

Data File : VW013416.D
Acq On : 03 Oct 2019 13:09
Operator : SY/VA
Sample : VW1003SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

Quant Time: Oct 04 08:21:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	435179	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	193695	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	125334	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
35) Dibromofluoromethane	7.88	113	122893	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
50) Toluene-d8	10.32	98	516413	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
62) 4-Bromofluorobenzene	12.62	95	172200	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	23273	19.699	ug/l	99
3) Chloromethane	2.21	50	41407	21.239	ug/l	97
4) Vinyl Chloride	2.36	62	60155	21.742	ug/l	99
5) Bromomethane	2.77	94	34728	20.430	ug/l	98
6) Chloroethane	2.92	64	31659	19.816	ug/l	97
7) Trichlorofluoromethane	3.25	101	27357	22.791	ug/l	93
8) Diethyl Ether	3.68	74	28268	20.346	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	56845	21.360	ug/l	98
10) Methyl Iodide	4.26	142	90023	20.946	ug/l	99
11) Tert butyl alcohol	5.12	59	3725	Below Cal	#	73
12) 1,1-Dichloroethene	4.03	96	59277	21.082	ug/l	97
13) Acrolein	3.89	56	26516	120.704	ug/l	99
14) Allyl chloride	4.67	41	91064	21.893	ug/l	97
15) Acrylonitrile	5.36	53	71145	113.277	ug/l	98
16) Acetone	4.13	43	60727	86.868	ug/l	96
17) Carbon Disulfide	4.38	76	159519	20.336	ug/l	97
18) Methyl Acetate	4.67	43	36806	22.495	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	87791	21.214	ug/l	100
20) Methylene Chloride	4.91	84	68396	22.450	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	62046	20.721	ug/l	94
22) Diisopropyl ether	6.31	45	168559	20.984	ug/l	97
23) Vinyl Acetate	6.25	43	511958	106.215	ug/l	100
24) 1,1-Dichloroethane	6.21	63	103922	21.240	ug/l	99
25) 2-Butanone	7.17	43	91420	102.201	ug/l	96
26) 2,2-Dichloropropane	7.17	77	63081	21.332	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	64533	20.589	ug/l	99
28) Bromochloromethane	7.51	49	34093	19.273	ug/l	94
29) Tetrahydrofuran	7.53	42	58390	117.569	ug/l	99
30) Chloroform	7.67	83	100255	20.897	ug/l	99
31) Cyclohexane	7.95	56	107537	20.610	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	82480	21.945	ug/l	98
36) 1,1-Dichloropropene	8.08	75	88300	21.846	ug/l	98
37) Ethyl Acetate	7.25	43	40882	22.998	ug/l	98
38) Carbon Tetrachloride	8.06	117	75203	21.478	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	110116	20.686	ug/l	98
40) Benzene	8.32	78	240422	21.012	ug/l	97
41) Methacrylonitrile	7.48	41	24583	22.855	ug/l	100
42) 1,2-Dichloroethane	8.40	62	63562	21.614	ug/l	98
43) Isopropyl Acetate	8.42	43	71589	21.322	ug/l	99
44) Trichloroethene	9.09	130	68468	21.250	ug/l	98
45) 1,2-Dichloropropane	9.37	63	56991	20.745	ug/l	94
46) Dibromomethane	9.46	93	29719	21.719	ug/l	98
47) Bromodichloromethane	9.64	83	69219	20.549	ug/l	94
48) Methyl methacrylate	9.43	41	33517	20.776	ug/l	97
49) 1,4-Dioxane	9.47	88	10866	504.602	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	192354	109.044	ug/l	100
52) Toluene	10.38	92	154019	20.870	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71508	20.409	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	87144	20.513	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43031	21.081	ug/l	93
56) Ethyl methacrylate	10.65	69	56810	20.677	ug/l	100
57) 1,3-Dichloropropane	10.93	76	75104	21.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	134063	118.784	ug/l	99
59) 2-Hexanone	10.97	43	128555	105.142	ug/l	97
60) Dibromochloromethane	11.13	129	48677	20.845	ug/l	100
61) 1,2-Dibromoethane	11.23	107	43418	22.012	ug/l	97
64) Tetrachloroethene	10.86	164	59153	20.974	ug/l	97
65) Chlorobenzene	11.66	112	159416	20.991	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	55206	21.343	ug/l	98
67) Ethyl Benzene	11.73	91	289872	21.296	ug/l	100
68) m/p-Xylenes	11.84	106	225771	42.973	ug/l	99
69) o-Xylene	12.16	106	102861	21.175	ug/l	96
70) Styrene	12.18	104	173458	20.889	ug/l	99
71) Bromoform	12.35	173	29059	20.721	ug/l #	98
73) Isopropylbenzene	12.46	105	290687	20.517	ug/l	98
74) N-amyl acetate	12.27	43	61195	20.295	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	52025	21.694	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63875	37.104	ug/l #	100
77) Bromobenzene	12.74	156	68794	20.221	ug/l	98
78) n-propylbenzene	12.80	91	337581	20.713	ug/l	100
79) 2-Chlorotoluene	12.89	91	185676	20.512	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	241122	20.487	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15826	22.108	ug/l	98
82) 4-Chlorotoluene	12.99	91	193201	20.375	ug/l	98
83) tert-Butylbenzene	13.21	119	211269	20.551	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	238669	20.399	ug/l	99
85) sec-Butylbenzene	13.38	105	291776	20.586	ug/l	100
86) p-Isopropyltoluene	13.50	119	271351	20.658	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	131426	20.534	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	128669	20.078	ug/l	99
89) n-Butylbenzene	13.82	91	244978	20.686	ug/l	99
90) Hexachloroethane	14.09	117	44073	20.309	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	114932	20.313	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7576	21.121	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100319\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	79513	19.582	ug/l	98
94) Hexachlorobutadiene	15.24	225	53036	20.106	ug/l	97
95) Naphthalene	15.36	128	134480	19.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	68856	19.422	ug/l	100

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

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Misc : 5.00G/5ML/MSVOA W/SOIL

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

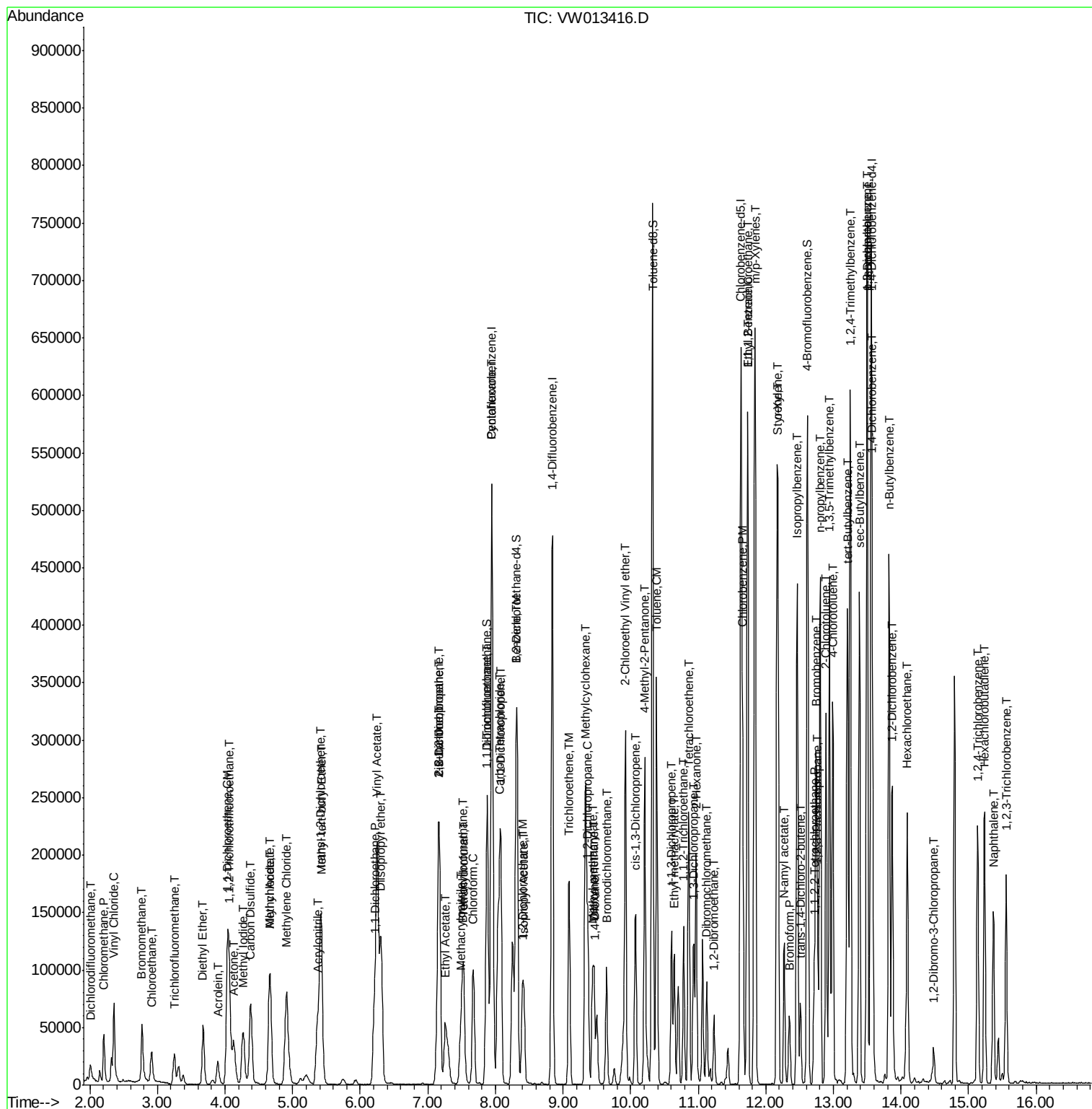
Quant Time: Oct 04 08:21:42 2019

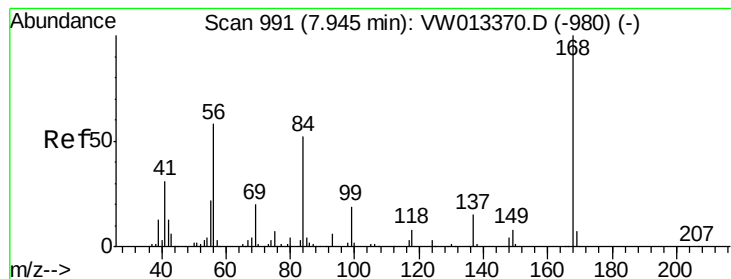
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W100119S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 02 11:49:57 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

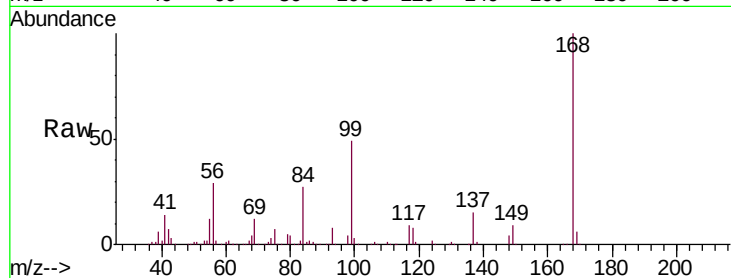
HR-05-100219

Tgt Ion:168 Resp: 305445

Ion Ratio Lower Upper

168 100

99 48.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

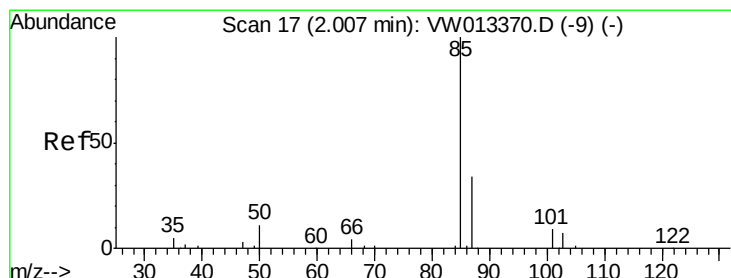
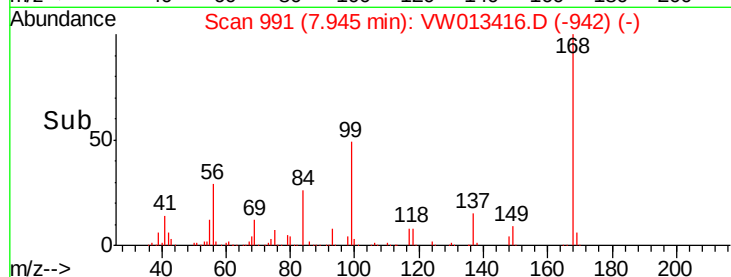
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.699 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013416.D

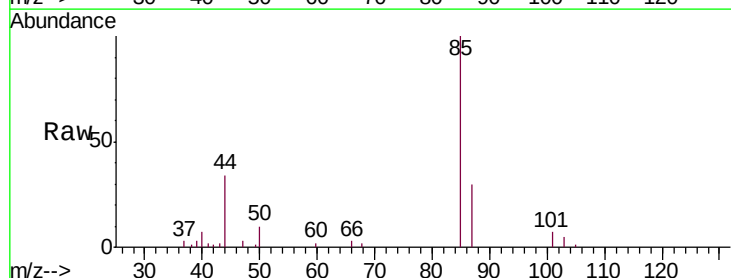
Acq: 03 Oct 2019 13:09

Tgt Ion: 85 Resp: 23273

Ion Ratio Lower Upper

85 100

87 29.6 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

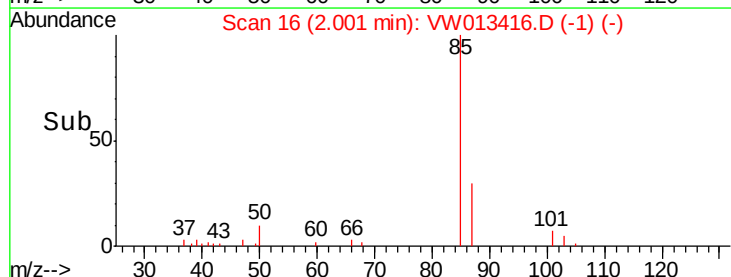
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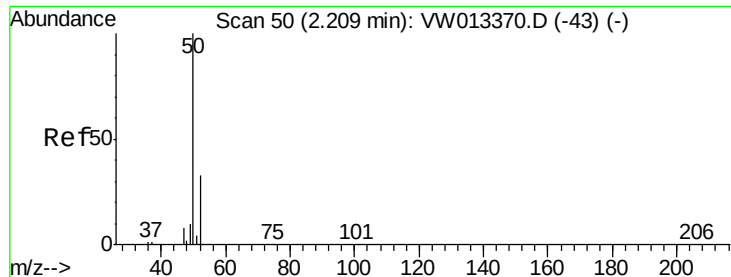
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2000

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Time-->

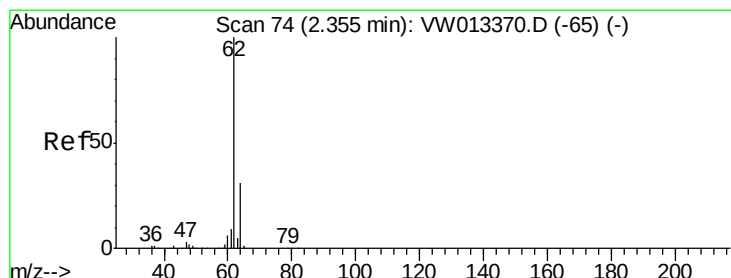
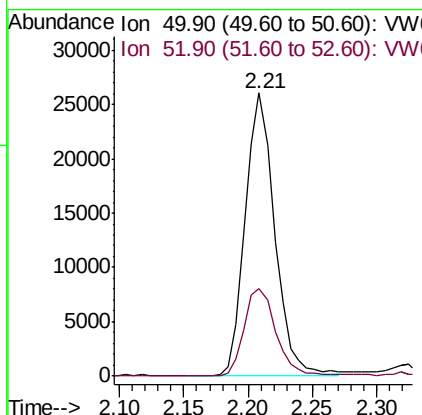
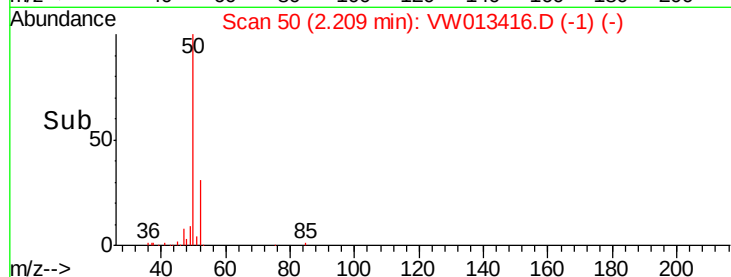
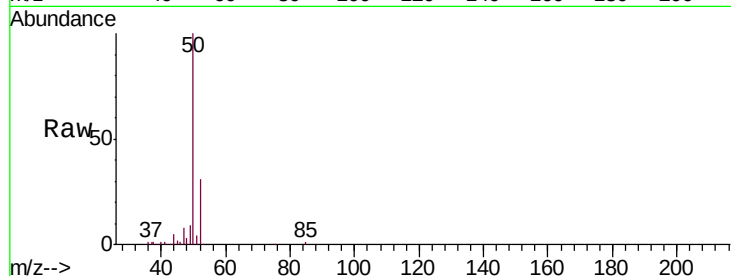




#3
 Chloromethane
 Concen: 21.239 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

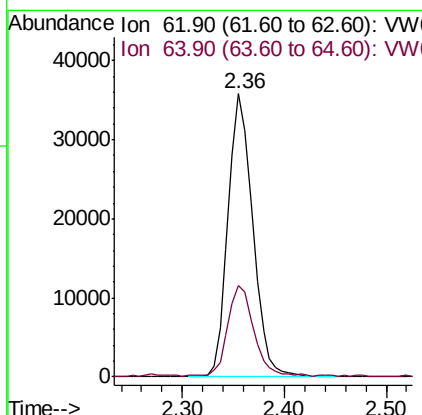
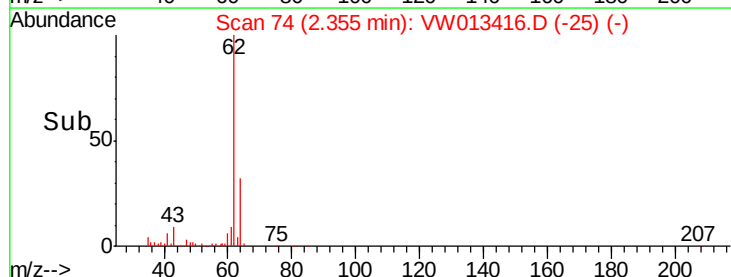
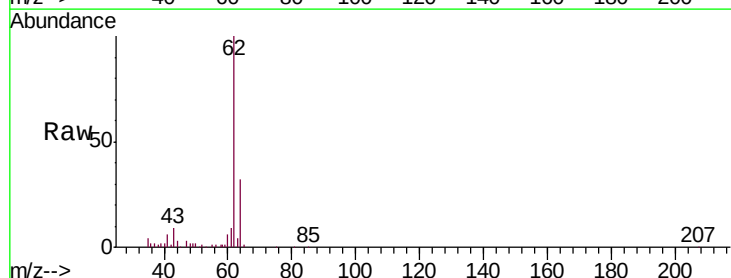
Instrument :
 MSVOA_W
 ClientSampled :
 HR-05-100219

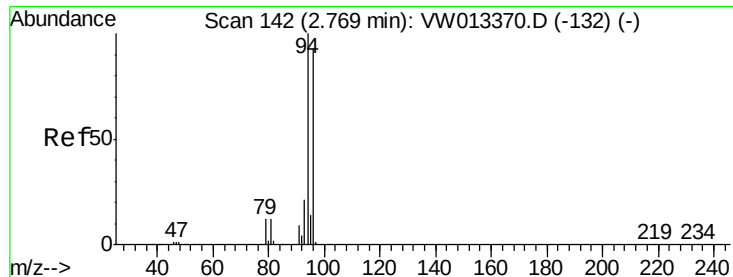
Tgt Ion: 50 Resp: 41407
 Ion Ratio Lower Upper
 50 100
 52 30.8 26.1 39.1



#4
 Vinyl Chloride
 Concen: 21.742 ug/l
 RT: 2.36 min Scan# 74
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 62 Resp: 60155
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.3 37.9





#5

Bromomethane

Concen: 20.430 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

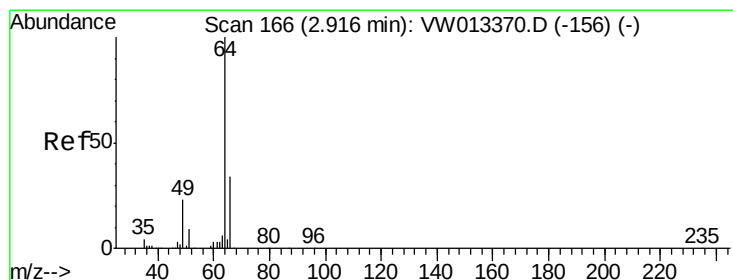
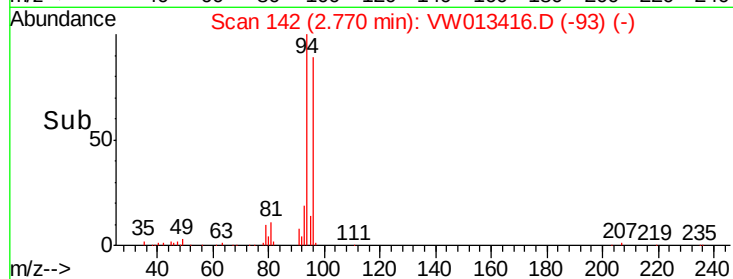
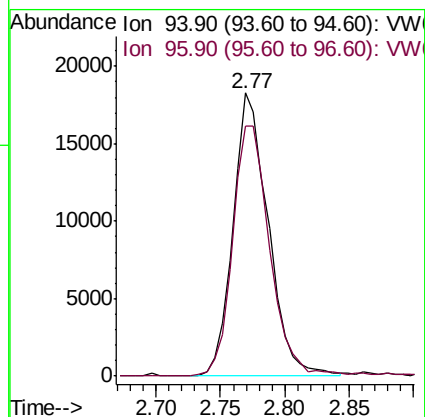
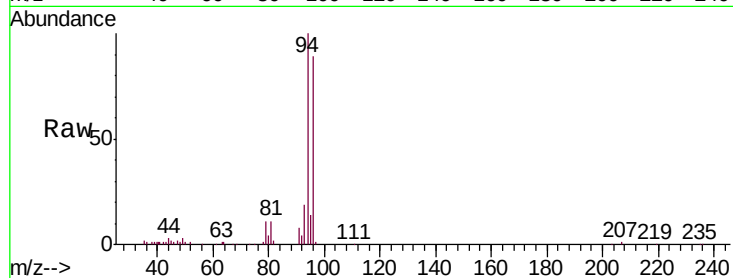
HR-05-100219

Tgt Ion: 94 Resp: 34728

Ion Ratio Lower Upper

94 100

96 88.5 69.7 104.5



#6

Chloroethane

Concen: 19.816 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013416.D

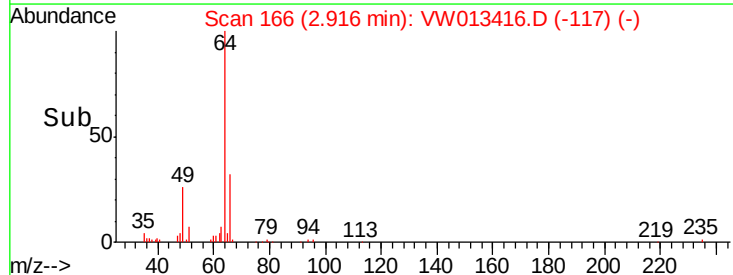
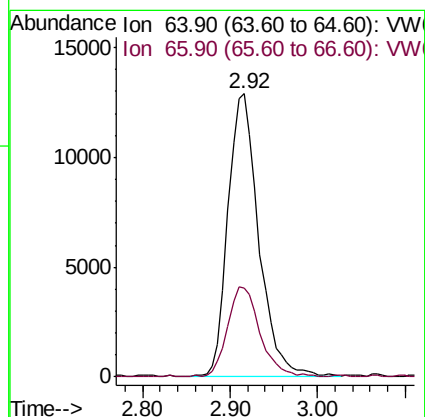
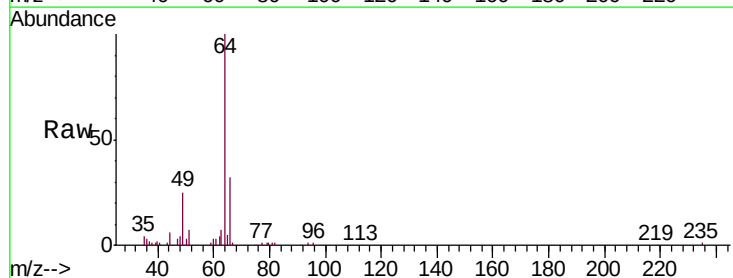
Acq: 03 Oct 2019 13:09

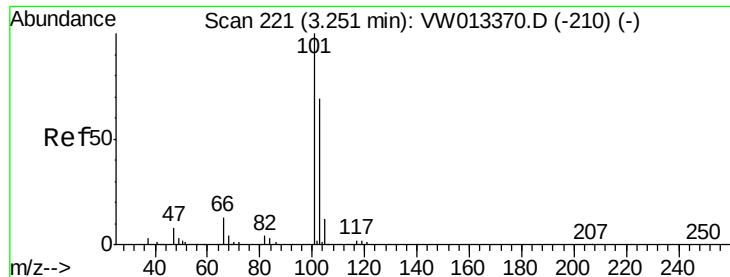
Tgt Ion: 64 Resp: 31659

Ion Ratio Lower Upper

64 100

66 31.5 26.6 39.8



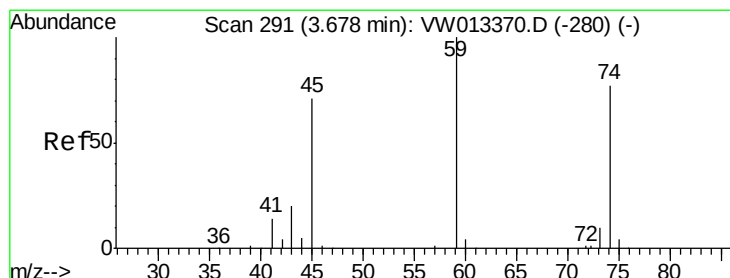
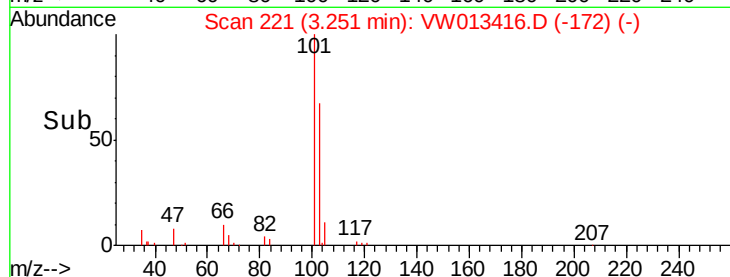
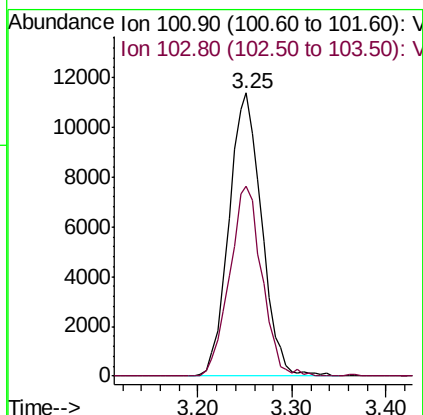
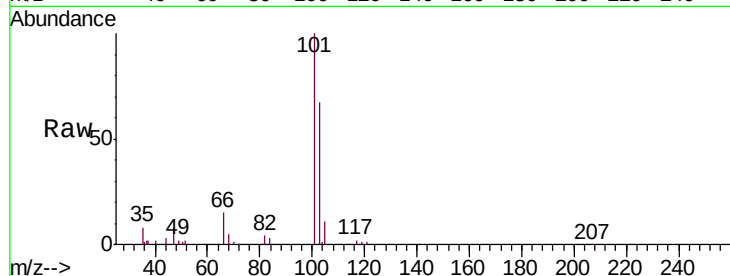


#7

Trichlorofluoromethane
Concen: 22.791 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

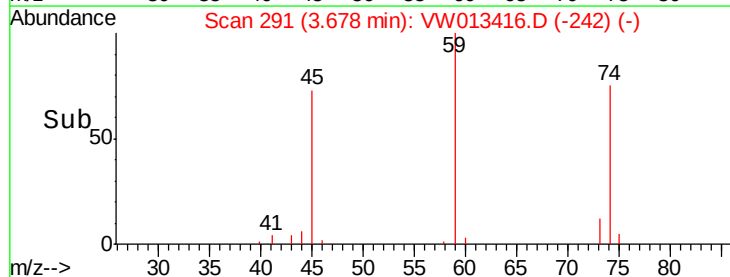
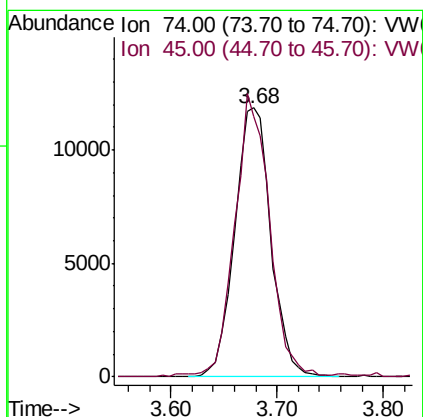
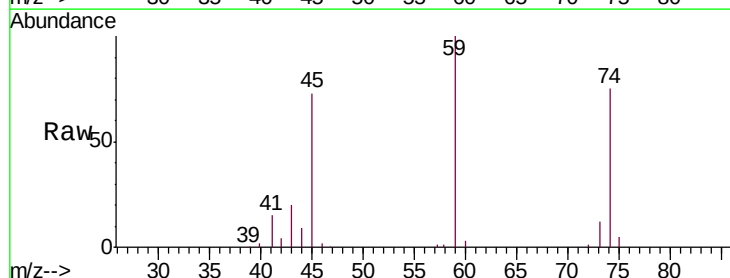
Tgt Ion:101 Resp: 27357
Ion Ratio Lower Upper
101 100
103 67.1 49.7 74.5

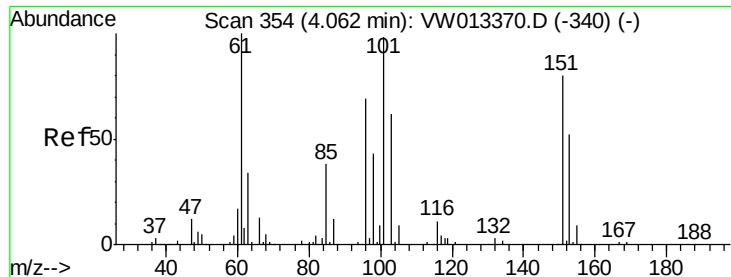


#8

Diethyl Ether
Concen: 20.346 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 74 Resp: 28268
Ion Ratio Lower Upper
74 100
45 101.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.360 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

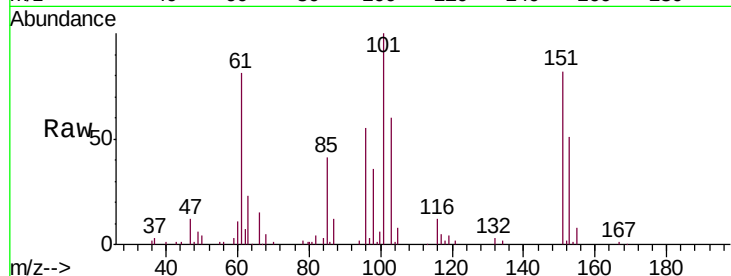
Tgt Ion:101 Resp: 56845

Ion Ratio Lower Upper

101 100

85 40.1 33.4 50.0

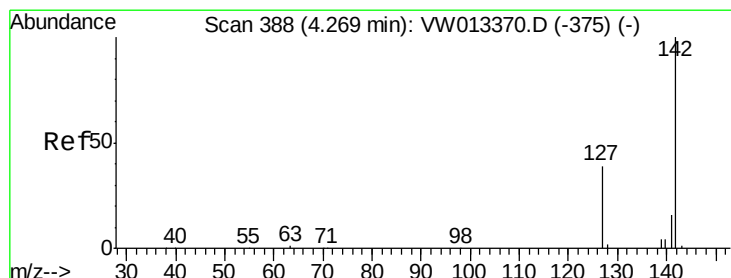
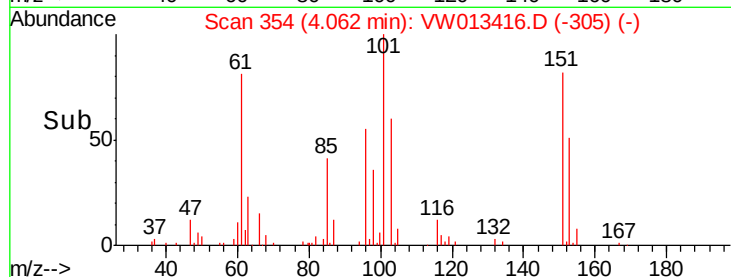
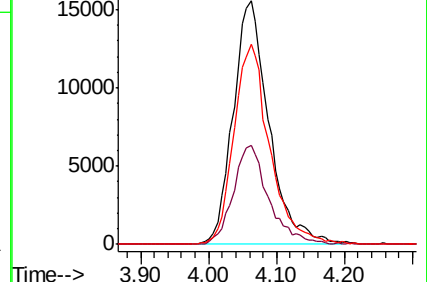
151 82.4 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.946 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

