

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008195.D
 Acq On : 11 Jan 2019 15:47
 Operator : SY/VA
 Sample : VW0111SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

Manual Integrations
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 1/14/2019 2:41:53 PM

Quant Time: Jan 12 00:31:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	108986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	183710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	166431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	58252	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	7.88	113	57180	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	10.32	98	237583	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.62	95	81128	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	15558	17.491	ug/l	92
3) Chloromethane	2.21	50	22094	19.146	ug/l	100
4) Vinyl Chloride	2.37	62	29288	19.447	ug/l	99
5) Bromomethane	2.79	94	23900	21.184	ug/l	93
6) Chloroethane	2.92	64	20513	18.100	ug/l	100
7) Trichlorofluoromethane	3.26	101	24338	19.877	ug/l	93
8) Diethyl Ether	3.68	74	14016	20.249	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	24490	20.146	ug/l	93
10) Methyl Iodide	4.26	142	37440	21.132	ug/l	100
11) Tert butyl alcohol	5.23	59	7182m	76.875	ug/l	
12) 1,1-Dichloroethene	4.03	96	24425	20.465	ug/l	99
13) Acrolein	3.90	56	6597	79.878	ug/l	95
14) Allyl chloride	4.66	41	43700	20.167	ug/l	98
15) Acrylonitrile	5.38	53	26304	99.815	ug/l	98
16) Acetone	4.14	43	26485	108.302	ug/l	94
17) Carbon Disulfide	4.37	76	75111	20.146	ug/l	99
18) Methyl Acetate	4.67	43	14550	18.794	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	39908	20.568	ug/l	95
20) Methylene Chloride	4.91	84	31200	23.303	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	26271	20.255	ug/l	94
22) Diisopropyl ether	6.31	45	82623	19.992	ug/l	98
23) Vinyl Acetate	6.26	43	219664	101.204	ug/l	100
24) 1,1-Dichloroethane	6.21	63	47976	19.924	ug/l	97
25) 2-Butanone	7.17	43	34689	101.784	ug/l	100
26) 2,2-Dichloropropane	7.17	77	32922	20.178	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	28677	20.265	ug/l	96
28) Bromochloromethane	7.51	49	19046	19.997	ug/l	93
29) Tetrahydrofuran	7.54	42	21118	92.763	ug/l	96
30) Chloroform	7.67	83	46578	20.322	ug/l	99
31) Cyclohexane	7.95	56	48233	18.711	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	41334	20.726	ug/l	99
36) 1,1-Dichloropropene	8.09	75	39154	20.690	ug/l	99
37) Ethyl Acetate	7.26	43	14829	19.559	ug/l	97
38) Carbon Tetrachloride	8.06	117	37181	21.466	ug/l	89

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	48535	20.227	ug/l	93
40) Benzene	8.32	78	110427	21.514	ug/l	98
41) Methacrylonitrile	7.48	41	9626	20.099	ug/l	94
42) 1,2-Dichloroethane	8.40	62	30100	20.851	ug/l	99
43) Isopropyl Acetate	8.42	43	30221	19.937	ug/l	98
44) Trichloroethene	9.09	130	28612	21.776	ug/l	98
45) 1,2-Dichloropropane	9.37	63	26275	20.645	ug/l	95
46) Dibromomethane	9.46	93	13357	21.370	ug/l	95
47) Bromodichloromethane	9.64	83	33792	21.292	ug/l #	98
48) Methyl methacrylate	9.44	41	14151	19.784	ug/l	93
49) 1,4-Dioxane	9.48	88	3902	388.198	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	73745	100.504	ug/l	99
52) Toluene	10.39	92	70560	21.526	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	34030	20.614	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	40420	20.648	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	19035	21.691	ug/l	98
56) Ethyl methacrylate	10.65	69	21675	19.945	ug/l	98
57) 1,3-Dichloropropane	10.93	76	33933	21.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	58809	104.761	ug/l	98
59) 2-Hexanone	10.97	43	51693	104.179	ug/l	98
60) Dibromochloromethane	11.13	129	21708	22.527	ug/l	100
61) 1,2-Dibromoethane	11.24	107	18565	22.296	ug/l	99
64) Tetrachloroethene	10.86	164	23479	21.677	ug/l	89
65) Chlorobenzene	11.66	112	74069	21.007	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	25214	21.986	ug/l	99
67) Ethyl Benzene	11.73	91	130459	20.221	ug/l	98
68) m/p-Xylenes	11.84	106	103949	42.213	ug/l	97
69) o-Xylene	12.17	106	47469	20.816	ug/l	97
70) Styrene	12.18	104	77033	21.567	ug/l	98
71) Bromoform	12.35	173	11829	23.047	ug/l #	96
73) Isopropylbenzene	12.47	105	131344	20.385	ug/l	100
74) N-amyl acetate	12.27	43	27170	19.041	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	20923	20.287	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	15702m	20.988	ug/l	
77) Bromobenzene	12.75	156	29233	21.472	ug/l	91
78) n-propylbenzene	12.81	91	160364	20.313	ug/l	99
79) 2-Chlorotoluene	12.90	91	88688	20.135	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	109883	20.753	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	6658	20.724	ug/l	96
82) 4-Chlorotoluene	12.99	91	94808	20.438	ug/l	97
83) tert-Butylbenzene	13.21	119	96630	20.629	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	111086	20.342	ug/l	100
85) sec-Butylbenzene	13.39	105	141310	20.594	ug/l	99
86) p-Isopropyltoluene	13.51	119	121960	20.583	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	58557	21.203	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	58131	20.979	ug/l	99
89) n-Butylbenzene	13.83	91	119076	20.518	ug/l	99
90) Hexachloroethane	14.10	117	21218	21.200	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	51195	21.093	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3450	20.786	ug/l	88

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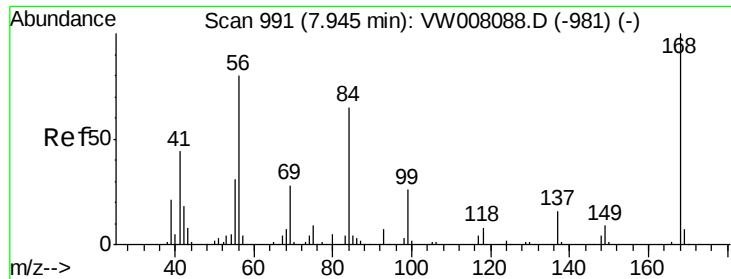
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33203	20.605	ug/l	99
94) Hexachlorobutadiene	15.24	225	19291	22.366	ug/l	98
95) Naphthalene	15.38	128	59164	19.663	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	28488	20.738	ug/l	98

(#) = 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. 0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion:168 Resp: 108986

Ion Ratio Lower Upper

168 100

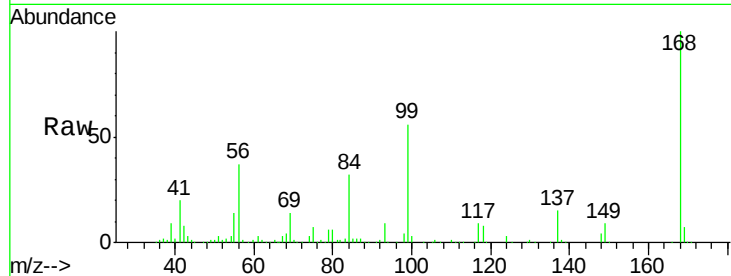
99 55.3 52.6 78.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

