

Data File : VW012711.D
Acq On : 07 Sep 2019 10:38
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: Sep 08 04:51:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 04:47:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	287805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184480	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	60499	18.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.62%	
35) Dibromofluoromethane	7.88	113	48611	18.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.50%	
50) Toluene-d8	10.32	98	189438	18.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.30%	
62) 4-Bromofluorobenzene	12.62	95	70479	19.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	31603	20.255	ug/l	93
3) Chloromethane	2.21	50	40591	21.407	ug/l	99
4) Vinyl Chloride	2.35	62	47730	20.529	ug/l	95
5) Bromomethane	2.76	94	26777	21.209	ug/l	99
6) Chloroethane	2.92	64	27718	19.978	ug/l	96
7) Trichlorofluoromethane	3.25	101	31102	19.385	ug/l	92
8) Diethyl Ether	3.68	74	26140	19.385	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50381	20.010	ug/l	100
10) Methyl Iodide	4.26	142	62821	19.820	ug/l	99
11) Tert butyl alcohol	5.17	59	21535	87.527	ug/l	97
12) 1,1-Dichloroethene	4.04	96	47316	19.908	ug/l	93
13) Acrolein	3.88	56	24048	92.106	ug/l	97
14) Allyl chloride	4.66	41	97110	19.751	ug/l	99
15) Acrylonitrile	5.36	53	68467	86.931	ug/l	100
16) Acetone	4.12	43	71625	81.701	ug/l	100
17) Carbon Disulfide	4.38	76	106151	21.041	ug/l	100
18) Methyl Acetate	4.67	43	35468	17.244	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	86500	18.351	ug/l	93
20) Methylene Chloride	4.92	84	52711	19.219	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49221	20.296	ug/l	96
22) Diisopropyl ether	6.31	45	182140	18.678	ug/l	97
23) Vinyl Acetate	6.25	43	540614	87.478	ug/l	98
24) 1,1-Dichloroethane	6.21	63	102008	19.428	ug/l	99
25) 2-Butanone	7.16	43	98644	85.245	ug/l	97
26) 2,2-Dichloropropane	7.16	77	66539	20.064	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	56388	20.053	ug/l	97
28) Bromochloromethane	7.51	49	45159	18.731	ug/l	99
29) Tetrahydrofuran	7.52	42	62493	88.273	ug/l	98
30) Chloroform	7.67	83	103981	19.982	ug/l	98
31) Cyclohexane	7.95	56	94758	20.046	ug/l	# 92
32) 1,1,1-Trichloroethane	7.87	97	84011	19.917	ug/l	98
36) 1,1-Dichloropropene	8.08	75	75792	19.556	ug/l	99
37) Ethyl Acetate	7.25	43	41049	16.615	ug/l	99
38) Carbon Tetrachloride	8.07	117	73416	19.217	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	87546	20.112	ug/l	98
40) Benzene	8.32	78	217069	20.187	ug/l	99
41) Methacrylonitrile	7.48	41	26927	18.076	ug/l	94
42) 1,2-Dichloroethane	8.40	62	71521	18.899	ug/l	98
43) Isopropyl Acetate	8.42	43	81129	17.333	ug/l	96
44) Trichloroethene	9.09	130	54779	19.763	ug/l	98
45) 1,2-Dichloropropane	9.37	63	58232	19.525	ug/l	99
46) Dibromomethane	9.46	93	26878	19.032	ug/l	99
47) Bromodichloromethane	9.65	83	73478	18.911	ug/l	100
48) Methyl methacrylate	9.43	41	38333	17.137	ug/l	95
49) 1,4-Dioxane	9.44	88	10001	358.506	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	205127	83.517	ug/l	99
52) Toluene	10.38	92	133901	19.951	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	73162	18.312	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	81282	17.934	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39158	18.520	ug/l	98
56) Ethyl methacrylate	10.65	69	54954	17.756	ug/l	97
57) 1,3-Dichloropropane	10.93	76	71874	18.375	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	155990	94.939	ug/l	99
59) 2-Hexanone	10.97	43	146031	81.382	ug/l	100
60) Dibromochloromethane	11.13	129	45557	18.321	ug/l	98
61) 1,2-Dibromoethane	11.23	107	35202	18.160	ug/l	98
64) Tetrachloroethene	10.86	164	45677	20.071	ug/l	95
65) Chlorobenzene	11.66	112	140752	19.856	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51057	19.341	ug/l	99
67) Ethyl Benzene	11.73	91	268364	20.177	ug/l	97
68) m/p-Xylenes	11.84	106	191995	39.992	ug/l	99
69) o-Xylene	12.16	106	91093	20.112	ug/l	97
70) Styrene	12.18	104	157625	19.695	ug/l	99
71) Bromoform	12.35	173	24829	16.929	ug/l #	96
73) Isopropylbenzene	12.46	105	257587	19.468	ug/l	99
74) N-amyl acetate	12.27	43	73534	17.509	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45615	17.166	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	62148	34.329	ug/l #	100
77) Bromobenzene	12.75	156	56682	18.909	ug/l	98
78) n-propylbenzene	12.80	91	312482	19.746	ug/l	99
79) 2-Chlorotoluene	12.89	91	180921	19.915	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	220363	19.765	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14426	16.175	ug/l	94
82) 4-Chlorotoluene	12.99	91	188977	19.666	ug/l	100
83) tert-Butylbenzene	13.21	119	192443	19.521	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	221293	19.698	ug/l	100
85) sec-Butylbenzene	13.38	105	262469	19.187	ug/l	99
86) p-Isopropyltoluene	13.50	119	243932	19.522	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	112801	19.144	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	113105	19.291	ug/l	98
89) n-Butylbenzene	13.82	91	235968	19.452	ug/l	100
90) Hexachloroethane	14.09	117	42112	19.305	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	100941	19.034	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7722	15.879	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090719\
Quantitation Report (Not Reviewed)

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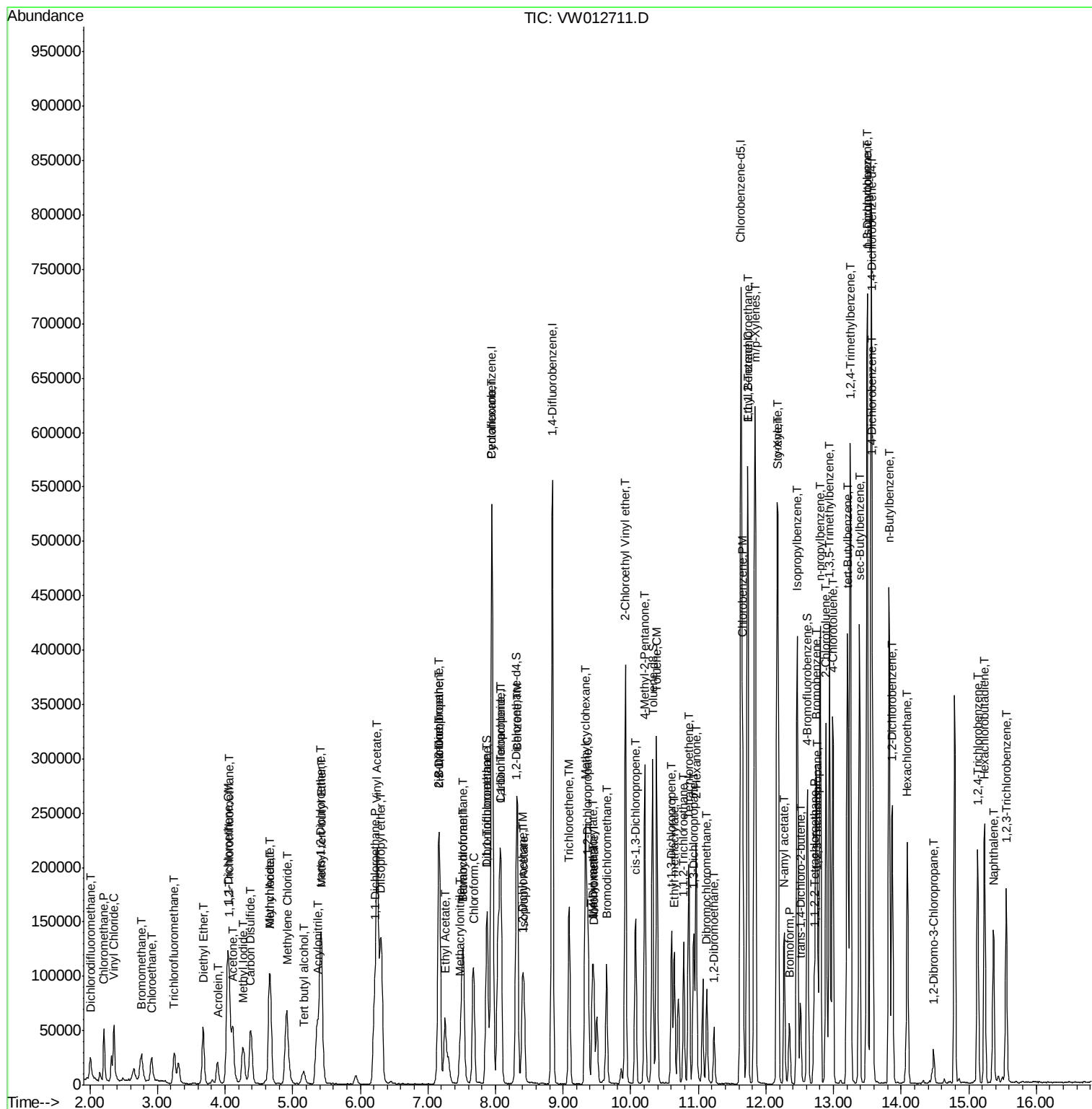
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	68043	18.428	ug/l	97
94) Hexachlorobutadiene	15.24	225	48894	19.132	ug/l	99
95) Naphthalene	15.36	128	115847	16.852	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	60554	18.580	ug/l	100

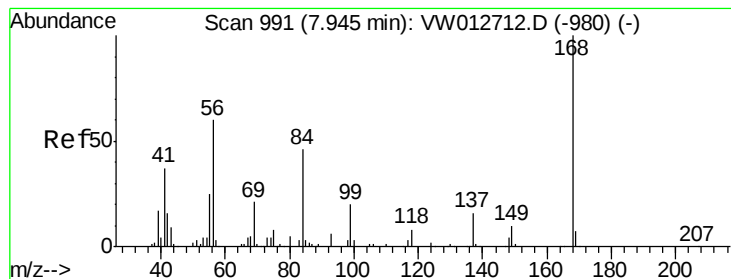
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

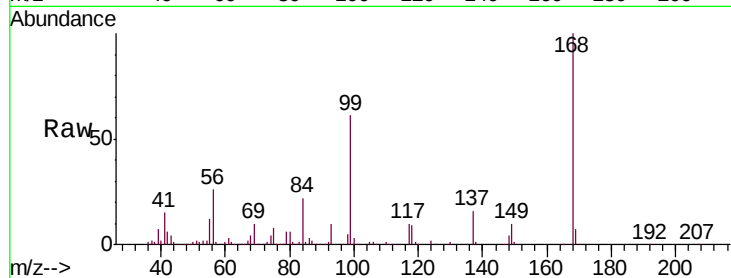
VSTDIC020

Tgt Ion:168 Resp: 287805

Ion Ratio Lower Upper

168 100

99 61.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

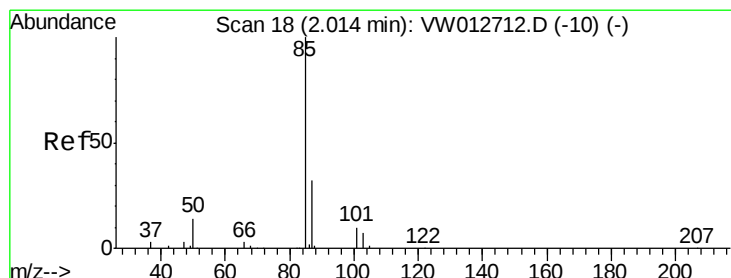
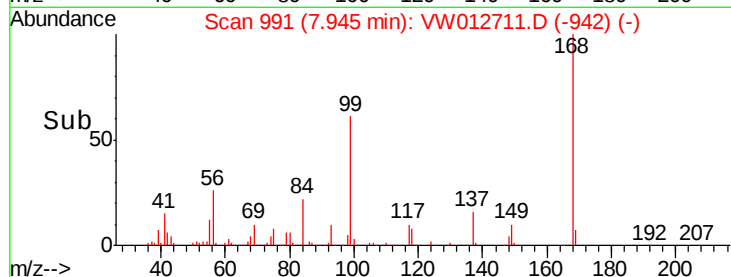
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.255 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012711.D

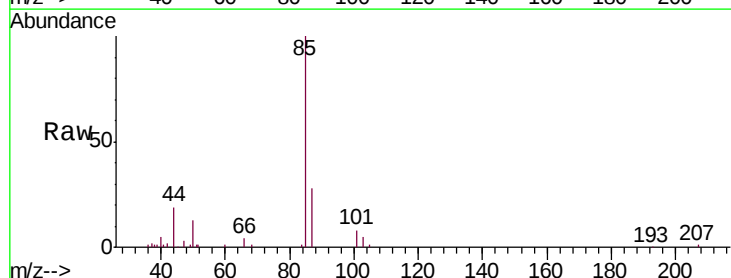
Acq: 07 Sep 2019 10:38

Tgt Ion: 85 Resp: 31603

Ion Ratio Lower Upper

85 100

87 27.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

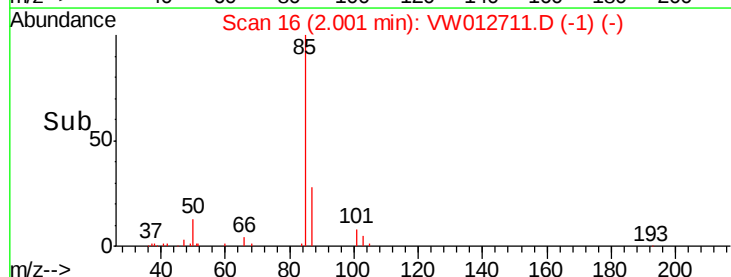
2.00

10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.407 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

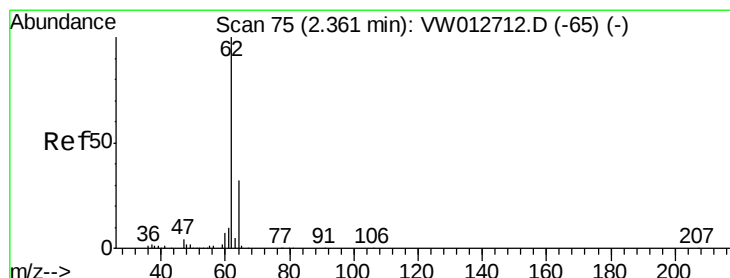
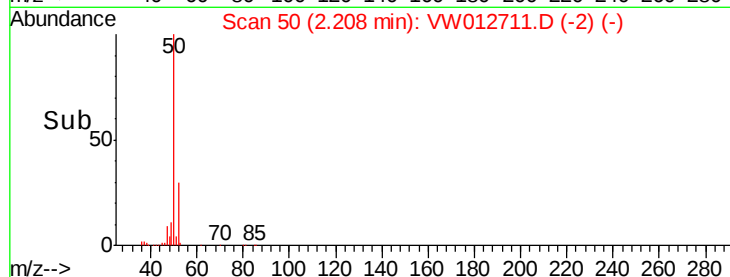
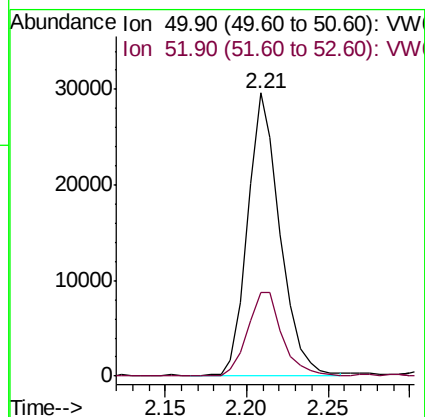
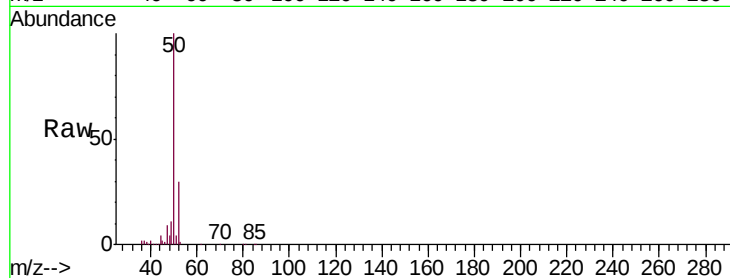
VSTDIC020

Tgt Ion: 50 Resp: 40591

Ion Ratio Lower Upper

50 100

52 29.8 24.2 36.2



#4

Vinyl Chloride

Concen: 20.529 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012711.D

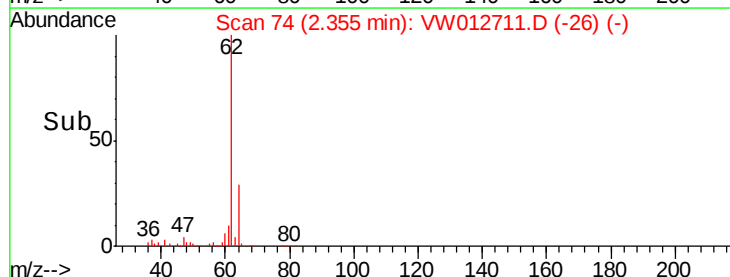
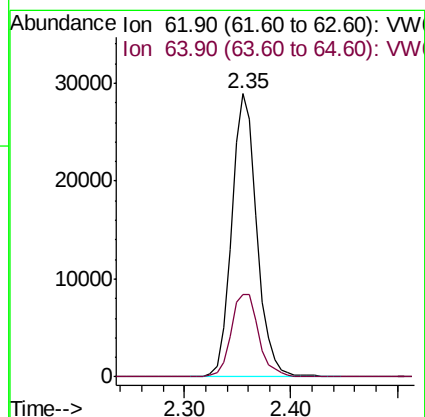
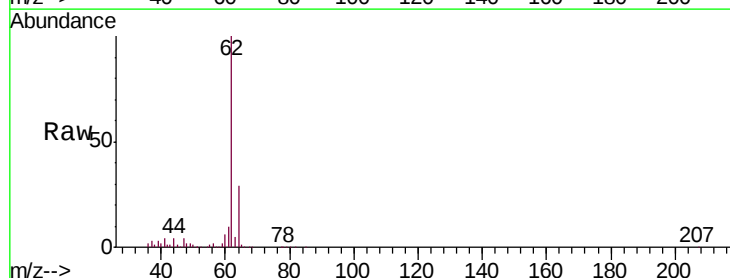
Acq: 07 Sep 2019 10:38

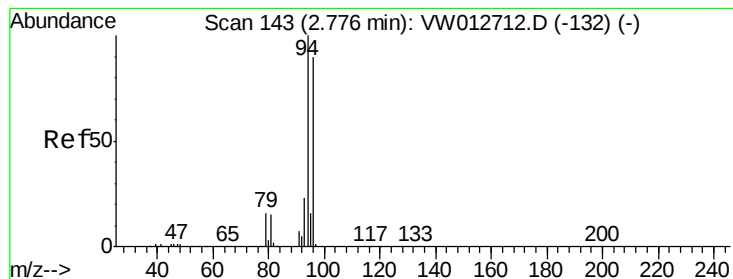
Tgt Ion: 62 Resp: 47730

Ion Ratio Lower Upper

62 100

64 28.9 25.3 37.9





#5

Bromomethane

Concen: 21.209 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

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MSVOA_W

ClientSampleId :

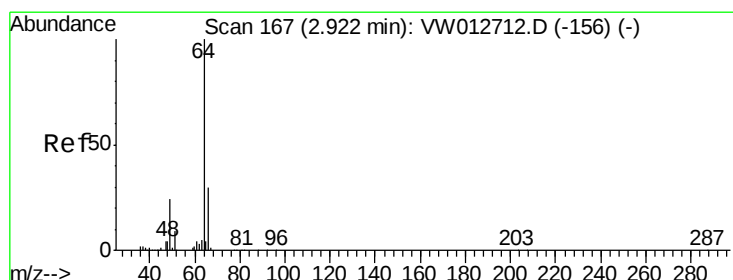
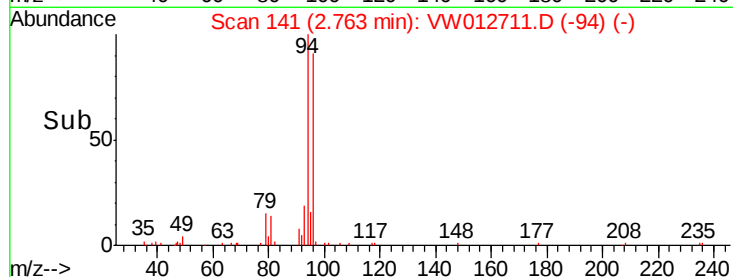
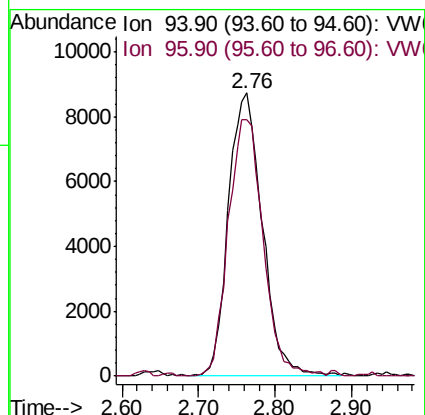
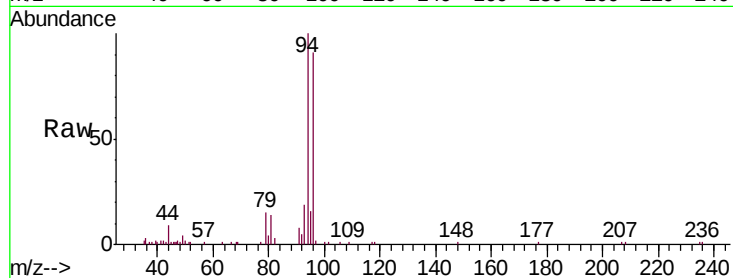
VSTDIC020

Tgt Ion: 94 Resp: 26777

Ion Ratio Lower Upper

94 100

96 90.6 72.1 108.1



#6

Chloroethane

Concen: 19.978 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012711.D

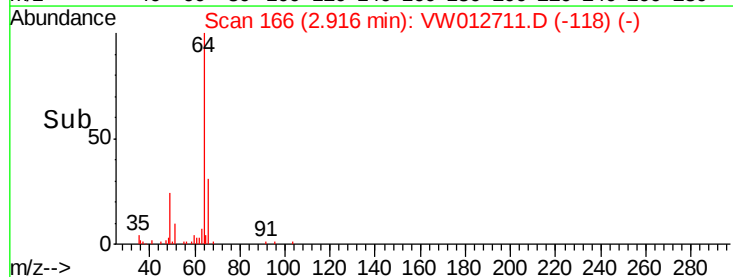
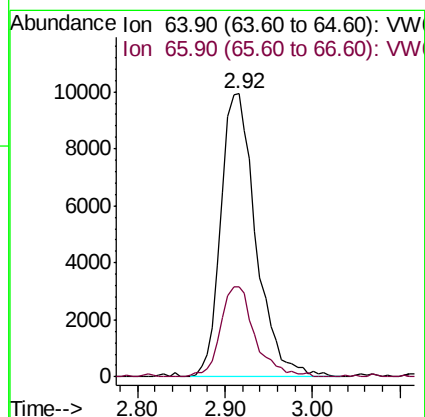
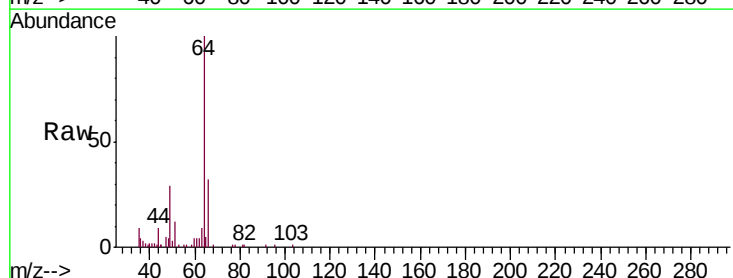
Acq: 07 Sep 2019 10:38

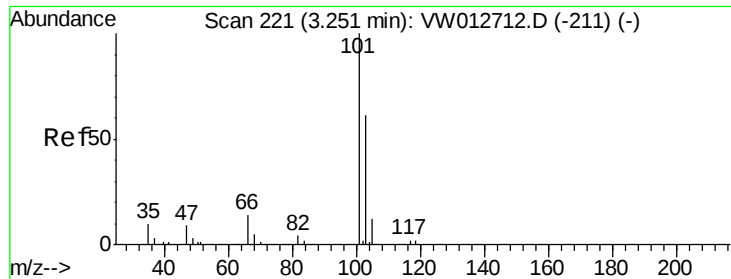
Tgt Ion: 64 Resp: 27718

Ion Ratio Lower Upper

64 100

66 31.7 23.8 35.6



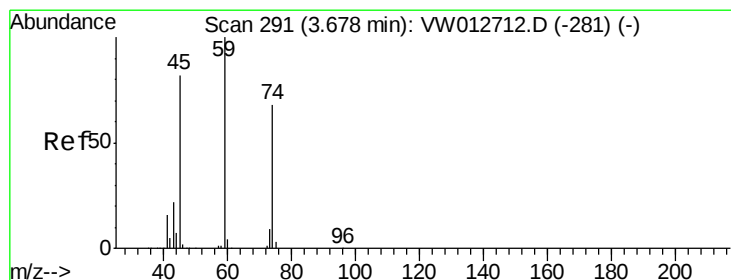
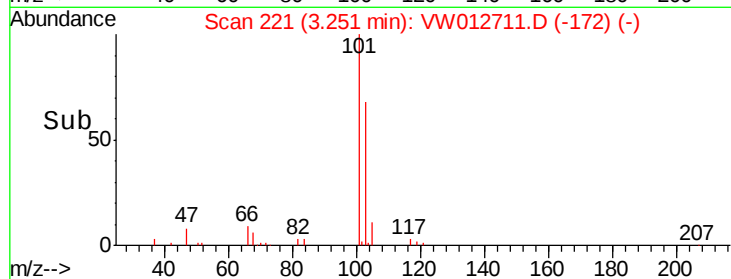
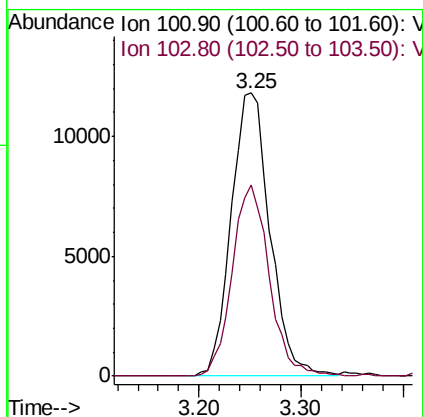
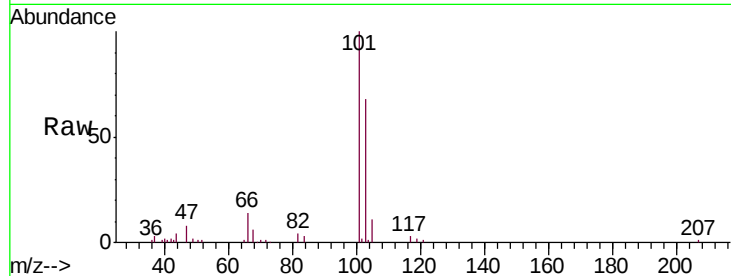


#7

Trichlorofluoromethane
 Concen: 19.385 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
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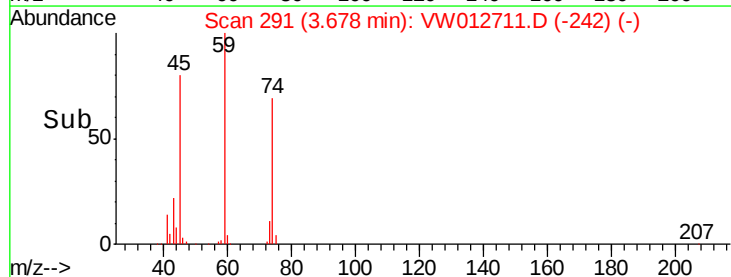
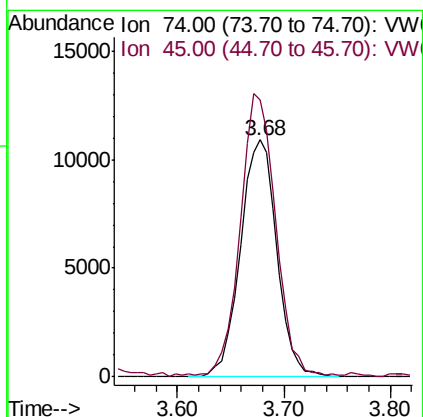
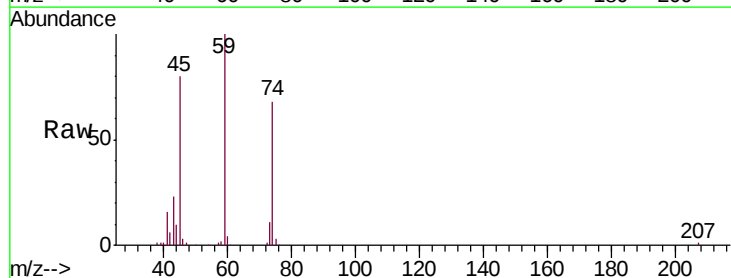
Tgt Ion:101 Resp: 31102
 Ion Ratio Lower Upper
 101 100
 103 67.6 49.0 73.4

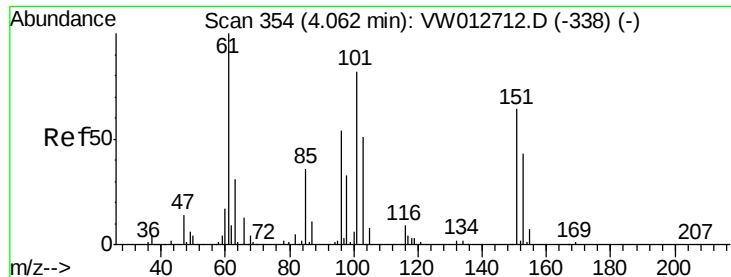


#8

Diethyl Ether
 Concen: 19.385 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion: 74 Resp: 26140
 Ion Ratio Lower Upper
 74 100
 45 114.5 58.8 176.4

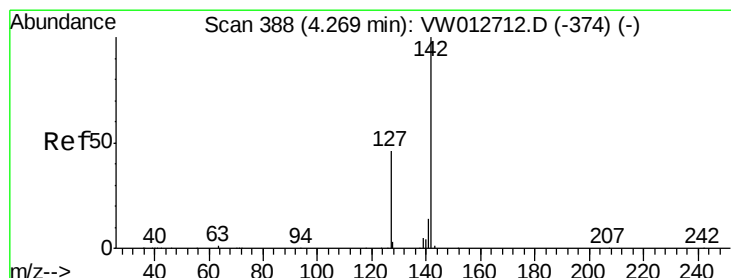
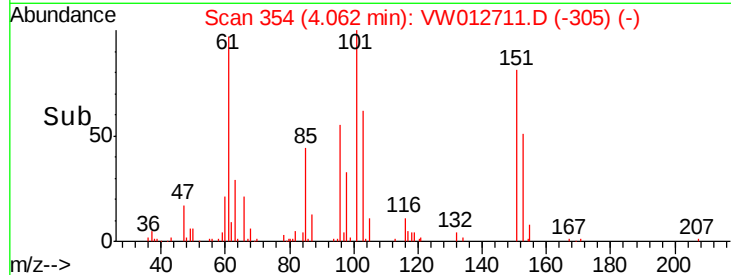
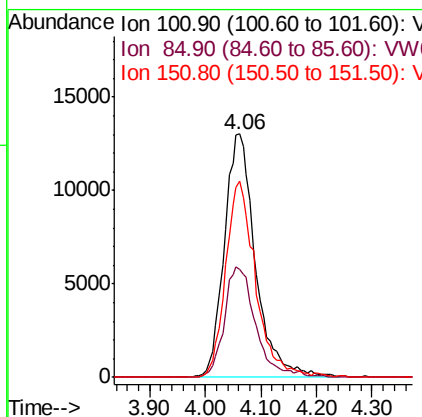
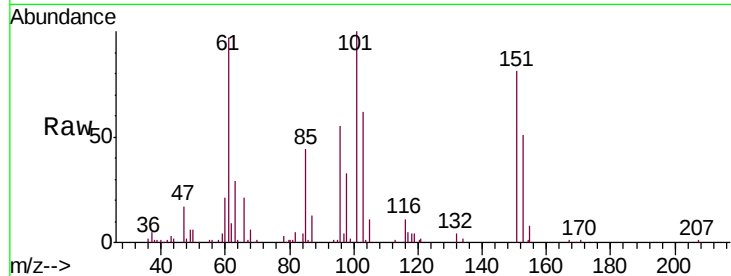




