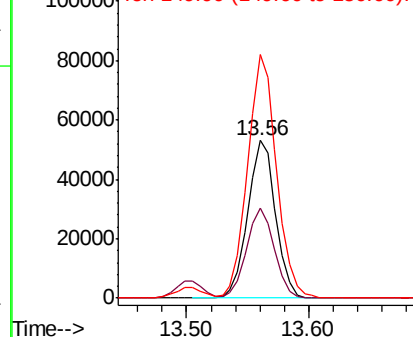
152 100

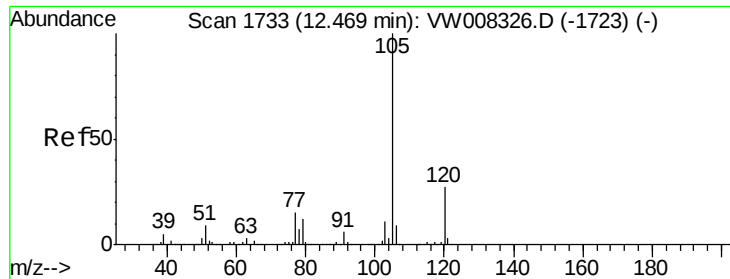
115 57.2 28.8 86.4

150 160.1 0.0 351.4



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





#73

Isopropylbenzene

Concen: 18.657 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

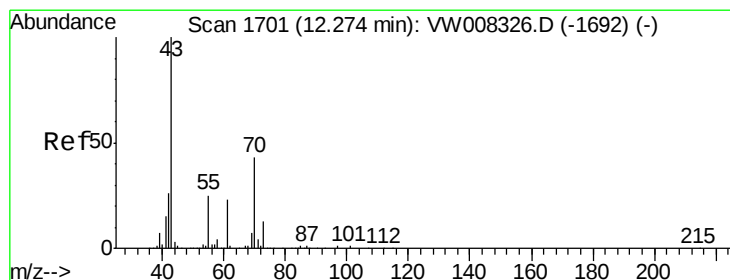
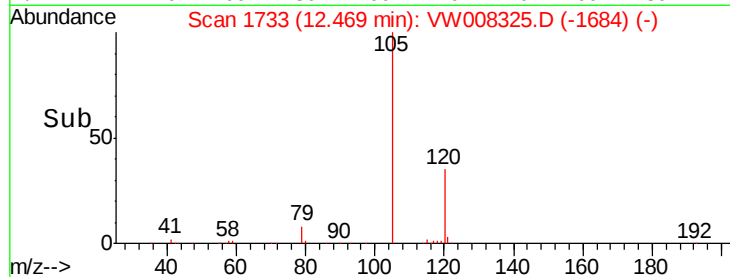
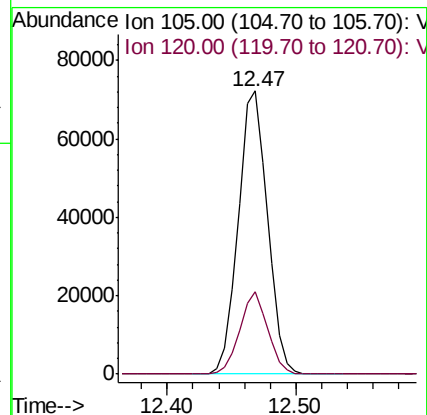
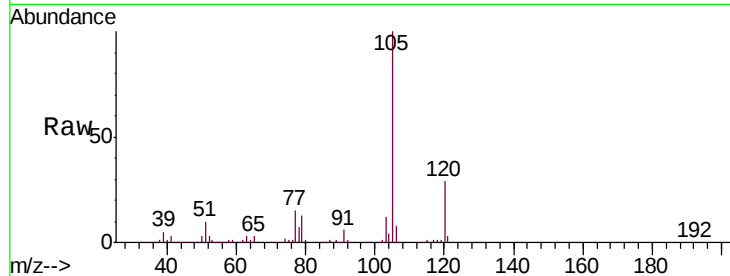
VSTDIC020

Tgt Ion: 105 Resp: 113985

Ion Ratio Lower Upper

105 100

120 27.8 13.6 40.8



#74

N-ethyl acetate

Concen: 18.814 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Tgt Ion: 43 Resp: 24633

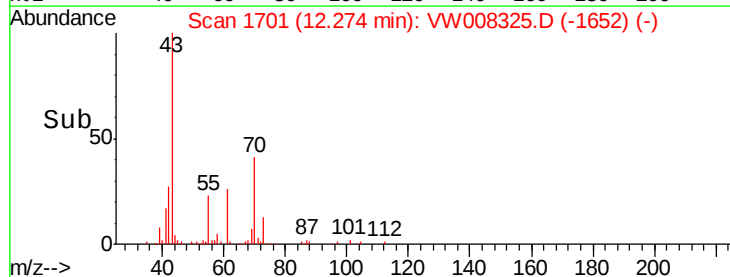
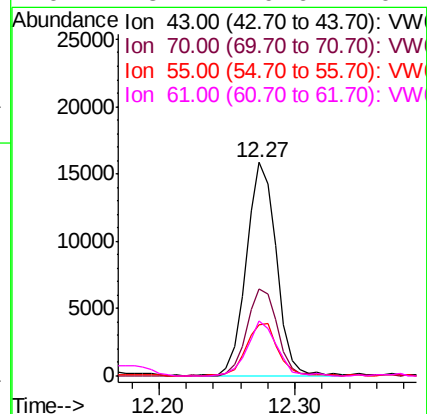
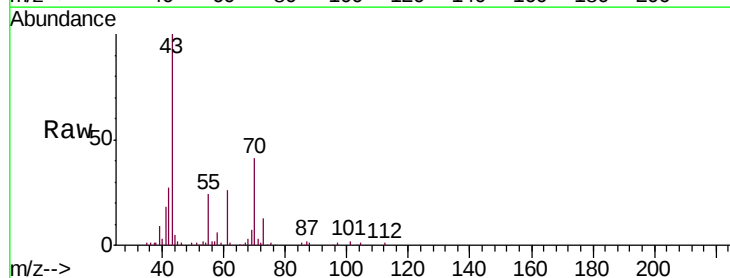
Ion Ratio Lower Upper

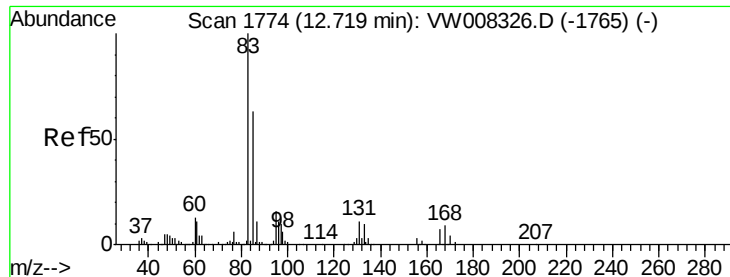
43 100

70 41.6 34.6 52.0

55 26.1 20.0 30.0

61 25.4 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.863 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

