

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008774.D
 Acq On : 21 Feb 2019 17:17
 Operator : SY/VA
 Sample : K1345-03RE
 Misc : 5.76G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-022019RE

Quant Time: Feb 22 01:08:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	382428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	578787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	508041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	233484	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	205031	57.16	ug/l	0.00
Spiked Amount			Recovery	=	114.32%	
35) Dibromofluoromethane	7.88	113	174613	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	10.32	98	684492	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.62	95	230080	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	306	0.080	ug/l	93
3) Chloromethane	2.22	50	441	0.095	ug/l #	80
4) Vinyl Chloride	2.36	62	25	0.005	ug/l #	44
5) Bromomethane	2.78	94	479	0.131	ug/l #	15
6) Chloroethane	2.90	64	166	0.047	ug/l	91
7) Trichlorofluoromethane	3.27	101	463	0.074	ug/l #	77
8) Diethyl Ether	3.69	74	1555	0.787	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.94	101	51	0.013	ug/l #	48
10) Methyl Iodide	4.28	142	387	0.082	ug/l #	48
12) 1,1-Dichloroethene	4.04	96	69	0.021	ug/l #	1
14) Allyl chloride	4.66	41	65	0.011	ug/l #	1
15) Acrylonitrile	5.36	53	320	0.377	ug/l #	35
16) Acetone	4.13	43	33208	39.942	ug/l	97
17) Carbon Disulfide	4.37	76	705	0.063	ug/l #	73
18) Methyl Acetate	4.68	43	913	0.463	ug/l #	66
19) Methyl tert-butyl Ether	5.44	73	115	0.013	ug/l #	1
20) Methylene Chloride	4.92	84	35499	3.963	ug/l	97
21) trans-1,2-Dichloroethene	5.40	96	153	0.040	ug/l #	1
22) Diisopropyl ether	6.32	45	280	0.024	ug/l #	35
23) Vinyl Acetate	6.26	43	429	0.060	ug/l #	73
24) 1,1-Dichloroethane	6.23	63	105	0.016	ug/l #	82
26) 2,2-Dichloropropane	7.15	77	5710	0.941	ug/l #	54
27) cis-1,2-Dichloroethene	7.15	96	87	0.021	ug/l #	1
28) Bromochloromethane	7.49	49	44	0.016	ug/l #	13
30) Chloroform	7.68	83	364	0.053	ug/l #	79
32) 1,1,1-Trichloroethane	7.85	97	42	0.007	ug/l #	24
37) Ethyl Acetate	7.27	43	256	0.098	ug/l #	70
39) Methylcyclohexane	9.34	83	1844	0.262	ug/l	96
40) Benzene	8.32	78	4320	0.281	ug/l	98
41) Methacrylonitrile	7.47	41	148	0.096	ug/l #	37
42) 1,2-Dichloroethane	8.40	62	834	0.171	ug/l #	75
43) Isopropyl Acetate	8.41	43	586	0.112	ug/l #	52
44) Trichloroethene	9.10	130	98	0.023	ug/l	3
45) 1,2-Dichloropropane	9.35	63	89	0.023	ug/l #	43

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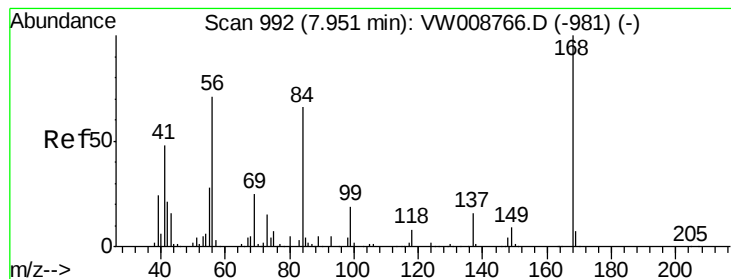
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-022019RE

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) Dibromomethane	9.62	93	142	0.067	ug/l #	1
47) Bromodichloromethane	9.65	83	77	0.015	ug/l #	24
48) Methyl methacrylate	9.43	41	130	0.052	ug/l #	1
52) Toluene	10.39	92	20736	1.986	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	96	0.018	ug/l #	1
54) cis-1,3-Dichloropropene	10.05	75	102	0.017	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	1739	0.606	ug/l #	18
56) Ethyl methacrylate	10.66	69	694	0.186	ug/l #	1
57) 1,3-Dichloropropane	11.01	76	40	0.008	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.91	63	27	0.014	ug/l #	45
59) 2-Hexanone	11.07	43	366	0.194	ug/l	87
60) Dibromochloromethane	11.07	129	31	0.009	ug/l	85
61) 1,2-Dibromoethane	11.23	107	27	0.010	ug/l #	1
64) Tetrachloroethene	10.87	164	138	0.038	ug/l #	66
65) Chlorobenzene	11.65	112	372	0.035	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	120	0.033	ug/l #	39
67) Ethyl Benzene	11.73	91	8691	0.455	ug/l	97
68) m/p-Xylenes	11.83	106	11816	1.549	ug/l	95
69) o-Xylene	12.16	106	7401	1.033	ug/l	87
70) Styrene	12.18	104	1705	0.148	ug/l #	22
71) Bromoform	12.34	173	105	0.054	ug/l #	29
73) Isopropylbenzene	12.47	105	4473	0.279	ug/l	98
74) N-amyl acetate	12.25	43	1587	0.394	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.67	83	132	0.050	ug/l #	75
77) Bromobenzene	12.74	156	177	0.047	ug/l #	1
78) n-propylbenzene	12.81	91	15671	0.800	ug/l	95
79) 2-Chlorotoluene	12.87	91	6065	0.546	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.94	105	18166	1.306	ug/l	98
82) 4-Chlorotoluene	13.00	91	813	0.069	ug/l #	65
83) tert-Butylbenzene	13.21	119	579	0.048	ug/l #	25
84) 1,2,4-Trimethylbenzene	13.26	105	68987	4.791	ug/l	99
85) sec-Butylbenzene	13.38	105	8946	0.517	ug/l	84
86) p-Isopropyltoluene	13.50	119	5925	0.374	ug/l	87
87) 1,3-Dichlorobenzene	13.51	146	1283	0.163	ug/l #	74
88) 1,4-Dichlorobenzene	13.58	146	1901	0.246	ug/l #	72
91) 1,2-Dichlorobenzene	13.88	146	1004	0.144	ug/l #	54
92) 1,2-Dibromo-3-Chloropropan	14.49	75	439	0.928	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.14	180	1535	0.305	ug/l #	1
94) Hexachlorobutadiene	15.24	225	261	0.088	ug/l #	33
95) Naphthalene	15.37	128	144314	16.824	ug/l	97
96) 1,2,3-Trichlorobenzene	15.57	180	1597	0.367	ug/l #	85

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008774.D

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MSVOA_W

ClientSampleId :

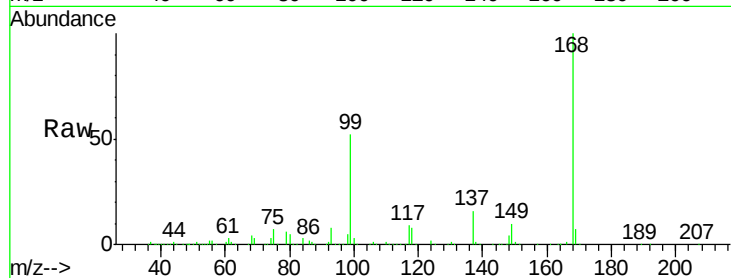
HD-01-022019RE

Tot Ion:168 Resp: 382428

Ion Ratio Lower Upper

168 100

99 52.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

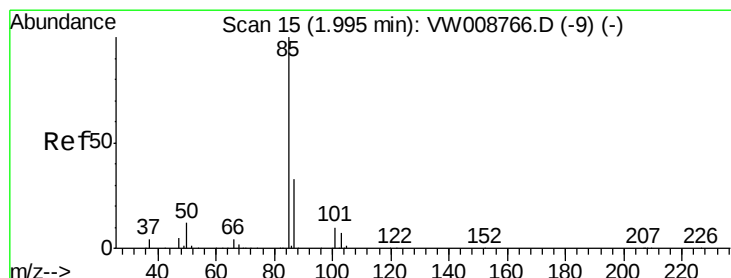
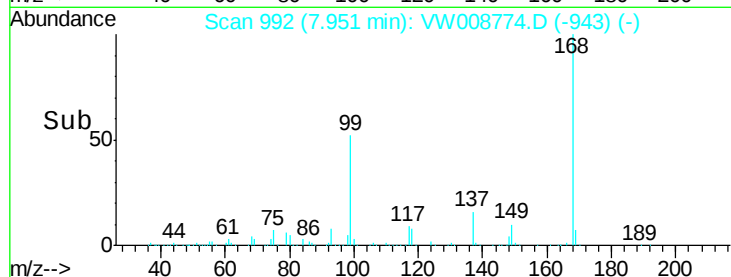
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.080 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW008774.D

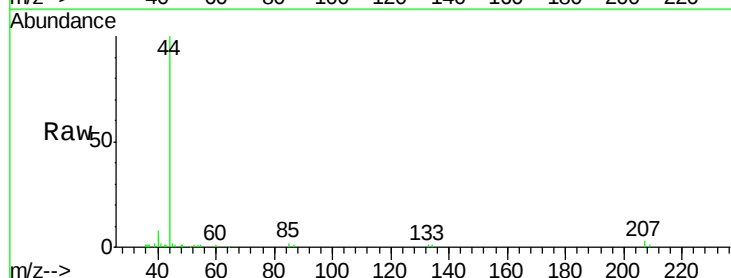
Acq: 21 Feb 2019 17:17

Tgt Ion: 85 Resp: 306

Ion Ratio Lower Upper

85 100

87 28.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

300

250

200

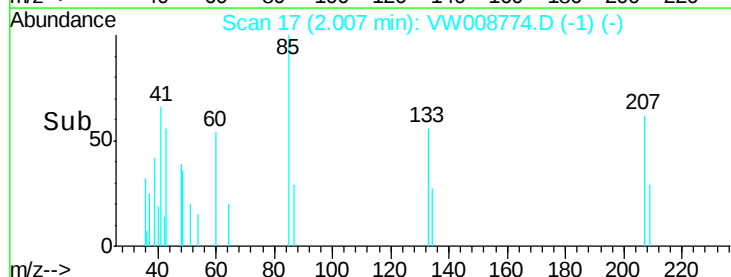
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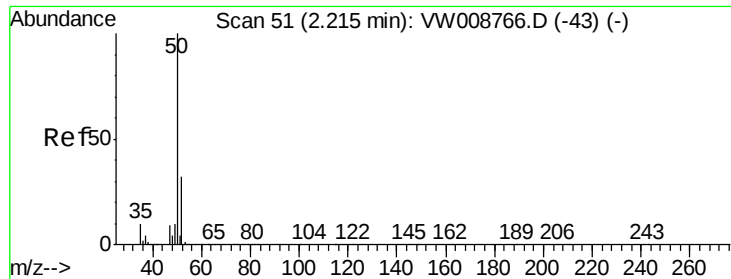
100

50

0

Time-->





#3

Chloromethane

Concen: 0.095 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

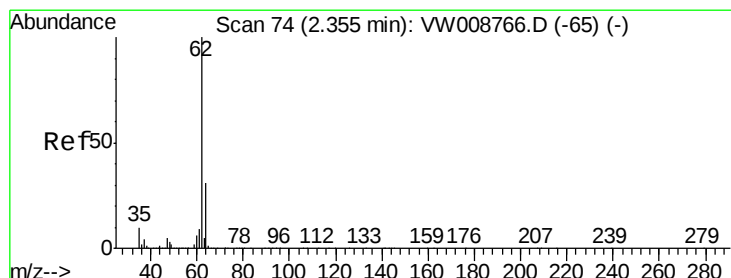
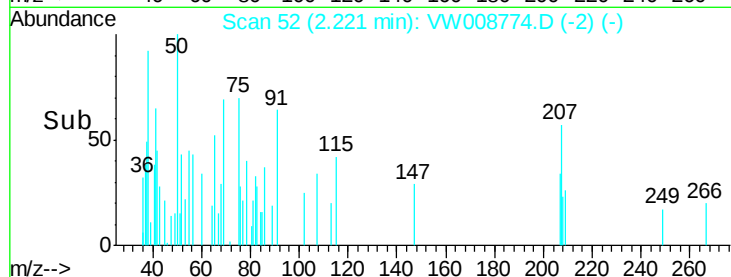
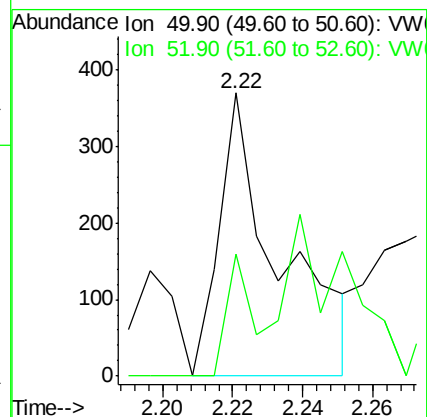
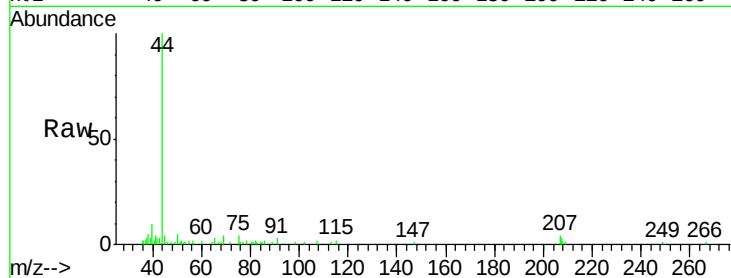
HD-01-022019RE

Tot Ion: 50 Resp: 441

Ion Ratio Lower Upper

50 100

52 43.4 25.9 38.9#



#4

Vinyl Chloride

Concen: 0.005 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW008774.D

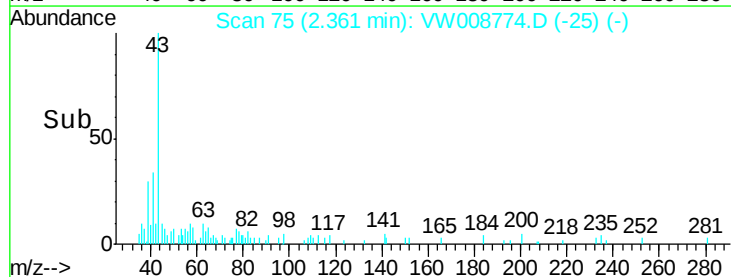
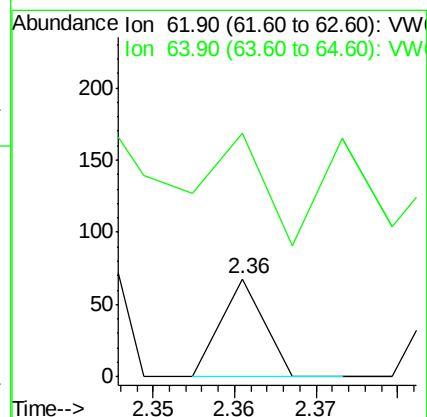
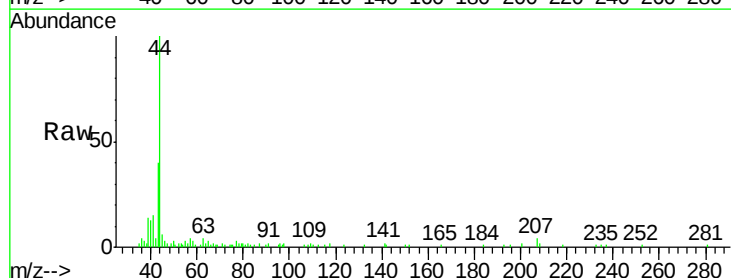
Acq: 21 Feb 2019 17:17

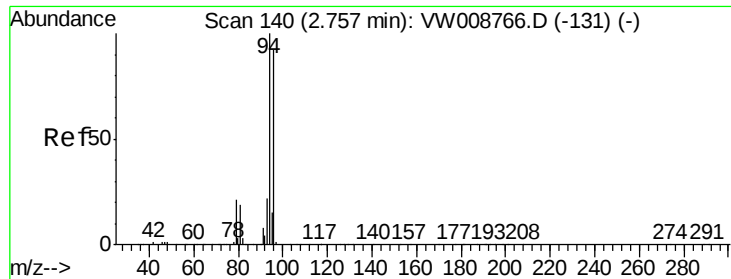
Tgt Ion: 62 Resp: 25

Ion Ratio Lower Upper

62 100

64 61.8 24.9 37.3#





#5

Bromomethane

Concen: 0.131 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

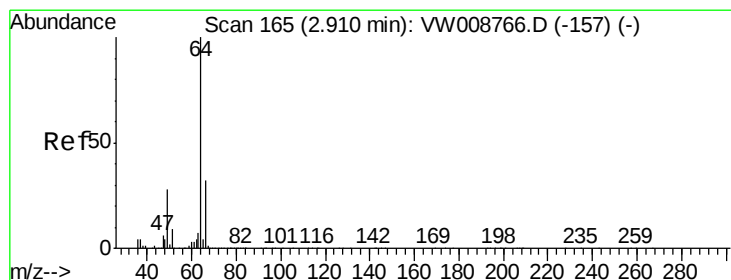
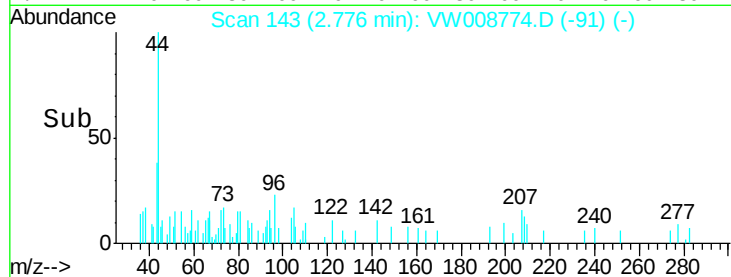
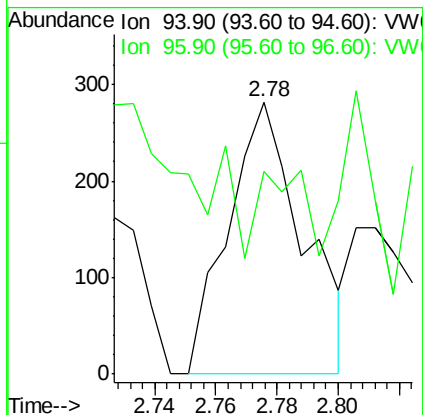
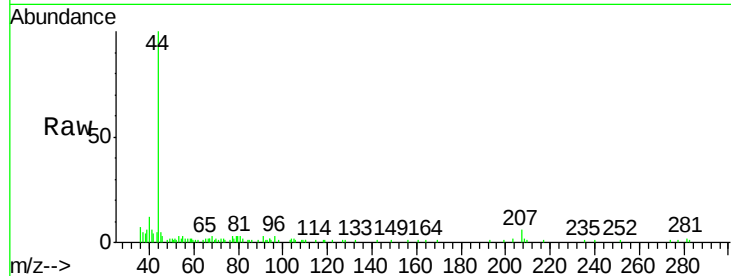
HD-01-022019RE

Tot Ion: 94 Resp: 479

Ion Ratio Lower Upper

94 100

96 11.0 73.4 110.2#



#6

Chloroethane

Concen: 0.047 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW008774.D

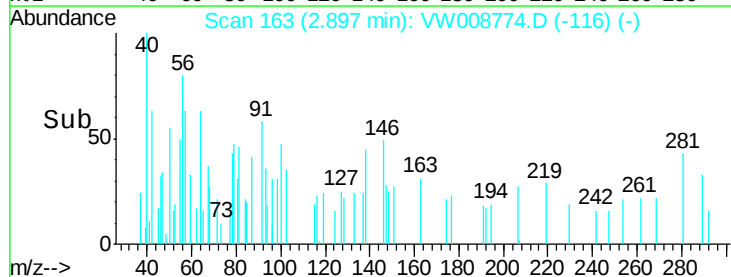
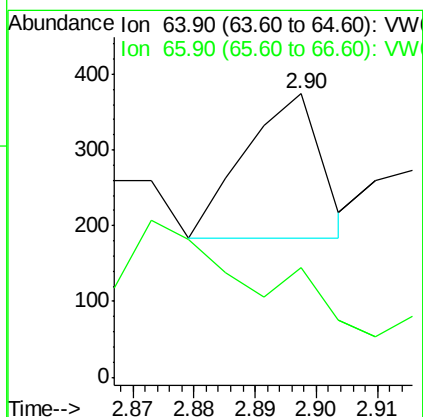
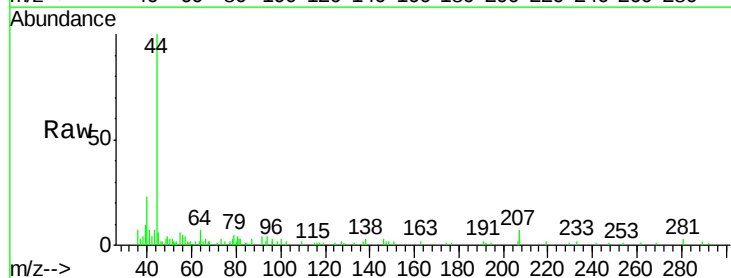
Acq: 21 Feb 2019 17:17

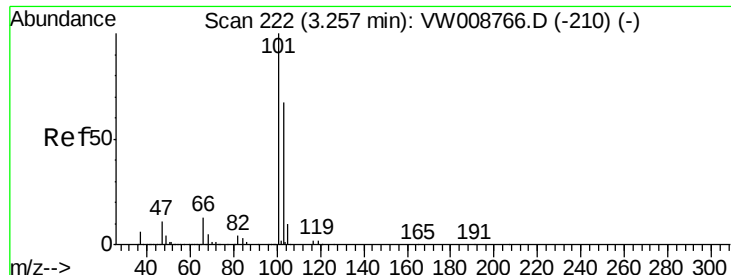
Tgt Ion: 64 Resp: 166

Ion Ratio Lower Upper

64 100

66 36.6 25.5 38.3



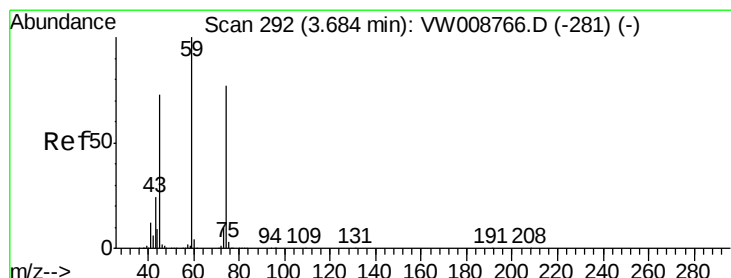
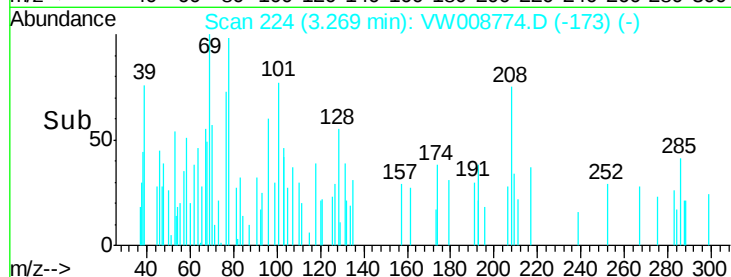
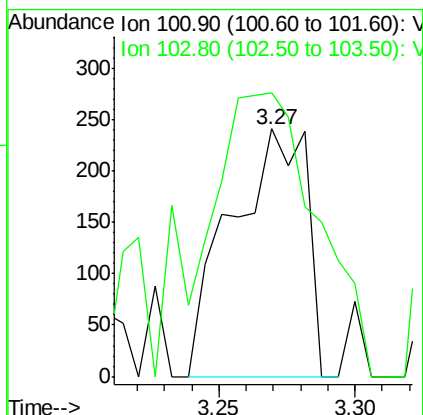
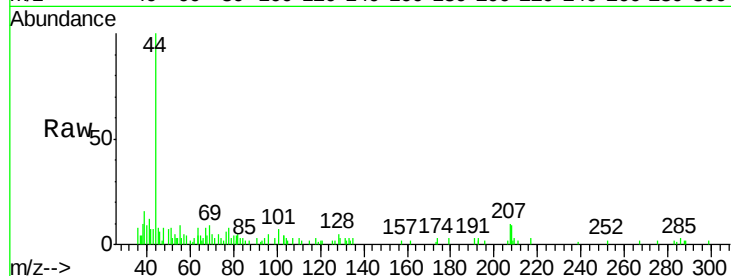


#7

Trichlorofluoromethane
Concen: 0.074 ug/l
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

Instrument :
MSVOA_W
ClientSampled :
HD-01-022019RE

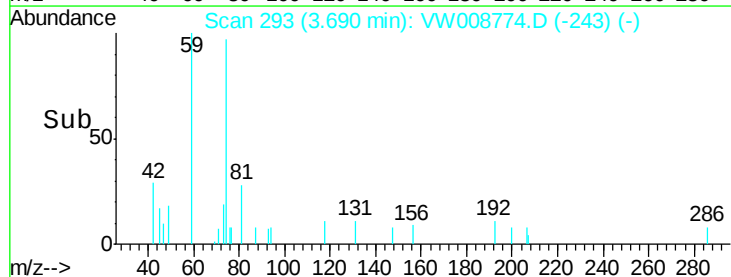
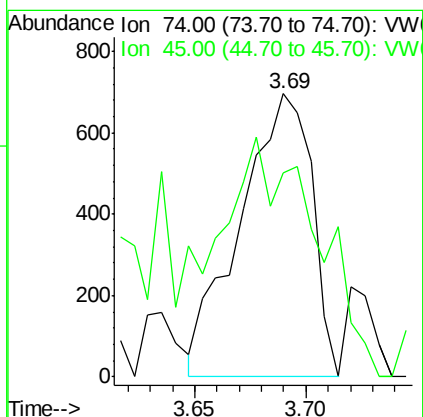
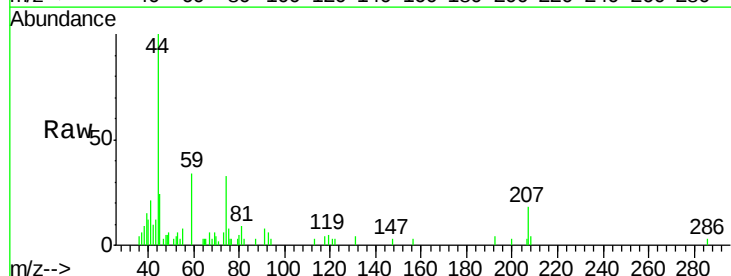
Tot Ion:101 Resp: 463
Ion Ratio Lower Upper
101 100
103 85.9 53.9 80.9#

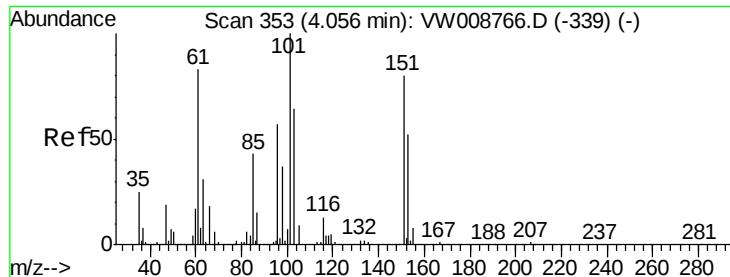


#8

Diethyl Ether
Concen: 0.787 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.01 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

Tgt Ion: 74 Resp: 1555
Ion Ratio Lower Upper
74 100
45 104.9 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.013 ug/l

RT: 3.94 min Scan# 334

Delta R.T. -0.12 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

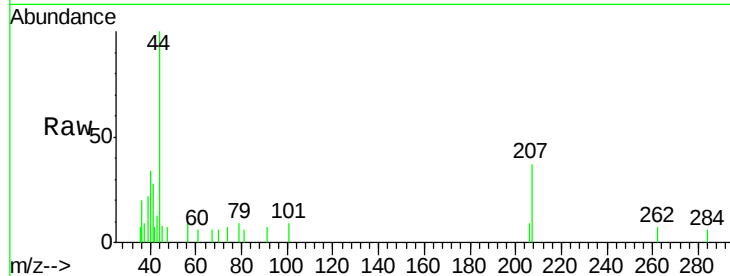
Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