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.010 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
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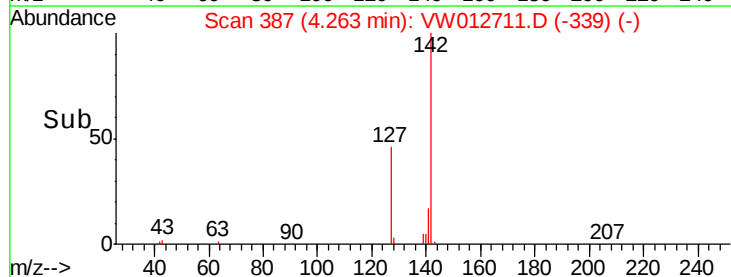
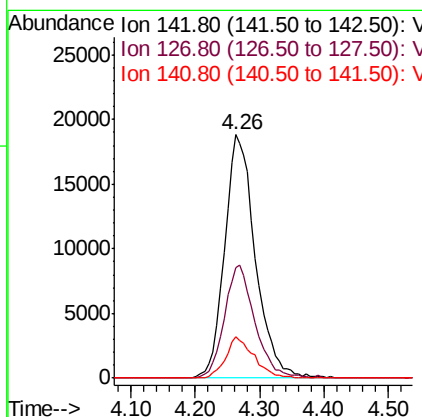
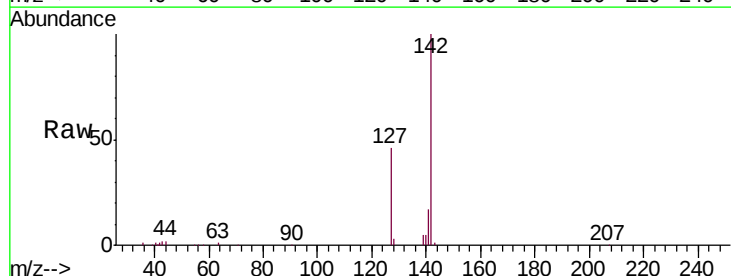
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

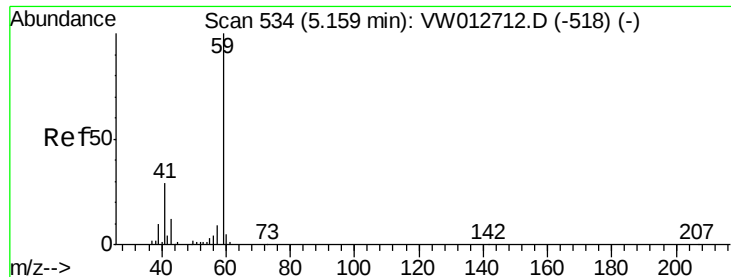
Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.2	54.2
151	77.4	61.9	92.9



#10
 Methyl Iodide
 Concen: 19.820 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.8	36.0	54.0
141	15.6	12.2	18.4

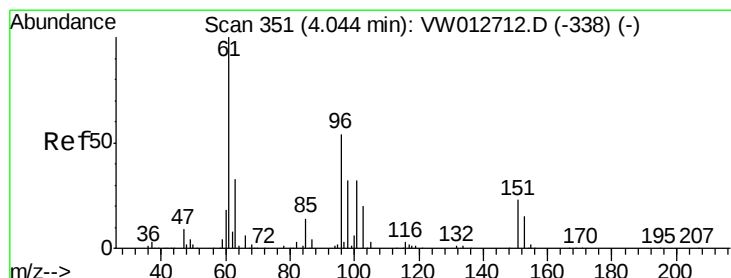
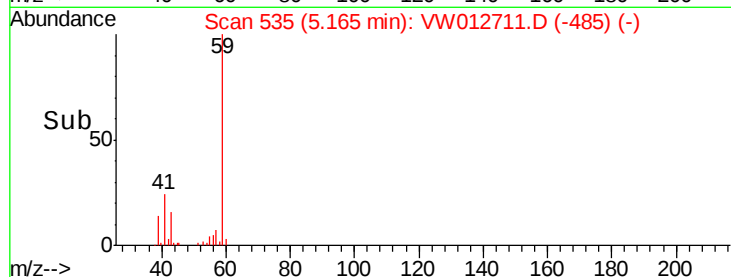
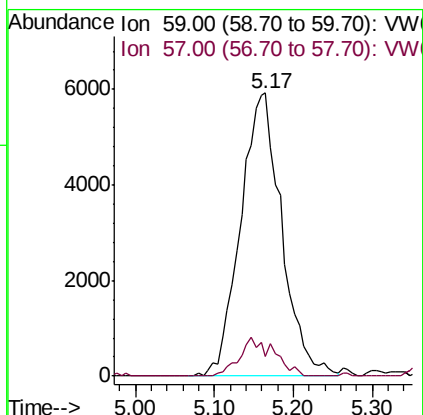
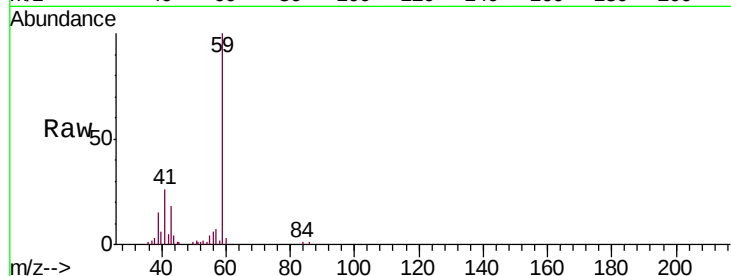




#11
Tert butyl alcohol
Concen: 87.527 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

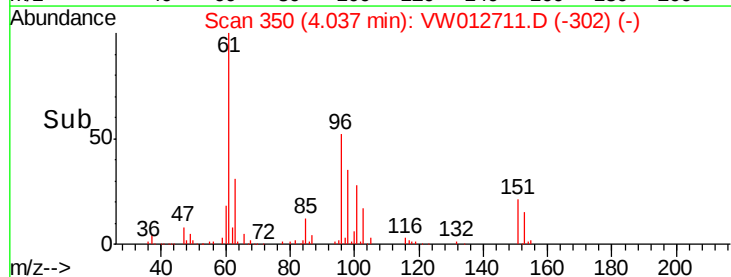
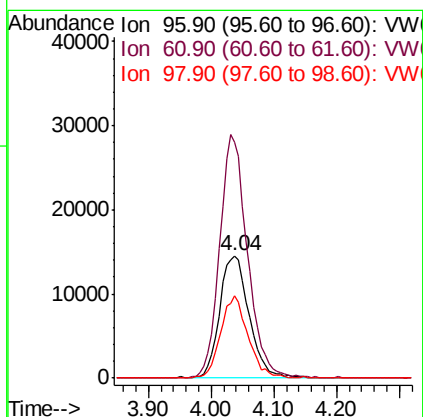
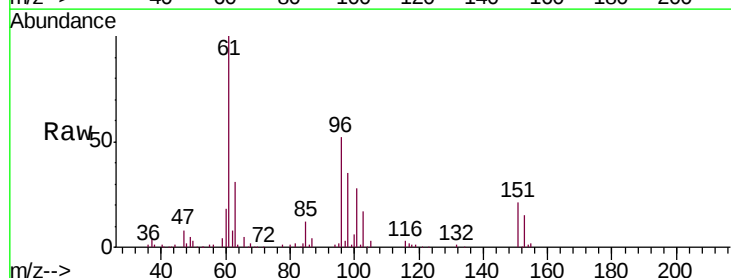
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

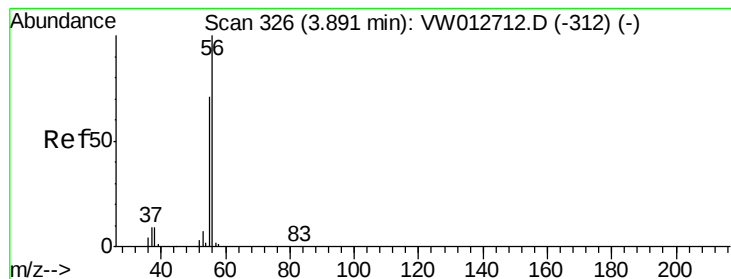
Tgt Ion: 59 Resp: 21535
Ion Ratio Lower Upper
59 100
57 11.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.908 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion: 96 Resp: 47316
Ion Ratio Lower Upper
96 100
61 193.4 147.8 221.6
98 66.9 47.9 71.9





#13

Acrolein

Concen: 92.106 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

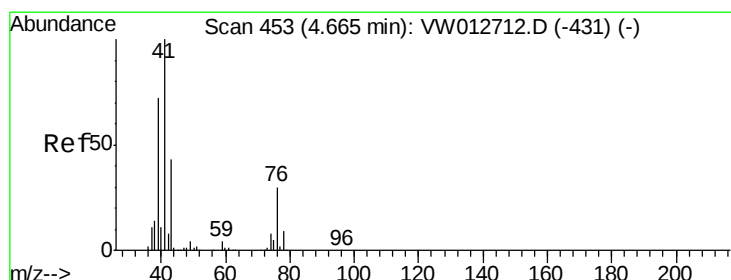
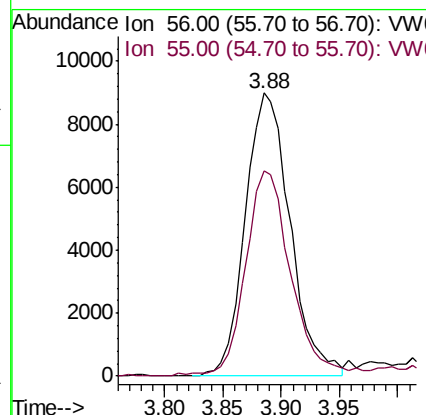
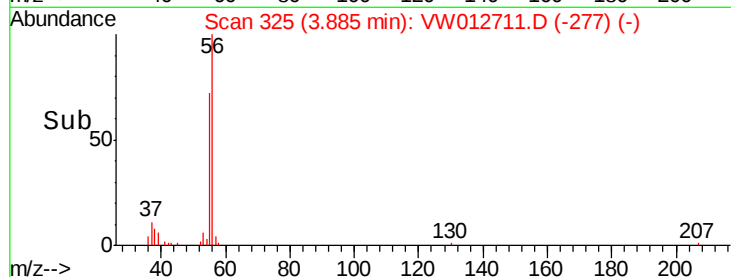
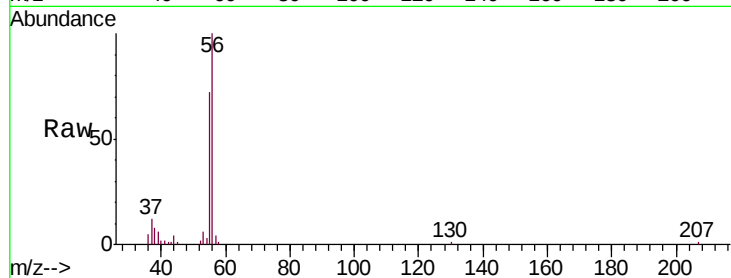
VSTDIC020

Tgt Ion: 56 Resp: 24048

Ion Ratio Lower Upper

56 100

55 73.9 56.9 85.3



#14

Allyl chloride

Concen: 19.751 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

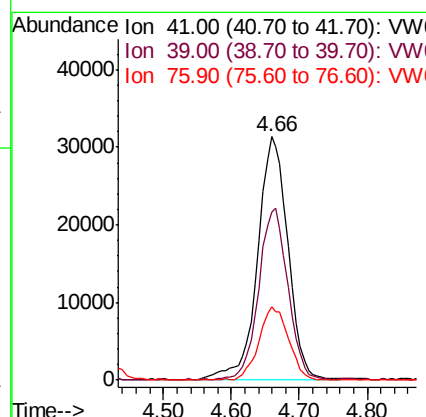
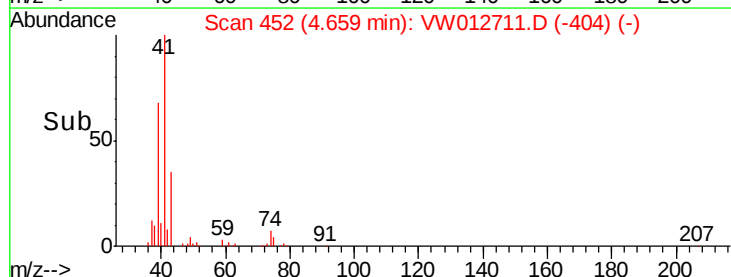
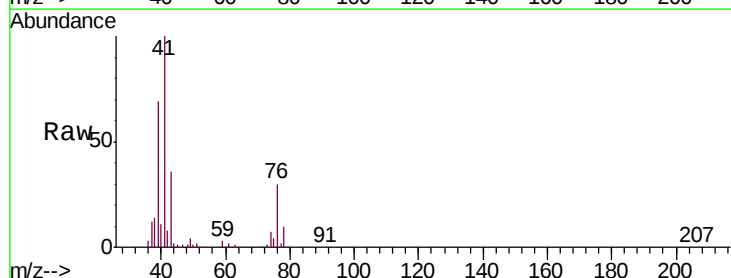
Tgt Ion: 41 Resp: 97110

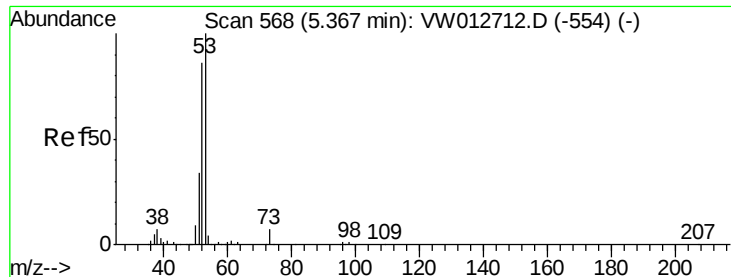
Ion Ratio Lower Upper

41 100

39 68.2 55.0 82.6

76 29.6 23.0 34.4





#15

Acrylonitrile

Concen: 86.931 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

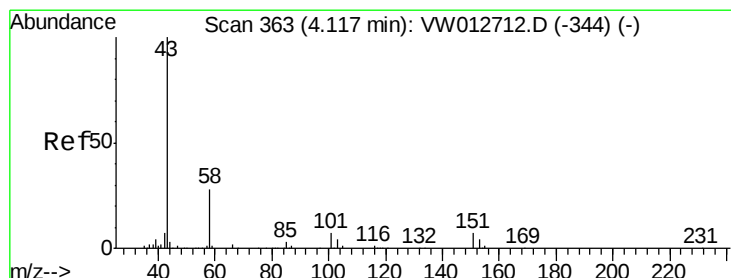
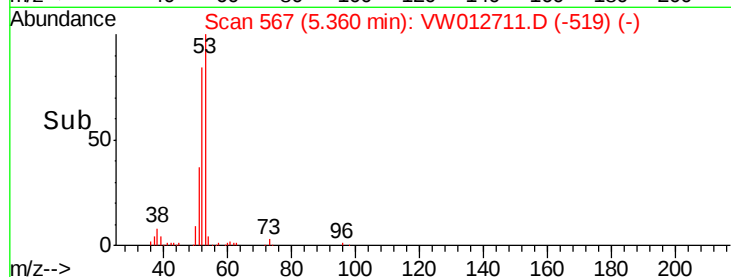
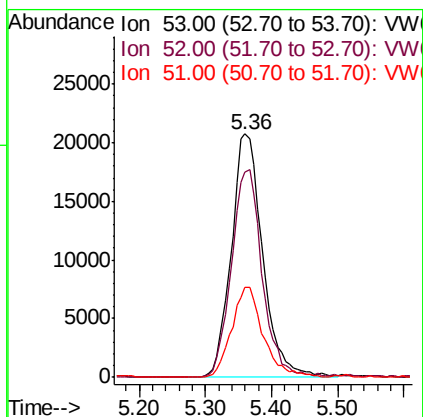
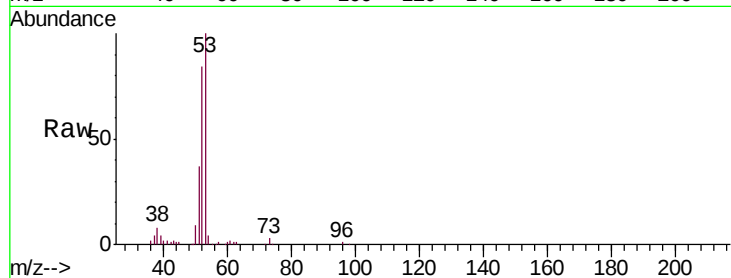
Tgt Ion: 53 Resp: 68467

Ion Ratio Lower Upper

53 100

52 83.1 67.0 100.4

51 37.3 29.8 44.8



#16

Acetone

Concen: 81.701 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW012711.D

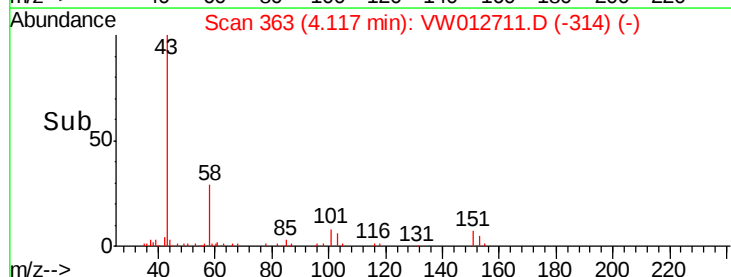
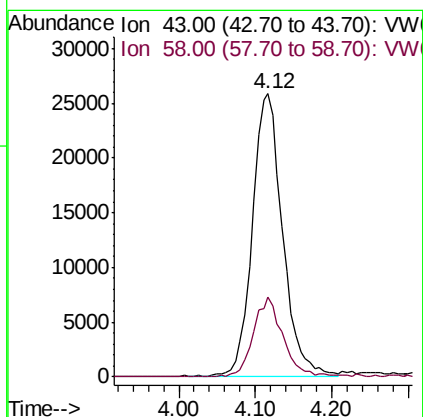
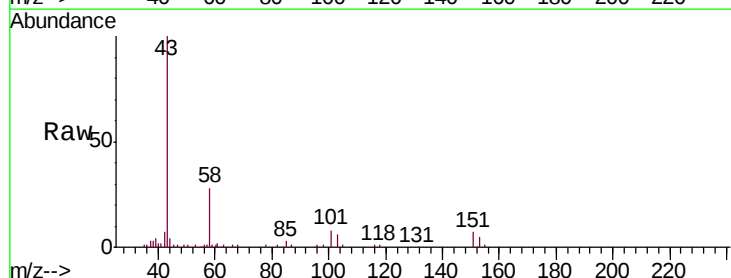
Acq: 07 Sep 2019 10:38

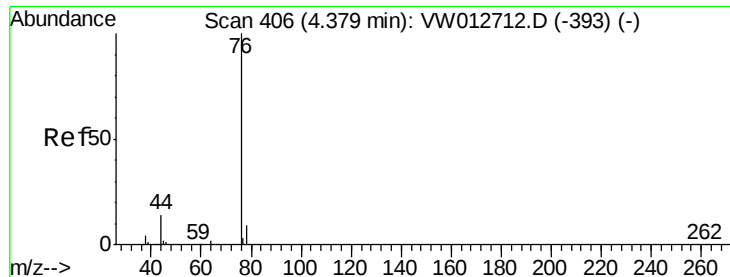
Tgt Ion: 43 Resp: 71625

Ion Ratio Lower Upper

43 100

58 28.4 22.6 33.8

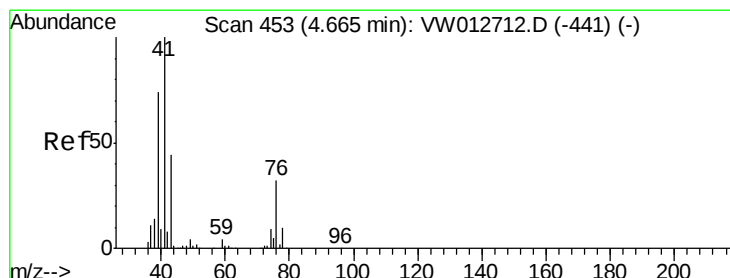
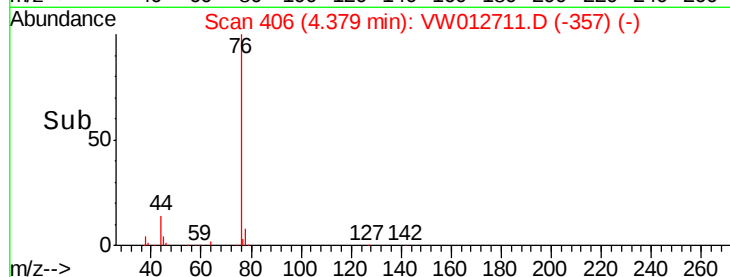
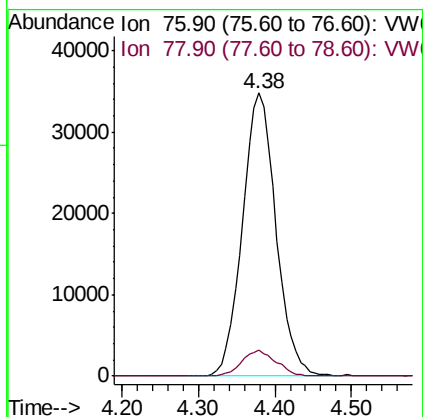
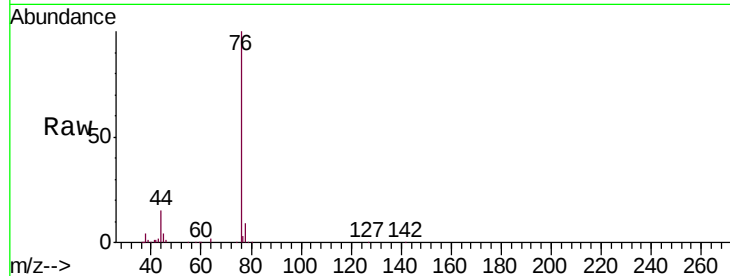




#17
Carbon Disulfide
Concen: 21.041 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

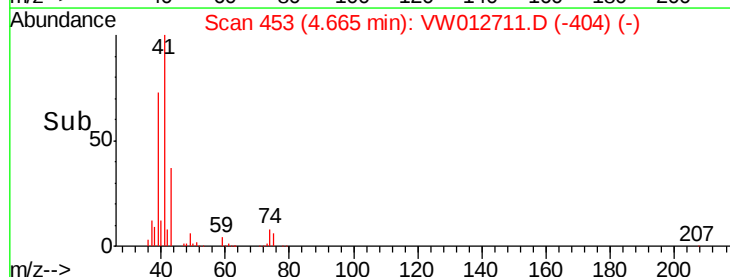
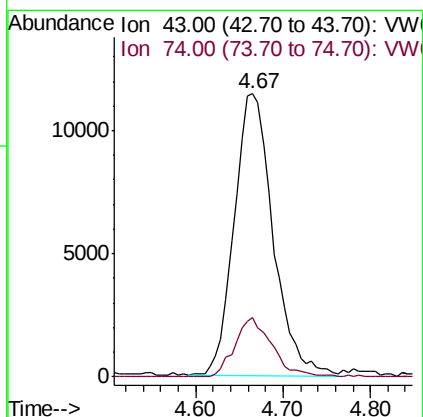
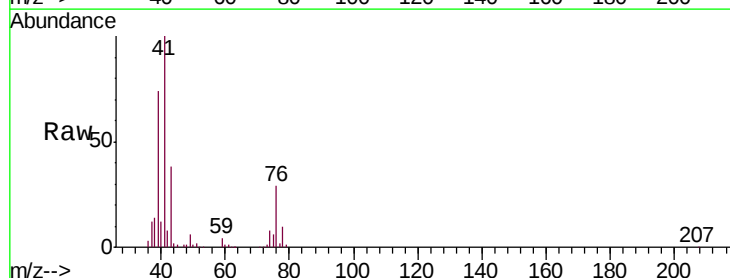
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

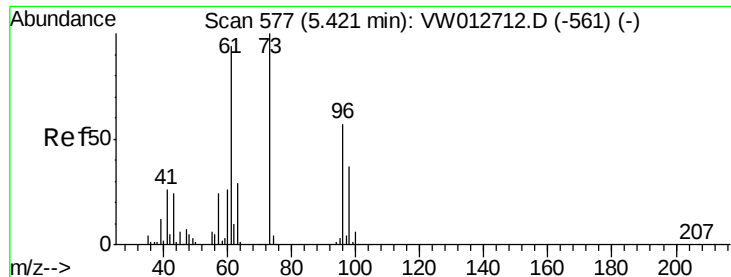
Tgt Ion: 76 Resp: 106151
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 17.244 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion: 43 Resp: 35468
Ion Ratio Lower Upper
43 100
74 19.9 15.8 23.6

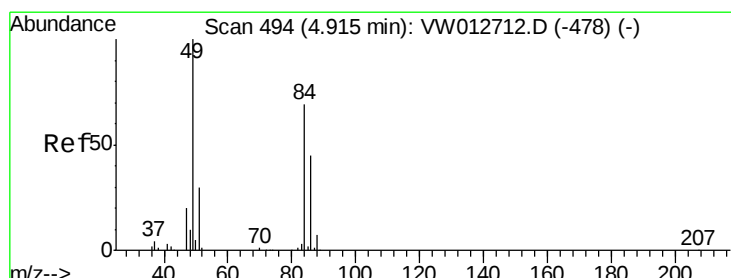
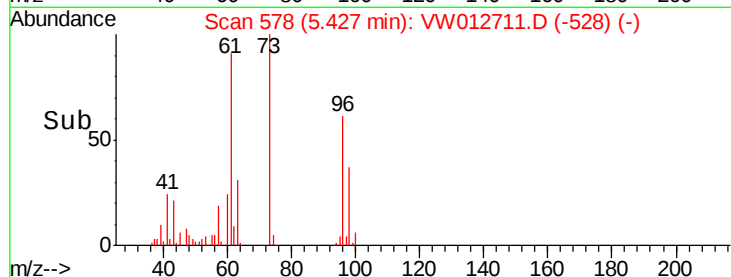
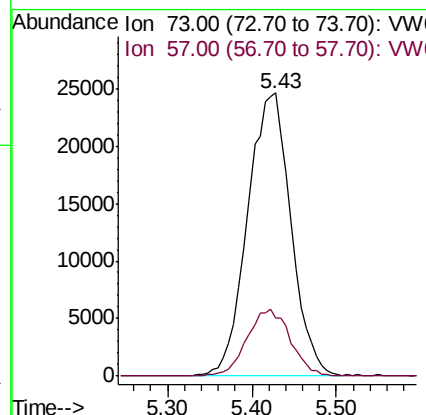
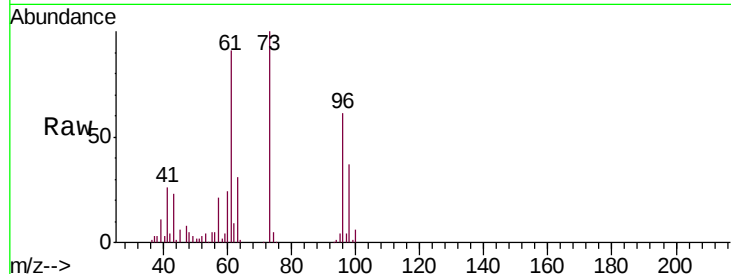




#19
Methyl tert-butyl Ether
Concen: 18.351 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

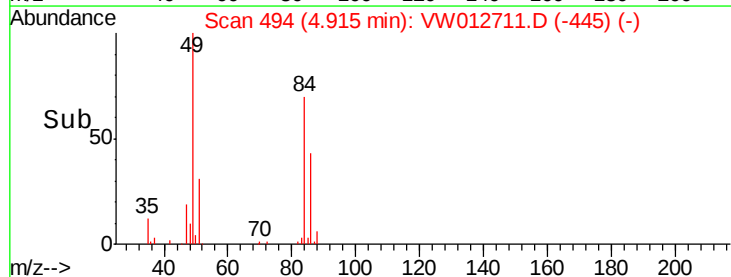
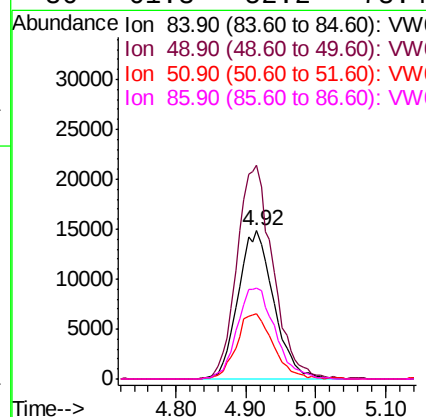
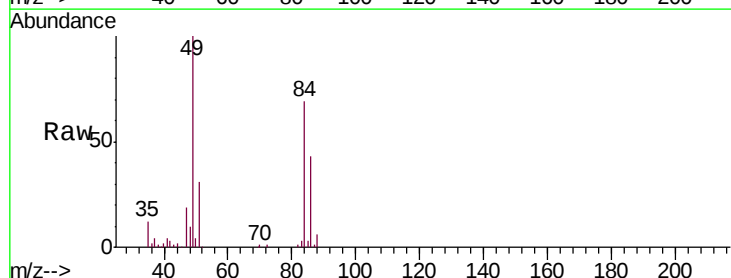
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

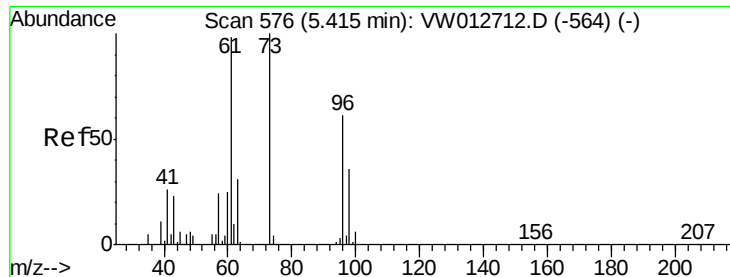
Tgt Ion: 73 Resp: 86500
Ion Ratio Lower Upper
73 100
57 20.5 19.2 28.8



#20
Methylene Chloride
Concen: 19.219 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion: 84 Resp: 52711
Ion Ratio Lower Upper
84 100
49 144.2 115.4 173.0
51 44.4 34.9 52.3
86 61.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.296 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

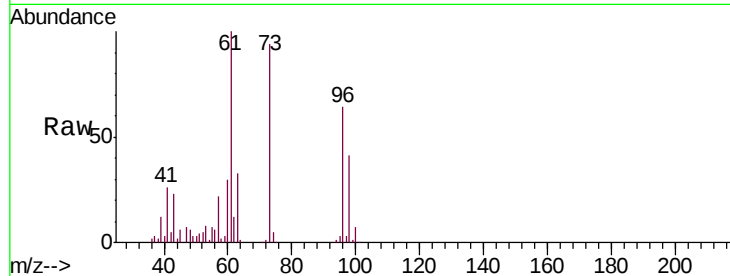
Tgt Ion: 96 Resp: 49221

Ion Ratio Lower Upper

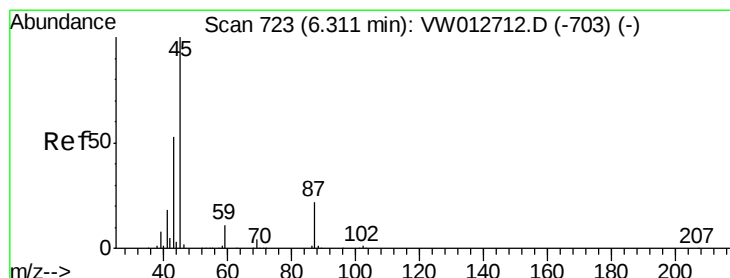
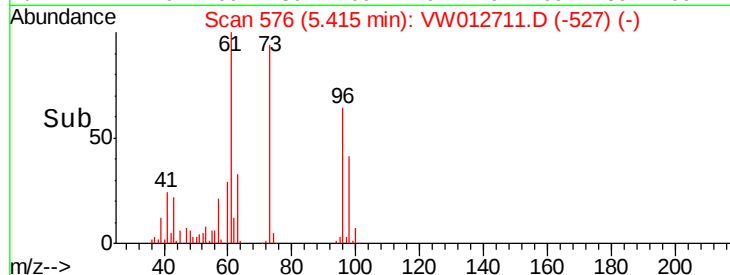
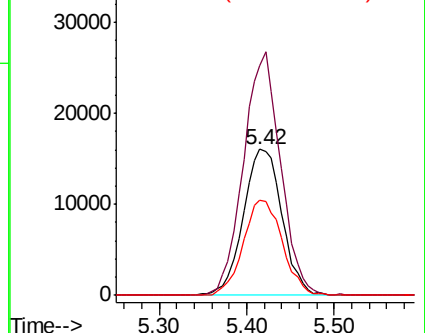
96 100

61 156.9 129.2 193.8

98 65.1 48.0 72.0



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



#22

Diisopropyl ether

Concen: 18.678 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Tgt Ion: 45 Resp: 182140