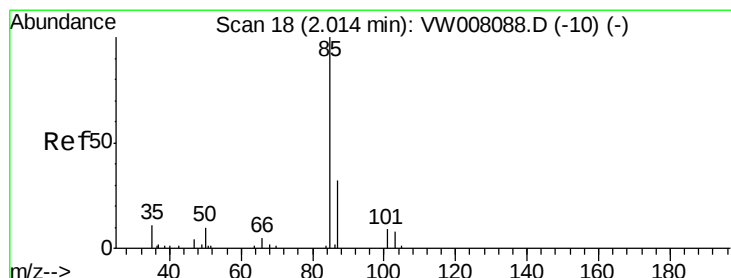
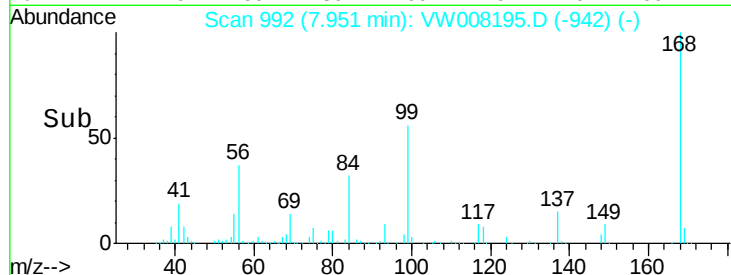
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 17.491 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008195.D

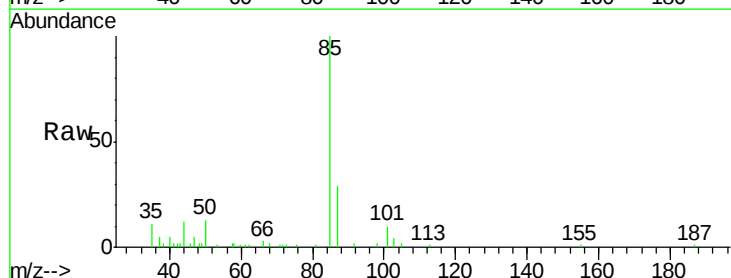
Acq: 11 Jan 2019 15:47

Tgt Ion: 85 Resp: 15558

Ion Ratio Lower Upper

85 100

87 27.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

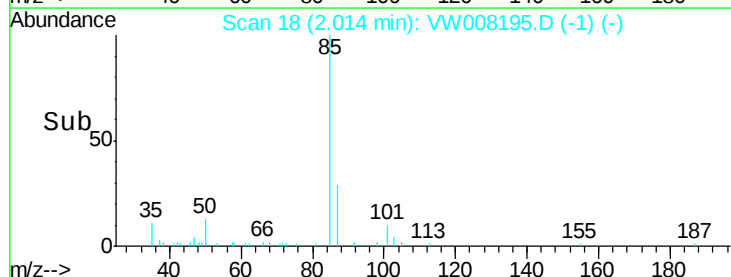
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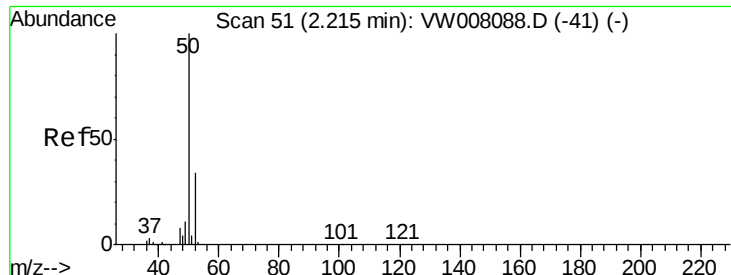
2000

0

Time-->

1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 19.146 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion: 50 Resp: 22094

Ion Ratio Lower Upper

50 100

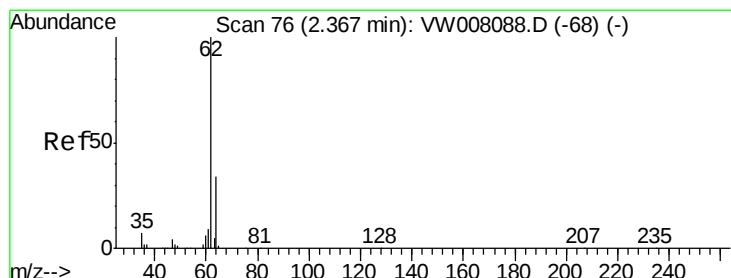
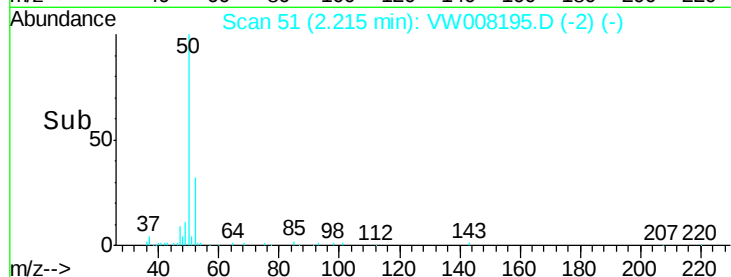
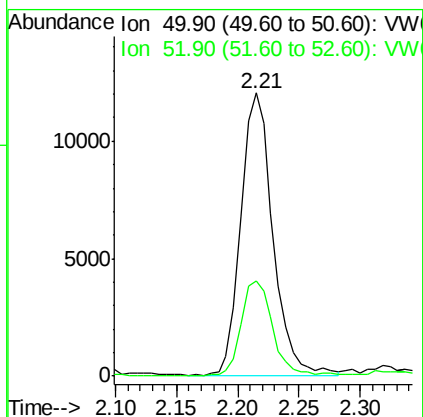
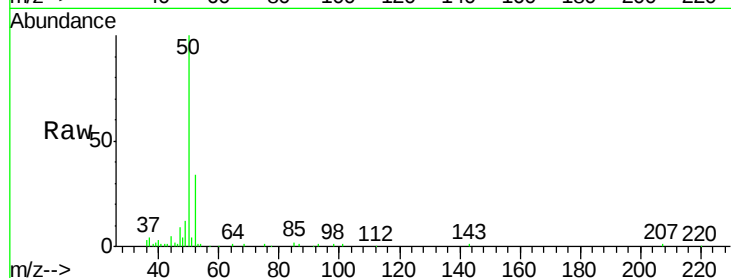
52 33.6 26.8 40.2