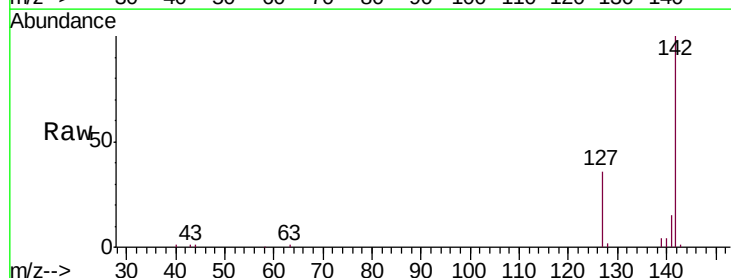
Tgt Ion:142 Resp: 90023

Ion Ratio Lower Upper

142 100

127 37.4 30.9 46.3

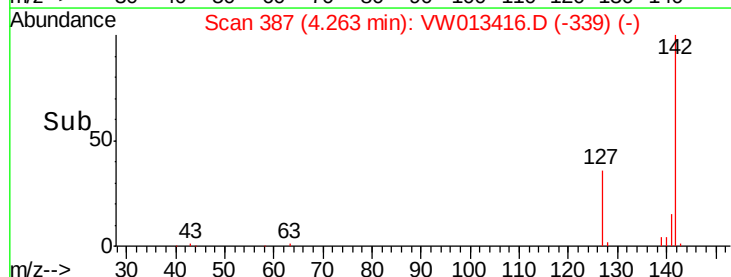
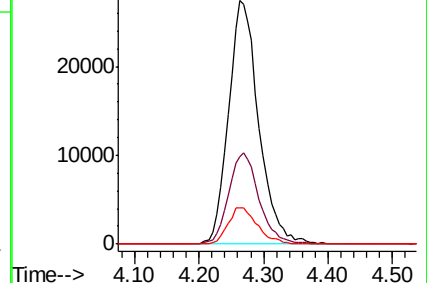
141 14.6 11.7 17.5

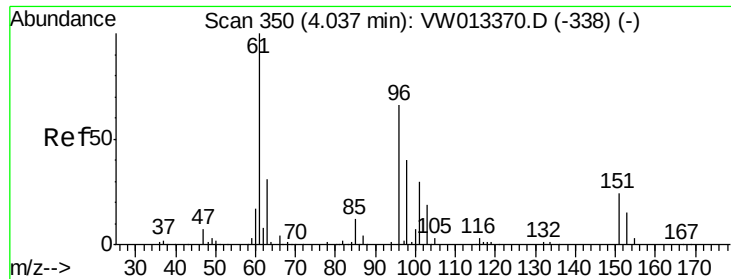


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

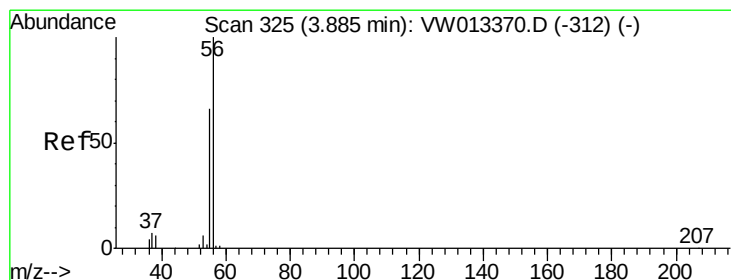
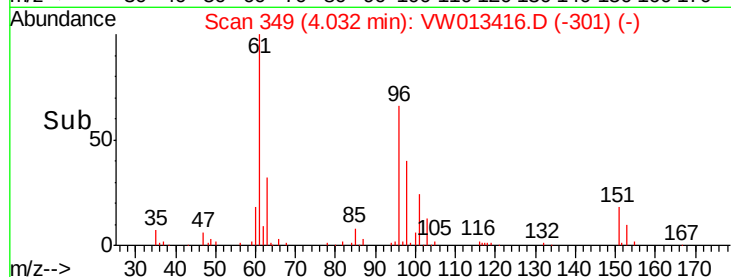
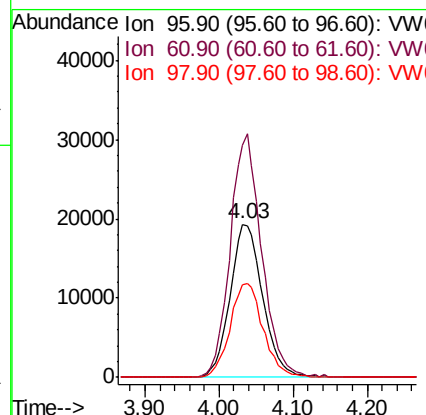
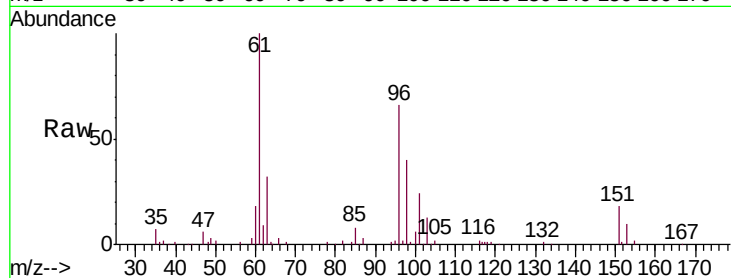




#12
 1,1-Dichloroethene
 Concen: 21.082 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

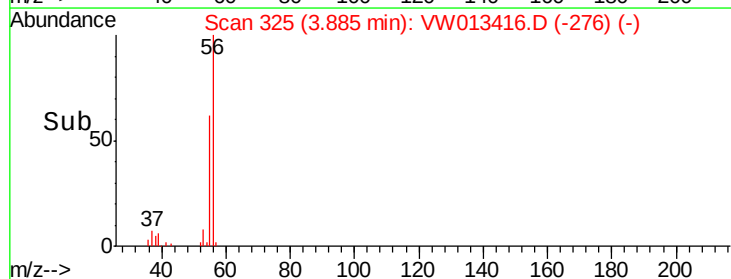
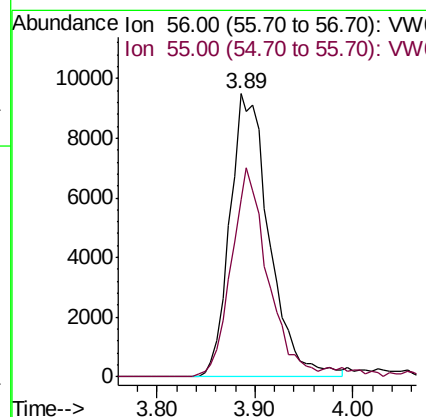
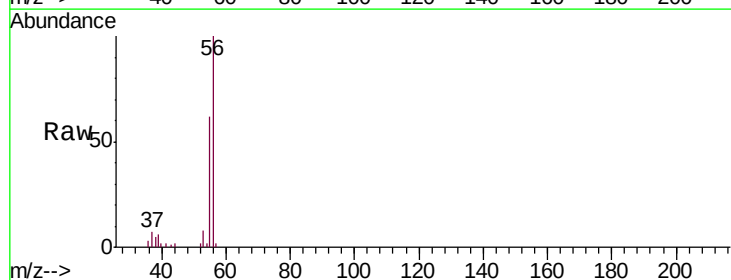
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

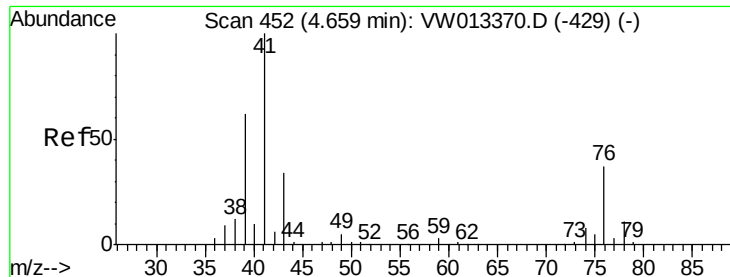
Tgt Ion: 96 Resp: 59277
 Ion Ratio Lower Upper
 96 100
 61 152.1 125.1 187.7
 98 60.8 50.8 76.2



#13
 Acrolein
 Concen: 120.704 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 56 Resp: 26516
 Ion Ratio Lower Upper
 56 100
 55 68.1 55.4 83.0

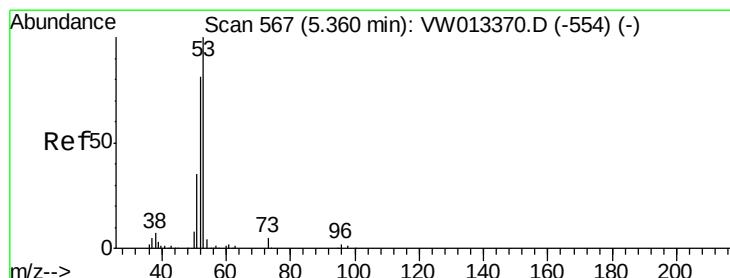
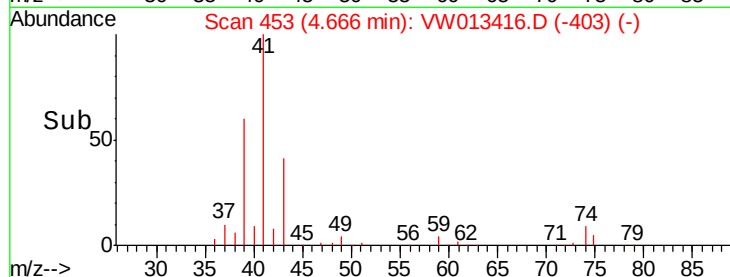
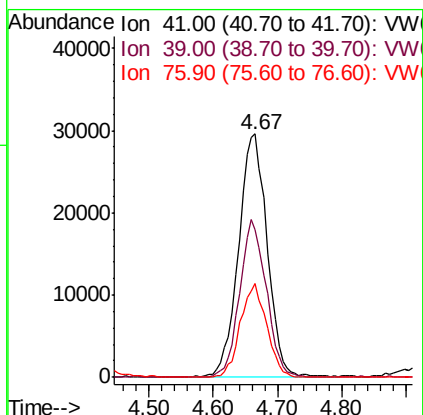
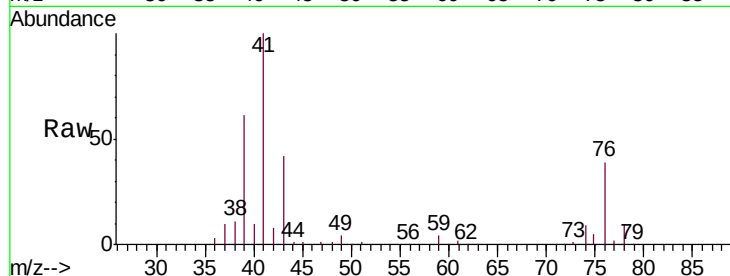




#14
 Allyl chloride
 Concen: 21.893 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

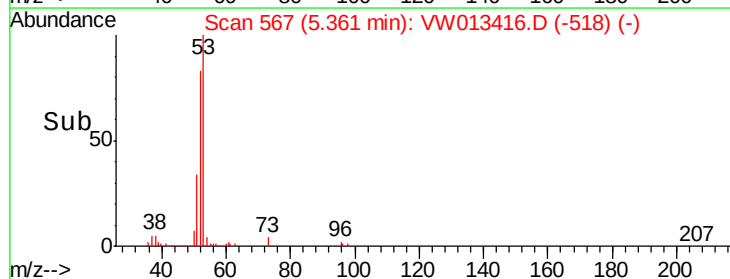
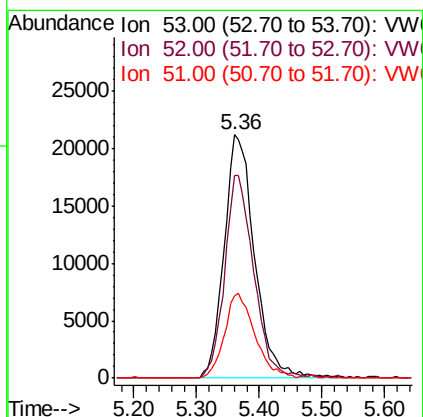
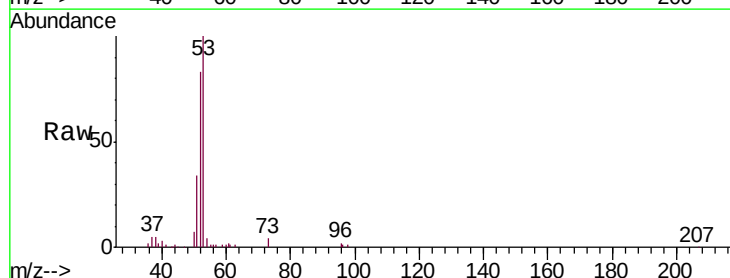
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

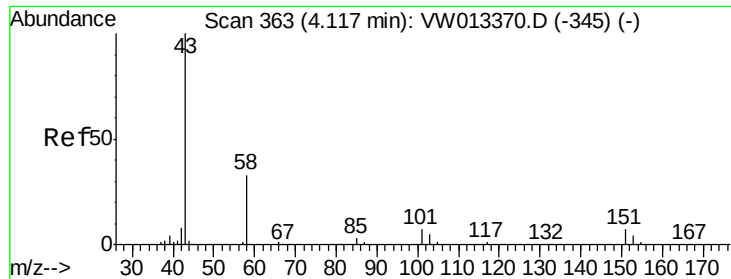
Tgt Ion: 41 Resp: 91064
 Ion Ratio Lower Upper
 41 100
 39 60.2 51.0 76.4
 76 35.2 28.4 42.6



#15
 Acrylonitrile
 Concen: 113.277 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 53 Resp: 71145
 Ion Ratio Lower Upper
 53 100
 52 79.9 65.3 97.9
 51 34.8 29.0 43.4

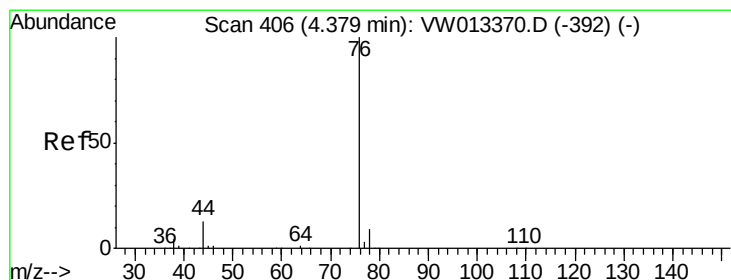
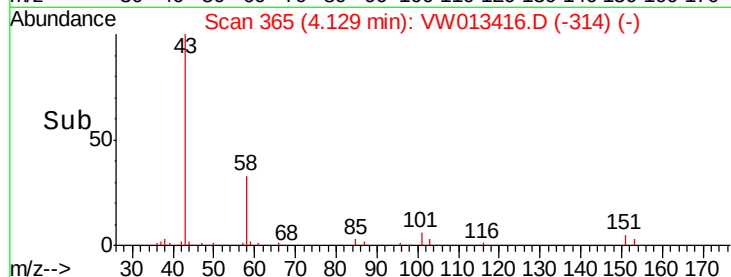
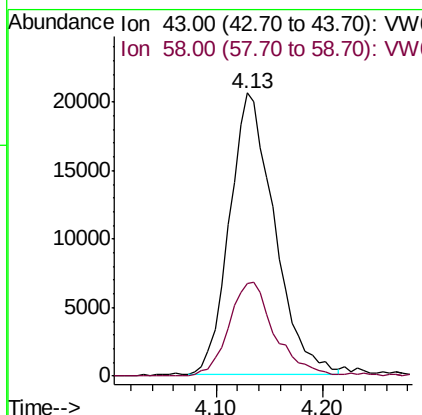
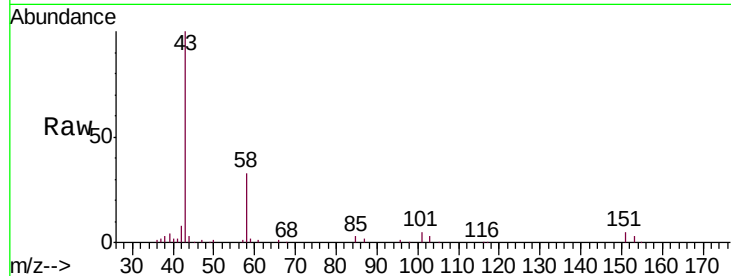




#16
Acetone
Concen: 86.868 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

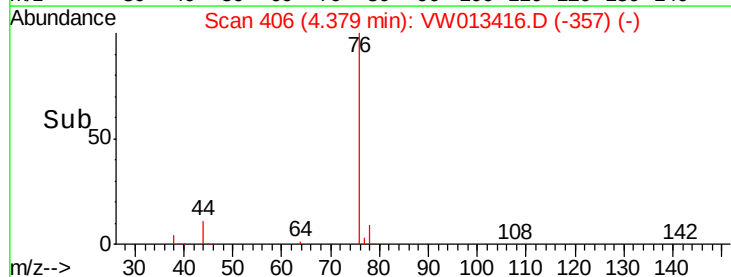
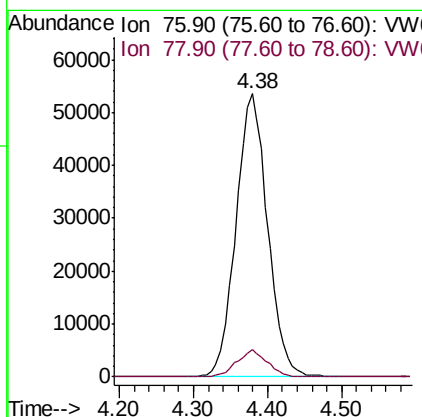
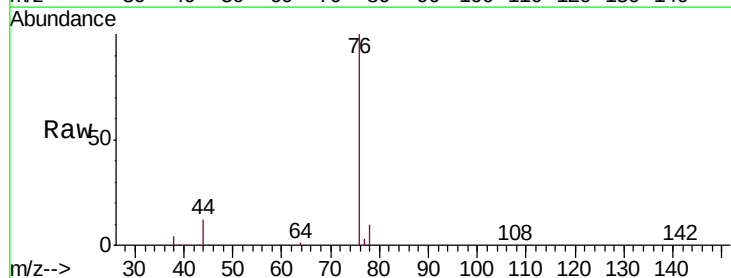
Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

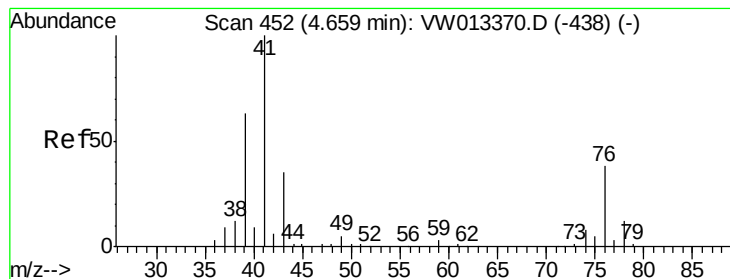
Tgt Ion: 43 Resp: 60727
Ion Ratio Lower Upper
43 100
58 32.5 24.1 36.1



#17
Carbon Disulfide
Concen: 20.336 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 76 Resp: 159519
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.4





#18

Methyl Acetate

Concen: 22.495 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

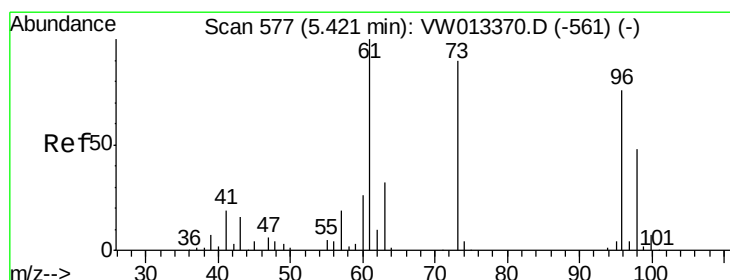
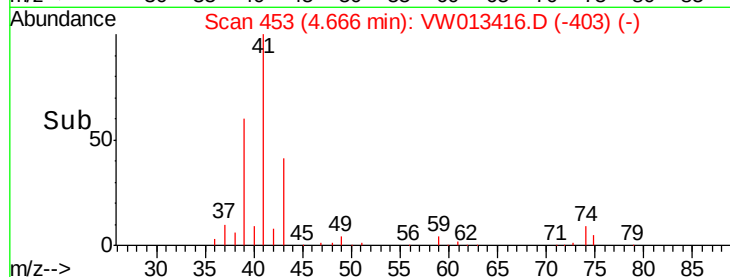
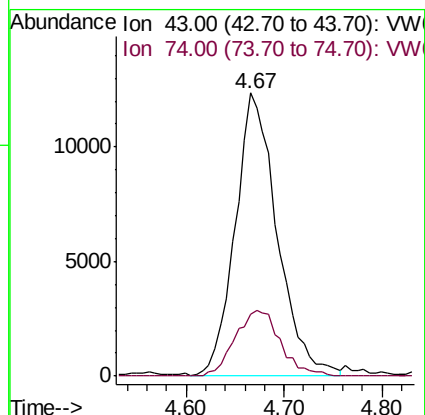
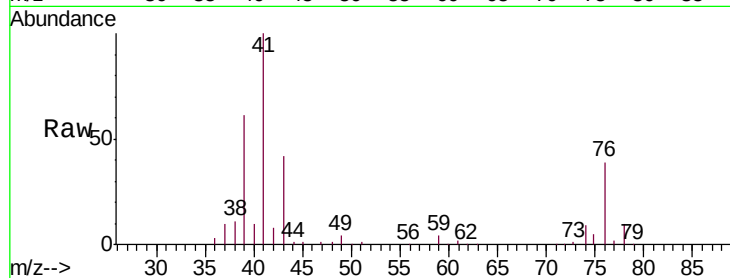
HR-05-100219

Tgt Ion: 43 Resp: 36806

Ion Ratio Lower Upper

43 100

74 25.0 19.3 28.9



#19

Methyl tert-butyl Ether

Concen: 21.214 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013416.D

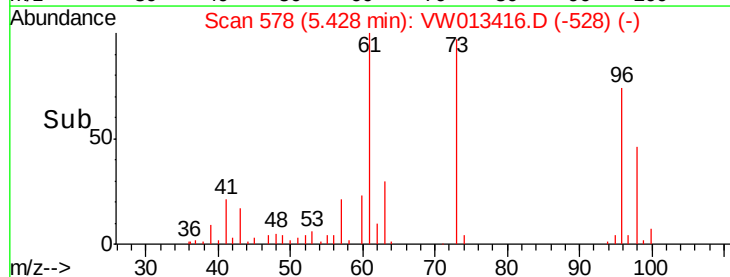
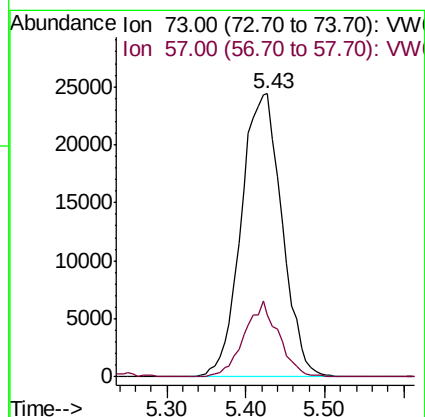
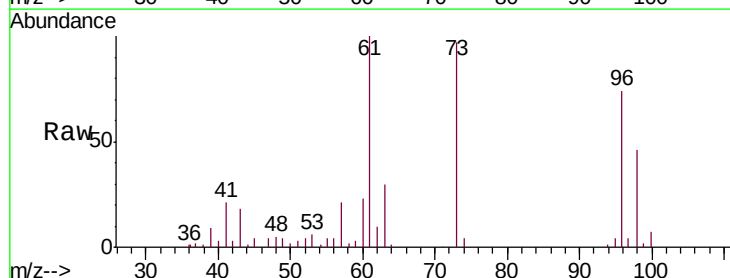
Acq: 03 Oct 2019 13:09

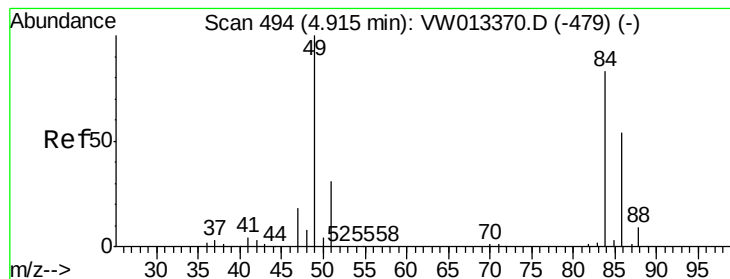
Tgt Ion: 73 Resp: 87791

Ion Ratio Lower Upper

73 100

57 21.8 17.6 26.4





#20

Methylene Chloride

Concen: 22.450 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

Tgt Ion: 84 Resp: 68396

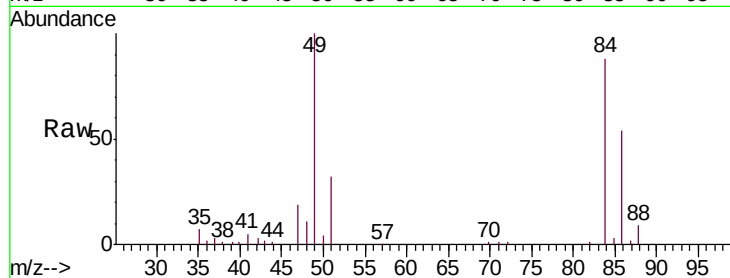
Ion Ratio Lower Upper

84 100

49 113.7 97.6 146.4

51 36.0 30.2 45.2

86 61.8 50.6 76.0

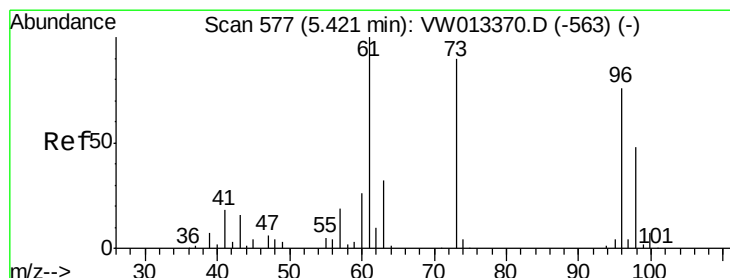
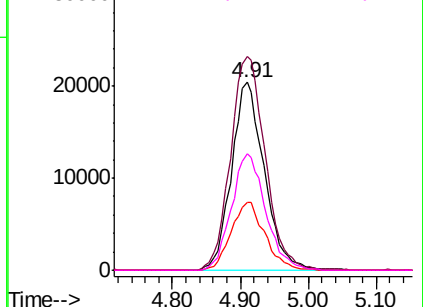
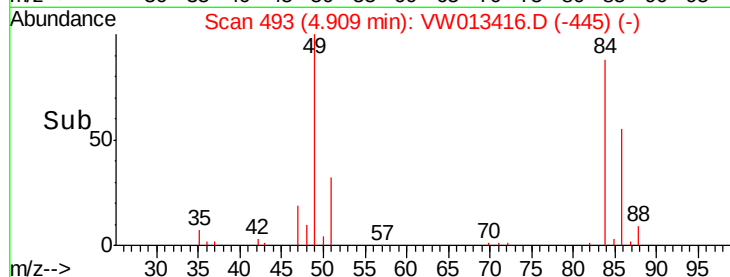


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 20.721 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

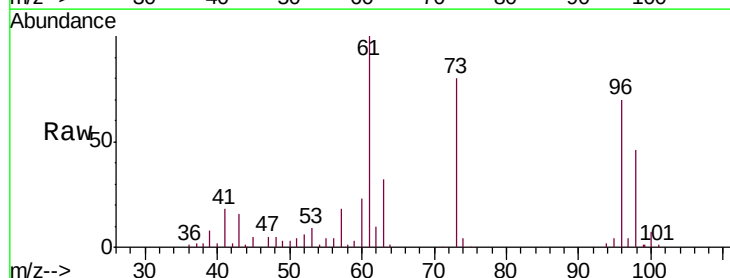
Tgt Ion: 96 Resp: 62046

Ion Ratio Lower Upper

96 100

61 142.0 106.6 159.8

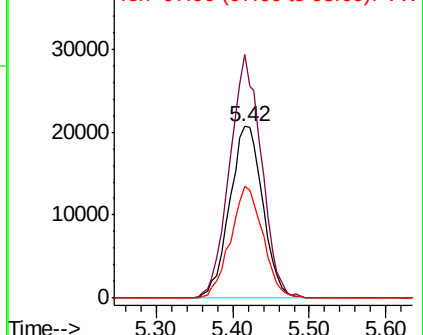
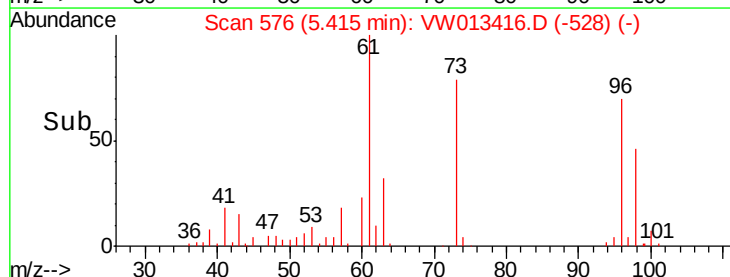
98 65.4 49.8 74.8

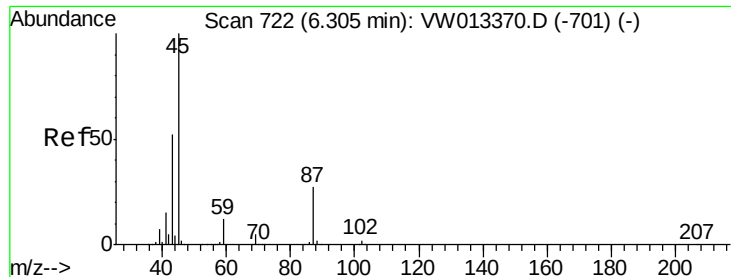


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#22

Diisopropyl ether

Concen: 20.984 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

Tgt Ion: 45 Resp: 168559

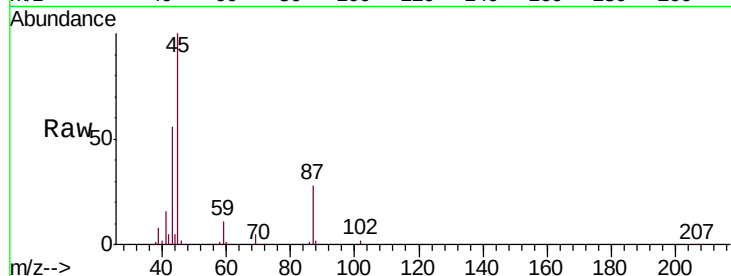
Ion Ratio Lower Upper

45 100

43 54.8 42.4 63.6

87 27.6 20.4 30.6

59 11.3 8.8 13.2

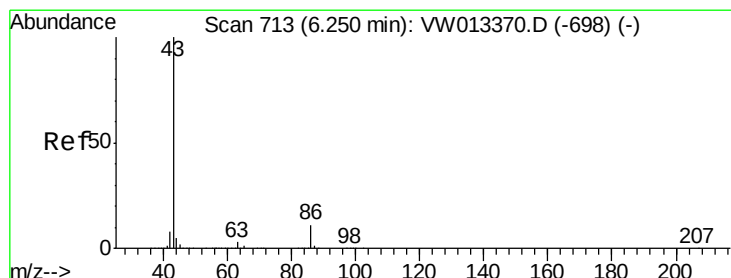
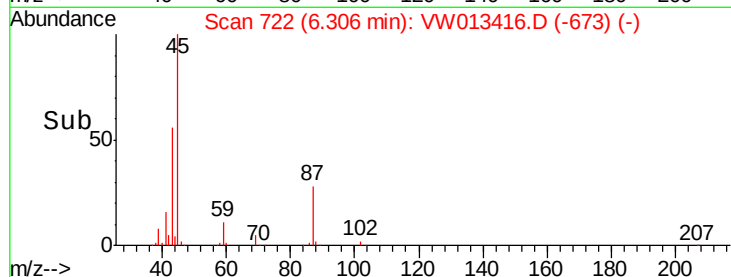
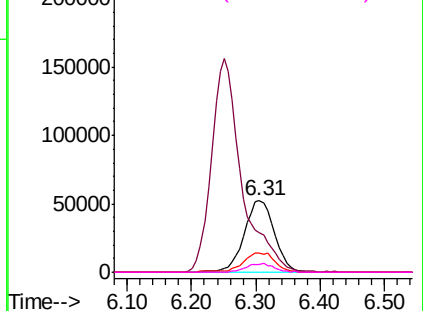