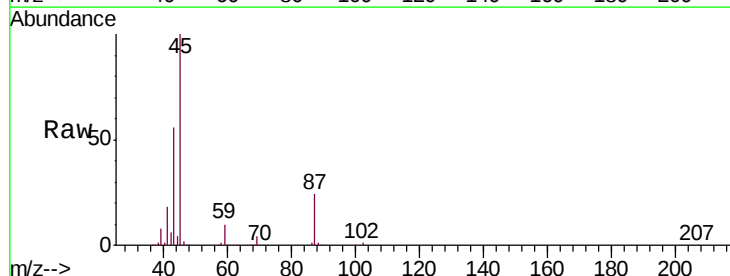
Ion Ratio Lower Upper

45 100

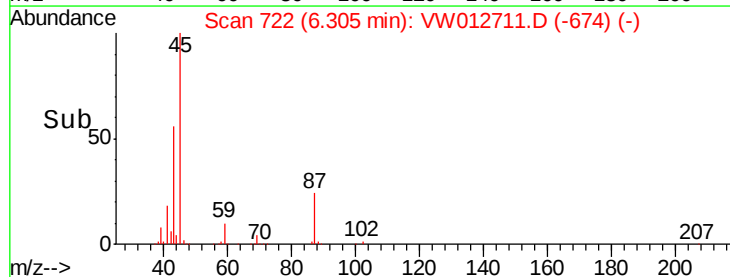
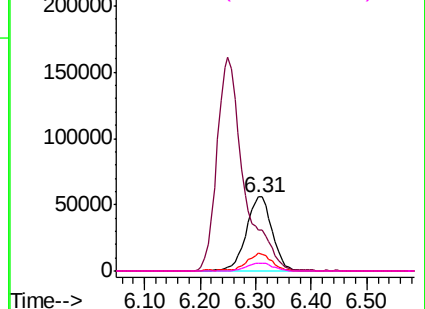
43 55.8 42.3 63.5

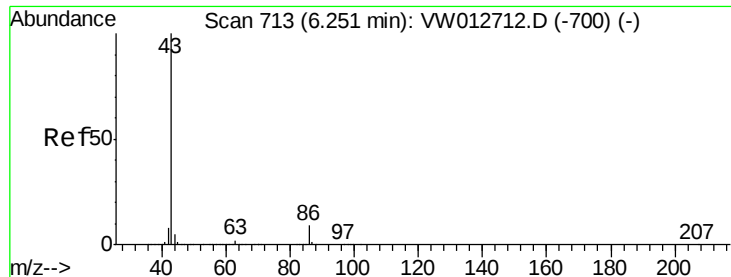
87 24.0 18.2 27.2

59 10.3 8.5 12.7



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





#23

Vinyl Acetate

Concen: 87.478 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

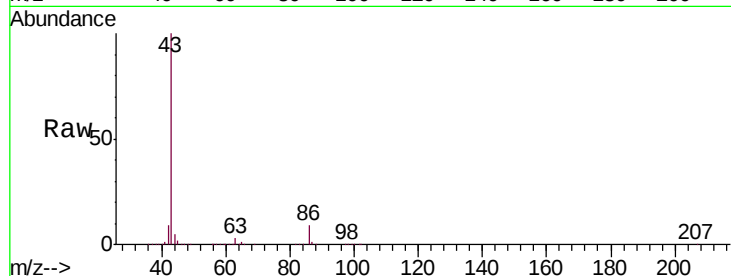
VSTDIC020

Tgt Ion: 43 Resp: 540614

Ion Ratio Lower Upper

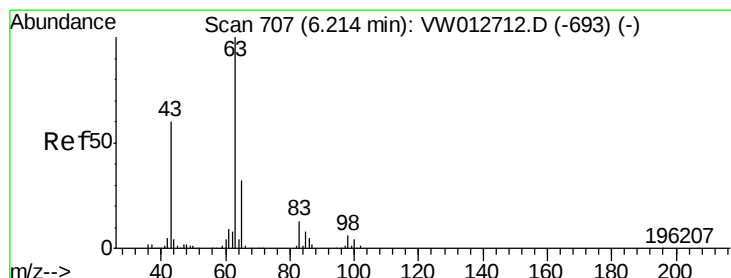
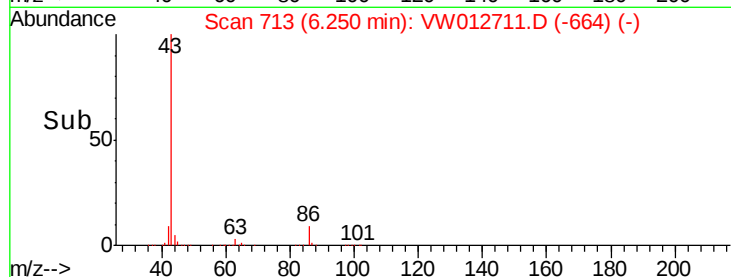
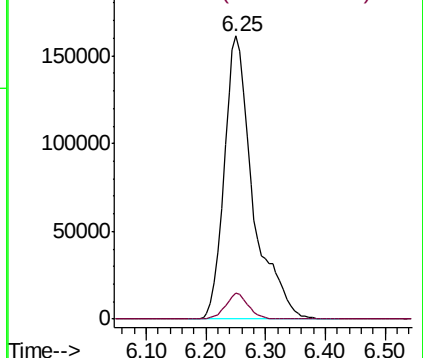
43 100

86 9.4 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.428 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

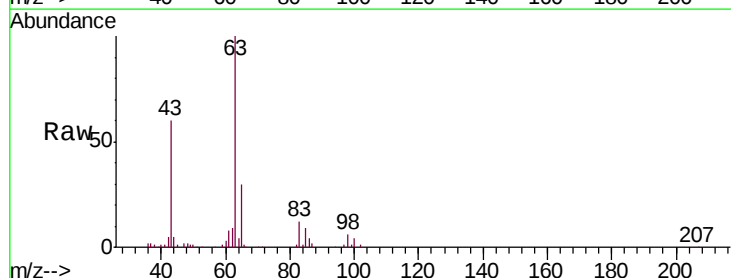
Tgt Ion: 63 Resp: 102008

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.3

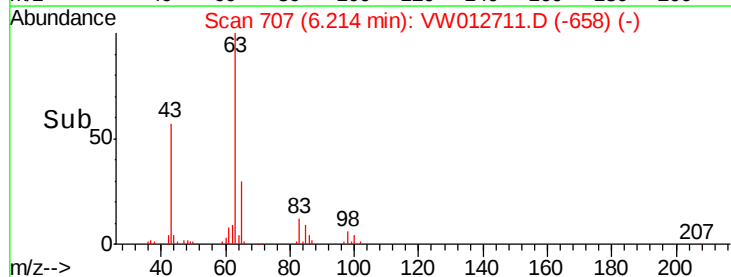
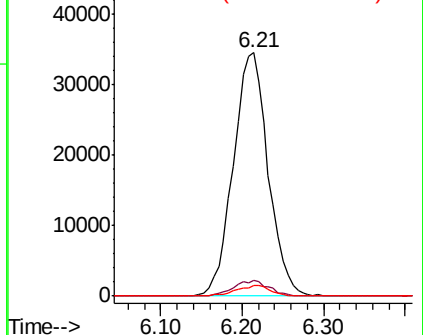
100 4.5 1.8 5.5

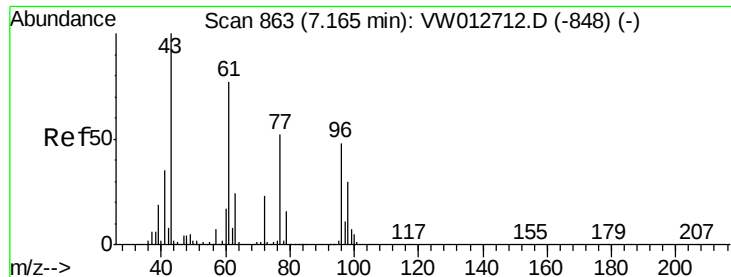


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 85.245 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

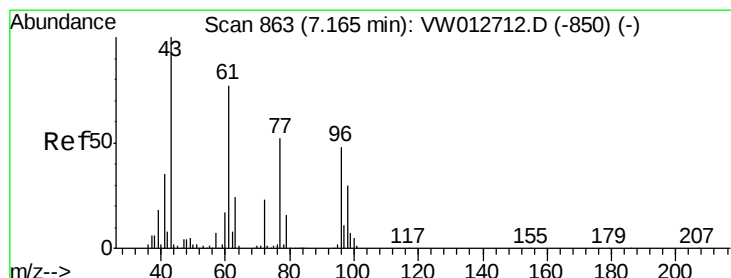
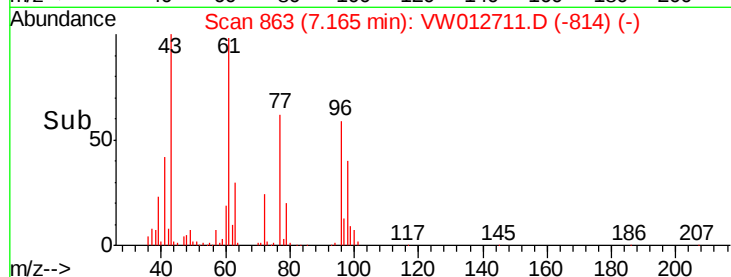
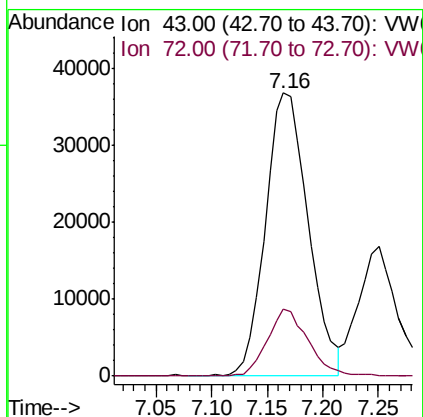
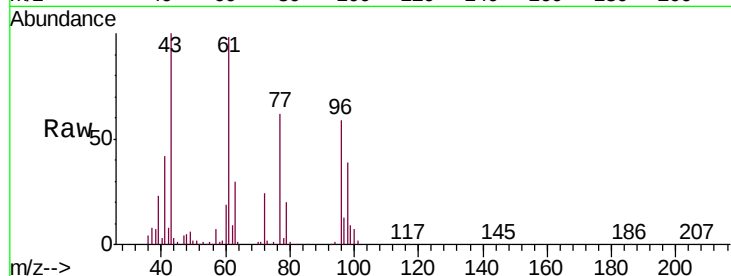
VSTDIC020

Tgt Ion: 43 Resp: 98644

Ion Ratio Lower Upper

43 100

72 23.9 18.0 27.0



#26

2,2-Dichloropropane

Concen: 20.064 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012711.D

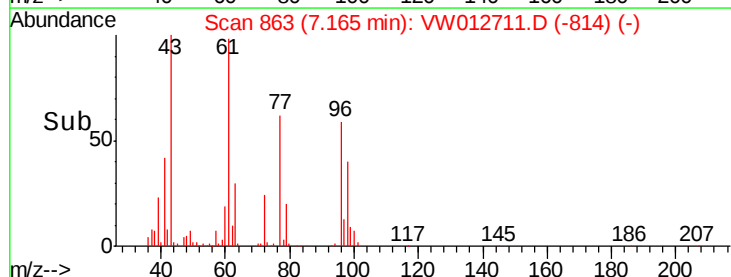
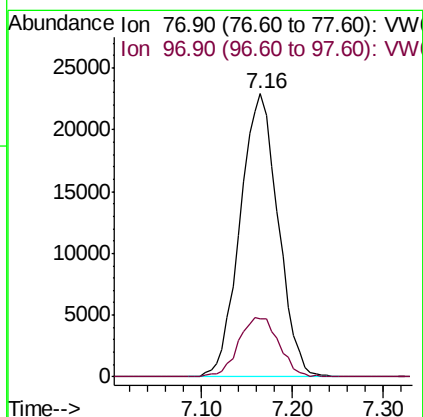
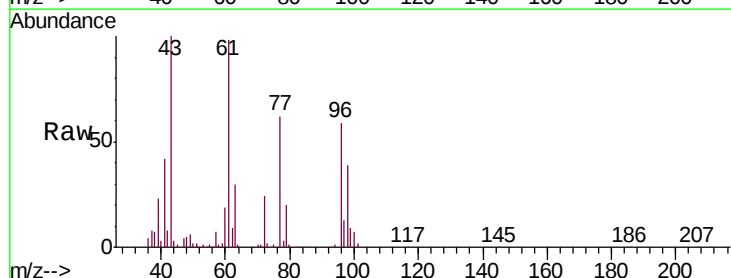
Acq: 07 Sep 2019 10:38

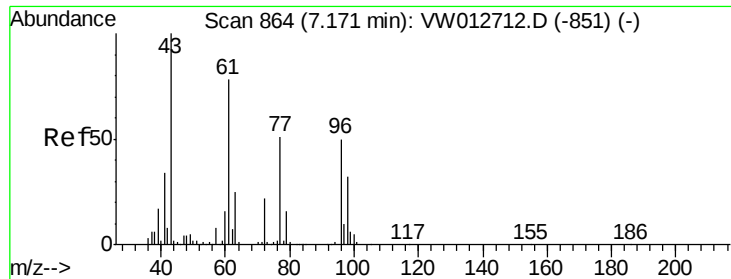
Tgt Ion: 77 Resp: 66539

Ion Ratio Lower Upper

77 100

97 22.2 10.7 32.1

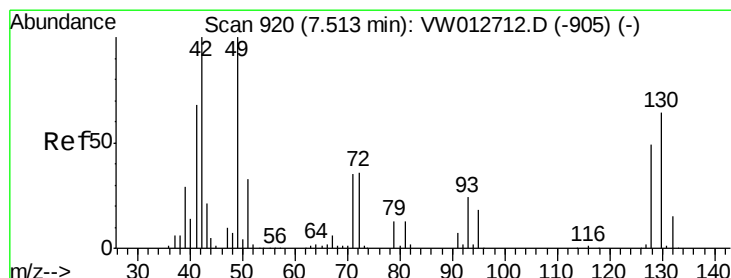
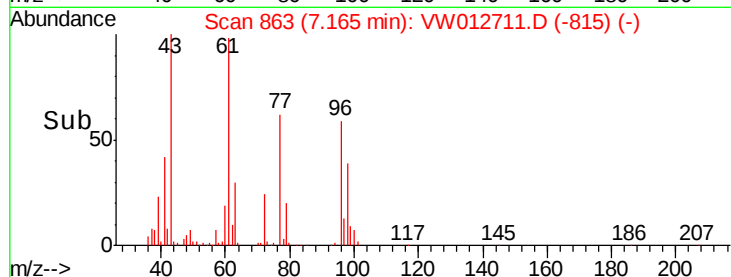
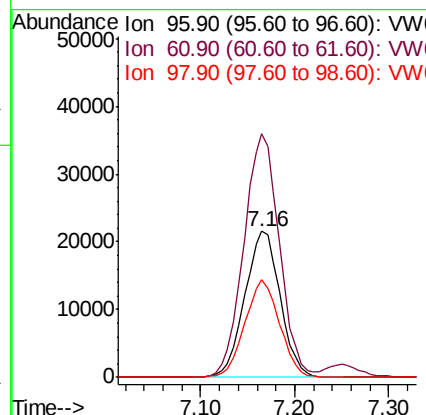
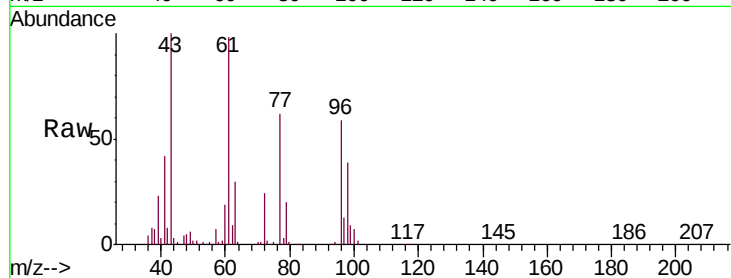




#27
 cis-1,2-Dichloroethene
 Concen: 20.053 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

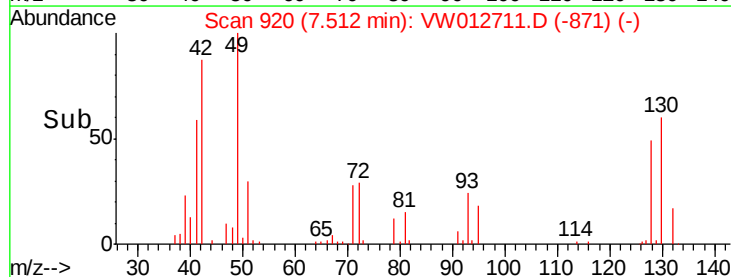
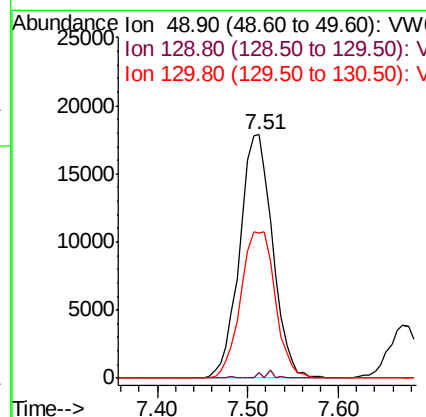
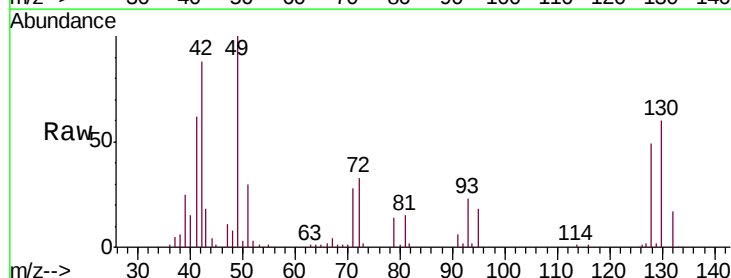
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

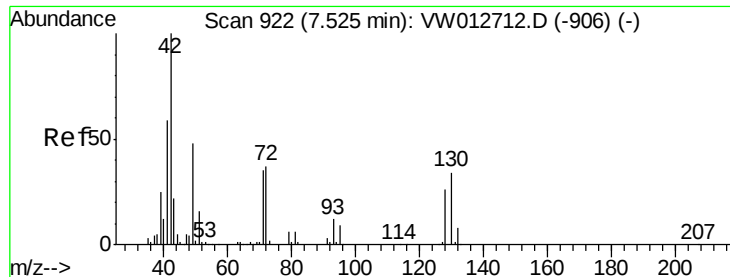
Tgt Ion: 96 Resp: 56388
 Ion Ratio Lower Upper
 96 100
 61 167.3 0.0 325.8
 98 65.5 0.0 127.0



#28
 Bromochloromethane
 Concen: 18.731 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion: 49 Resp: 45159
 Ion Ratio Lower Upper
 49 100
 129 0.3 0.0 0.8
 130 62.8 49.8 74.8

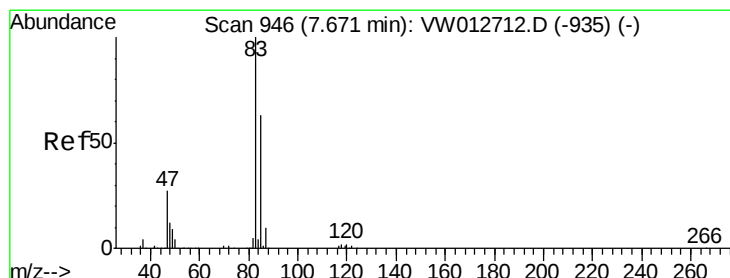
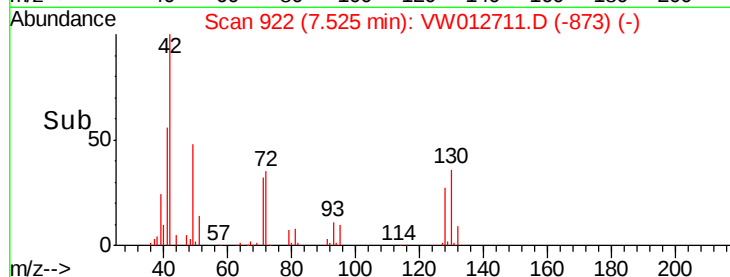
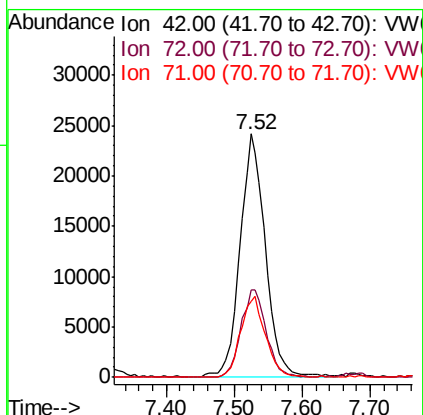
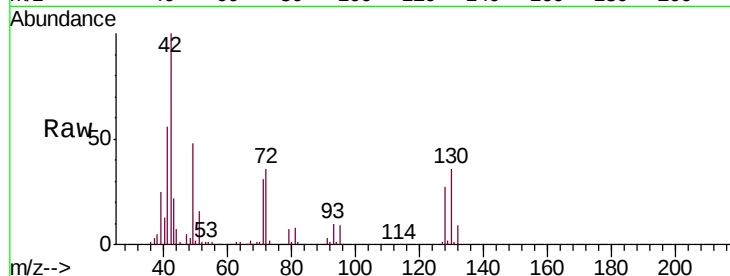




#29
Tetrahydrofuran
Concen: 88.273 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

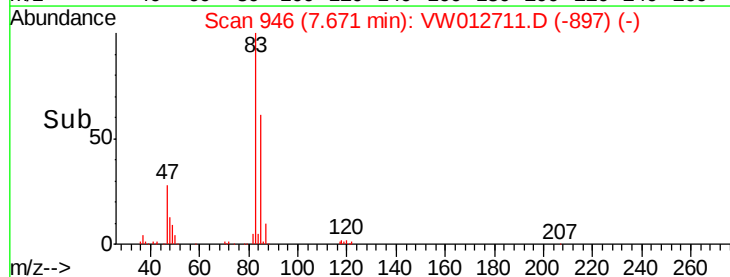
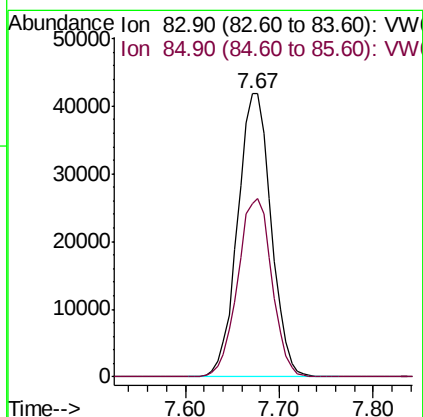
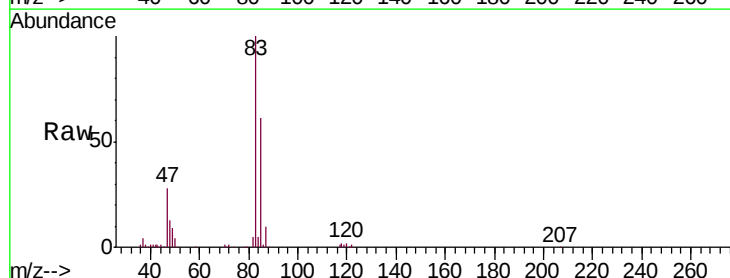
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

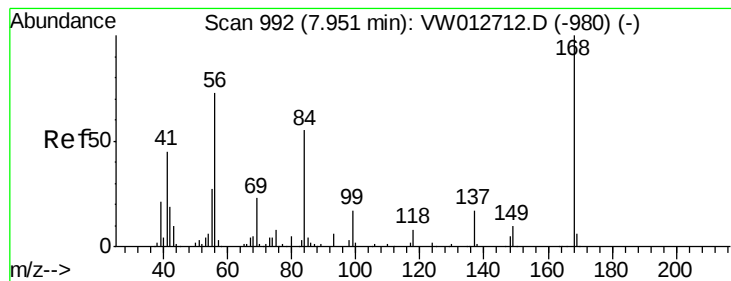
Tgt Ion: 42 Resp: 62493
Ion Ratio Lower Upper
42 100
72 36.0 28.4 42.6
71 32.4 27.1 40.7



#30
Chloroform
Concen: 19.982 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion: 83 Resp: 103981
Ion Ratio Lower Upper
83 100
85 61.4 50.6 76.0





#31

Cyclohexane

Concen: 20.046 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

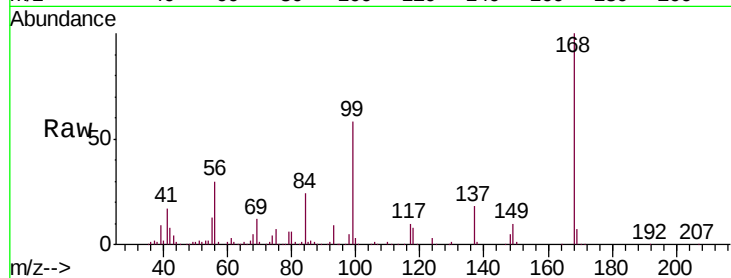
Tgt Ion: 56 Resp: 94758

Ion Ratio Lower Upper

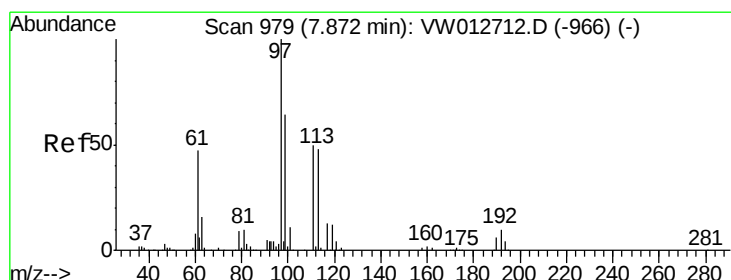
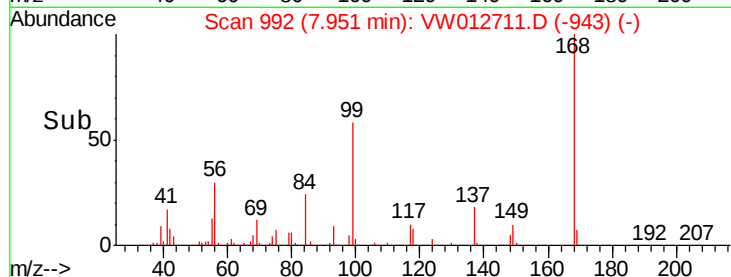
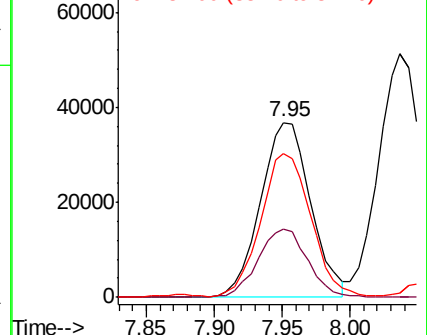
56 100

69 39.0 25.7 38.5#

84 81.2 60.4 90.6



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: 19.917 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

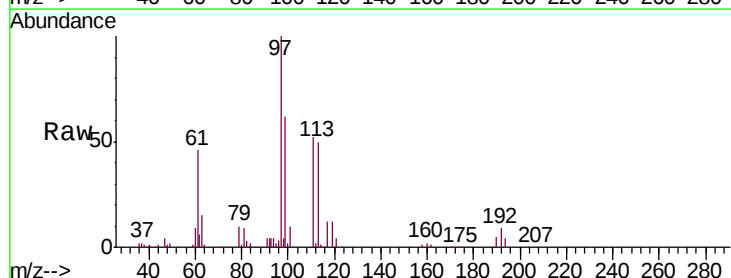
Tgt Ion: 97 Resp: 84011

Ion Ratio Lower Upper

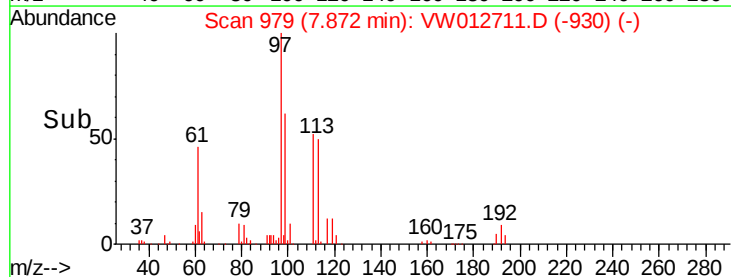
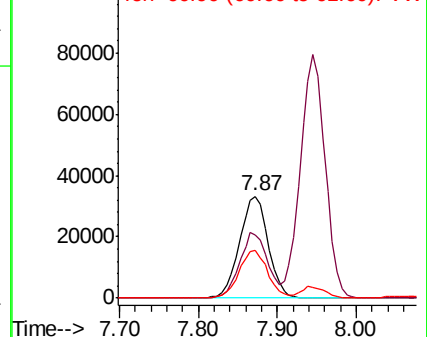
97 100

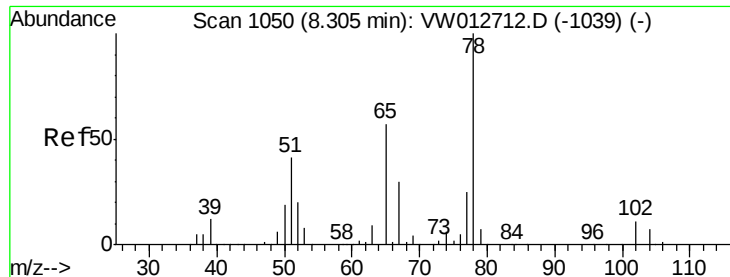
99 62.2 51.5 77.3

61 46.6 37.9 56.9



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

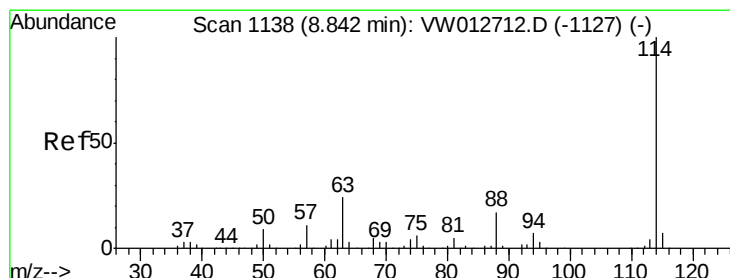
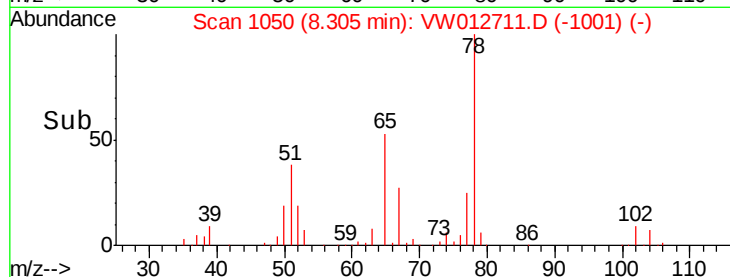
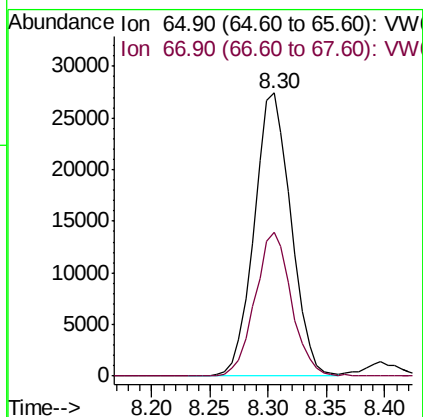
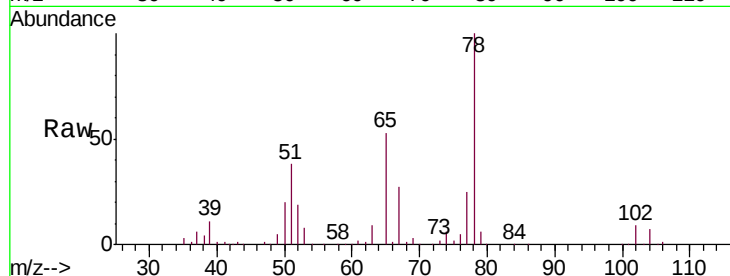




#33
 1,2-Dichloroethane-d4
 Concen: 18.813 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

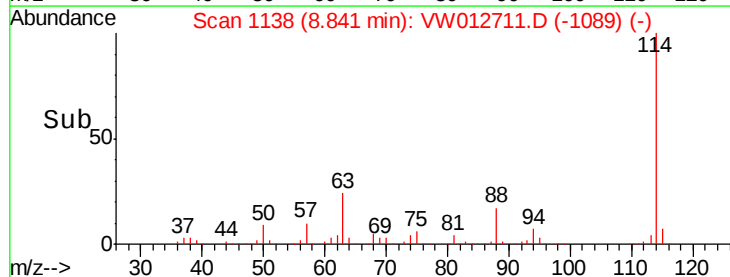
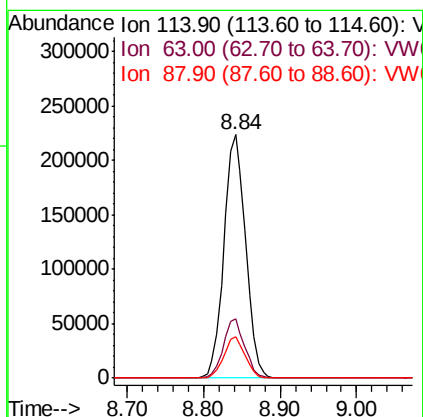
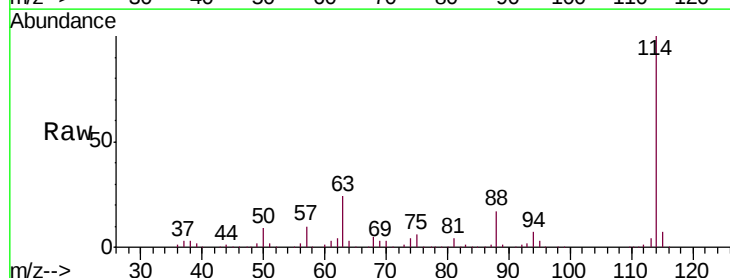
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