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#4

Vinyl Chloride

Concen: 19.447 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008195.D

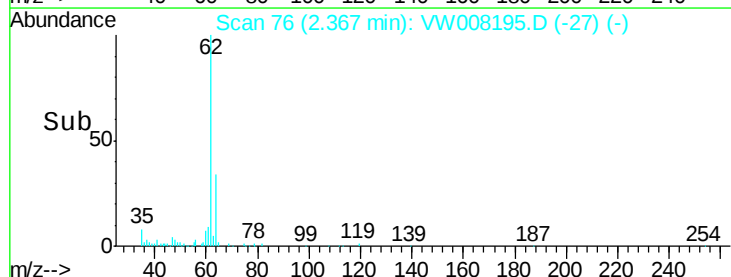
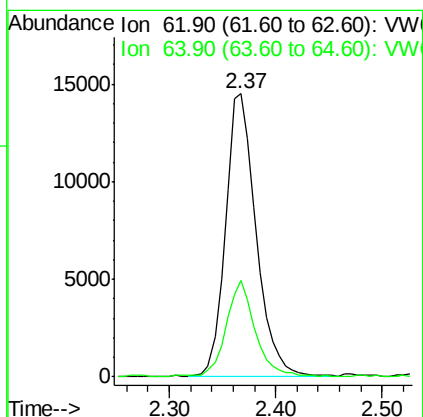
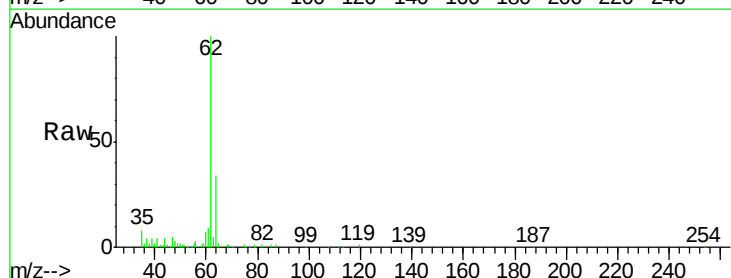
Acq: 11 Jan 2019 15:47

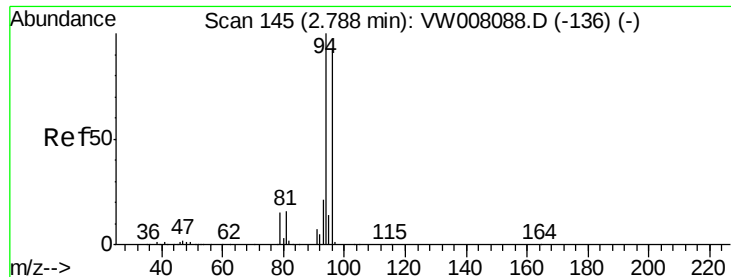
Tgt Ion: 62 Resp: 29288

Ion Ratio Lower Upper

62 100

64 34.3 27.0 40.6





#5

Bromomethane

Concen: 21.184 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion: 94 Resp: 23900

Ion Ratio Lower Upper

94 100

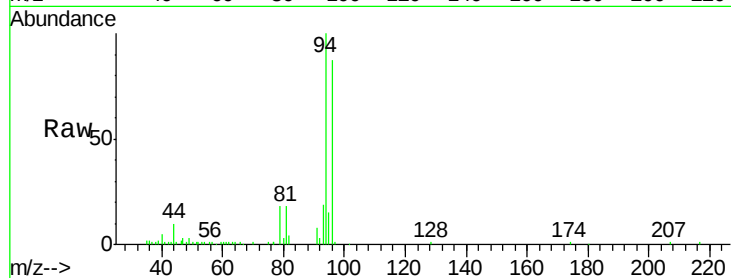
96 86.1 74.1 111.1

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

12000

10000

8000

6000

4000

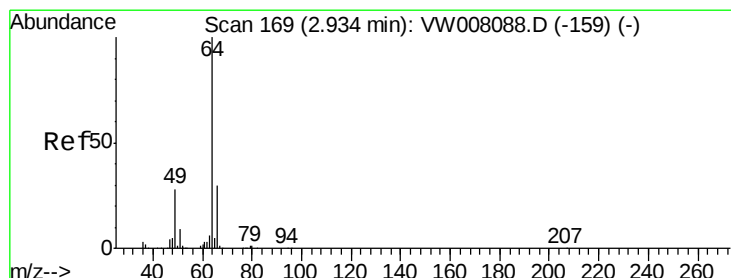
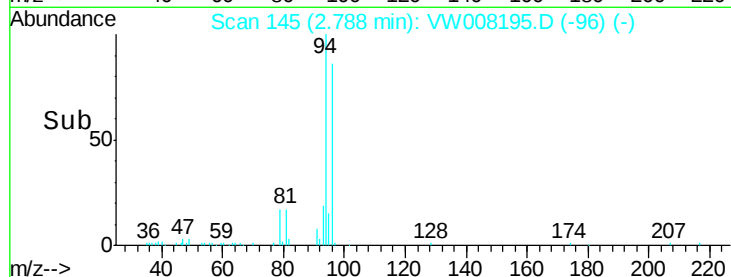
2000

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Time-->

2.70 2.75 2.80 2.85 2.90

2.79



#6

Chloroethane

Concen: 18.100 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008195.D

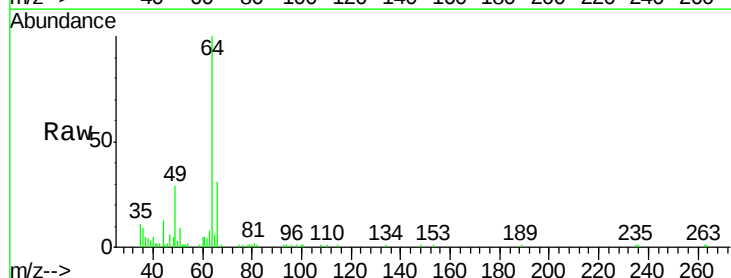
Acq: 11 Jan 2019 15:47

Tgt Ion: 64 Resp: 20513

Ion Ratio Lower Upper

64 100

66 30.1 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

8000

6000

4000

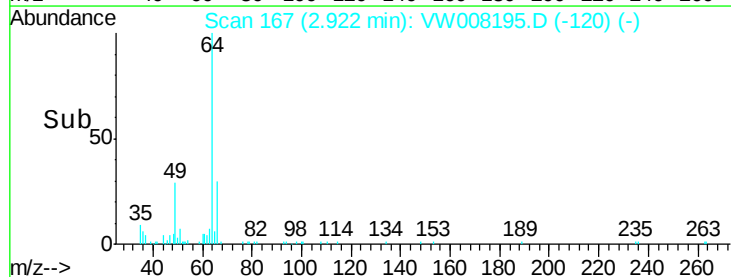
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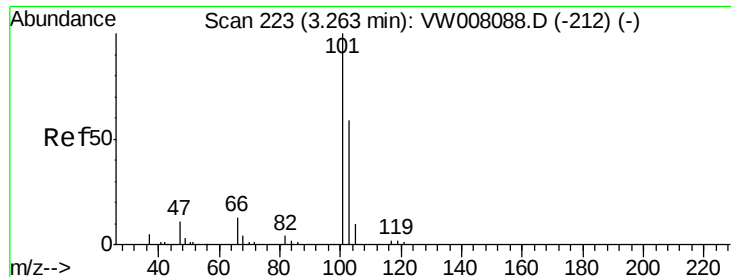
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Time-->