Abundance Ion 45.00 (44.70 to 45.70): VW

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: 106.215 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013416.D

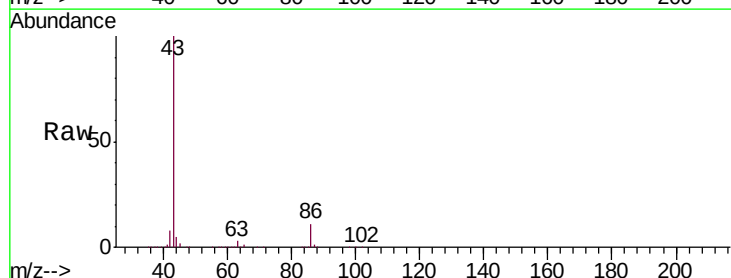
Acq: 03 Oct 2019 13:09

Tgt Ion: 43 Resp: 511958

Ion Ratio Lower Upper

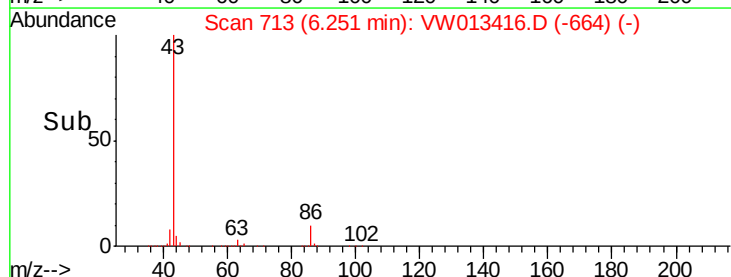
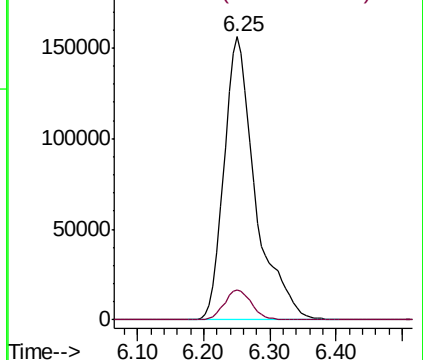
43 100

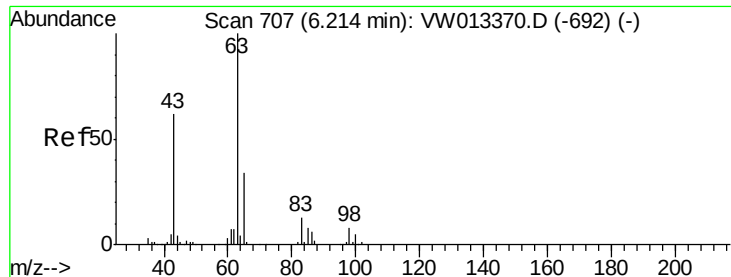
86 10.5 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 21.240 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

HR-05-100219

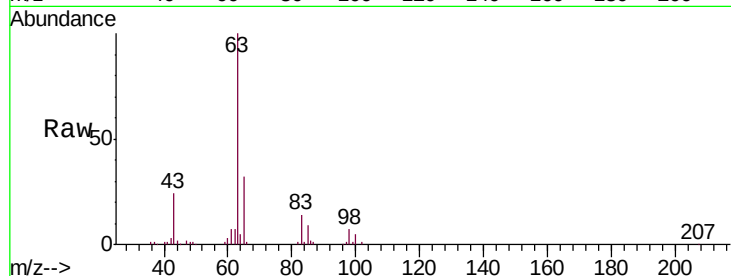
Tgt Ion: 63 Resp: 103922

Ion Ratio Lower Upper

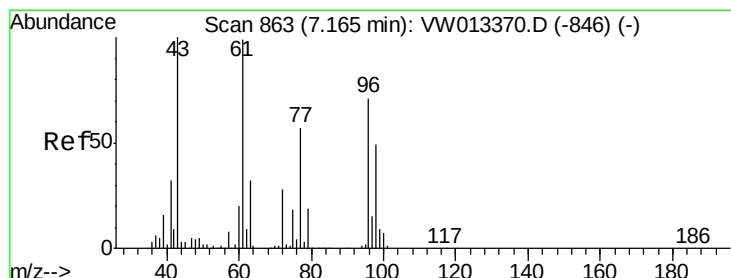
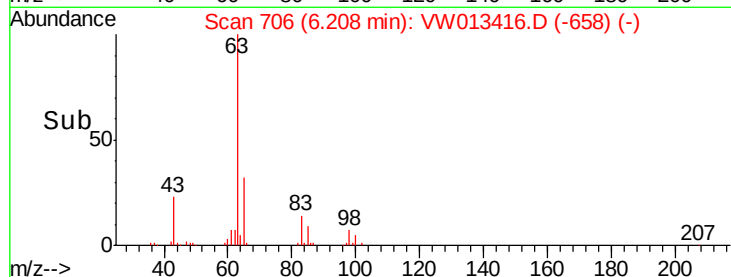
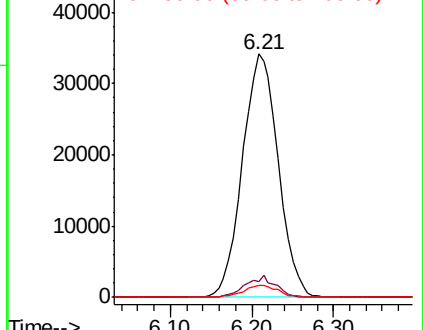
63 100

98 6.7 3.5 10.5

100 4.7 2.4 7.1



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: 102.201 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013416.D

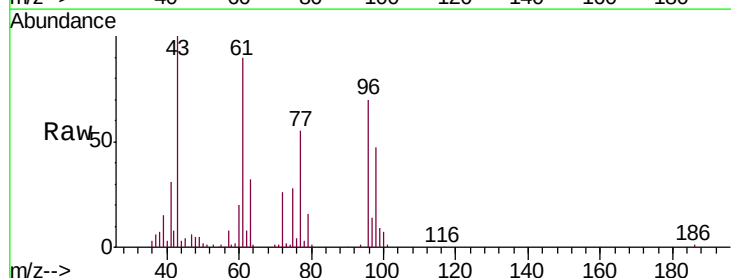
Acq: 03 Oct 2019 13:09

Tgt Ion: 43 Resp: 91420

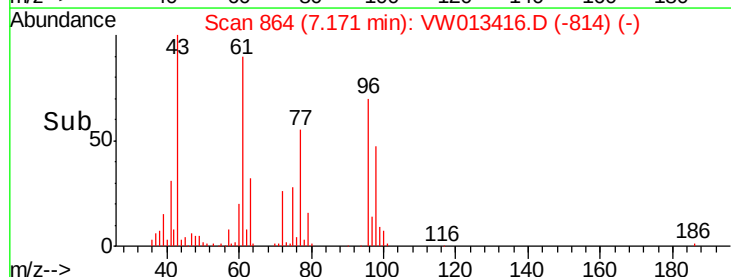
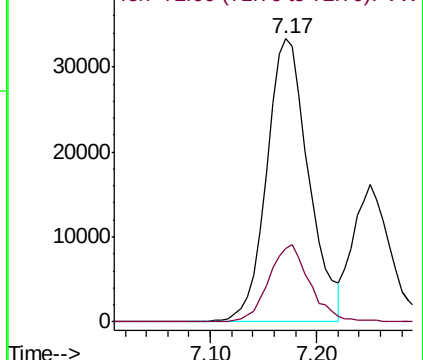
Ion Ratio Lower Upper

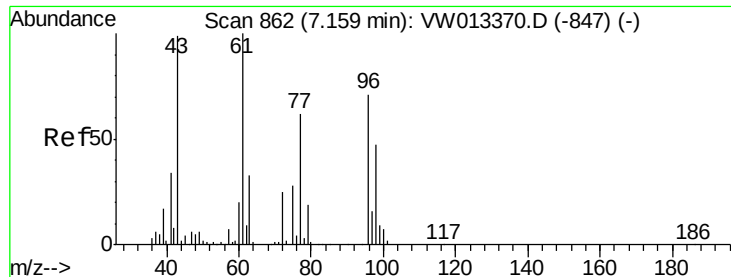
43 100

72 26.1 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

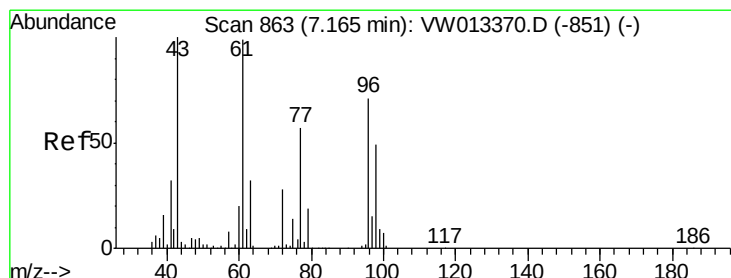
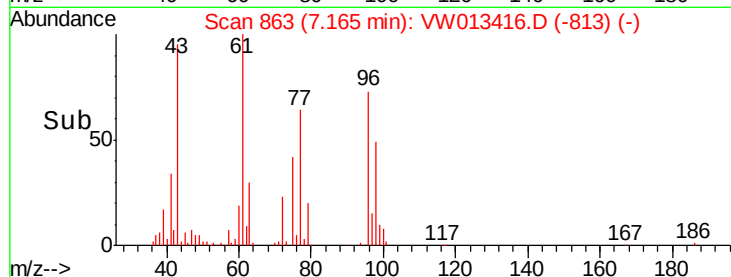
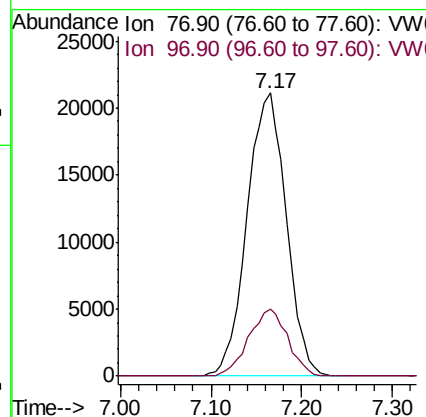
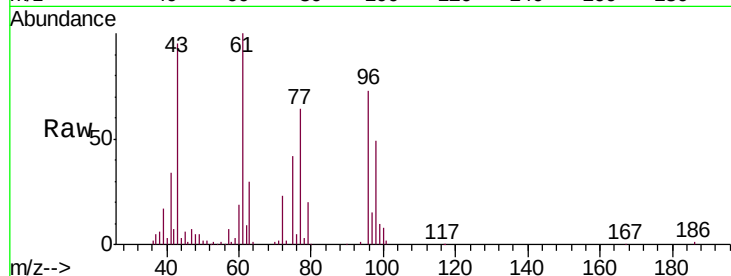




#26
 2,2-Dichloropropane
 Concen: 21.332 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

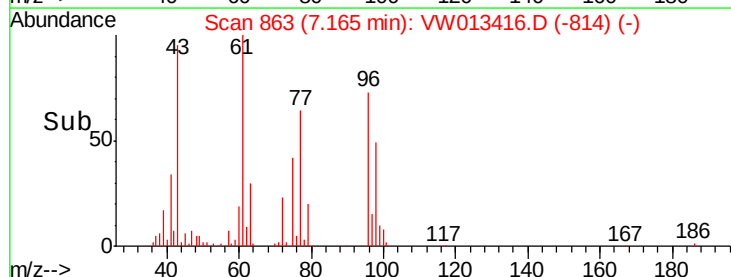
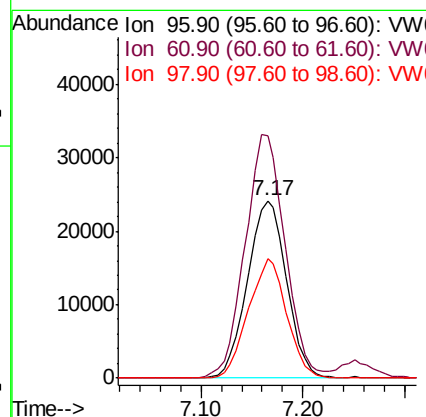
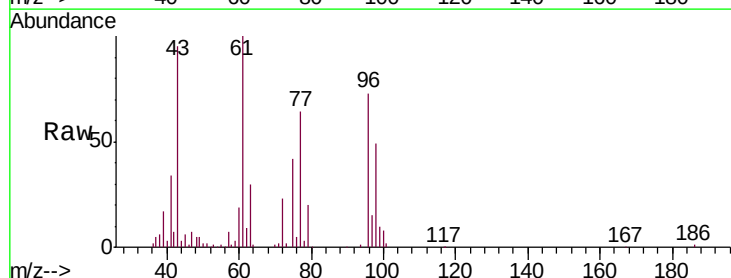
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

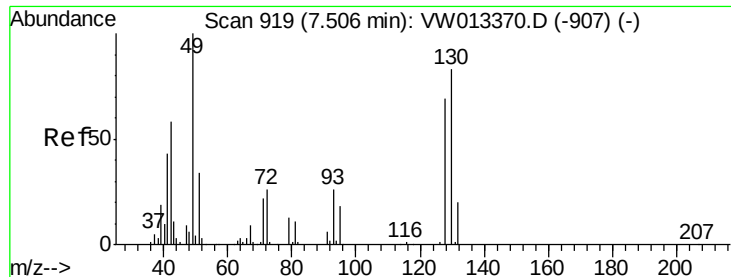
Tgt Ion: 77 Resp: 63081
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.8 35.4



#27
 cis-1,2-Dichloroethene
 Concen: 20.589 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 96 Resp: 64533
 Ion Ratio Lower Upper
 96 100
 61 140.0 0.0 282.4
 98 65.7 0.0 128.2





#28

Bromochloromethane

Concen: 19.273 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

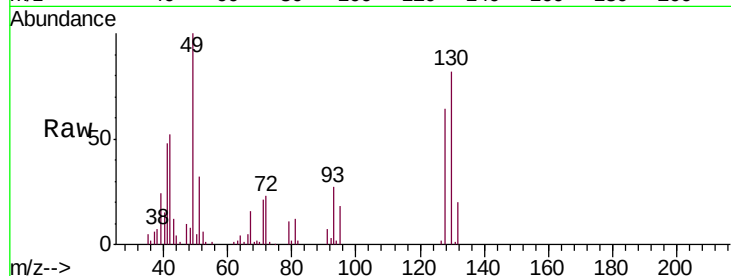
Tgt Ion: 49 Resp: 34093

Ion Ratio Lower Upper

49 100

129 0.5 0.0 1.0

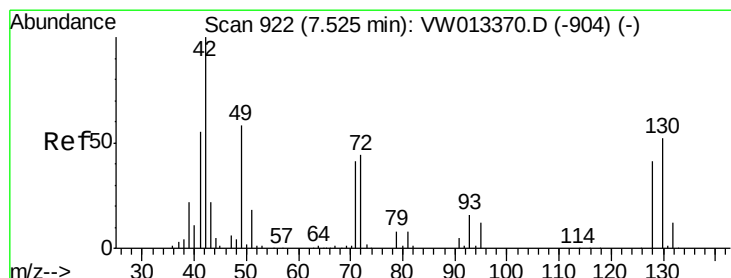
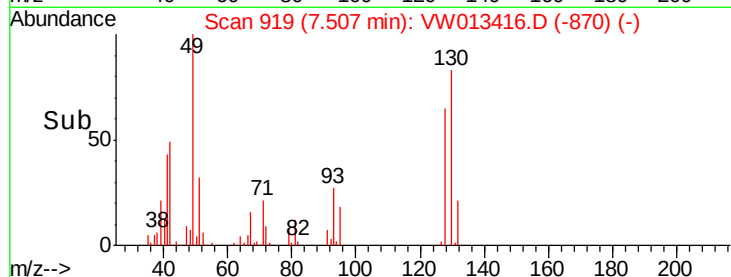
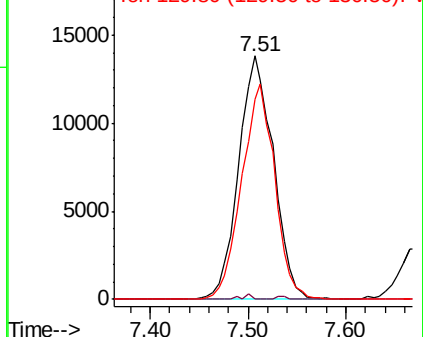
130 84.5 63.4 95.2



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW



#29

Tetrahydrofuran

Concen: 117.569 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

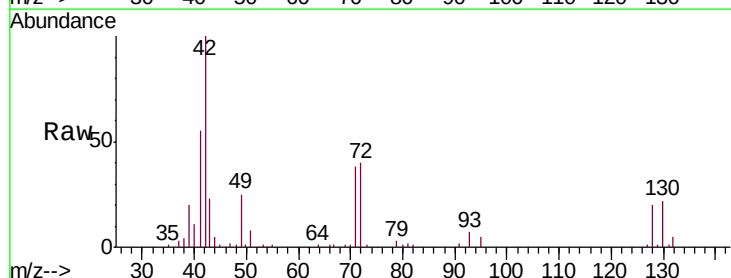
Tgt Ion: 42 Resp: 58390

Ion Ratio Lower Upper

42 100

72 41.9 33.9 50.9

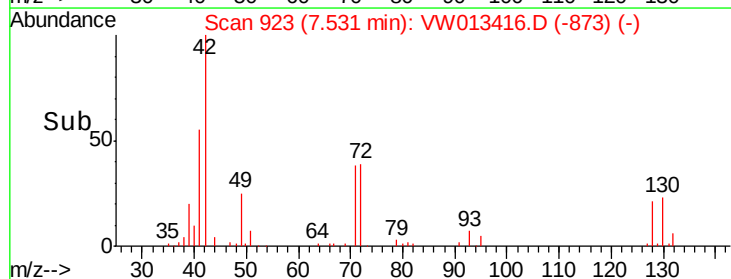
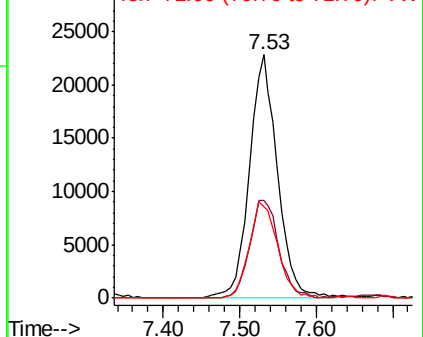
71 39.8 31.9 47.9

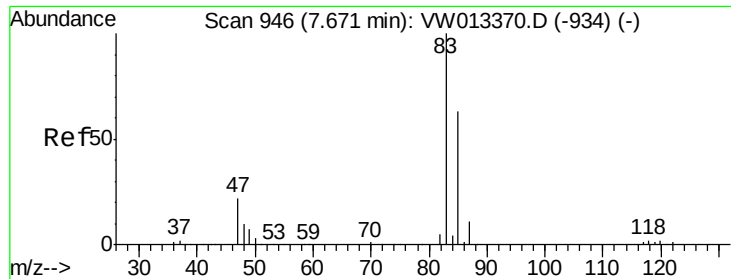


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

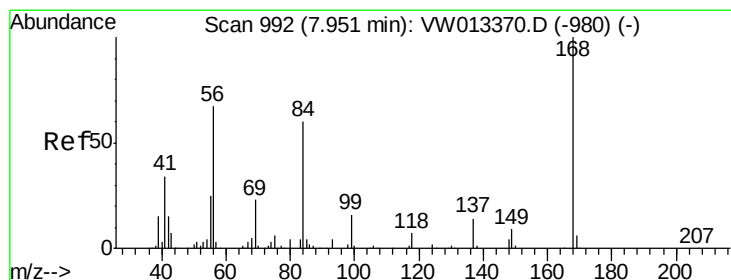
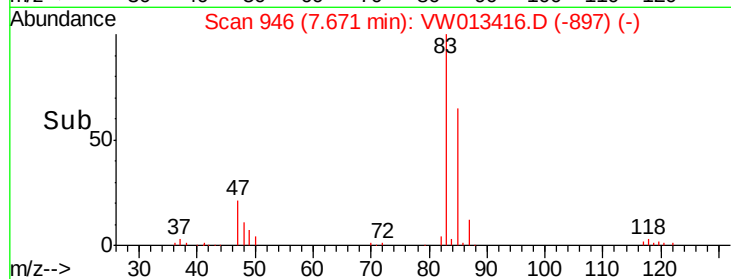
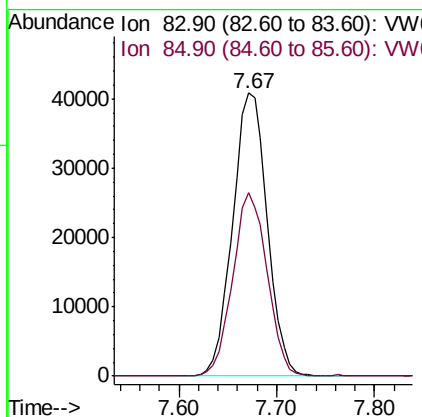
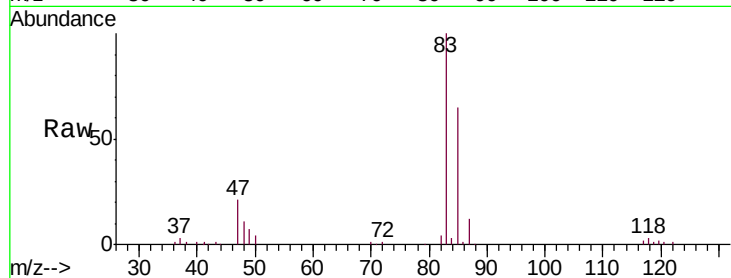




#30
Chloroform
Concen: 20.897 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

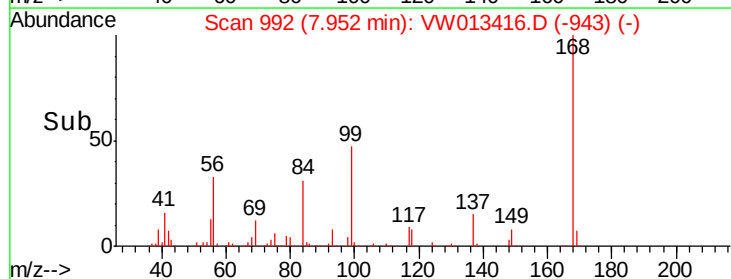
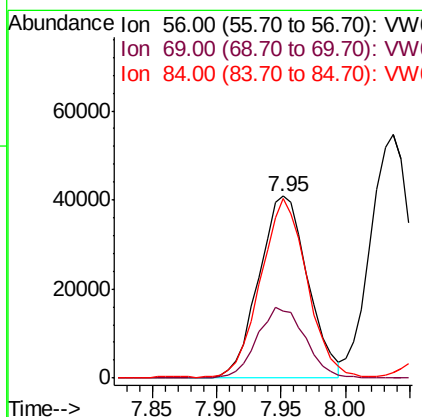
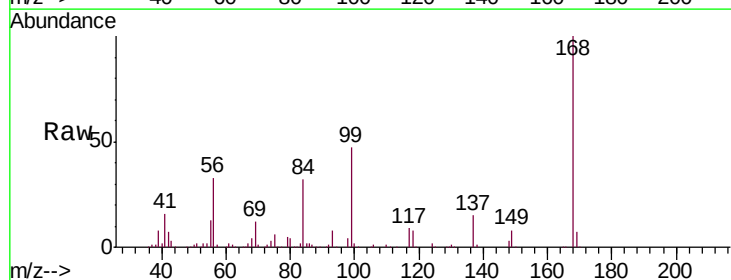
Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

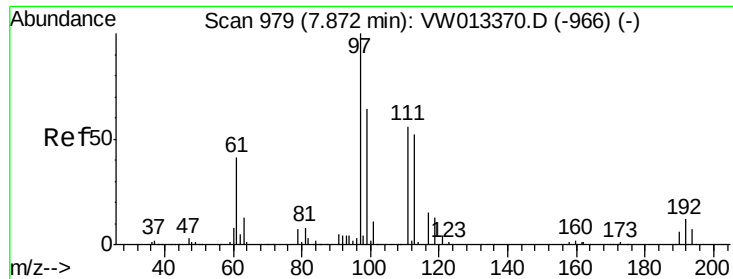
Tgt Ion: 83 Resp: 100255
Ion Ratio Lower Upper
83 100
85 64.8 52.3 78.5



#31
Cyclohexane
Concen: 20.610 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 56 Resp: 107537
Ion Ratio Lower Upper
56 100
69 36.6 27.2 40.8
84 97.5 70.8 106.2





#32

1,1,1-Trichloroethane

Concen: 21.945 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

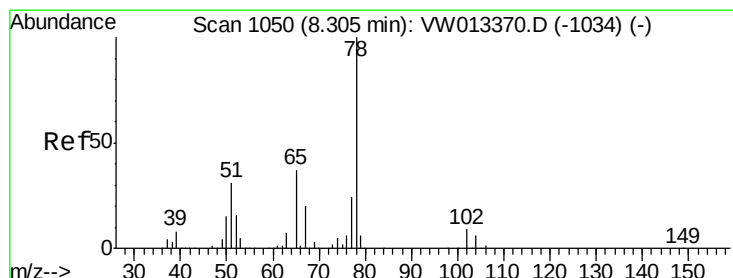
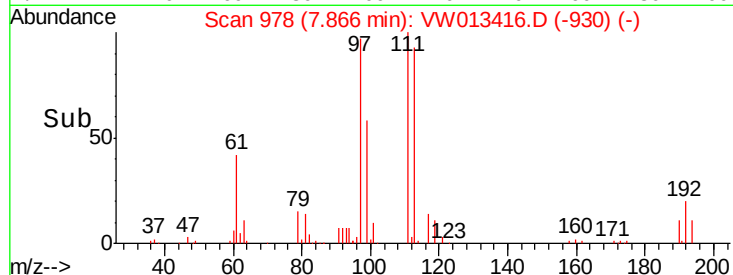
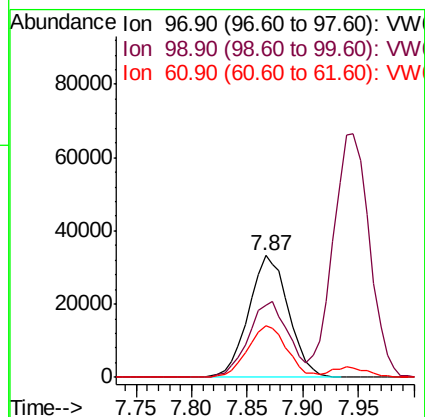
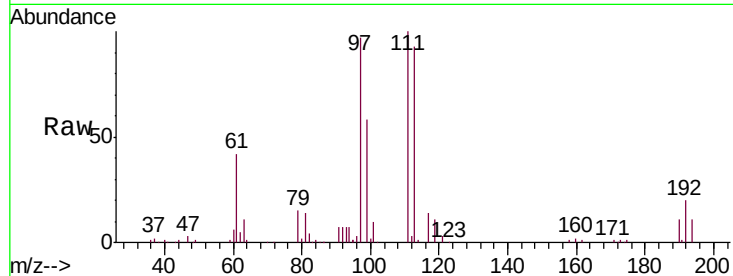
Tgt Ion: 97 Resp: 82480

Ion Ratio Lower Upper

97 100

99 63.1 51.7 77.5

61 42.1 34.6 51.8



#33

1,2-Dichloroethane-d4

Concen: 54.955 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013416.D

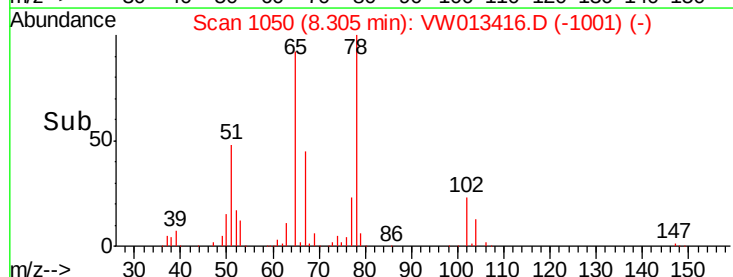
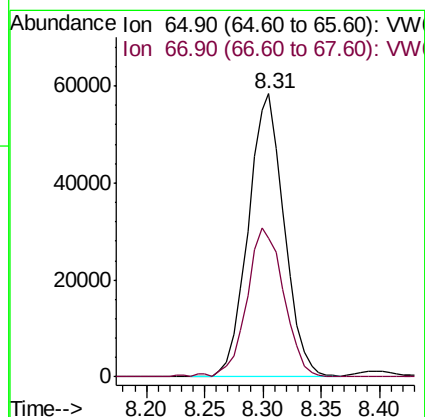
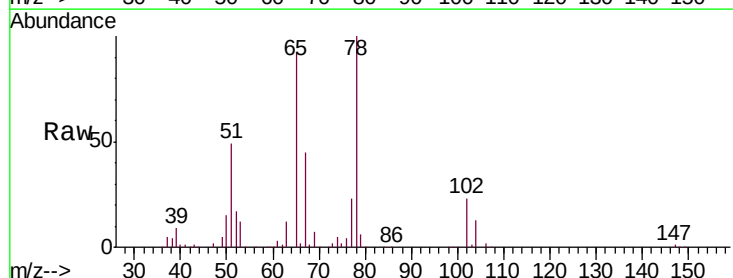
Acq: 03 Oct 2019 13:09

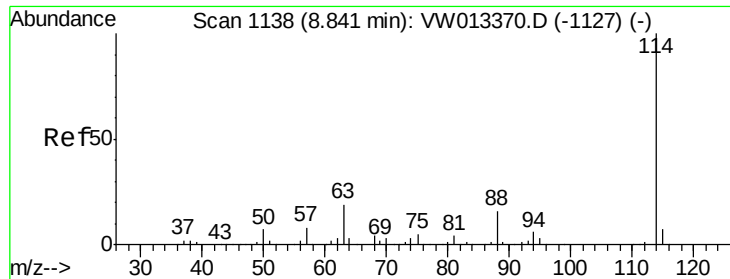
Tgt Ion: 65 Resp: 125334

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.2

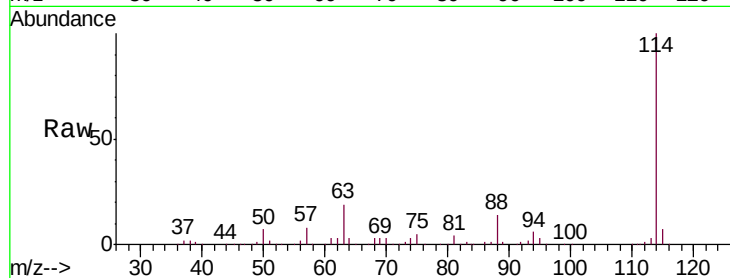




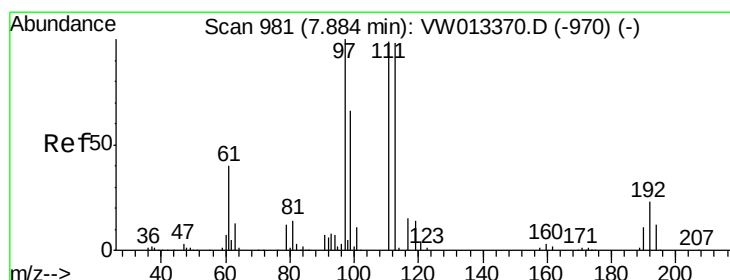
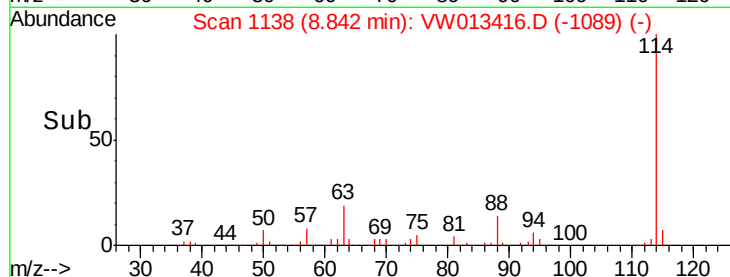
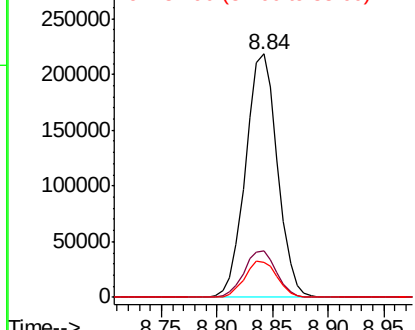
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