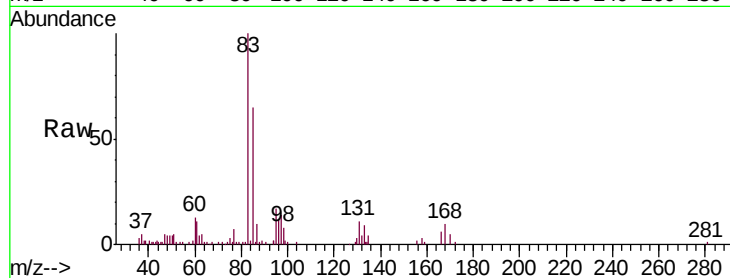
Tgt Ion: 83 Resp: 19602

Ion Ratio Lower Upper

83 100

131 11.6 5.5 16.5

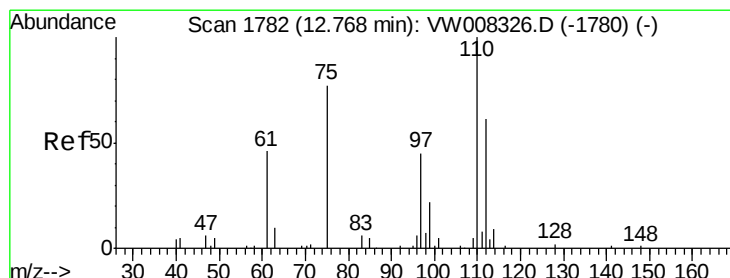
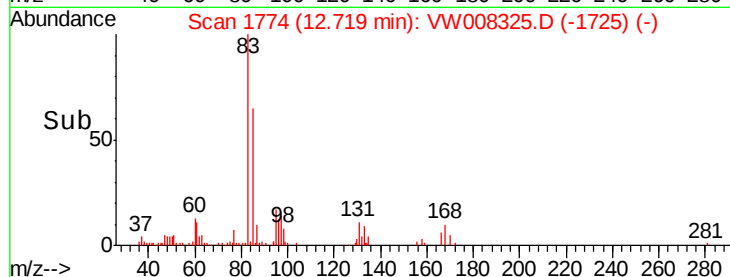
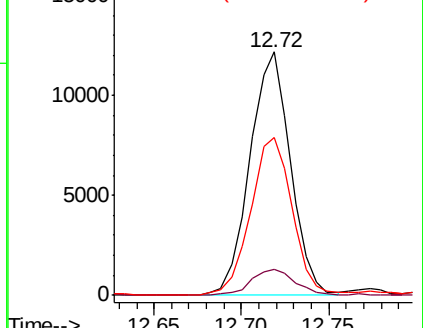
85 66.5 31.6 94.7



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: 32.350 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008325.D

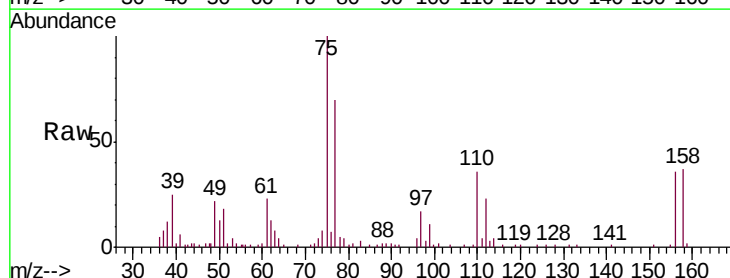
Acq: 17 Jan 2019 13:39

Tgt Ion: 75 Resp: 26369

Ion Ratio Lower Upper

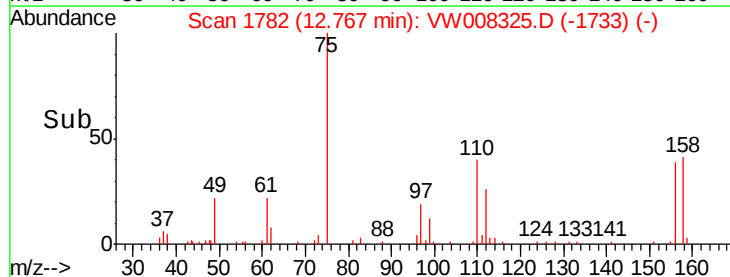
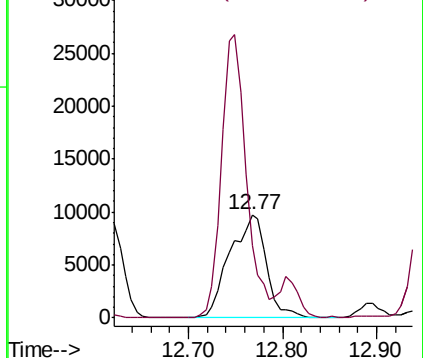
75 100

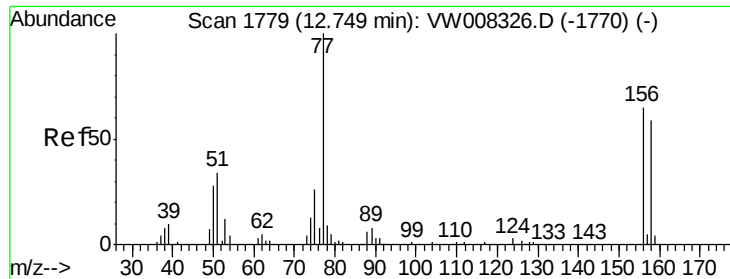
77 186.4 175.3 526.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.704 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

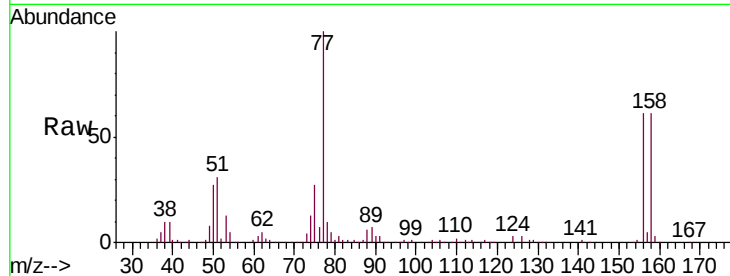
Tgt Ion:156 Resp: 27448

Ion Ratio Lower Upper

156 100

77 179.0 88.3 264.9

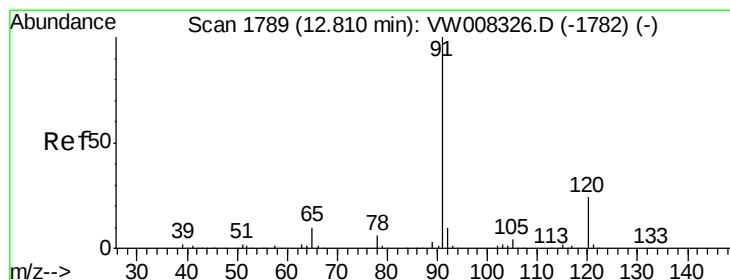
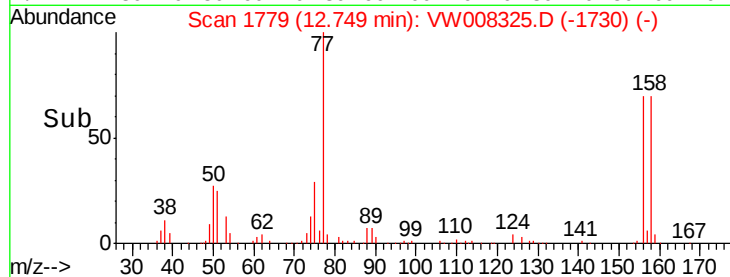
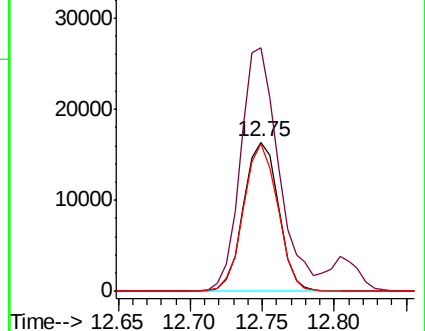
158 97.4 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.744 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008325.D

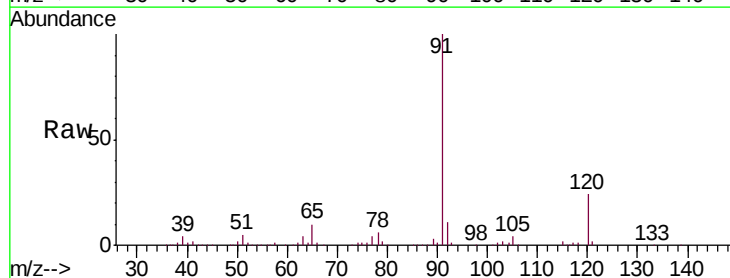
Acq: 17 Jan 2019 13:39

Tgt Ion: 91 Resp: 138609

Ion Ratio Lower Upper

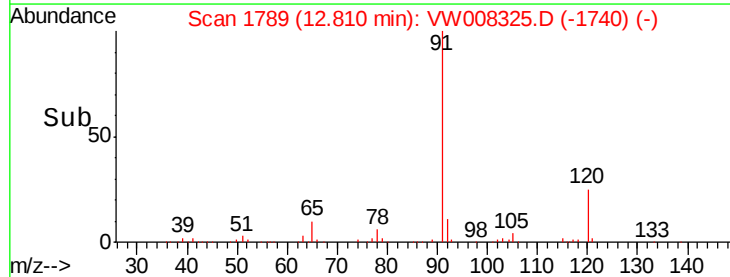
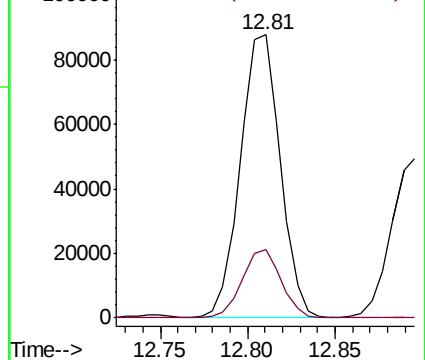
91 100