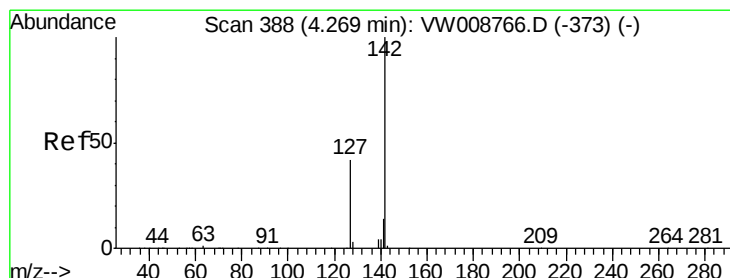
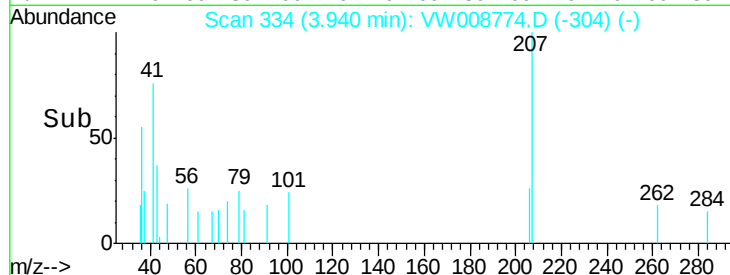
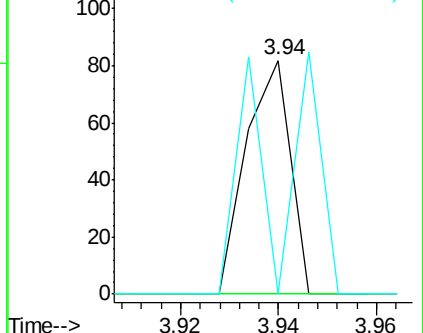
Tot Ion:	101	Resp:	51
Ion	Ratio	Lower	Upper
101	100		
85	0.0	36.0	54.0#
151	119.6	65.5	98.3#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.082 ug/l

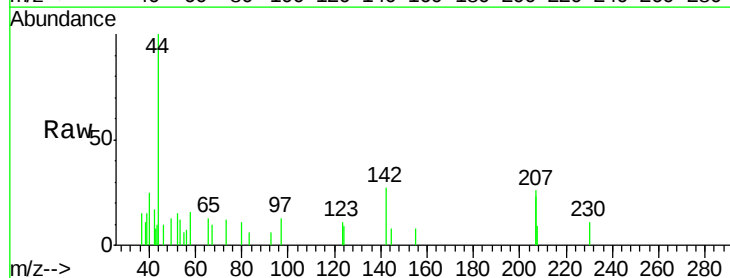
RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

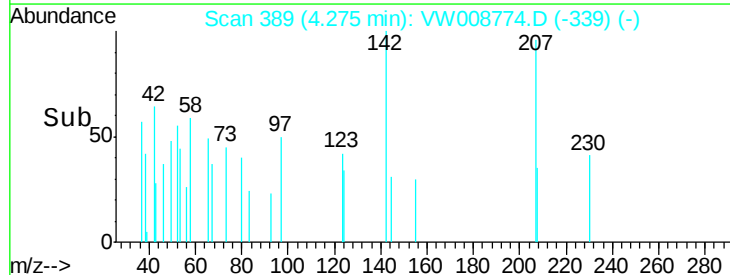
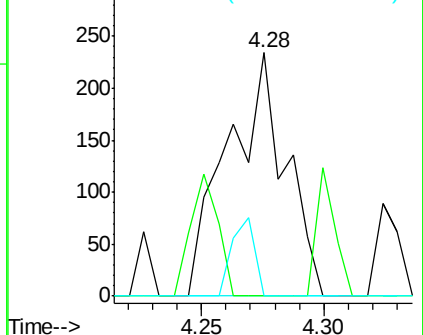
Tgt Ion:	142	Resp:	387
Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.3	52.9#
141	12.4	11.7	17.5

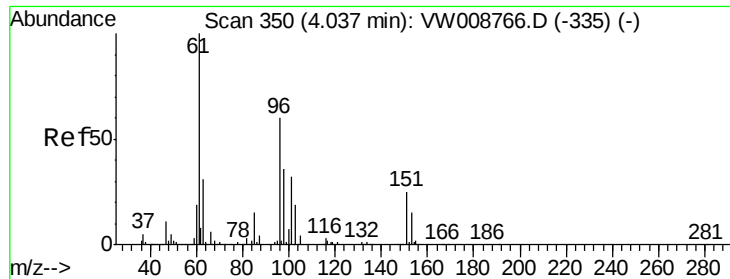


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

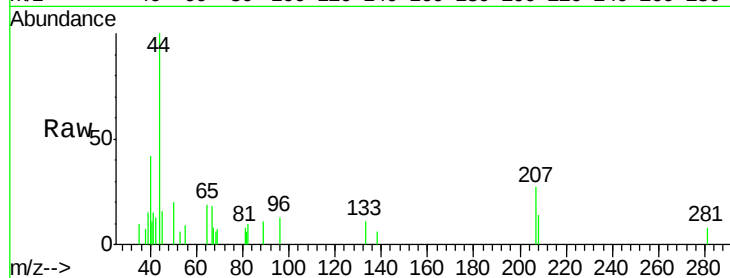




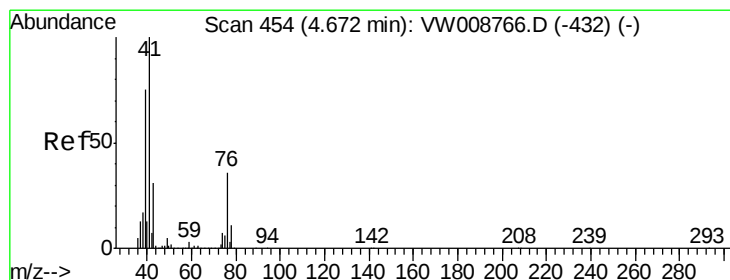
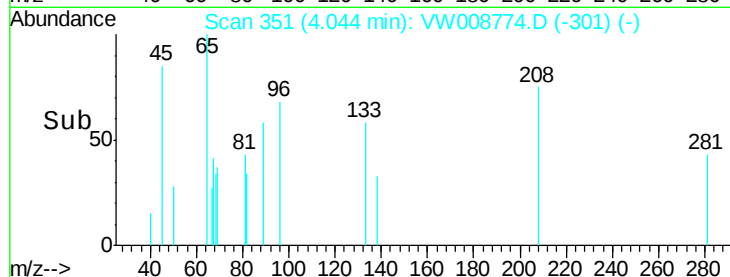
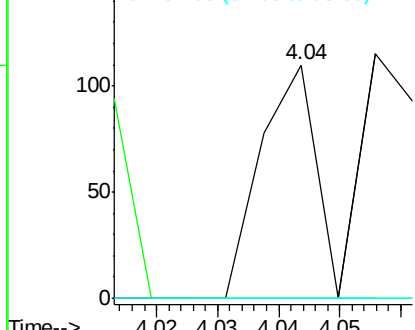
#12
 1,1-Dichloroethene
 Concen: 0.021 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-022019RE

Tot Ion: 96 Resp: 69
 Ion Ratio Lower Upper
 96 100
 61 0.0 132.5 198.7#
 98 0.0 48.2 72.4#

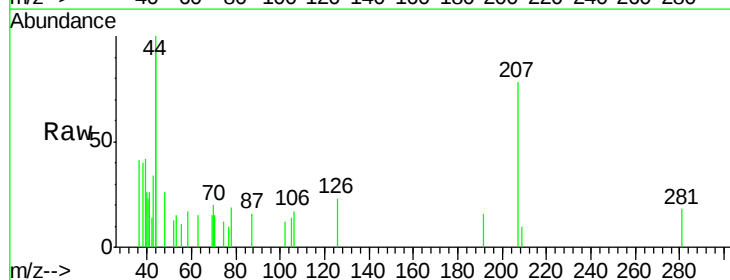


Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW

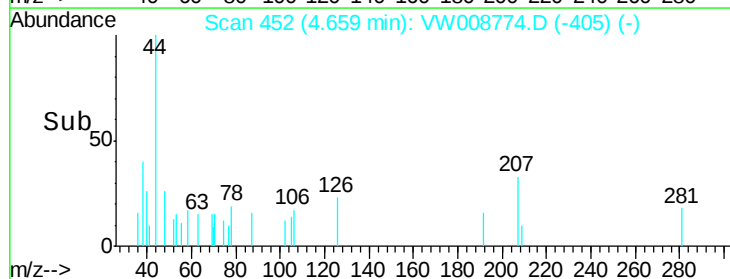
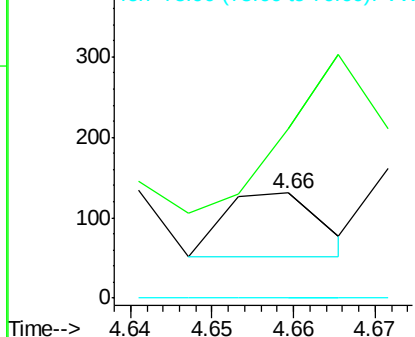


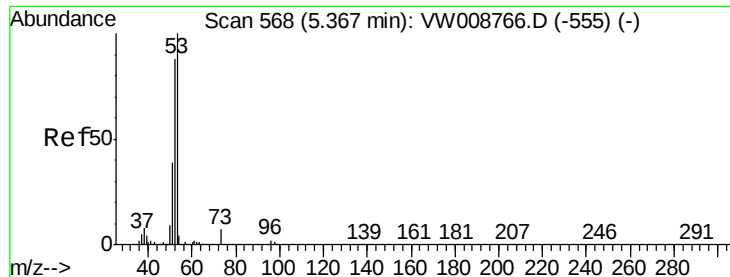
#14
 Allyl chloride
 Concen: 0.011 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

Tgt Ion: 41 Resp: 65
 Ion Ratio Lower Upper
 41 100
 39 310.8 60.6 91.0#
 76 0.0 28.6 42.8#



Abundance Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW
 Ion 75.90 (75.60 to 76.60): VW

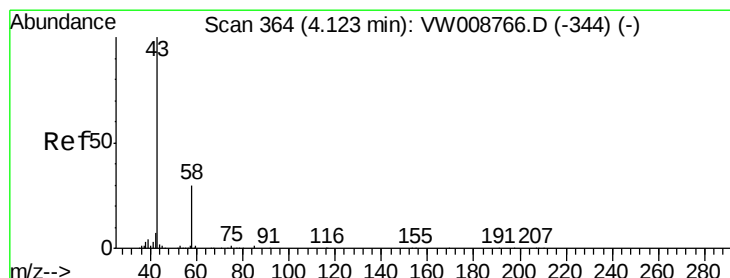
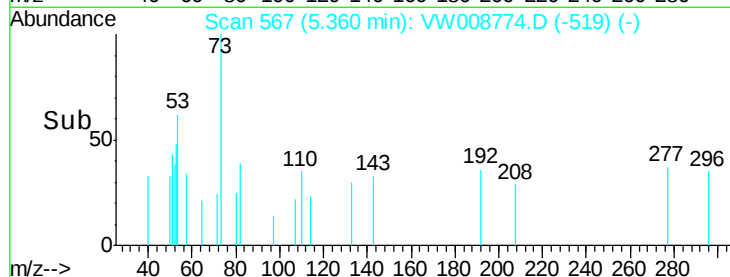
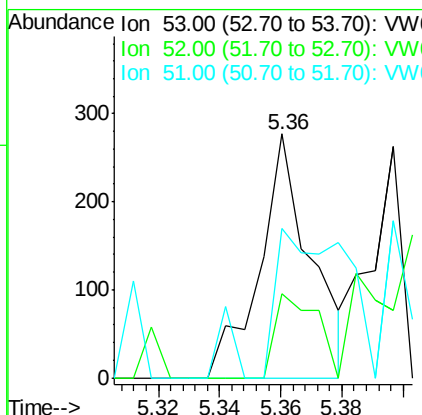
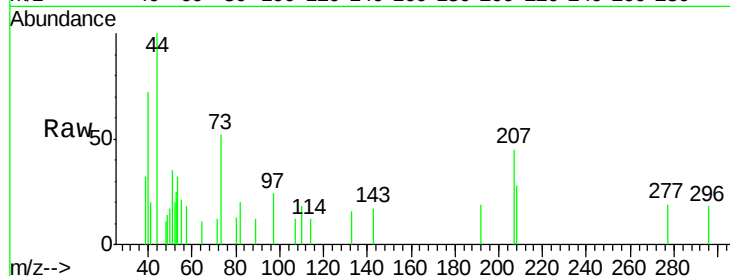




#15
 Acrylonitrile
 Concen: 0.377 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

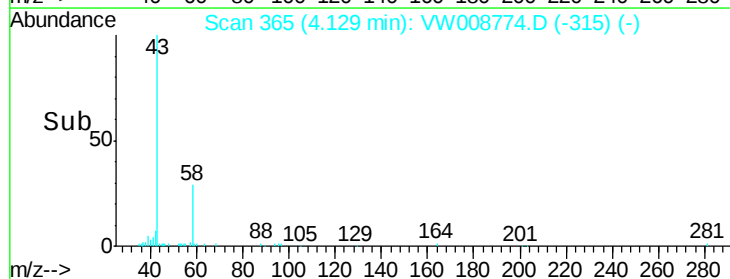
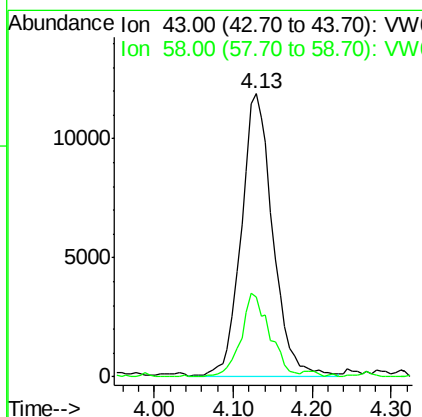
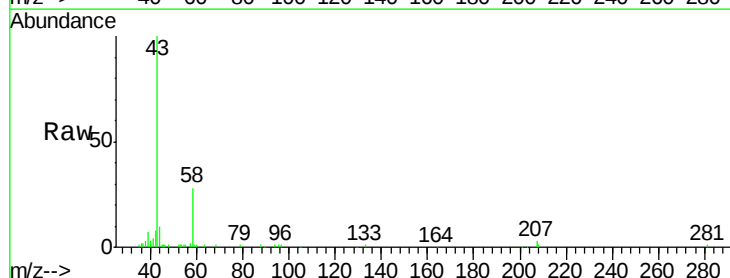
Instrument :
 MSVOA_W
 ClientSampled :
 HD-01-022019RE

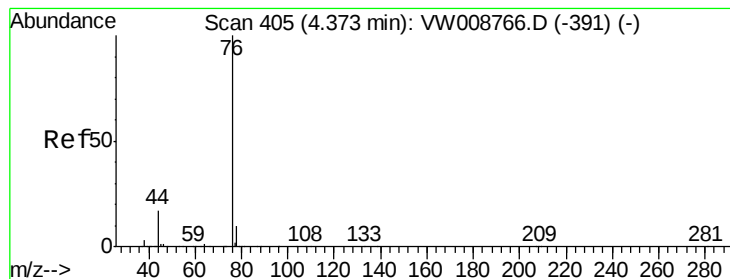
Tot Ion: 53 Resp: 320
 Ion Ratio Lower Upper
 53 100
 52 28.4 67.2 100.8#
 51 83.8 31.1 46.7#



#16
 Acetone
 Concen: 39.942 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

Tgt Ion: 43 Resp: 33208
 Ion Ratio Lower Upper
 43 100
 58 28.1 23.8 35.6





#17

Carbon Disulfide

Concen: 0.063 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

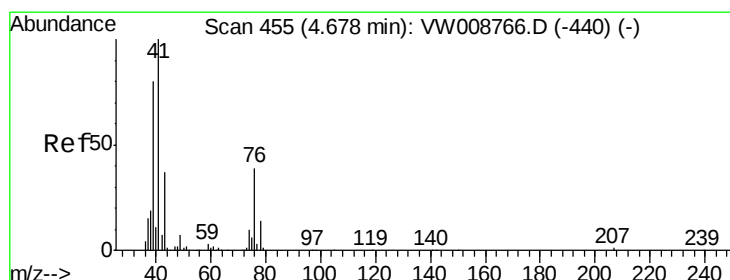
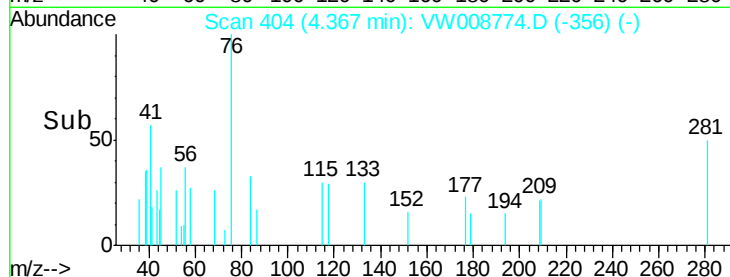
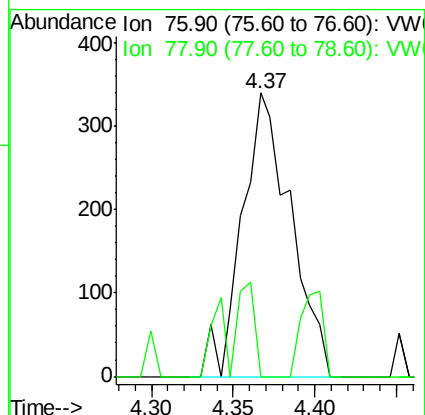
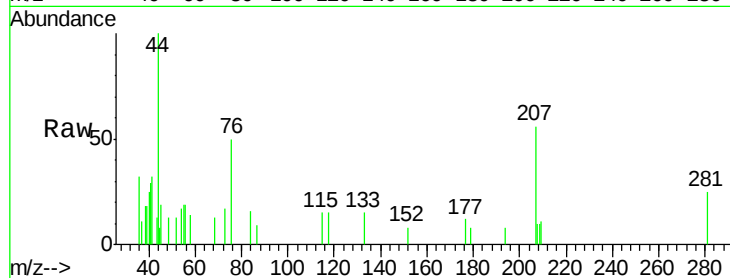
HD-01-022019RE

Tot Ion: 76 Resp: 705

Ion Ratio Lower Upper

76 100

78 0.0 7.8 11.8#



#18

Methyl Acetate

Concen: 0.463 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW008774.D

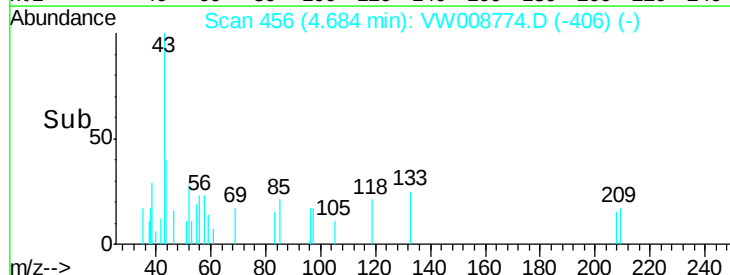
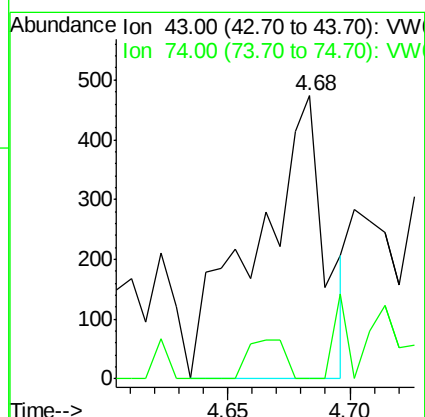
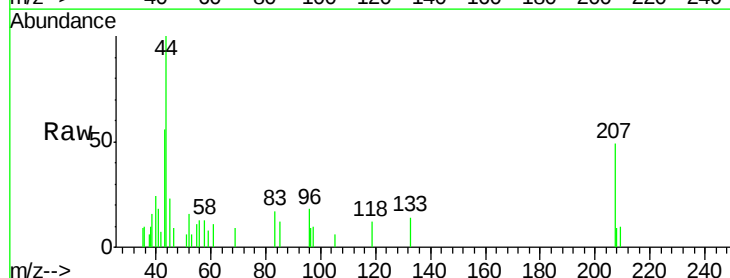
Acq: 21 Feb 2019 17:17

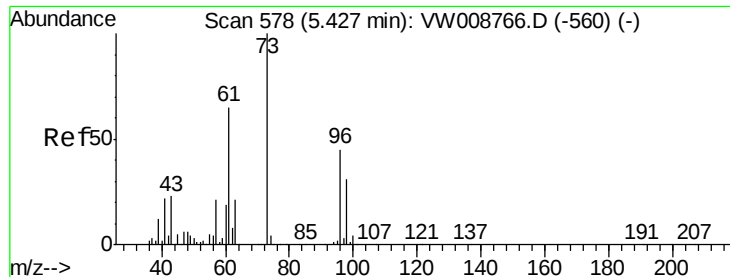
Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

74 7.6 19.4 29.2#

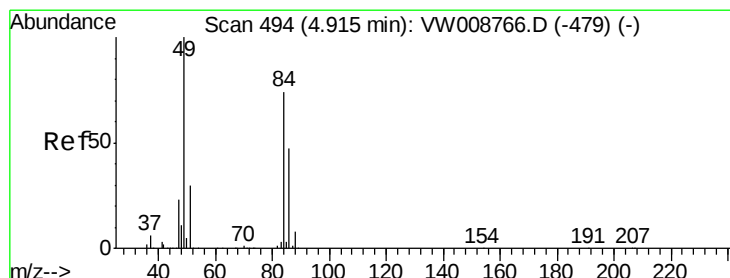
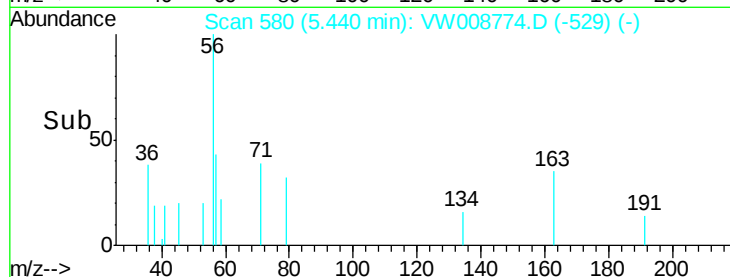
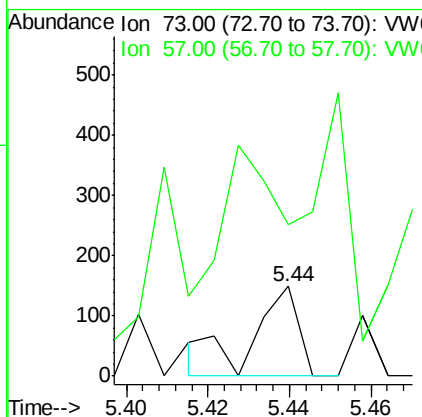
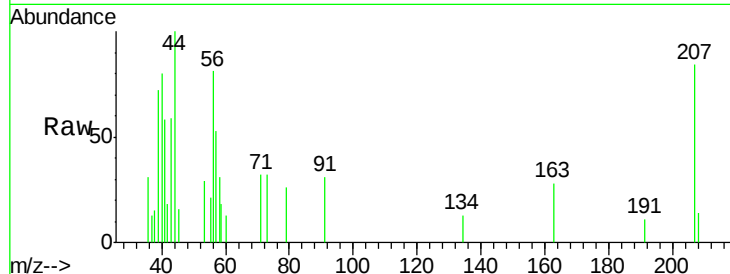




#19
Methyl tert-butyl Ether
Concen: 0.013 ug/l
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

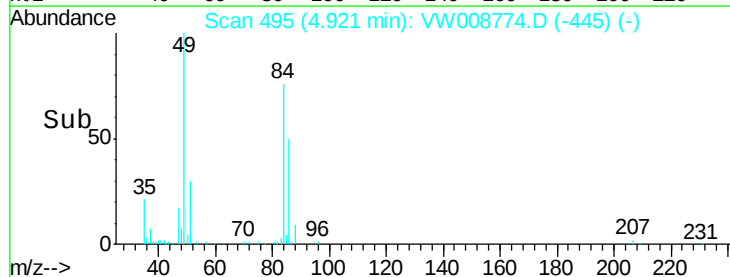
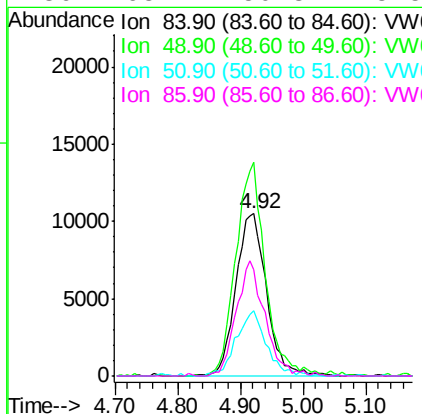
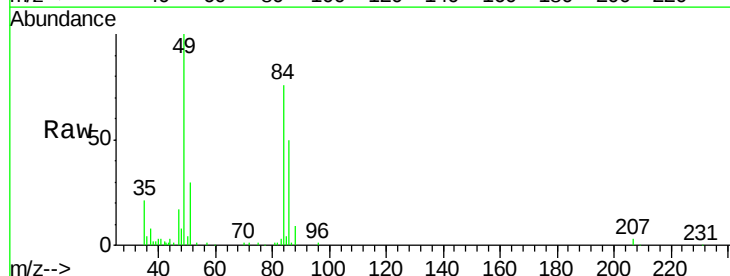
Instrument :
MSVOA_W
ClientSampleId :
HD-01-022019RE

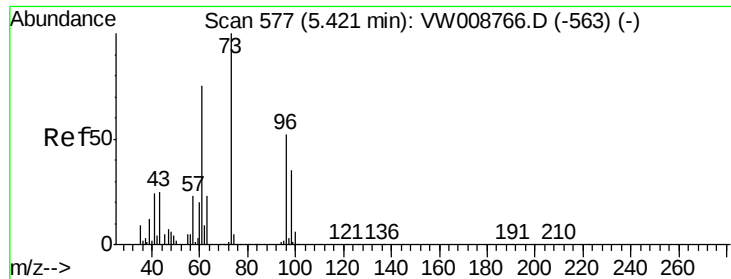
Tot Ion: 73 Resp: 115
Ion Ratio Lower Upper
73 100
57 80.5 16.8 25.2#



#20
Methylene Chloride
Concen: 3.963 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

Tgt Ion: 84 Resp: 35499
Ion Ratio Lower Upper
84 100
49 131.4 108.2 162.2
51 39.9 32.7 49.1
86 65.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 0.040 ug/l