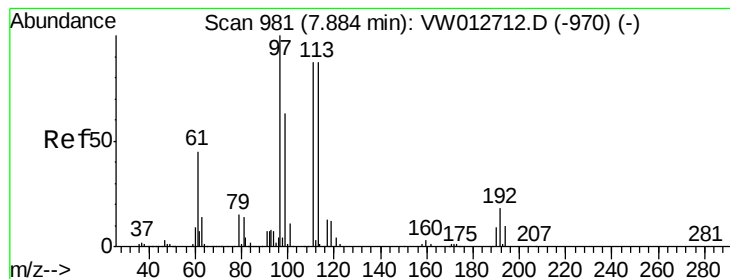
Tgt Ion: 65 Resp: 60499
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion: 114 Resp: 436185
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 47.2
 88 17.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 18.745 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

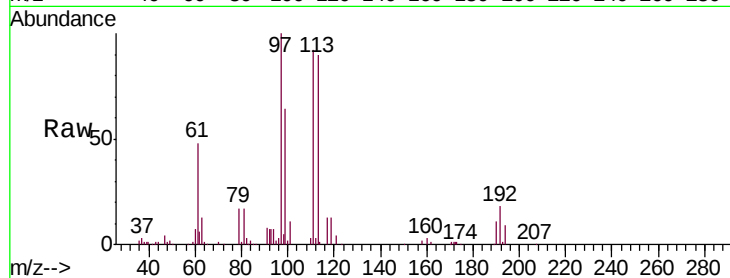
Tgt Ion: 113 Resp: 48611

Ion Ratio Lower Upper

113 100

111 105.2 80.2 120.4

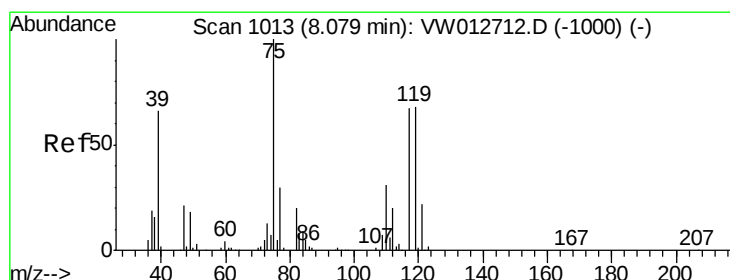
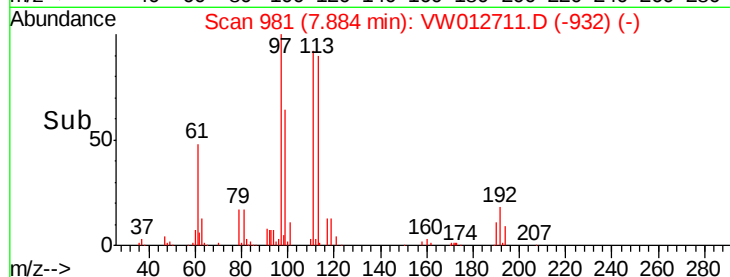
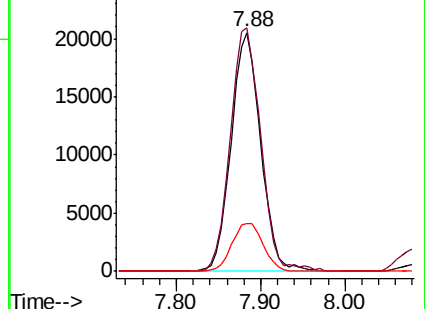
192 21.2 17.3 25.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.556 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

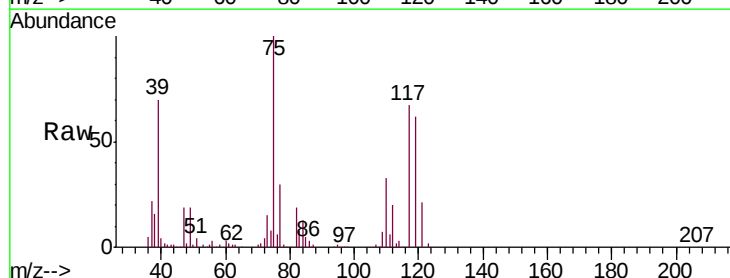
Tgt Ion: 75 Resp: 75792

Ion Ratio Lower Upper

75 100

110 32.2 15.9 47.7

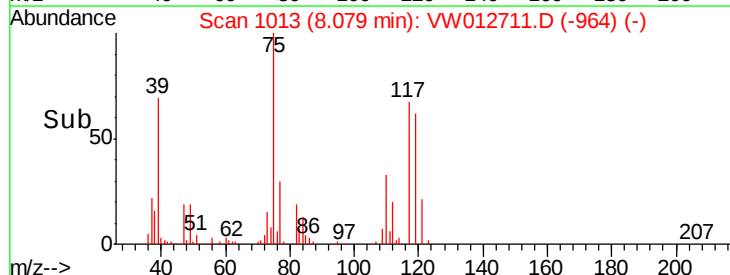
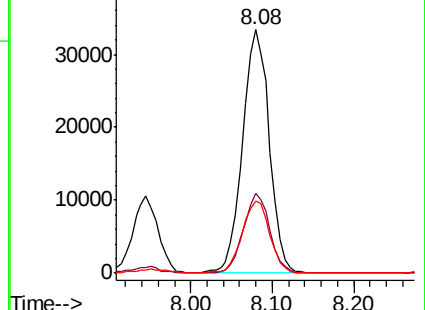
77 30.6 25.0 37.4

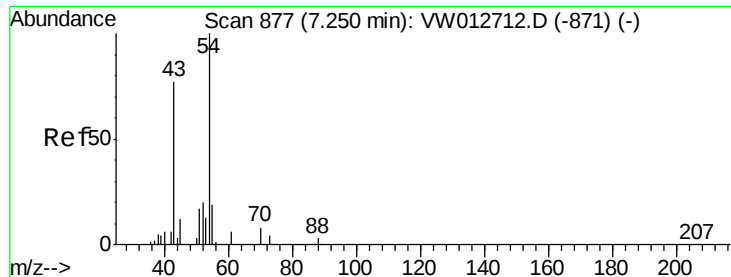


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

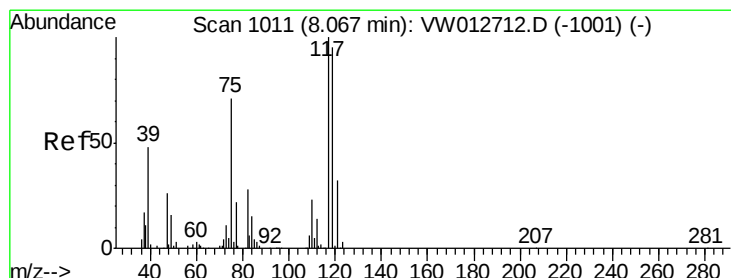
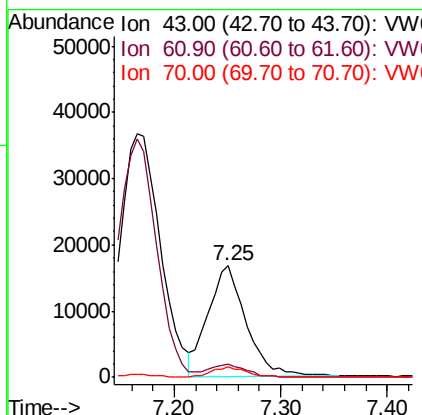
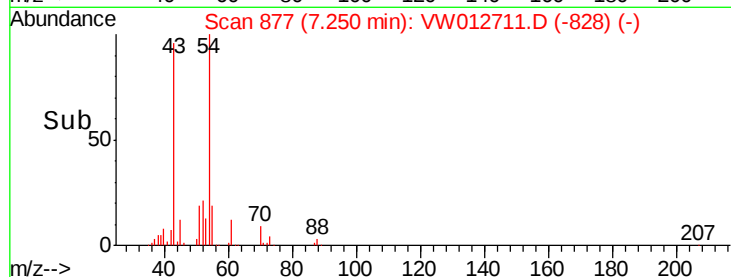
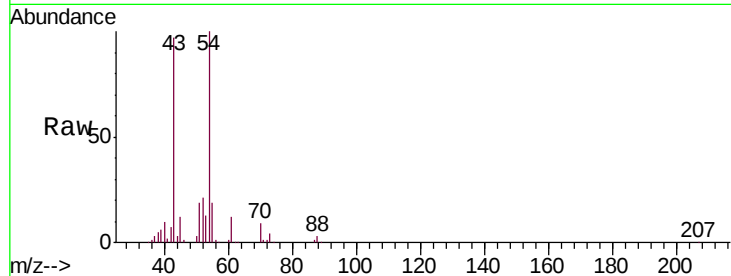




#37
Ethyl Acetate
Concen: 16.615 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

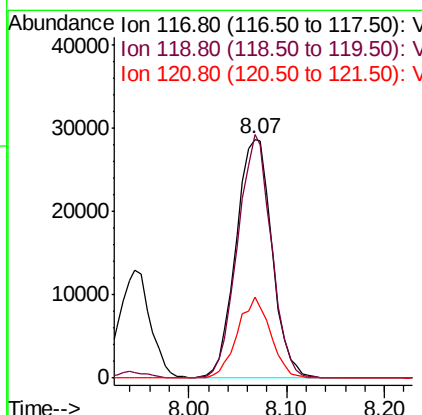
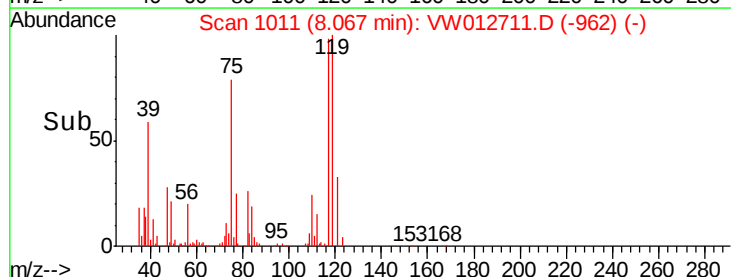
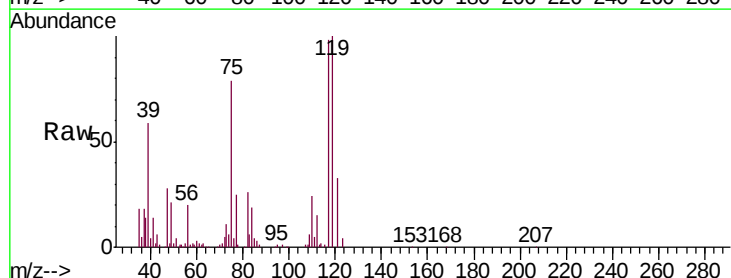
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

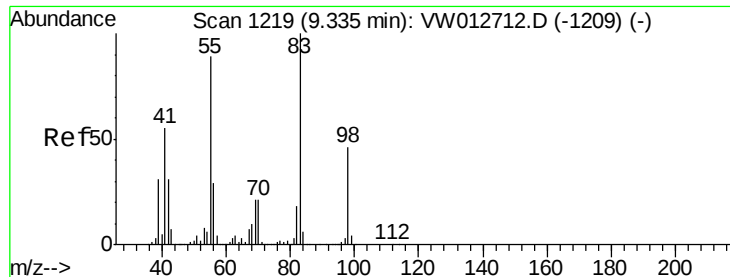
Tgt Ion: 43 Resp: 41049
Ion Ratio Lower Upper
43 100
61 12.1 9.5 14.3
70 9.0 7.0 10.6



#38
Carbon Tetrachloride
Concen: 19.217 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion: 117 Resp: 73416
Ion Ratio Lower Upper
117 100
119 102.0 76.2 114.2
121 34.1 25.4 38.2

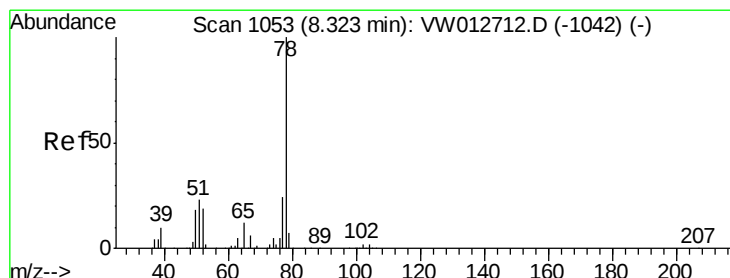
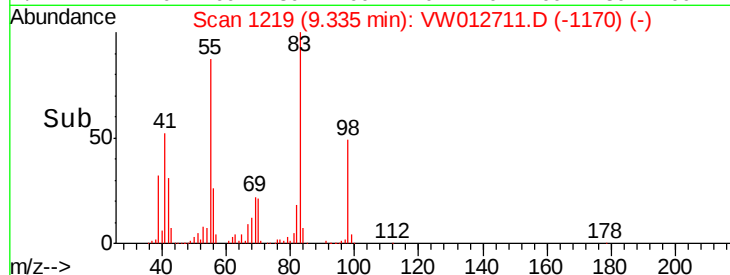
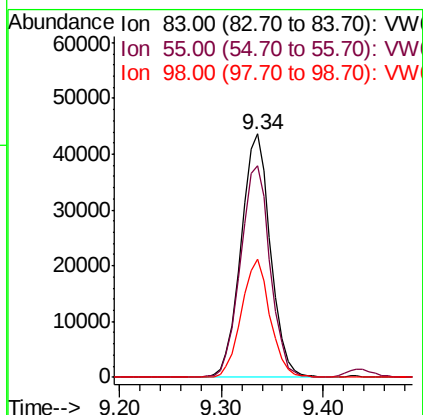
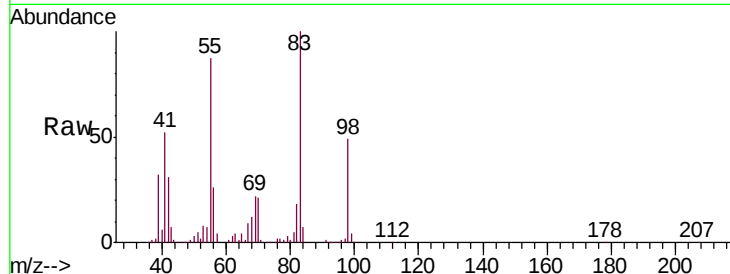




#39
Methylcyclohexane
Concen: 20.112 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

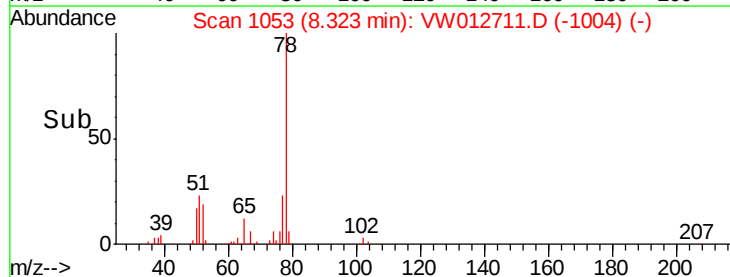
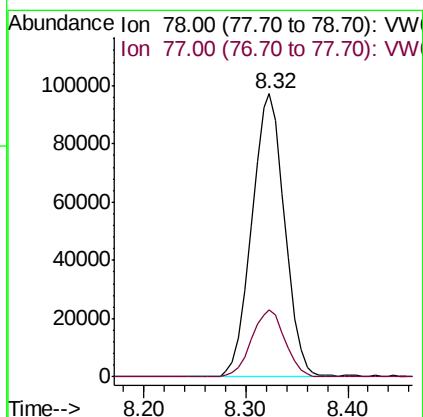
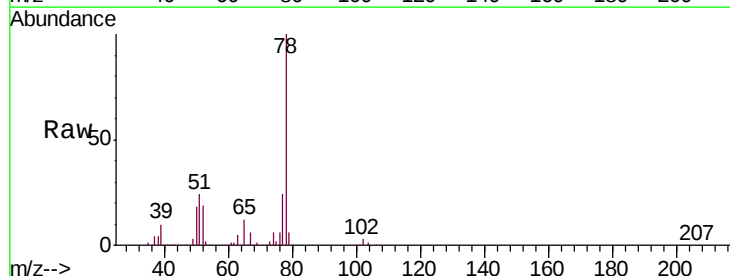
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

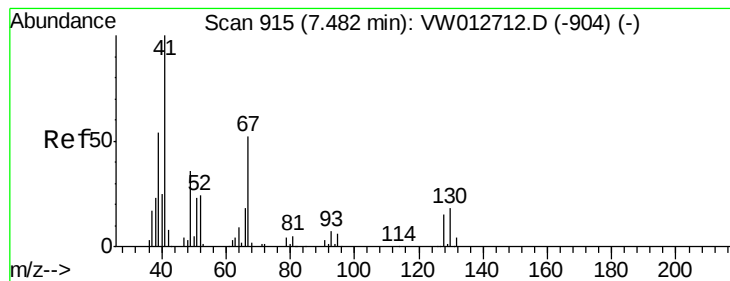
Tgt Ion: 83 Resp: 87546
Ion Ratio Lower Upper
83 100
55 87.1 71.0 106.4
98 48.7 36.9 55.3



#40
Benzene
Concen: 20.187 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion: 78 Resp: 217069
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9





#41

Methacrylonitrile

Concen: 18.076 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tgt Ion: 41 Resp: 26927

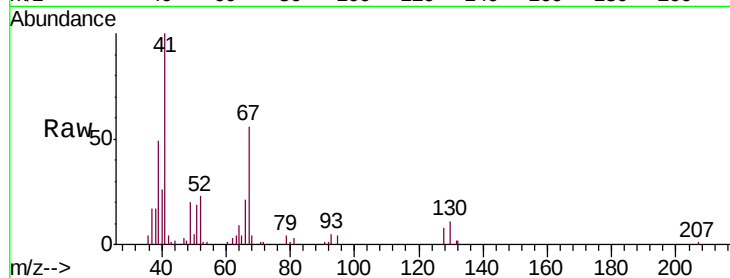
Ion Ratio Lower Upper

41 100

39 52.4 47.5 71.3

67 58.8 45.1 67.7

52 27.1 20.2 30.2

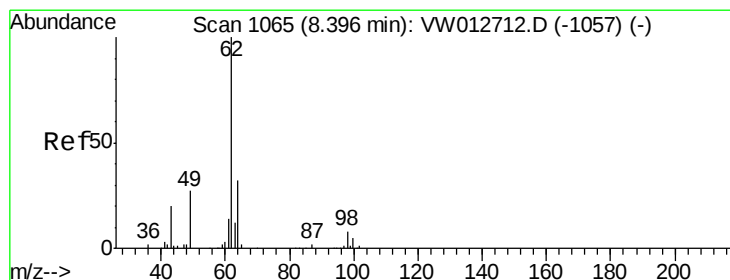
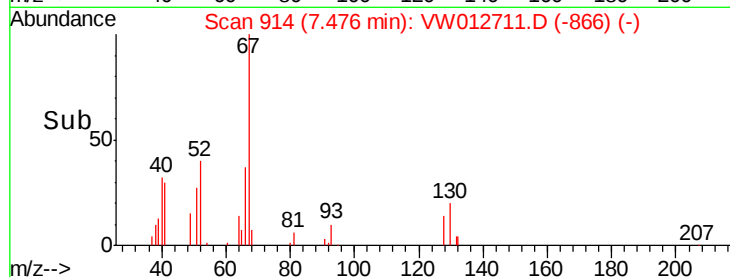
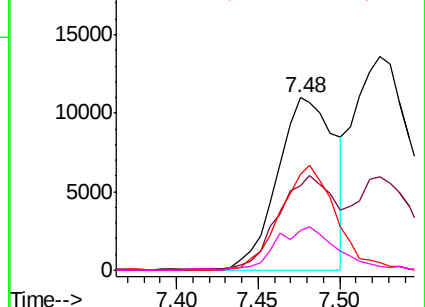


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 18.899 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012711.D

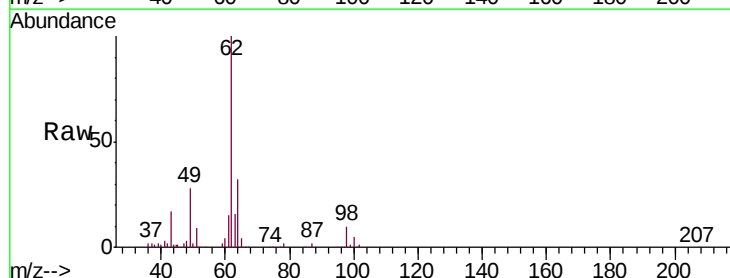
Acq: 07 Sep 2019 10:38

Tgt Ion: 62 Resp: 71521

Ion Ratio Lower Upper

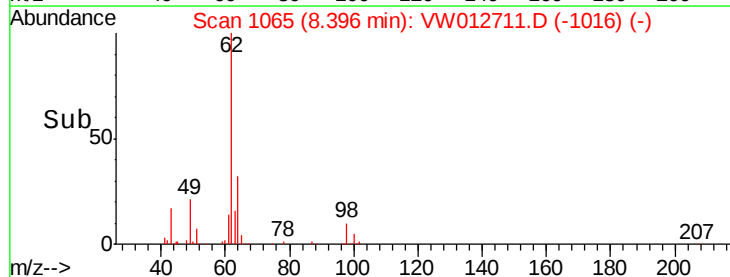
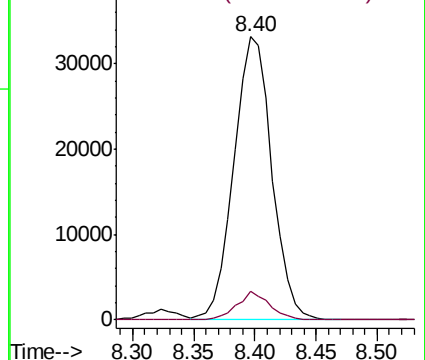
62 100

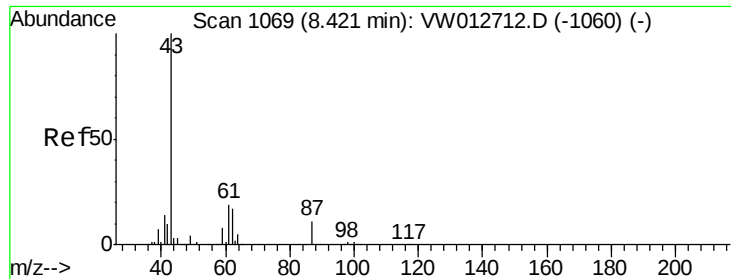
98 8.7 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

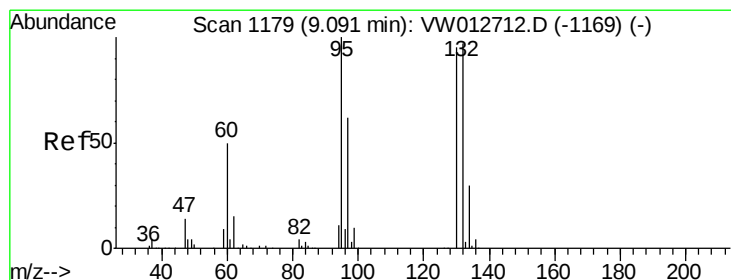
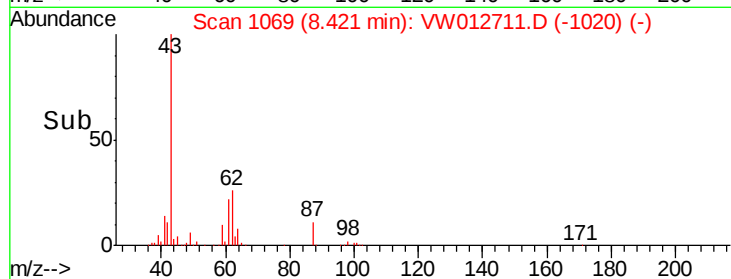
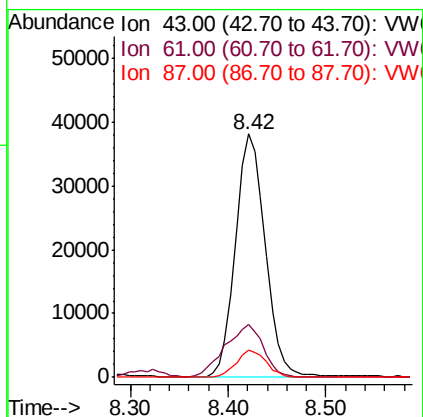
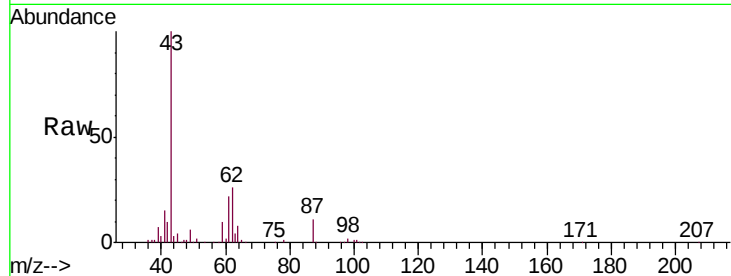




#43
Isopropyl Acetate
Concen: 17.333 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

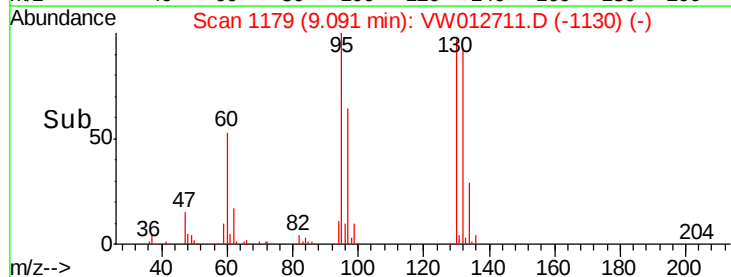
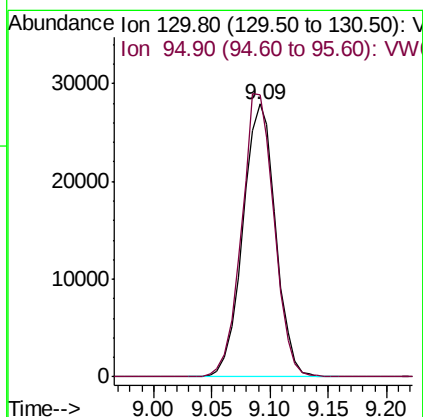
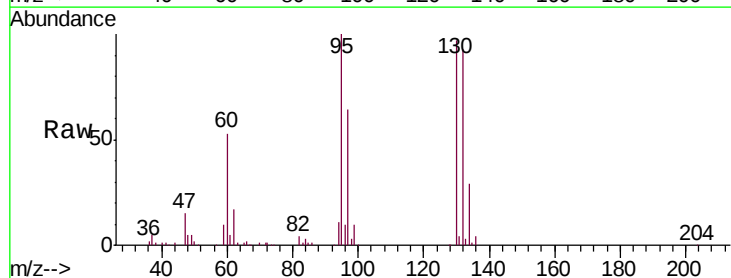
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

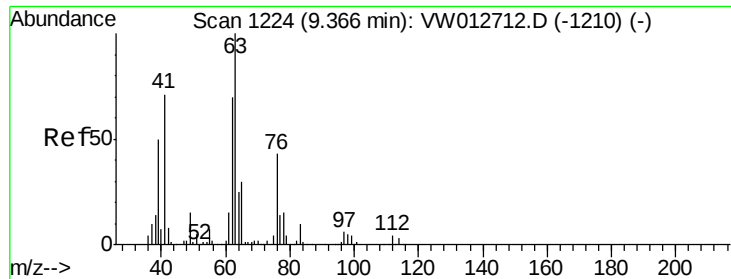
Tgt Ion: 43 Resp: 81129
Ion Ratio Lower Upper
43 100
61 27.9 20.6 30.8
87 11.4 8.6 13.0



#44
Trichloroethene
Concen: 19.763 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion: 130 Resp: 54779
Ion Ratio Lower Upper
130 100
95 103.3 0.0 210.6

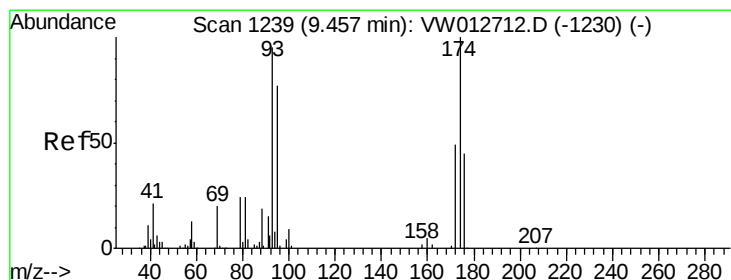
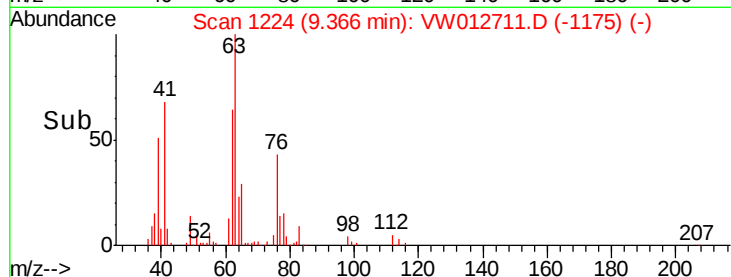
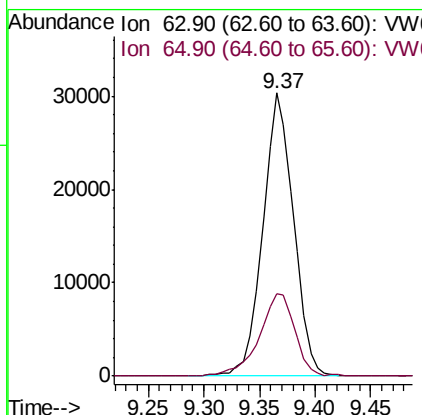
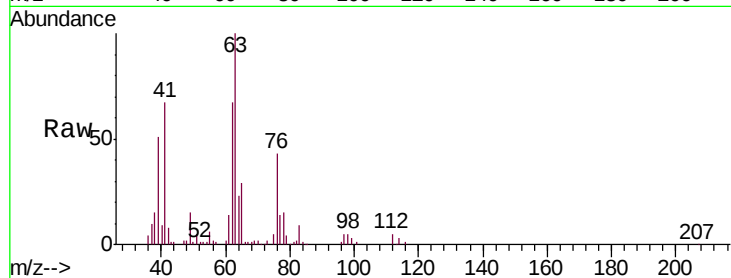




#45
 1,2-Dichloropropane
 Concen: 19.525 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

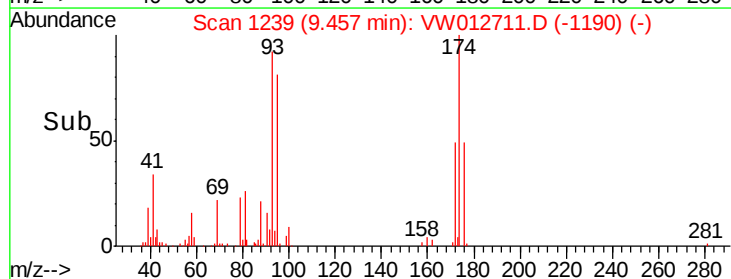
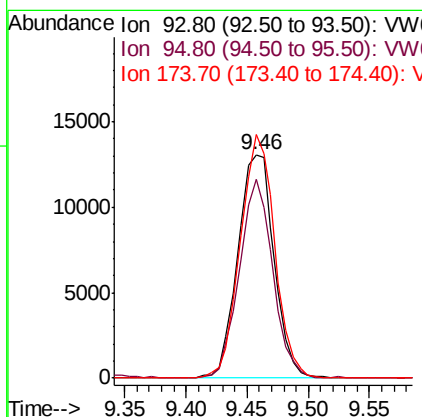
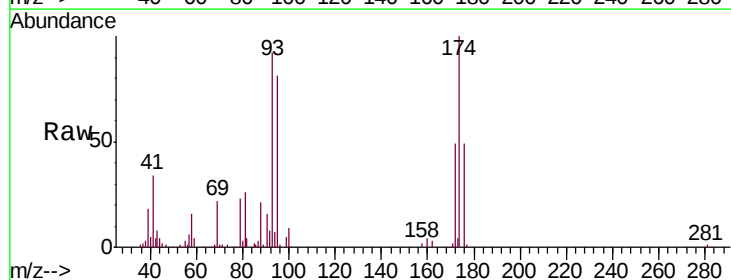
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