Tgt Ion:114 Resp: 435179
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 14.2 0.0 32.0

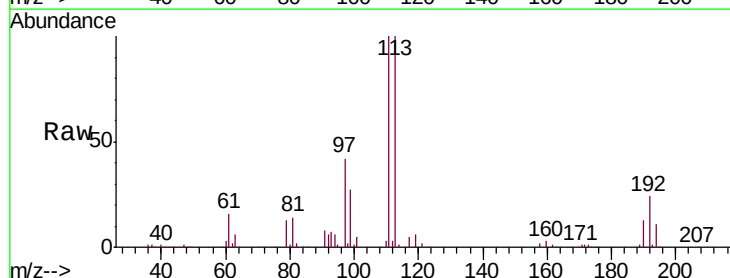


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

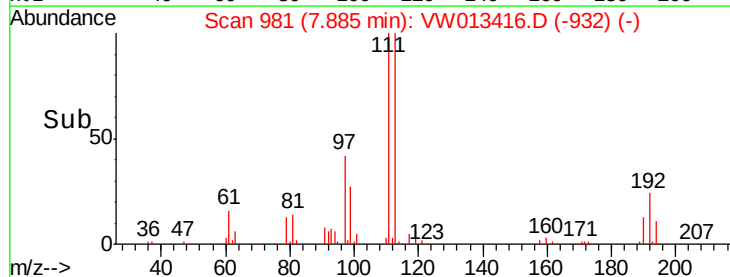
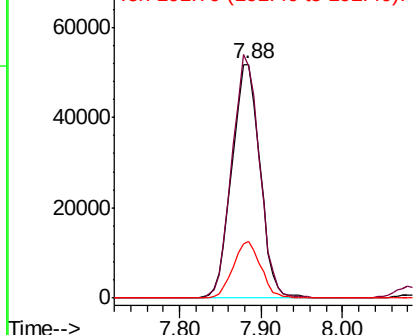


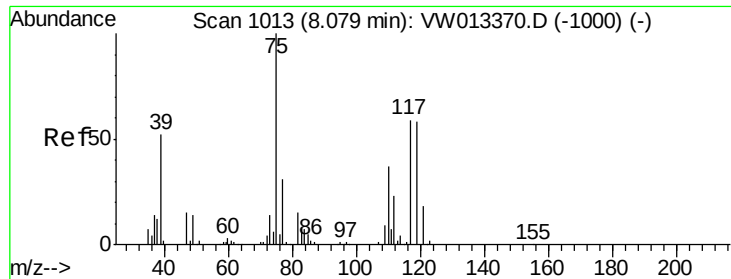
#35
 Dibromofluoromethane
 Concen: 53.818 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion:113 Resp: 122893
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.9 122.9
 192 23.8 19.1 28.7



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

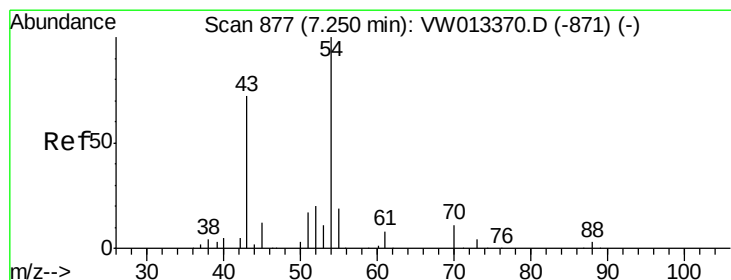
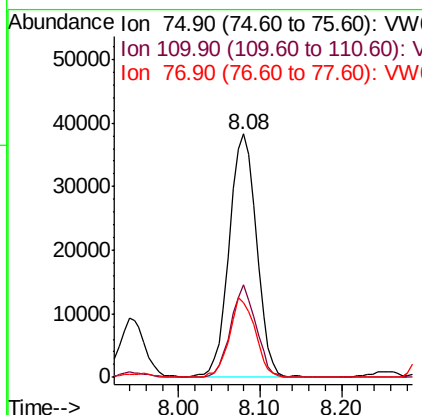
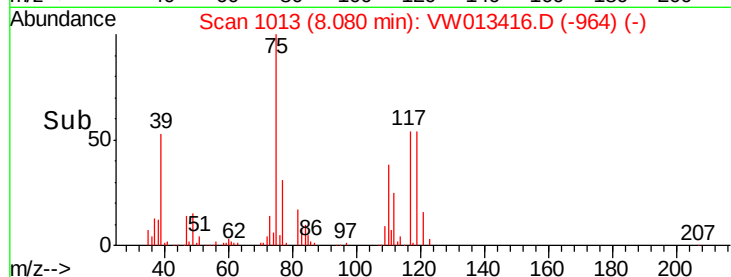
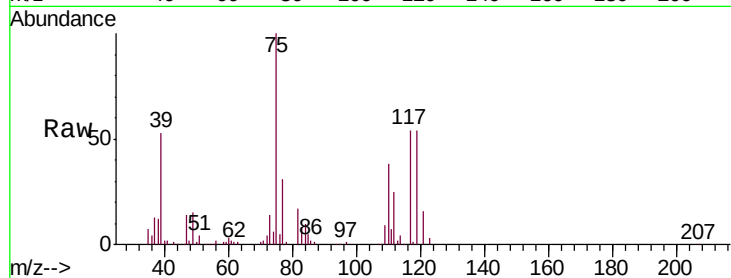




#36
 1,1-Dichloropropene
 Concen: 21.846 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

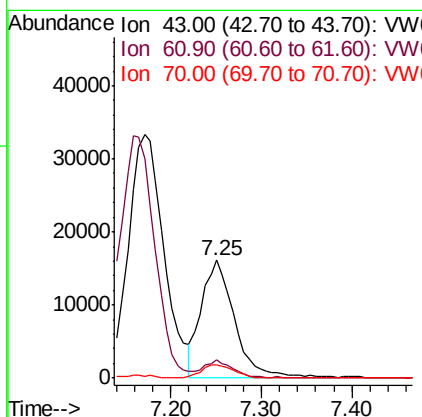
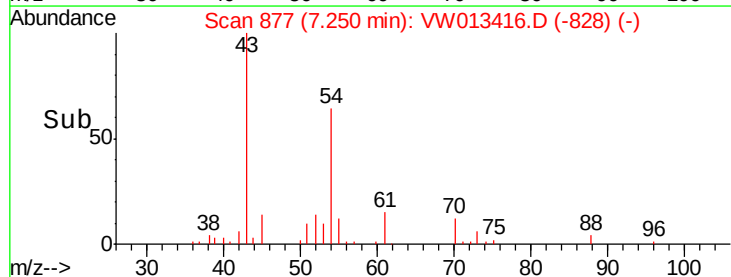
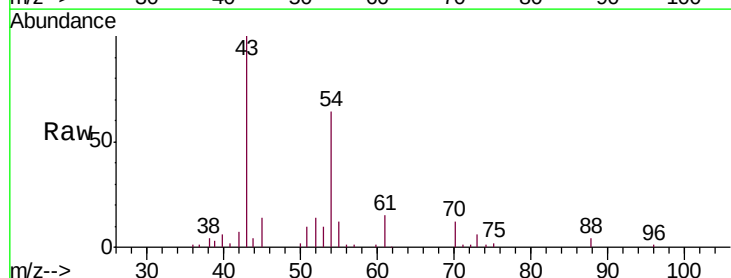
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

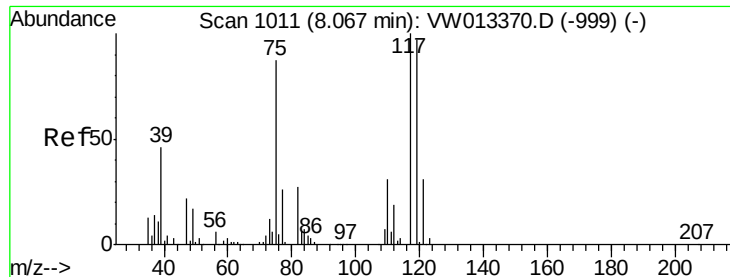
Tgt Ion: 75 Resp: 88300
 Ion Ratio Lower Upper
 75 100
 110 35.2 18.1 54.3
 77 30.8 25.8 38.6



#37
 Ethyl Acetate
 Concen: 22.998 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 43 Resp: 40882
 Ion Ratio Lower Upper
 43 100
 61 13.8 10.9 16.3
 70 11.5 8.2 12.2





#38

Carbon Tetrachloride

Concen: 21.478 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

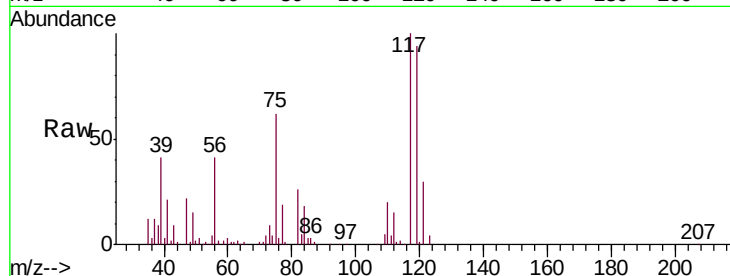
Tgt Ion: 117 Resp: 75203

Ion Ratio Lower Upper

117 100

119 93.5 73.5 110.3

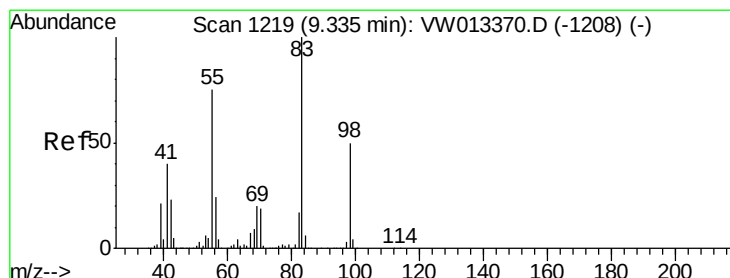
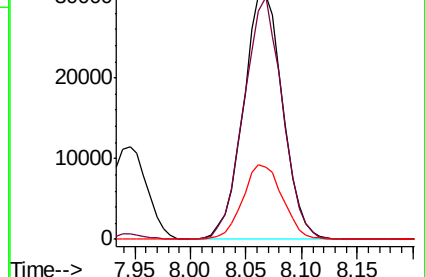
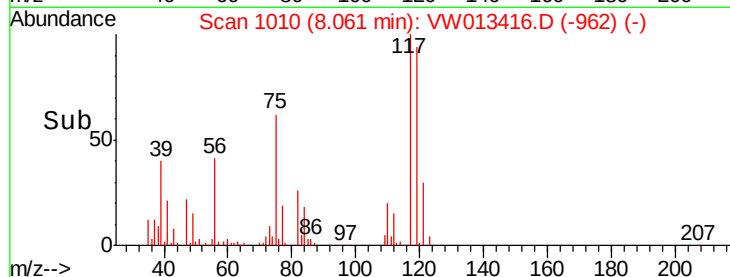
121 30.4 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 20.686 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

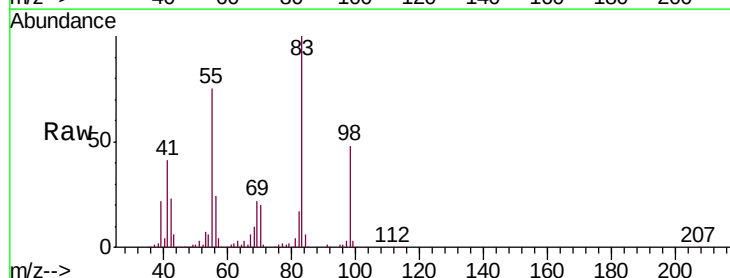
Tgt Ion: 83 Resp: 110116

Ion Ratio Lower Upper

83 100

55 74.9 60.4 90.6

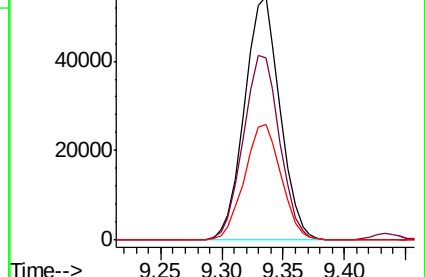
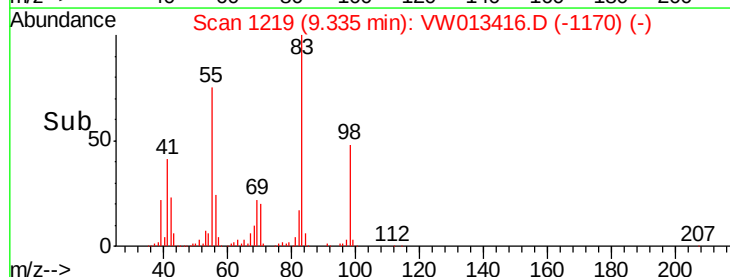
98 47.5 40.0 60.0

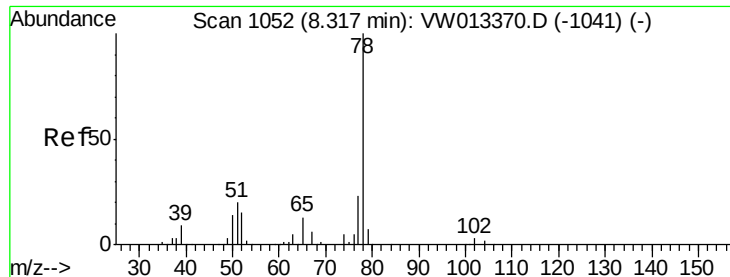


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 21.012 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

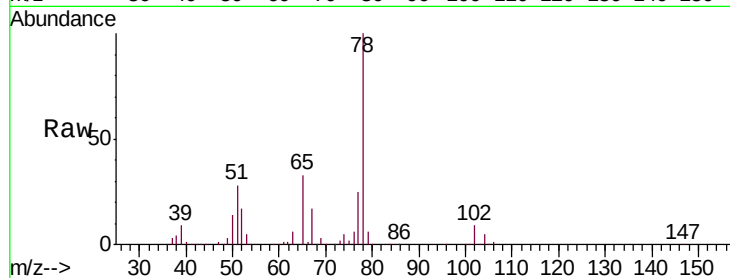
HR-05-100219

Tgt Ion: 78 Resp: 240422

Ion Ratio Lower Upper

78 100

77 25.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

8.32

120000

100000

80000

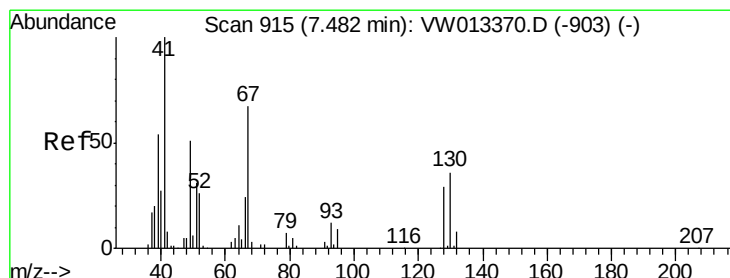
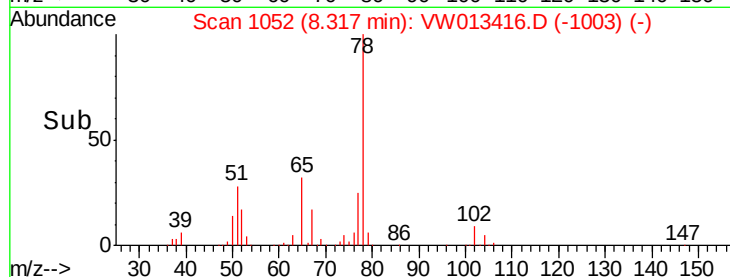
60000

40000

20000

0

Time-->



#41

Methacrylonitrile

Concen: 22.855 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Tgt Ion: 41 Resp: 24583

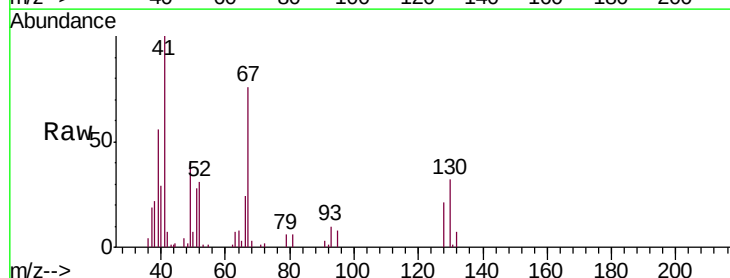
Ion Ratio Lower Upper

41 100

39 57.6 45.9 68.9

67 67.8 54.5 81.7

52 27.8 22.5 33.7



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

20000

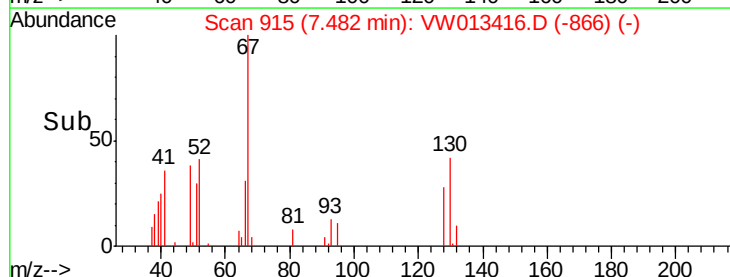
15000

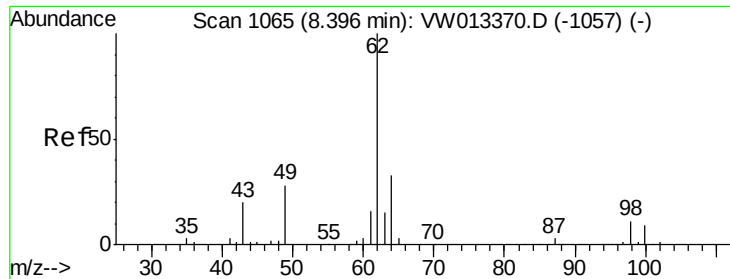
10000

5000

0

Time-->

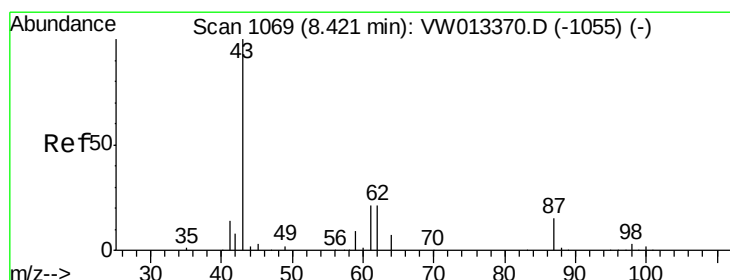
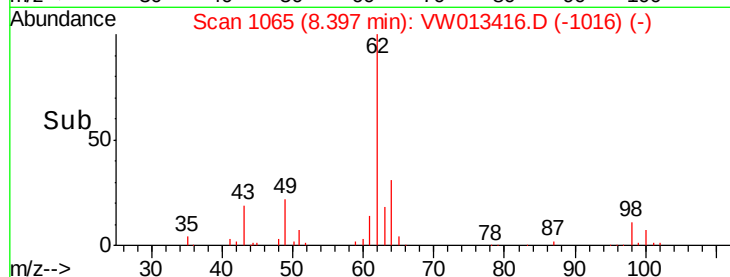
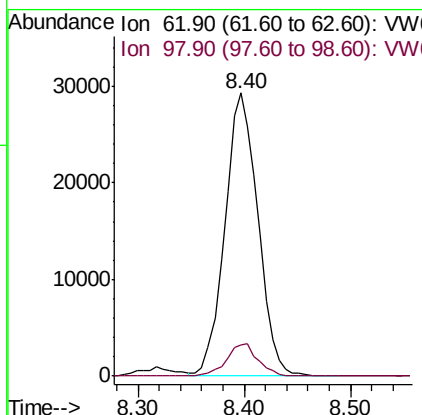
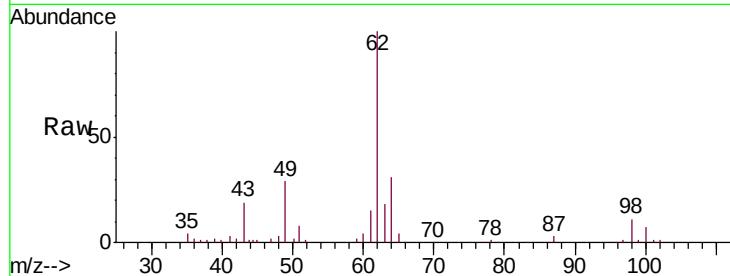




#42
 1,2-Dichloroethane
 Concen: 21.614 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

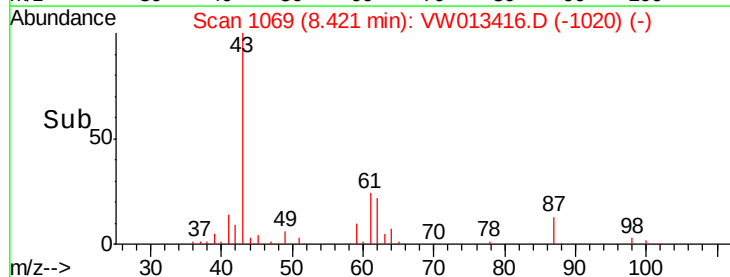
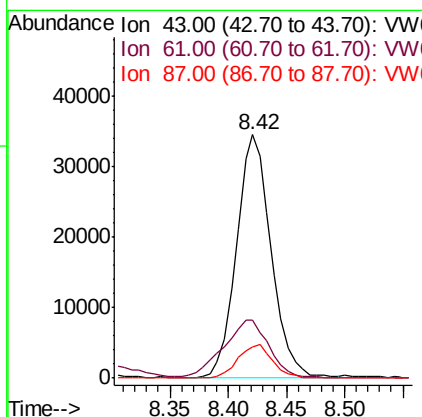
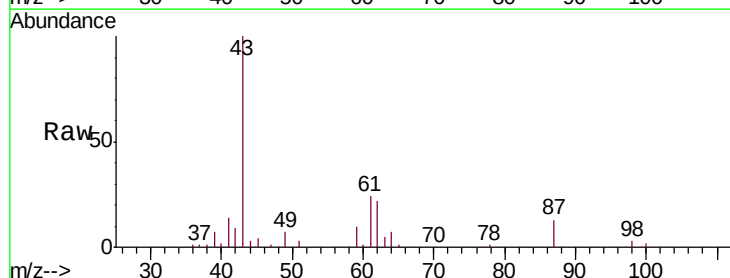
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

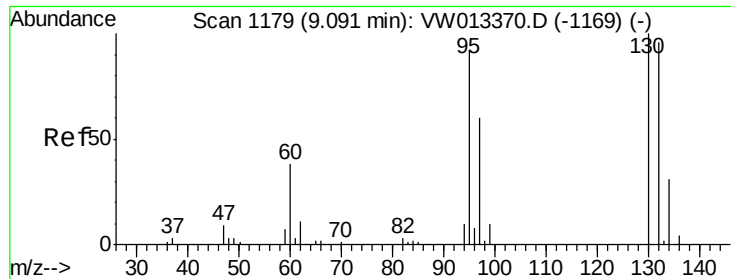
Tgt Ion: 62 Resp: 63562
 Ion Ratio Lower Upper
 62 100
 98 11.0 0.0 20.6



#43
 Isopropyl Acetate
 Concen: 21.322 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 43 Resp: 71589
 Ion Ratio Lower Upper
 43 100
 61 31.2 25.5 38.3
 87 13.6 11.0 16.4





#44

Trichloroethene

Concen: 21.250 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

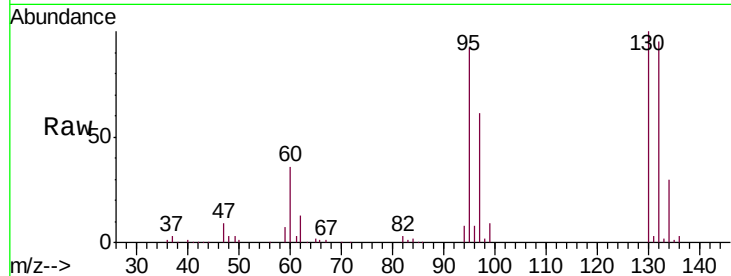
HR-05-100219

Tgt Ion:130 Resp: 68468

Ion Ratio Lower Upper

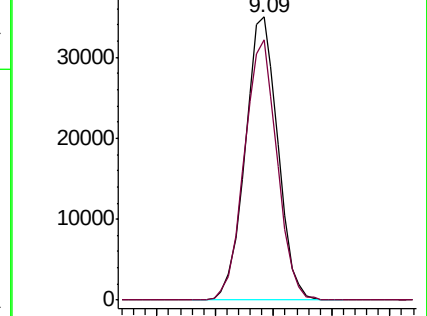
130 100

95 92.0 0.0 188.0

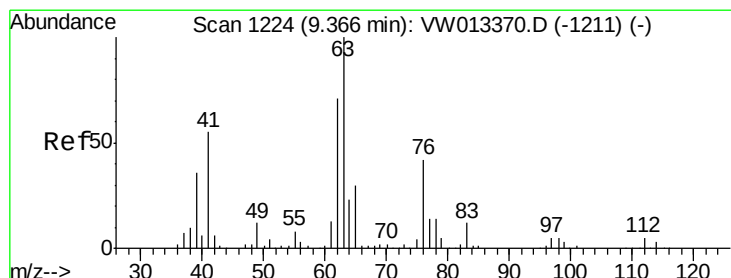
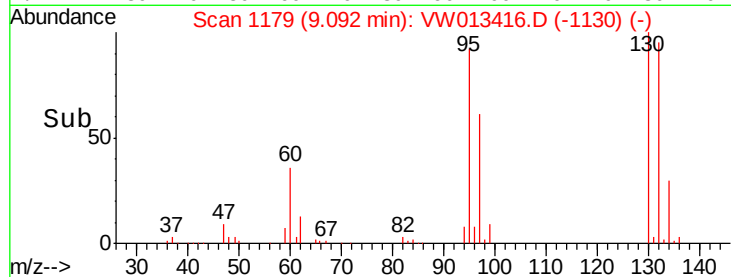


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



Time-->



#45

1,2-Dichloropropane

Concen: 20.745 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013416.D

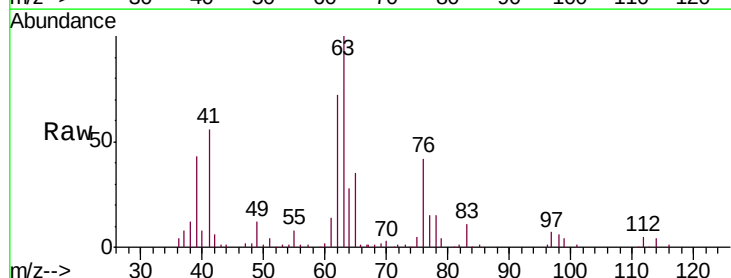
Acq: 03 Oct 2019 13:09

Tgt Ion: 63 Resp: 56991

Ion Ratio Lower Upper

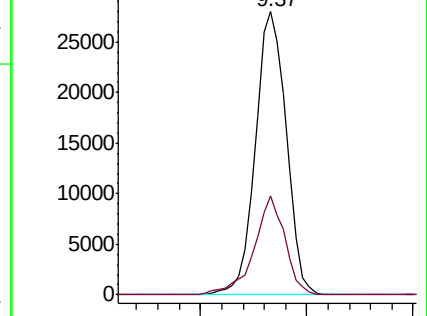
63 100

65 35.2 25.3 37.9

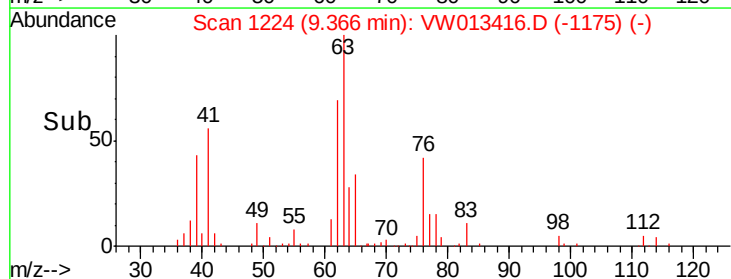


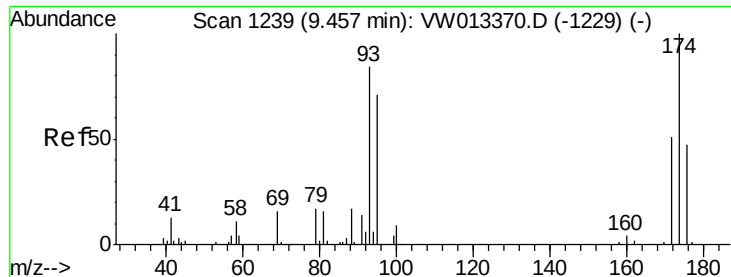
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



Time-->





#46

Dibromomethane

Concen: 21.719 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

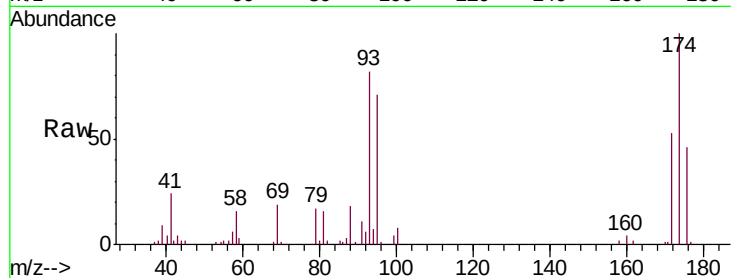
Tgt Ion: 93 Resp: 29719

Ion Ratio Lower Upper

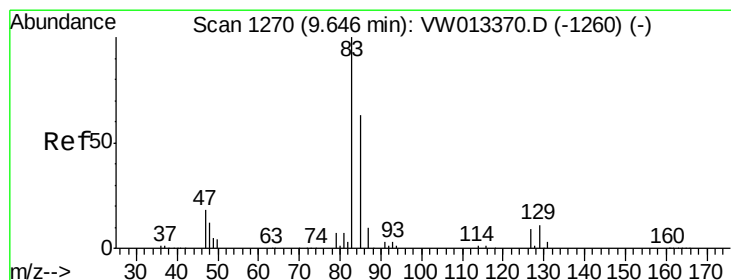
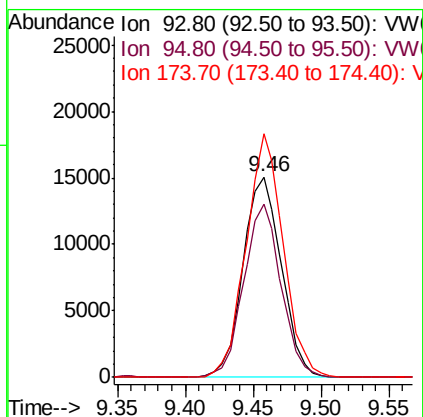
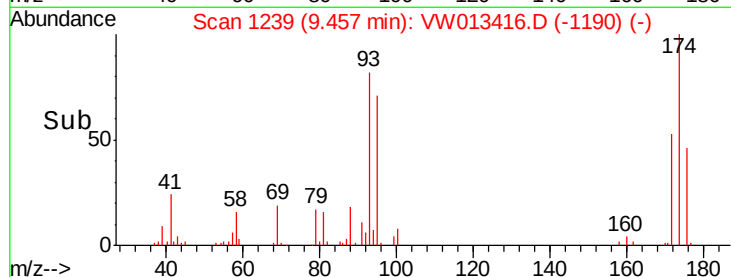
93 100

95 84.1 66.4 99.6

174 118.2 93.0 139.6



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 20.549 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

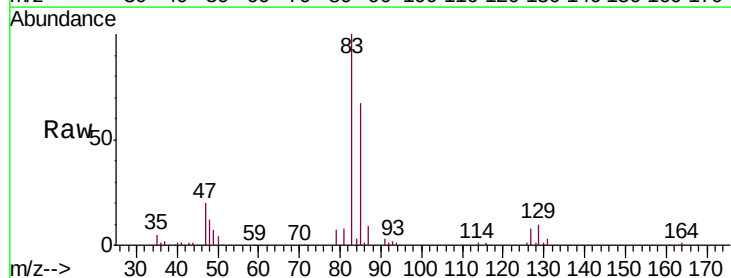
Tgt Ion: 83 Resp: 69219

Ion Ratio Lower Upper

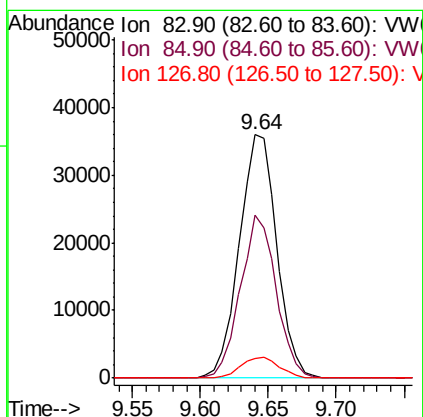
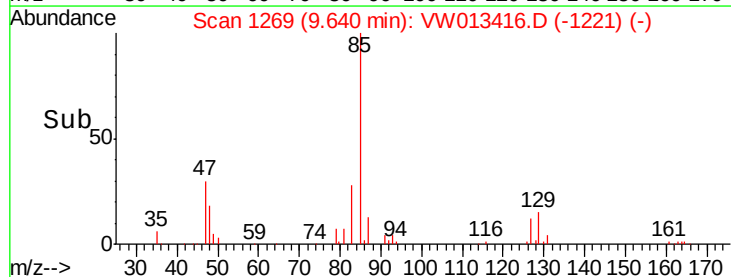
83 100