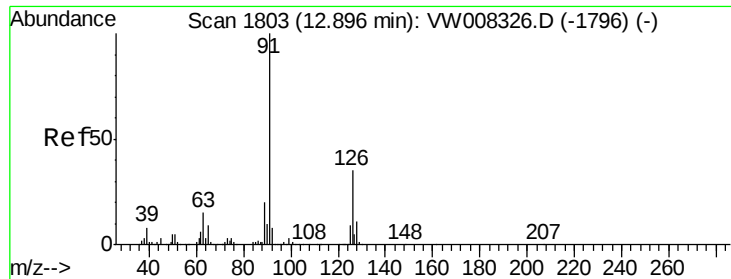
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

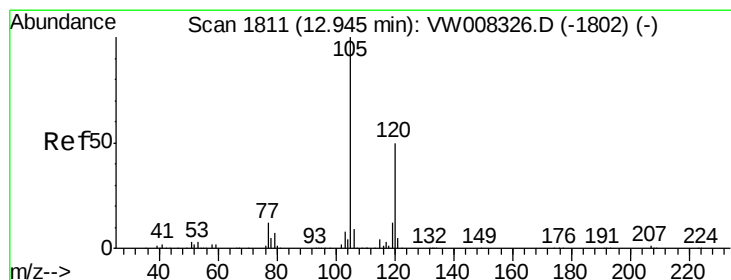
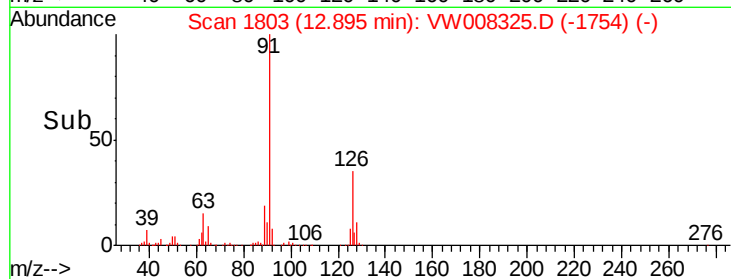
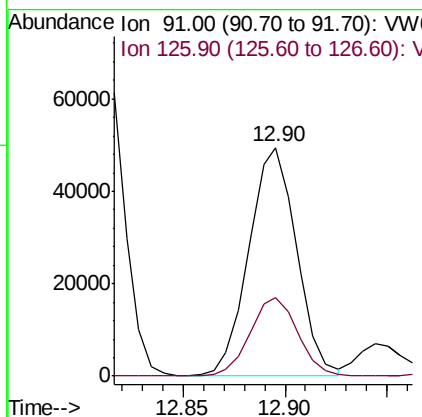
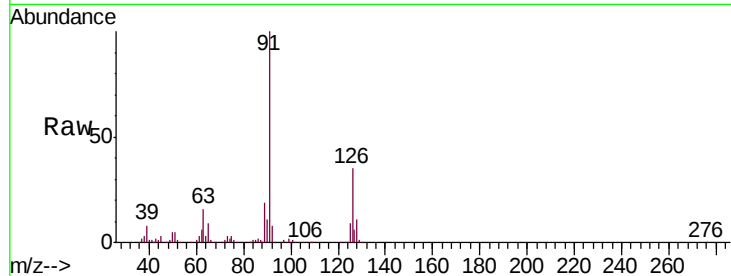




#79
 2-Chlorotoluene
 Concen: 19.028 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

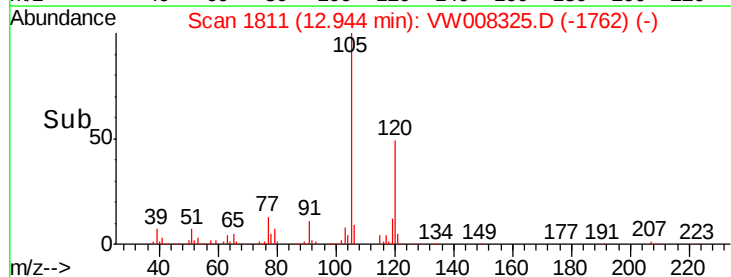
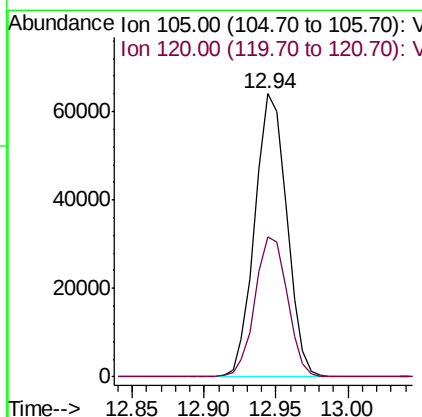
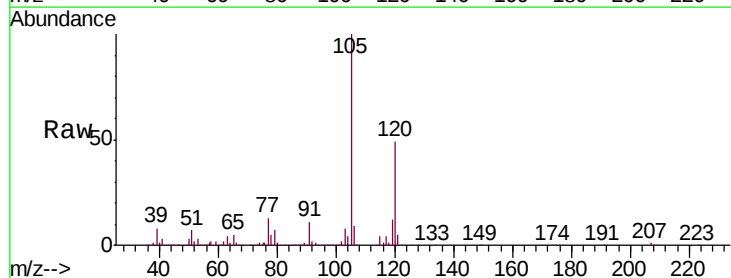
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

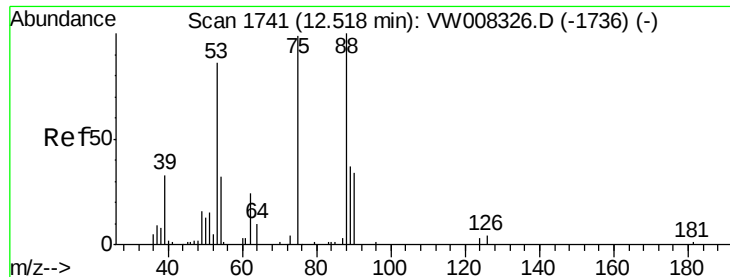
Tgt Ion: 91 Resp: 80395
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 19.170 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion: 105 Resp: 97733
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.899 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