RT: 5.40 min Scan# 574

Delta R.T. -0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

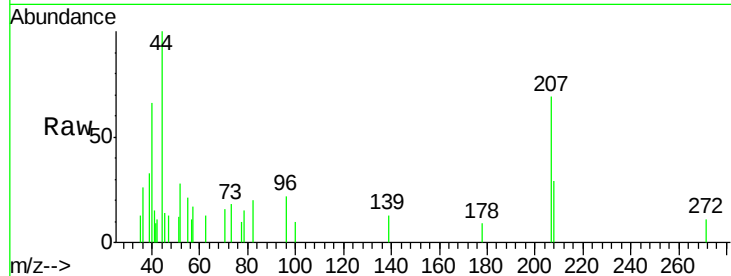
Tot Ion: 96 Resp: 153

Ion Ratio Lower Upper

96 100

61 0.0 114.6 171.8#

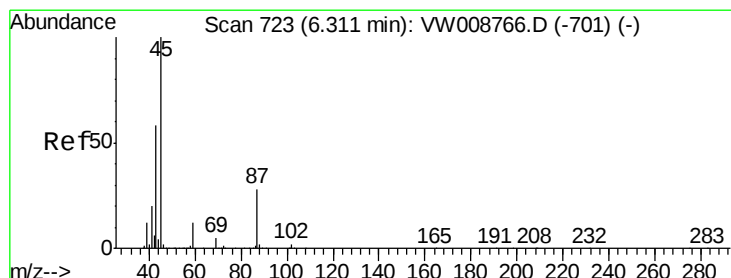
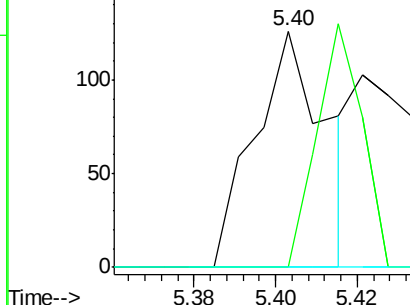
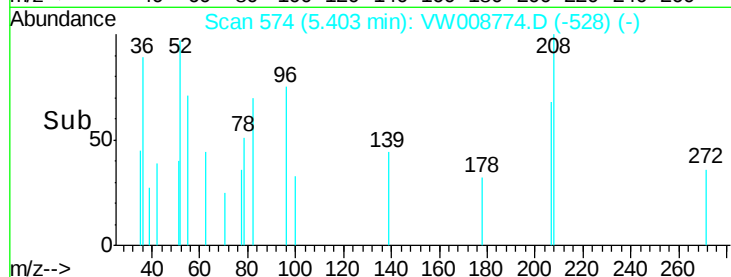
98 0.0 54.0 81.0#



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 0.024 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Tgt Ion: 45 Resp: 280

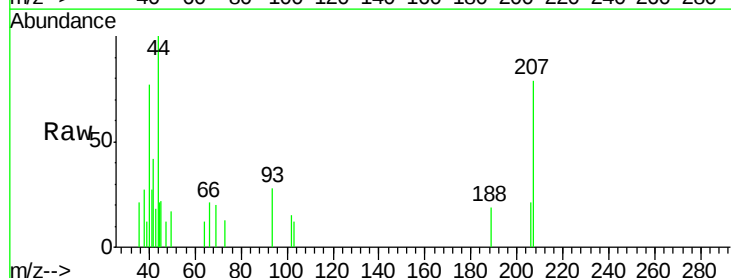
Ion Ratio Lower Upper

45 100

43 0.0 46.1 69.1#

87 0.0 22.2 33.4#

59 0.0 10.0 15.0#

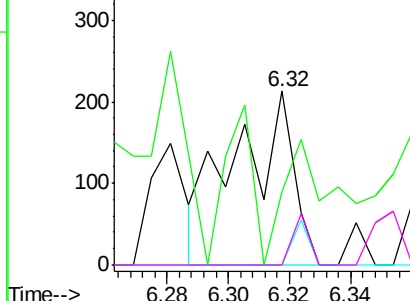
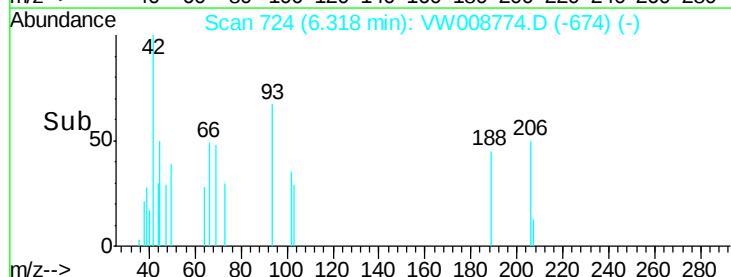


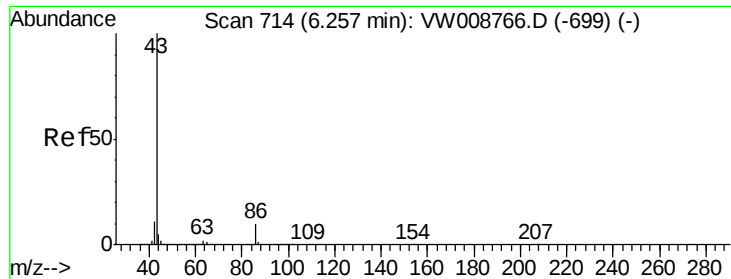
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 0.060 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

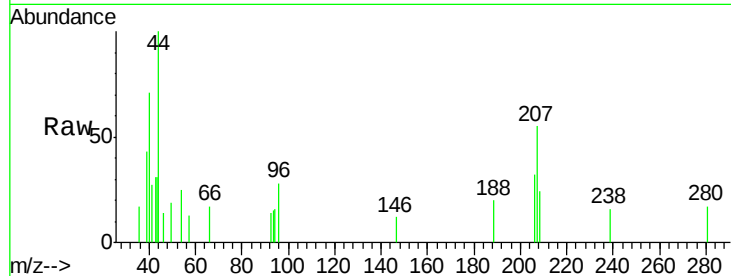
HD-01-022019RE

Tot Ion: 43 Resp: 429

Ion Ratio Lower Upper

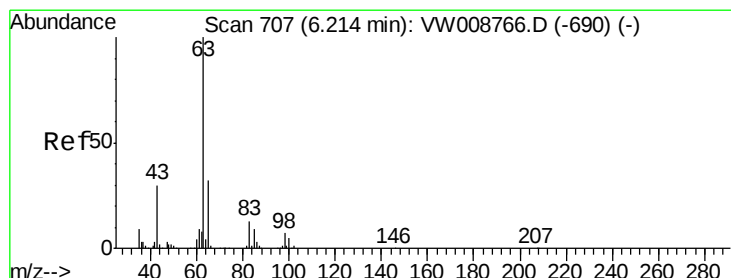
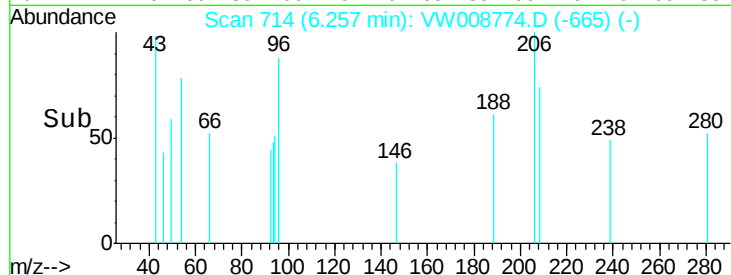
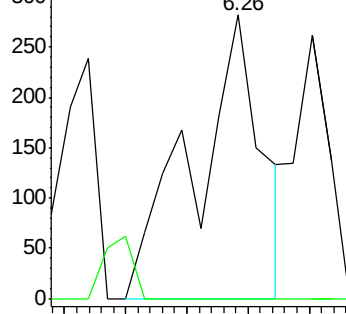
43 100

86 0.0 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 0.016 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

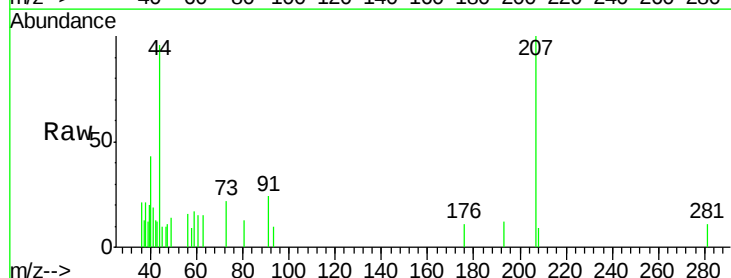
Tgt Ion: 63 Resp: 105

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.6#

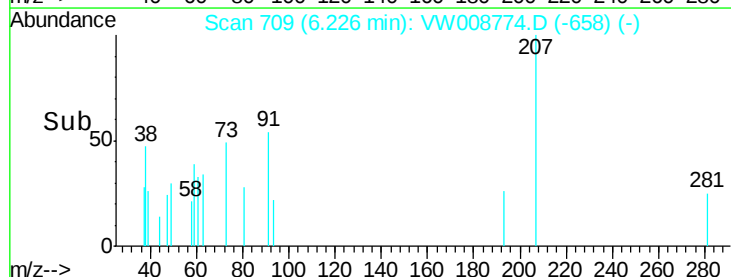
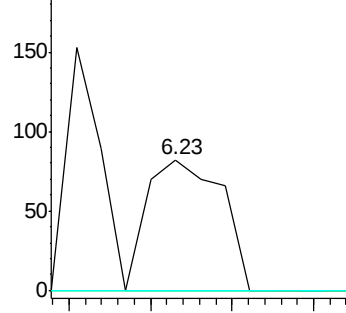
100 0.0 2.4 7.2#

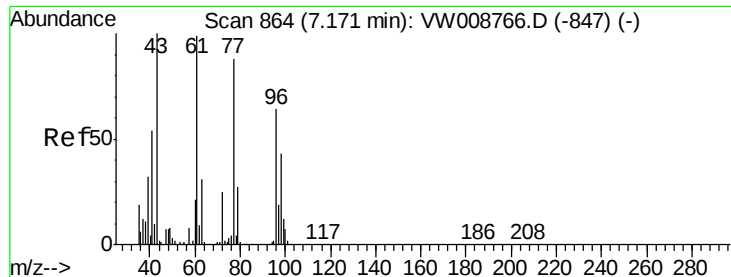


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#26

2,2-Dichloropropane

Concen: 0.941 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

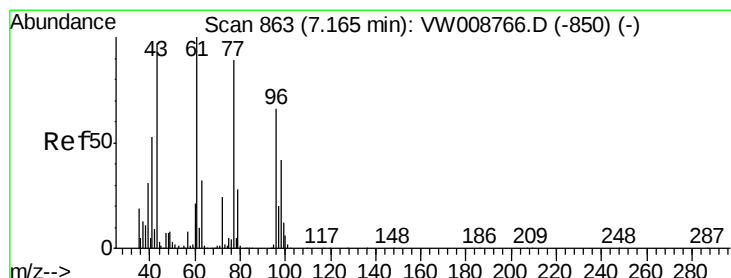
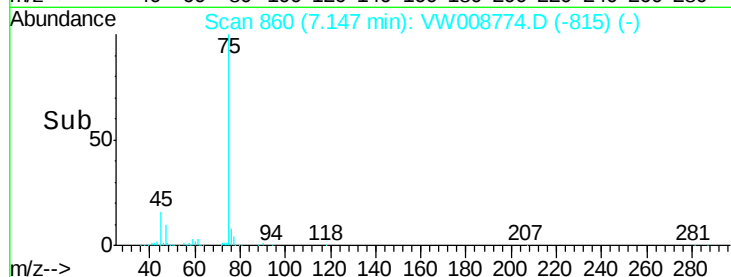
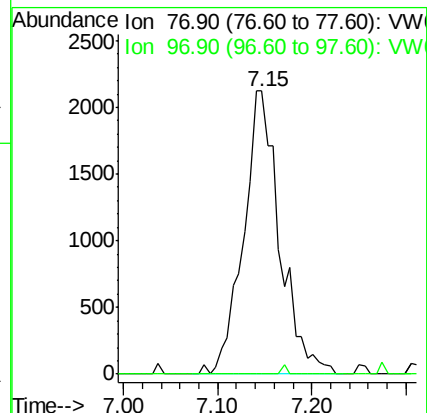
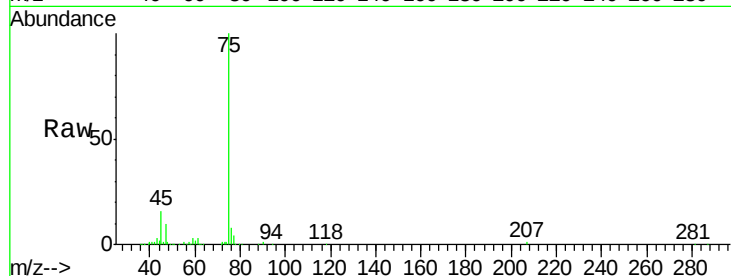
HD-01-022019RE

Tot Ion: 77 Resp: 5710

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



#27

cis-1,2-Dichloroethene

Concen: 0.021 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

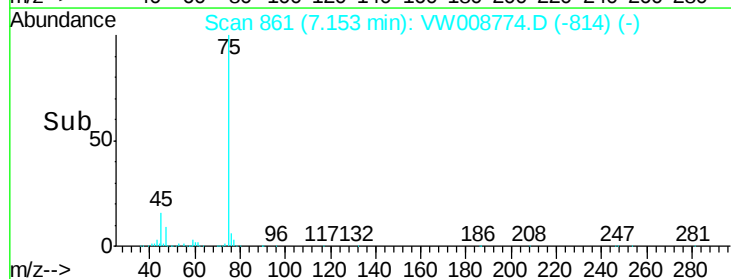
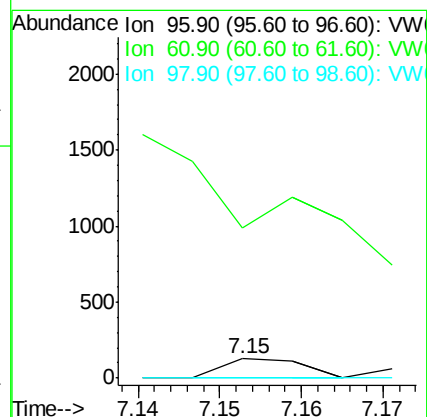
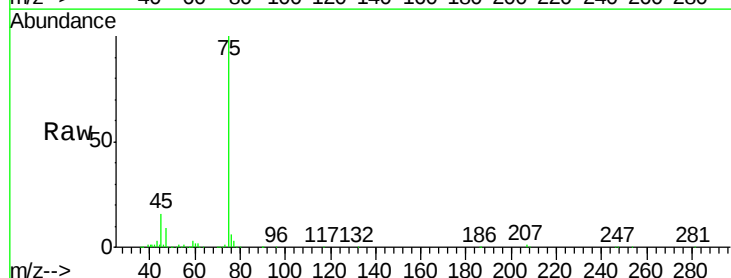
Tgt Ion: 96 Resp: 87

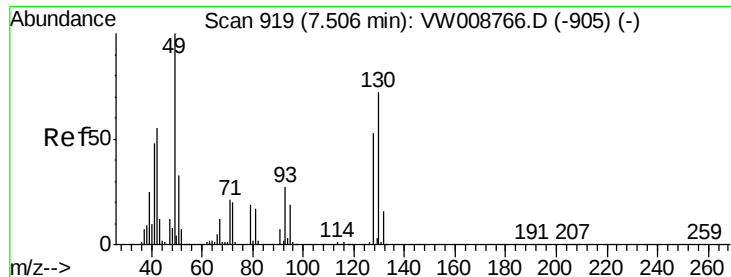
Ion Ratio Lower Upper

96 100

61 0.0 0.0 302.6

98 0.0 0.0 130.0





#28

Bromochloromethane

Concen: 0.016 ug/l

RT: 7.49 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

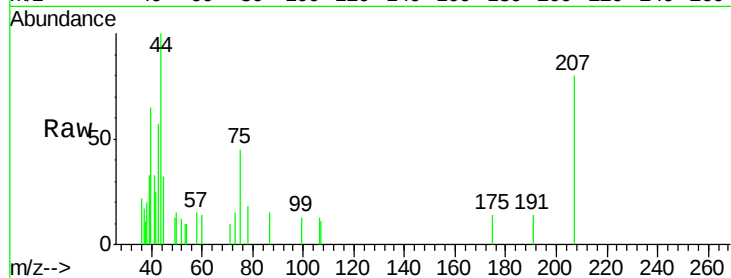
Tot Ion: 49 Resp: 44

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

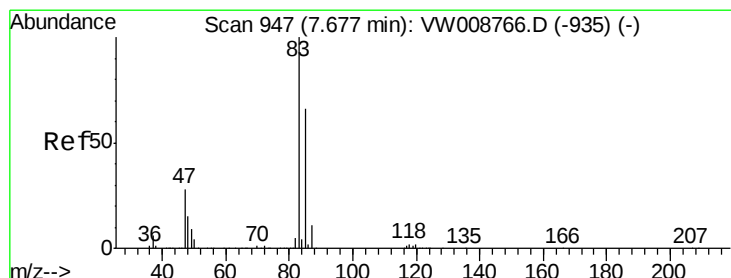
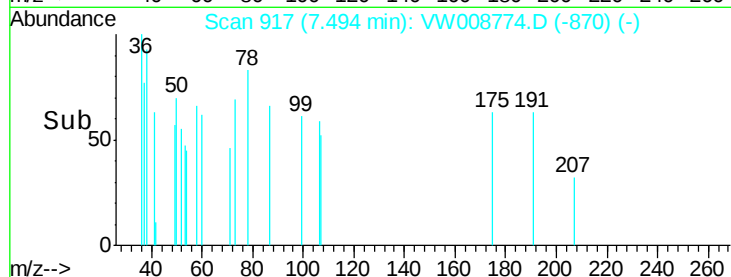
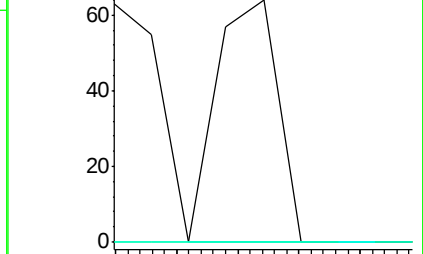
130 0.0 61.3 91.9#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 0.053 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW008774.D

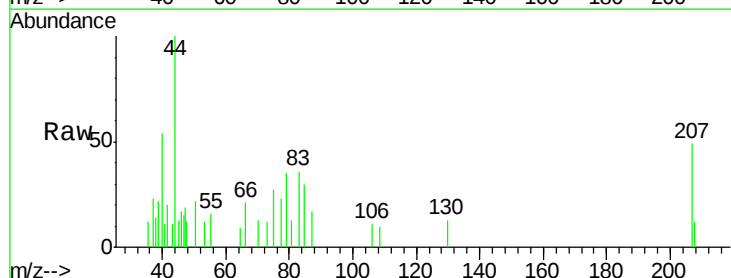
Acq: 21 Feb 2019 17:17

Tgt Ion: 83 Resp: 364

Ion Ratio Lower Upper

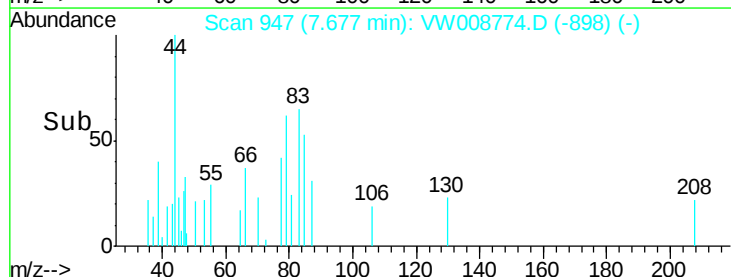
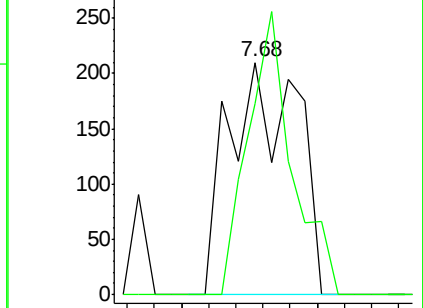
83 100

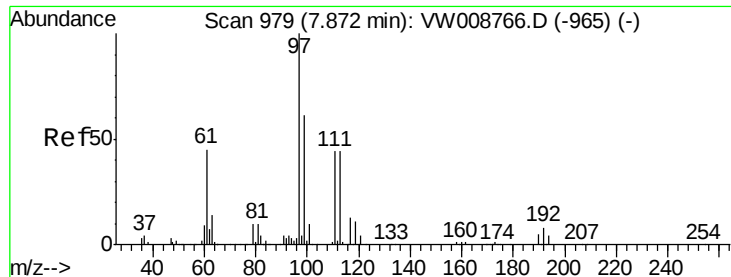
85 82.4 52.6 79.0#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#32

1,1,1-Trichloroethane

Concen: 0.007 ug/l

RT: 7.85 min Scan# 975

Delta R.T. -0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

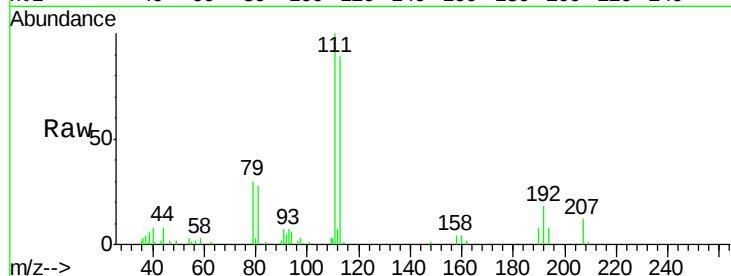
Tot Ion: 97 Resp: 42

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

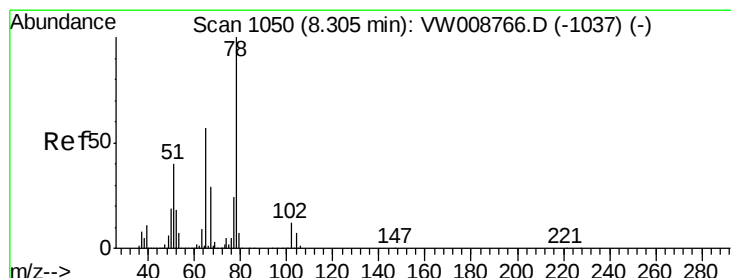
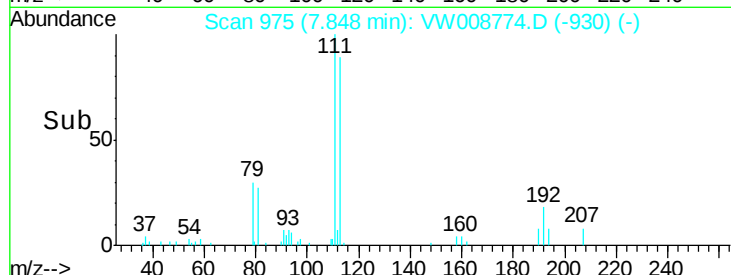
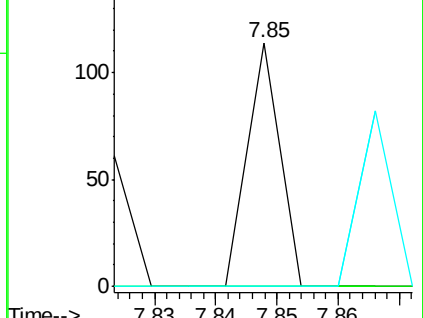
61 0.0 36.0 54.0#



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 57.162 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008774.D

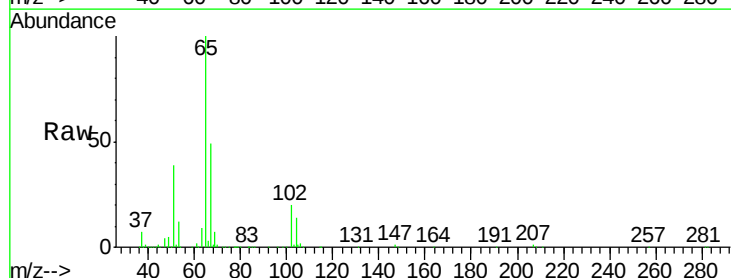
Acq: 21 Feb 2019 17:17

Tgt Ion: 65 Resp: 205031

Ion Ratio Lower Upper

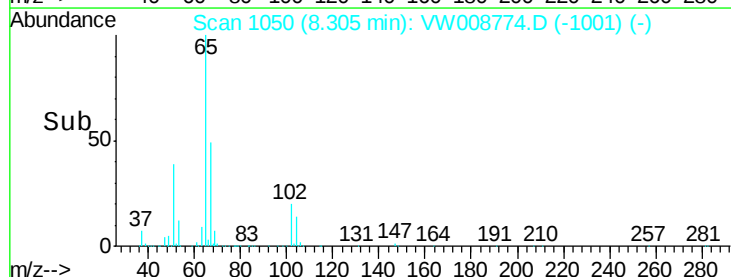
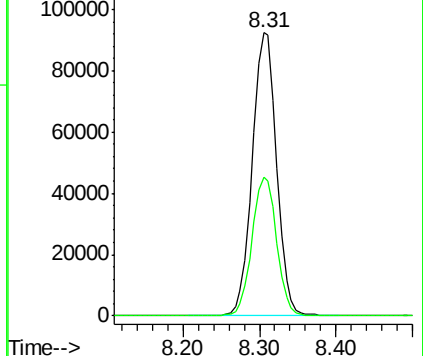
65 100

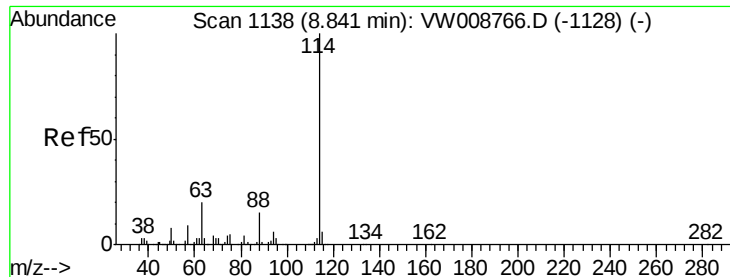
67 50.0 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

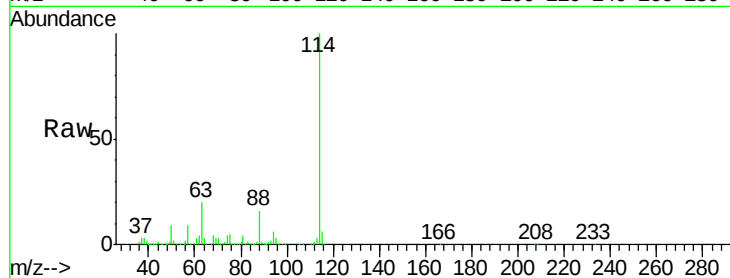




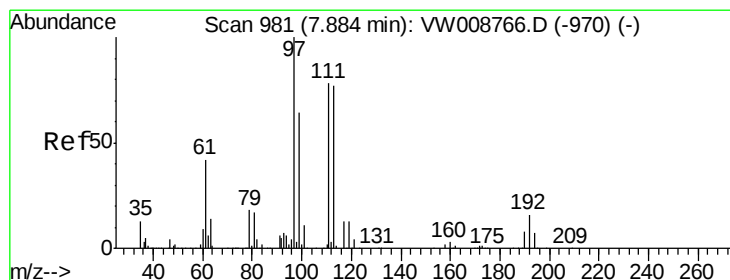
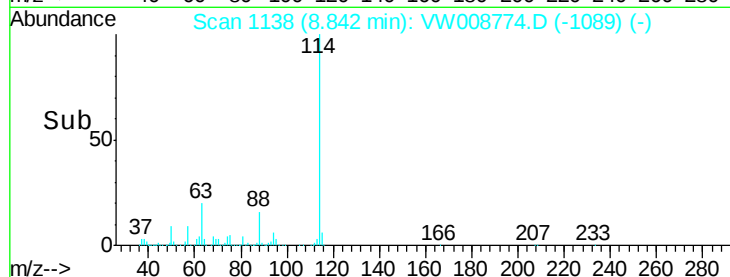
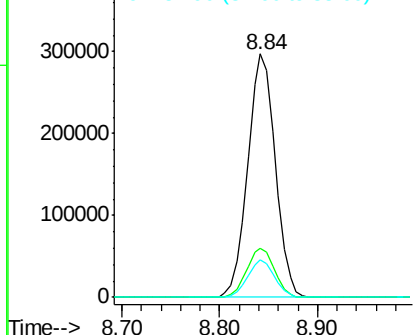
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

Instrument :
MSVOA_W
ClientSampleId :
HD-01-022019RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	15.6	0.0	30.4