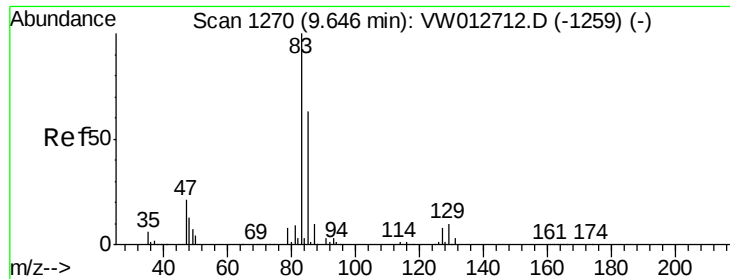
Tgt Ion: 63 Resp: 58232
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.8 35.8



#46
 Dibromomethane
 Concen: 19.032 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion: 93 Resp: 26878
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.2 97.8
 174 103.3 84.2 126.4





#47

Bromodichloromethane

Concen: 18.911 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

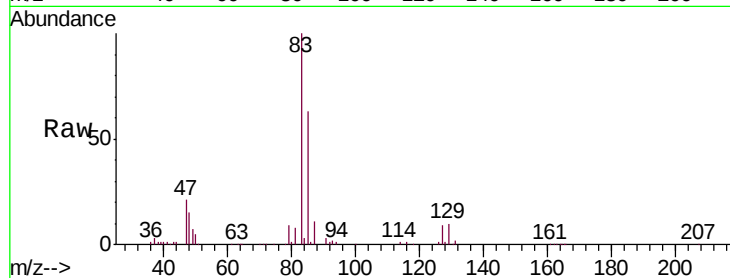
Tgt Ion: 83 Resp: 73478

Ion Ratio Lower Upper

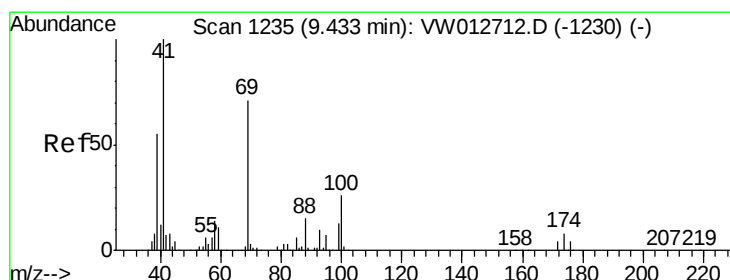
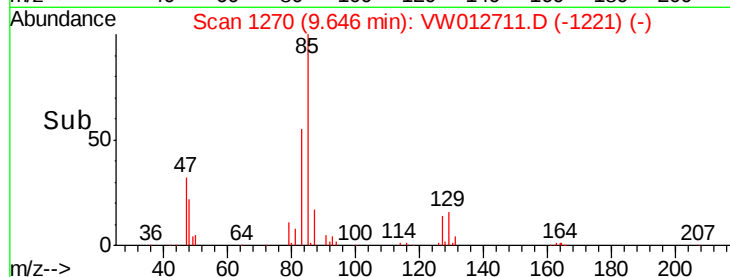
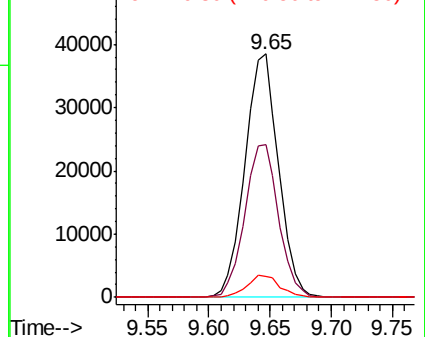
83 100

85 63.0 50.2 75.2

127 8.6 6.6 9.8



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



#48

Methyl methacrylate

Concen: 17.137 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

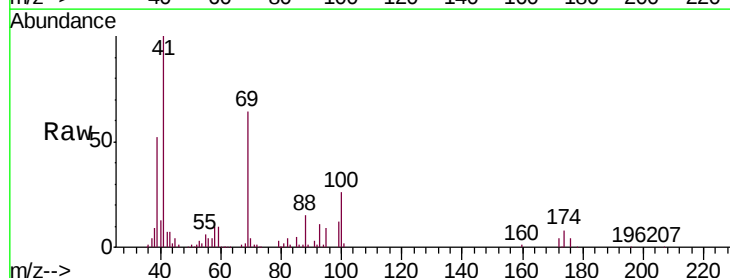
Tgt Ion: 41 Resp: 38333

Ion Ratio Lower Upper

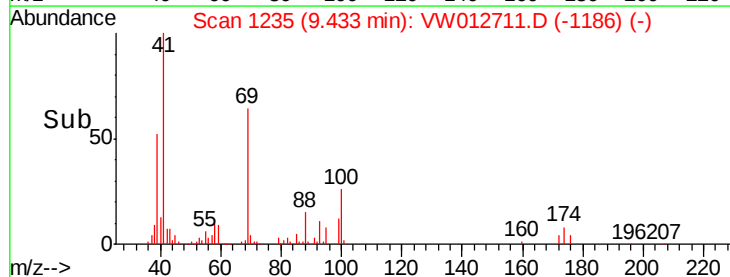
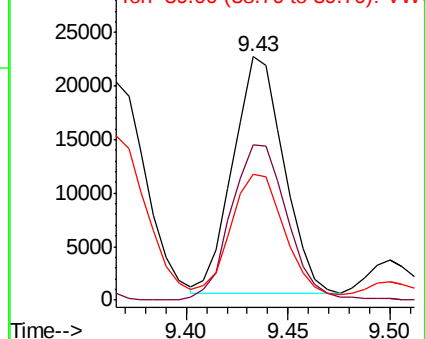
41 100

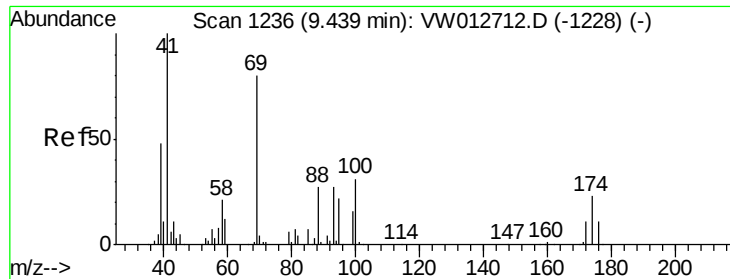
69 72.5 59.8 89.8

39 52.7 47.0 70.6



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: 358.506 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

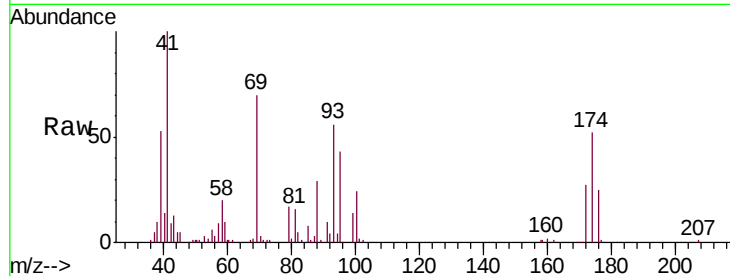
Tgt Ion: 88 Resp: 10001

Ion Ratio Lower Upper

88 100

43 43.0 34.8 52.2

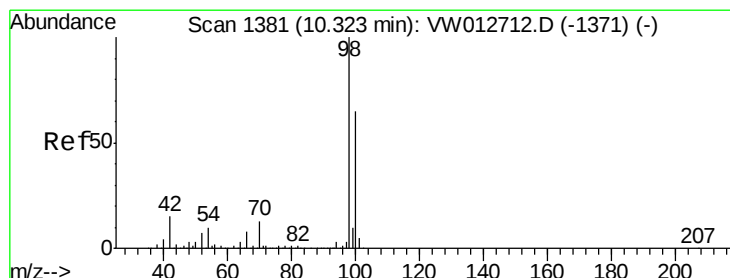
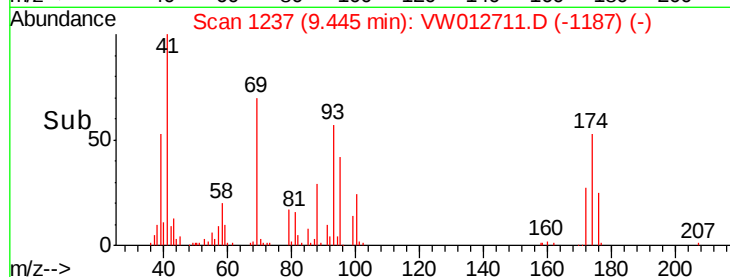
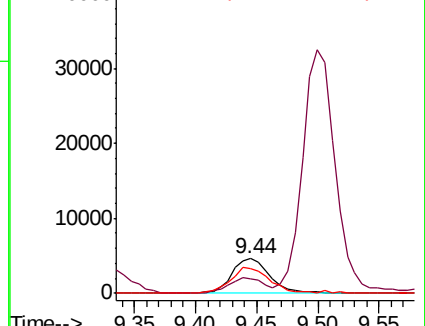
58 75.1 64.1 96.1



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: 18.646 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012711.D

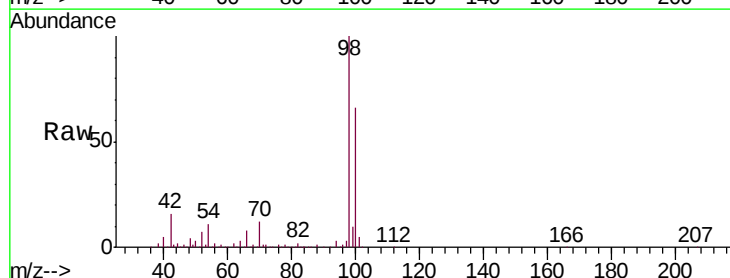
Acq: 07 Sep 2019 10:38

Tgt Ion: 98 Resp: 189438

Ion Ratio Lower Upper

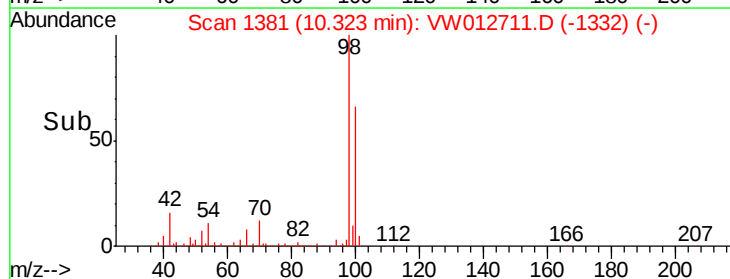
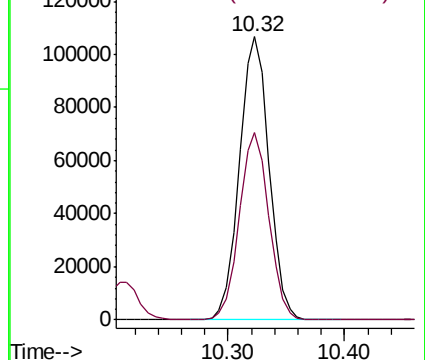
98 100

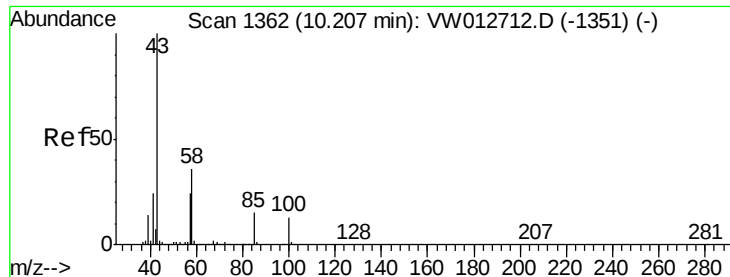
100 66.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 83.517 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

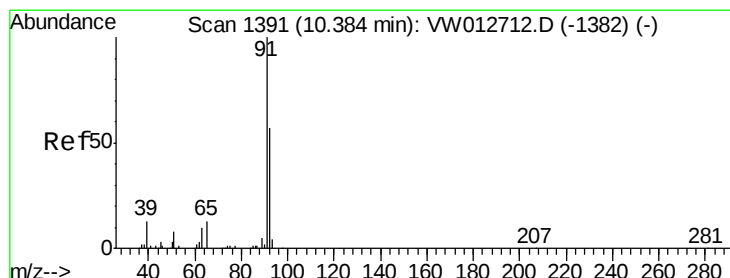
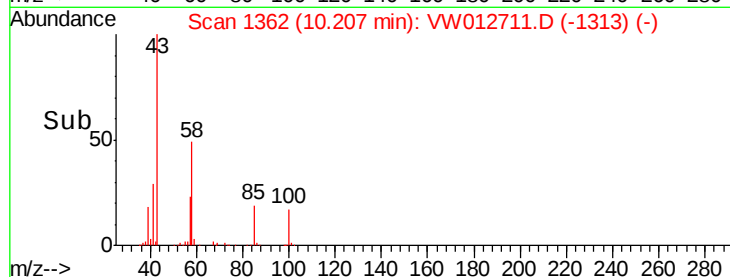
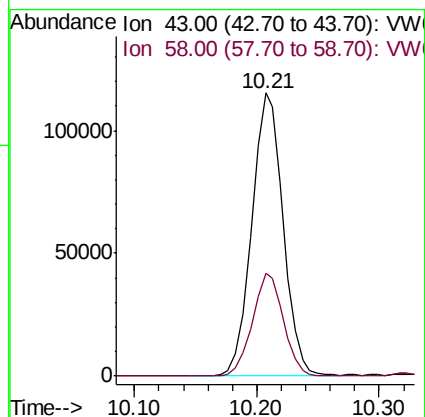
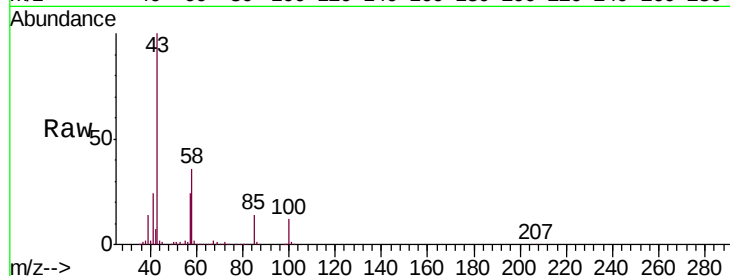
VSTDIC020

Tgt Ion: 43 Resp: 205127

Ion Ratio Lower Upper

43 100

58 36.2 28.4 42.6



#52

Toluene

Concen: 19.951 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012711.D

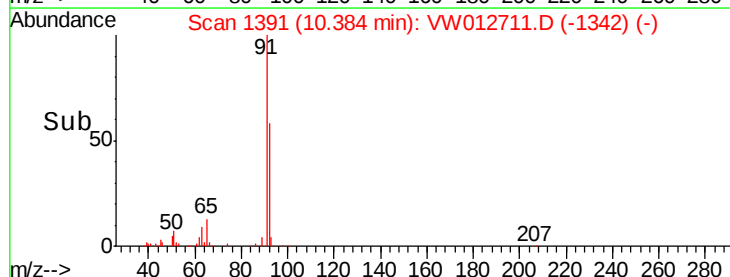
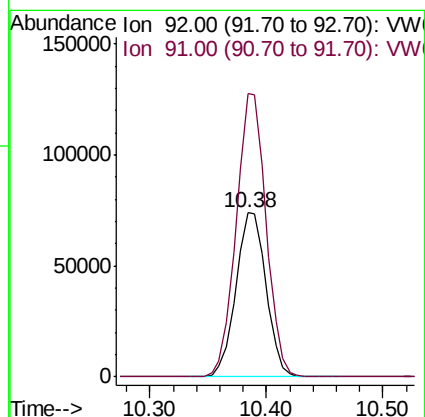
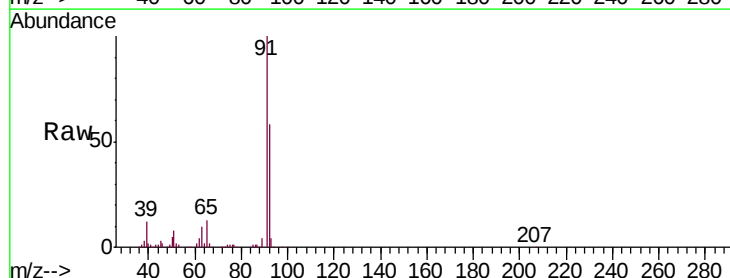
Acq: 07 Sep 2019 10:38

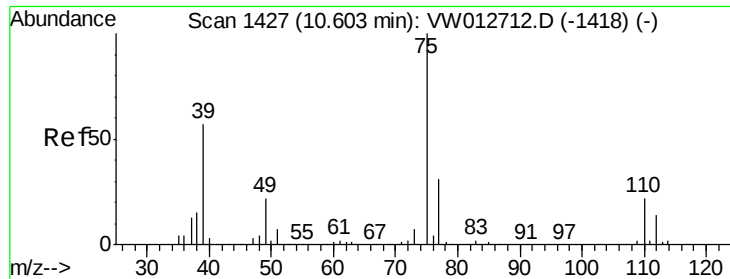
Tgt Ion: 92 Resp: 133901

Ion Ratio Lower Upper

92 100

91 170.7 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 18.312 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

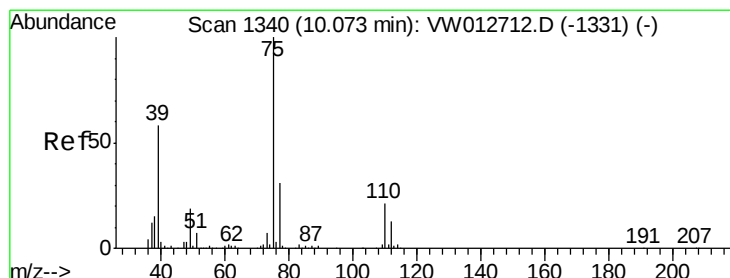
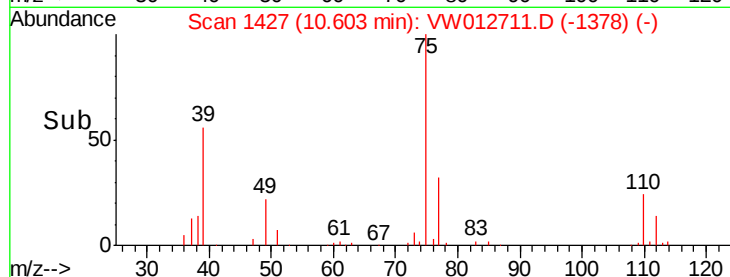
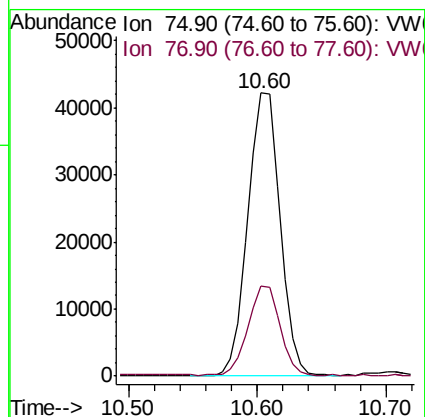
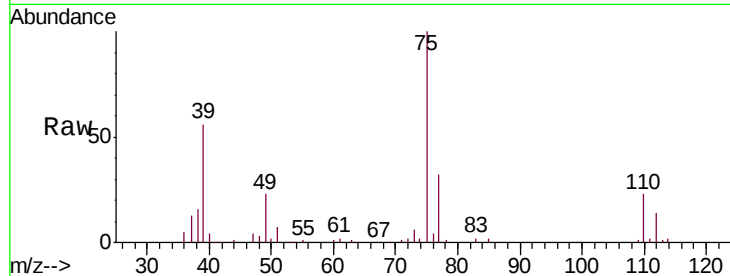
VSTDIC020

Tgt Ion: 75 Resp: 73162

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 17.934 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

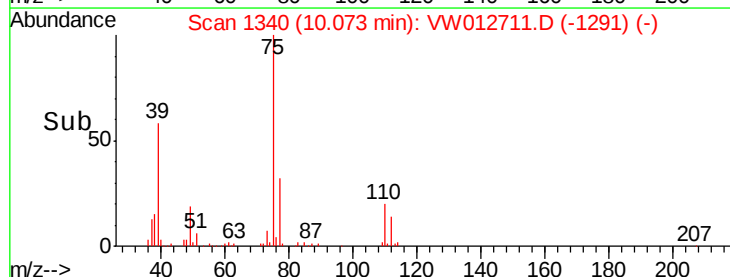
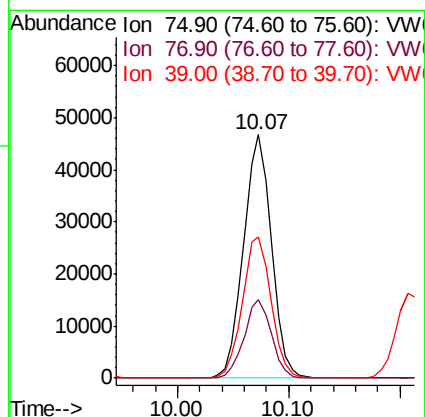
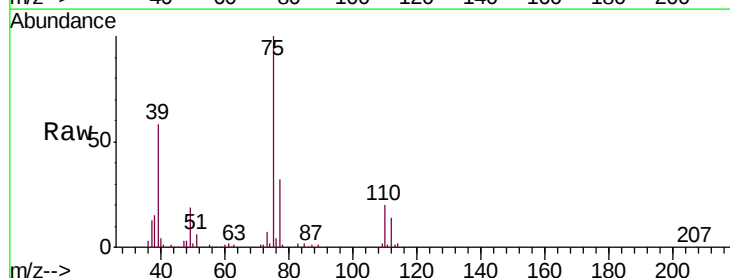
Tgt Ion: 75 Resp: 81282

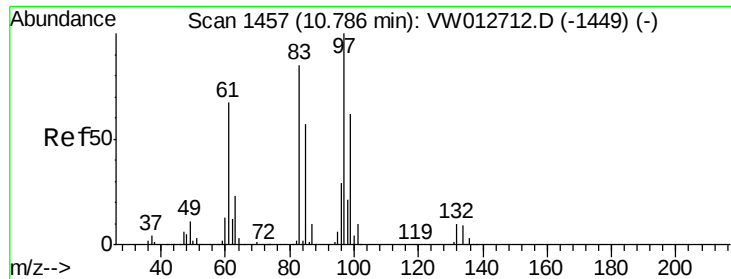
Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8

39 57.9 46.3 69.5

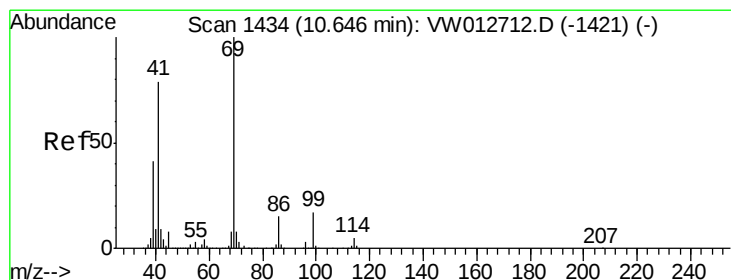
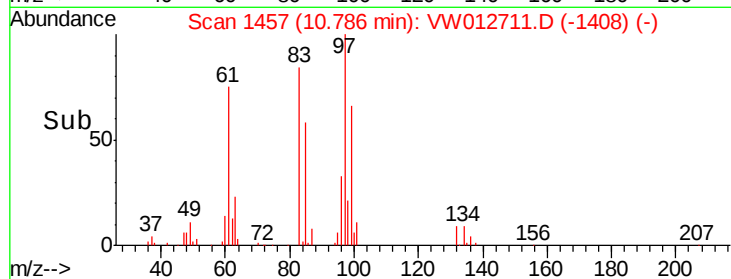
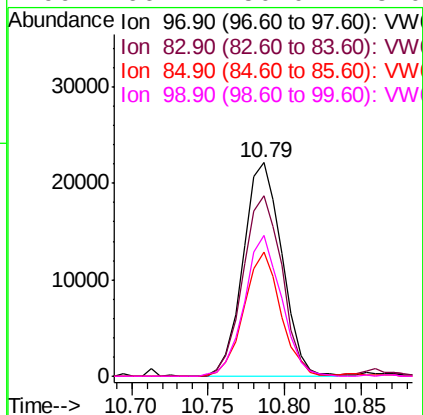
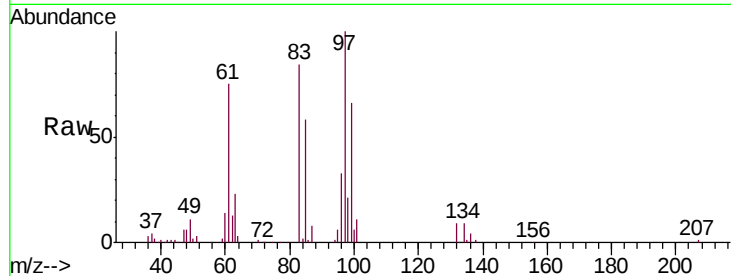




#55
 1,1,2-Trichloroethane
 Concen: 18.520 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

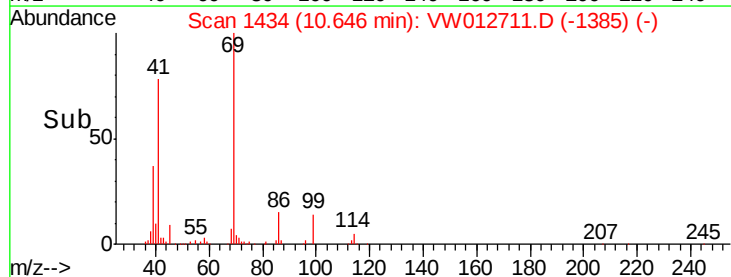
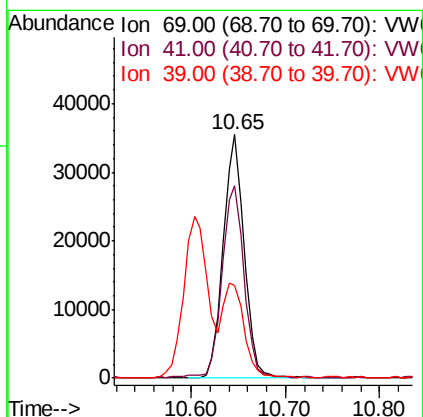
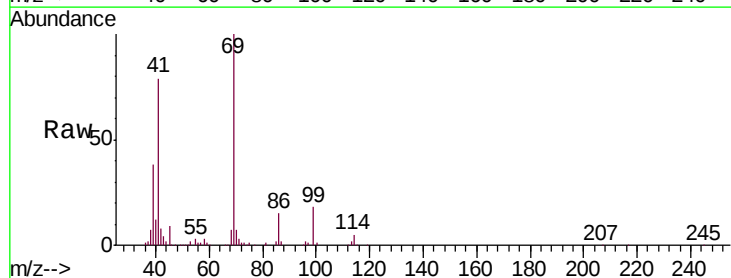
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

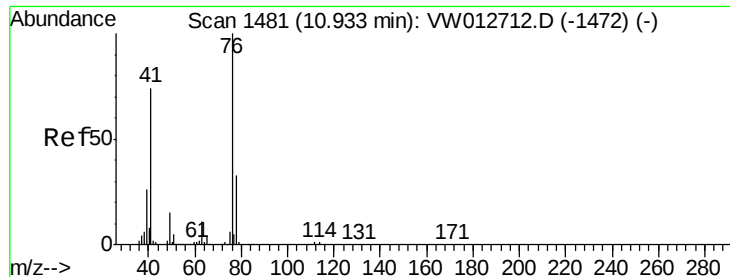
Tgt Ion:	97	Resp:	39158
Ion	Ratio	Lower	Upper
97	100		
83	84.3	68.1	102.1
85	58.2	45.3	67.9
99	66.1	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 17.756 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion:	69	Resp:	54954
Ion	Ratio	Lower	Upper
69	100		
41	83.8	64.4	96.6
39	39.3	31.1	46.7

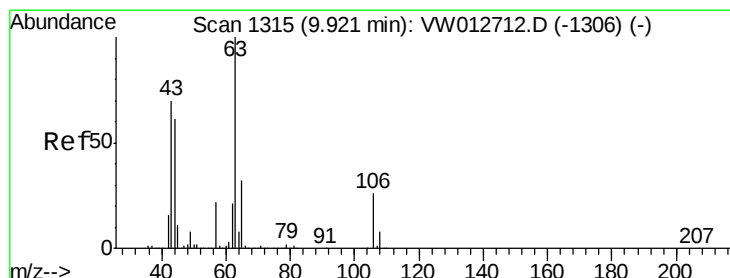
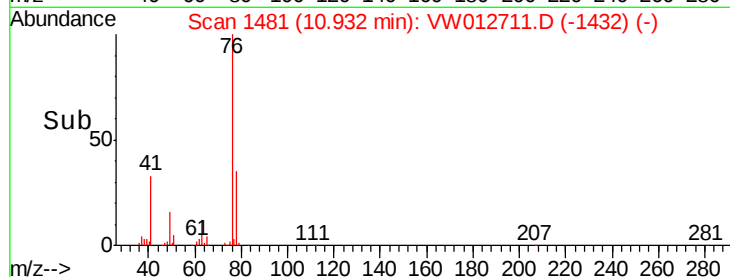
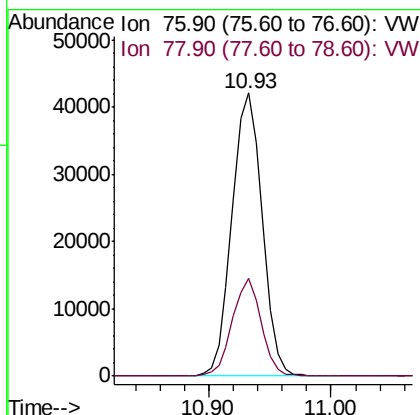
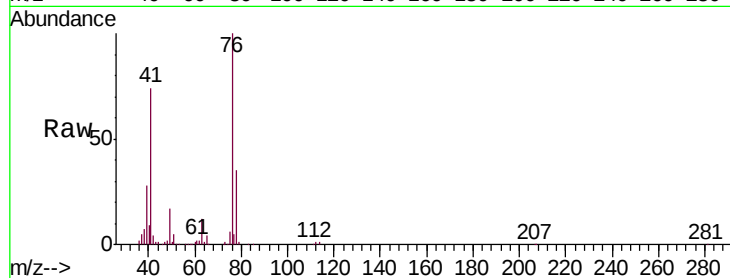




#57
 1,3-Dichloropropane
 Concen: 18.375 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

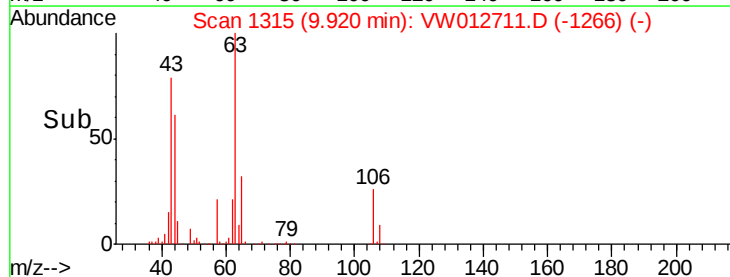
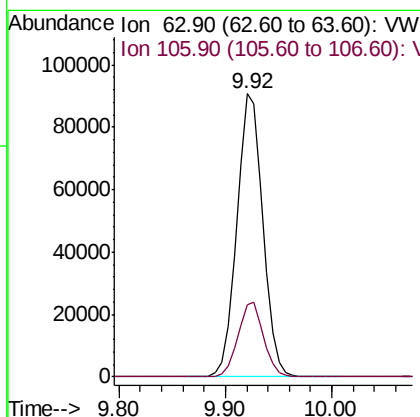
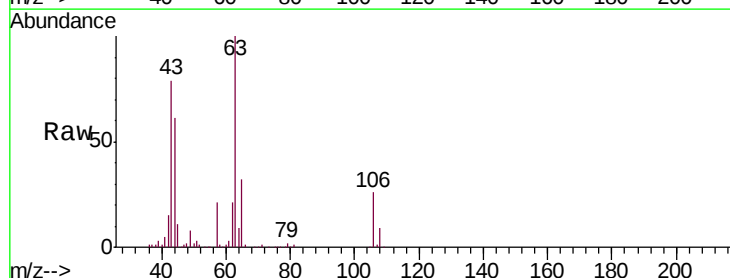
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

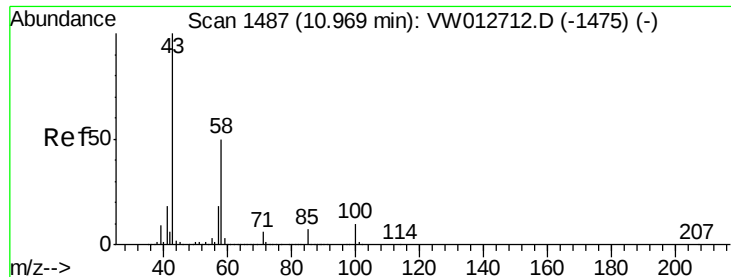
Tgt Ion: 76 Resp: 71874
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.939 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion: 63 Resp: 155990
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.5 30.7