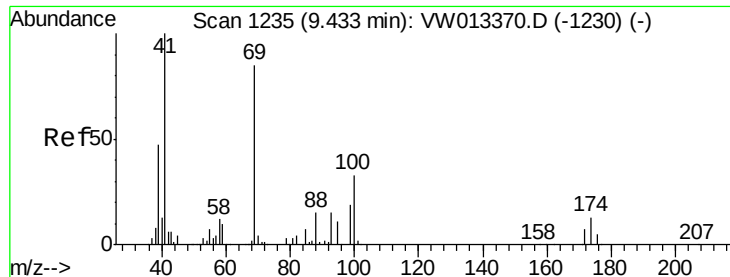
85 66.8 49.4 74.2

127 8.0 6.5 9.7



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

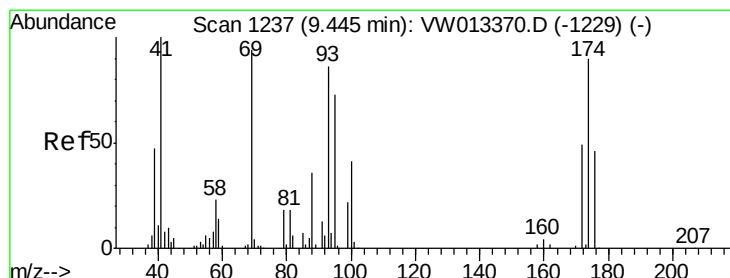
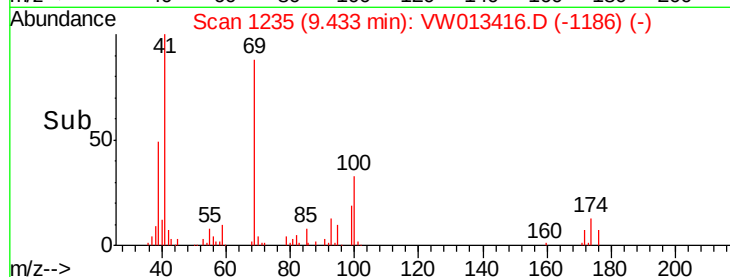
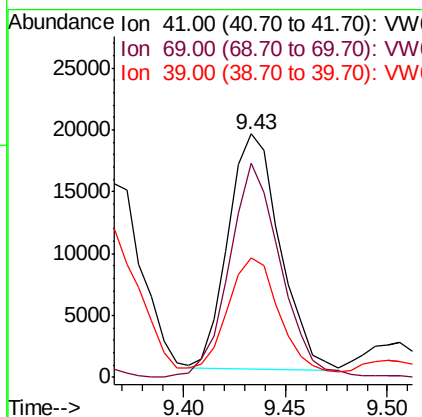
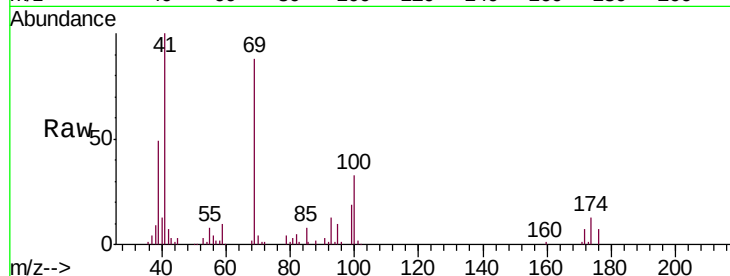




#48
Methyl methacrylate
Concen: 20.776 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

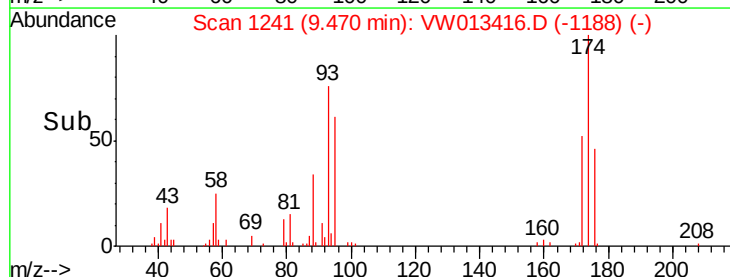
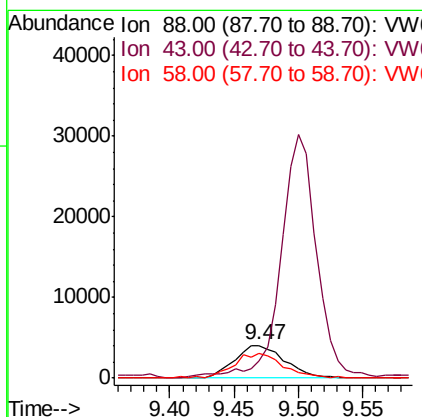
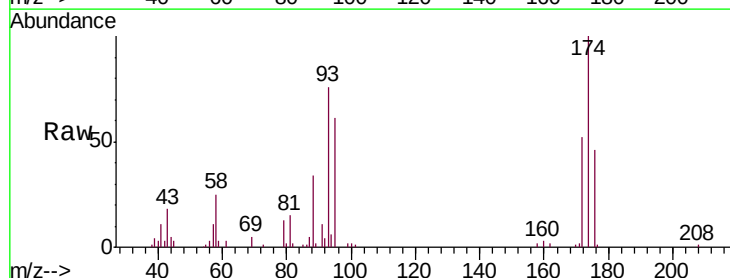
Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

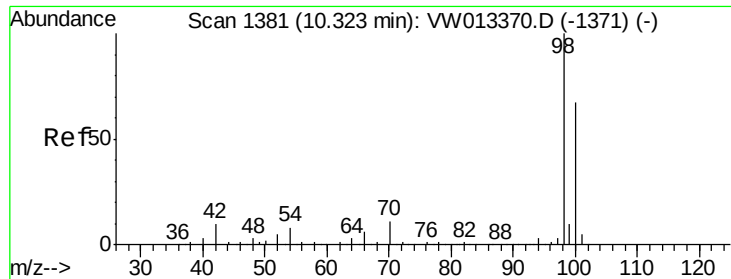
Tgt Ion: 41 Resp: 33517
Ion Ratio Lower Upper
41 100
69 90.4 69.7 104.5
39 52.8 41.1 61.7



#49
1,4-Dioxane
Concen: 504.602 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 88 Resp: 10866
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 77.7 65.4 98.0

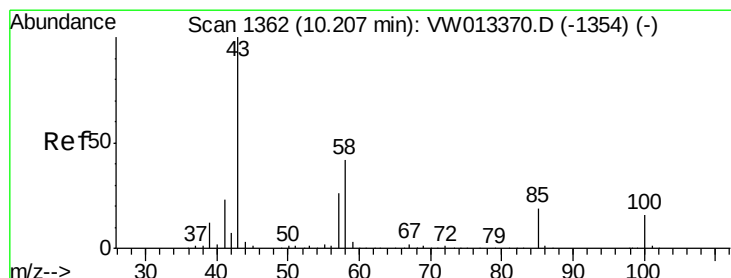
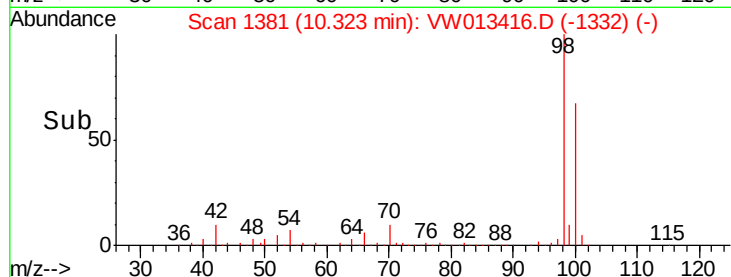
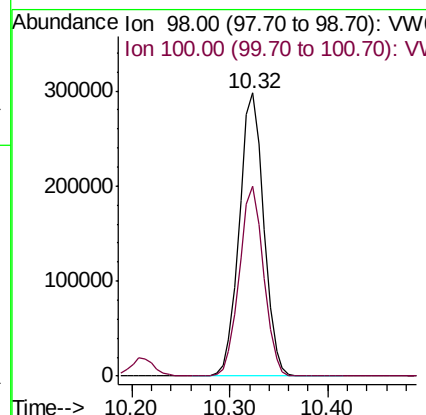
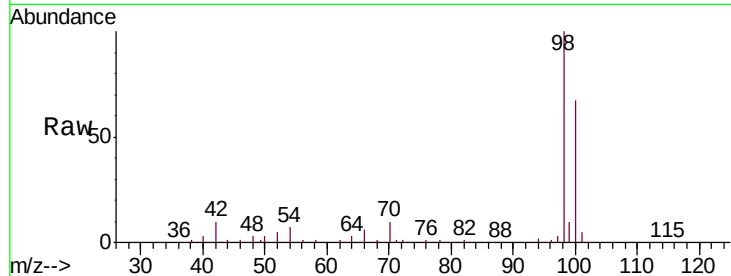




#50
Toluene-d8
Concen: 54.497 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

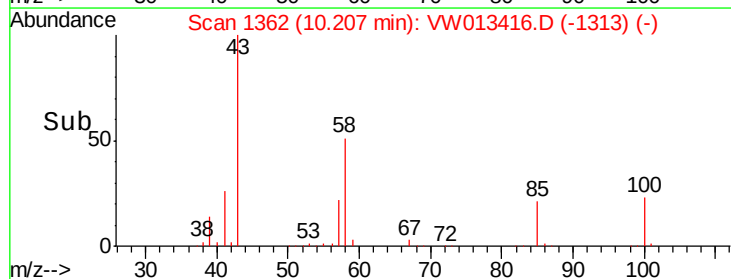
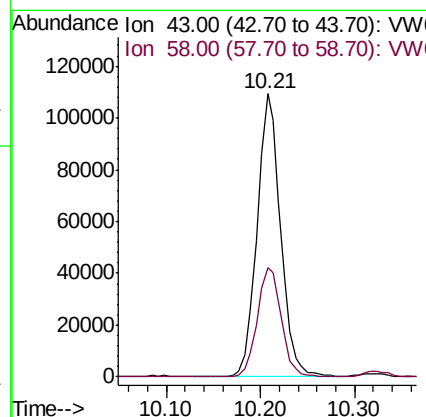
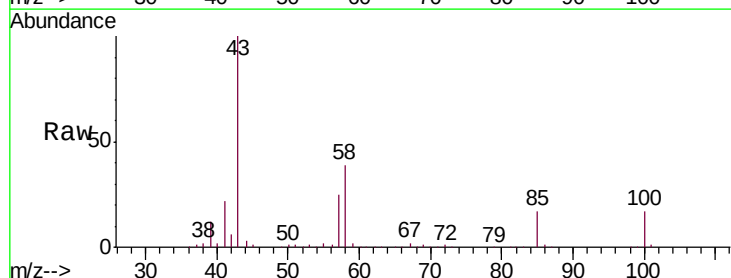
Instrument :
MSVOA_W
ClientSampled :
HR-05-100219

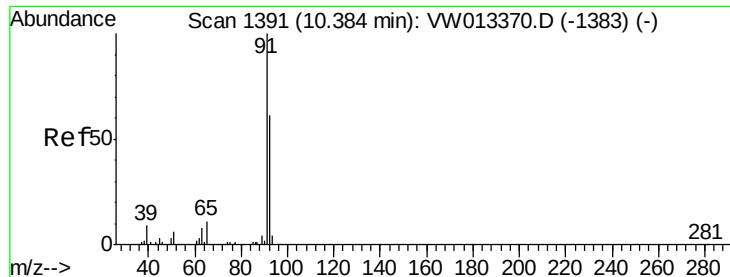
Tgt Ion: 98 Resp: 516413
Ion Ratio Lower Upper
98 100
100 66.6 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 109.044 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 43 Resp: 192354
Ion Ratio Lower Upper
43 100
58 39.6 31.7 47.5





#52

Toluene

Concen: 20.870 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

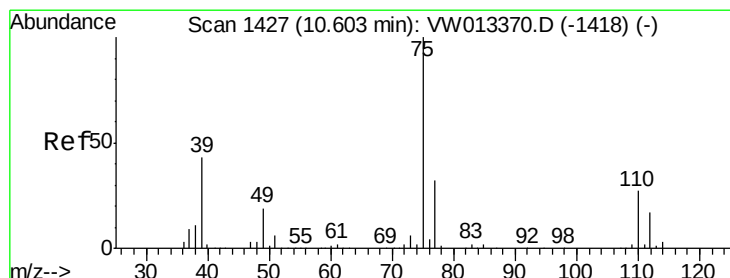
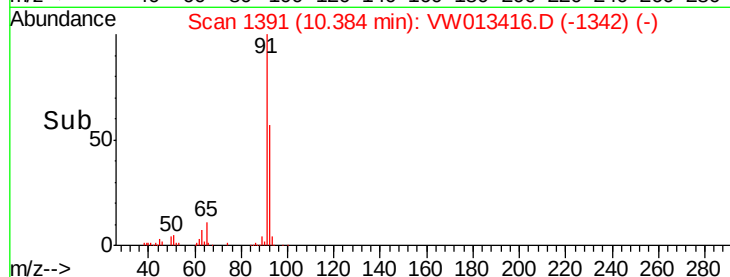
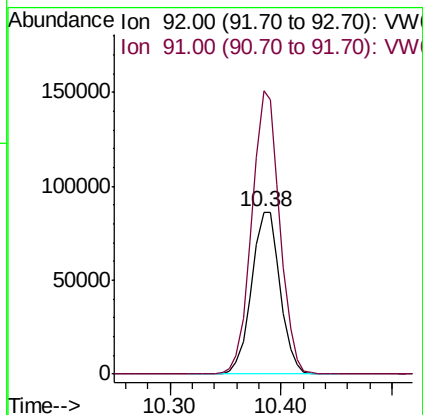
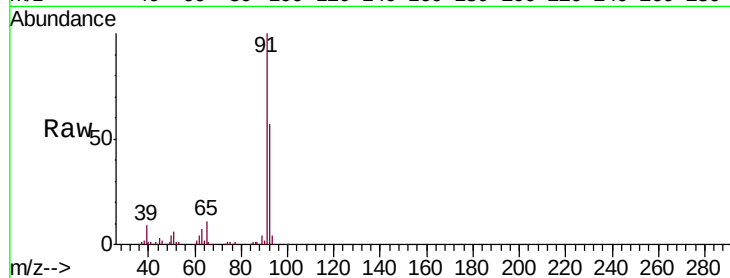
HR-05-100219

Tgt Ion: 92 Resp: 154019

Ion Ratio Lower Upper

92 100

91 171.1 135.7 203.5



#53

t-1,3-Dichloropropene

Concen: 20.409 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013416.D

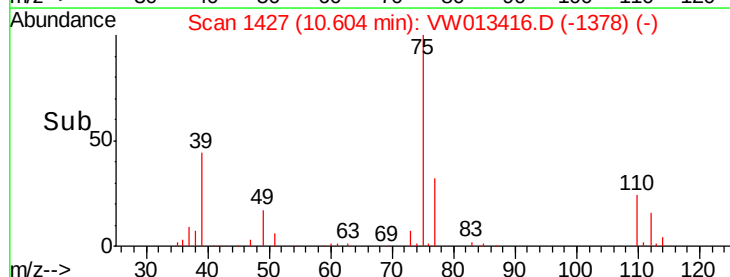
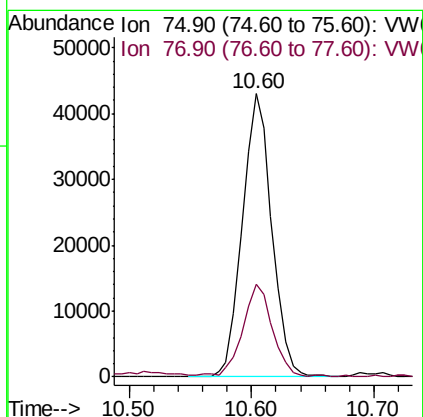
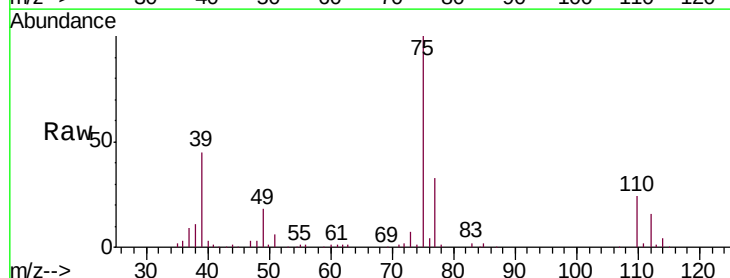
Acq: 03 Oct 2019 13:09

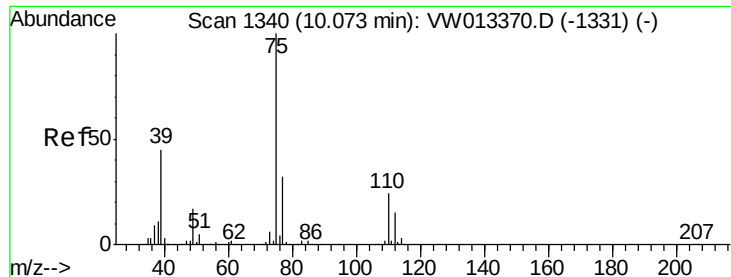
Tgt Ion: 75 Resp: 71508

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3

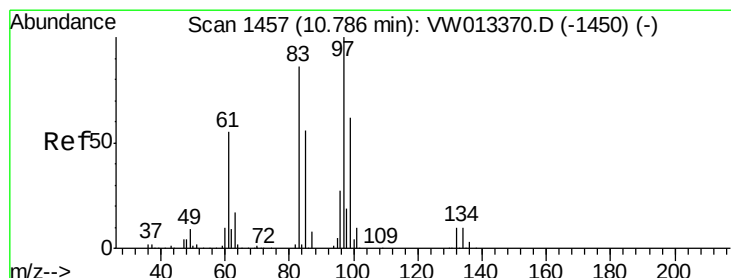
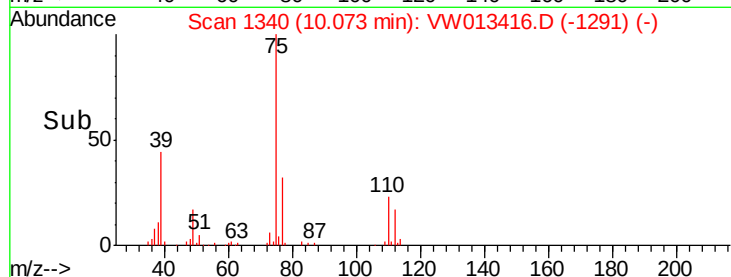
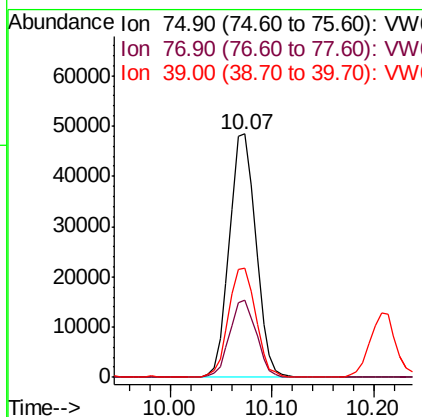
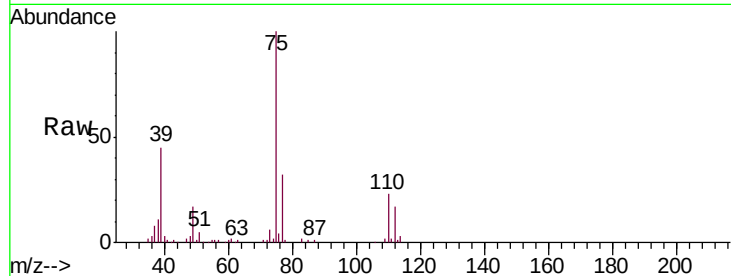




#54
 cis-1,3-Dichloropropene
 Concen: 20.513 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

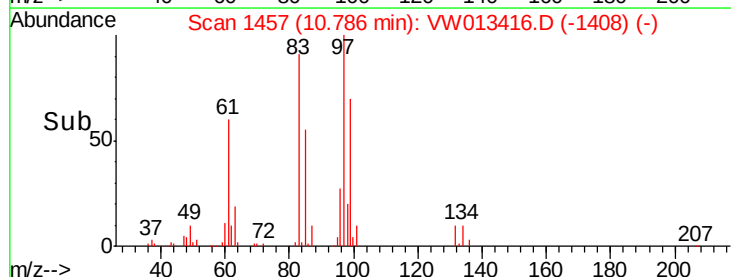
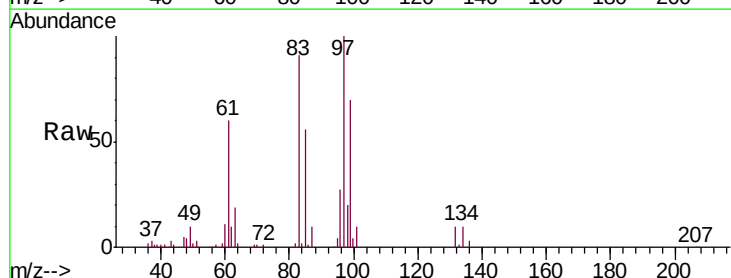
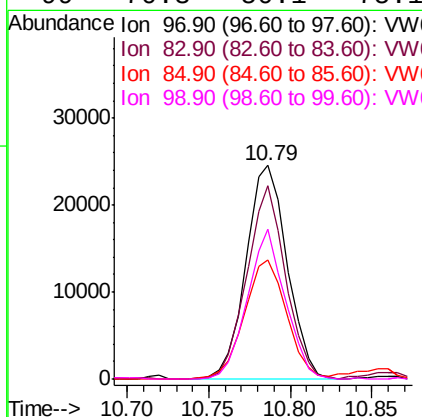
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

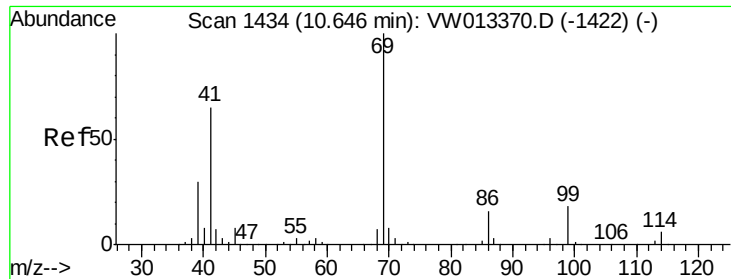
Tgt Ion: 75 Resp: 87144
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8
 39 44.7 36.6 55.0



#55
 1,1,2-Trichloroethane
 Concen: 21.081 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 97 Resp: 43031
 Ion Ratio Lower Upper
 97 100
 83 90.6 67.6 101.4
 85 55.8 41.9 62.9
 99 70.3 50.1 75.1





#56

Ethyl methacrylate

Concen: 20.677 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

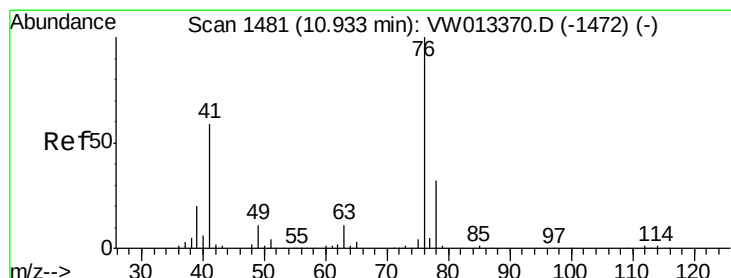
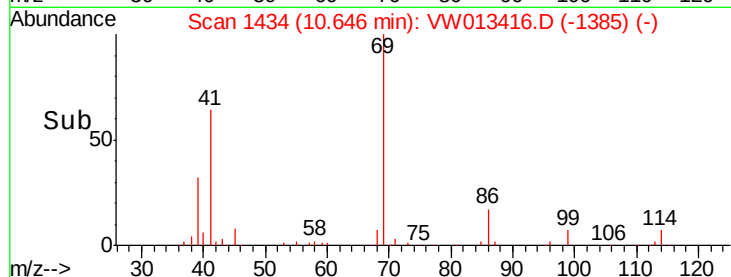
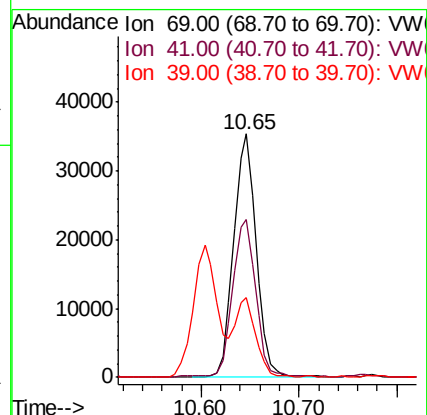
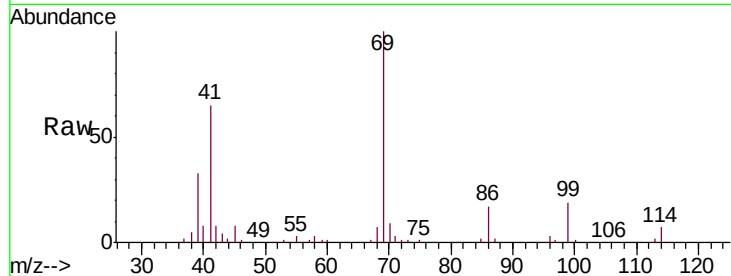
Tgt Ion: 69 Resp: 56810

Ion Ratio Lower Upper

69 100

41 67.2 53.9 80.9

39 29.5 23.8 35.6



#57

1,3-Dichloropropane

Concen: 21.164 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013416.D

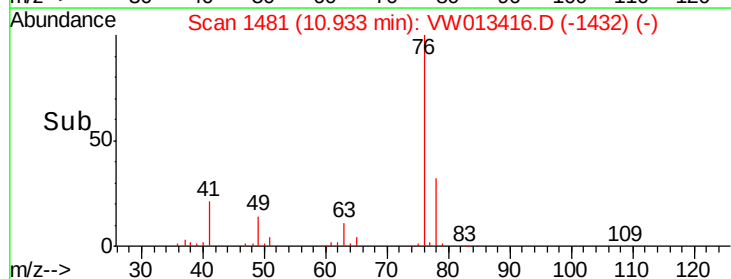
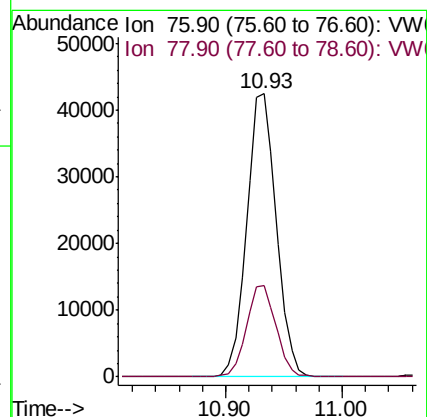
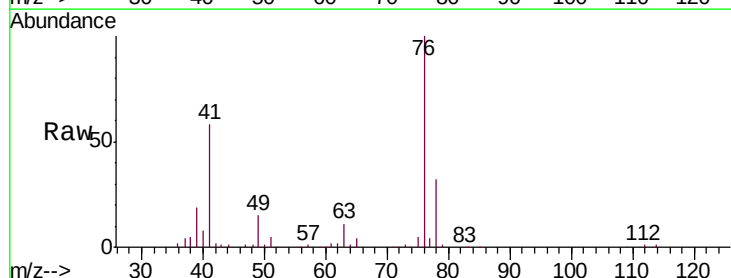
Acq: 03 Oct 2019 13:09

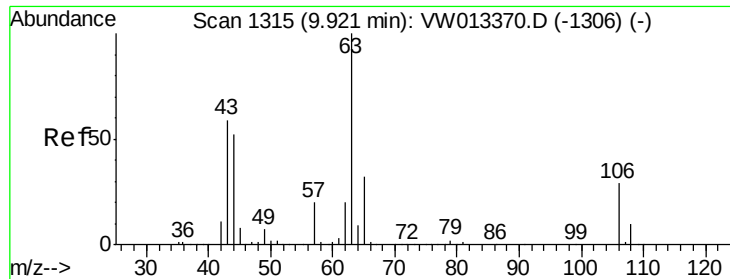
Tgt Ion: 76 Resp: 75104

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3





#58

2-Chloroethyl Vinyl ether

Concen: 118.784 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

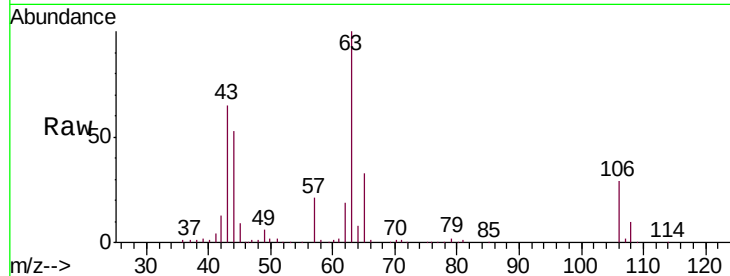
HR-05-100219

Tgt Ion: 63 Resp: 134063

Ion Ratio Lower Upper

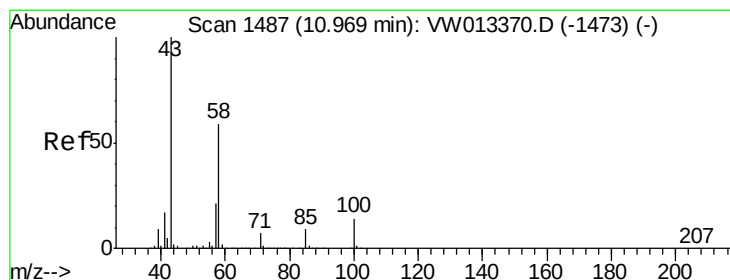
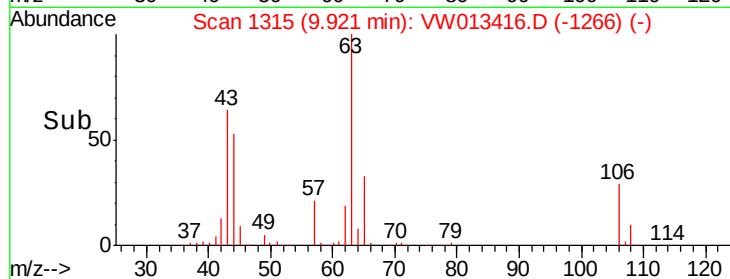
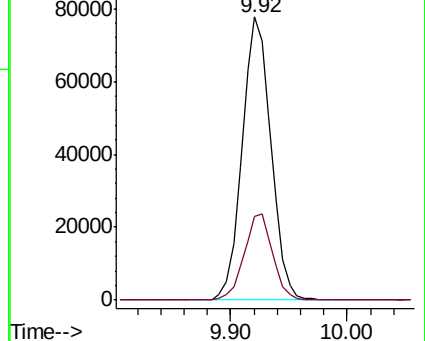
63 100

106 29.9 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): VW



#59

2-Hexanone

Concen: 105.142 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013416.D

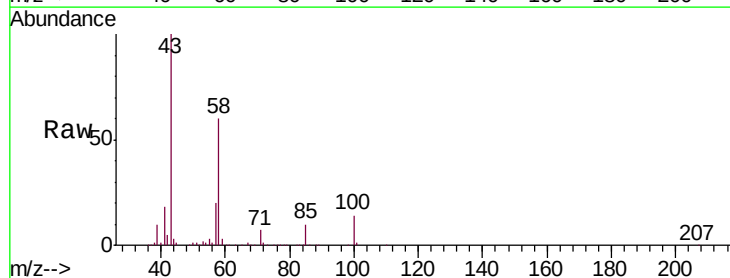
Acq: 03 Oct 2019 13:09

Tgt Ion: 43 Resp: 128555

Ion Ratio Lower Upper

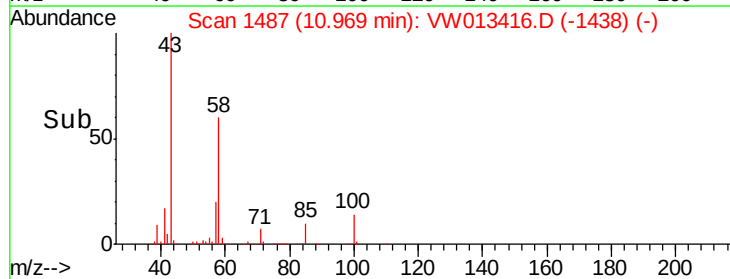
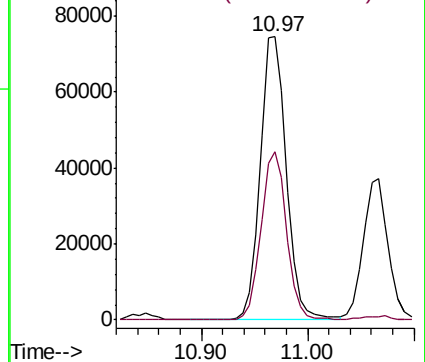
43 100