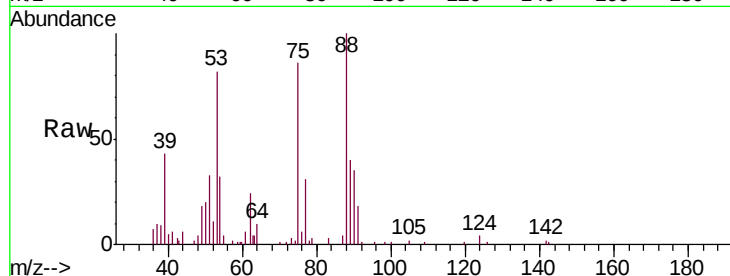
Tgt Ion: 75 Resp: 6047

Ion Ratio Lower Upper

75 100

53 96.5 76.2 114.4

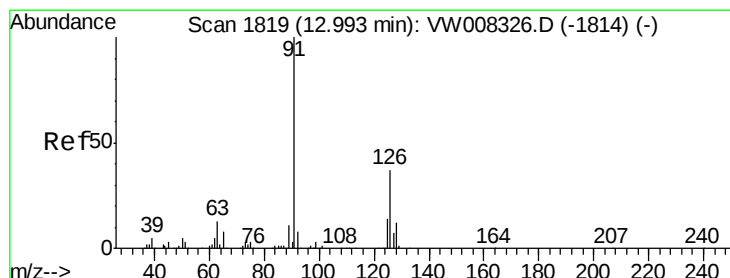
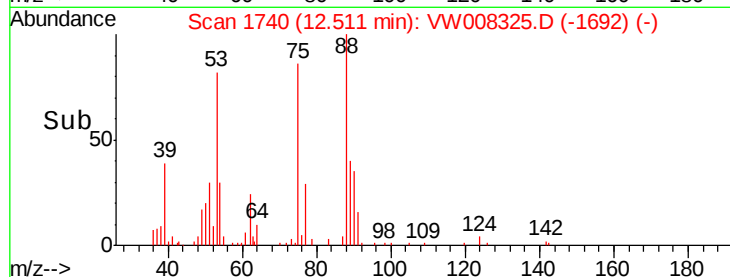
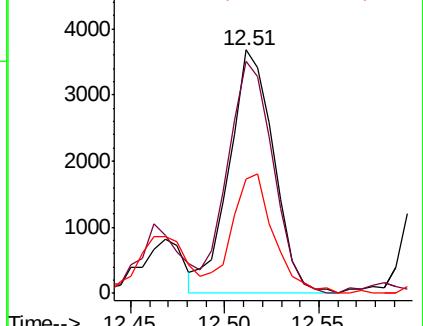
89 46.5 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 19.090 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008325.D

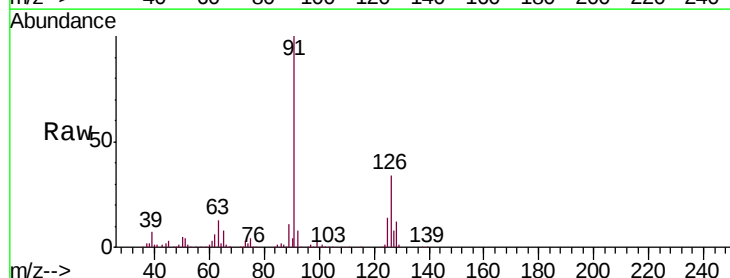
Acq: 17 Jan 2019 13:39

Tgt Ion: 91 Resp: 84283

Ion Ratio Lower Upper

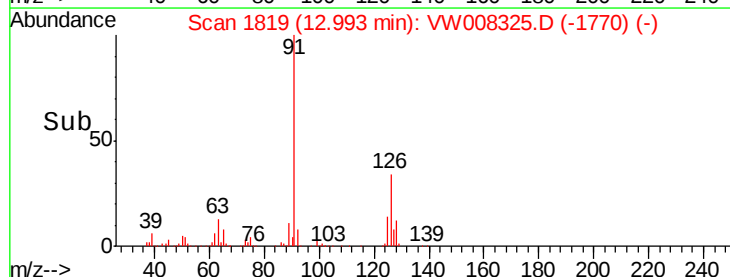
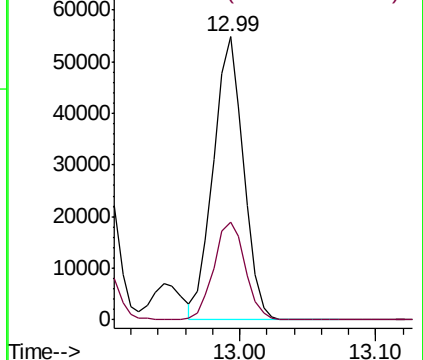
91 100

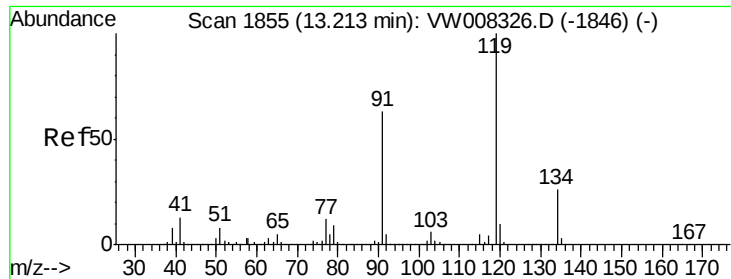
126 36.0 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

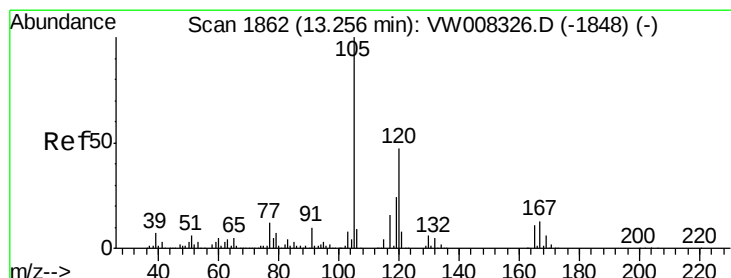
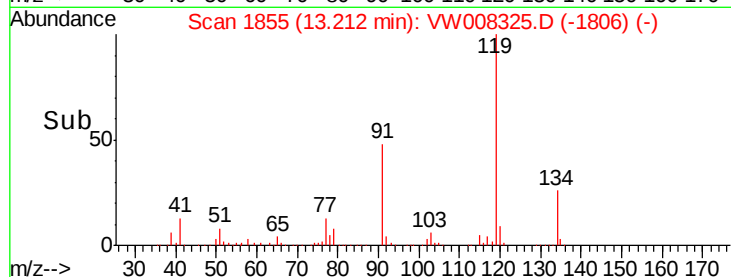
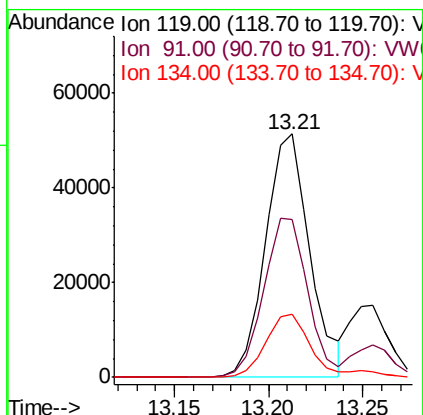
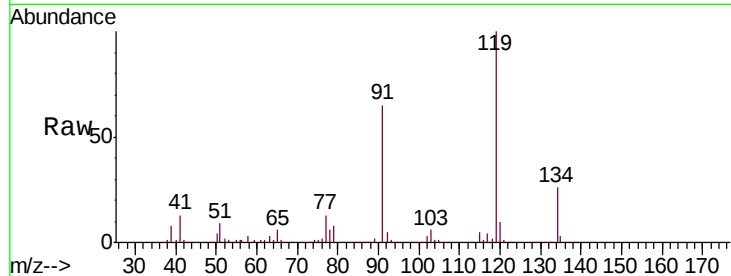




#83
tert-Butylbenzene
Concen: 18.723 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

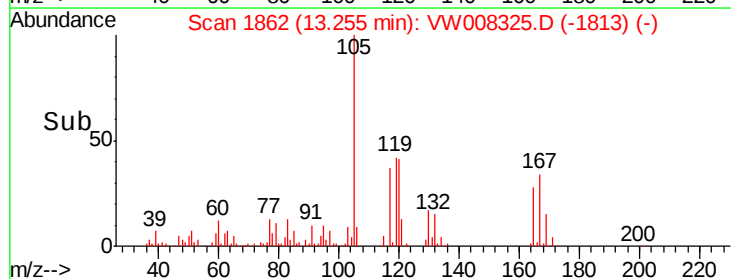
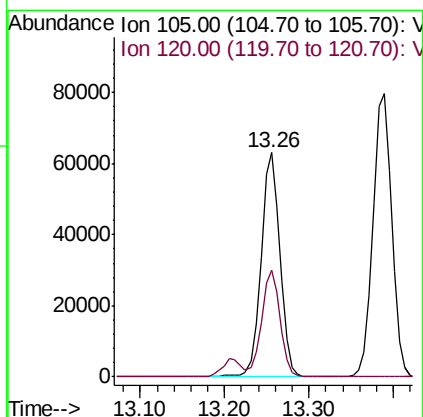
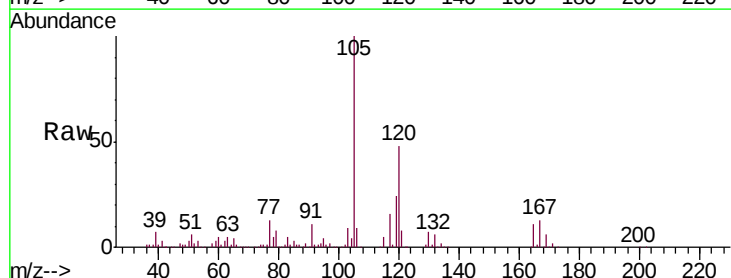
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