2.80 2.90 3.00

2.92





#7

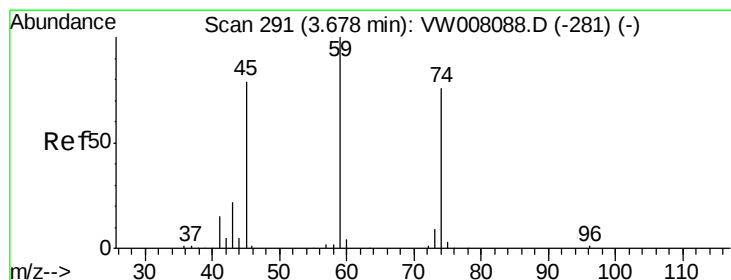
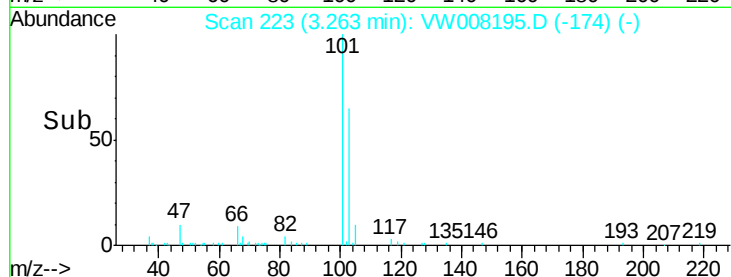
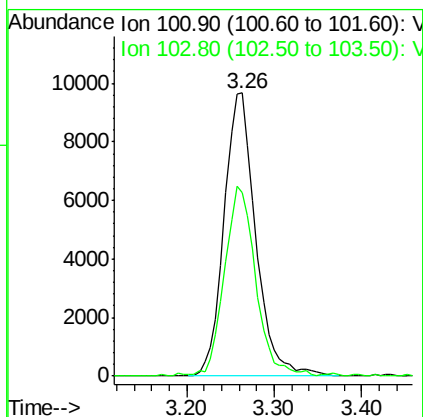
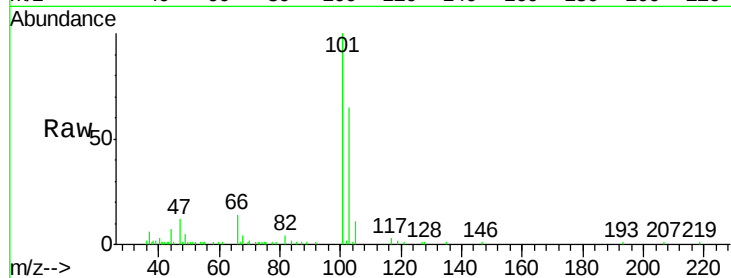
Trichlorofluoromethane
Concen: 19.877 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
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ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	47.0	70.6

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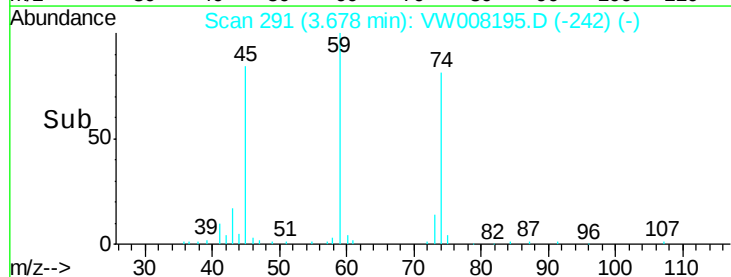
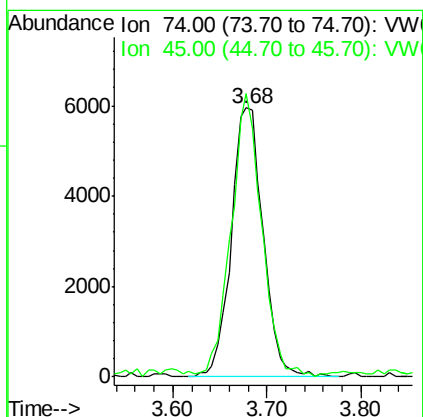
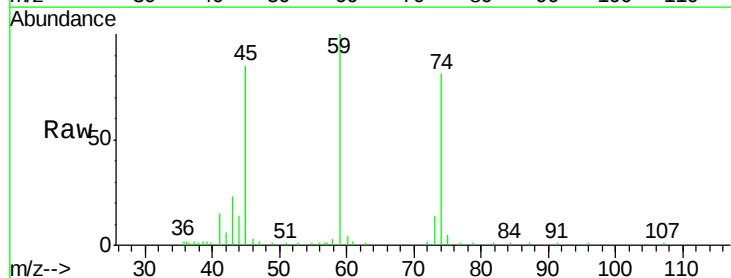
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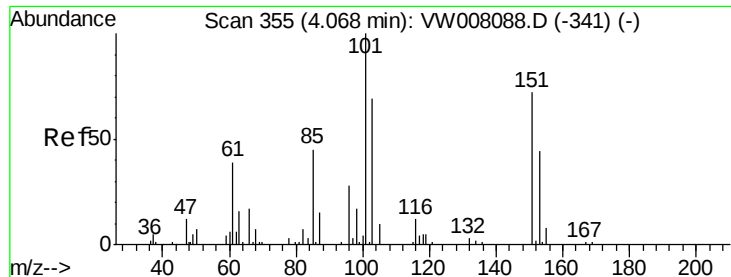


#8

Diethyl Ether
Concen: 20.249 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.146 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

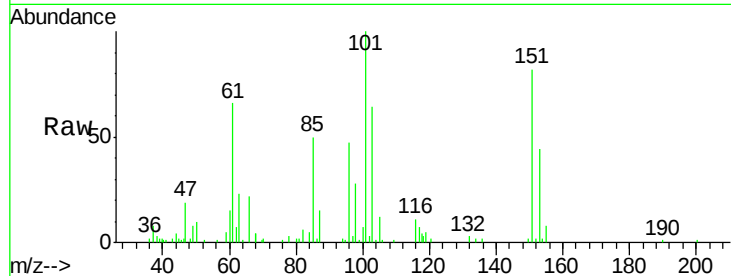
ClientSampleId :

VW0111SBSD01

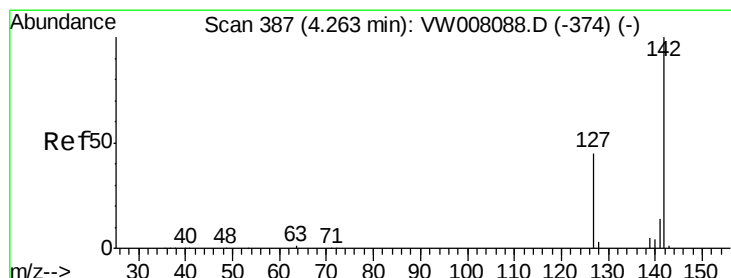
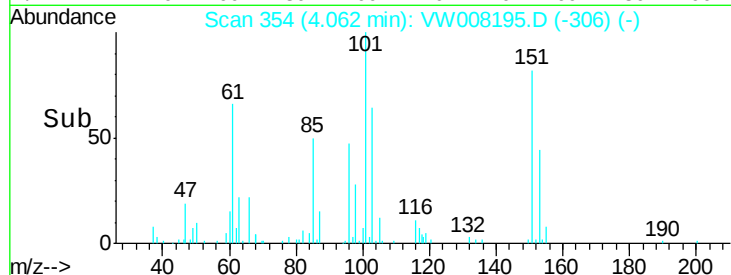
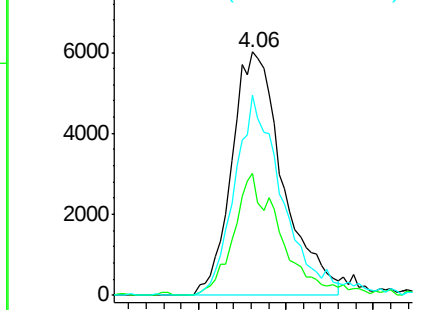
Tot Ion:	101	Resp:	24490
Ion Ratio	Lower	Upper	
101	100		
85	46.5	35.9	53.9
151	78.0	55.8	83.8