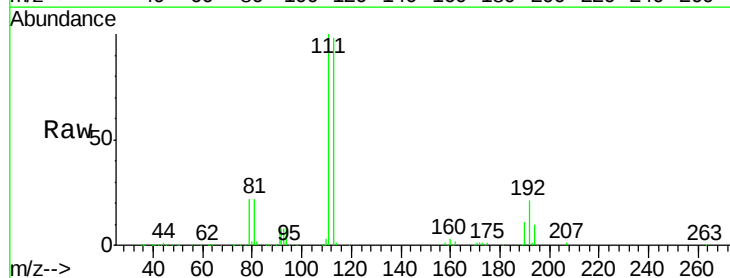


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

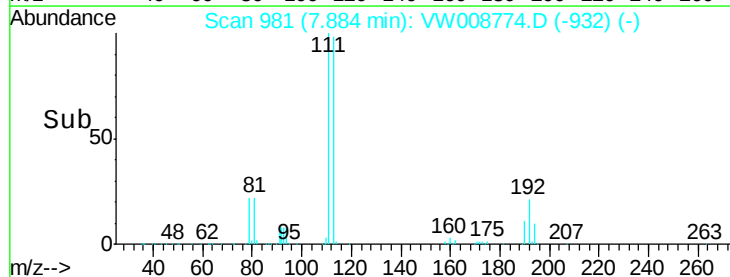
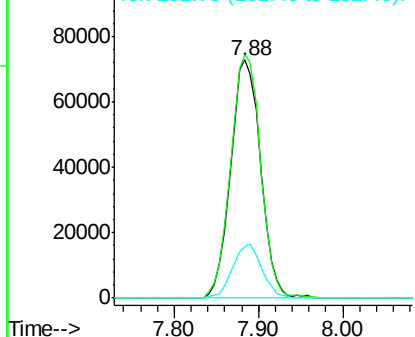


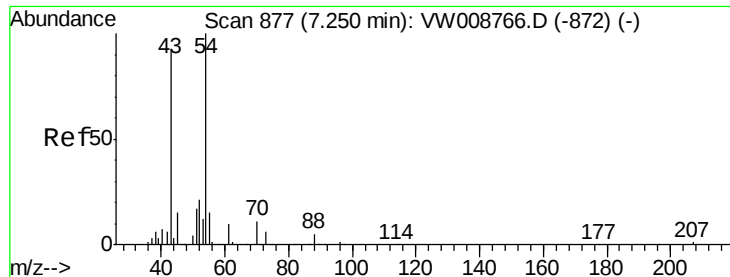
#35
Dibromofluoromethane
Concen: 50.247 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	22.0	17.1	25.7



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





#37

Ethyl Acetate

Concen: 0.098 ug/l

RT: 7.27 min Scan# 880

Delta R.T. 0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

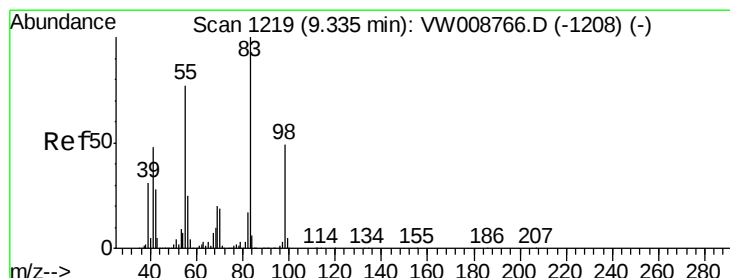
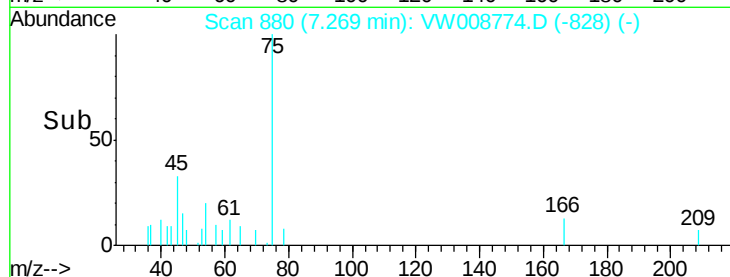
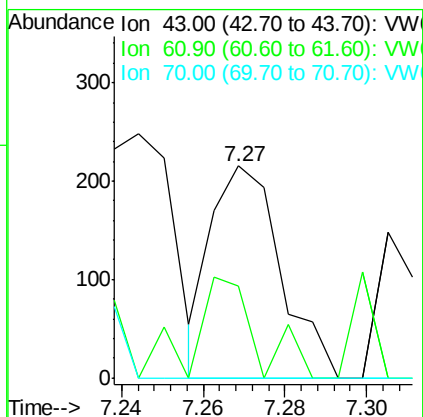
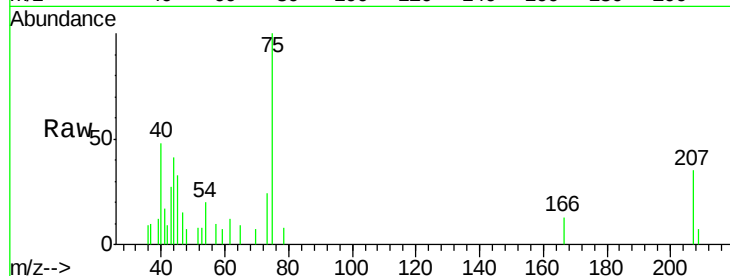
Tot Ion: 43 Resp: 256

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 8.4 12.6#



#39

Methylcyclohexane

Concen: 0.262 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

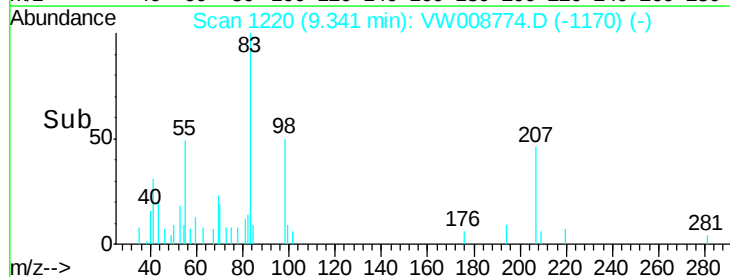
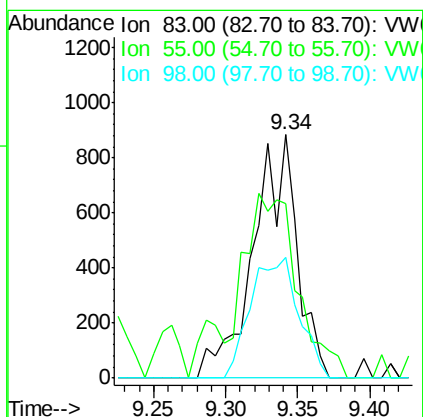
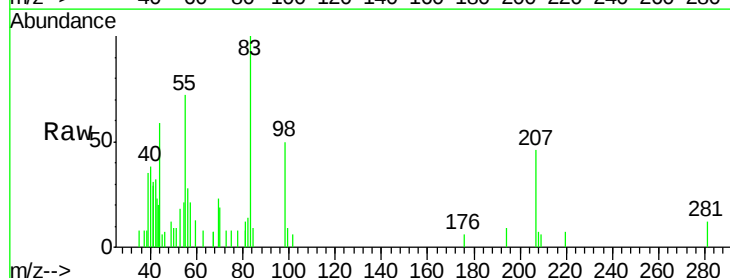
Tgt Ion: 83 Resp: 1844

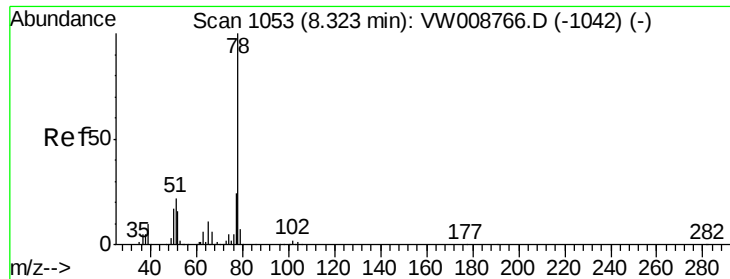
Ion Ratio Lower Upper

83 100

55 71.8 61.2 91.8

98 49.7 39.4 59.2





#40

Benzene

Concen: 0.281 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

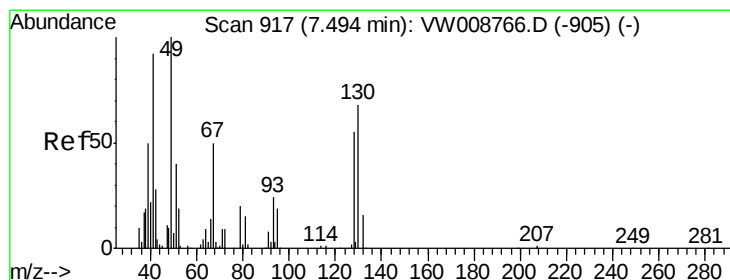
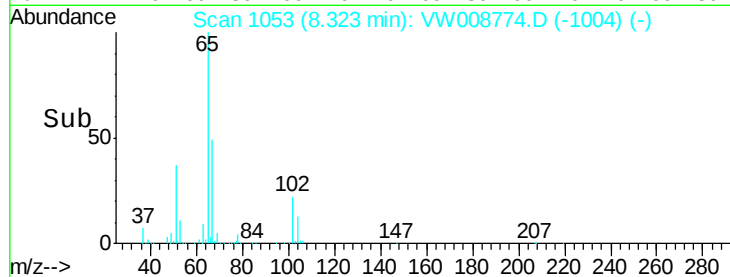
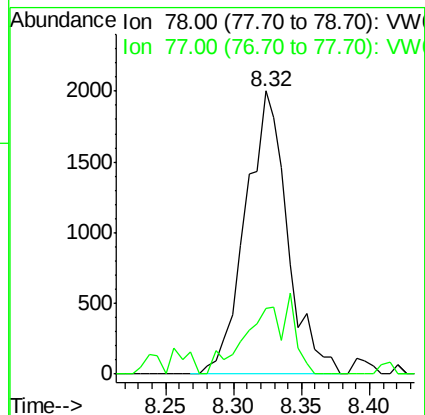
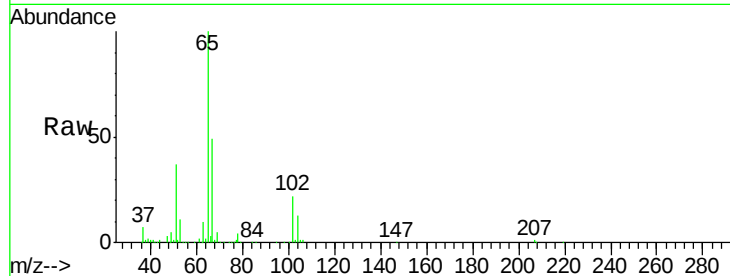
HD-01-022019RE

Tot Ion: 78 Resp: 4320

Ion Ratio Lower Upper

78 100

77 23.1 19.3 28.9



#41

Methacrylonitrile

Concen: 0.096 ug/l

RT: 7.47 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Tgt Ion: 41 Resp: 148

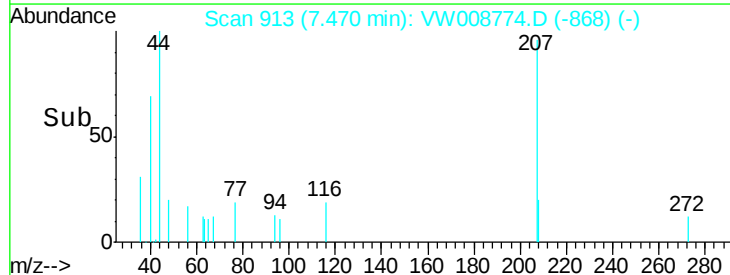
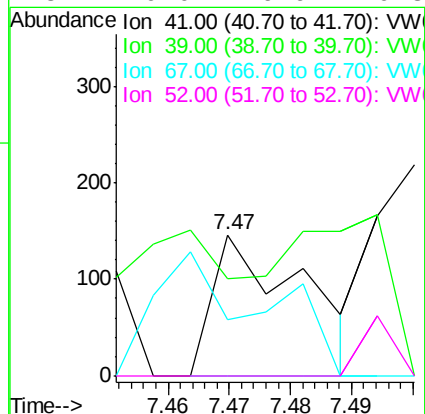
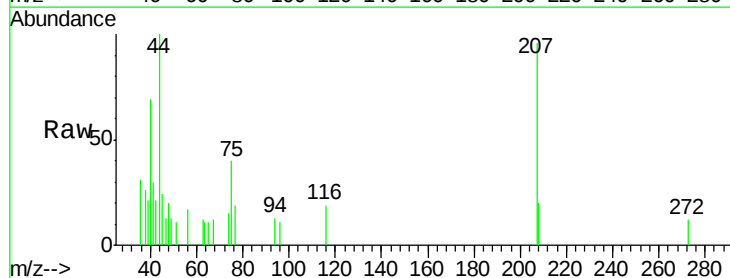
Ion Ratio Lower Upper

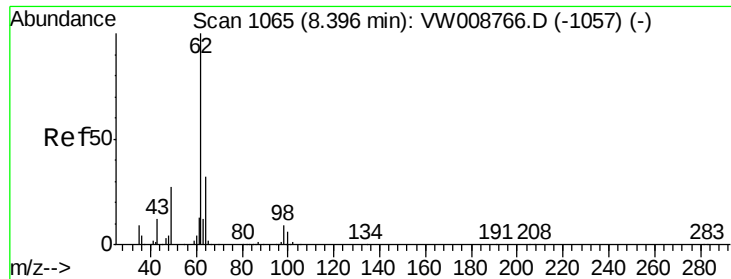
41 100

39 0.0 52.5 78.7#

67 106.1 55.0 82.6#

52 0.0 26.9 40.3#





#42

1,2-Dichloroethane

Concen: 0.171 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

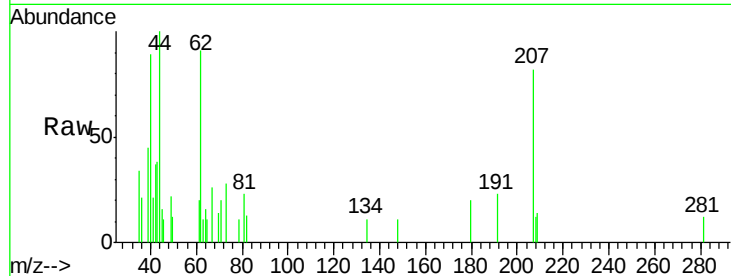
HD-01-022019RE

Tot Ion: 62 Resp: 834

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

8.40

400

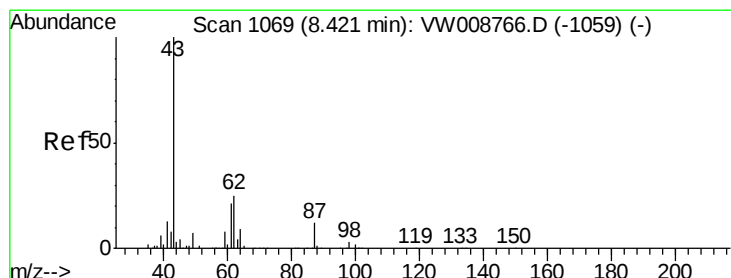
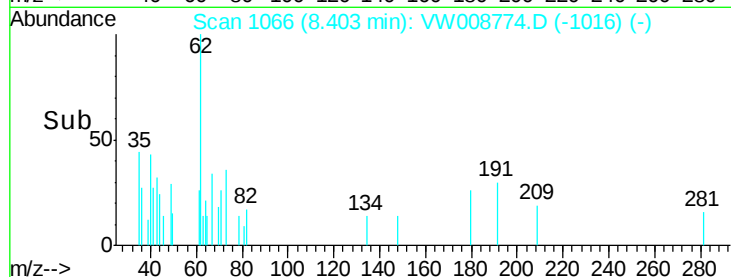
300

200

100

0

Time-->



#43

Isopropyl Acetate

Concen: 0.112 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

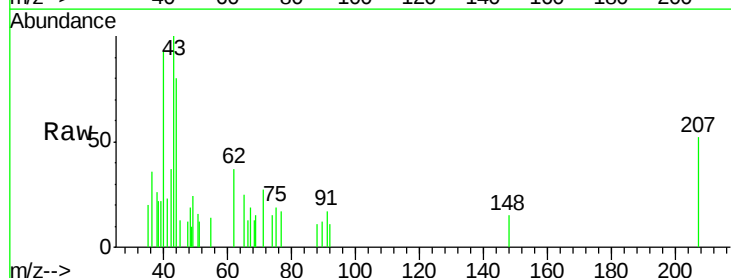
Tgt Ion: 43 Resp: 586

Ion Ratio Lower Upper

43 100

61 0.0 23.2 34.8#

87 0.0 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

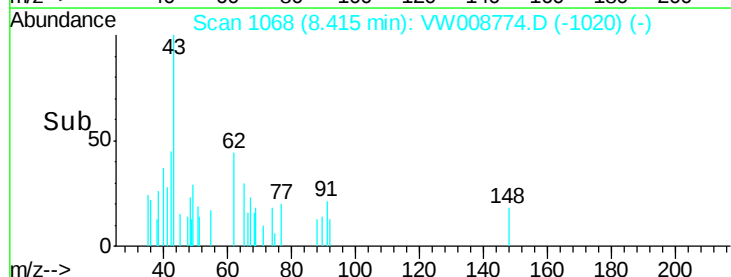
600

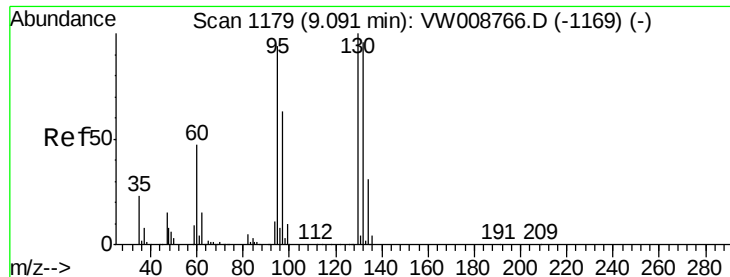
400

200

0

Time-->





#44

Trichloroethene

Concen: 0.023 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

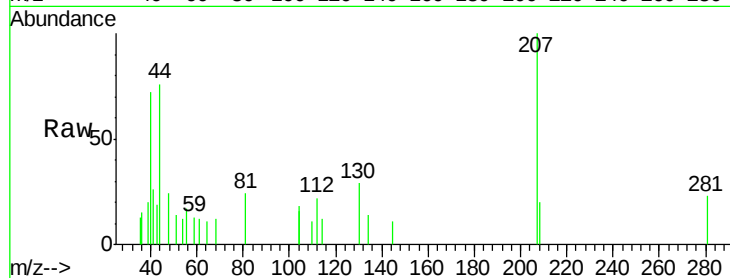
HD-01-022019RE

Tot Ion:130 Resp: 98

Ion Ratio Lower Upper

130 100

95 0.0 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.10

150

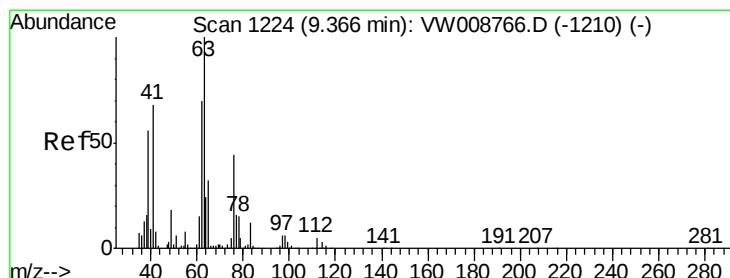
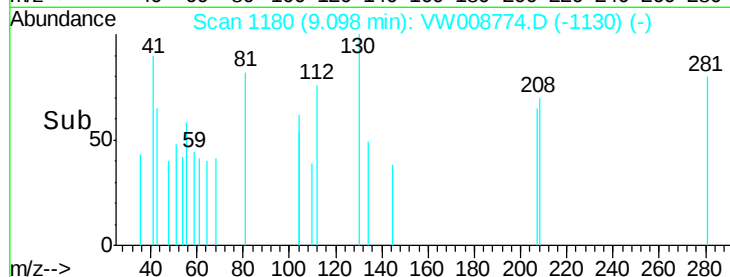
100

50

0

9.08 9.10 9.12 9.14

Time-->



#45

1,2-Dichloropropane

Concen: 0.023 ug/l

RT: 9.35 min Scan# 1221

Delta R.T. -0.02 min

Lab File: VW008774.D

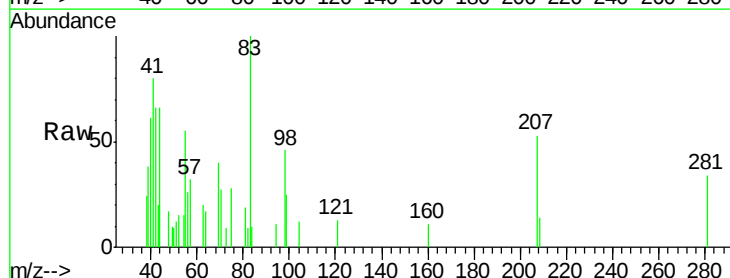
Acq: 21 Feb 2019 17:17

Tgt Ion: 63 Resp: 89

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.35

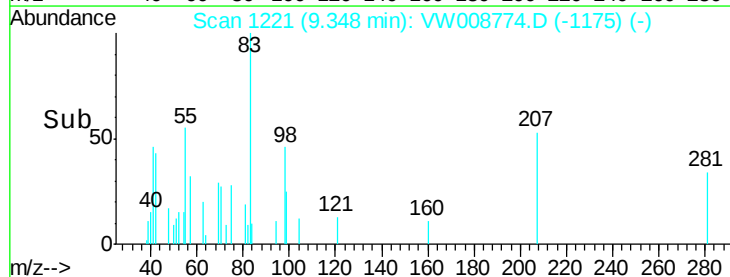
100

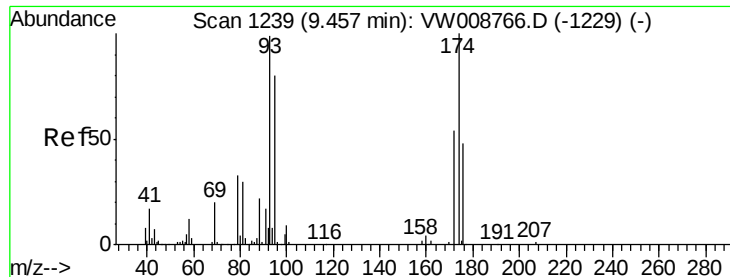
50

0

9.32 9.34 9.36

Time-->





#46

Dibromomethane

Concen: 0.067 ug/l

RT: 9.62 min Scan# 1266

Delta R.T. 0.16 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampled :

HD-01-022019RE

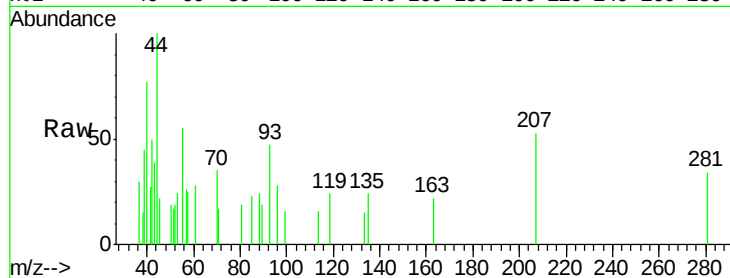
Tot Ion: 93 Resp: 142

Ion Ratio Lower Upper

93 100

95 0.0 67.7 101.5#

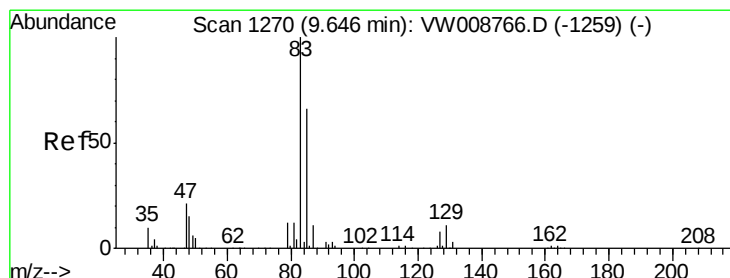
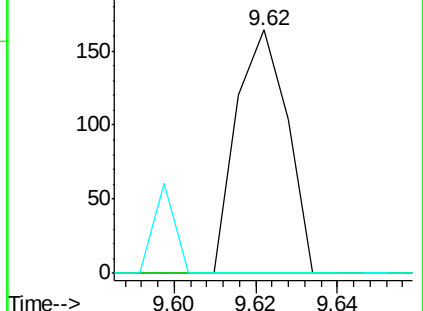
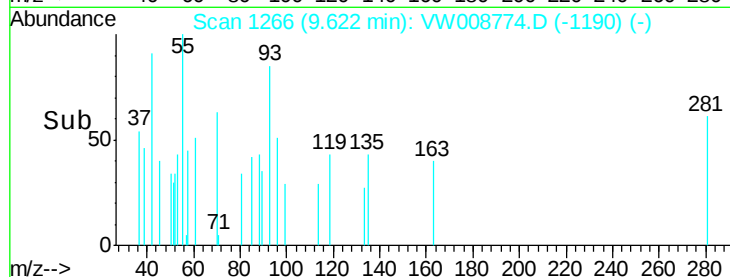
174 0.0 86.7 130.1#



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: 0.015 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

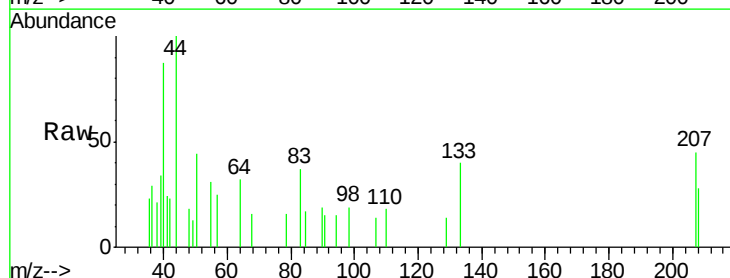
Tgt Ion: 83 Resp: 77

Ion Ratio Lower Upper

83 100

85 0.0 52.5 78.7#

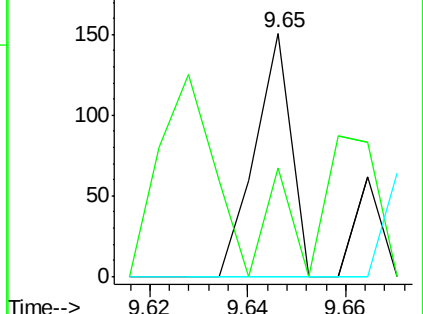
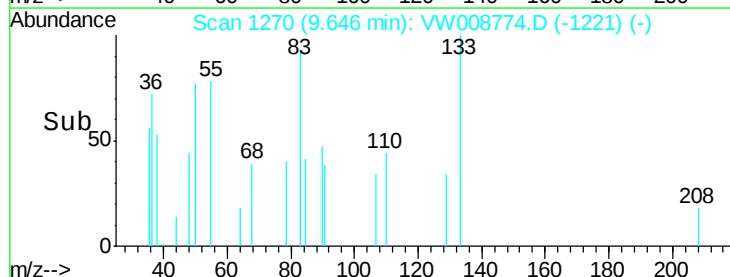
127 0.0 6.7 10.1#