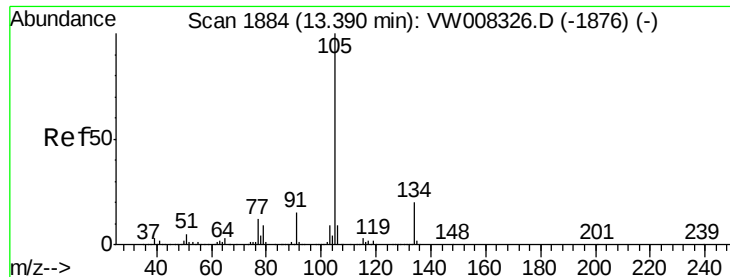
Tgt Ion:119 Resp: 84016
Ion Ratio Lower Upper
119 100
91 65.1 32.4 97.0
134 26.0 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 18.767 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion:105 Resp: 97468
Ion Ratio Lower Upper
105 100
120 46.5 23.5 70.6

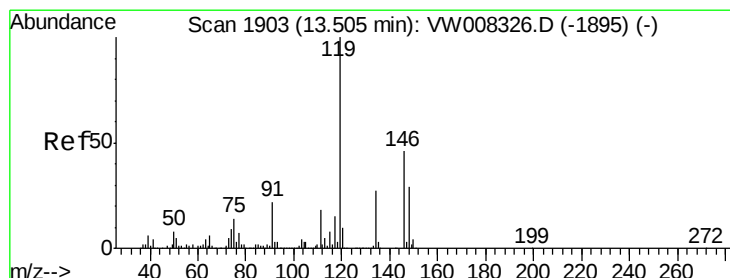
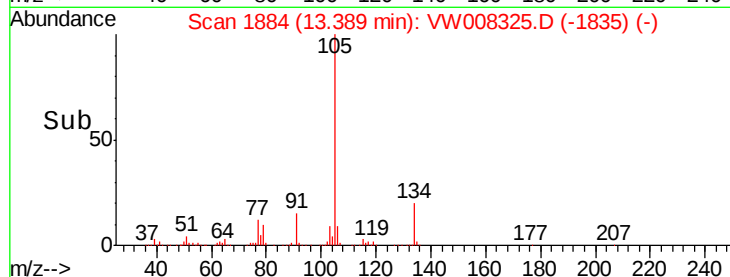
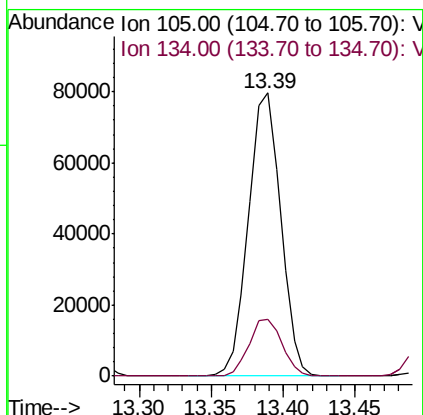
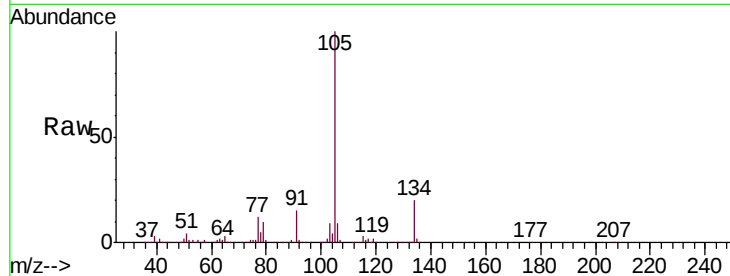




#85
 sec-Butylbenzene
 Concen: 19.182 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

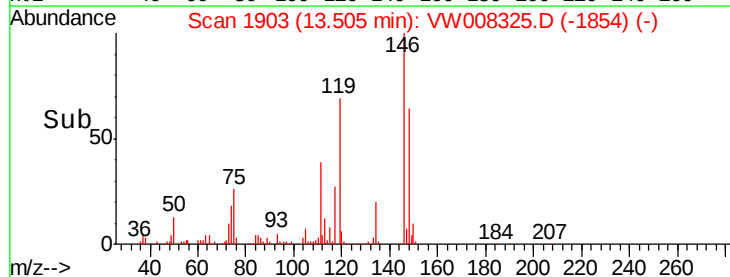
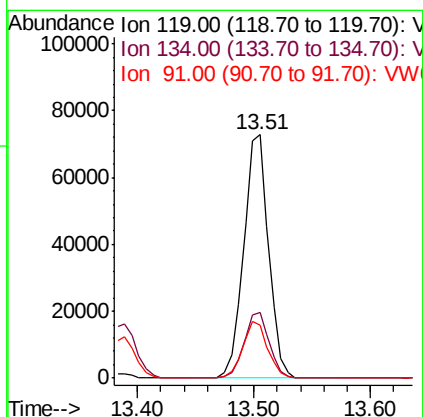
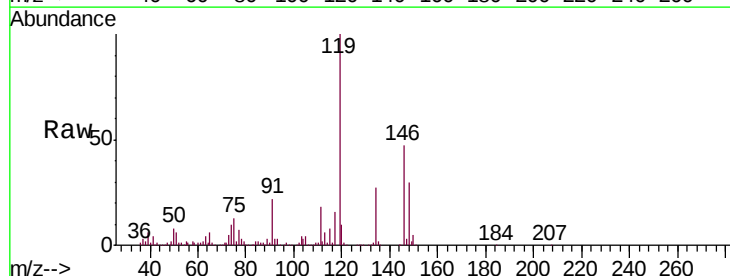
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

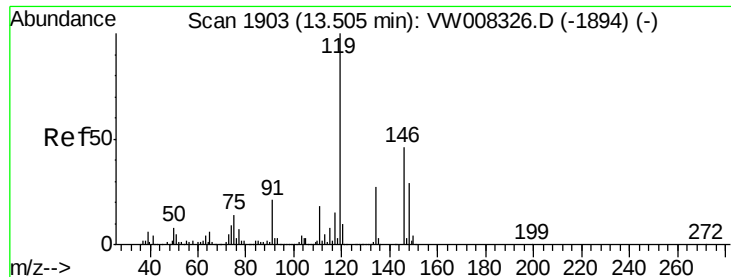
Tgt Ion:105 Resp: 123585
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 19.275 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion:119 Resp: 108464
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.7 41.0
 91 23.4 11.4 34.2