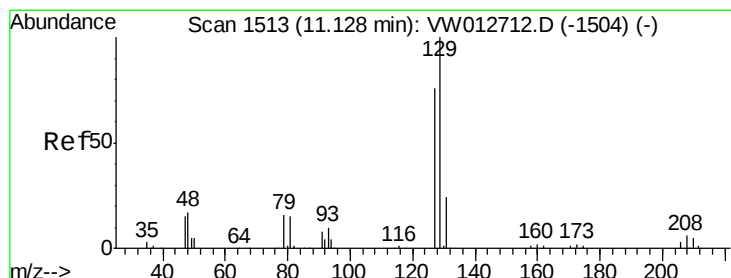
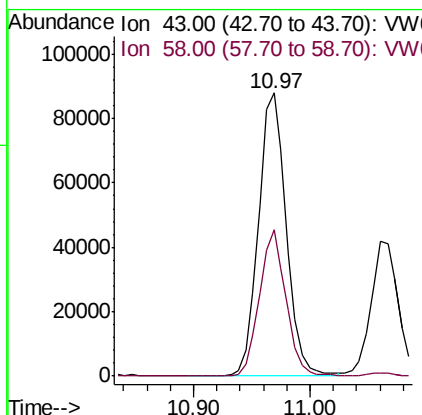
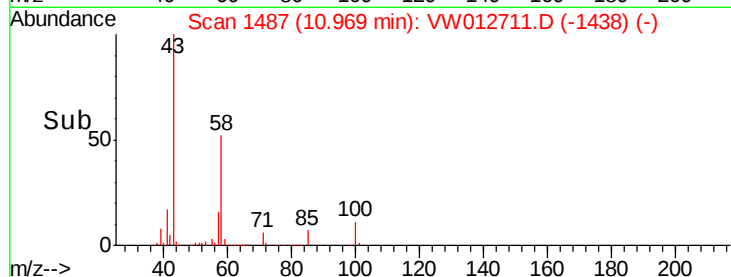
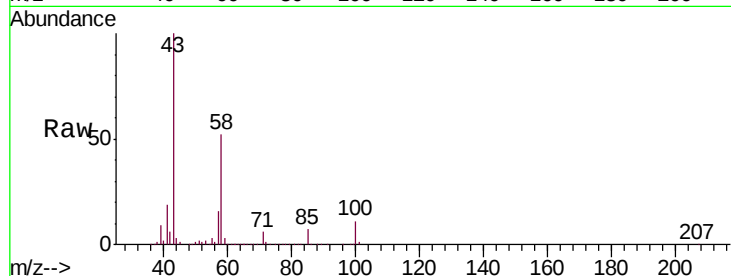




#59
2-Hexanone
Concen: 81.382 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

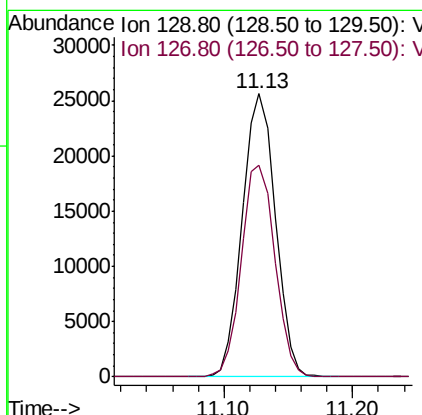
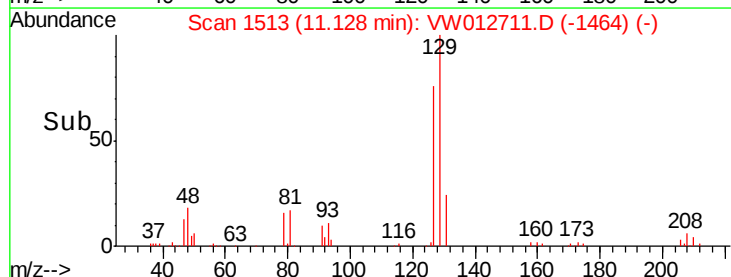
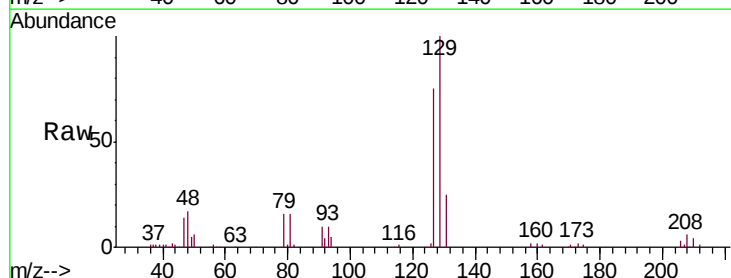
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

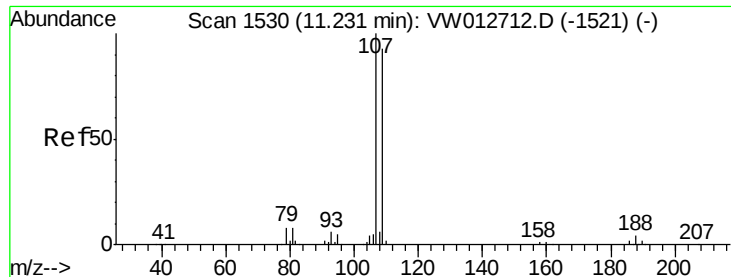
Tgt Ion: 43 Resp: 146031
Ion Ratio Lower Upper
43 100
58 49.4 24.7 74.1



#60
Dibromochloromethane
Concen: 18.321 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion: 129 Resp: 45557
Ion Ratio Lower Upper
129 100
127 75.6 38.6 115.8

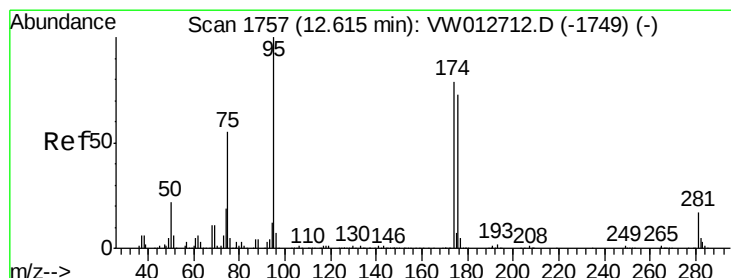
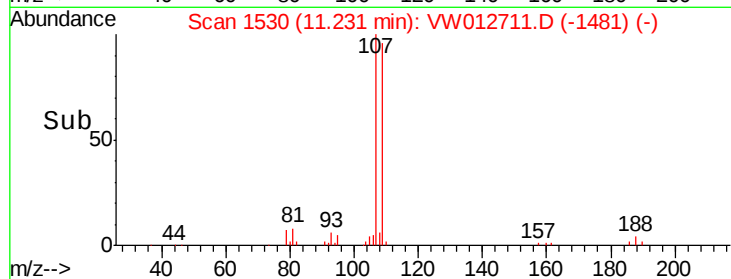
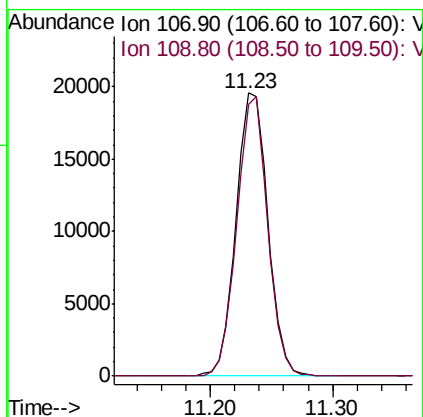
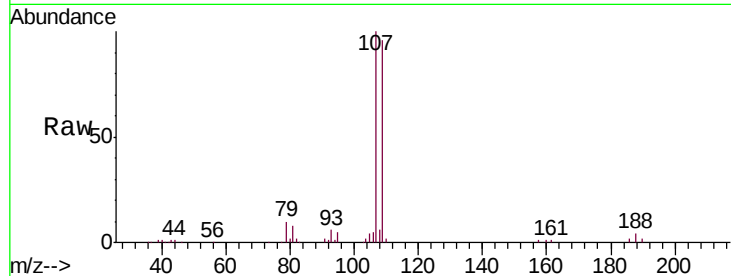




#61
 1,2-Dibromoethane
 Concen: 18.160 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

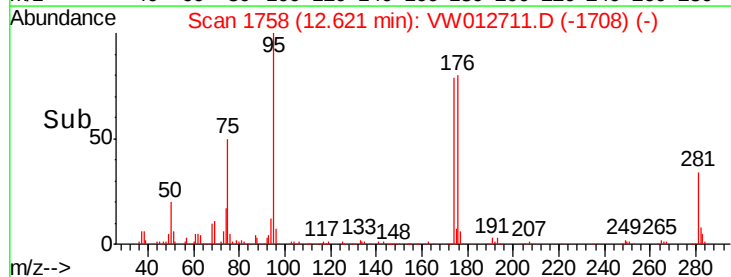
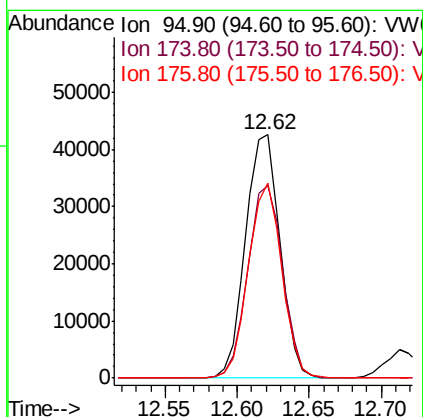
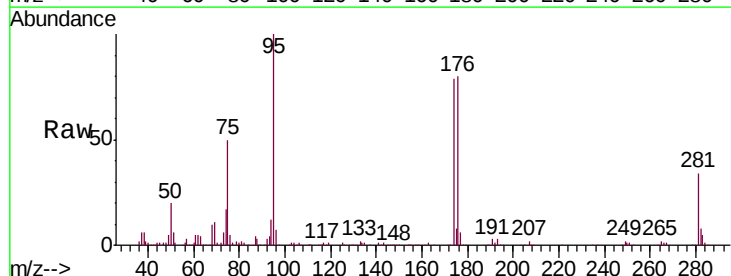
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

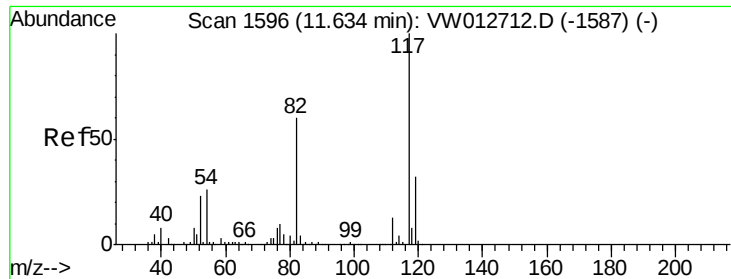
Tgt Ion: 107 Resp: 35202
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 19.109 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion: 95 Resp: 70479
 Ion Ratio Lower Upper
 95 100
 174 79.8 0.0 161.0
 176 77.8 0.0 156.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

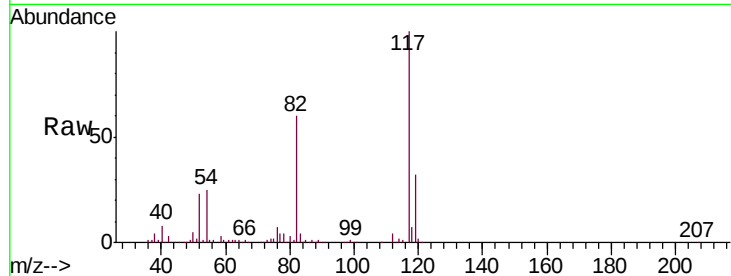
Tgt Ion:117 Resp: 375061

Ion Ratio Lower Upper

117 100

82 60.0 48.2 72.4

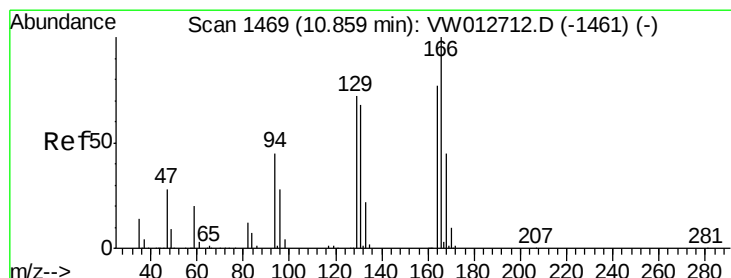
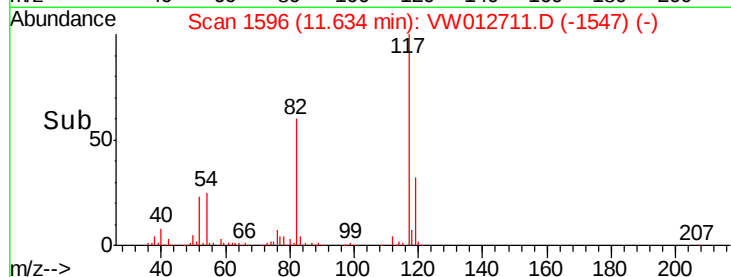
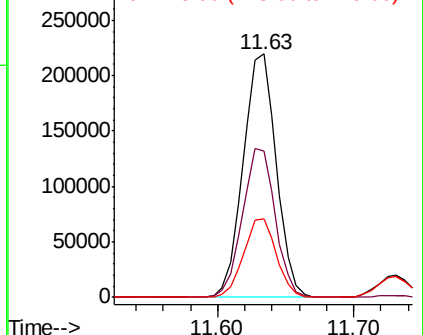
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.071 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Tgt Ion:164 Resp: 45677

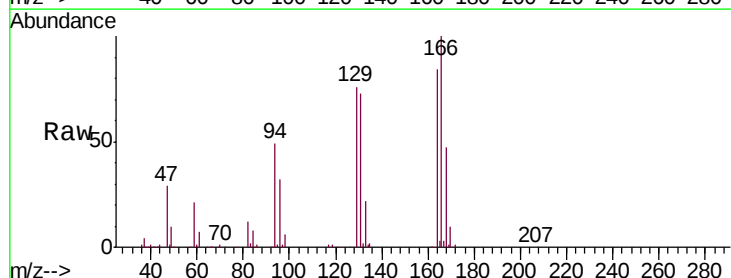
Ion Ratio Lower Upper

164 100

166 119.1 103.6 155.4

129 90.8 74.6 112.0

131 86.4 70.6 106.0

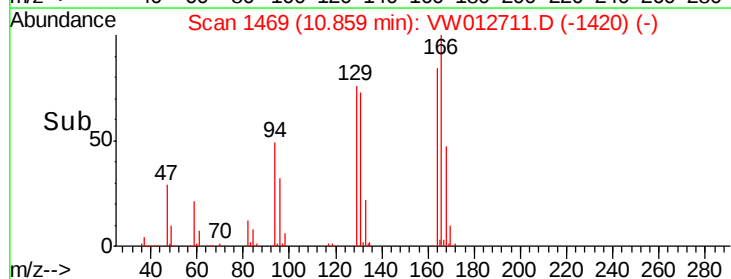
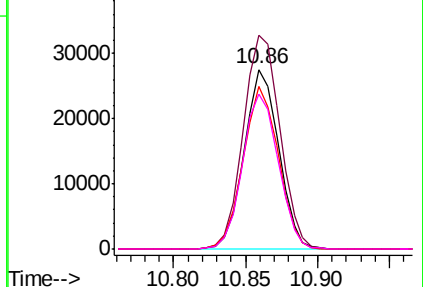


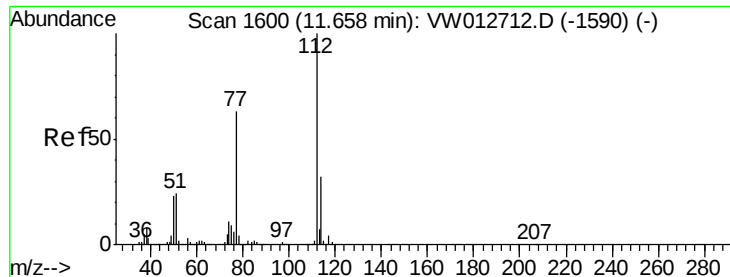
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.856 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

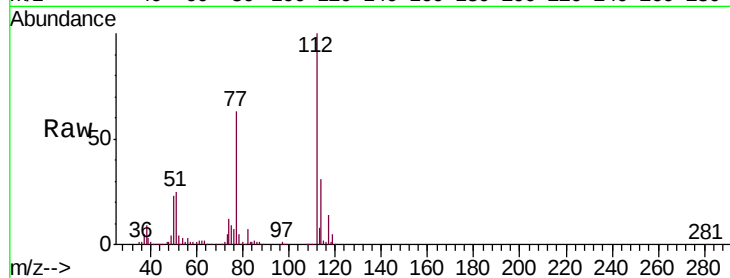
VSTDIC020

Tgt Ion:112 Resp: 140752

Ion Ratio Lower Upper

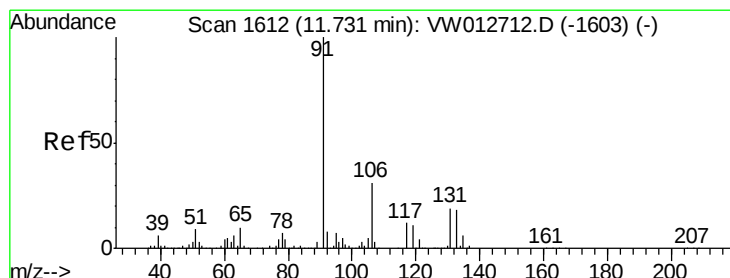
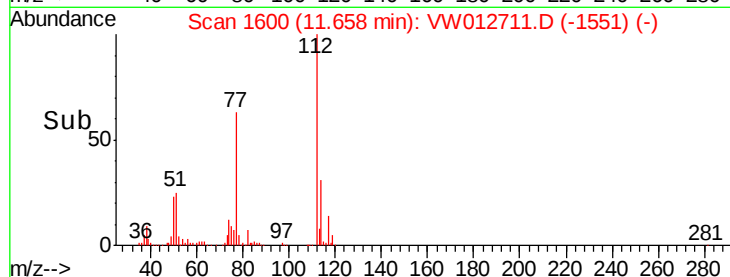
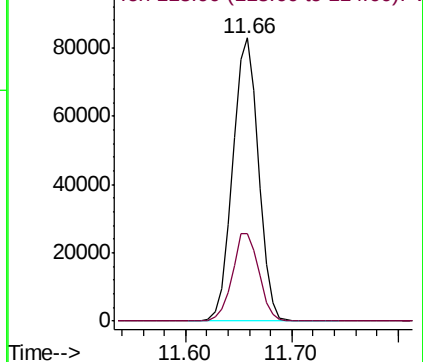
112 100

114 30.9 25.3 37.9



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: 19.341 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

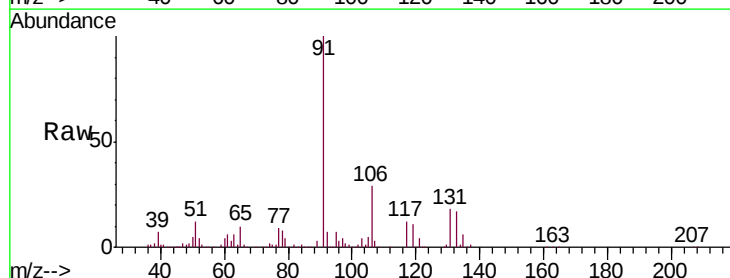
Tgt Ion:131 Resp: 51057

Ion Ratio Lower Upper

131 100

133 93.7 47.6 142.8

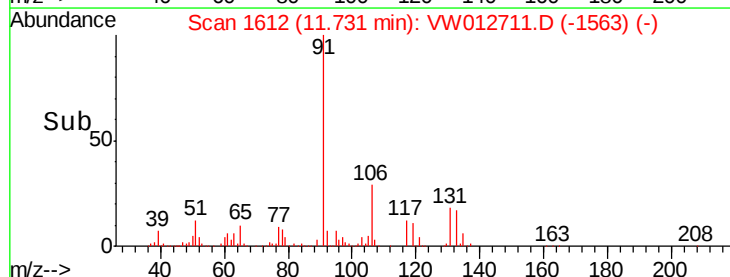
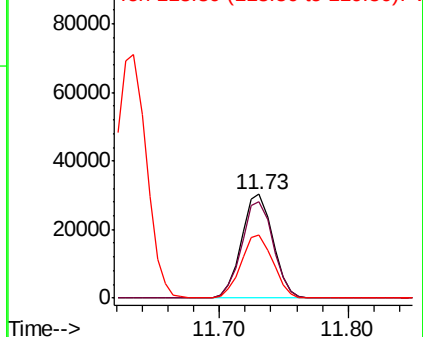
119 61.9 30.6 92.0

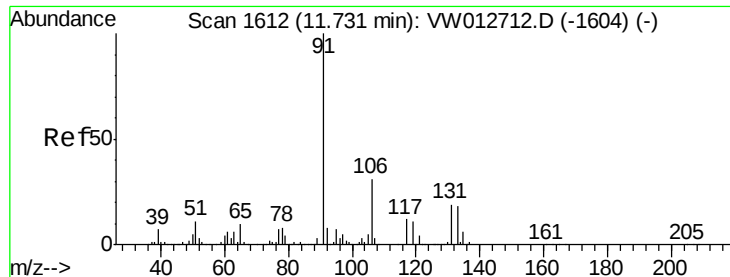


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

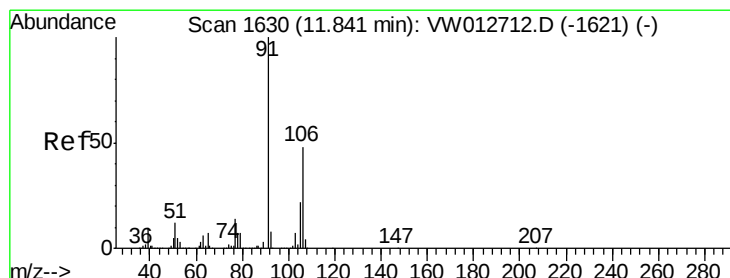
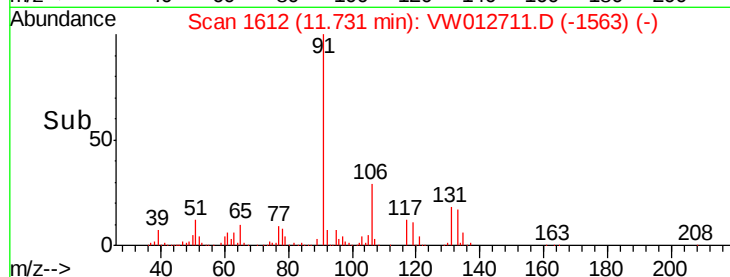
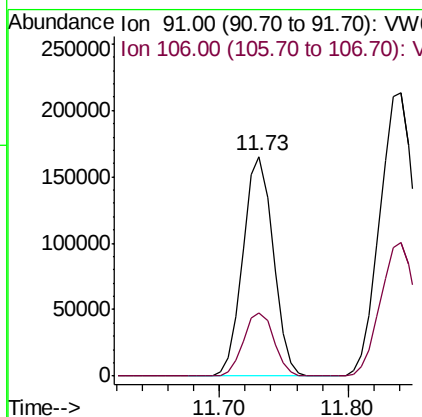
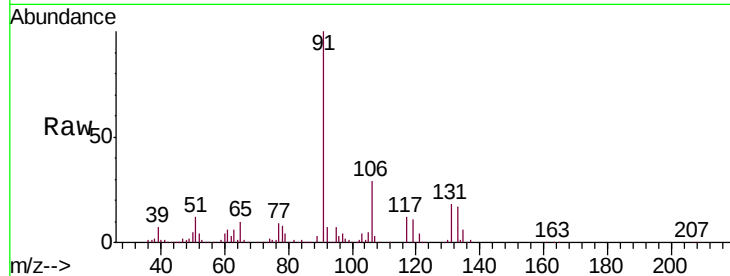




#67
Ethyl Benzene
Concen: 20.177 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

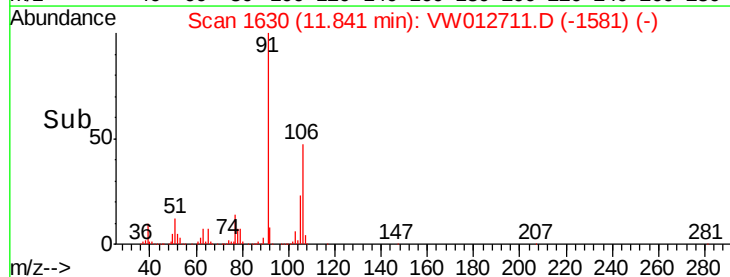
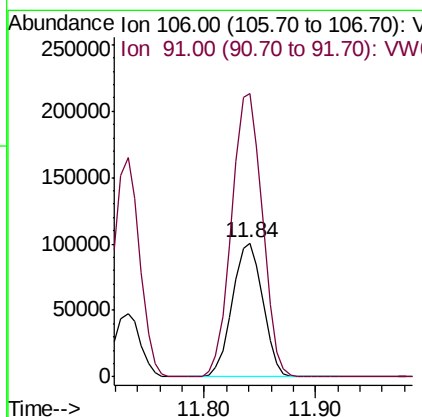
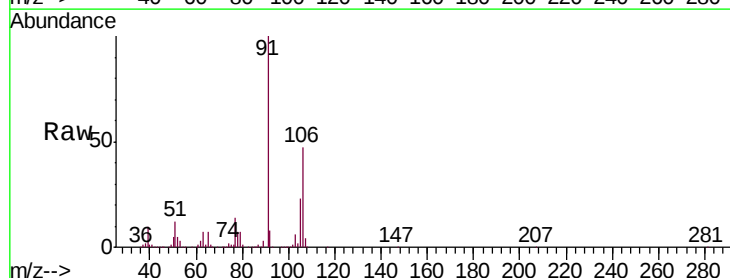
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

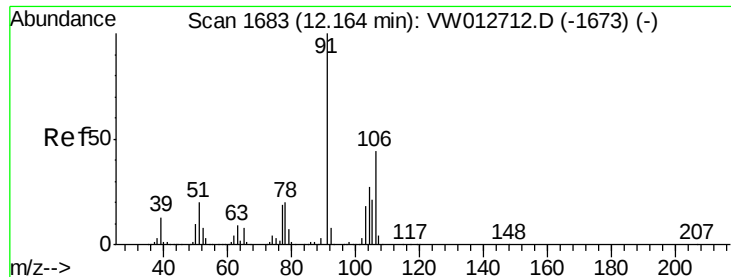
Tgt Ion: 91 Resp: 268364
Ion Ratio Lower Upper
91 100
106 29.0 24.4 36.6



#68
m/p-Xylenes
Concen: 39.992 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion: 106 Resp: 191995
Ion Ratio Lower Upper
106 100
91 212.1 168.2 252.4

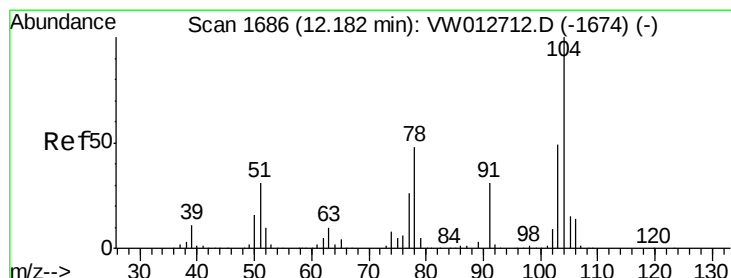
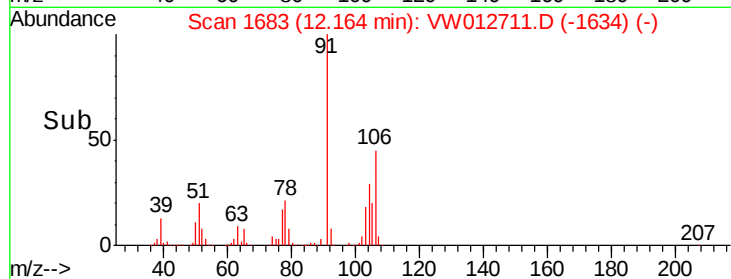
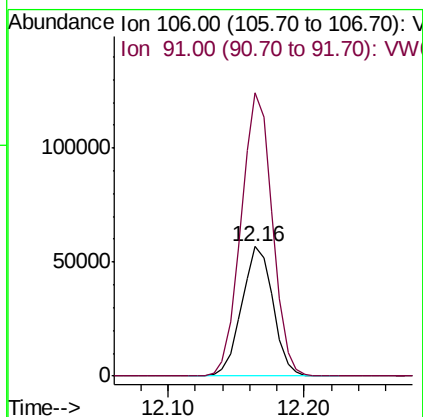
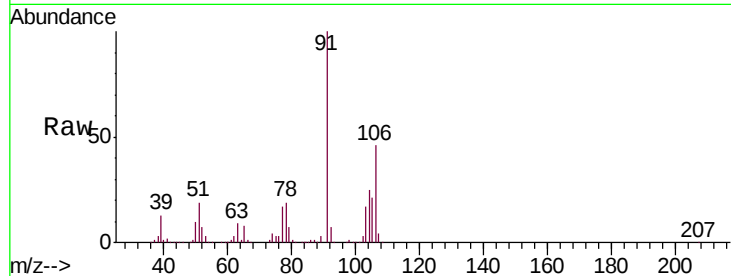




#69
o-Xylene
Concen: 20.112 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

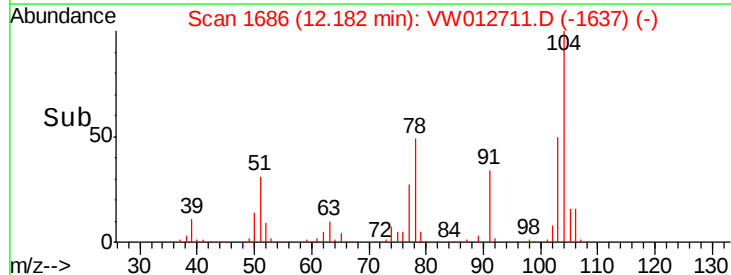
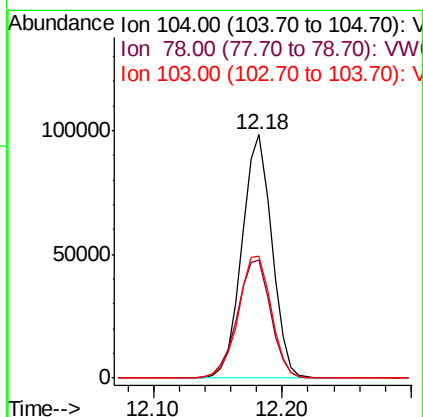
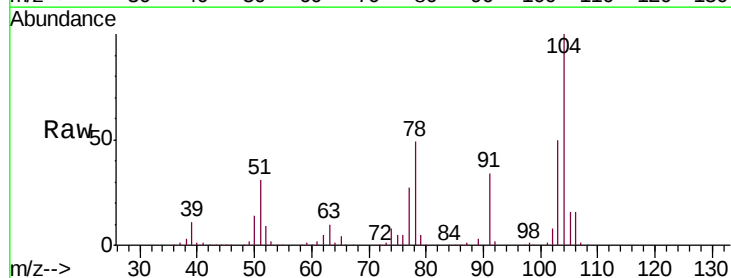
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

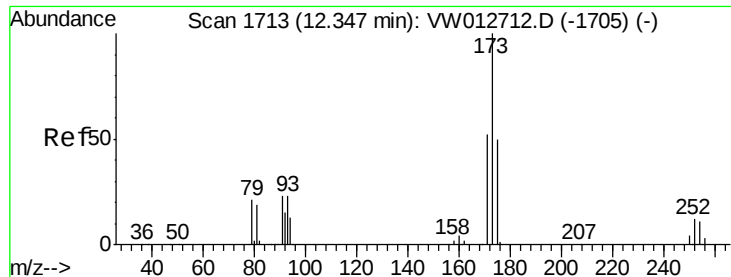
Tgt Ion:106 Resp: 91093
Ion Ratio Lower Upper
106 100
91 219.1 112.3 336.8



#70
Styrene
Concen: 19.695 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion:104 Resp: 157625
Ion Ratio Lower Upper
104 100
78 54.5 43.3 64.9
103 55.4 44.0 66.0