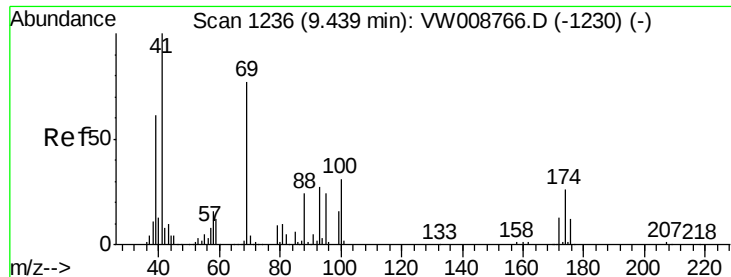


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

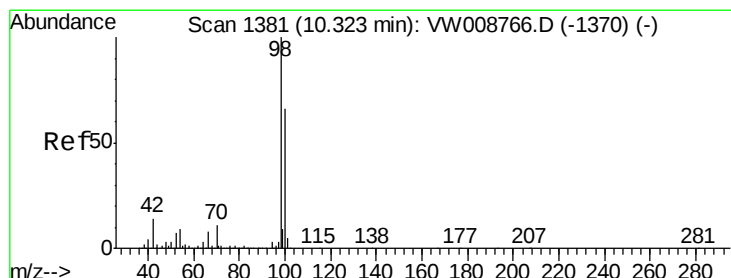
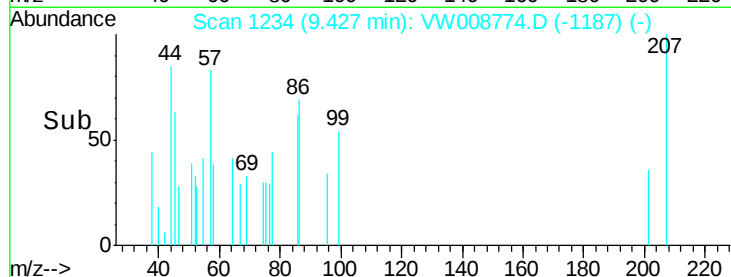
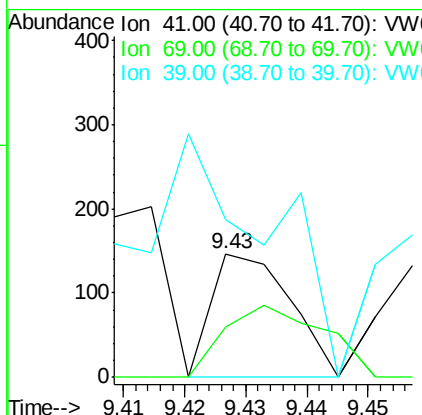
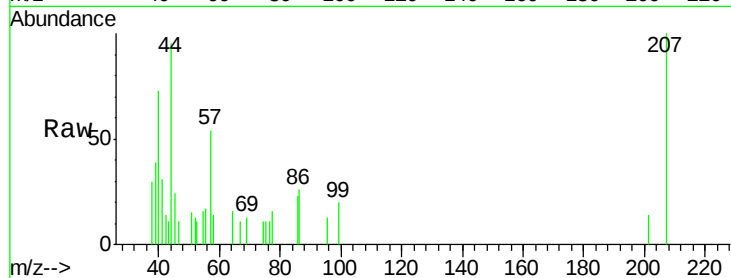




#48
Methyl methacrylate
Concen: 0.052 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.01 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

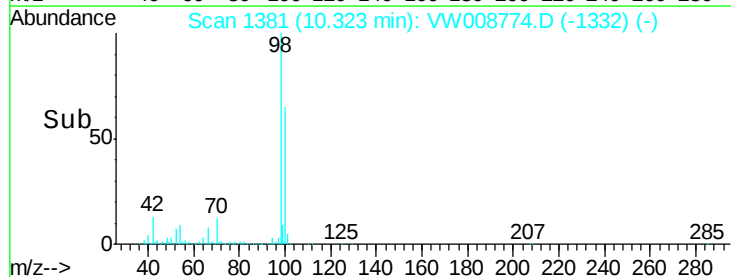
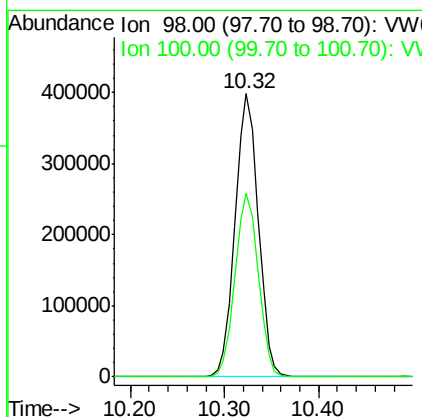
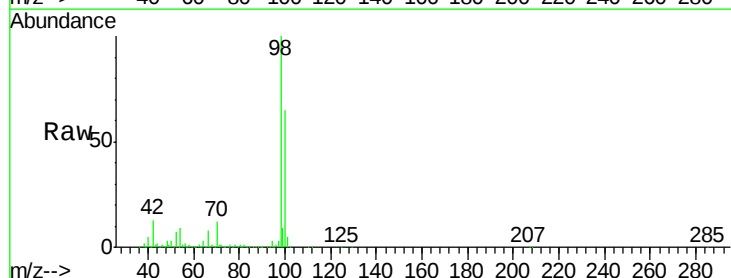
Instrument :
MSVOA_W
ClientSampleId :
HD-01-022019RE

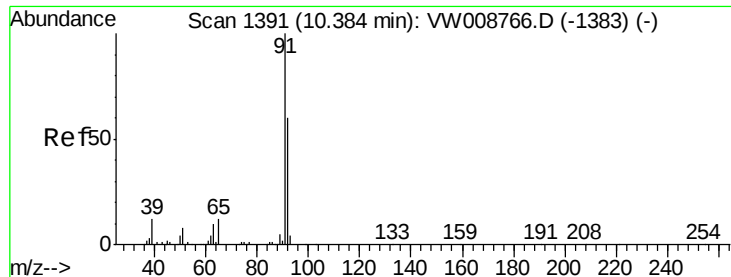
Tot Ion: 41 Resp: 130
Ion Ratio Lower Upper
41 100
69 73.8 63.6 95.4
39 326.2 52.1 78.1#



#50
Toluene-d8
Concen: 51.025 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

Tgt Ion: 98 Resp: 684492
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6





#52

Toluene

Concen: 1.986 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

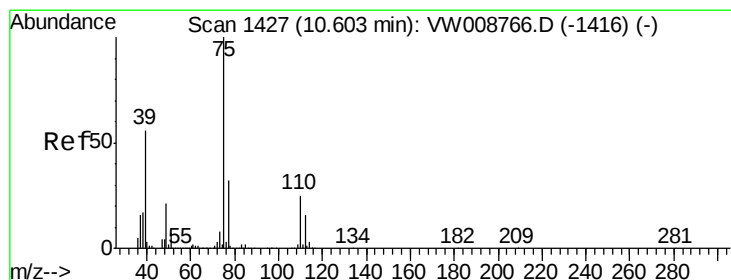
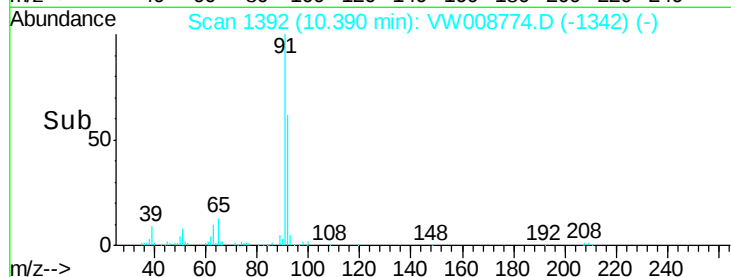
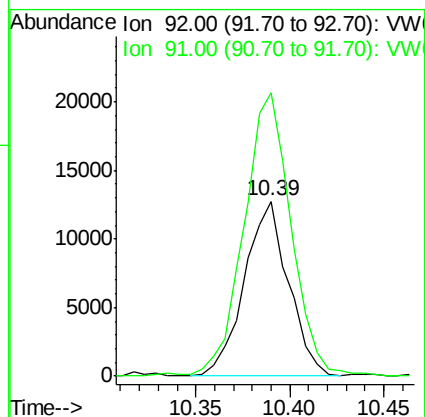
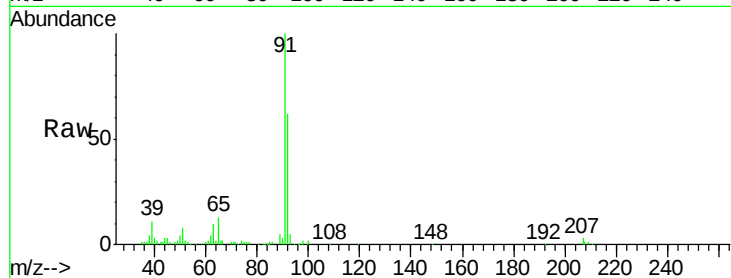
HD-01-022019RE

Tot Ion: 92 Resp: 20736

Ion Ratio Lower Upper

92 100

91 173.3 136.9 205.3



#53

t-1,3-Dichloropropene

Concen: 0.018 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008774.D

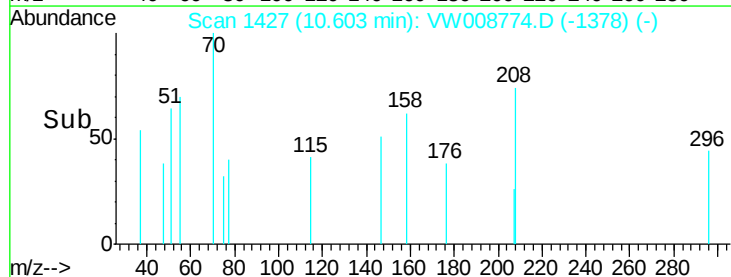
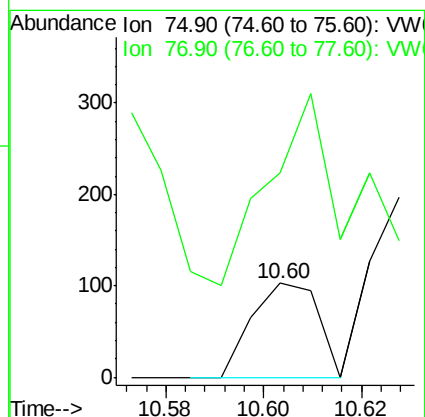
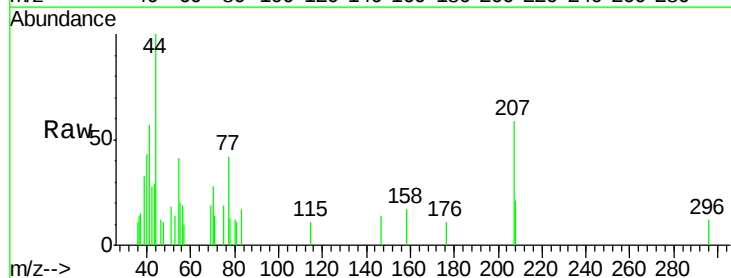
Acq: 21 Feb 2019 17:17

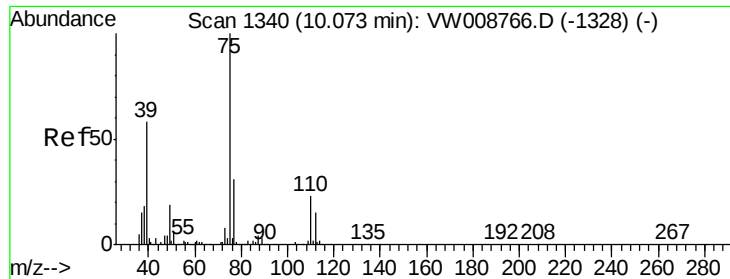
Tgt Ion: 75 Resp: 96

Ion Ratio Lower Upper

75 100

77 104.9 26.1 39.1#





#54

cis-1,3-Dichloropropene

Concen: 0.017 ug/l

RT: 10.05 min Scan# 1337

Delta R.T. -0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

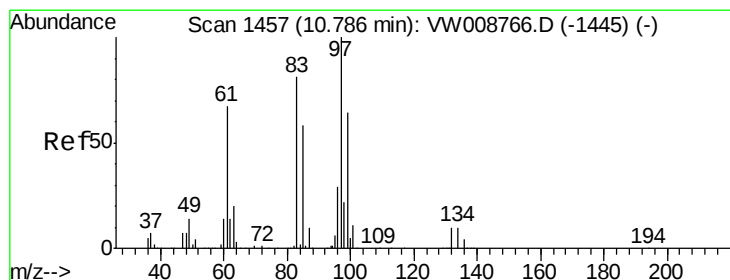
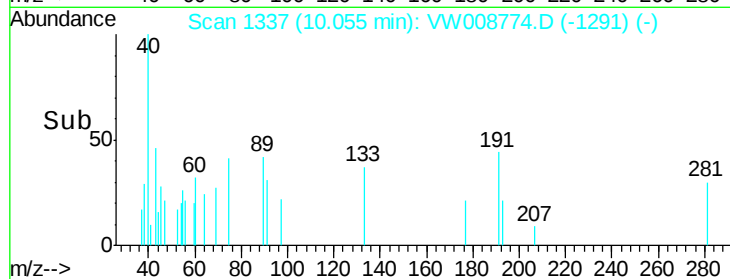
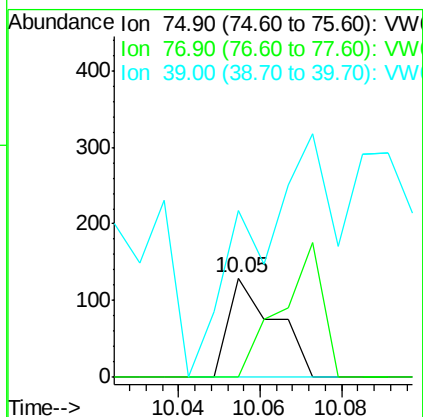
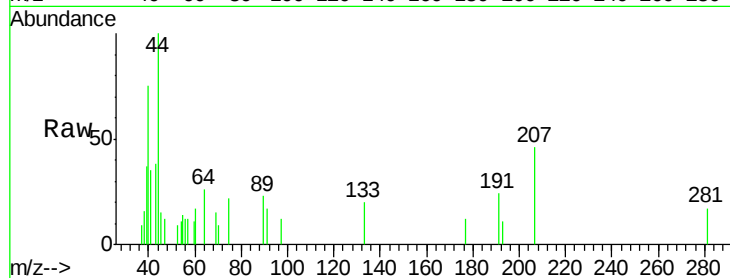
Tot Ion: 75 Resp: 102

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 168.2 46.6 70.0#



#55

1,1,2-Trichloroethane

Concen: 0.606 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Tgt Ion: 97 Resp: 1739

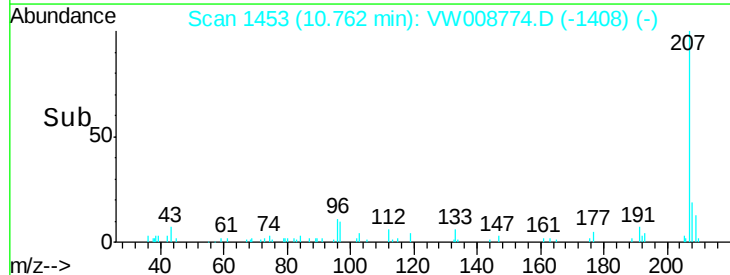
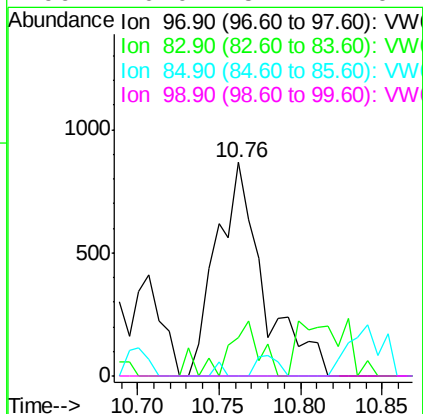
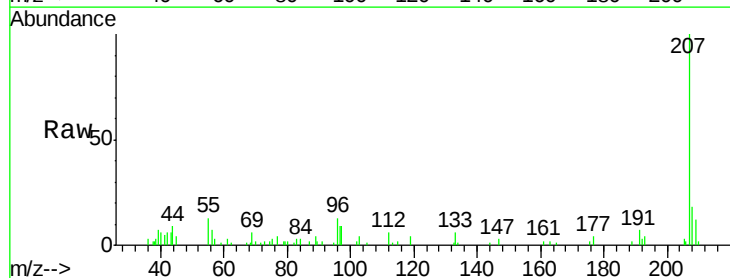
Ion Ratio Lower Upper

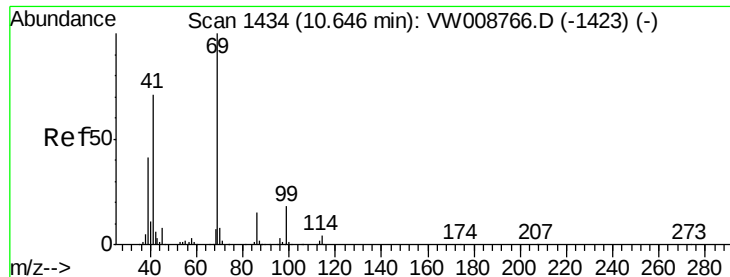
97 100

83 4.8 65.0 97.6#

85 0.0 46.0 69.0#

99 0.0 51.1 76.7#





#56

Ethyl methacrylate

Concen: 0.186 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

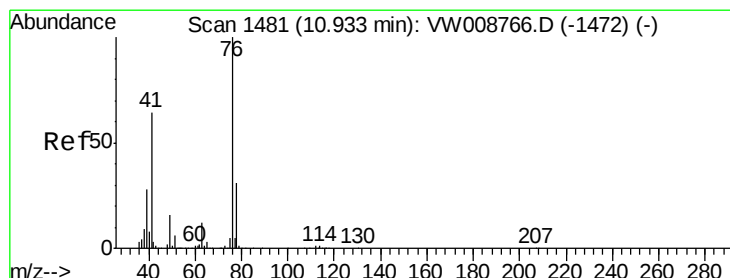
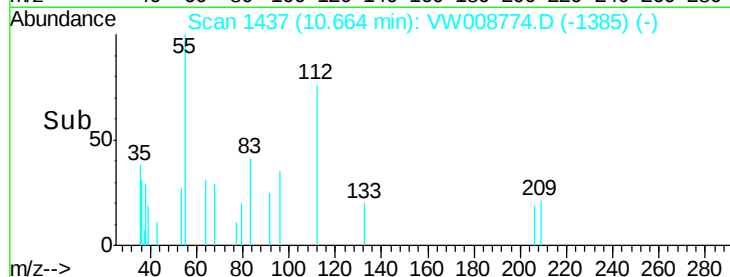
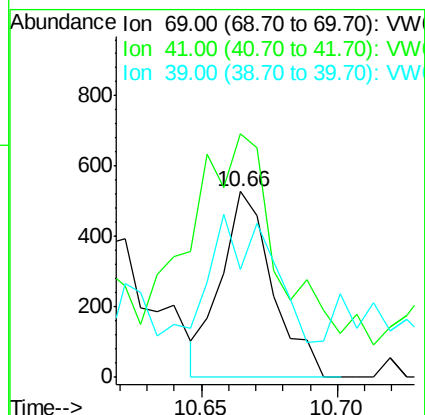
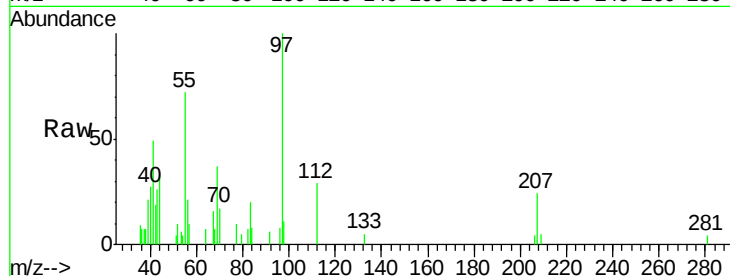
Tot Ion: 69 Resp: 694

Ion Ratio Lower Upper

69 100

41 189.5 57.4 86.0#

39 74.9 34.8 52.2#



#57

1,3-Dichloropropane

Concen: 0.008 ug/l

RT: 11.01 min Scan# 1494

Delta R.T. 0.08 min

Lab File: VW008774.D

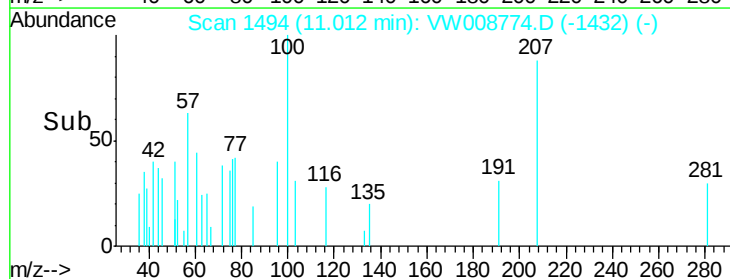
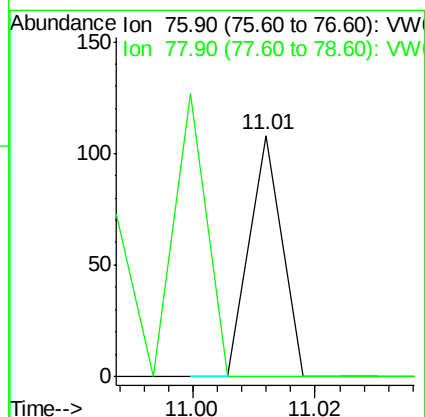
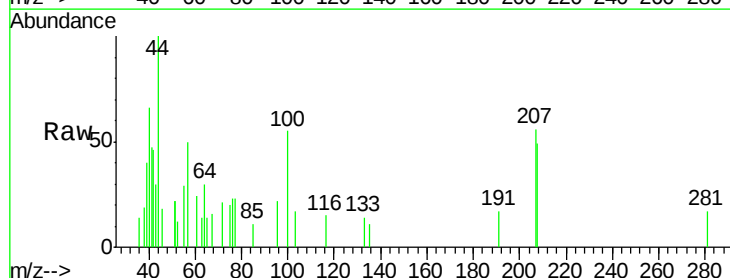
Acq: 21 Feb 2019 17:17

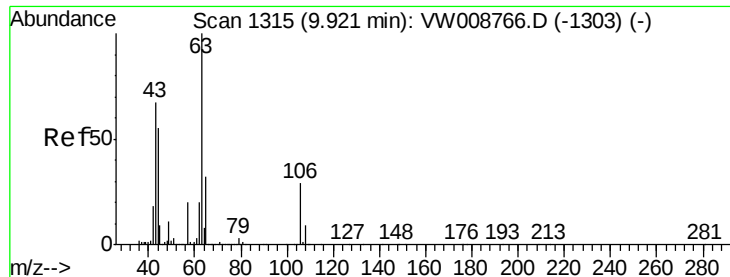
Tgt Ion: 76 Resp: 40

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#58

2-Chloroethyl Vinyl ether

Concen: 0.014 ug/l

RT: 9.91 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

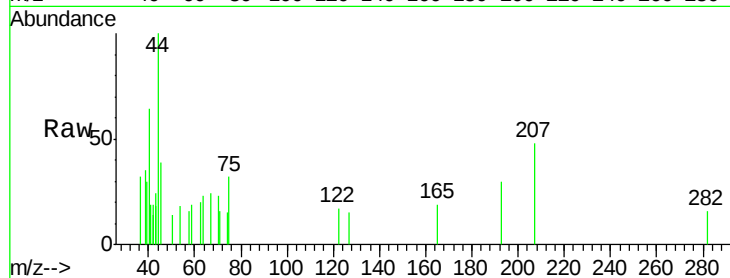
HD-01-022019RE

Tot Ion: 63 Resp: 27

Ion Ratio Lower Upper

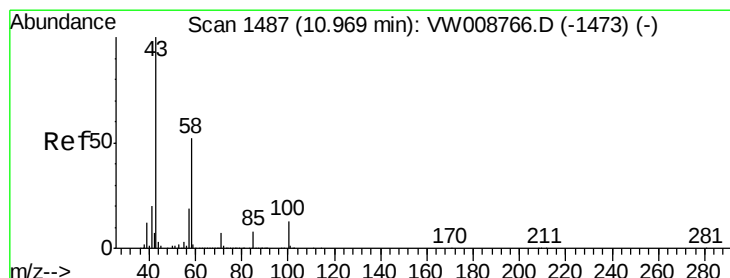
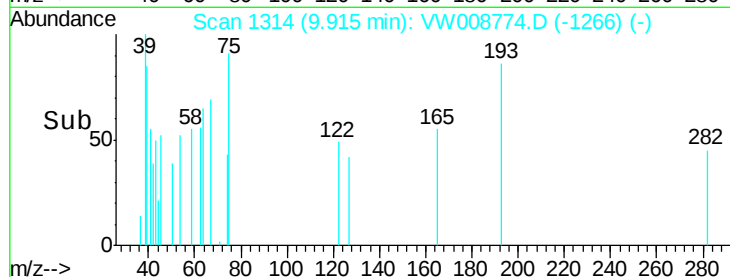
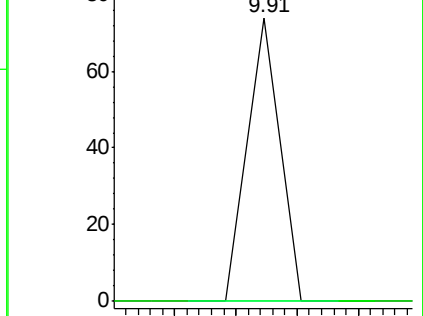
63 100

106 0.0 24.0 36.0#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 0.194 ug/l

RT: 11.07 min Scan# 1503

Delta R.T. 0.10 min

Lab File: VW008774.D

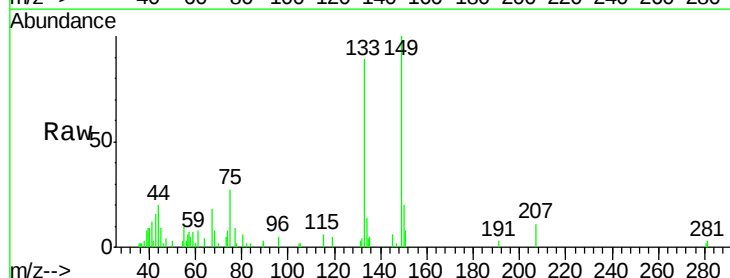
Acq: 21 Feb 2019 17:17

Tgt Ion: 43 Resp: 366

Ion Ratio Lower Upper

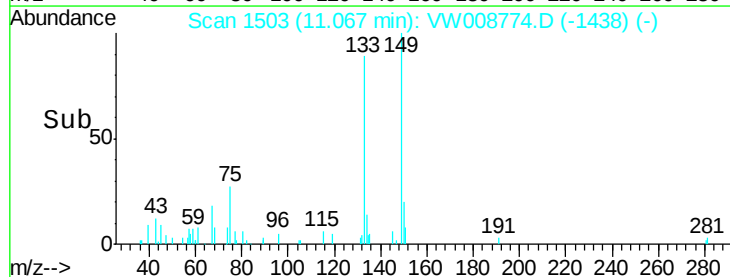
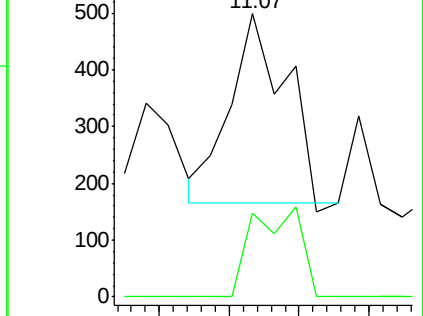
43 100

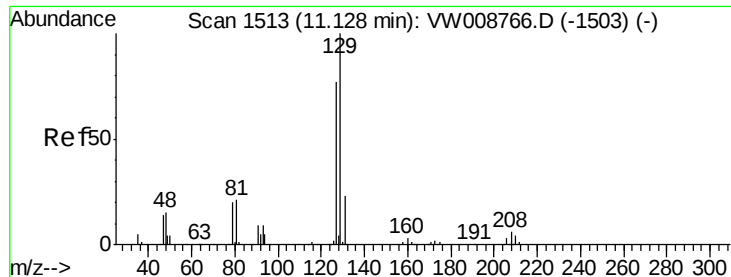
58 41.8 25.3 75.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#60