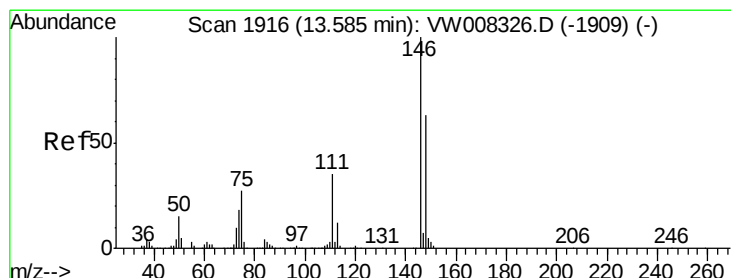
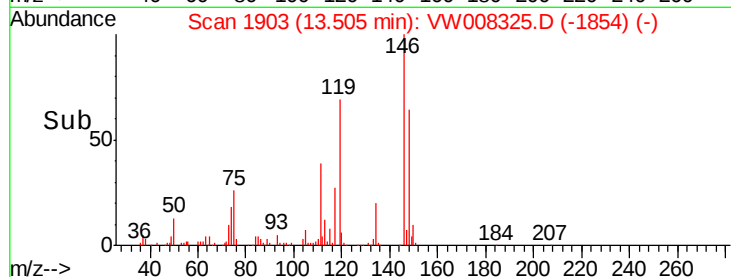
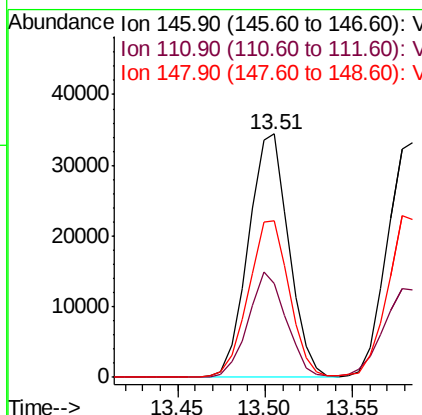
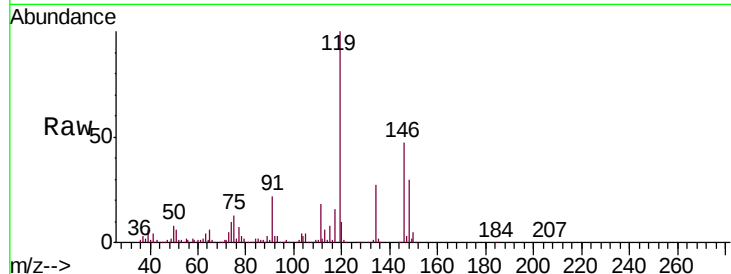




#87
 1,3-Dichlorobenzene
 Concen: 18.910 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

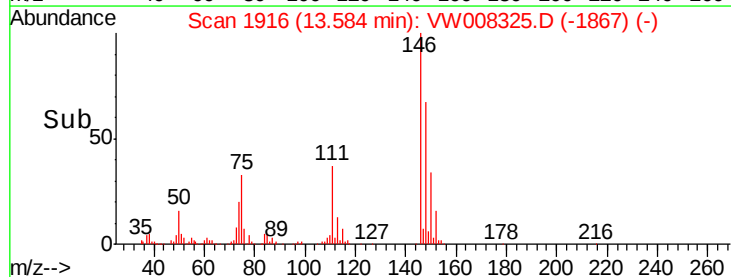
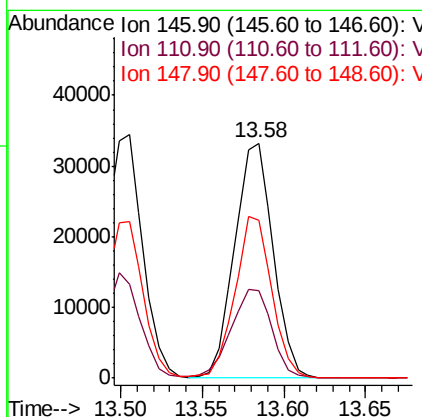
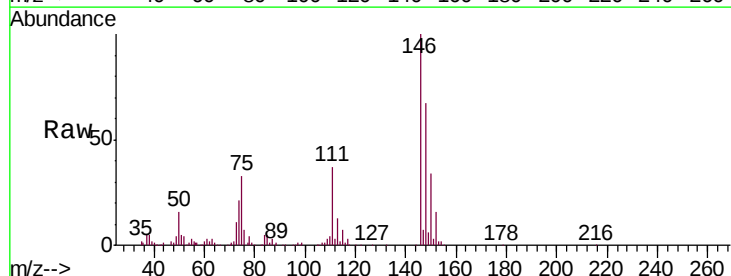
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

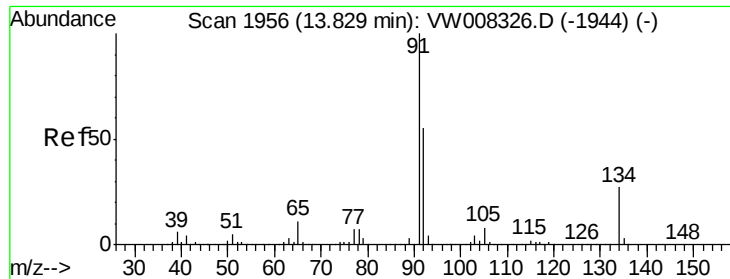
Tgt Ion:146 Resp: 55136
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.9 59.7
 148 65.6 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 18.718 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion:146 Resp: 54680
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.9 56.5
 148 65.8 31.6 94.8





#89

n-Butylbenzene

Concen: 19.116 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008325.D

Acq: 17 Jan 2019 13:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

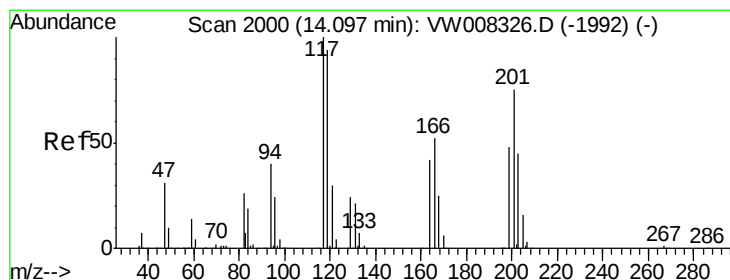
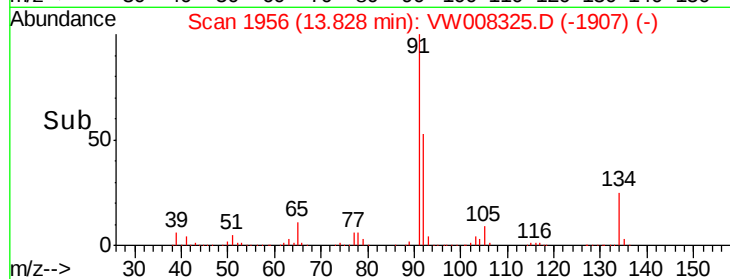
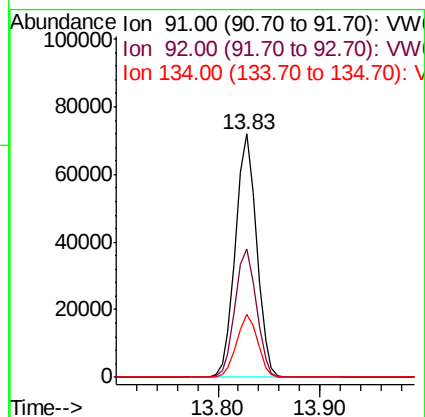
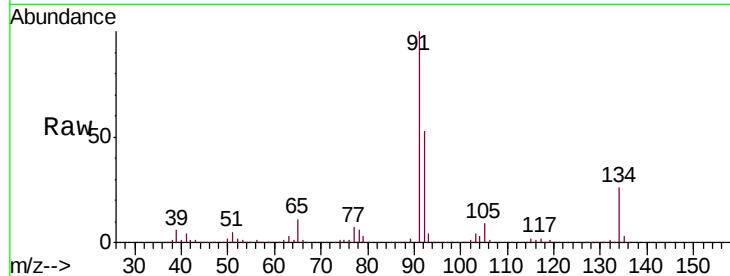
Tgt Ion: 91 Resp: 103180