#71

Bromoform

Concen: 16.929 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

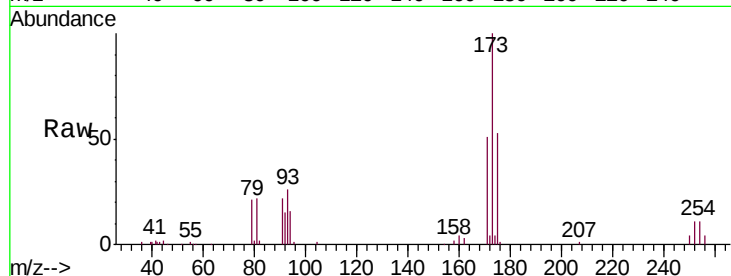
Tgt Ion:173 Resp: 24829

Ion Ratio Lower Upper

173 100

175 52.2 24.8 74.3

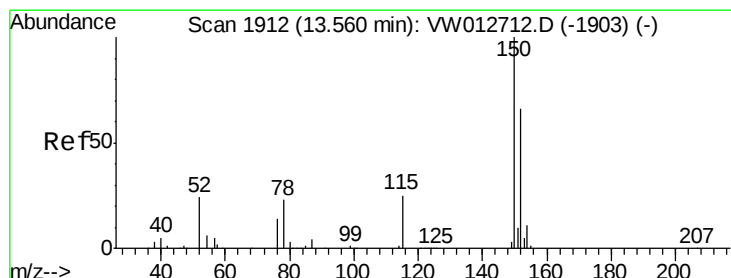
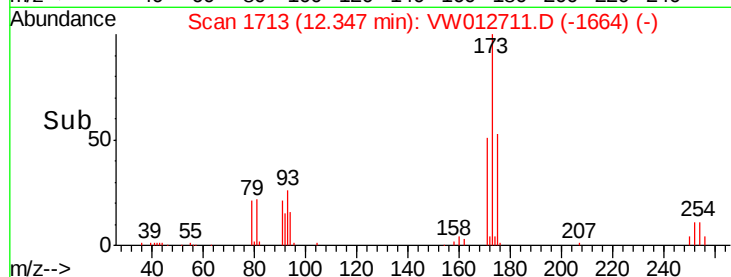
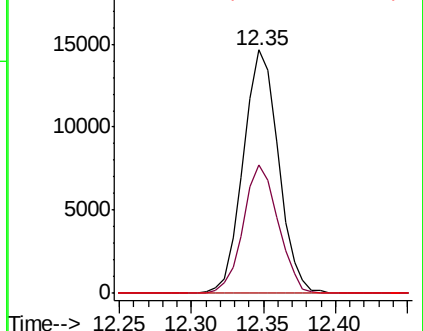
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

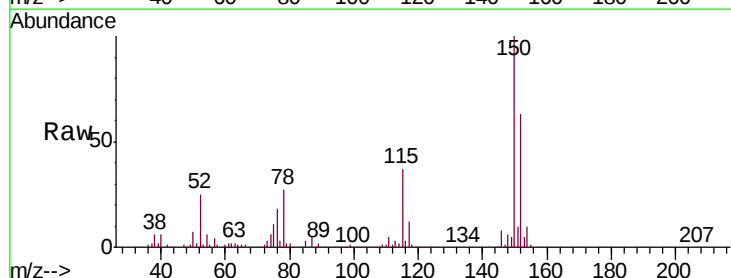
Tgt Ion:152 Resp: 184480

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.1

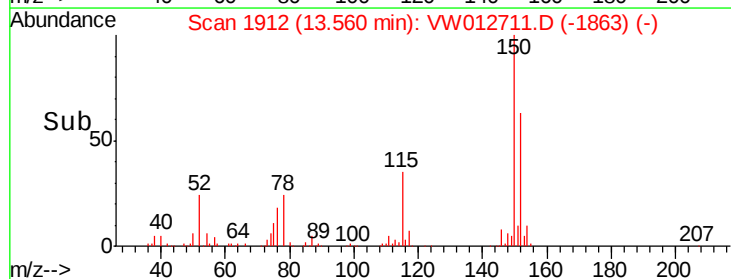
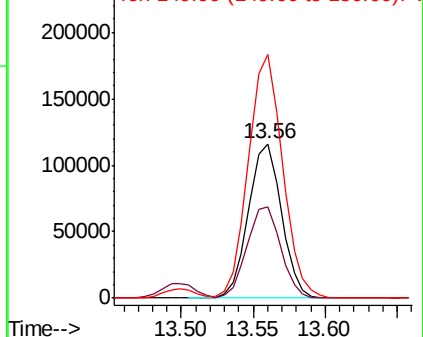
150 163.1 0.0 349.0

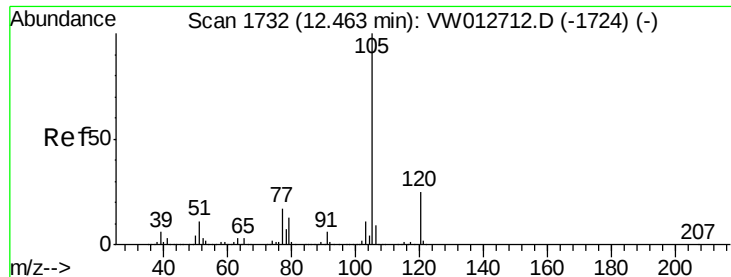


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.468 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

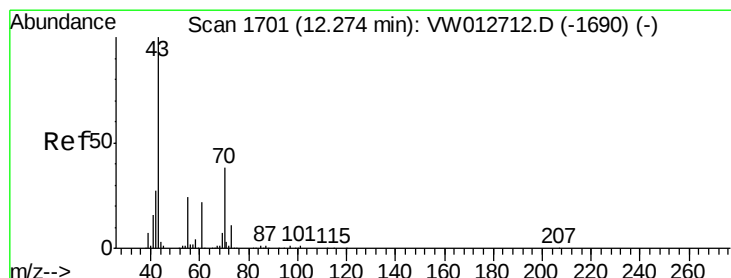
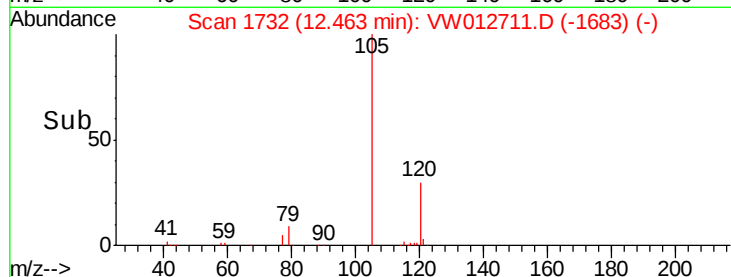
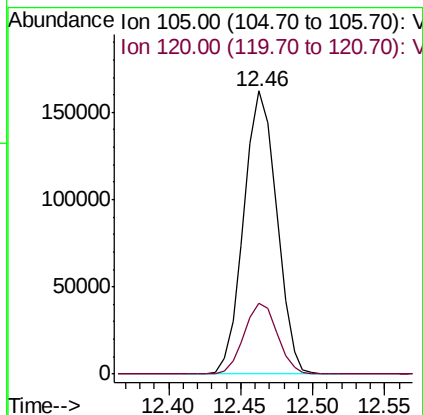
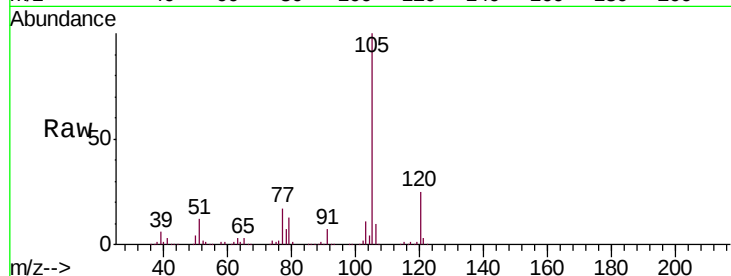
VSTDIC020

Tgt Ion: 105 Resp: 257587

Ion Ratio Lower Upper

105 100

120 25.3 13.0 38.9



#74

N-ethyl acetate

Concen: 17.509 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Tgt Ion: 43 Resp: 73534

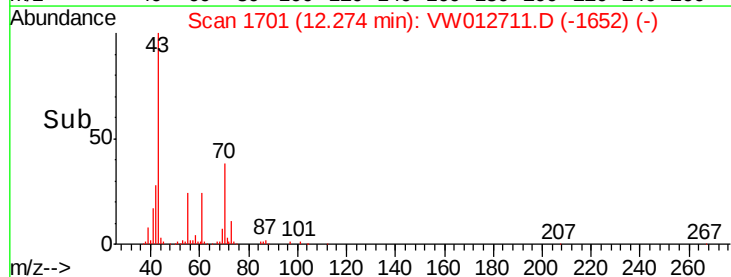
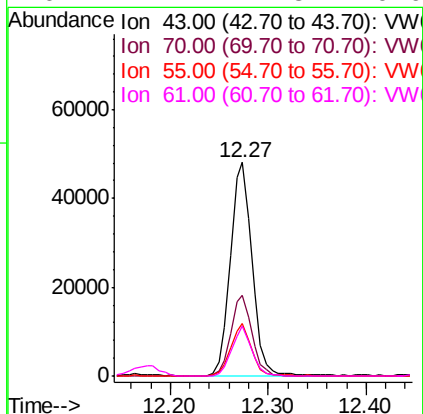
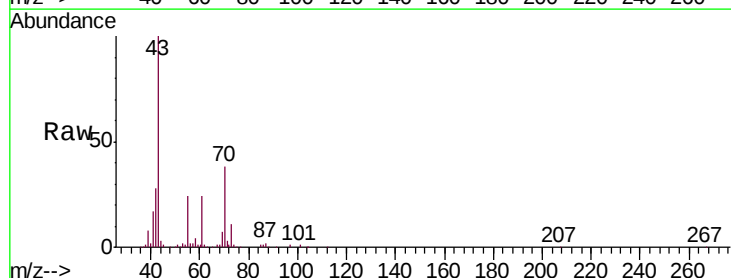
Ion Ratio Lower Upper

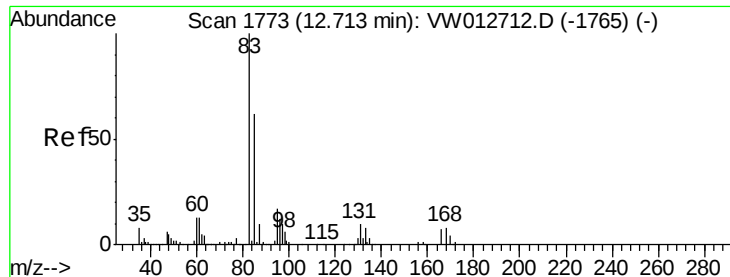
43 100

70 37.3 29.4 44.0

55 23.5 18.6 27.8

61 21.7 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.166 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

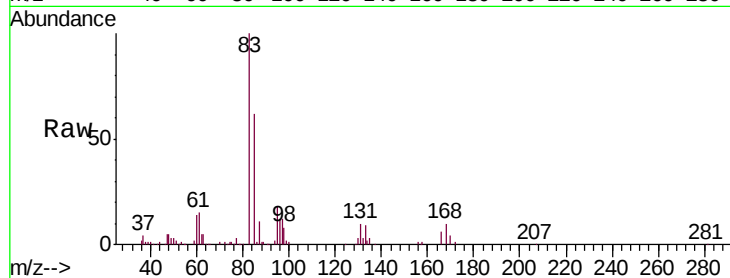
Tgt Ion: 83 Resp: 45615

Ion Ratio Lower Upper

83 100

131 10.9 5.1 15.4

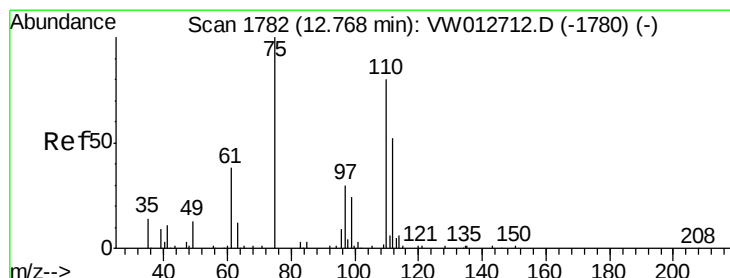
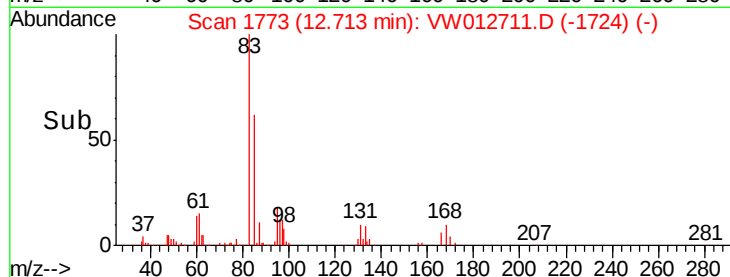
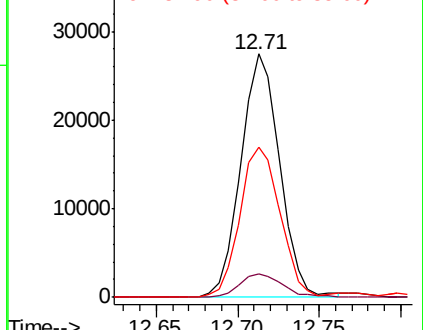
85 64.1 31.4 94.2



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: 34.329 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012711.D

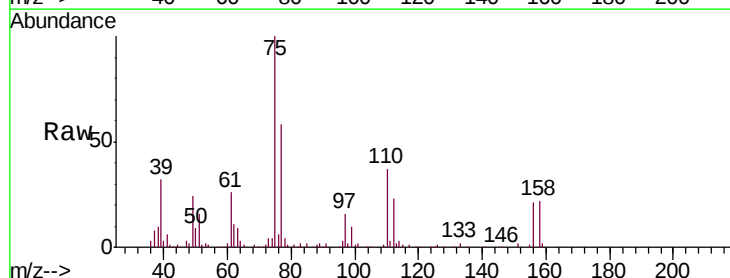
Acq: 07 Sep 2019 10:38

Tgt Ion: 75 Resp: 62148

Ion Ratio Lower Upper

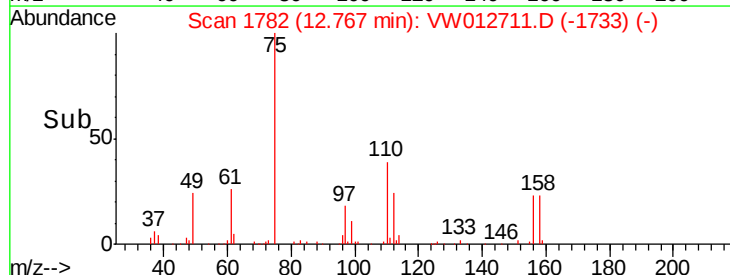
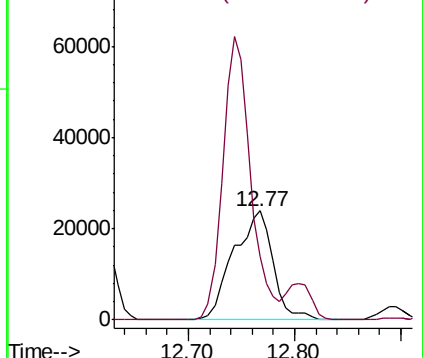
75 100

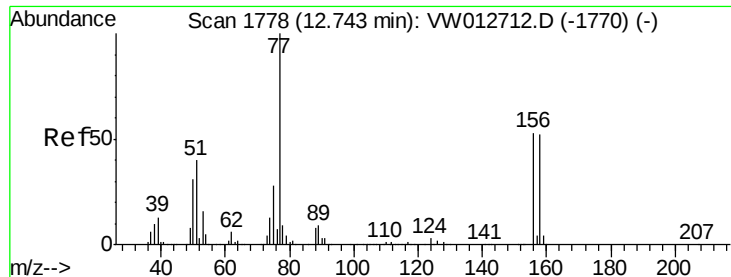
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.909 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

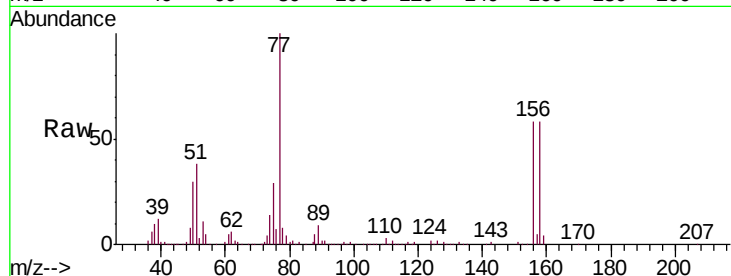
Tgt Ion:156 Resp: 56682

Ion Ratio Lower Upper

156 100

77 200.7 102.3 306.9

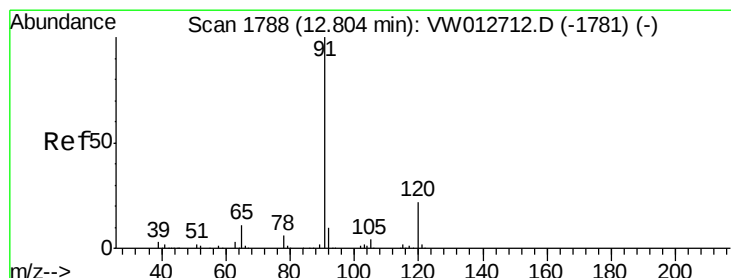
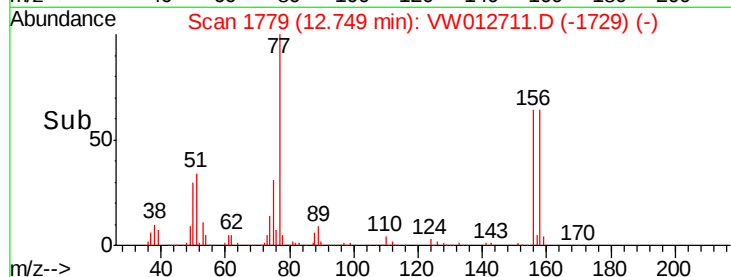
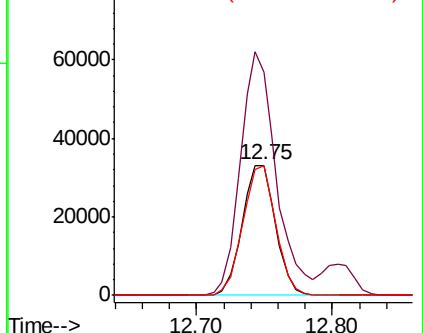
158 99.0 48.9 146.8



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: 19.746 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012711.D

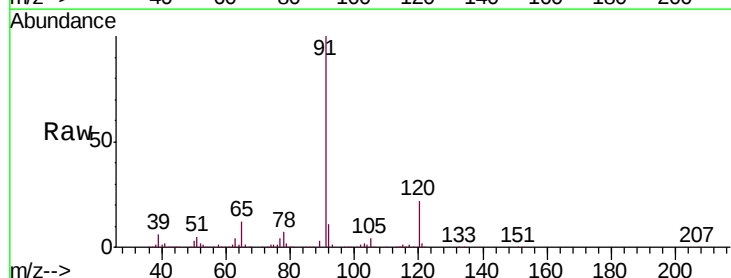
Acq: 07 Sep 2019 10:38

Tgt Ion: 91 Resp: 312482

Ion Ratio Lower Upper

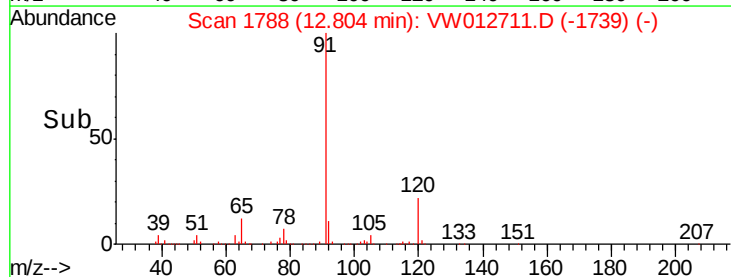
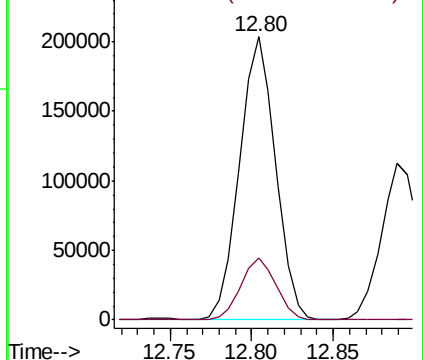
91 100

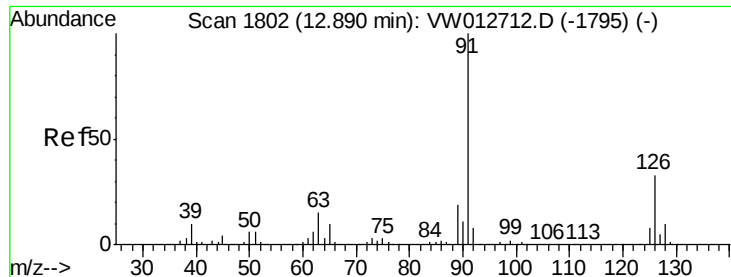
120 21.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

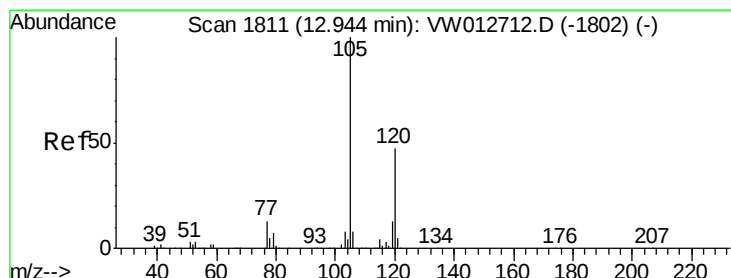
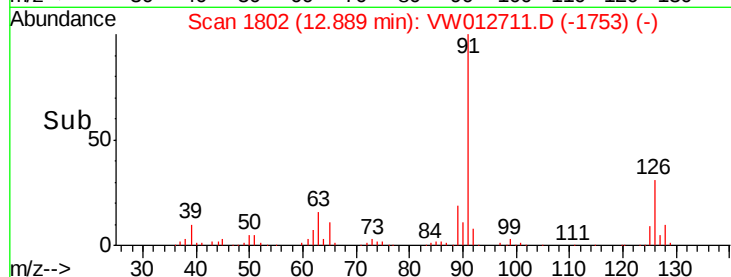
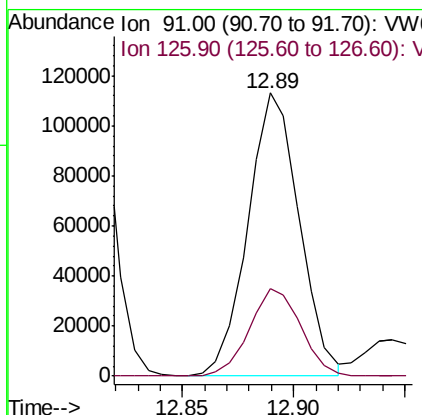
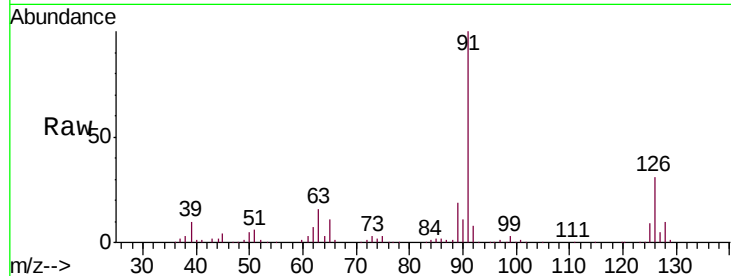




#79
 2-Chlorotoluene
 Concen: 19.915 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

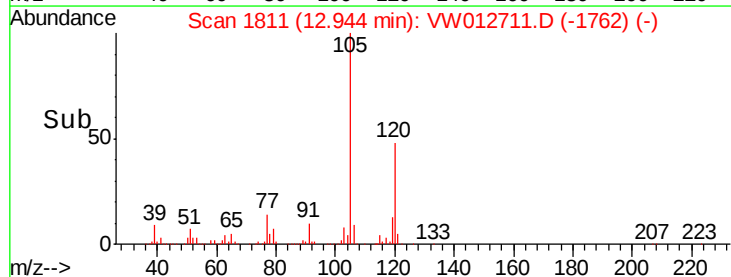
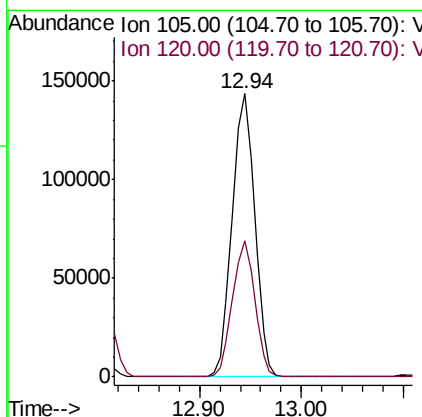
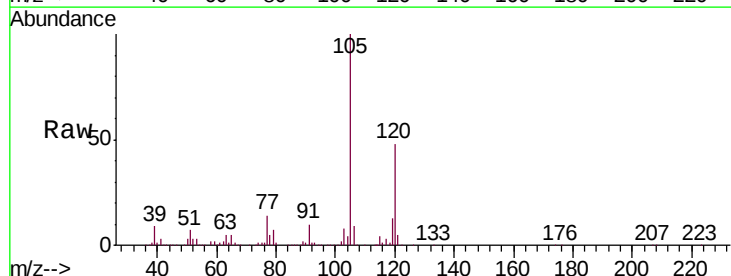
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

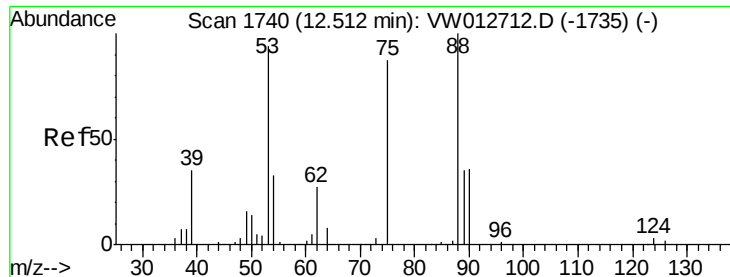
Tgt Ion: 91 Resp: 180921
 Ion Ratio Lower Upper
 91 100
 126 31.1 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.765 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion: 105 Resp: 220363
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.175 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

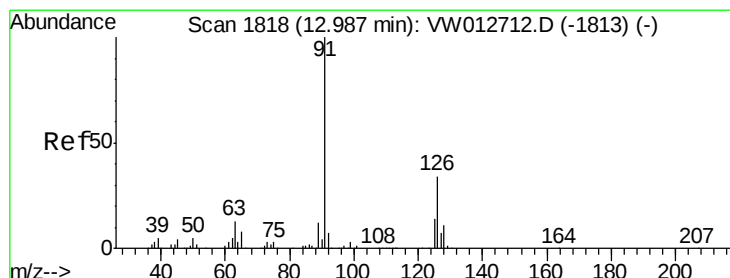
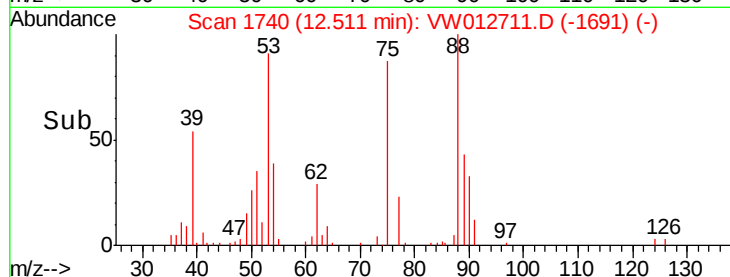
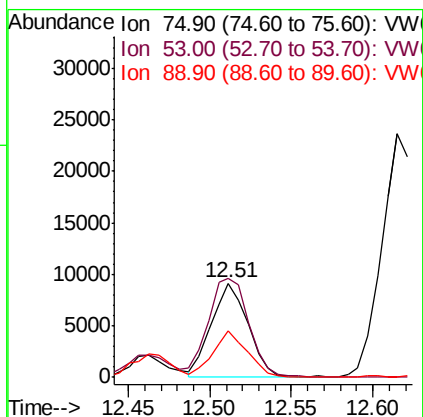
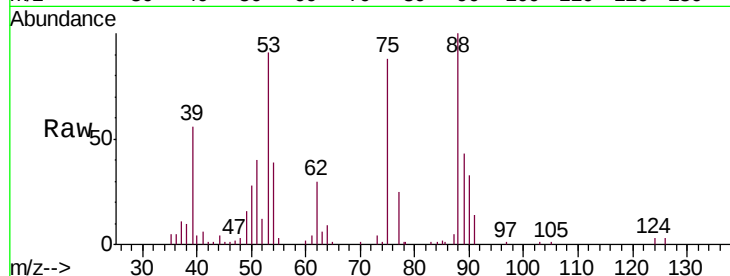
Tgt Ion: 75 Resp: 14426

Ion Ratio Lower Upper

75 100

53 116.9 87.6 131.4

89 45.9 35.5 53.3



#82

4-Chlorotoluene

Concen: 19.666 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012711.D

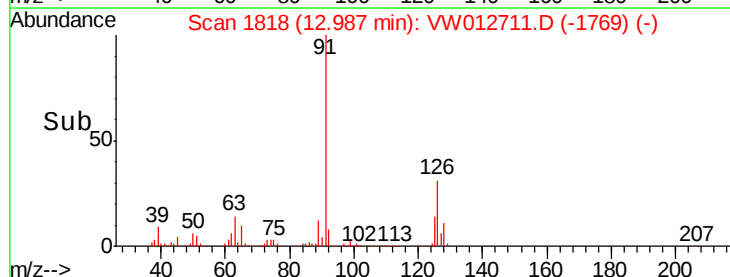
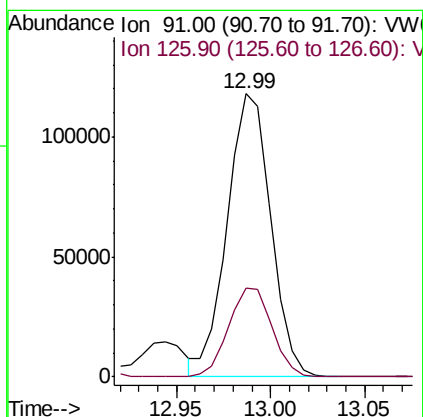
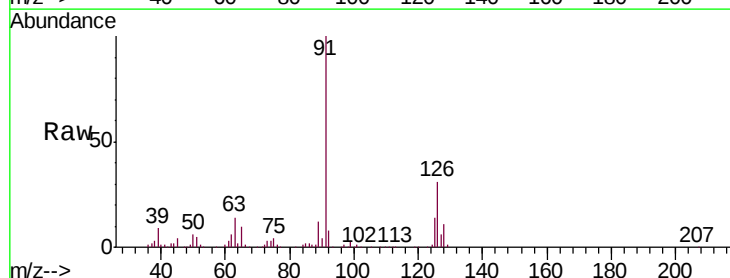
Acq: 07 Sep 2019 10:38

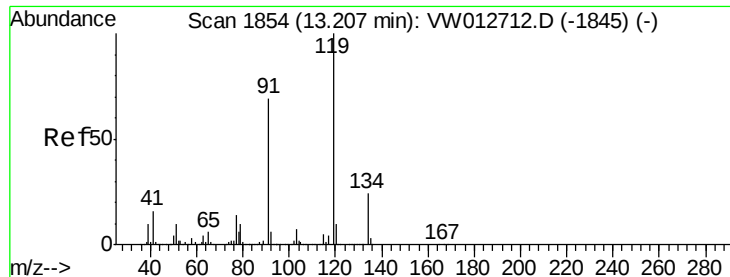
Tgt Ion: 91 Resp: 188977

Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.6





#83

tert-Butylbenzene

Concen: 19.521 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

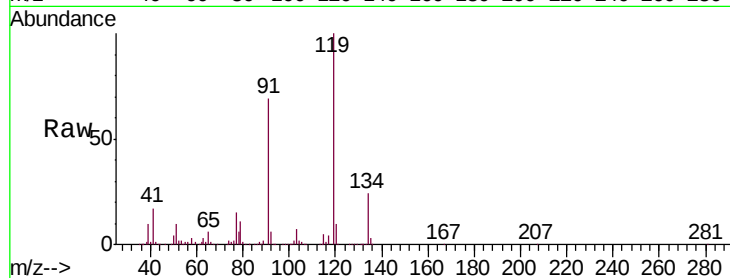
Tgt Ion:119 Resp: 192443

Ion Ratio Lower Upper

119 100

91 67.5 34.2 102.5

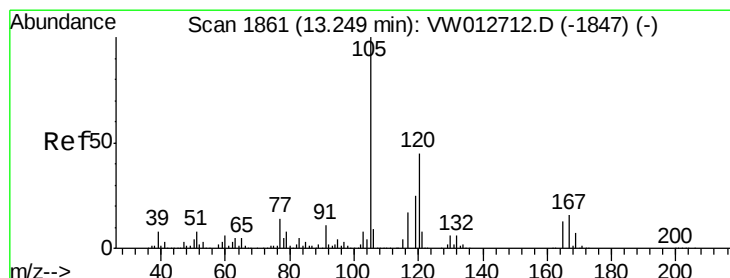
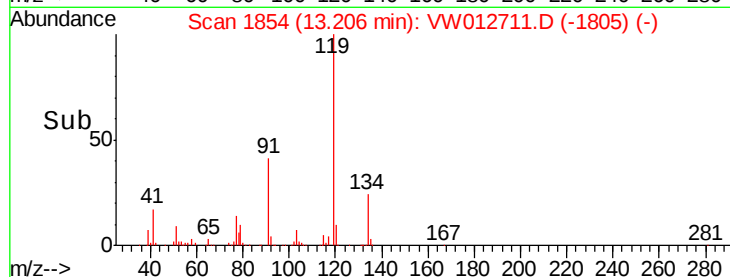
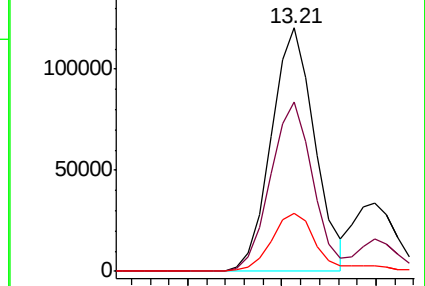
134 23.9 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.698 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012711.D