Manual Integrations
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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: 21.132 ug/l

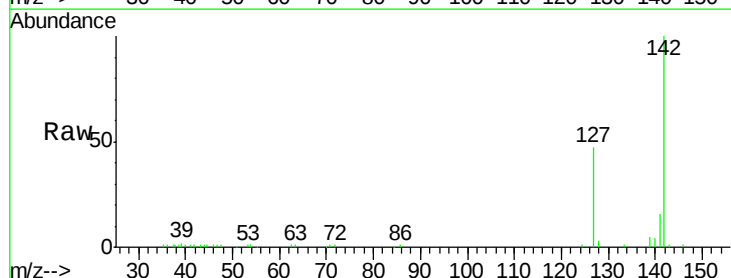
RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

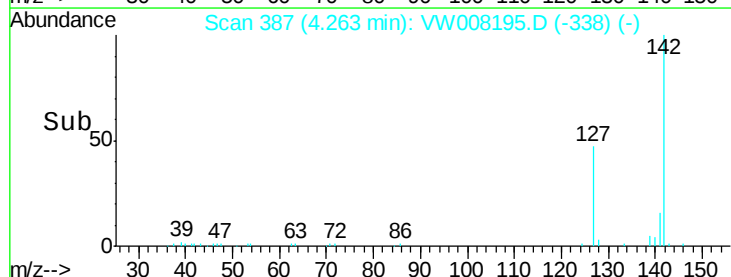
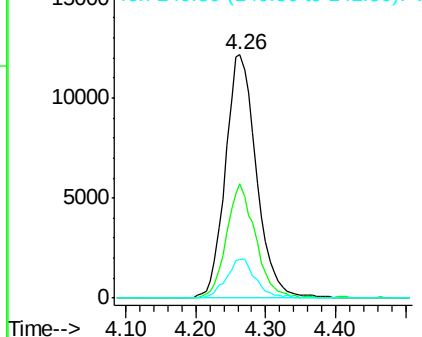
Lab File: VW008195.D

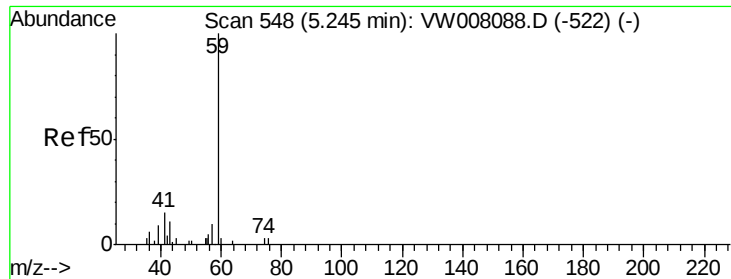
Acq: 11 Jan 2019 15:47

Tgt Ion:	142	Resp:	37440
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.0	52.4
141	15.2	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





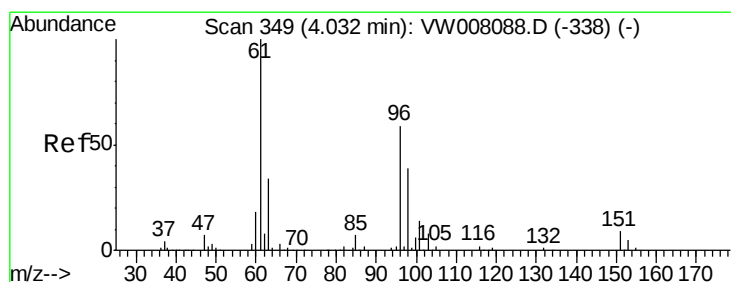
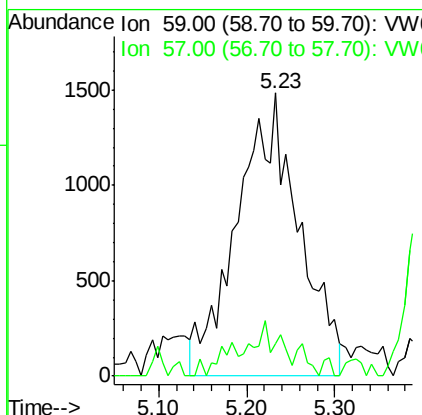
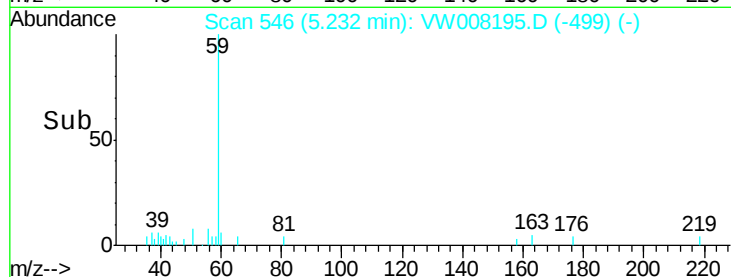
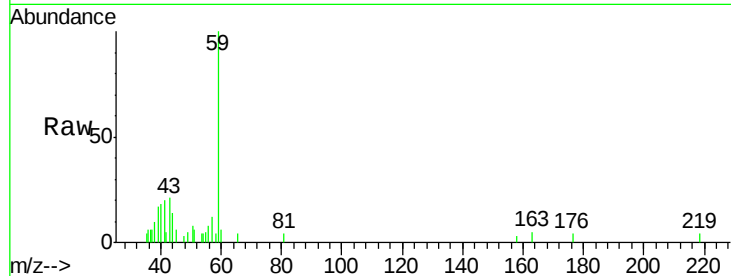
#11
Tert butyl alcohol
Concen: 76.875 ug/l m
RT: 5.23 min Scan# 546
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion: 59 Resp: 7182
Ion Ratio Lower Upper
59 100
57 7.5 0.0 0.0#