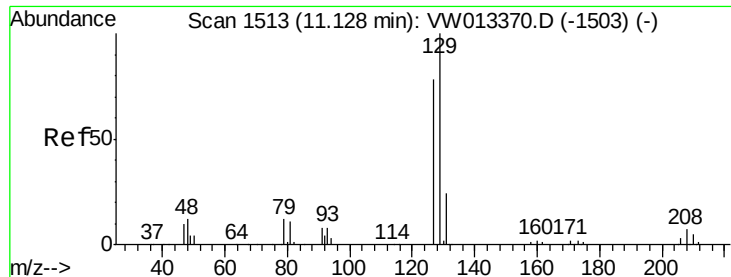
58 58.0 28.1 84.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

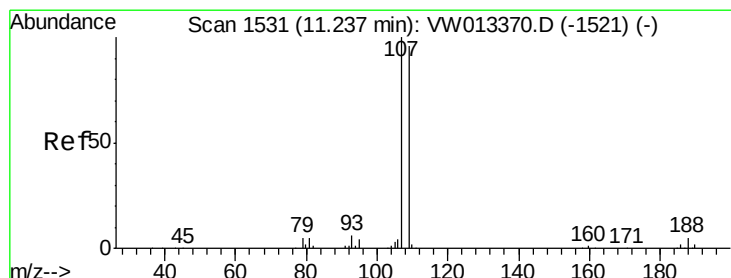
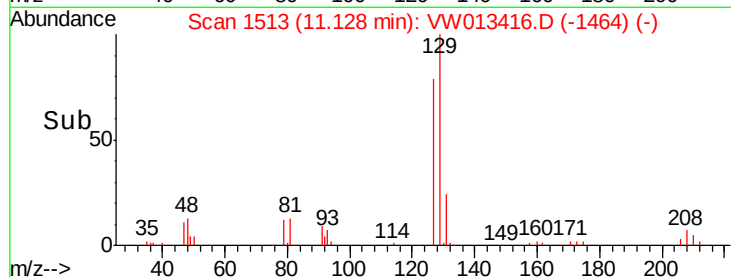
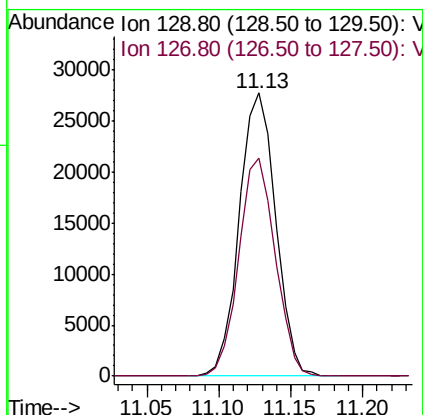
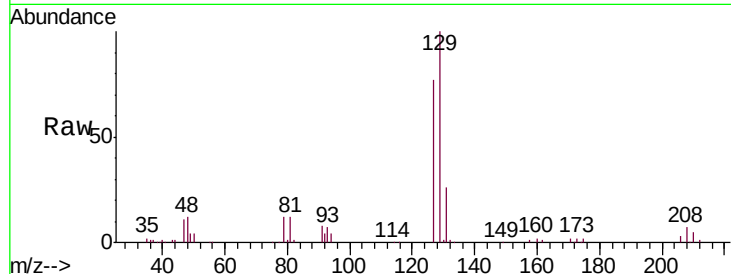




#60
 Dibromochloromethane
 Concen: 20.845 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

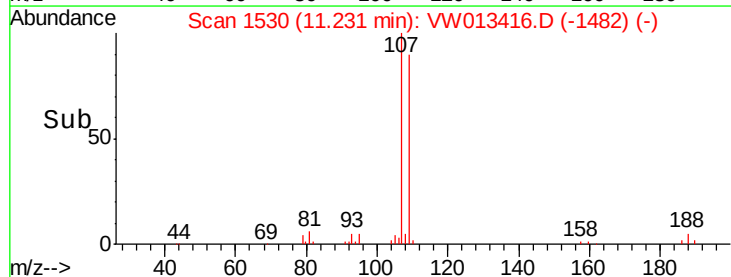
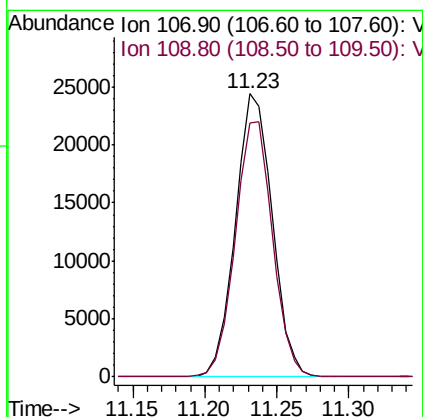
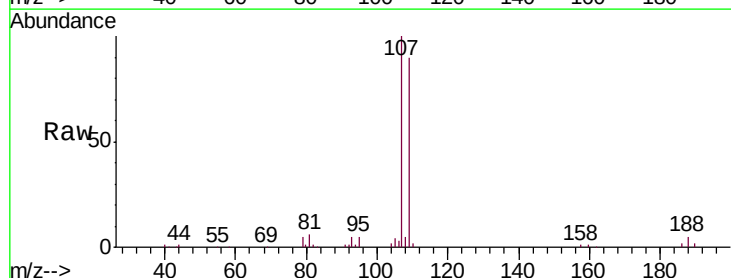
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

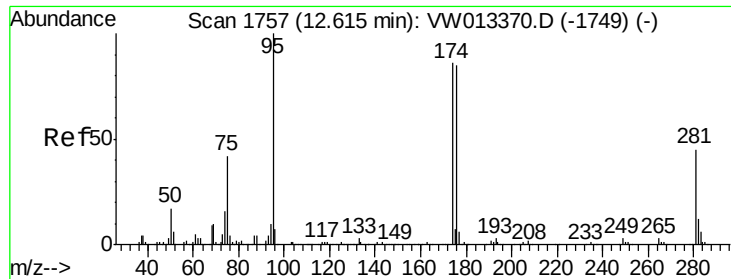
Tgt Ion:129 Resp: 48677
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.8 116.4



#61
 1,2-Dibromoethane
 Concen: 22.012 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion:107 Resp: 43418
 Ion Ratio Lower Upper
 107 100
 109 91.2 75.2 112.8

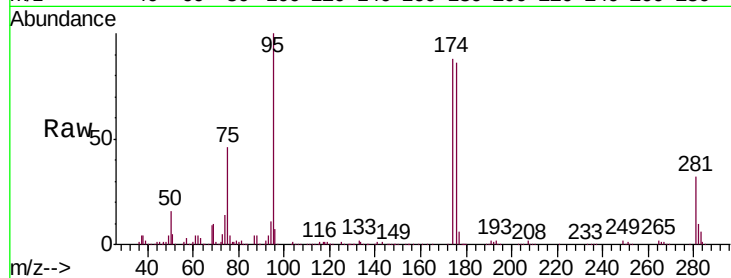




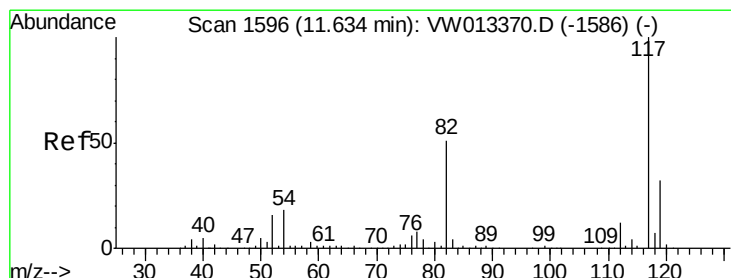
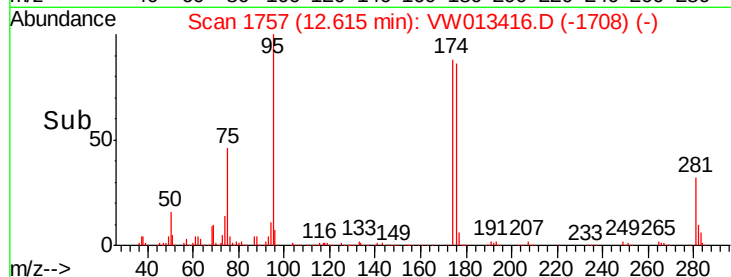
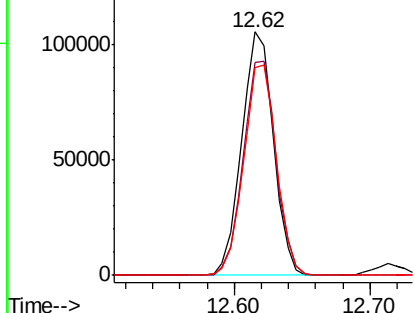
#62
4-Bromofluorobenzene
Concen: 54.418 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampled :
HR-05-100219

Tgt Ion: 95 Resp: 172200
Ion Ratio Lower Upper
95 100
174 90.9 0.0 178.4
176 89.0 0.0 172.2

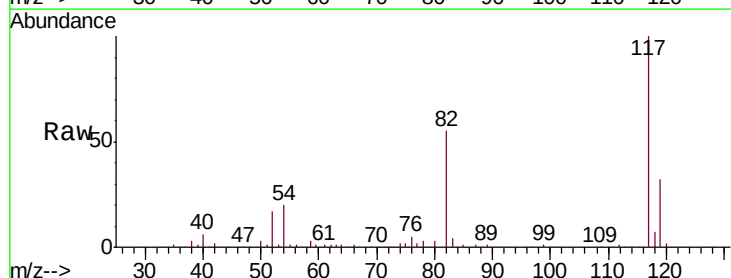


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

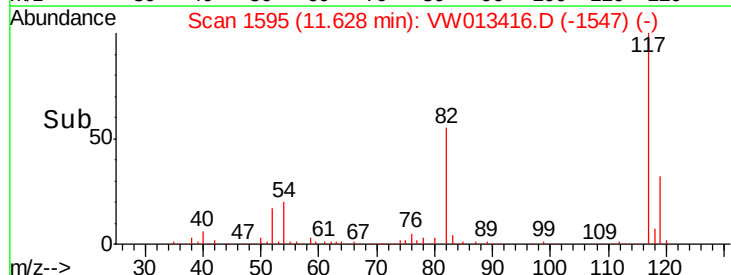
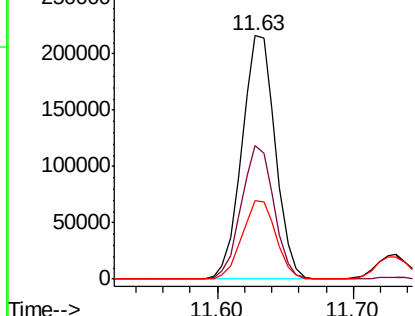


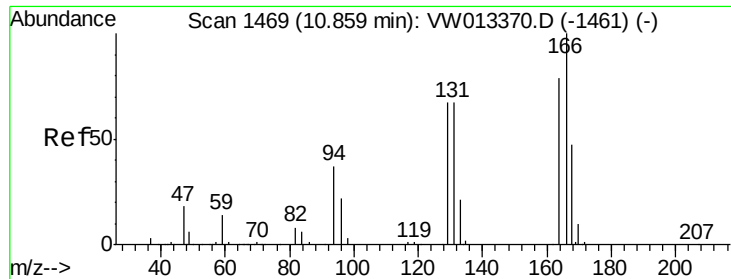
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 117 Resp: 370701
Ion Ratio Lower Upper
117 100
82 55.0 45.9 68.9
119 32.0 26.2 39.2



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





#64

Tetrachloroethene

Concen: 20.974 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

Tgt Ion:164 Resp: 59153

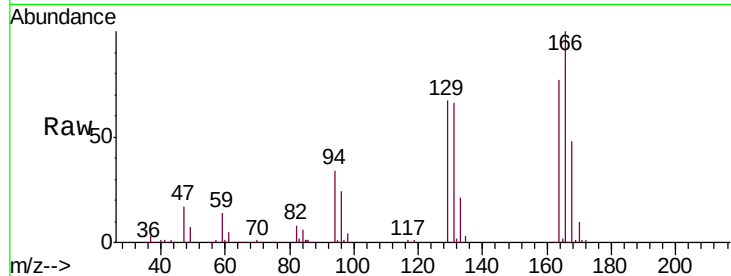
Ion Ratio Lower Upper

164 100

166 129.8 101.2 151.8

129 86.6 68.8 103.2

131 85.1 65.2 97.8

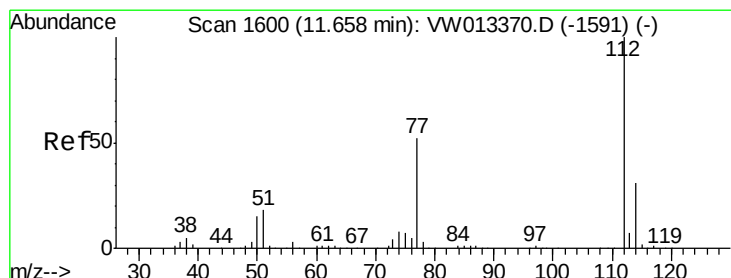
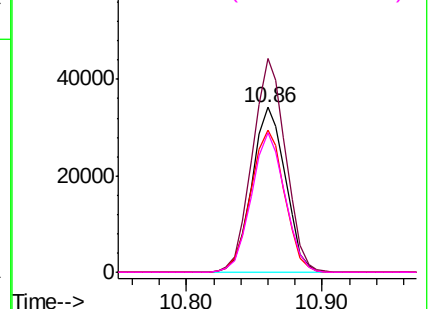
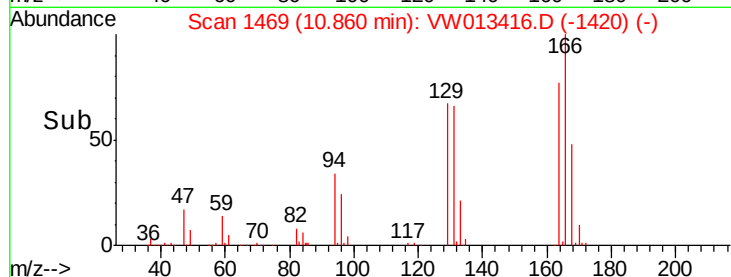


Abundance Ion 163.80 (163.50 to 164.50): V

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: 20.991 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013416.D

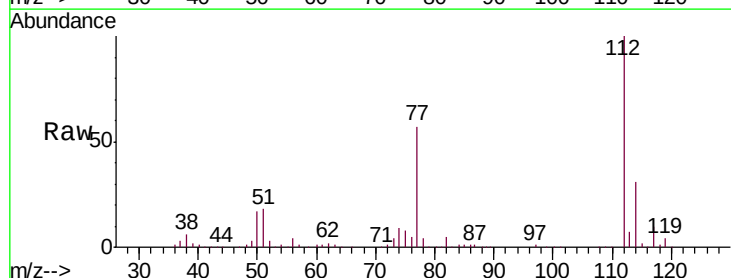
Acq: 03 Oct 2019 13:09

Tgt Ion:112 Resp: 159416

Ion Ratio Lower Upper

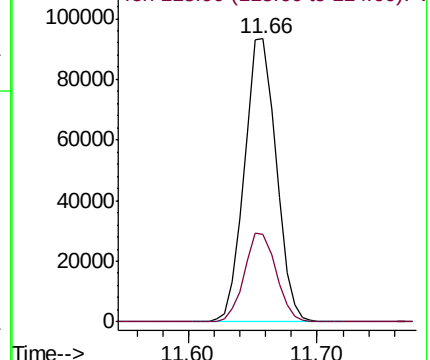
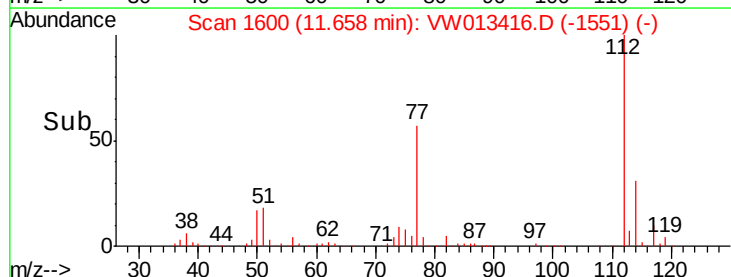
112 100

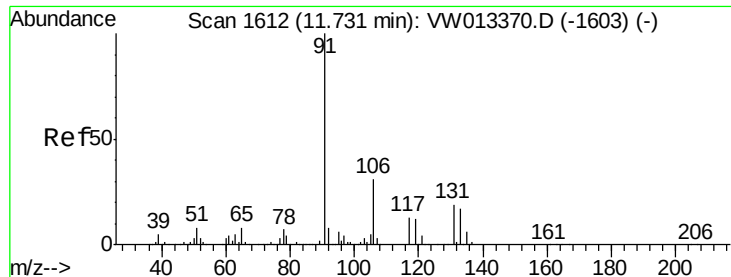
114 31.1 26.5 39.7



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: 21.343 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

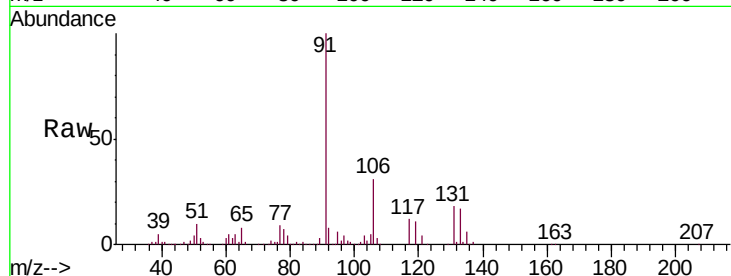
Tgt Ion:131 Resp: 55206

Ion Ratio Lower Upper

131 100

133 92.4 47.5 142.6

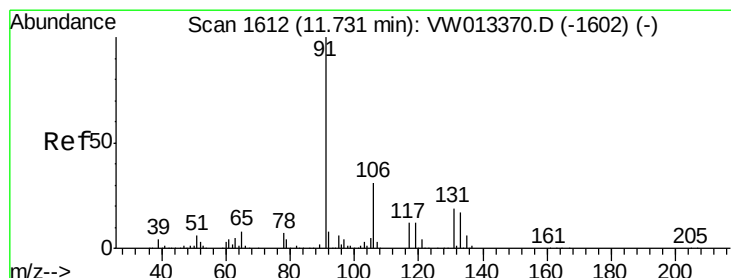
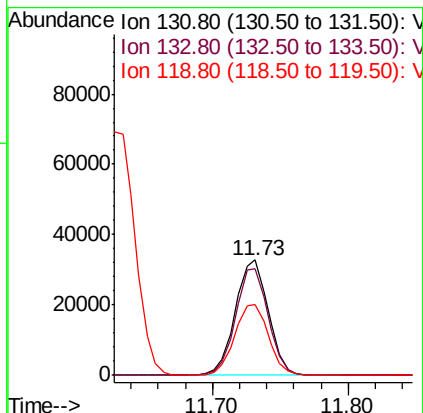
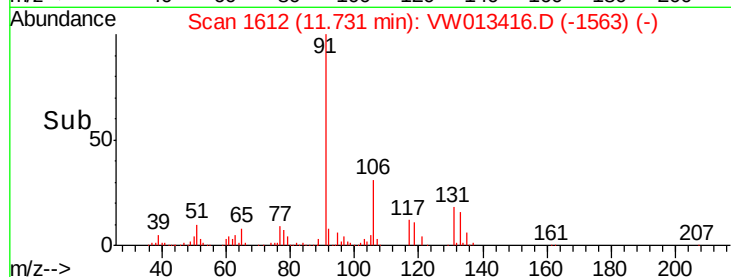
119 63.5 32.5 97.5



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: 21.296 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013416.D

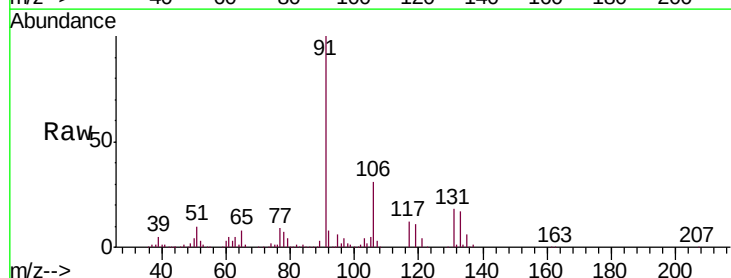
Acq: 03 Oct 2019 13:09

Tgt Ion: 91 Resp: 289872

Ion Ratio Lower Upper

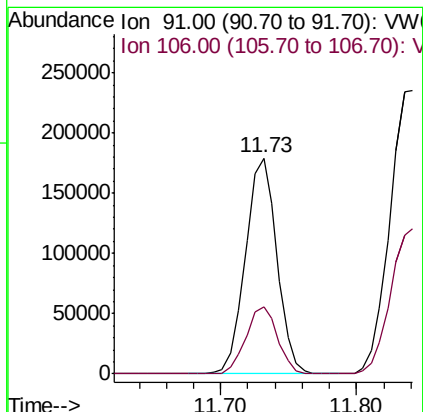
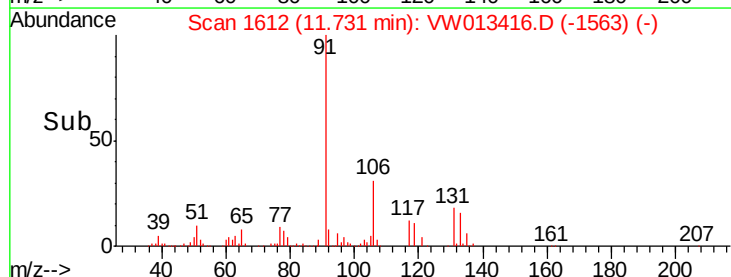
91 100

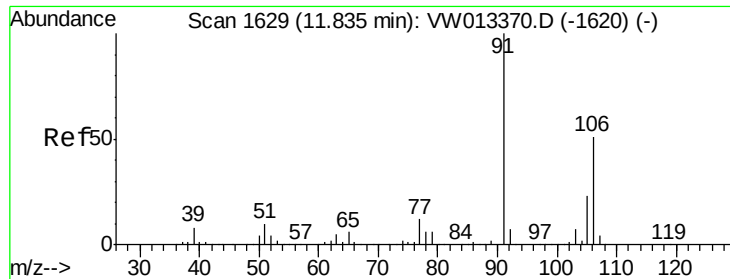
106 31.3 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

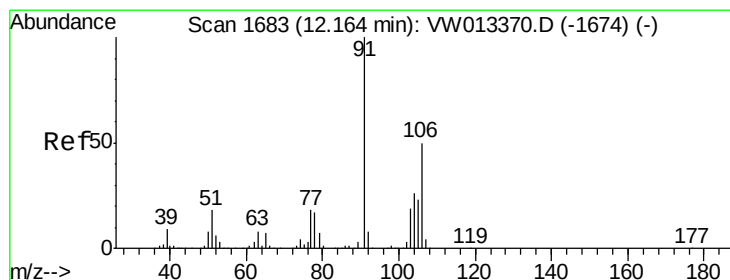
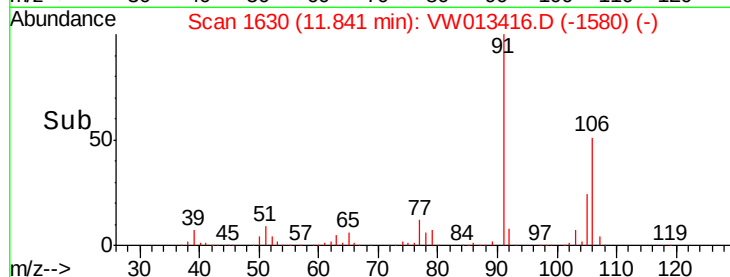
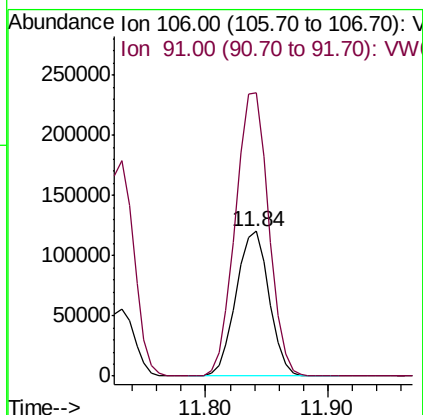
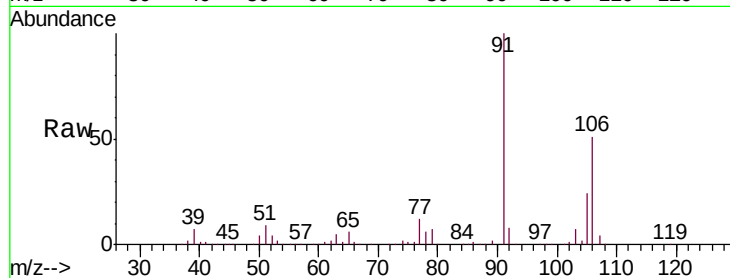




#68
m/p-Xylenes
Concen: 42.973 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

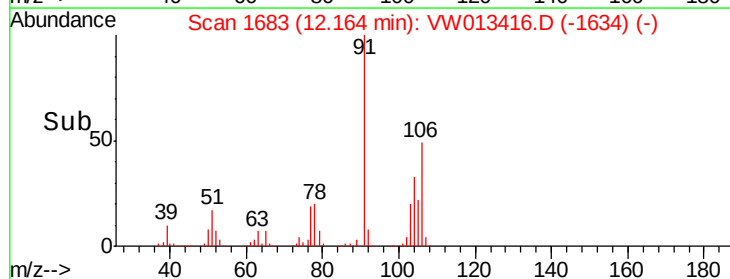
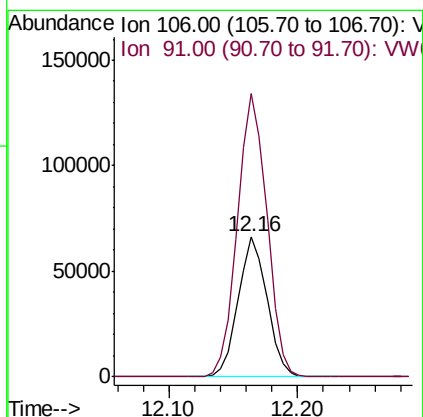
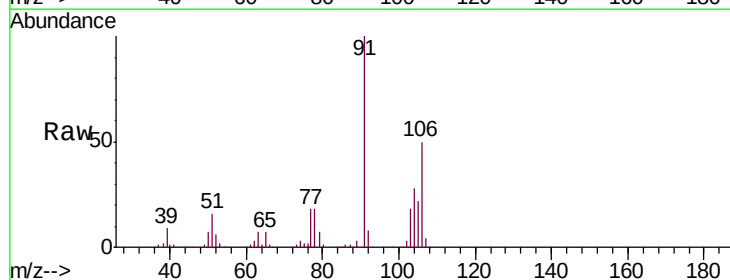
Instrument :
MSVOA_W
ClientSampled :
HR-05-100219

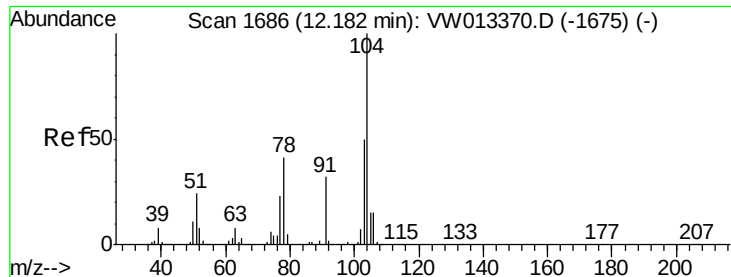
Tgt Ion:106 Resp: 225771
Ion Ratio Lower Upper
106 100
91 196.6 157.9 236.9



#69
o-Xylene
Concen: 21.175 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

Tgt Ion:106 Resp: 102861
Ion Ratio Lower Upper
106 100
91 206.8 106.5 319.5





#70

Styrene

Concen: 20.889 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

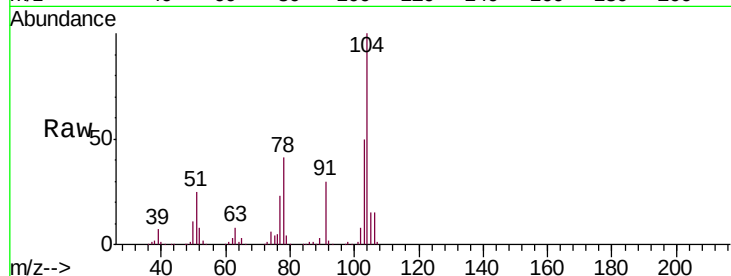
Tgt Ion:104 Resp: 173458

Ion Ratio Lower Upper

104 100

78 48.4 38.4 57.6

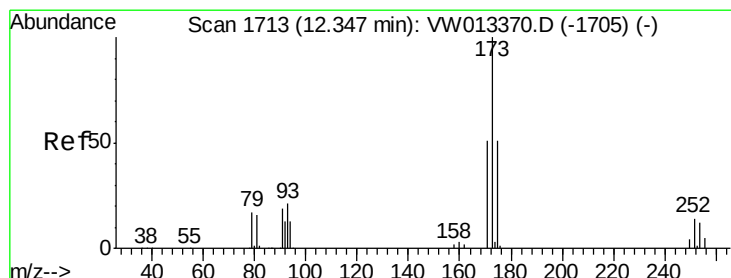
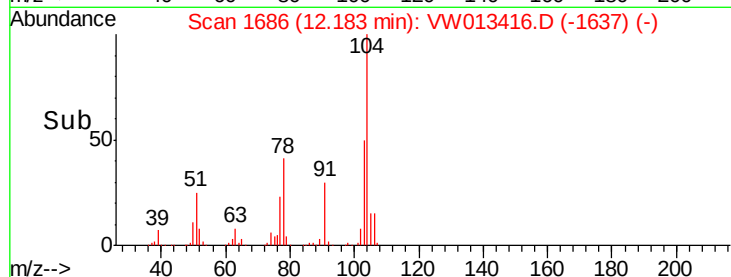
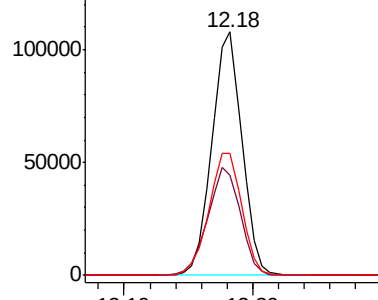
103 55.4 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 20.721 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

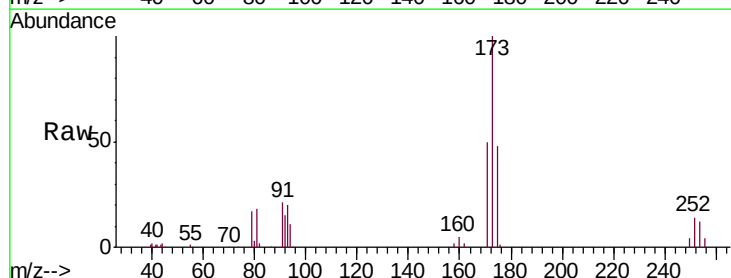
Tgt Ion:173 Resp: 29059

Ion Ratio Lower Upper

173 100

175 49.9 24.3 73.0

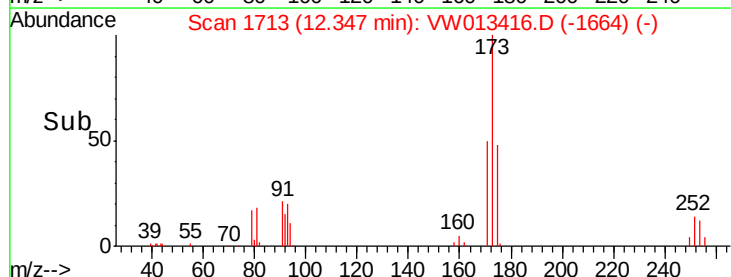
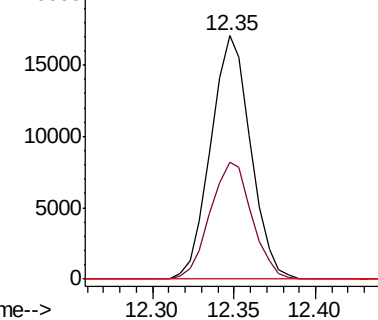
254 0.0 0.1 0.1#