Dibromochloromethane

Concen: 0.009 ug/l

RT: 11.07 min Scan# 1504

Delta R.T. -0.05 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

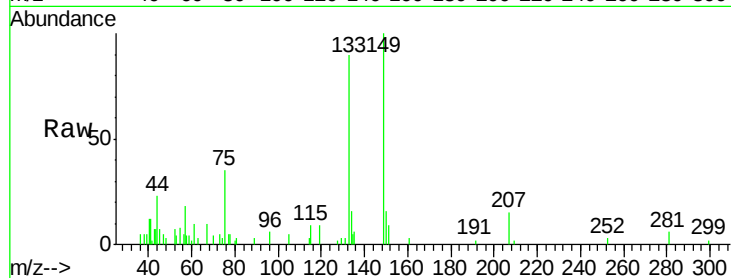
HD-01-022019RE

Tot Ion:129 Resp: 31

Ion Ratio Lower Upper

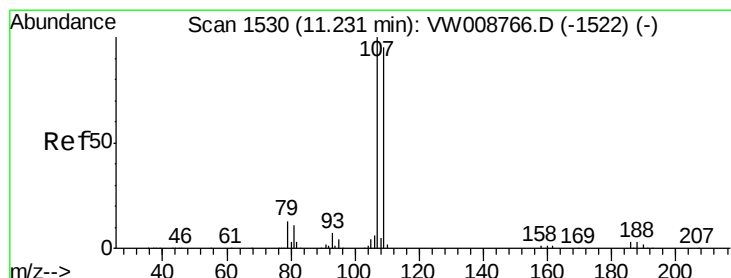
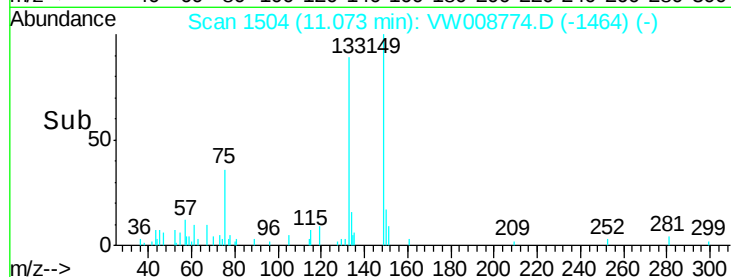
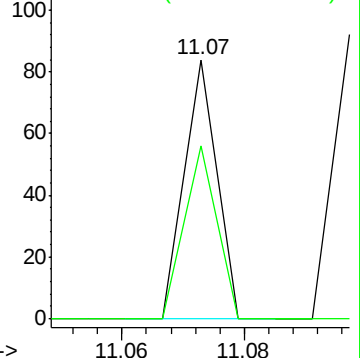
129 100

127 64.5 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.010 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008774.D

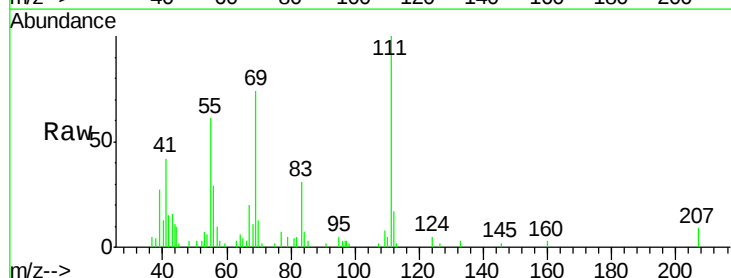
Acq: 21 Feb 2019 17:17

Tgt Ion:107 Resp: 27

Ion Ratio Lower Upper

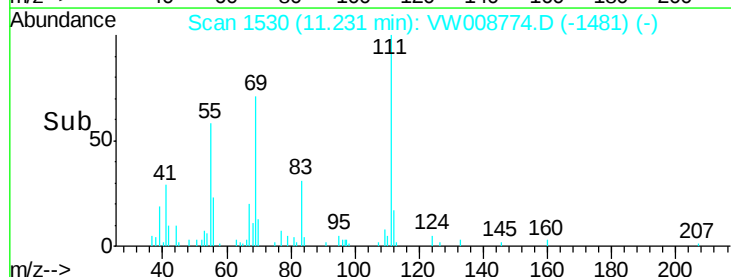
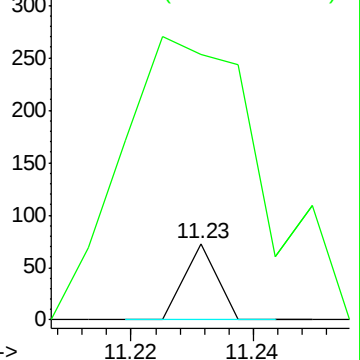
107 100

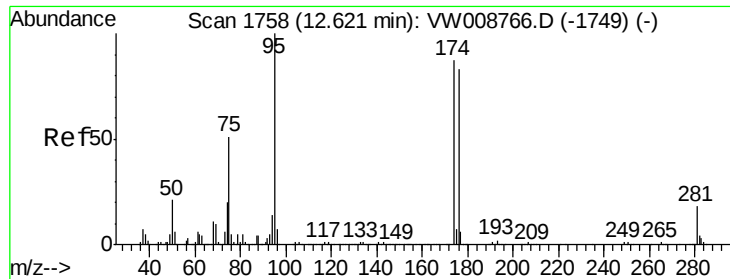
109 1596.3 75.6 113.4#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

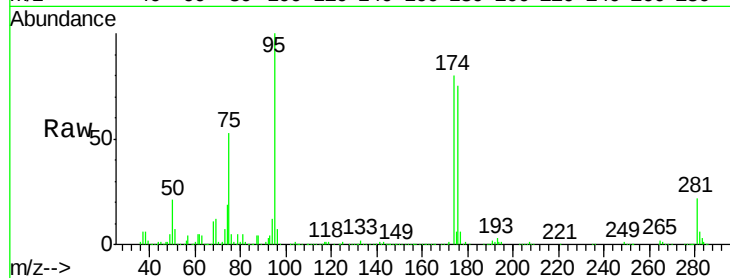




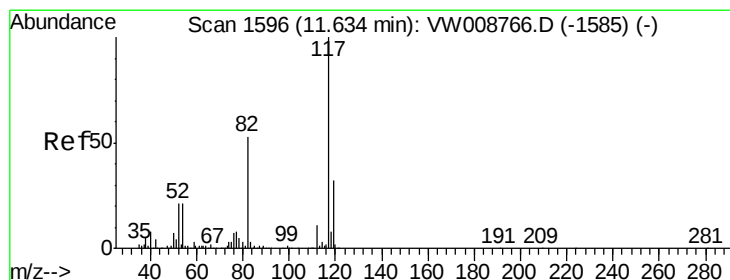
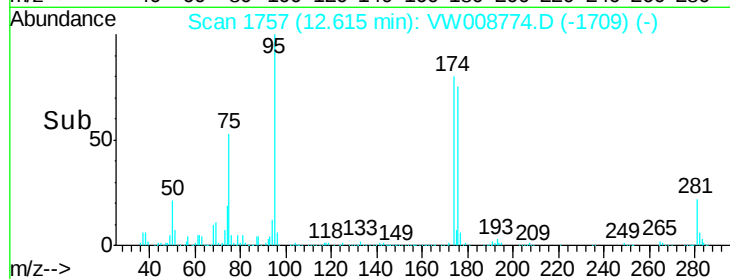
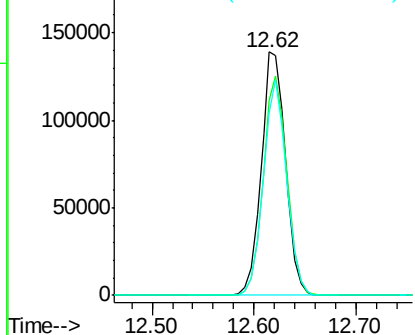
#62
4-Bromofluorobenzene
Concen: 43.804 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

Instrument :
MSVOA_W
ClientSampleId :
HD-01-022019RE

Tot Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	169.2
176	84.4	0.0	163.6

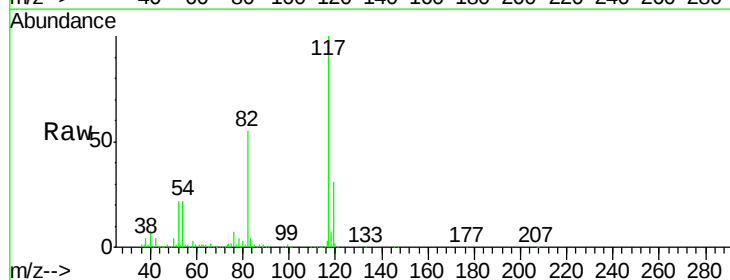


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

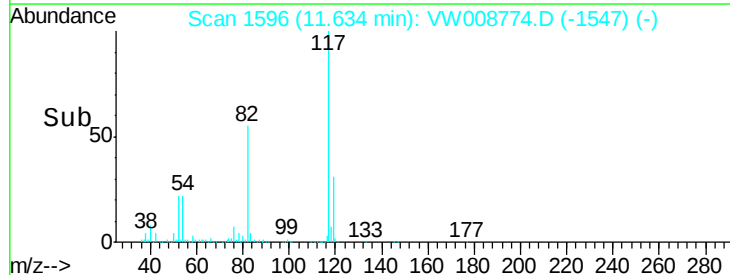
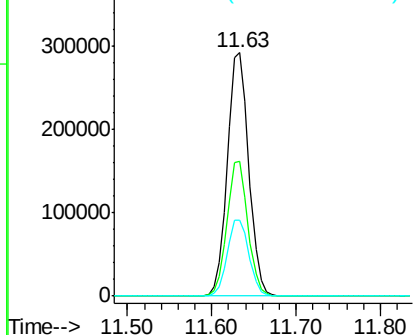


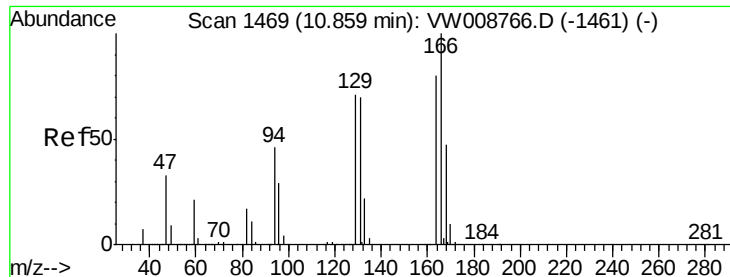
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	42.2	63.4
119	31.0	25.9	38.9



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





#64

Tetrachloroethene

Concen: 0.038 ug/l

RT: 10.87 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

Tot Ion:164 Resp: 138

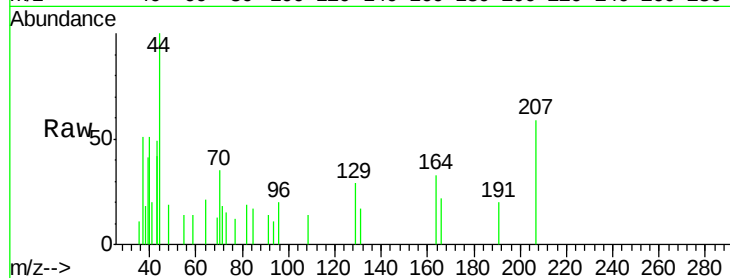
Ion Ratio Lower Upper

164 100

166 65.4 99.5 149.3#

129 86.5 71.1 106.7

131 51.3 69.8 104.8#

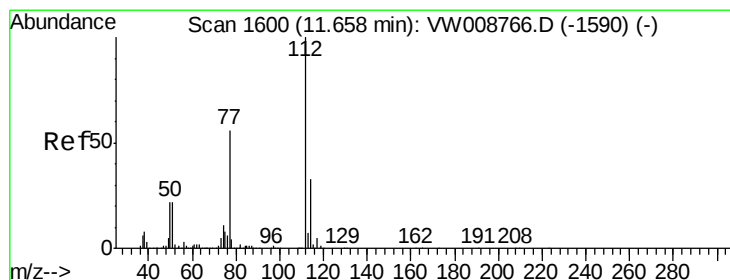
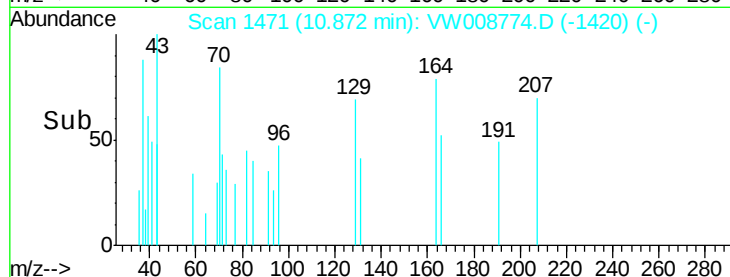
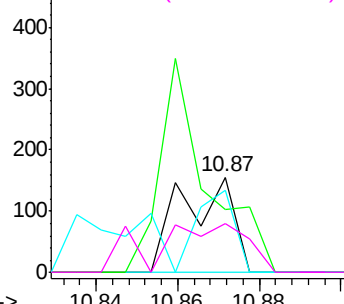


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.035 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW008774.D

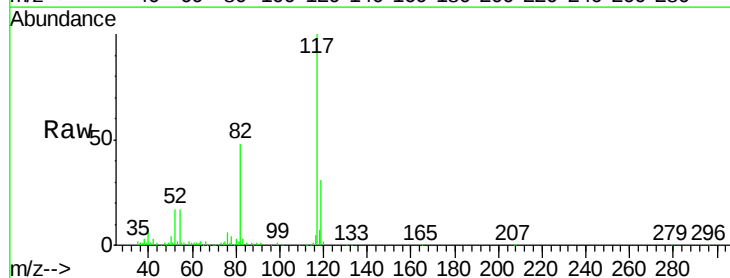
Acq: 21 Feb 2019 17:17

Tgt Ion:112 Resp: 372

Ion Ratio Lower Upper

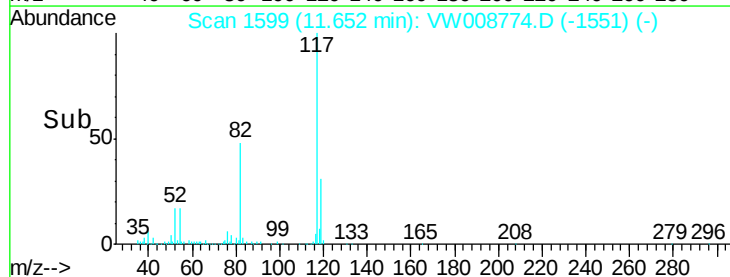
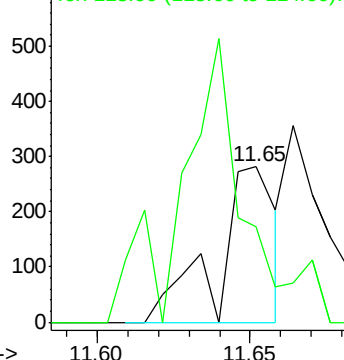
112 100

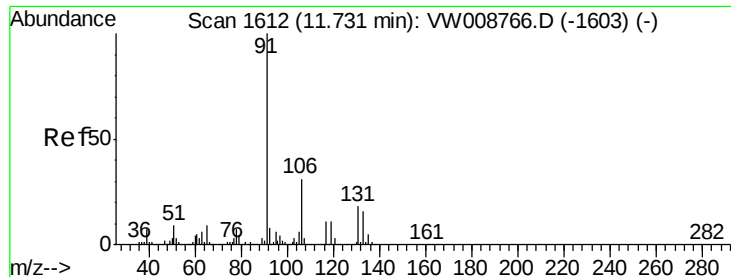
114 38.1 26.6 40.0



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: 0.033 ug/l

RT: 11.75 min Scan# 1615

Delta R.T. 0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

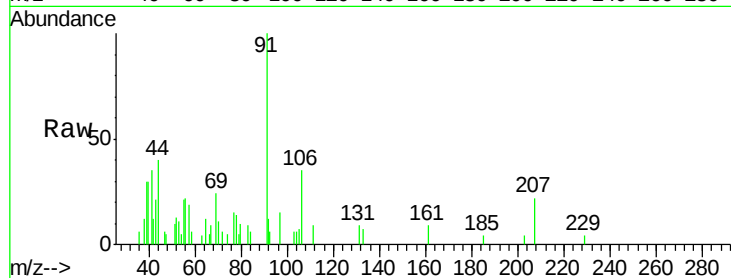
Tot Ion:131 Resp: 120

Ion Ratio Lower Upper

131 100

133 140.0 46.7 140.0#

119 0.0 30.8 92.4#



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

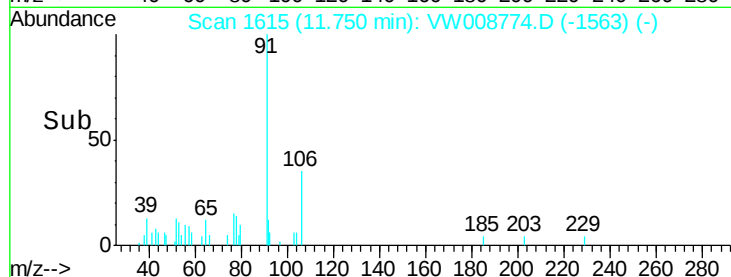
11.75

11.72

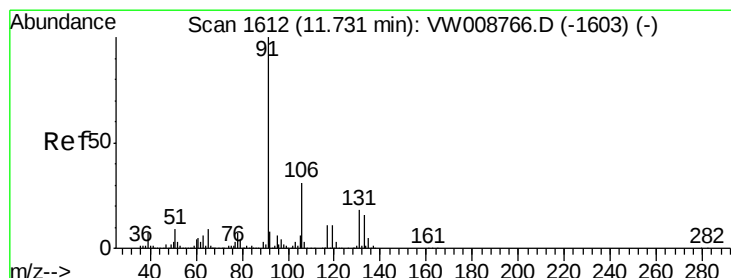
11.74

11.76

11.78



Time-->



#67

Ethyl Benzene

Concen: 0.455 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008774.D

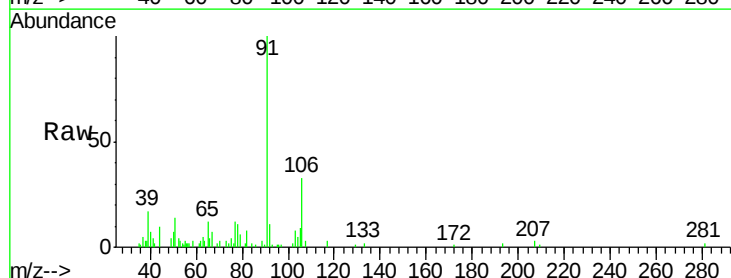
Acq: 21 Feb 2019 17:17

Tgt Ion: 91 Resp: 8691

Ion Ratio Lower Upper

91 100

106 33.0 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

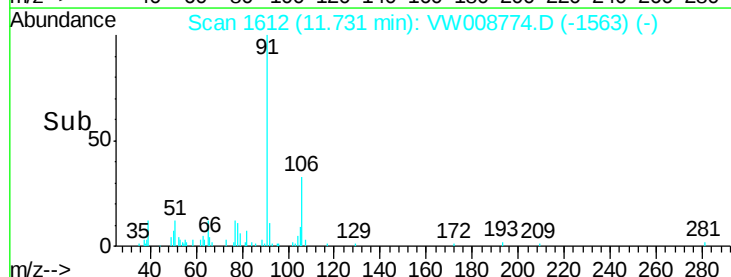
11.73

11.65

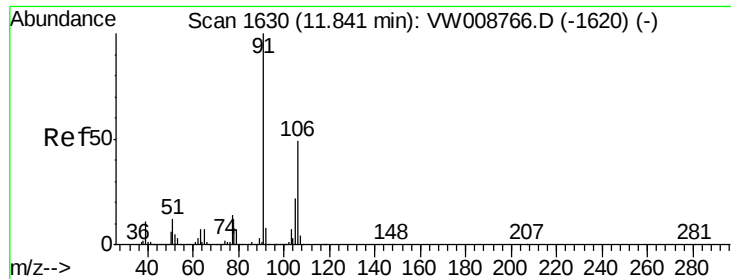
11.70

11.75

11.80



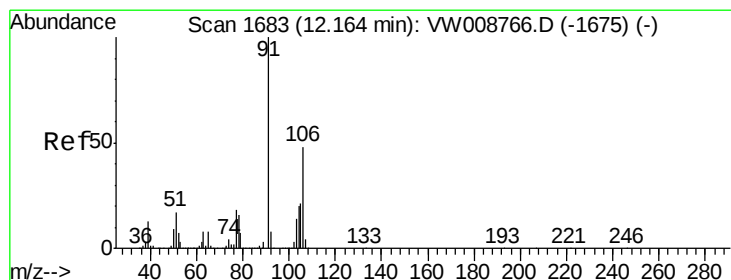
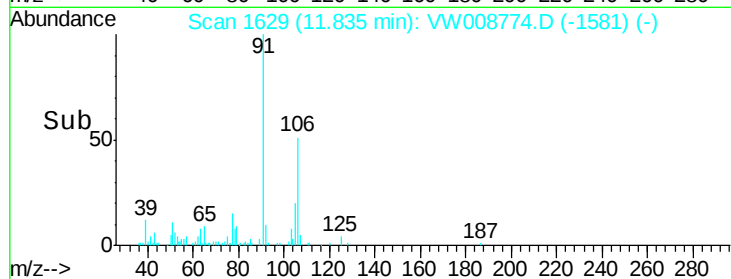
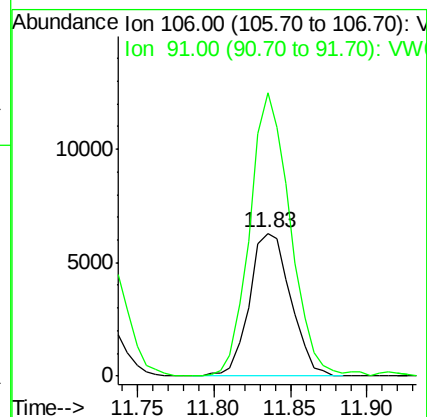
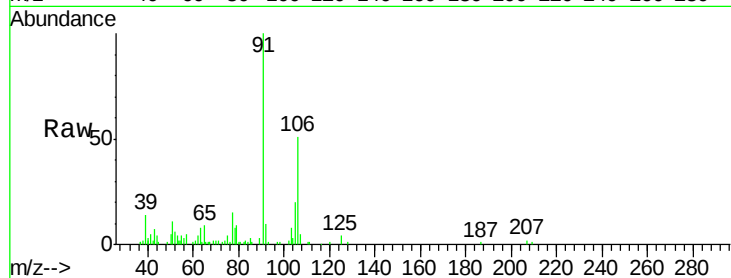
Time-->



#68
m/p-Xylenes
Concen: 1.549 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

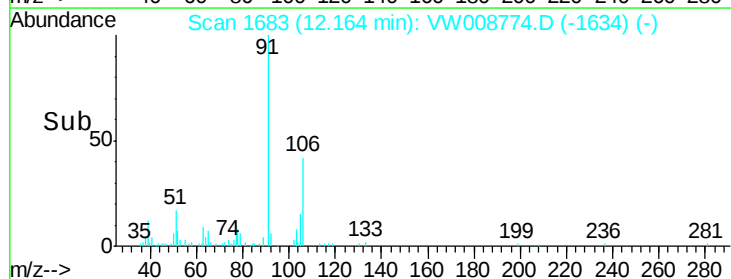
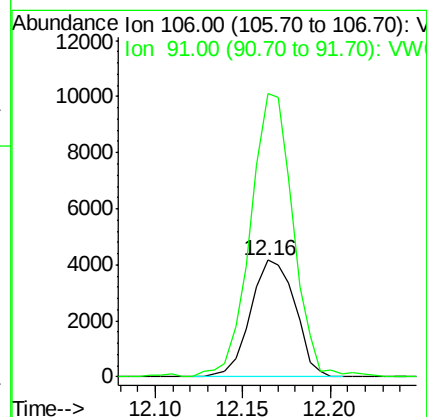
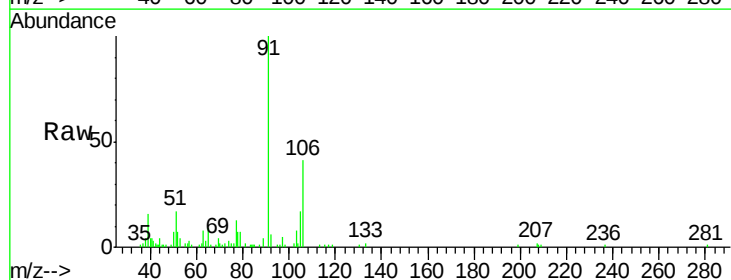
Instrument :
MSVOA_W
ClientSampleId :
HD-01-022019RE

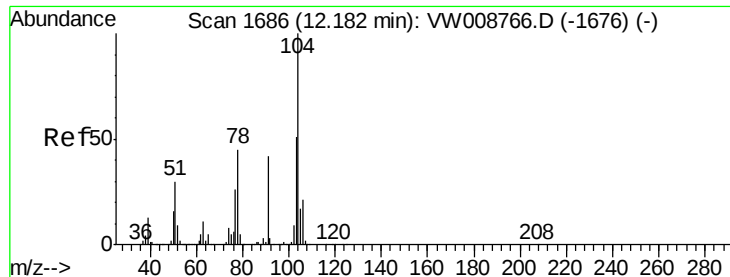
Tot Ion:106 Resp: 11816
Ion Ratio Lower Upper
106 100
91 194.5 161.5 242.3



#69
o-Xylene
Concen: 1.033 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

Tgt Ion:106 Resp: 7401
Ion Ratio Lower Upper
106 100
91 232.5 106.2 318.6





#70

Stvrene

Concen: 0.148 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

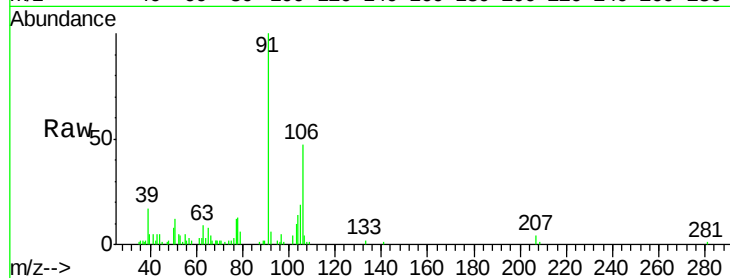
Tot Ion:104 Resp: 1705

Ion Ratio Lower Upper

104 100

78 115.4 40.8 61.2#

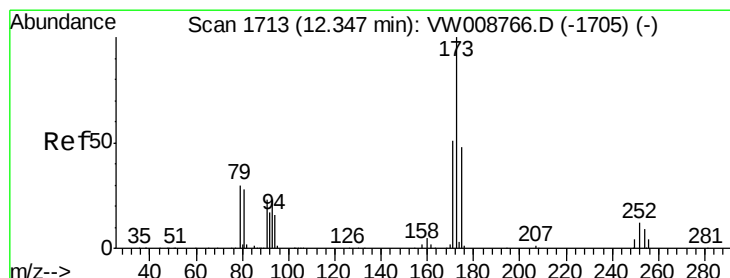
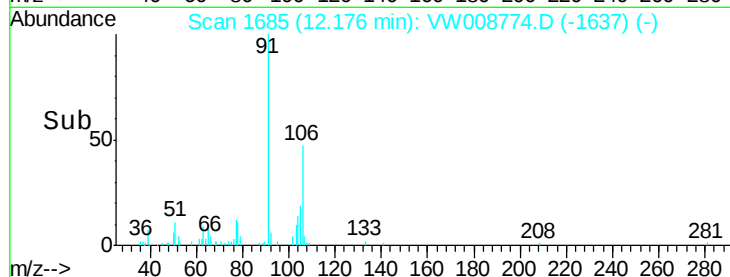
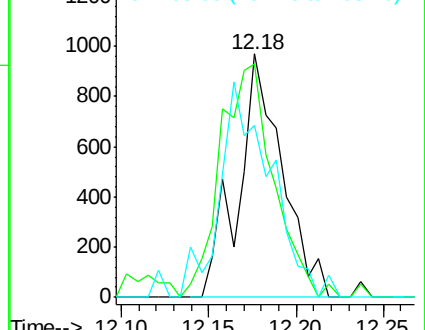
103 102.0 44.2 66.2#