Ion Ratio Lower Upper

91 100

92 53.3 27.2 81.6

134 25.8 13.4 40.1



#90

Hexachloroethane

Concen: 18.166 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008325.D

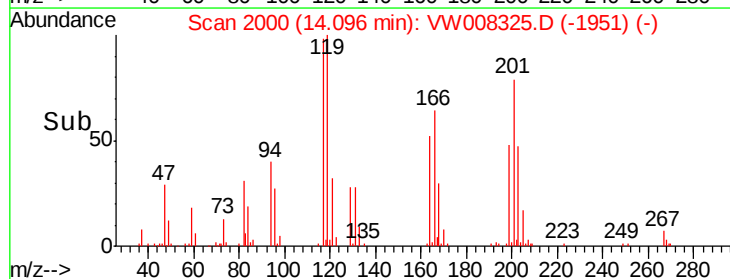
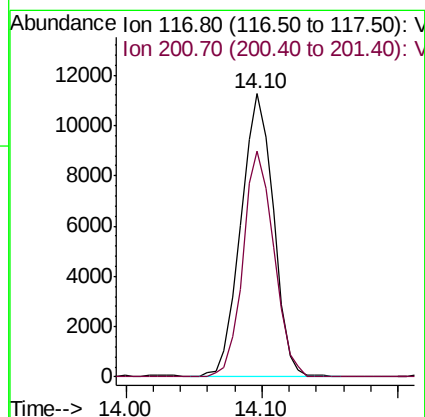
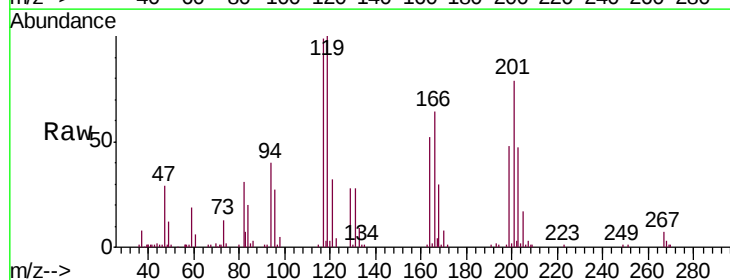
Acq: 17 Jan 2019 13:39

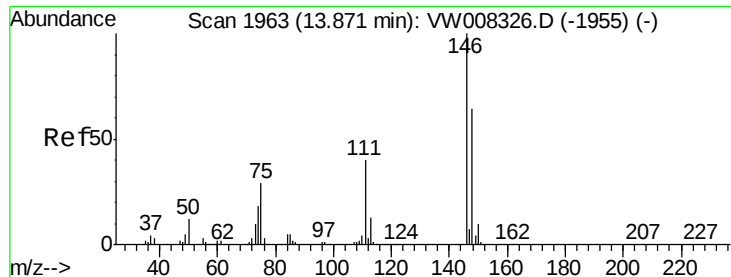
Tgt Ion: 117 Resp: 18917

Ion Ratio Lower Upper

117 100

201 75.3 39.3 117.9

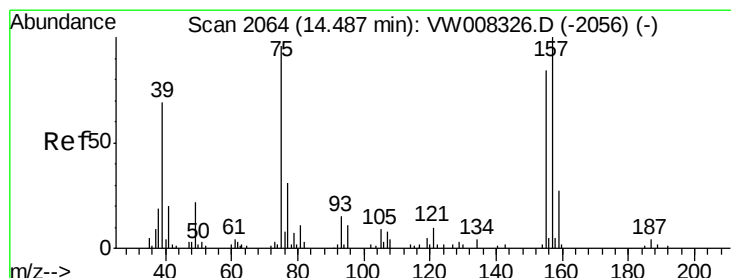
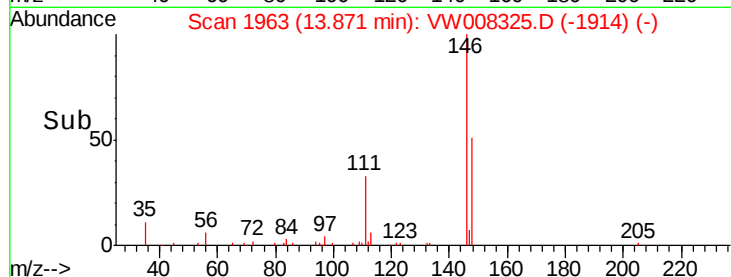
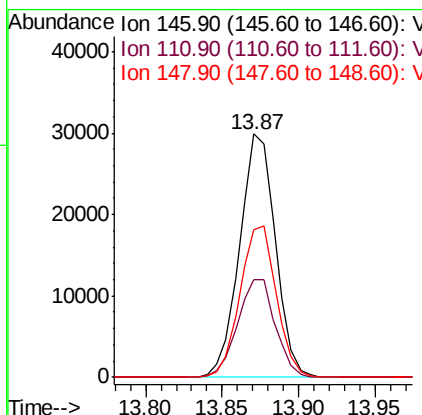
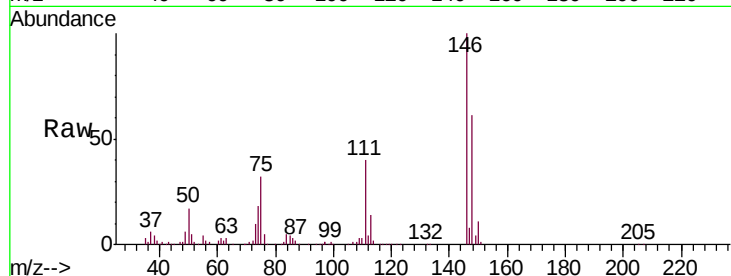




#91
 1,2-Dichlorobenzene
 Concen: 18.865 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

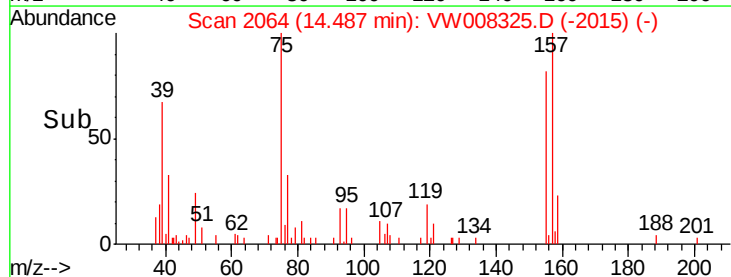
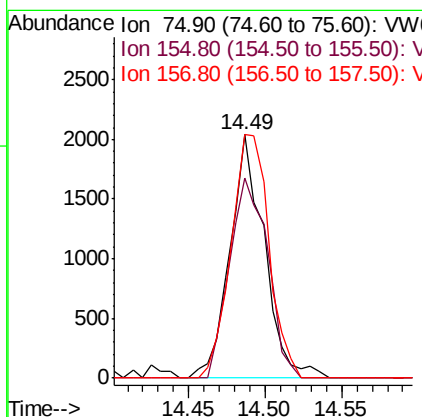
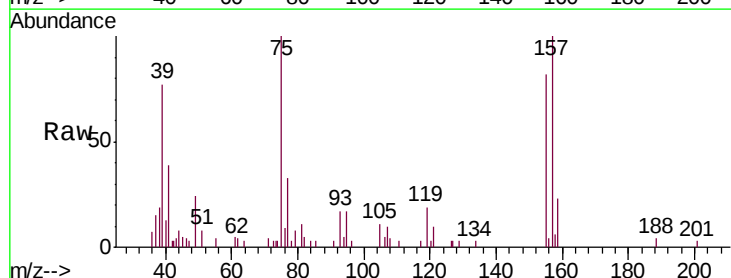
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

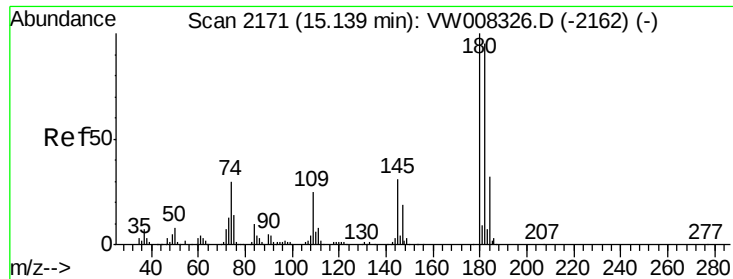
Tgt Ion: 146 Resp: 48565
 Ion Ratio Lower Upper
 146 100
 111 42.3 19.6 58.8
 148 63.1 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.785 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008325.D
 Acq: 17 Jan 2019 13:39

Tgt Ion: 75 Resp: 3192
 Ion Ratio Lower Upper
 75 100
 155 90.7 44.7 134.1
 157 109.8 53.9 161.8