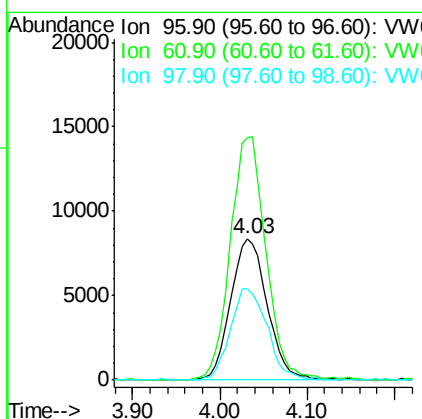
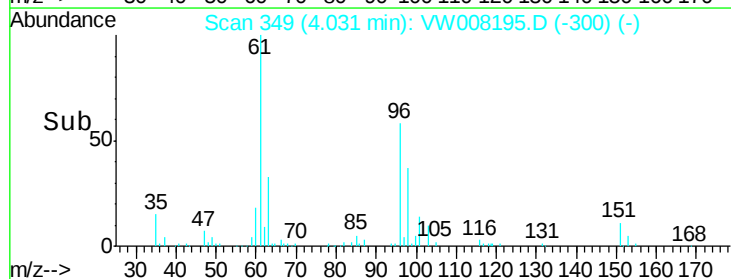
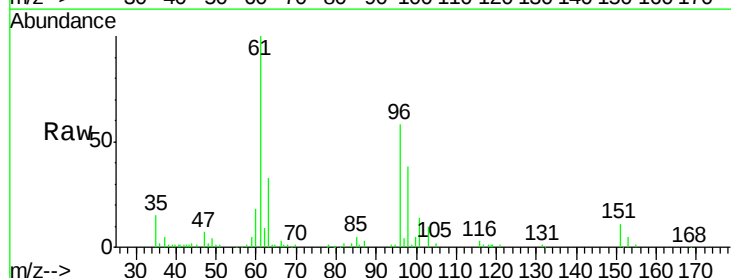
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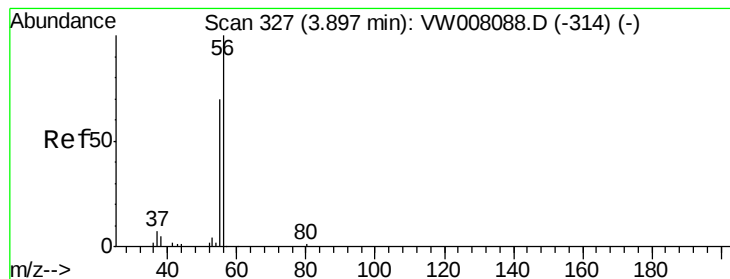
apatel
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#12
1,1-Dichloroethene
Concen: 20.465 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion: 96 Resp: 24425
Ion Ratio Lower Upper
96 100
61 171.4 135.4 203.2
98 64.8 52.5 78.7





#13

Acrolein

Concen: 79.878 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion: 56 Resp: 6597

Ion Ratio Lower Upper

56 100

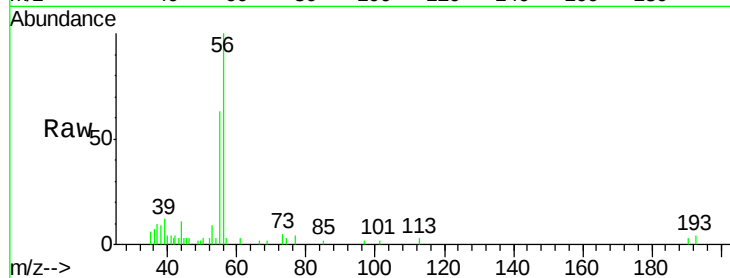
55 66.6 56.6 84.8

Manual Integrations

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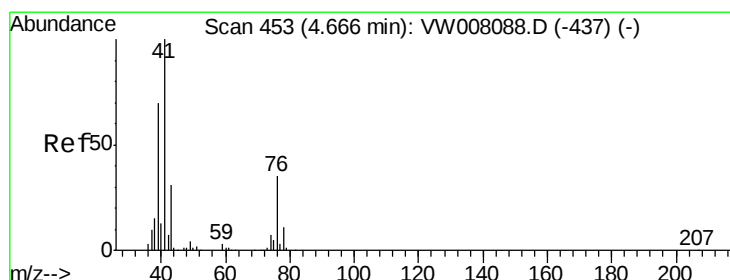
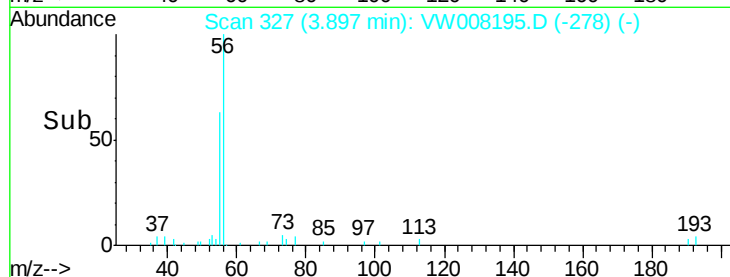
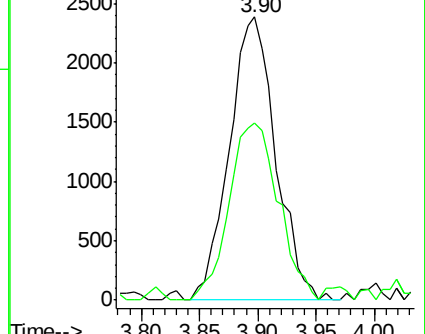
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.167 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

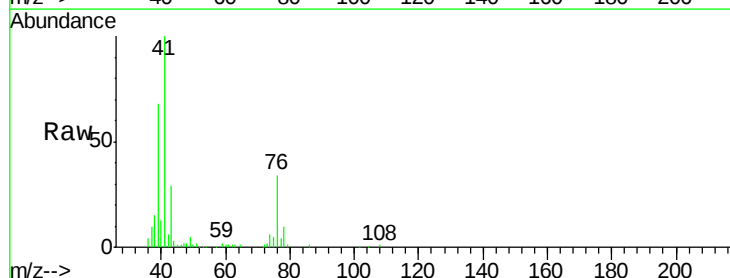
Tgt Ion: 41 Resp: 43700

Ion Ratio Lower Upper

41 100

39 65.8 53.8 80.8

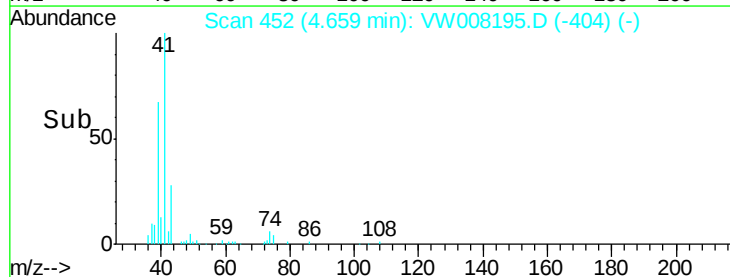
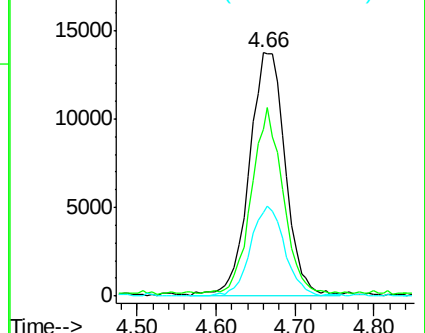
76 35.1 27.6 41.4

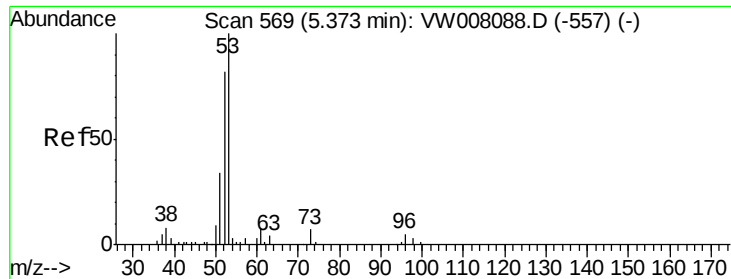


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.815 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