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: 0.054 ug/l

RT: 12.34 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

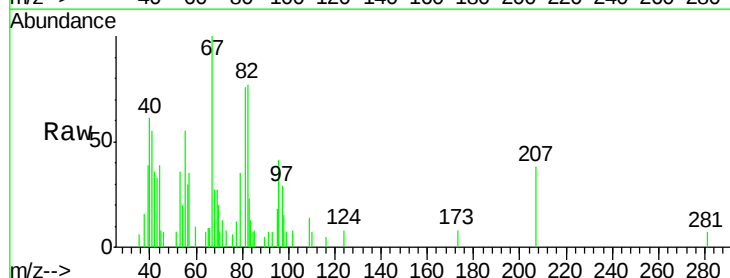
Tgt Ion:173 Resp: 105

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

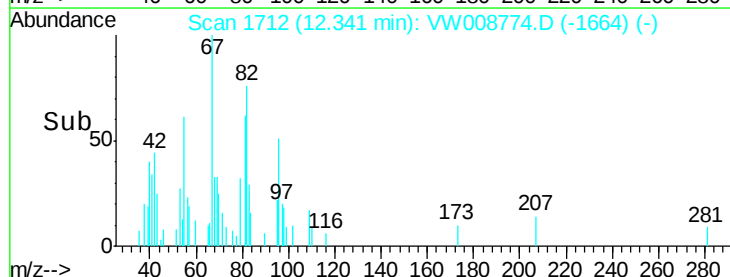
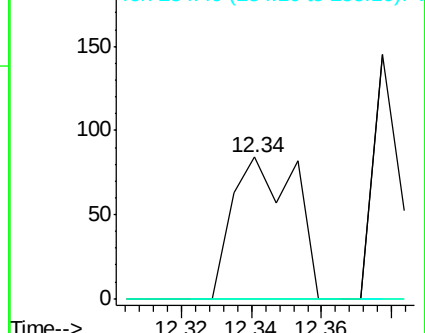
254 0.0 0.2 0.4#

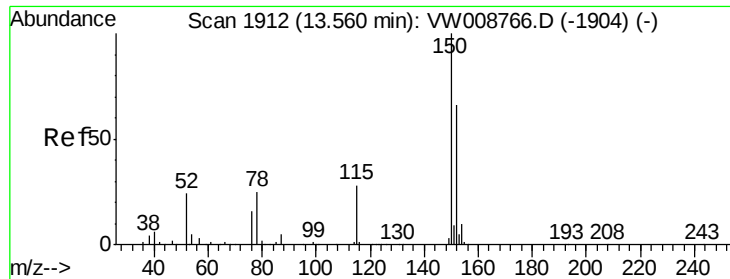


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

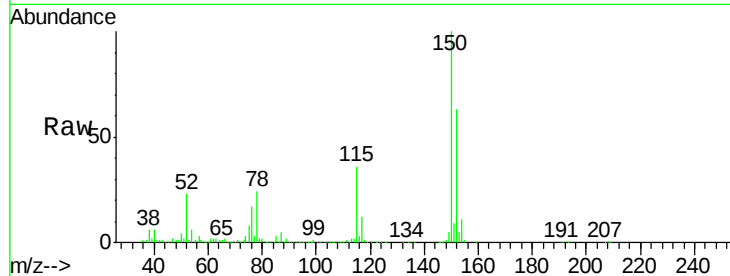
Tot Ion:152 Resp: 233484

Ion Ratio Lower Upper

152 100

115 57.1 28.6 85.8

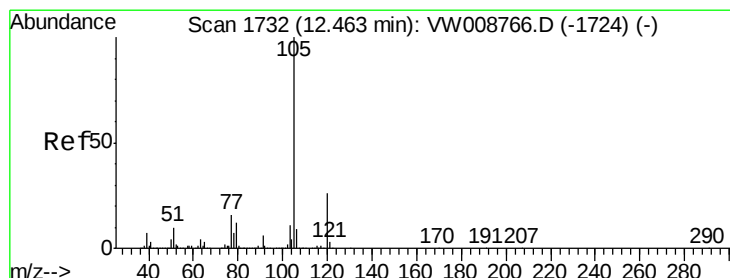
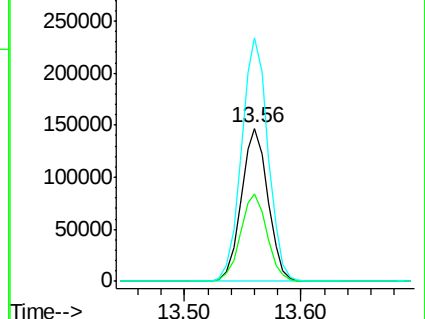
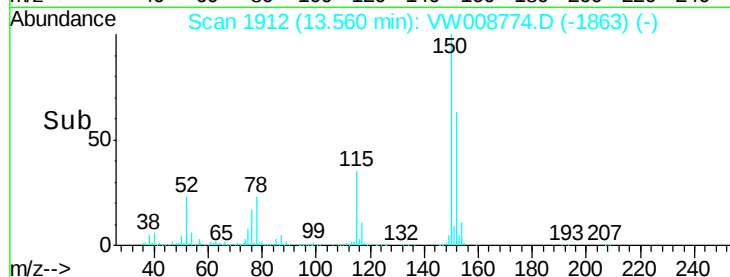
150 158.8 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.279 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008774.D

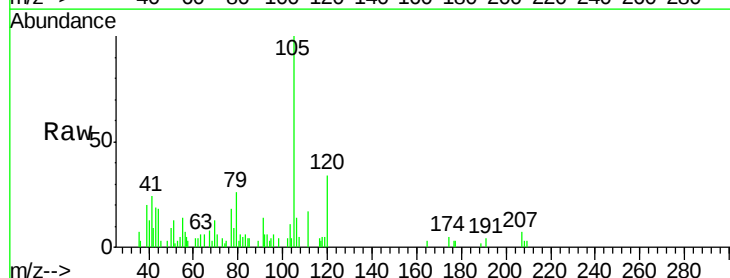
Acq: 21 Feb 2019 17:17

Tgt Ion:105 Resp: 4473

Ion Ratio Lower Upper

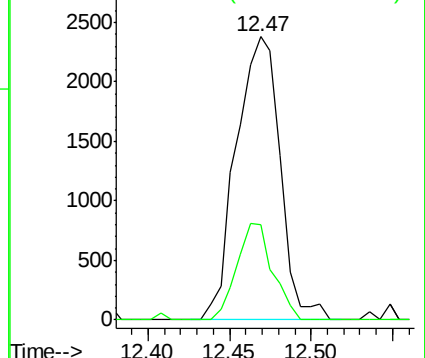
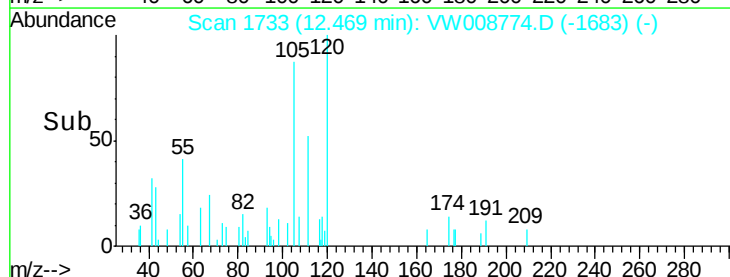
105 100

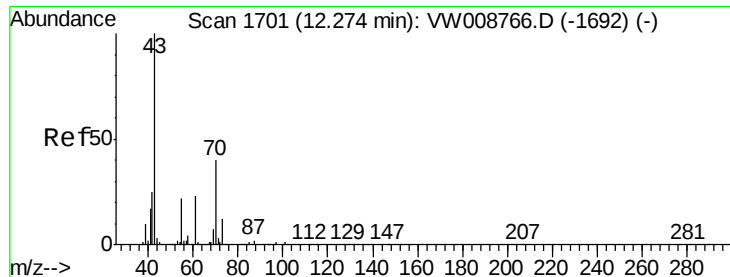
120 27.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.394 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

Tot Ion: 43 Resp: 1587

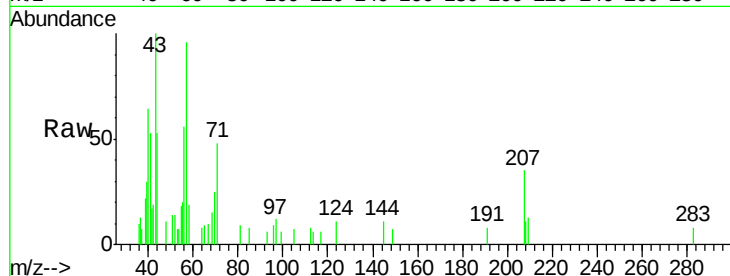
Ion Ratio Lower Upper

43 100

70 42.4 31.0 46.6

55 12.8 18.7 28.1#

61 0.0 18.1 27.1#

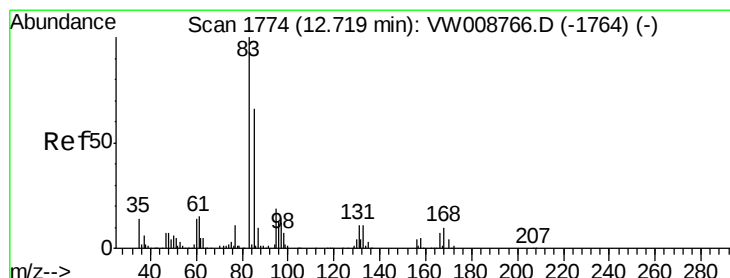
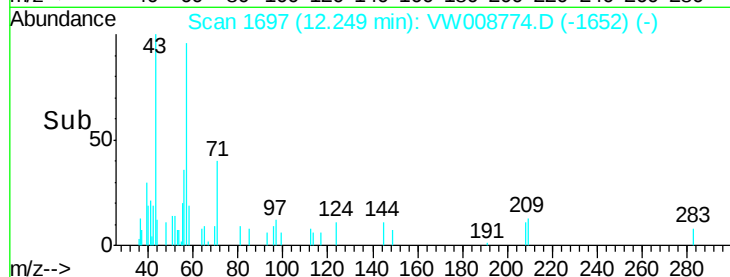
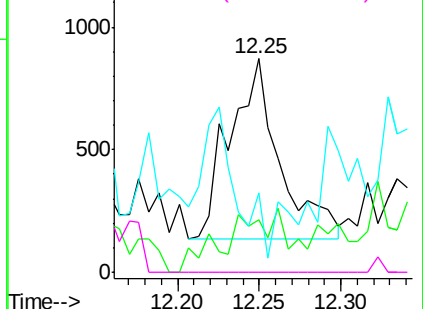


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 0.050 ug/l

RT: 12.67 min Scan# 1766

Delta R.T. -0.05 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

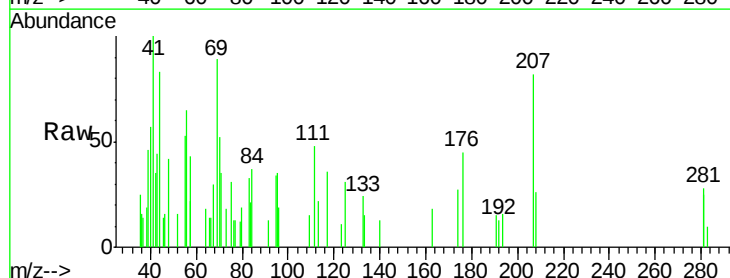
Tgt Ion: 83 Resp: 132

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

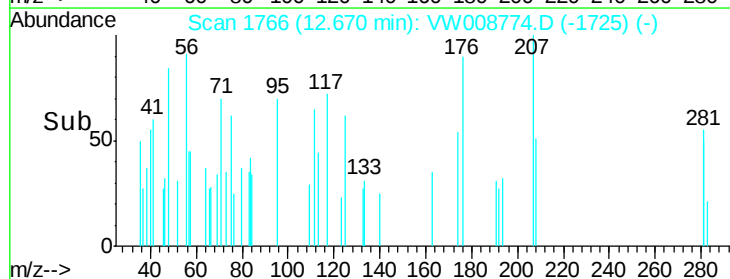
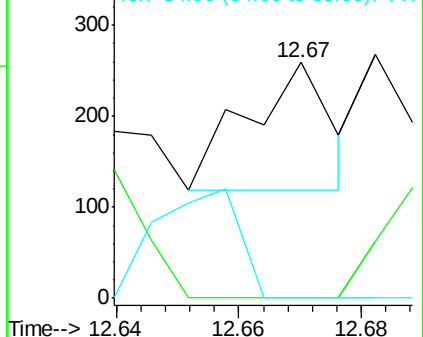
85 85.6 33.0 98.9

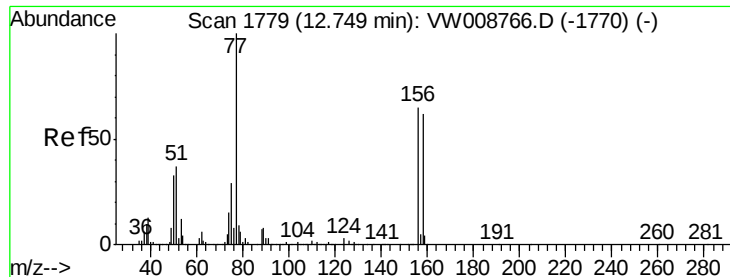


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#77

Bromobenzene

Concen: 0.047 ug/l

RT: 12.74 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

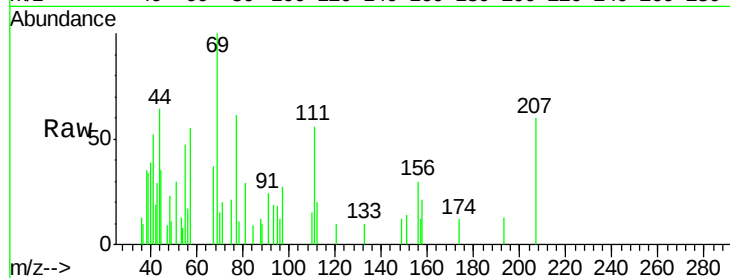
Tot Ion:156 Resp: 177

Ion Ratio Lower Upper

156 100

77 537.9 89.1 267.4#

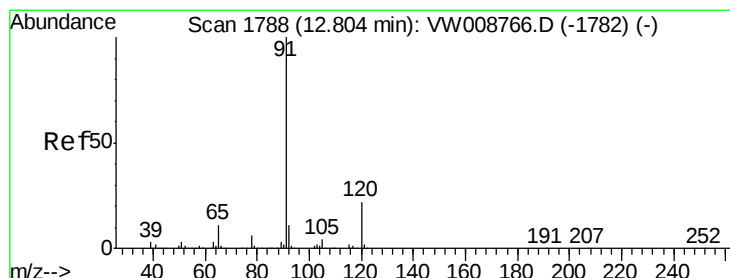
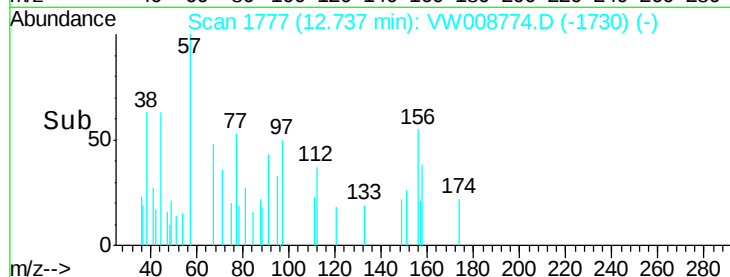
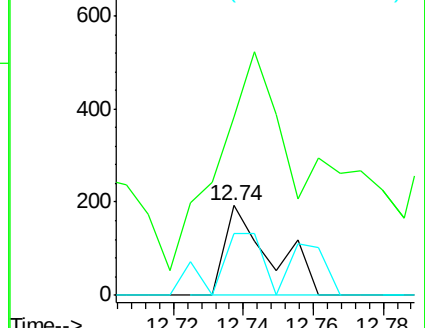
158 69.5 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.800 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW008774.D

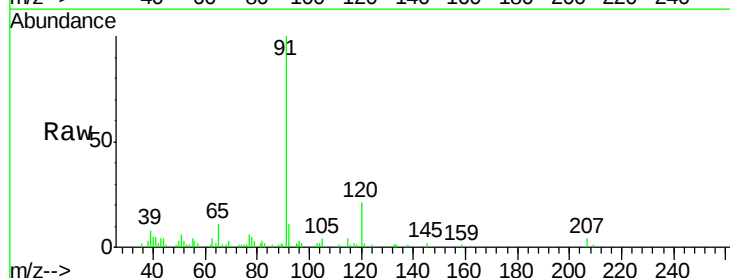
Acq: 21 Feb 2019 17:17

Tgt Ion: 91 Resp: 15671

Ion Ratio Lower Upper

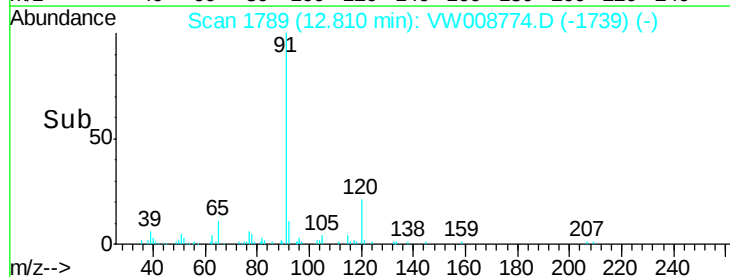
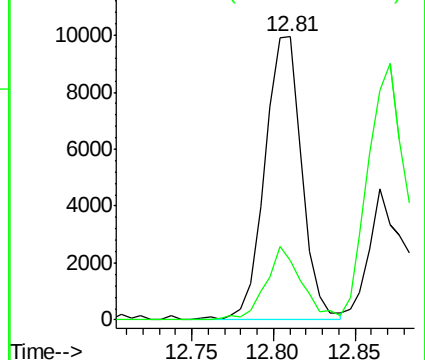
91 100

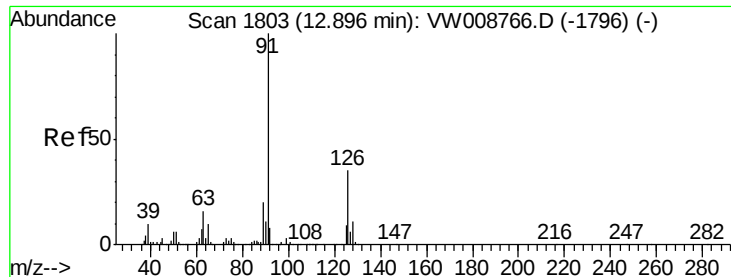
120 25.5 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

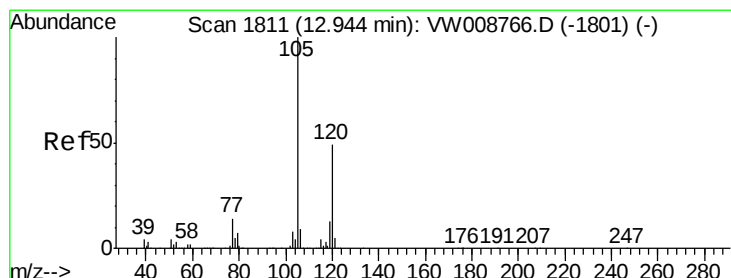
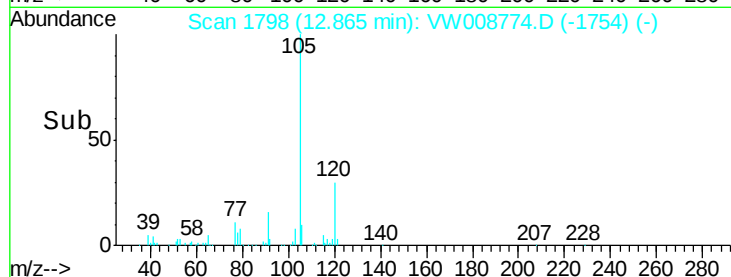
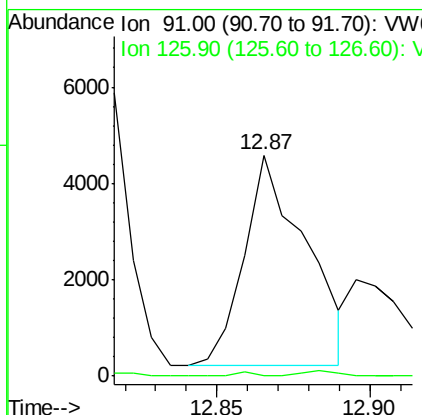
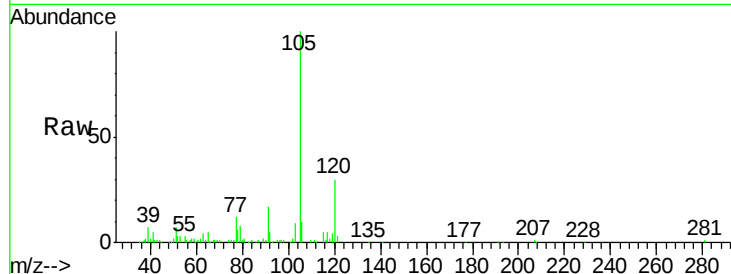




#79
 2-Chlorotoluene
 Concen: 0.546 ug/l
 RT: 12.87 min Scan# 1798
 Delta R.T. -0.03 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

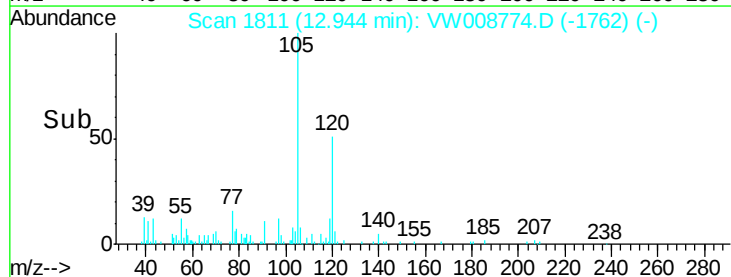
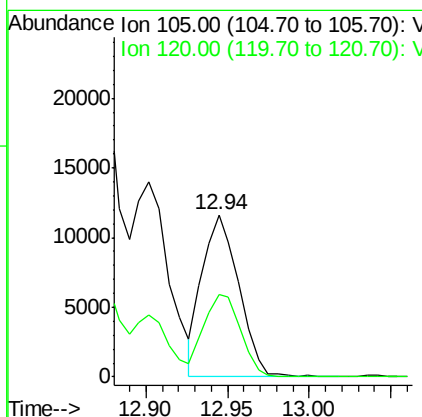
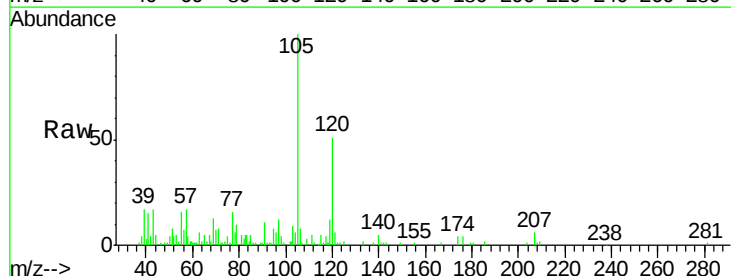
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-022019RE

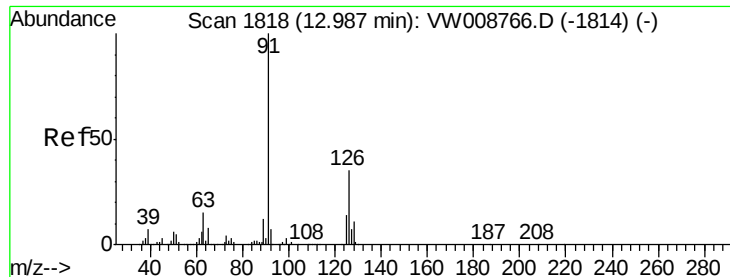
Tot Ion: 91 Resp: 6065
 Ion Ratio Lower Upper
 91 100
 126 0.5 17.0 51.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.306 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

Tgt Ion: 105 Resp: 18166
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.8 74.4

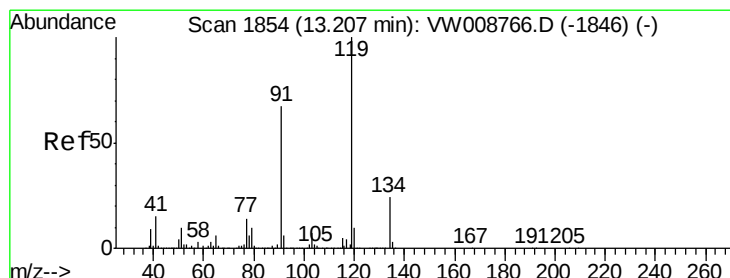
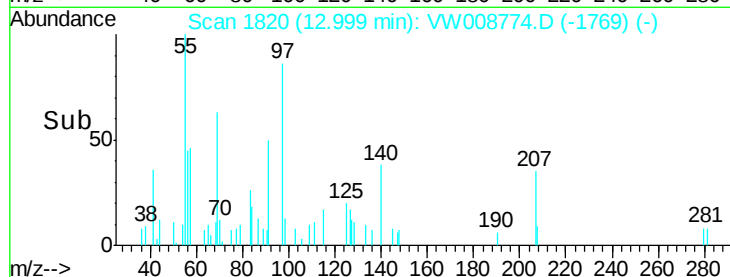
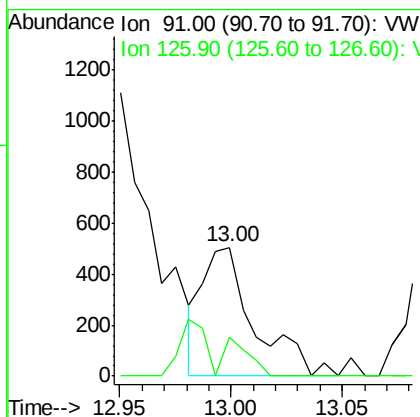
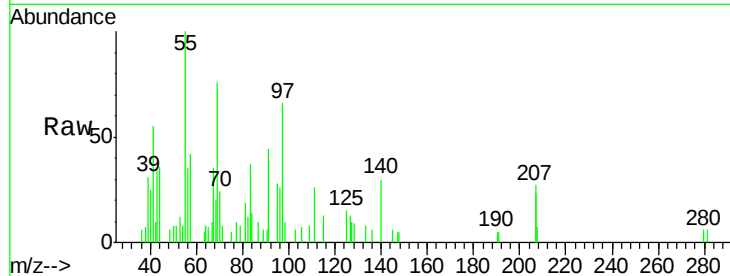




#82
4-Chlorotoluene
Concen: 0.069 ug/l
RT: 13.00 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

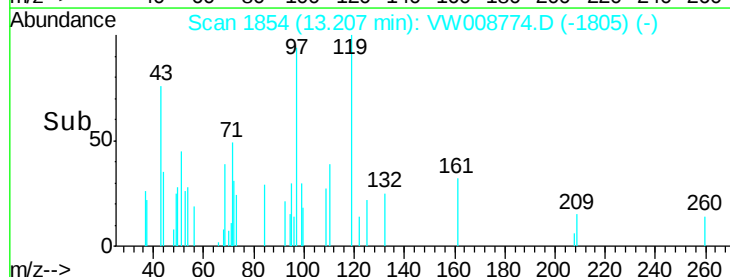
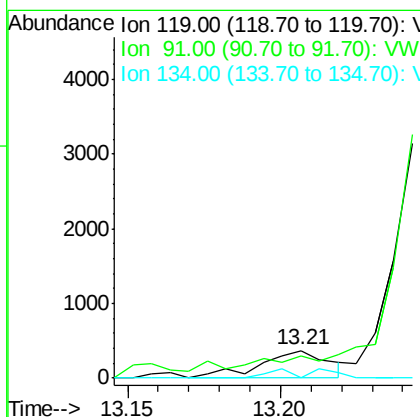
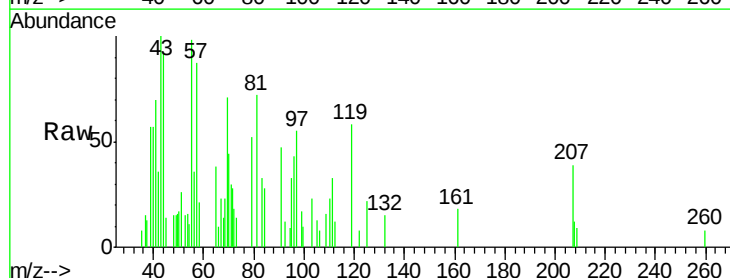
Instrument :
MSVOA_W
ClientSampleId :
HD-01-022019RE