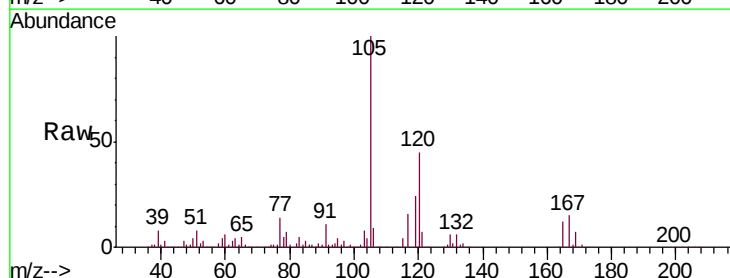
Acq: 07 Sep 2019 10:38

Tgt Ion:105 Resp: 221293

Ion Ratio Lower Upper

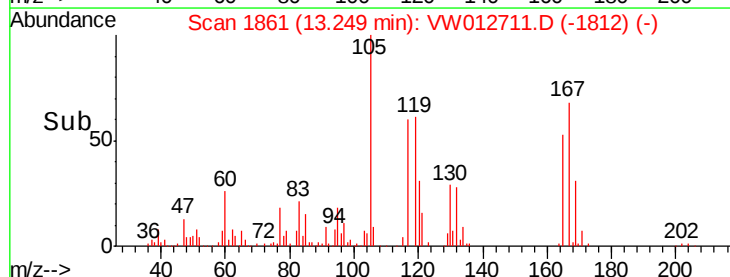
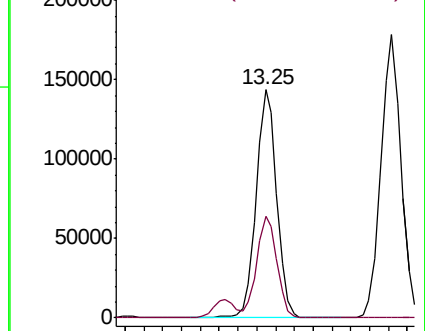
105 100

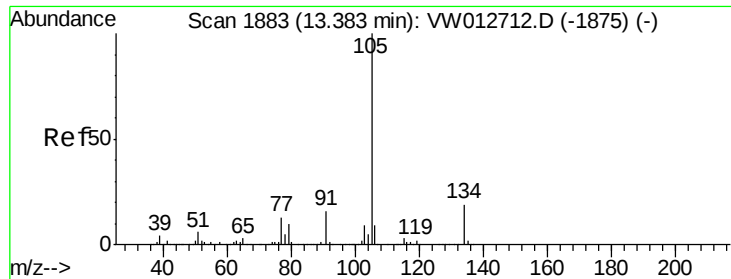
120 43.9 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

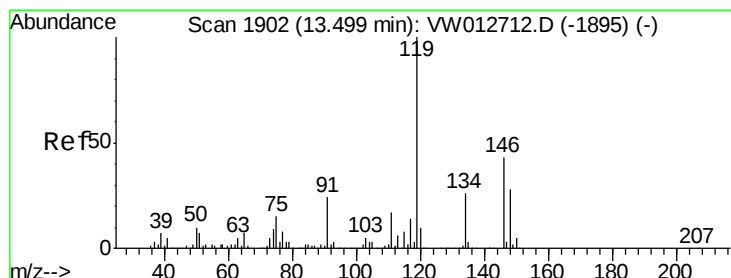
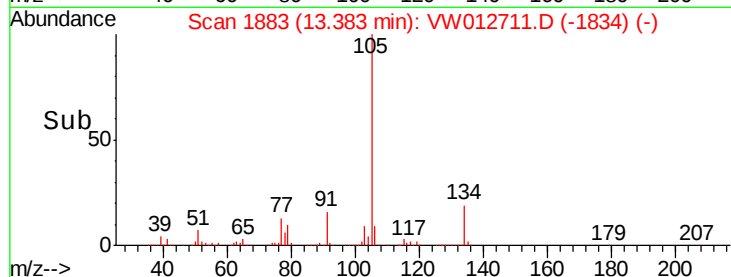
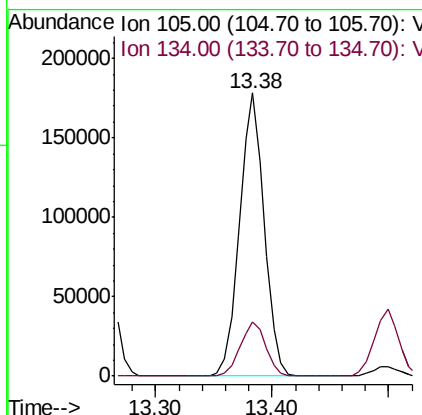
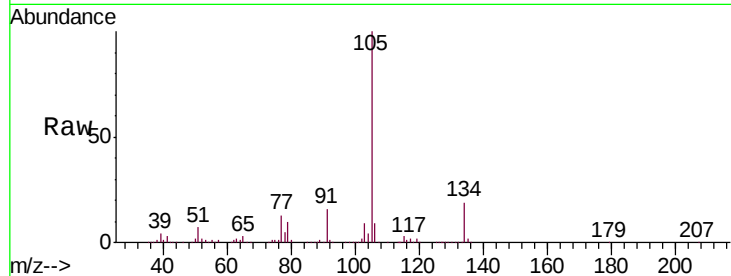




#85
 sec-Butylbenzene
 Concen: 19.187 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

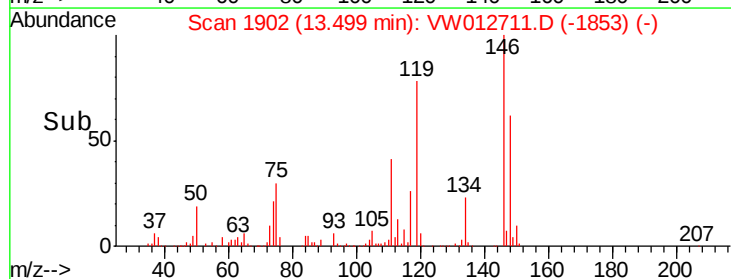
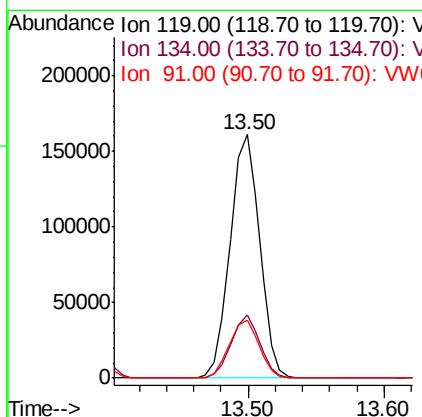
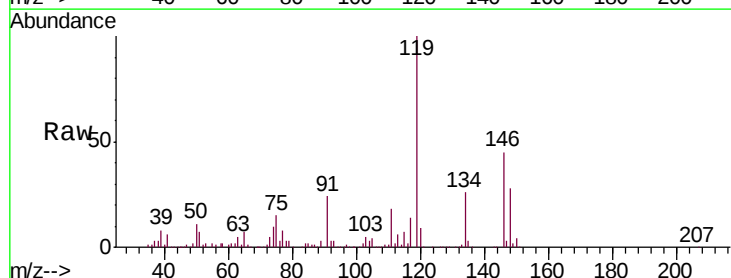
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

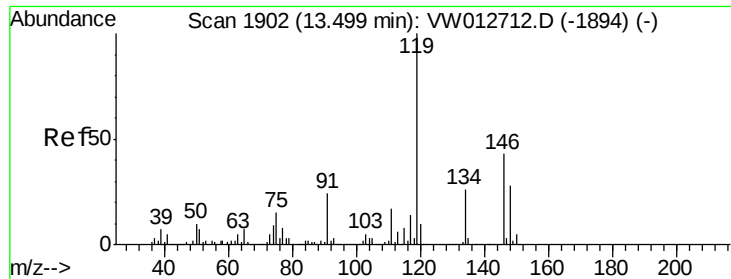
Tgt Ion:105 Resp: 262469
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 19.522 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion:119 Resp: 243932
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.7 38.1
 91 24.3 12.2 36.6

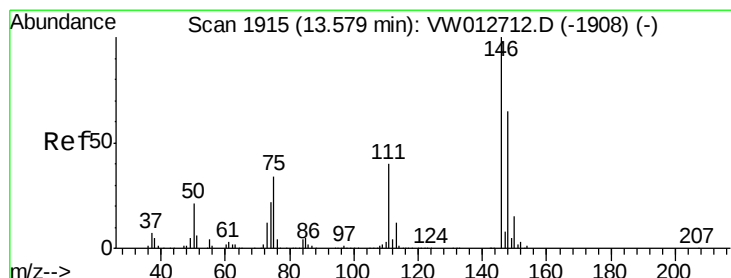
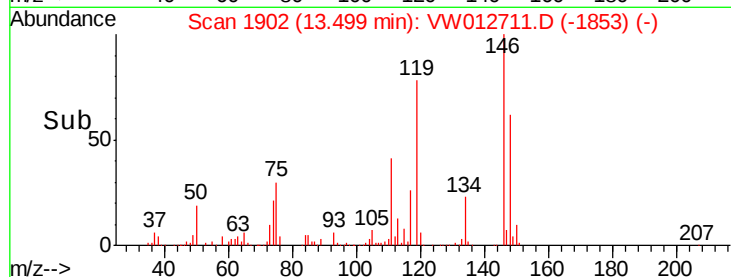
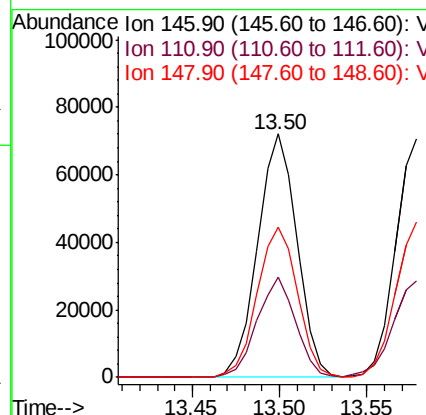
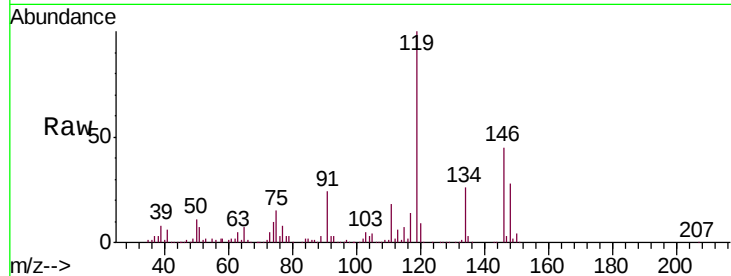




#87
 1,3-Dichlorobenzene
 Concen: 19.144 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

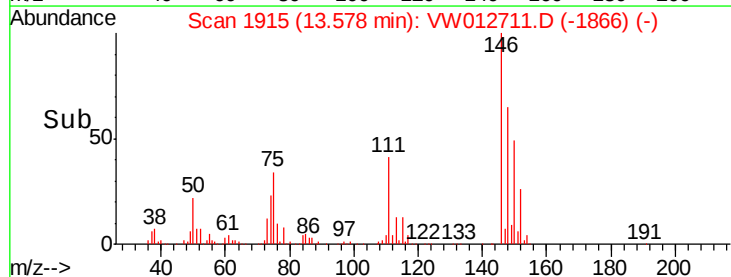
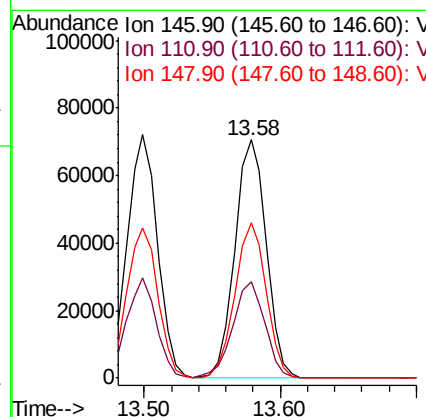
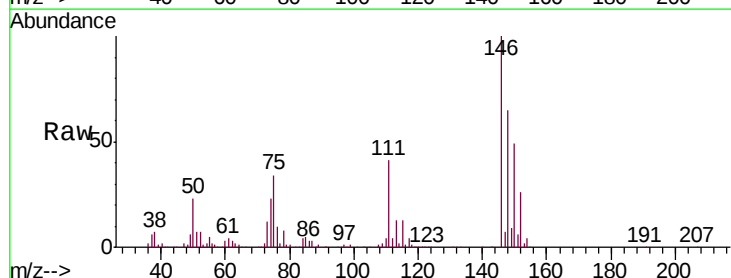
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

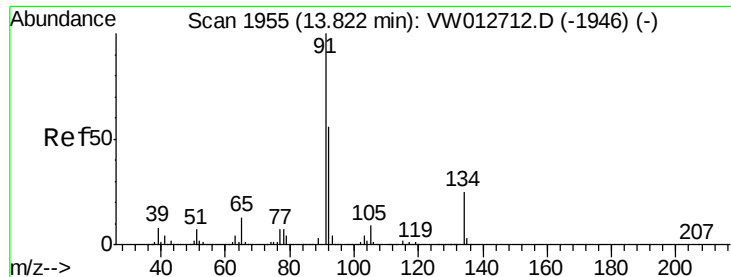
Tgt Ion:146 Resp: 112801
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.4 61.2
 148 63.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.291 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion:146 Resp: 113105
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 60.0
 148 65.1 32.2 96.6





#89

n-Butylbenzene

Concen: 19.452 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

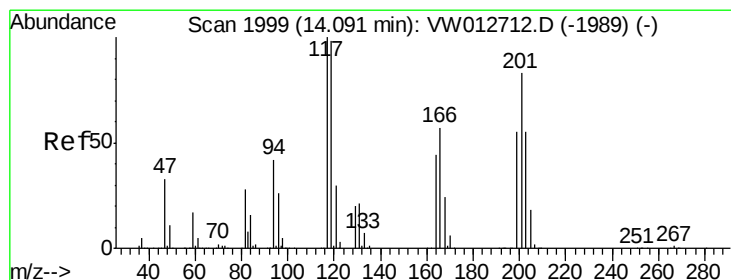
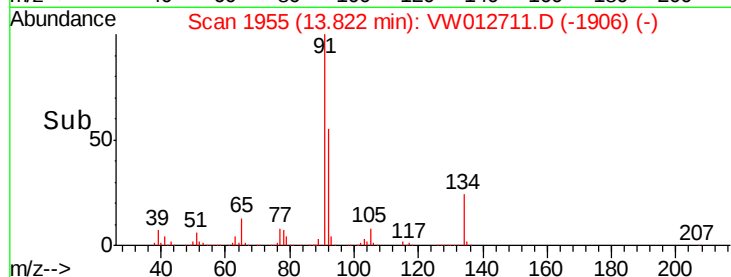
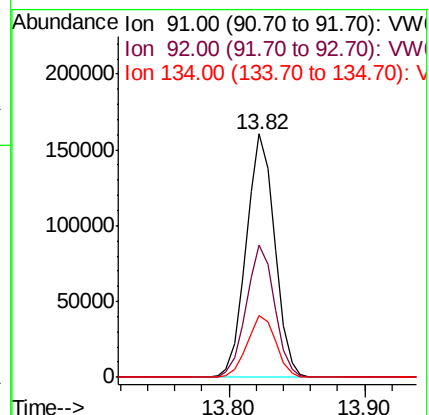
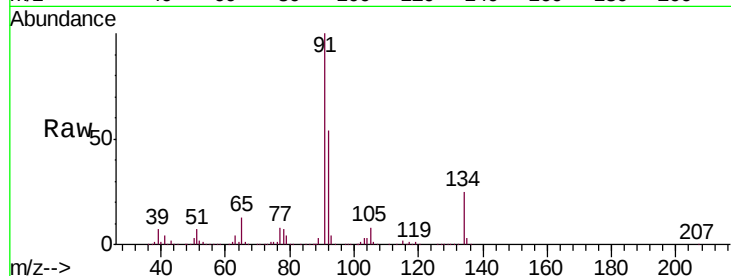
Tgt Ion: 91 Resp: 235968

Ion Ratio Lower Upper

91 100

92 54.0 27.2 81.5

134 25.6 12.7 38.1



#90

Hexachloroethane

Concen: 19.305 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012711.D

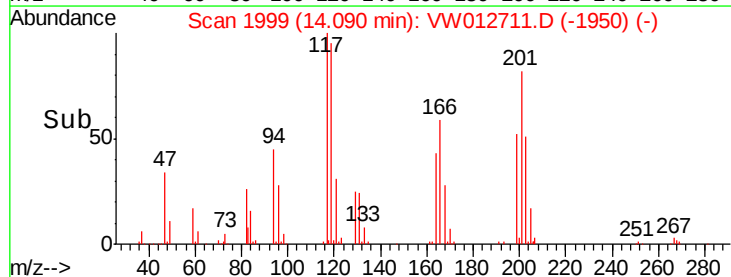
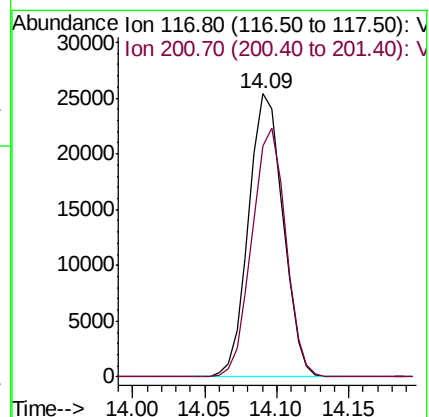
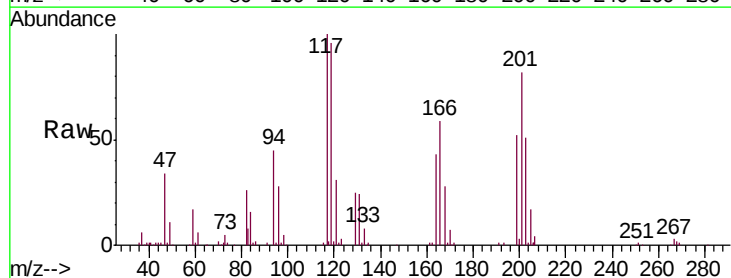
Acq: 07 Sep 2019 10:38

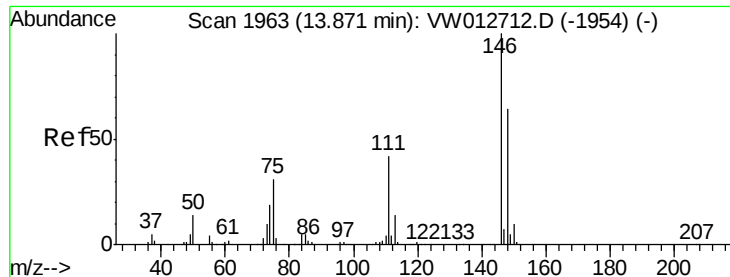
Tgt Ion: 117 Resp: 42112

Ion Ratio Lower Upper

117 100

201 86.2 42.8 128.4





#91

1,2-Dichlorobenzene

Concen: 19.034 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

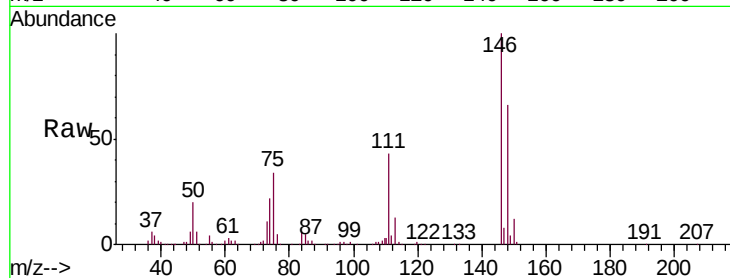
Tgt Ion:146 Resp: 100941

Ion Ratio Lower Upper

146 100

111 43.4 21.3 63.9

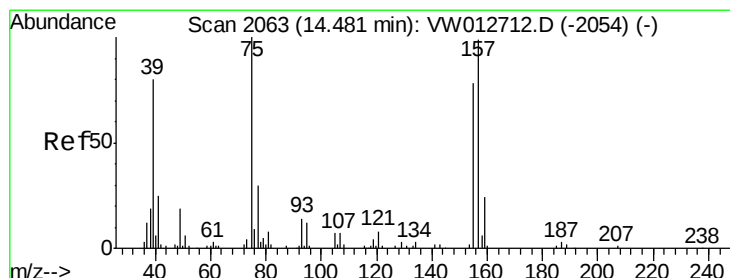
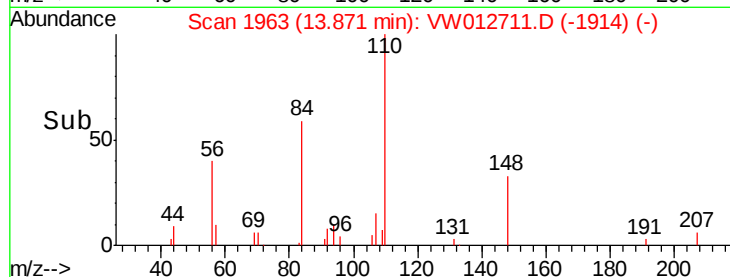
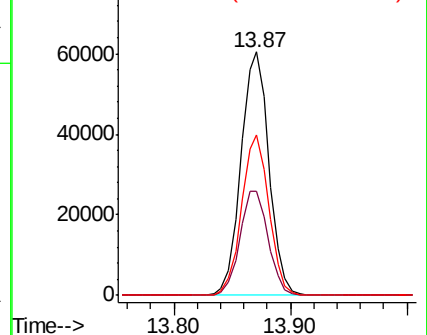
148 64.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.879 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

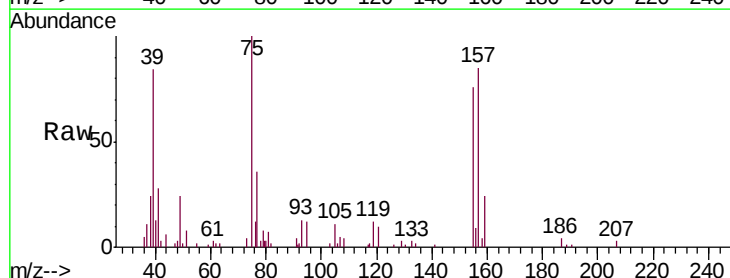
Tgt Ion: 75 Resp: 7722

Ion Ratio Lower Upper

75 100

155 76.9 40.6 122.0

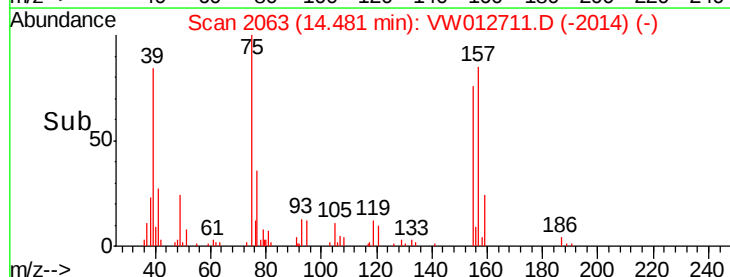
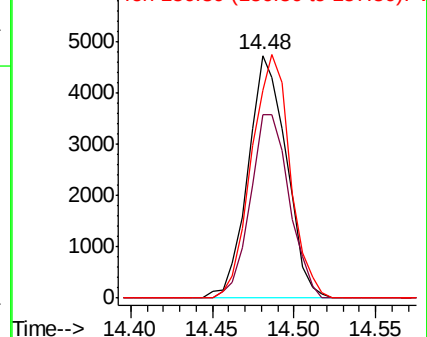
157 101.0 52.5 157.5

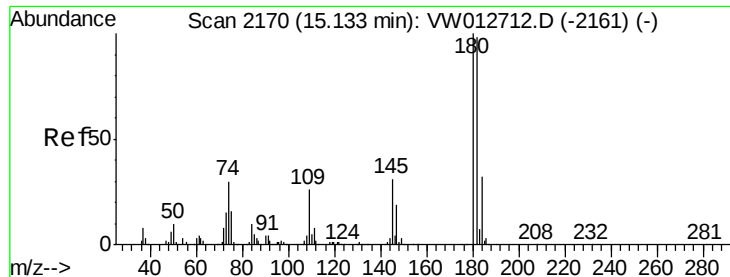


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

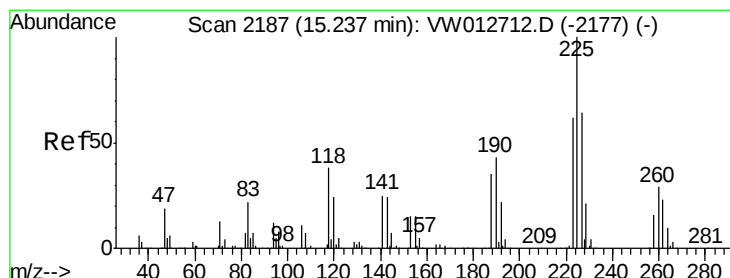
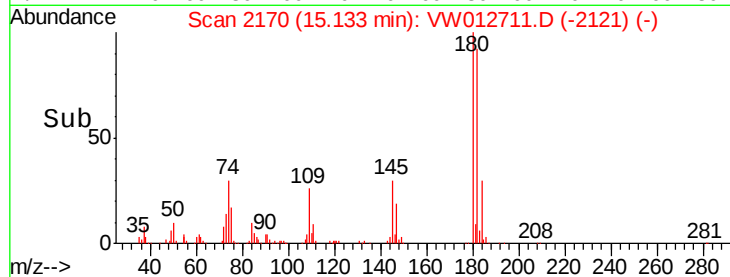
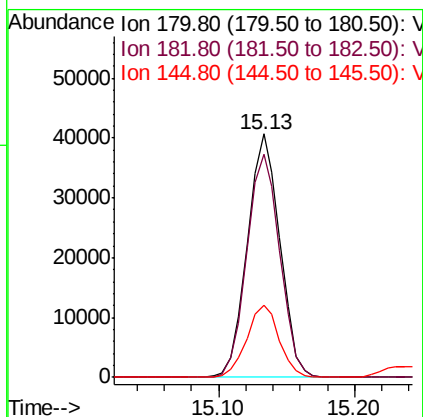
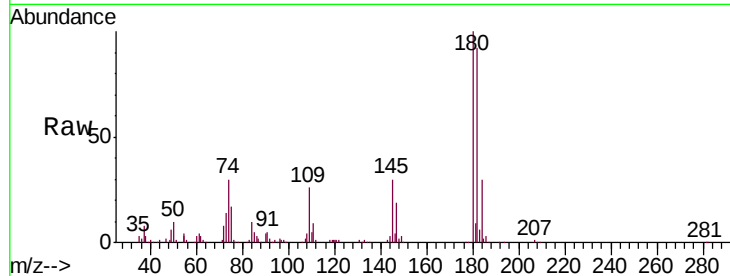




#93
 1,2,4-Trichlorobenzene
 Concen: 18.428 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

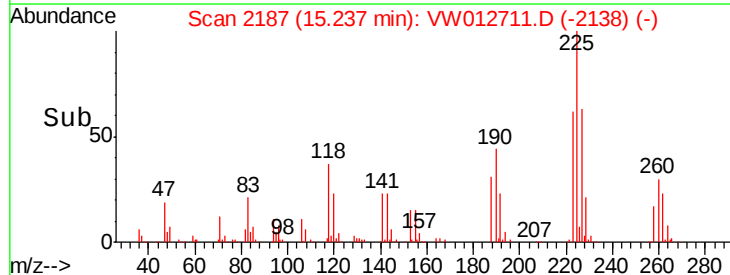
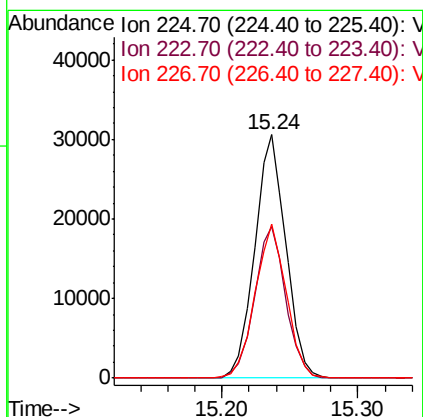
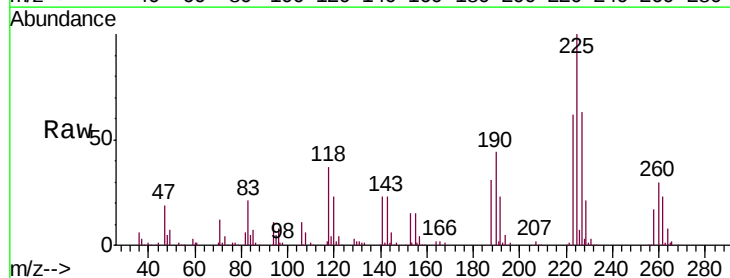
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

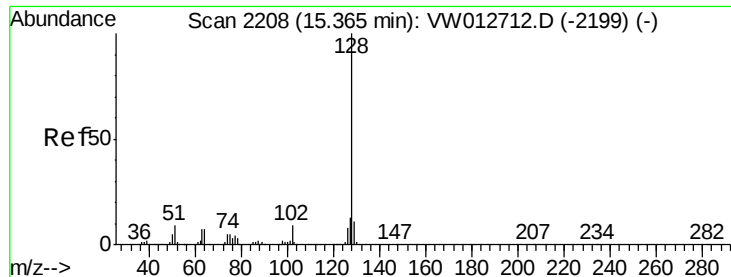
Tgt Ion:180 Resp: 68043
 Ion Ratio Lower Upper
 180 100
 182 93.2 48.7 146.1
 145 29.7 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 19.132 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012711.D
 Acq: 07 Sep 2019 10:38

Tgt Ion:225 Resp: 48894
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.3
 227 63.6 31.4 94.2

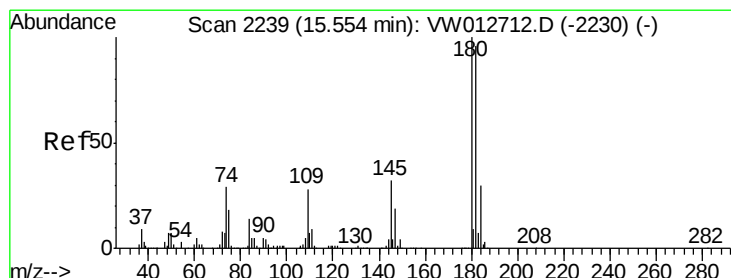
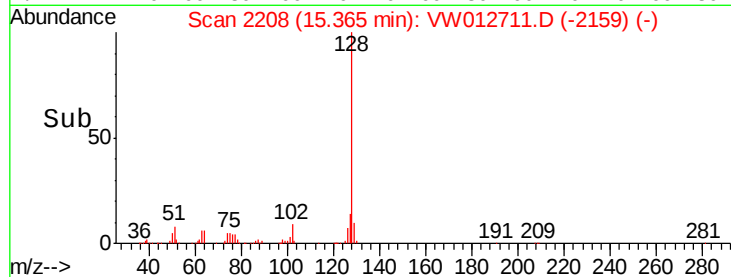
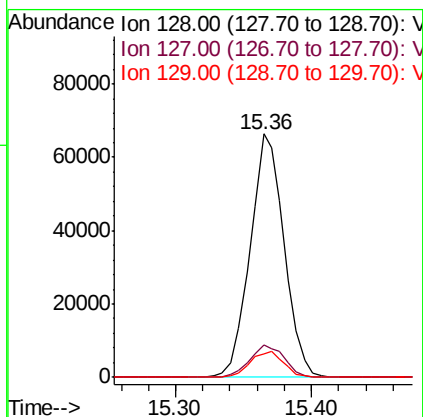
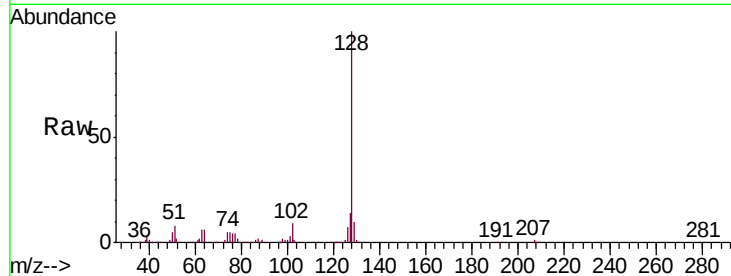




#95
Naphthalene
Concen: 16.852 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 115847
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.580 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW012711.D
Acq: 07 Sep 2019 10:38

Tgt Ion:180 Resp: 60554
Ion Ratio Lower Upper
180 100
182 95.8 47.8 143.3
145 31.1 15.4 46.2