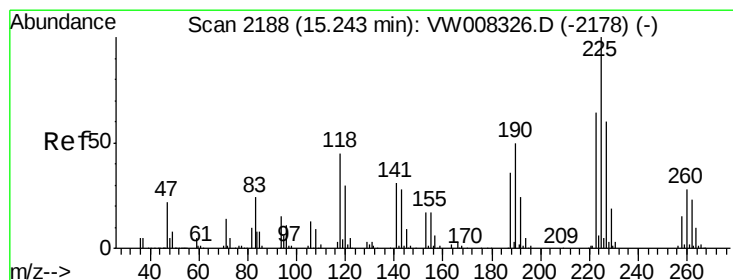
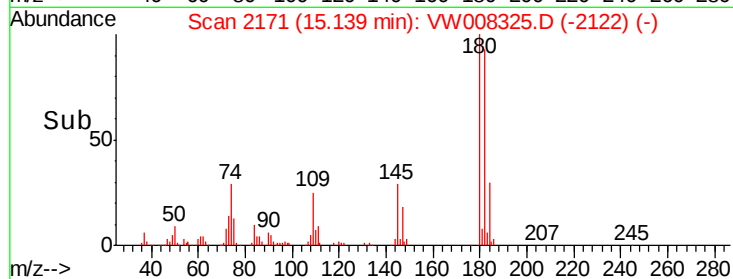
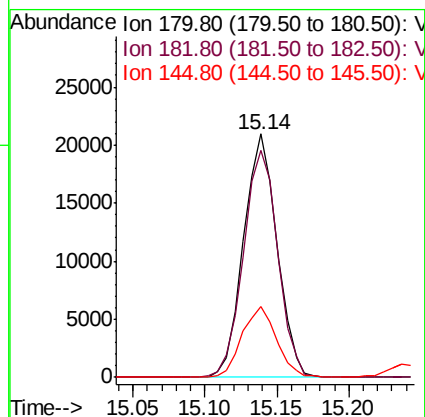
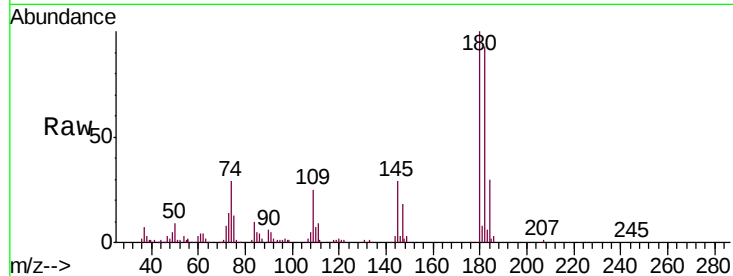




#93
1,2,4-Trichlorobenzene
Concen: 19.356 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

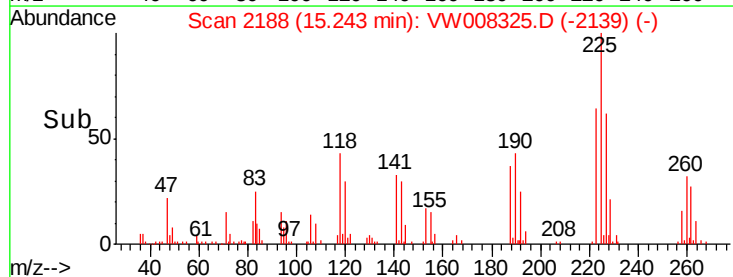
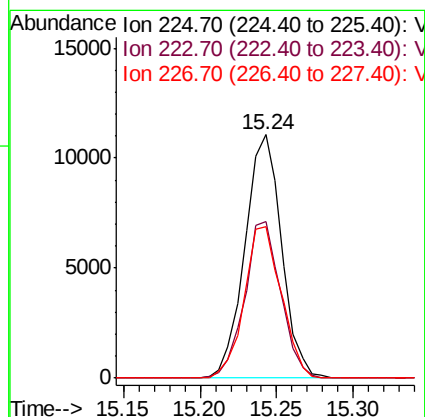
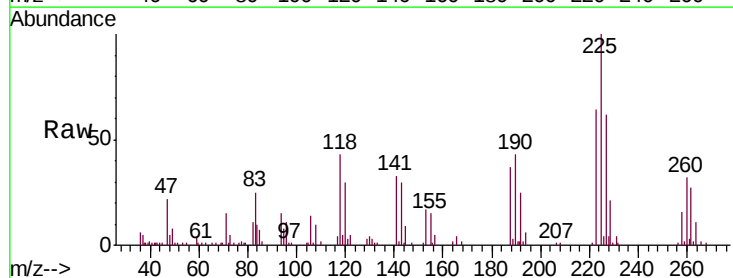
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

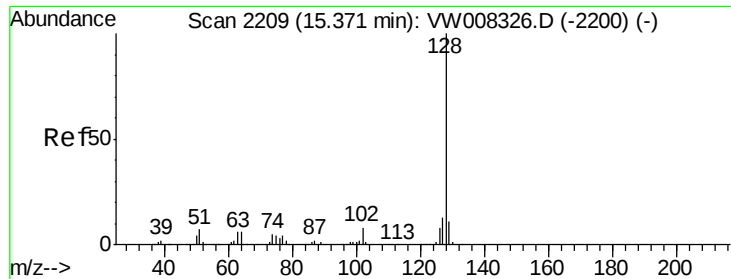
Tgt Ion:180 Resp: 33732
Ion Ratio Lower Upper
180 100
182 95.2 47.6 142.8
145 30.0 14.8 44.4



#94
Hexachlorobutadiene
Concen: 18.733 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion:225 Resp: 18398
Ion Ratio Lower Upper
225 100
223 63.5 31.1 93.3
227 62.9 30.3 90.8

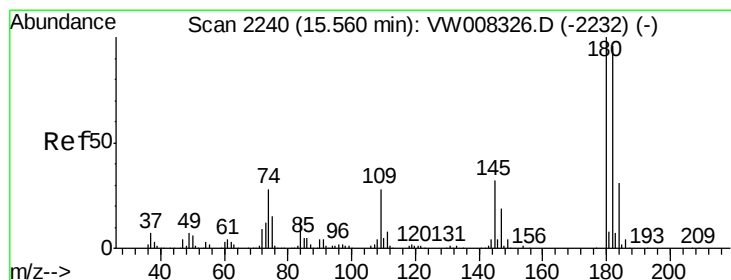
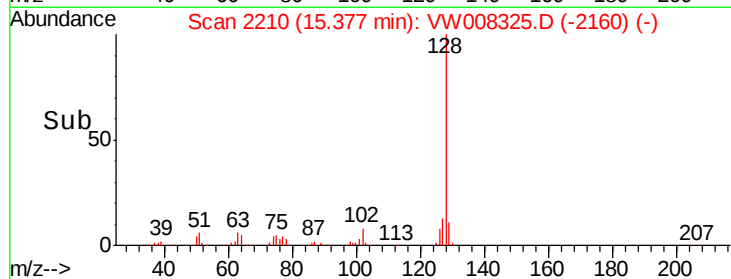
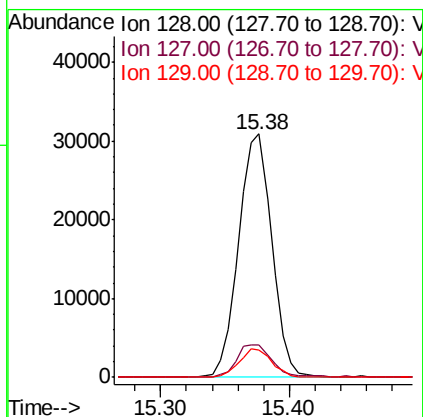
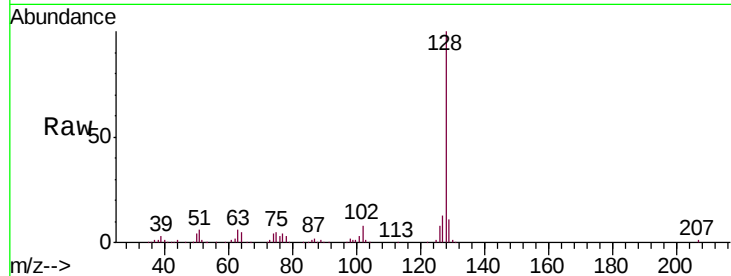




#95
Naphthalene
Concen: 18.956 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 55201
Ion Ratio Lower Upper
128 100
127 14.4 10.5 15.7
129 11.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.709 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW008325.D
Acq: 17 Jan 2019 13:39

Tgt Ion:180 Resp: 28399
Ion Ratio Lower Upper
180 100
182 95.1 47.3 141.9
145 34.3 16.2 48.6