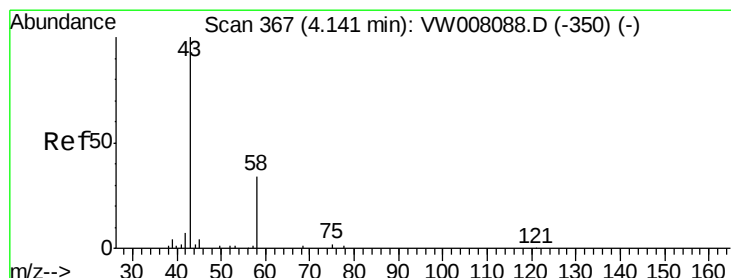
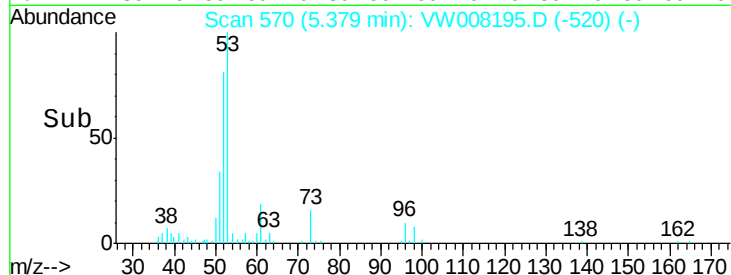
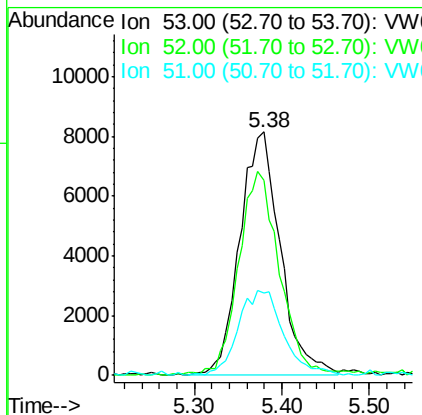
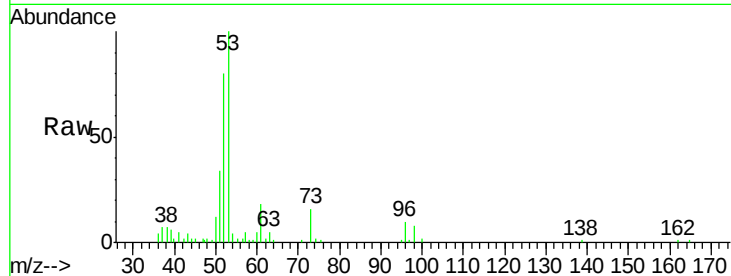
ClientSampleId :

VW0111SBSD01

Tot Ion:	53	Resp:	26304
Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.8	100.2
51	38.9	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 108.302 ug/l

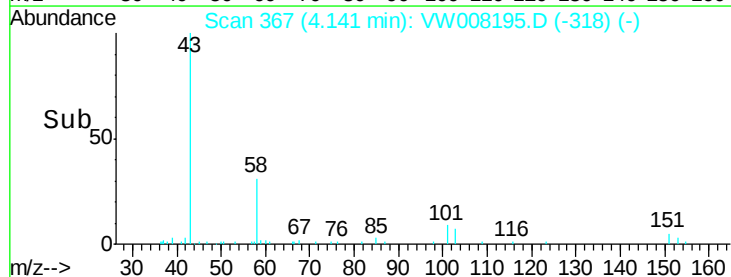
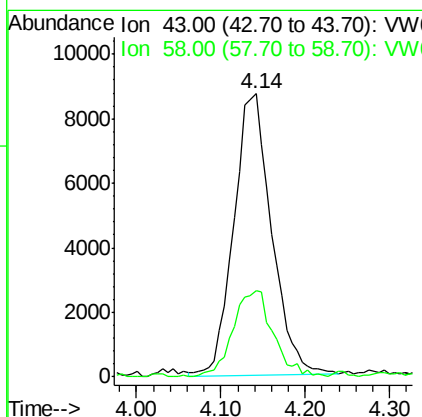
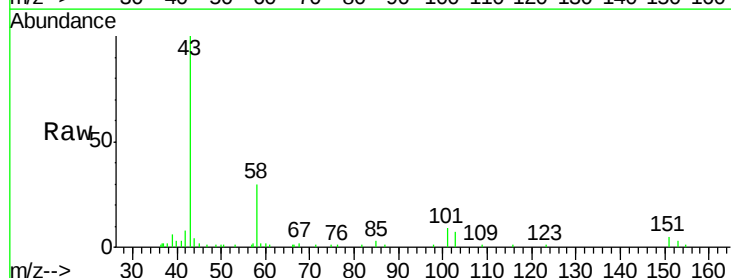
RT: 4.14 min Scan# 367

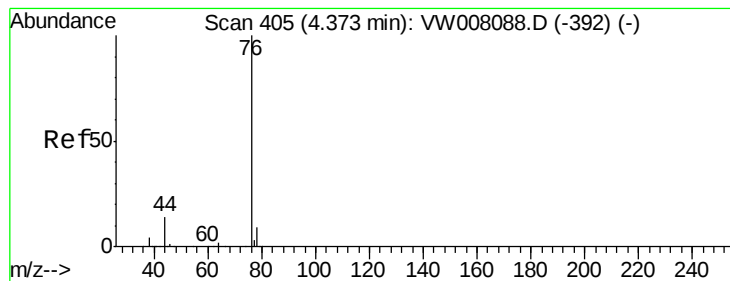
Delta R.T. 0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Tgt Ion:	43	Resp:	26485
Ion	Ratio	Lower	Upper
43	100		
58	30.8	27.5	41.3





#17

Carbon Disulfide

Concen: 20.146 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion: 76 Resp: 75111