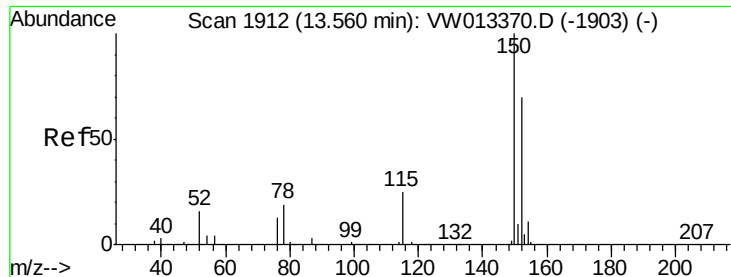


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

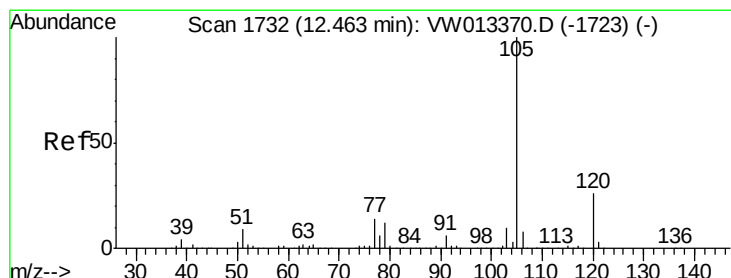
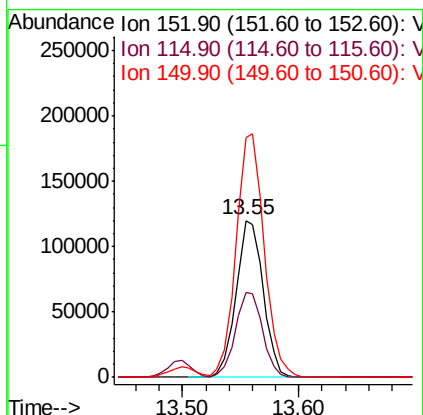
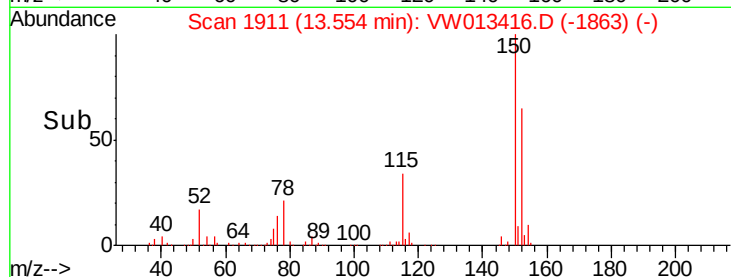
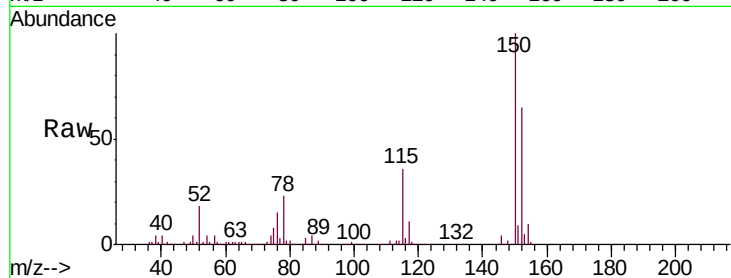
Tgt Ion:152 Resp: 193695

Ion Ratio Lower Upper

152 100

115 54.3 27.3 81.9

150 161.8 0.0 349.0



#73

Isopropylbenzene

Concen: 20.517 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013416.D

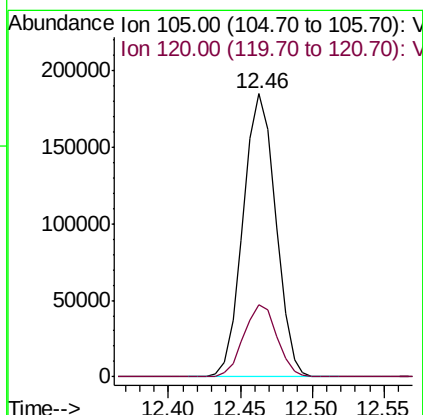
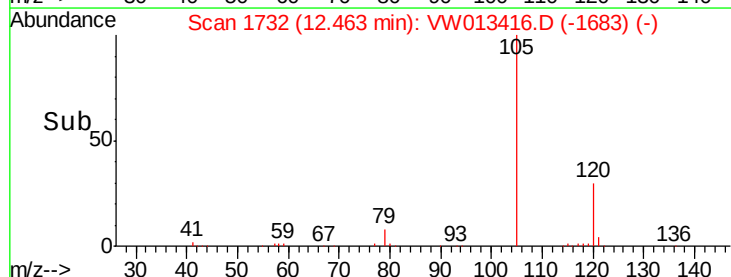
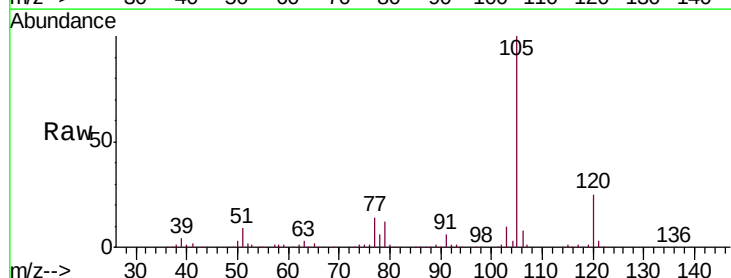
Acq: 03 Oct 2019 13:09

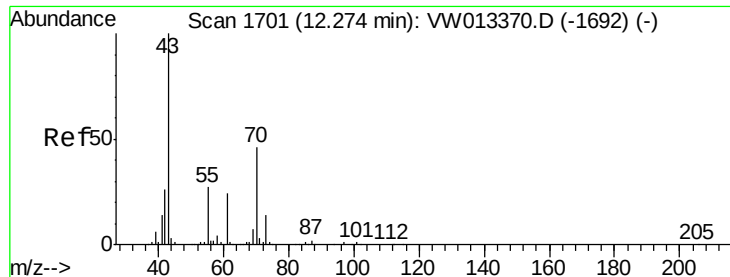
Tgt Ion:105 Resp: 290687

Ion Ratio Lower Upper

105 100

120 25.8 13.4 40.1





#74

N-amyI acetate

Concen: 20.295 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

Tgt Ion: 43 Resp: 61195

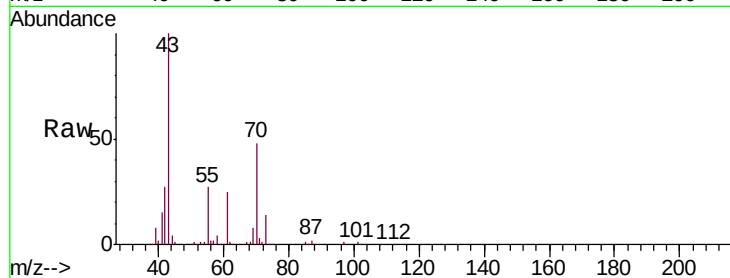
Ion Ratio Lower Upper

43 100

70 46.8 35.1 52.7

55 26.2 19.9 29.9

61 25.2 19.5 29.3

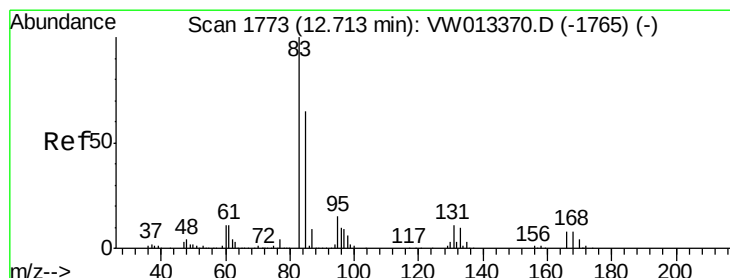
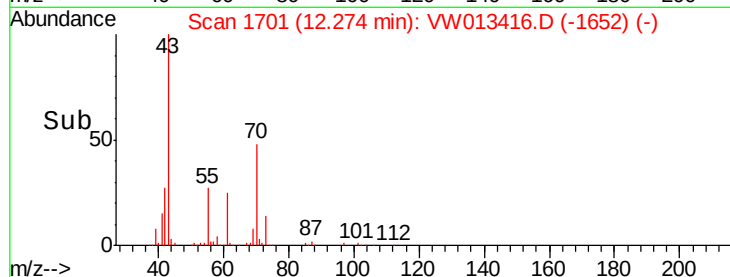
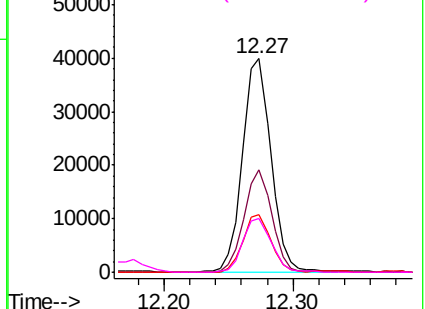


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 21.694 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

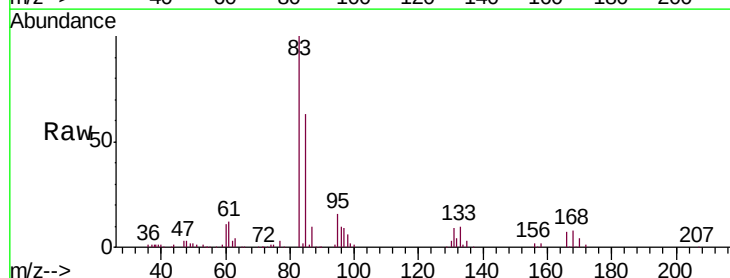
Tgt Ion: 83 Resp: 52025

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

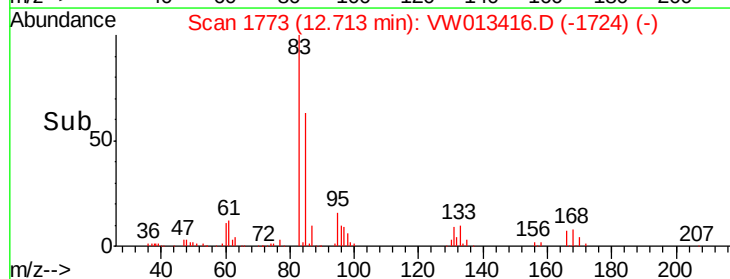
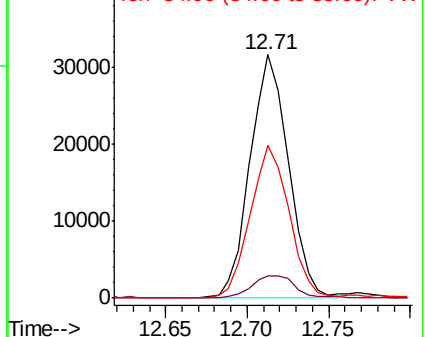
85 63.1 31.9 95.9

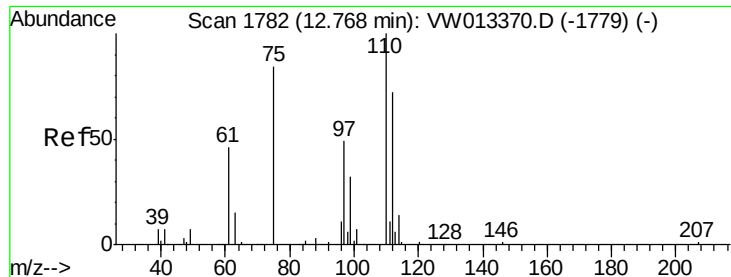


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

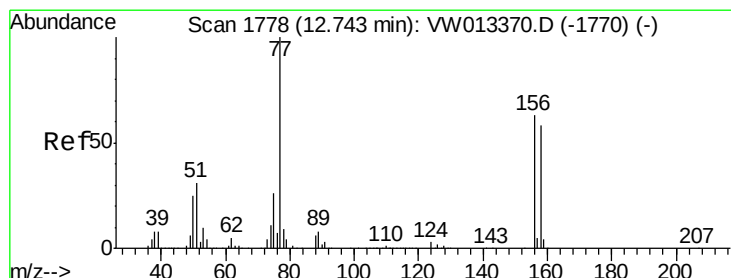
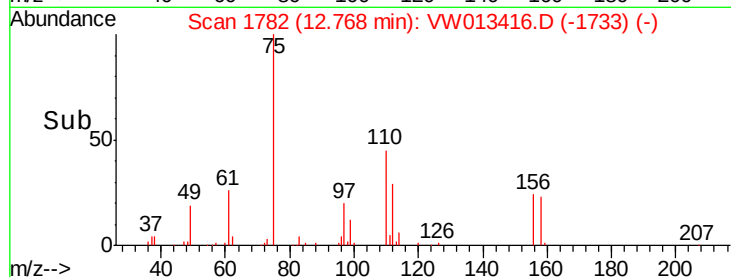
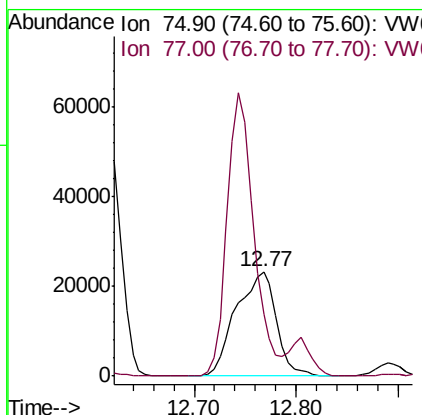
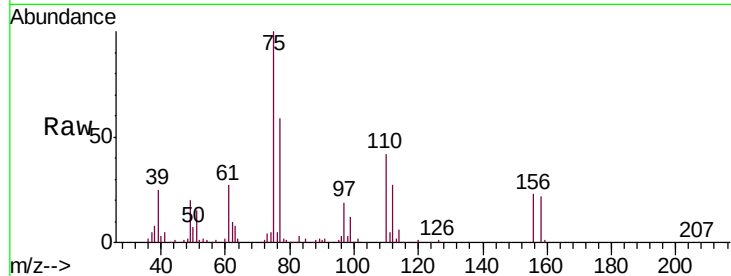




#76
 1,2,3-Trichloropropane
 Concen: 37.104 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

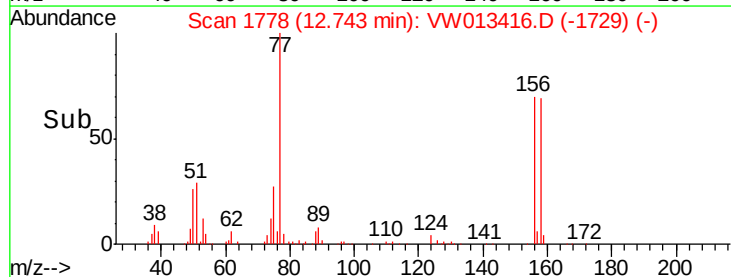
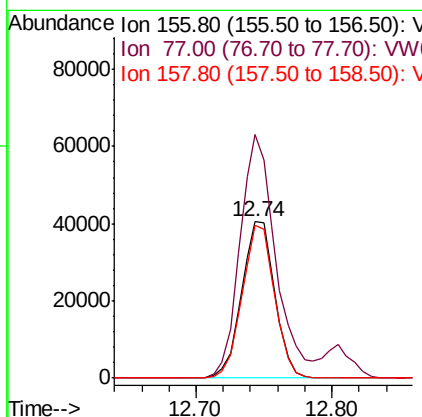
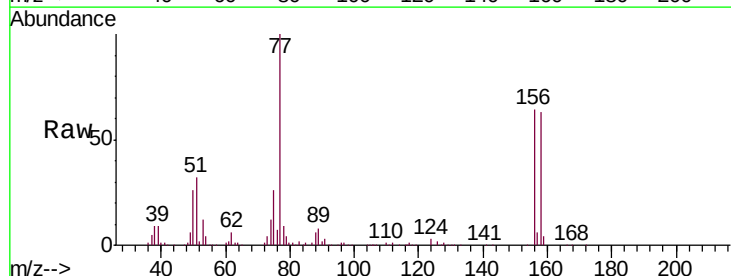
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

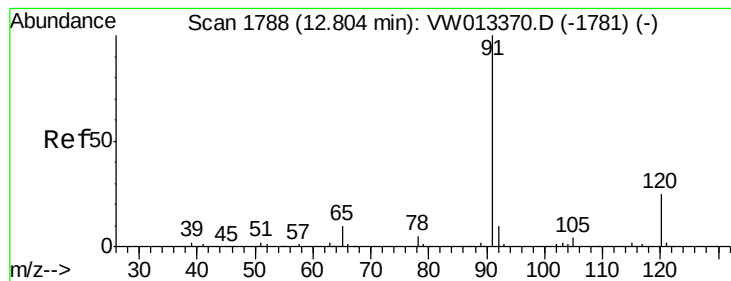
Tgt Ion: 75 Resp: 63875
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 20.221 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 156 Resp: 68794
 Ion Ratio Lower Upper
 156 100
 77 167.8 85.7 257.1
 158 95.7 48.1 144.4





#78

n-propylbenzene

Concen: 20.713 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

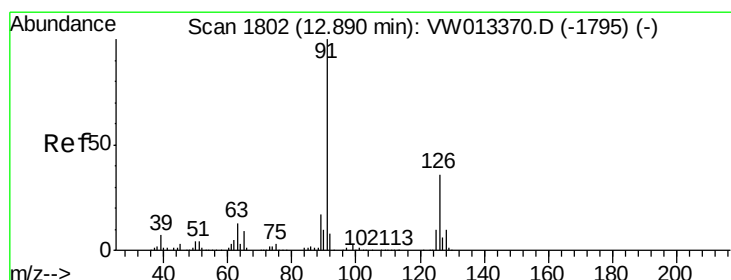
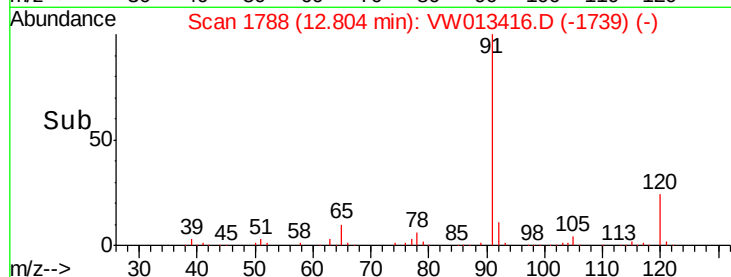
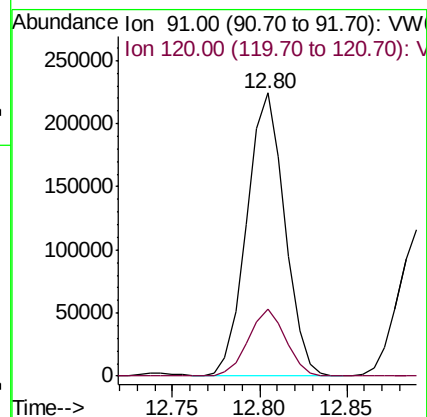
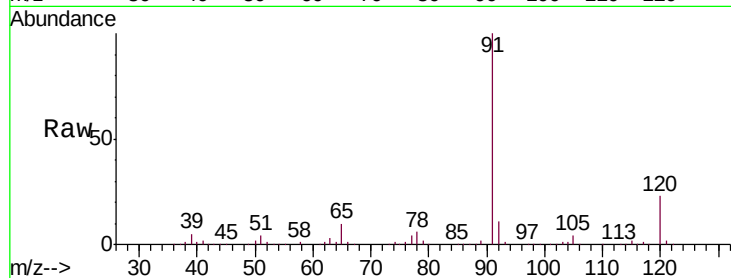
HR-05-100219

Tgt Ion: 91 Resp: 337581

Ion Ratio Lower Upper

91 100

120 23.3 11.7 35.1



#79

2-Chlorotoluene

Concen: 20.512 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013416.D

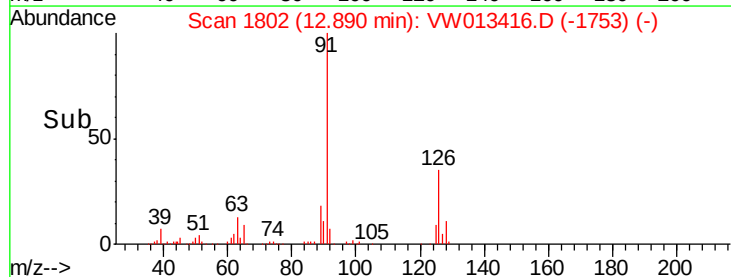
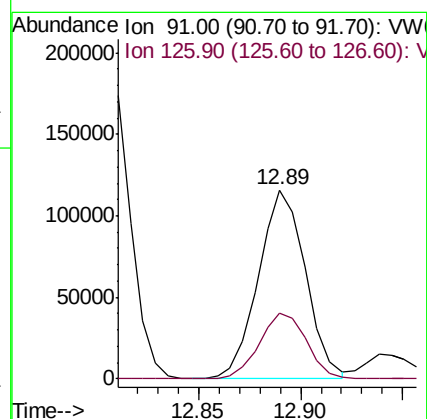
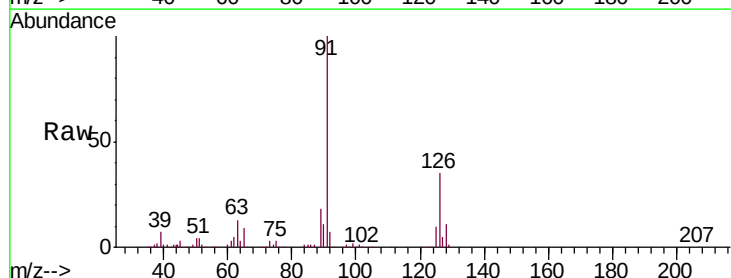
Acq: 03 Oct 2019 13:09

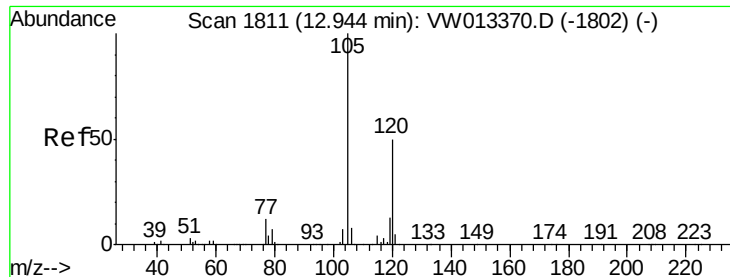
Tgt Ion: 91 Resp: 185676

Ion Ratio Lower Upper

91 100

126 35.2 17.2 51.5





#80

1,3,5-Trimethylbenzene

Concen: 20.487 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

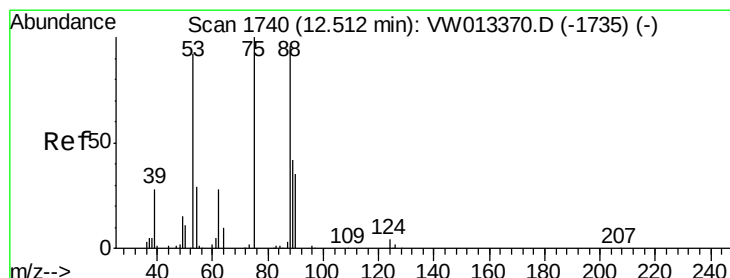
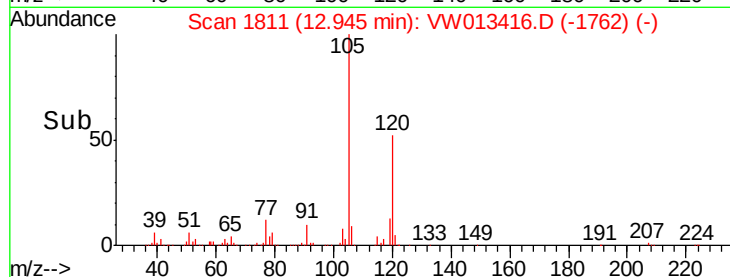
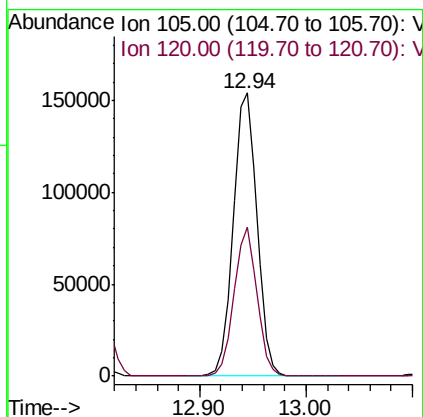
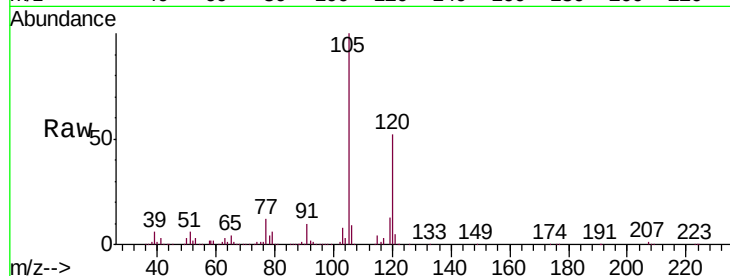
HR-05-100219

Tgt Ion:105 Resp: 241122

Ion Ratio Lower Upper

105 100

120 50.9 24.9 74.8



#81

trans-1,4-Dichloro-2-butene

Concen: 22.108 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

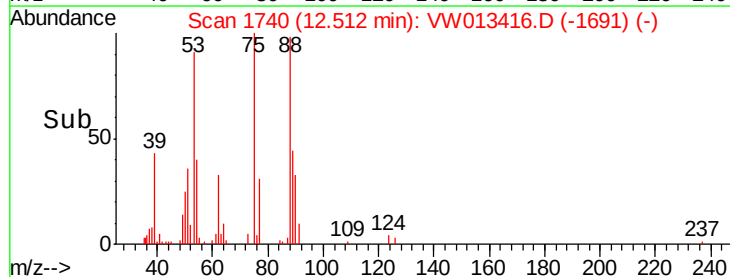
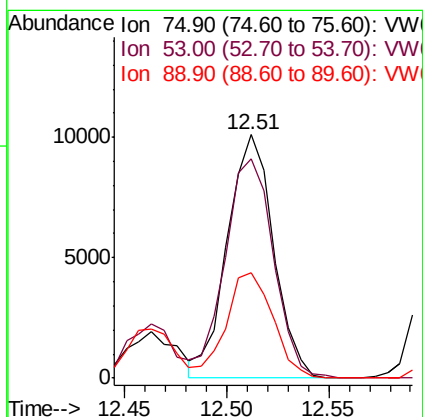
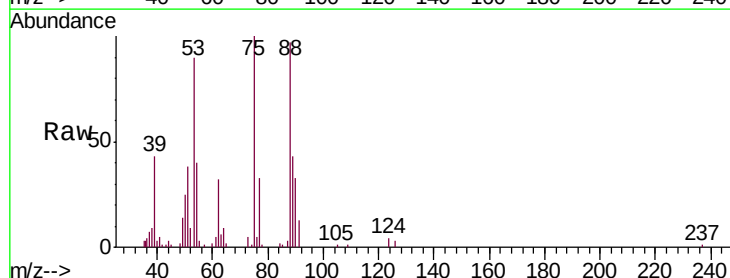
Tgt Ion: 75 Resp: 15826

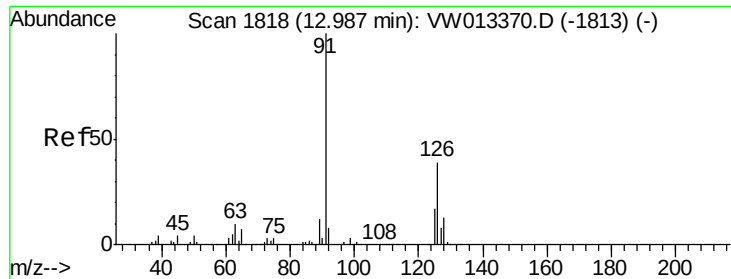
Ion Ratio Lower Upper

75 100

53 94.9 76.6 114.8

89 44.3 33.5 50.3





#82

4-Chlorotoluene

Concen: 20.375 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

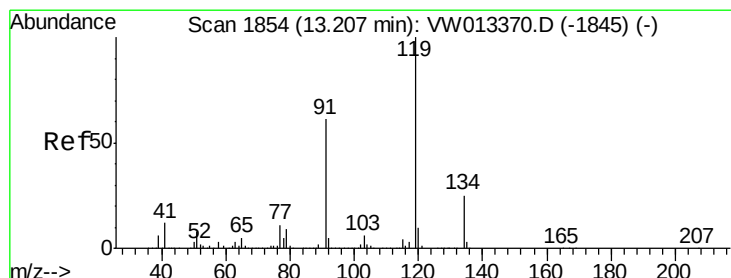
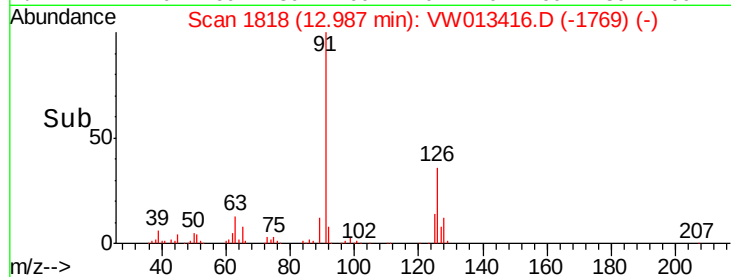
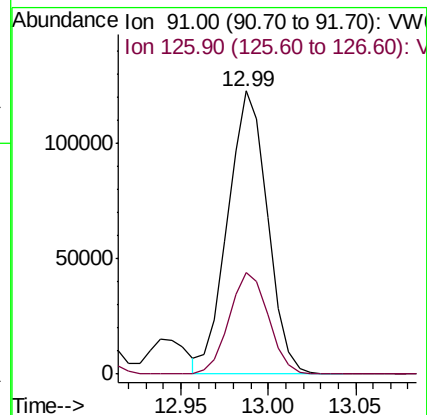
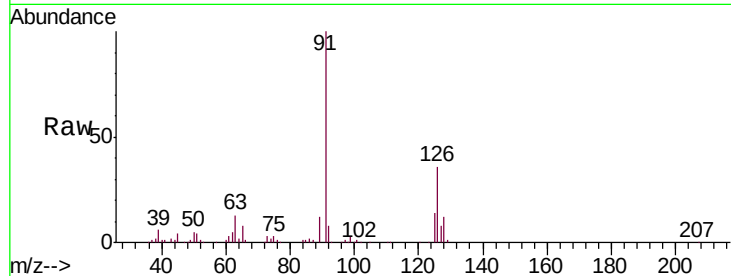
HR-05-100219

Tgt Ion: 91 Resp: 193201

Ion Ratio Lower Upper

91 100

126 35.6 17.3 51.7



#83

tert-Butylbenzene

Concen: 20.551 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

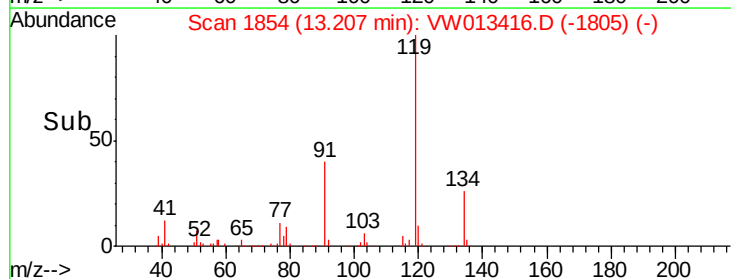
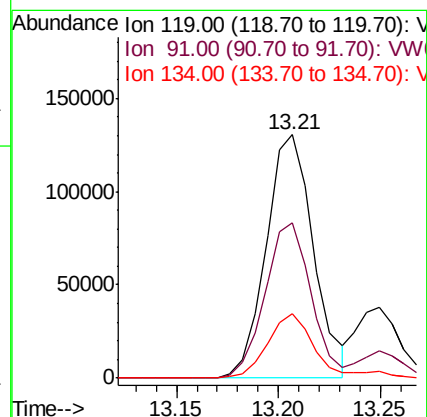
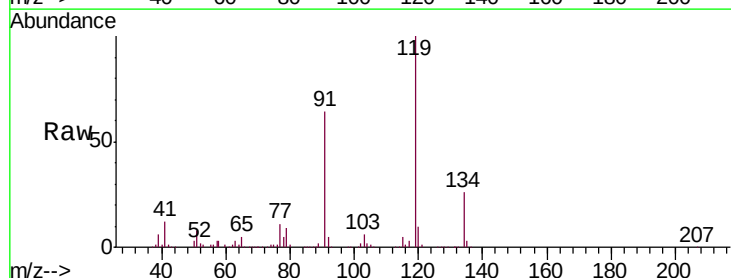
Tgt Ion: 119 Resp: 211269