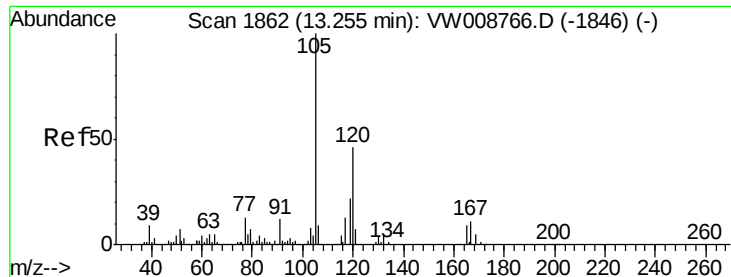
Tot Ion: 91 Resp: 813
Ion Ratio Lower Upper
91 100
126 14.5 17.2 51.6#



#83
tert-Butylbenzene
Concen: 0.048 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008774.D
Acq: 21 Feb 2019 17:17

Tgt Ion: 119 Resp: 579
Ion Ratio Lower Upper
119 100
91 0.0 33.6 100.8#
134 0.0 13.7 41.1#

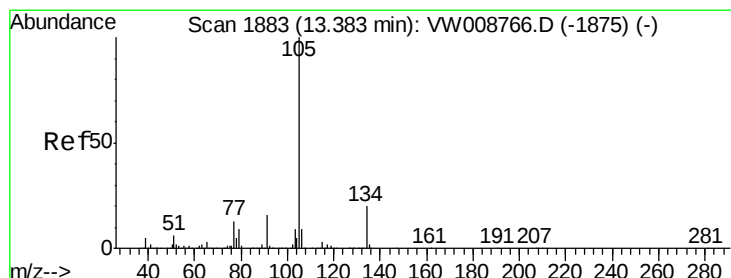
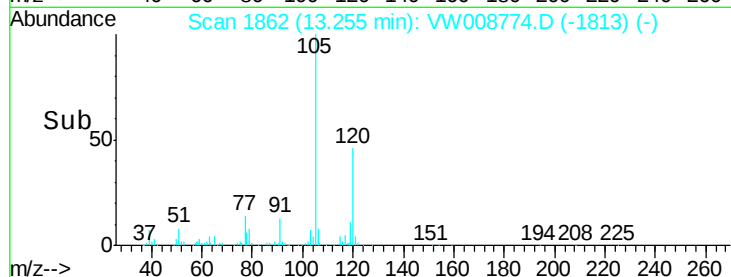
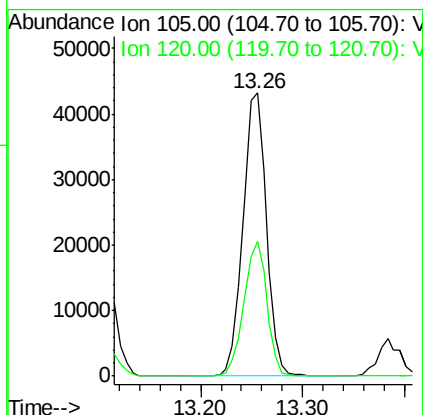
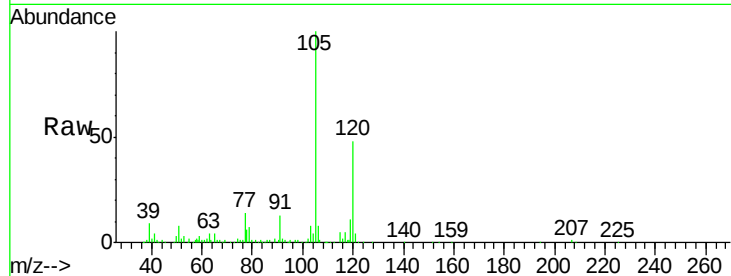




#84
 1,2,4-Trimethylbenzene
 Concen: 4.791 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

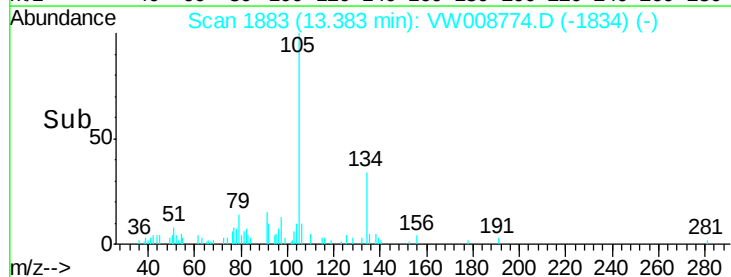
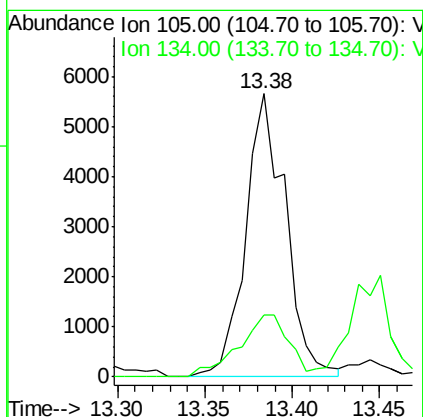
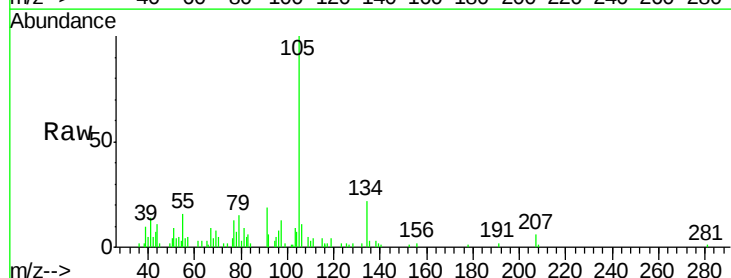
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-022019RE

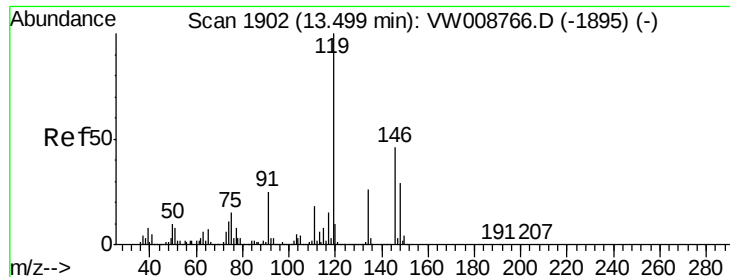
Tot Ion:105 Resp: 68987
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 0.517 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

Tgt Ion:105 Resp: 8946
 Ion Ratio Lower Upper
 105 100
 134 28.0 10.4 31.1

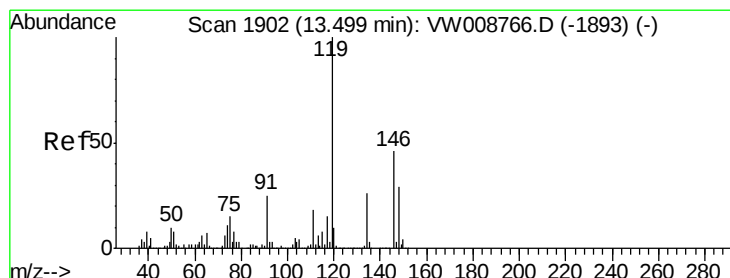
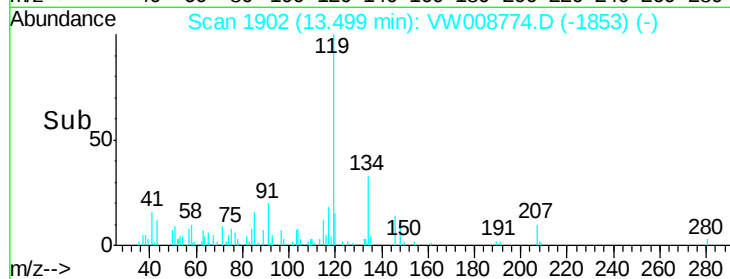
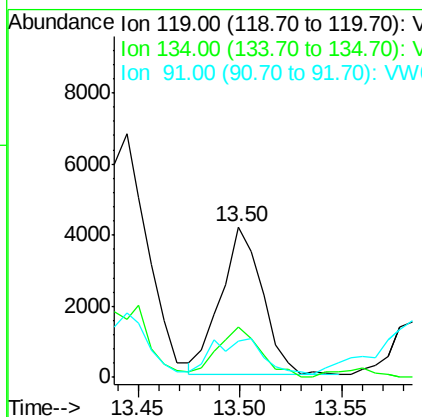
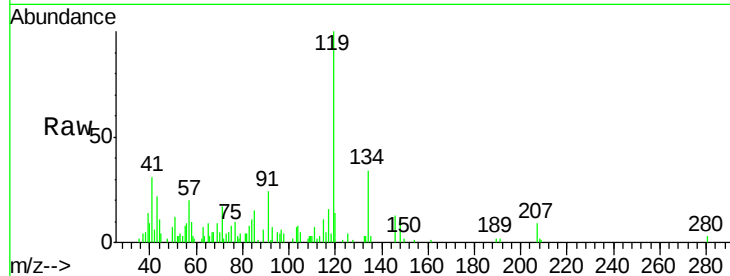




#86
 p-Isopropyltoluene
 Concen: 0.374 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

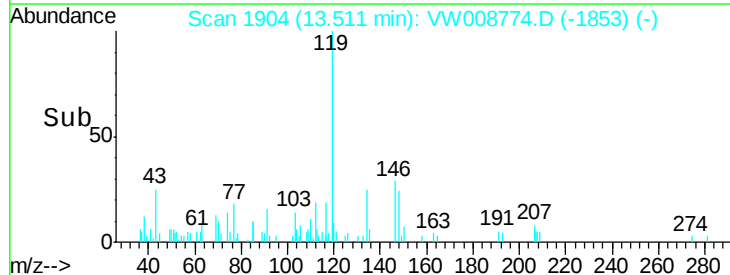
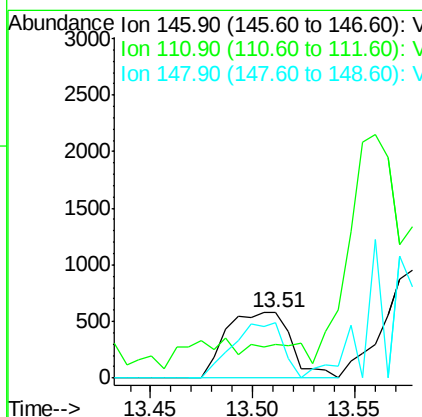
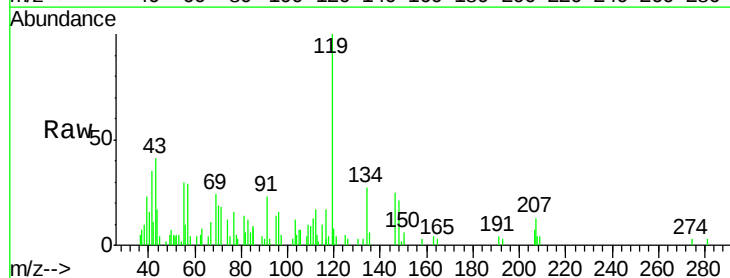
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-022019RE

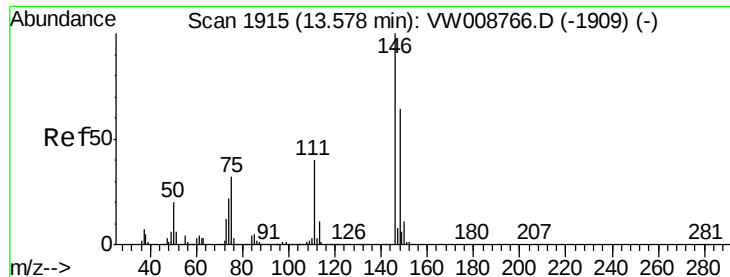
Tot Ion	Ratio	Lower	Upper
119	100		
134	34.7	13.1	39.3
91	28.4	12.1	36.3



#87
 1,3-Dichlorobenzene
 Concen: 0.163 ug/l
 RT: 13.51 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.9	59.7#
148	65.0	31.6	94.8





#88

1,4-Dichlorobenzene

Concen: 0.246 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

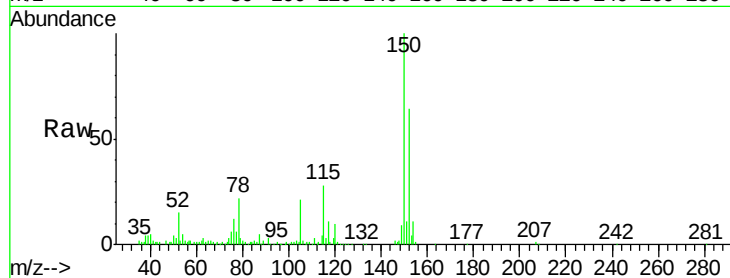
Tot Ion:146 Resp: 1901

Ion Ratio Lower Upper

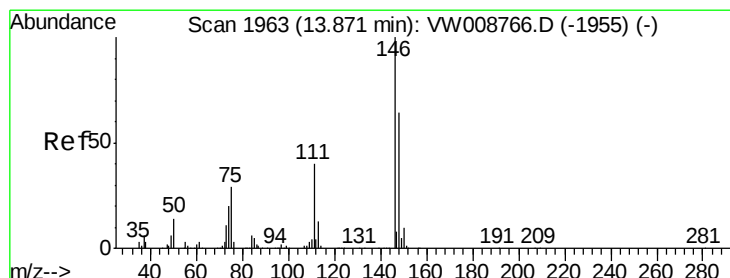
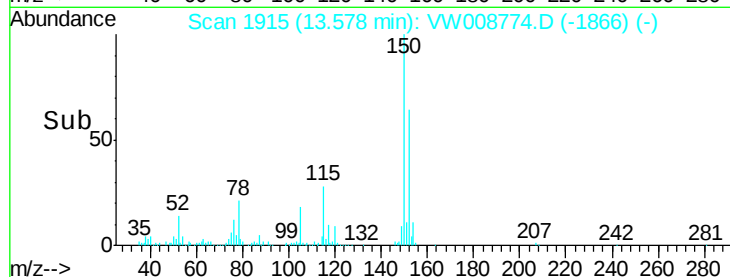
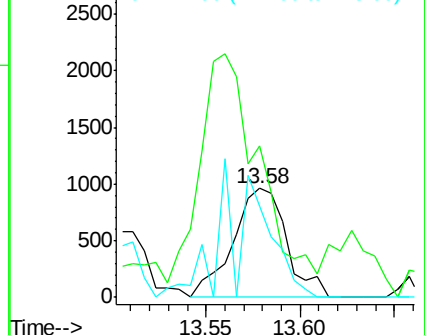
146 100

111 0.0 19.3 57.9#

148 59.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.144 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

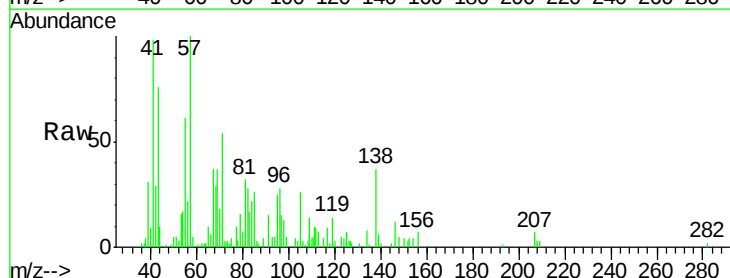
Tgt Ion:146 Resp: 1004

Ion Ratio Lower Upper

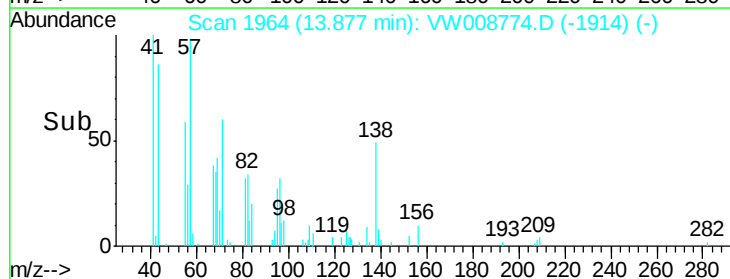
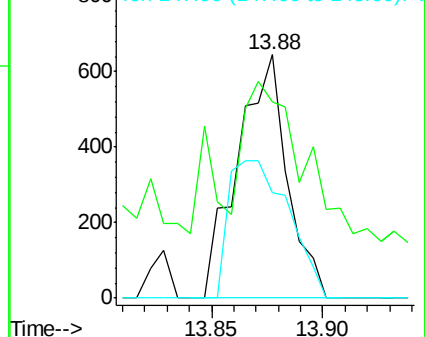
146 100

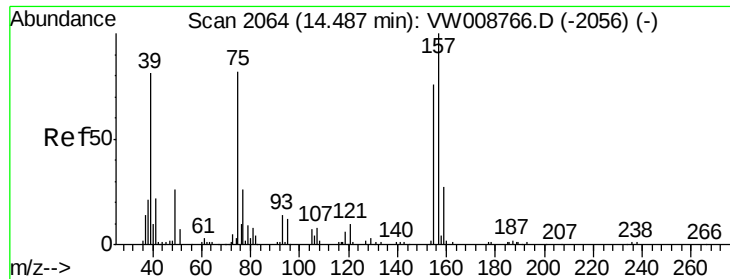
111 111.7 20.3 60.8#

148 67.7 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.928 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

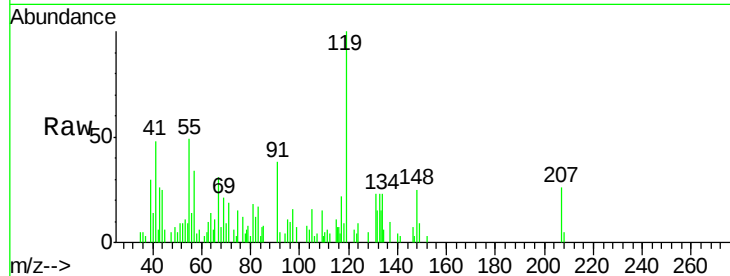
Tot Ion: 75 Resp: 439

Ion Ratio Lower Upper

75 100

155 0.0 41.8 125.4#

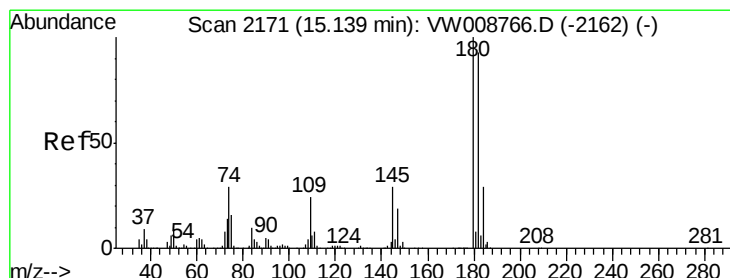
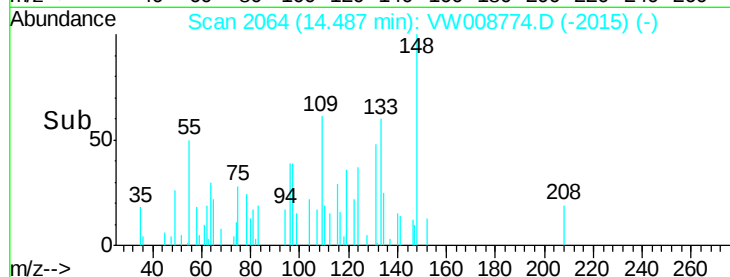
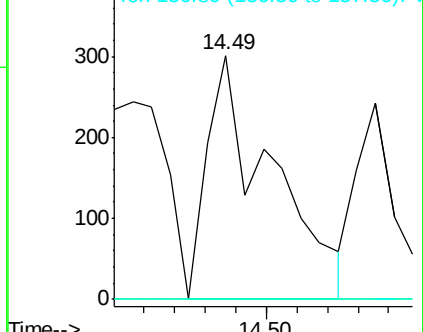
157 0.0 56.6 169.9#



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: 0.305 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

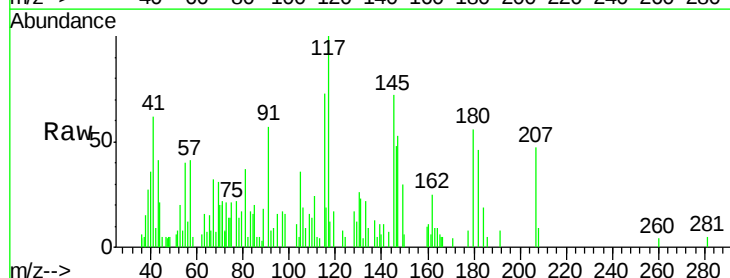
Tgt Ion: 180 Resp: 1535

Ion Ratio Lower Upper

180 100

182 101.5 47.2 141.6

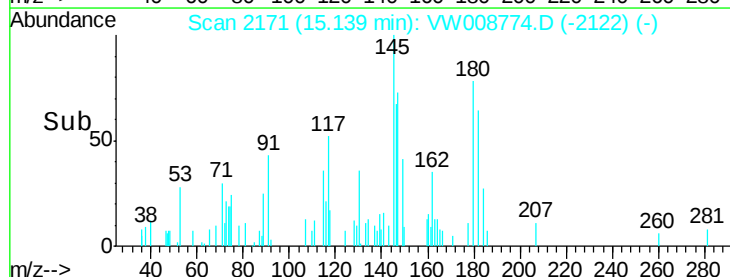
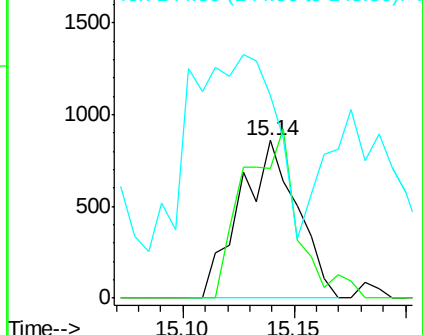
145 242.4 14.4 43.0#

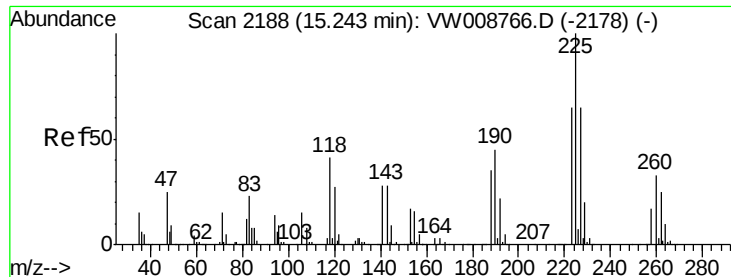


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.088 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

HD-01-022019RE

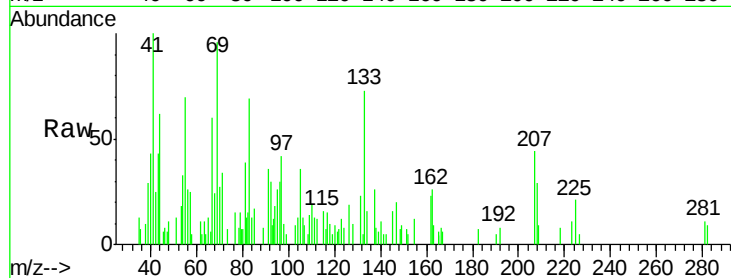
Tot Ion:225 Resp: 261

Ion Ratio Lower Upper

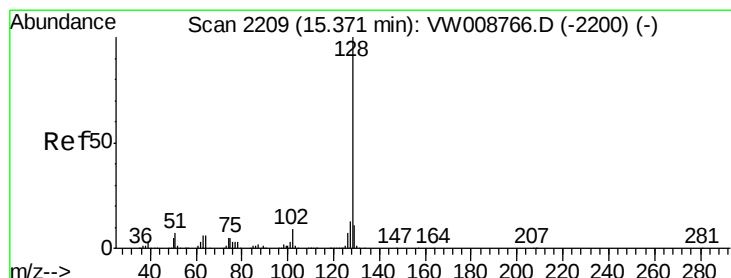
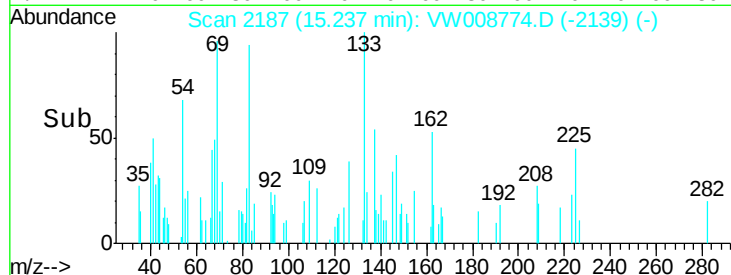
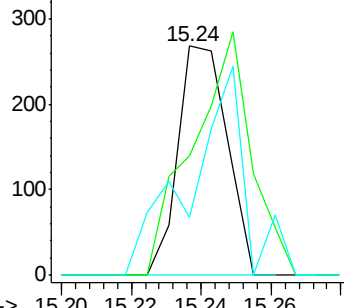
225 100

223 127.6 31.5 94.5#

227 103.1 31.6 94.8#



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: 16.824 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008774.D

Acq: 21 Feb 2019 17:17

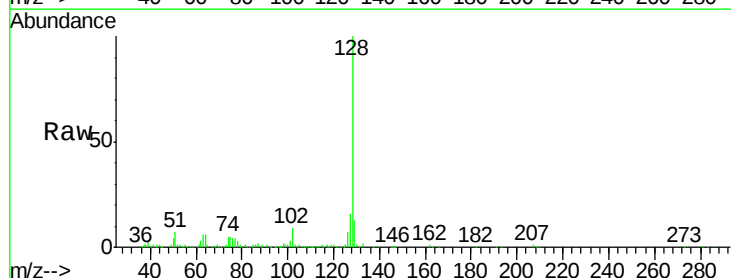
Tgt Ion:128 Resp: 144314

Ion Ratio Lower Upper

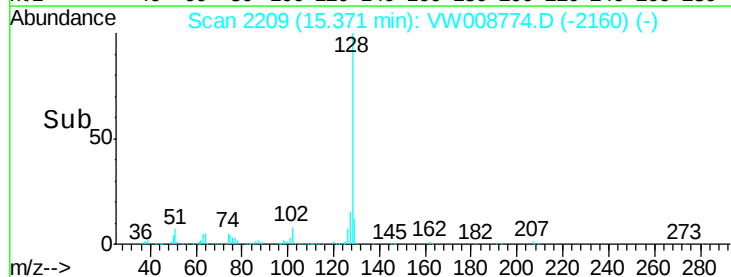
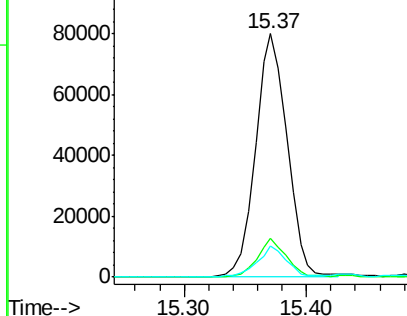
128 100

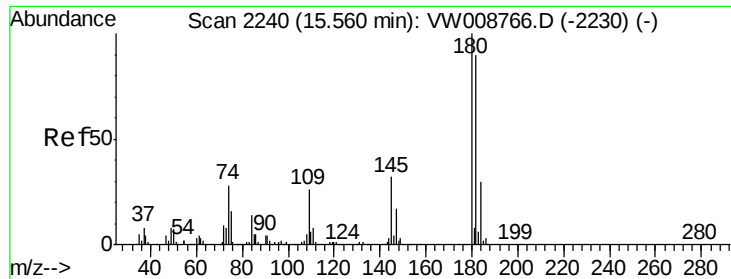
127 14.6 10.8 16.2

129 11.8 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

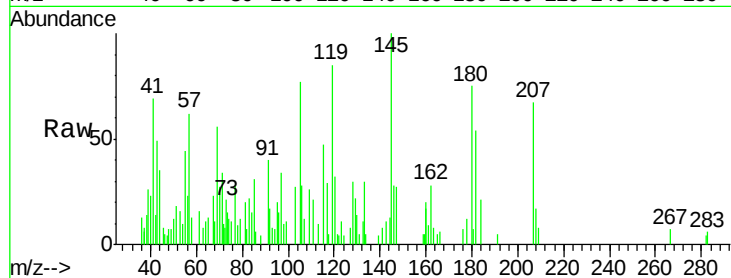




#96
 1,2,3-Trichlorobenzene
 Concen: 0.367 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW008774.D
 Acq: 21 Feb 2019 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-022019RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.8
145	0.0	15.9	47.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