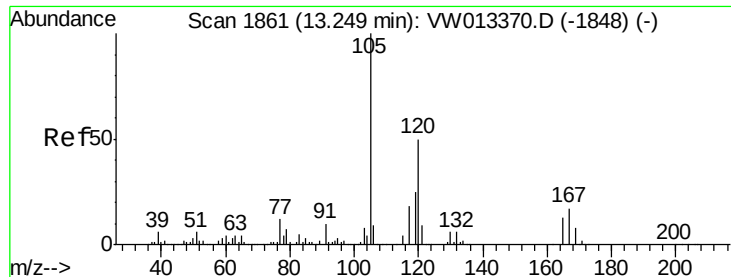
Ion Ratio Lower Upper

119 100

91 62.2 30.7 92.1

134 27.2 12.6 37.6

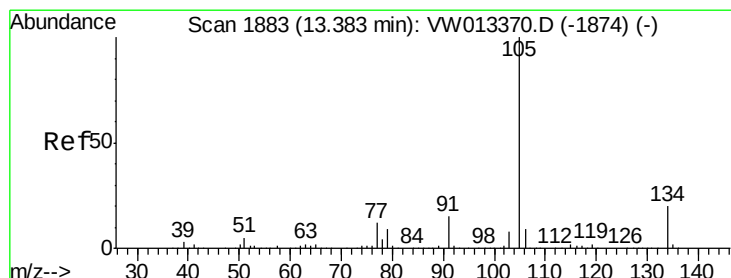
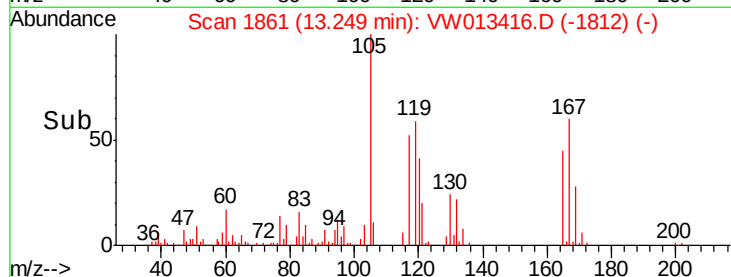
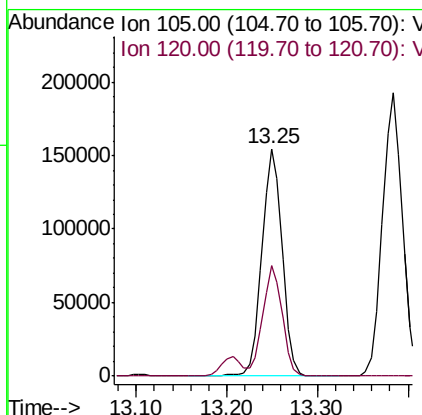
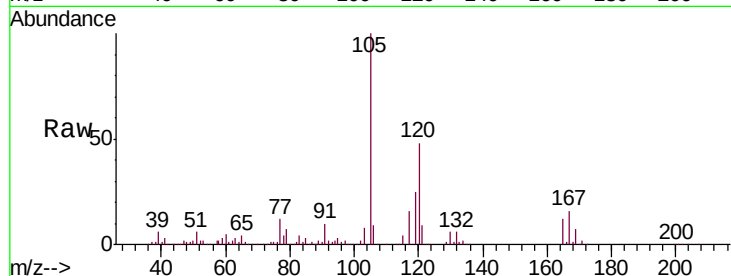




#84
1,2,4-Trimethylbenzene
Concen: 20.399 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

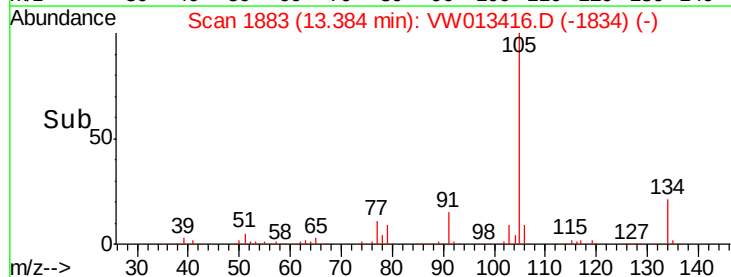
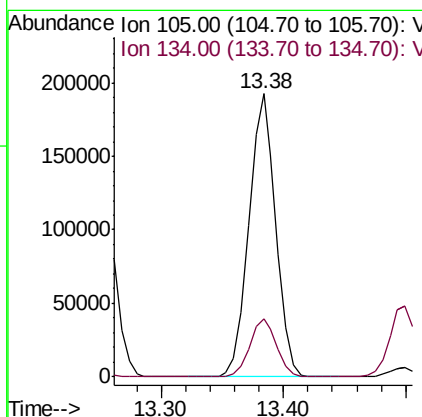
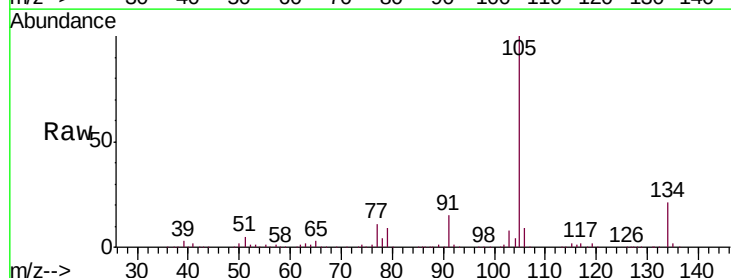
Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

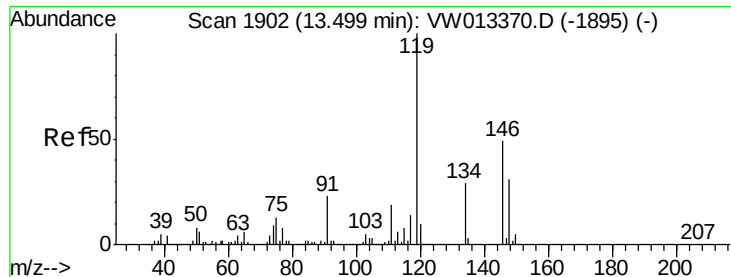
Tgt Ion:105 Resp: 238669
Ion Ratio Lower Upper
105 100
120 46.3 23.4 70.3



#85
sec-Butylbenzene
Concen: 20.586 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 13:09

Tgt Ion:105 Resp: 291776
Ion Ratio Lower Upper
105 100
134 20.7 10.3 30.8

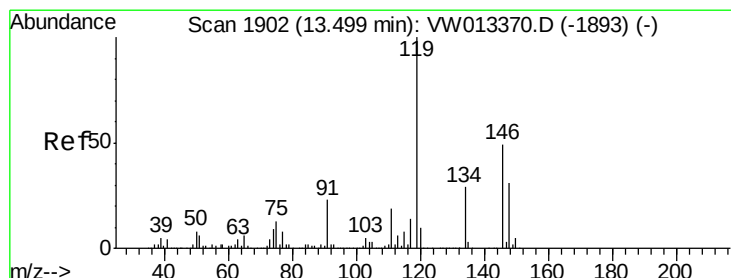
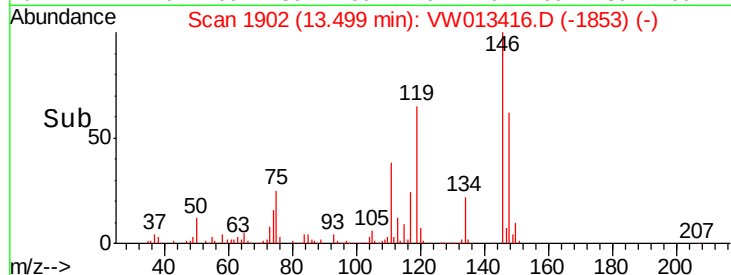
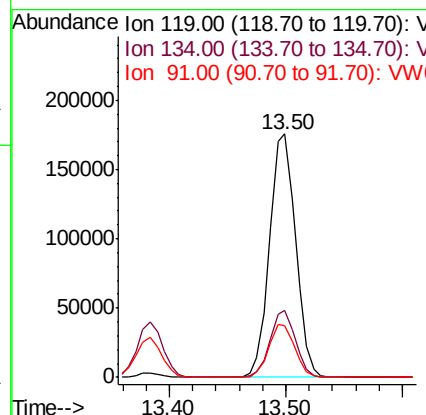
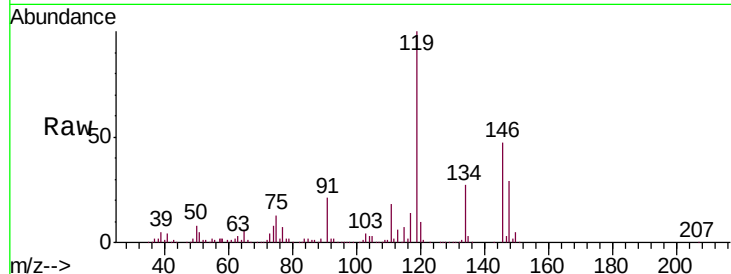




#86
 p-Isopropyltoluene
 Concen: 20.658 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

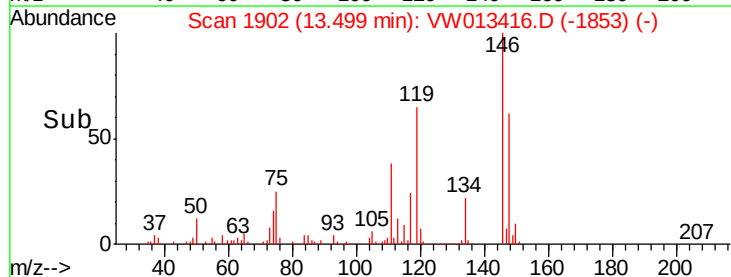
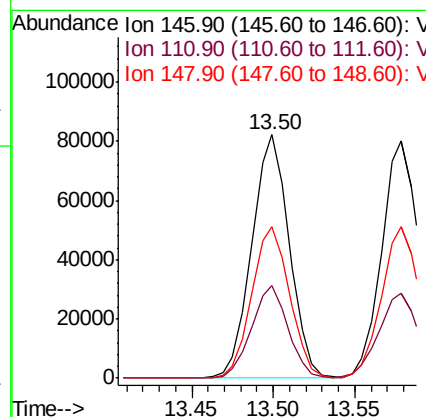
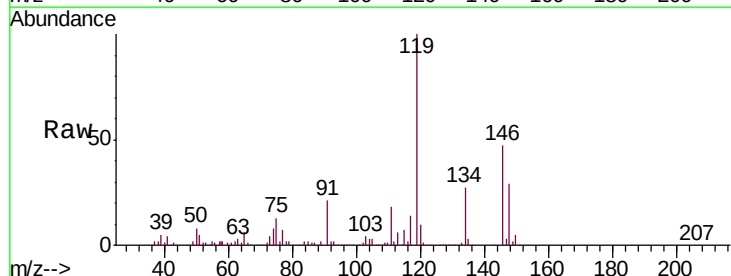
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

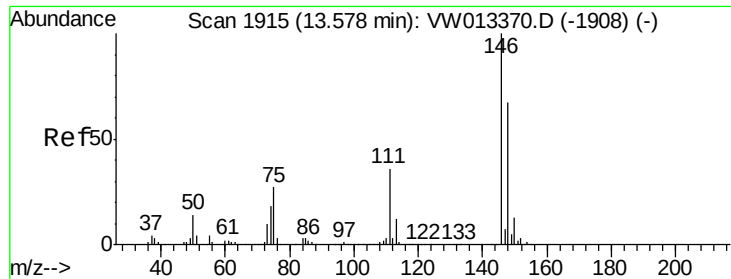
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	21.7	10.8	32.4



#87
 1,3-Dichlorobenzene
 Concen: 20.534 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	62.8	31.9	95.5

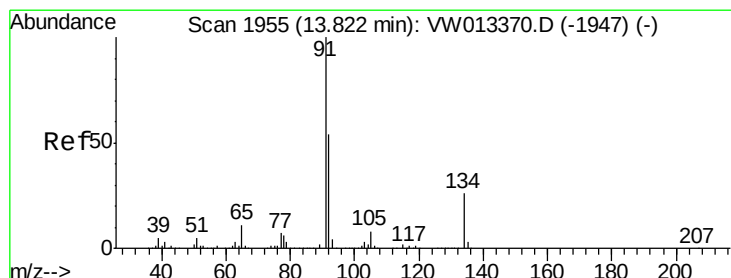
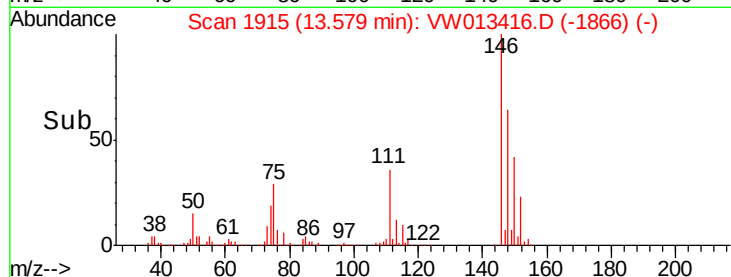
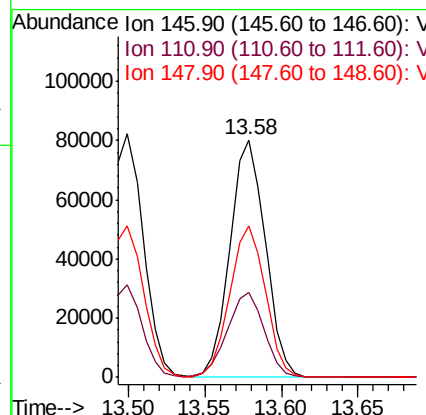
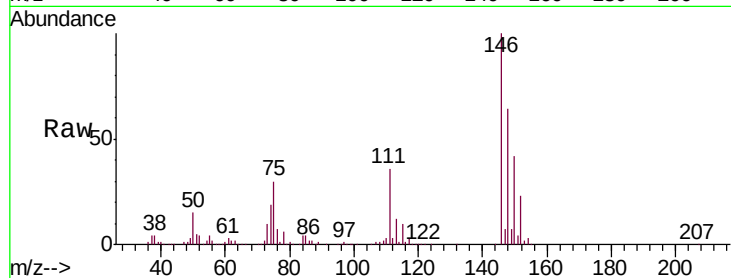




#88
 1,4-Dichlorobenzene
 Concen: 20.078 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

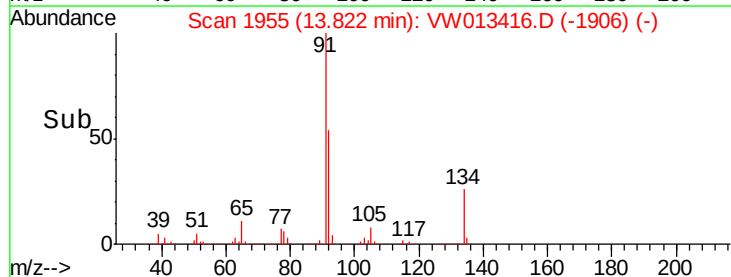
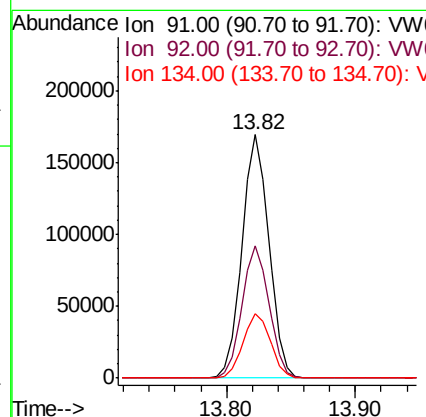
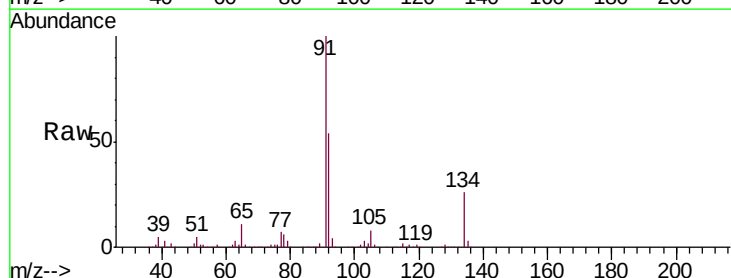
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

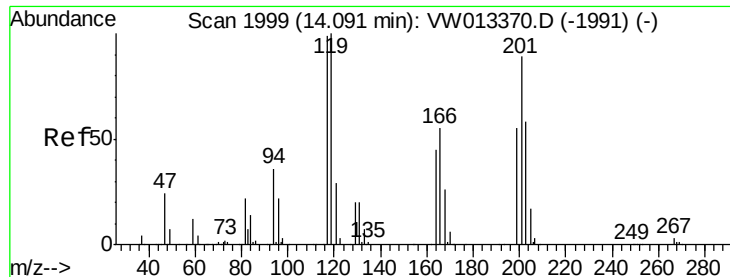
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	64.3	32.1	96.3



#89
 n-Butylbenzene
 Concen: 20.686 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.8
134	26.8	13.7	41.1





#90

Hexachloroethane

Concen: 20.309 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

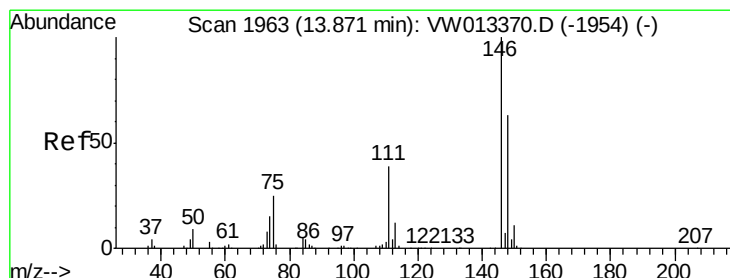
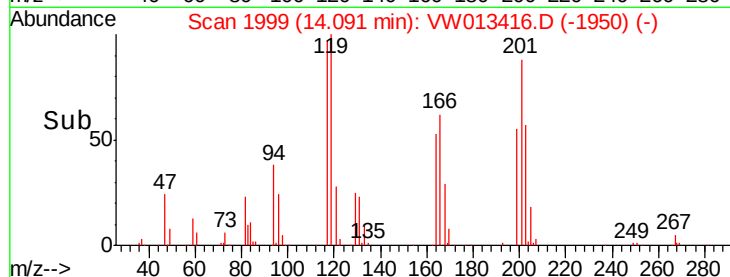
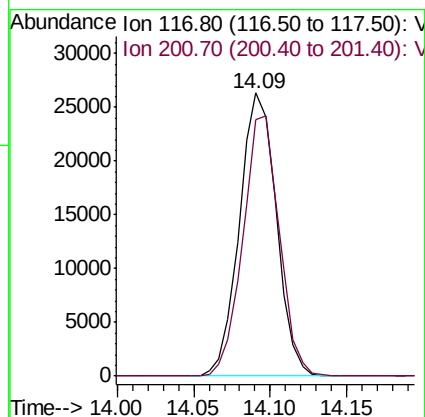
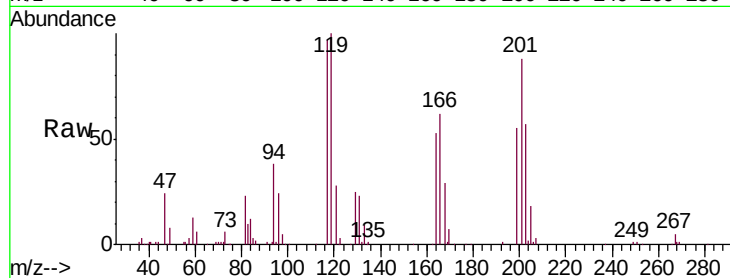
HR-05-100219

Tgt Ion:117 Resp: 44073

Ion Ratio Lower Upper

117 100

201 90.8 44.5 133.5



#91

1,2-Dichlorobenzene

Concen: 20.313 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

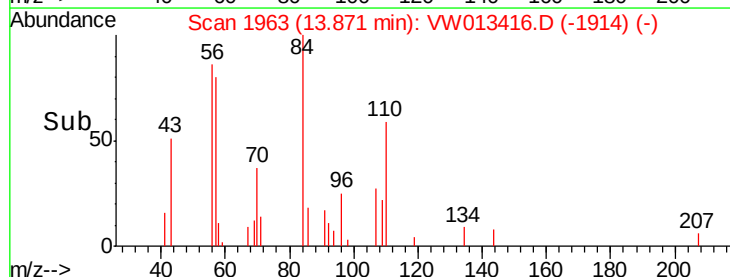
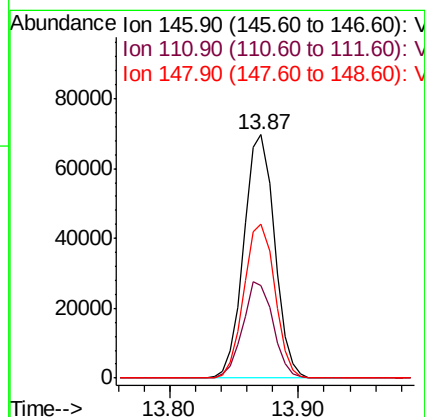
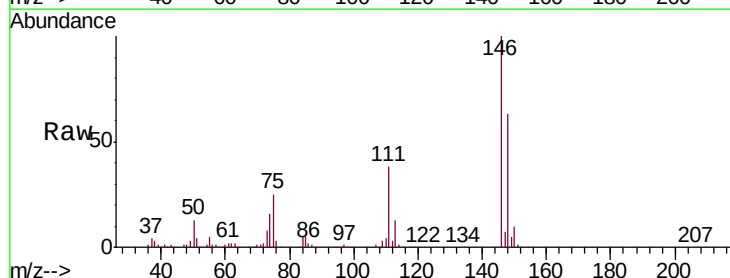
Tgt Ion:146 Resp: 114932

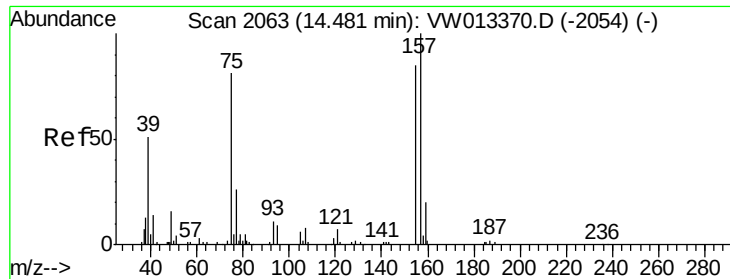
Ion Ratio Lower Upper

146 100

111 39.0 20.1 60.3

148 63.8 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 21.121 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

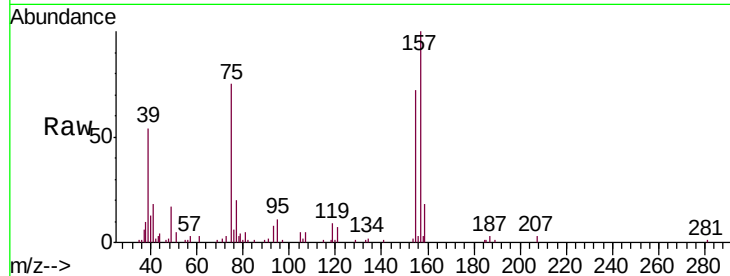
Tgt Ion: 75 Resp: 7576

Ion Ratio Lower Upper

75 100

155 100.8 46.1 138.3

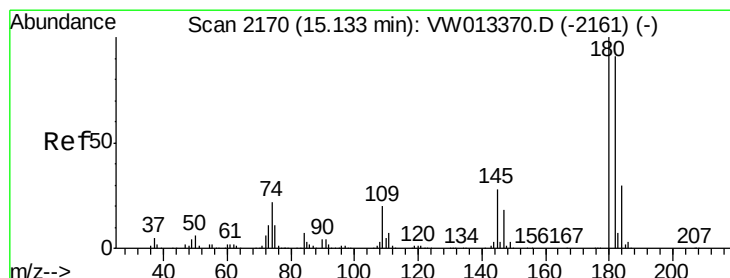
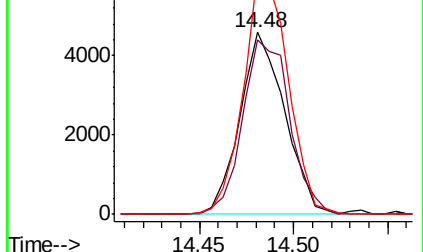
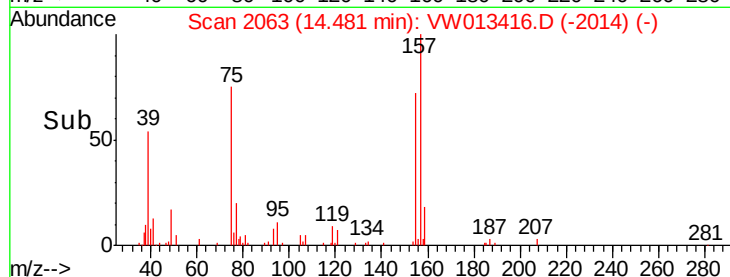
157 131.5 60.4 181.2



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: 19.582 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

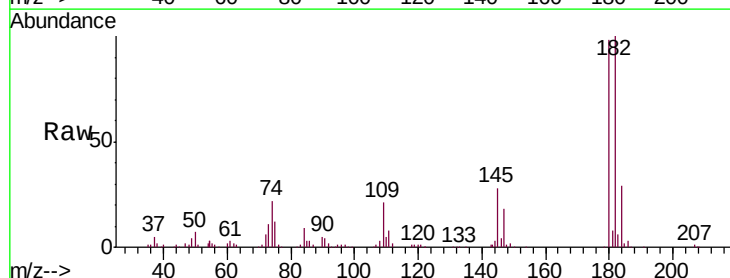
Tgt Ion: 180 Resp: 79513

Ion Ratio Lower Upper

180 100

182 96.5 47.3 142.0

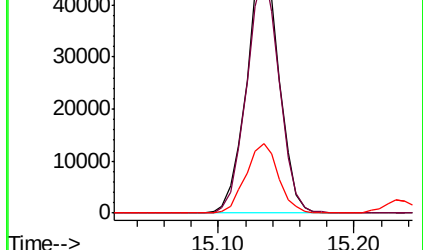
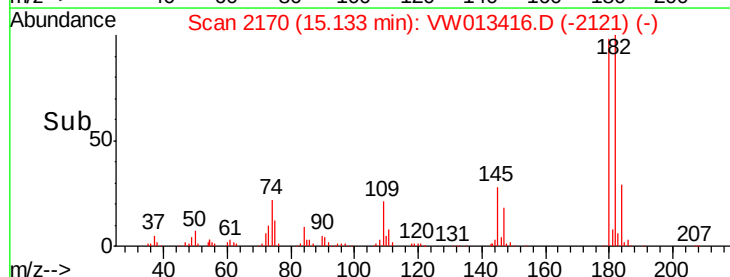
145 28.0 14.2 42.8

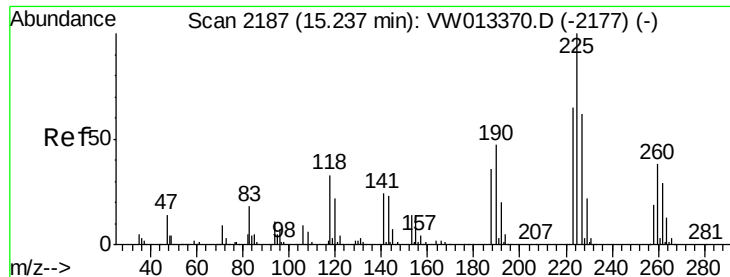


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 20.106 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

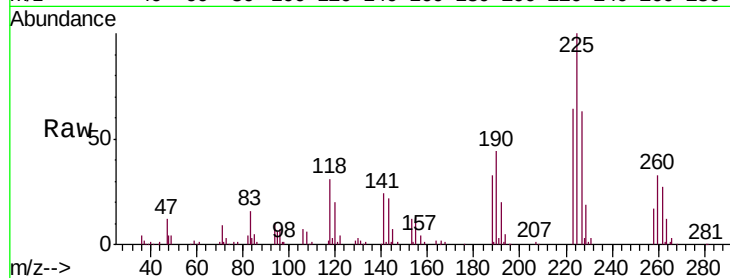
Tgt Ion: 225 Resp: 53036

Ion Ratio Lower Upper

225 100

223 63.4 30.6 91.8

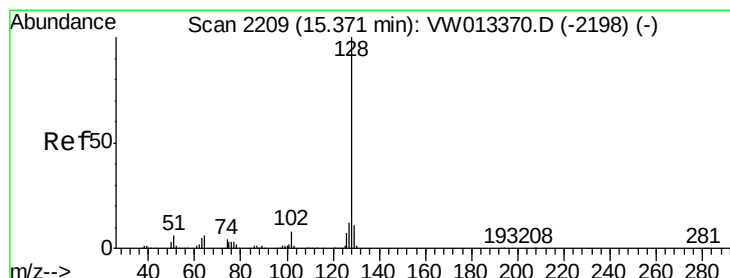
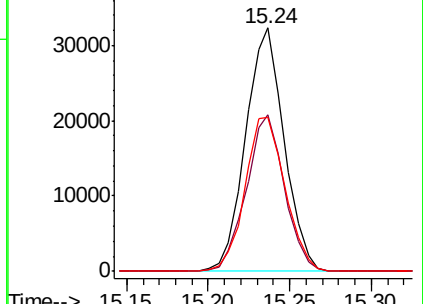
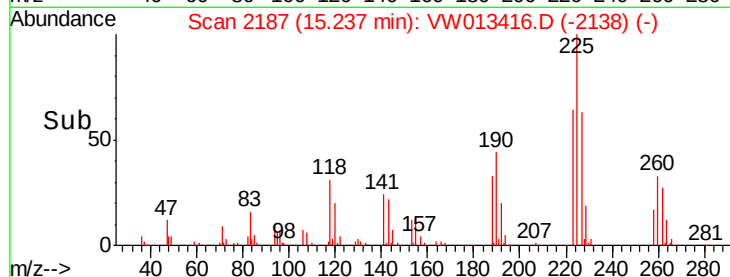
227 65.9 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 19.633 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013416.D

Acq: 03 Oct 2019 13:09

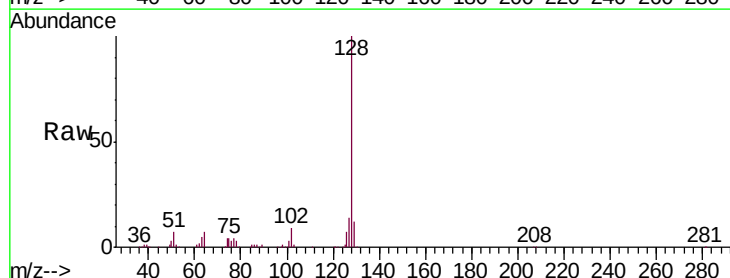
Tgt Ion: 128 Resp: 134480

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

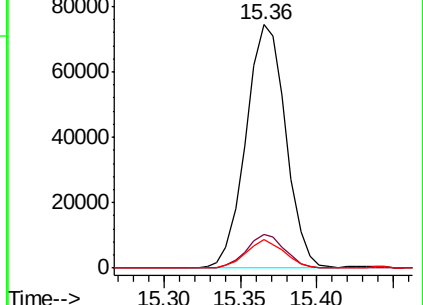
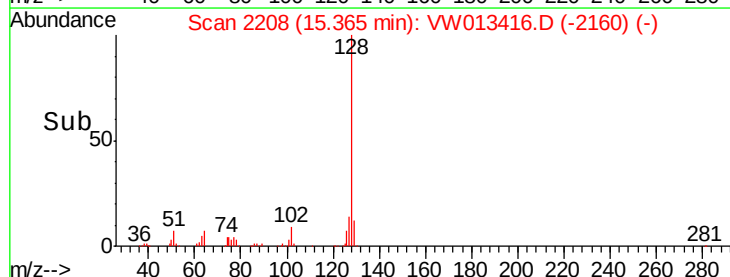
129 11.1 8.7 13.1

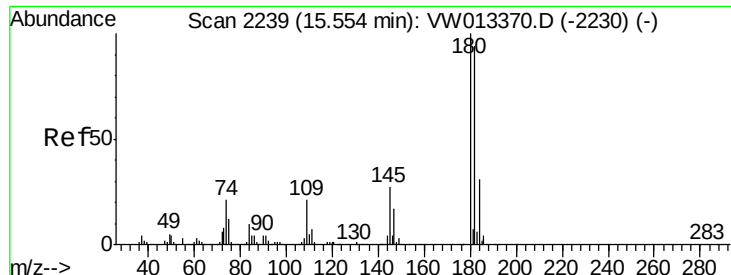


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 19.422 ug/l
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

Tgt Ion:	180	Resp:	68856
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.7
145	29.7	15.0	45.0