Ion Ratio Lower Upper

76 100

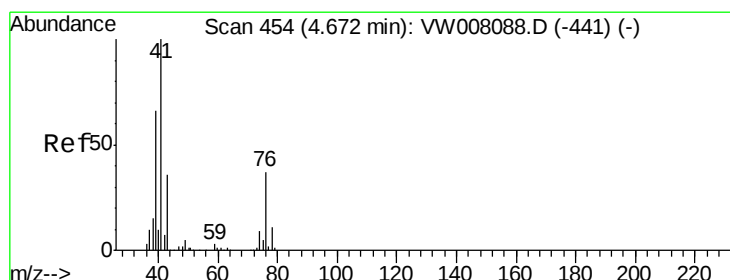
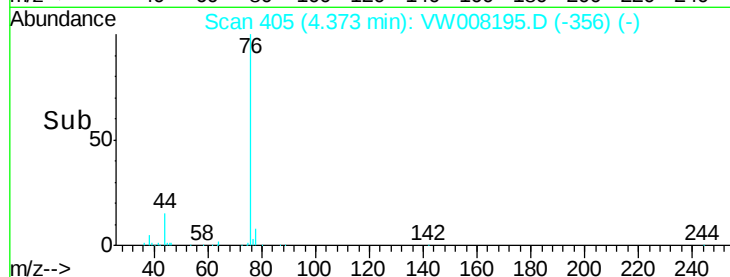
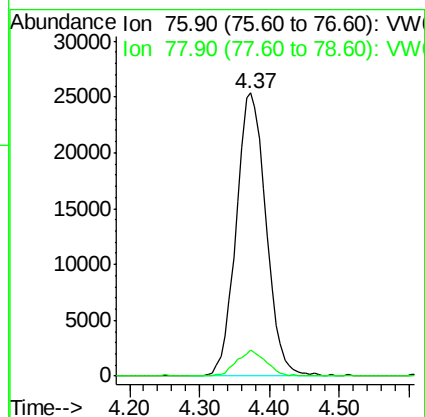
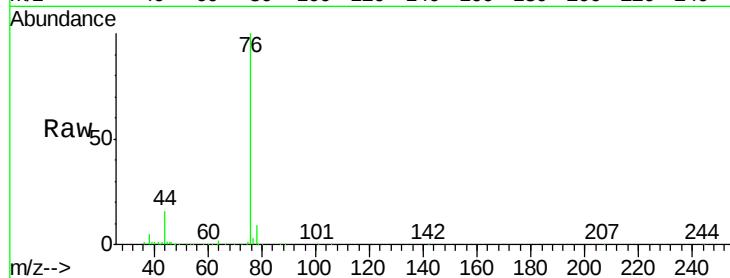
78 9.1 7.0 10.6

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#18

Methyl Acetate

Concen: 18.794 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008195.D

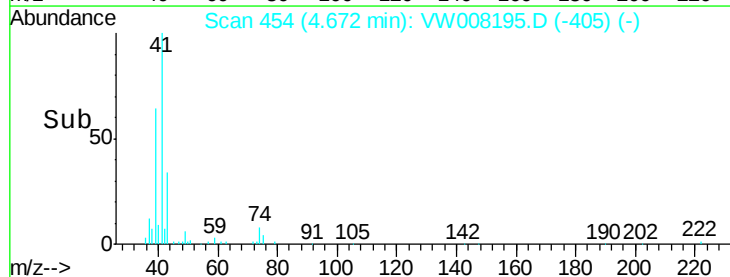
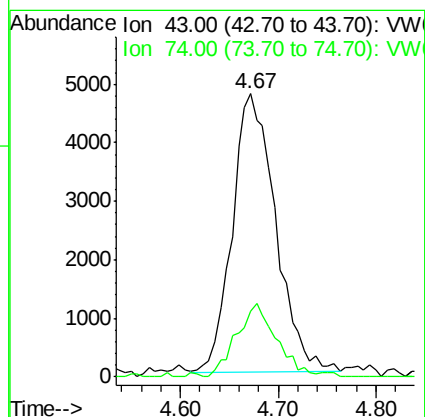
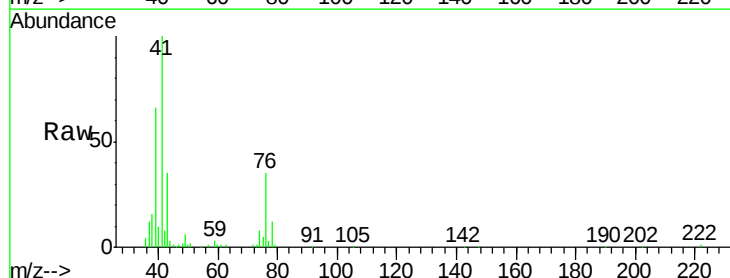
Acq: 11 Jan 2019 15:47

Tgt Ion: 43 Resp: 14550

Ion Ratio Lower Upper

43 100

74 24.3 19.0 28.4





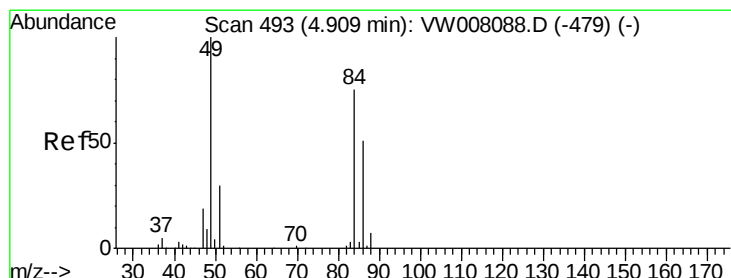
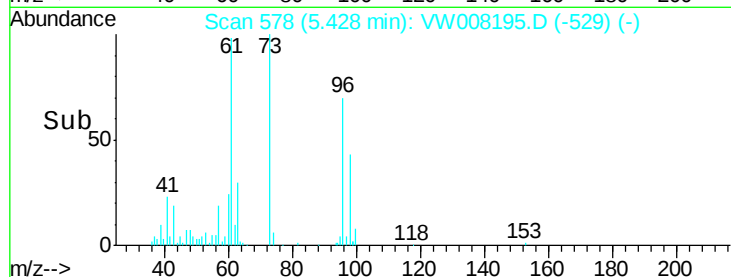
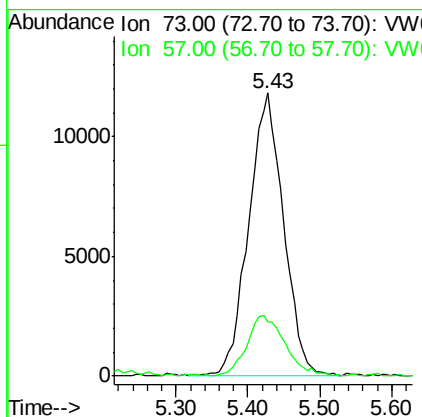
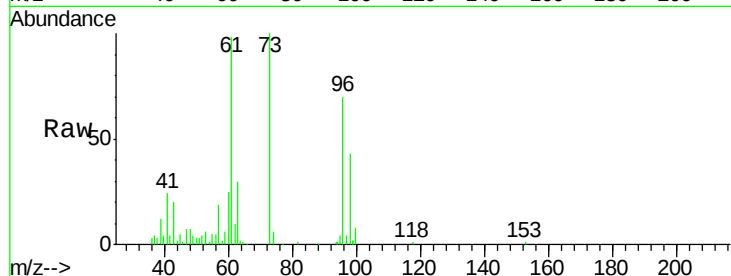
#19
Methyl tert-butyl Ether
Concen: 20.568 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	16.7	25.1

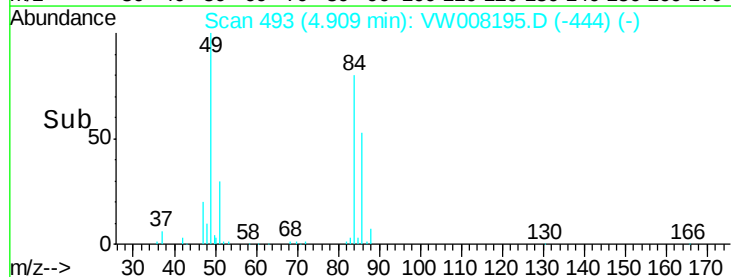
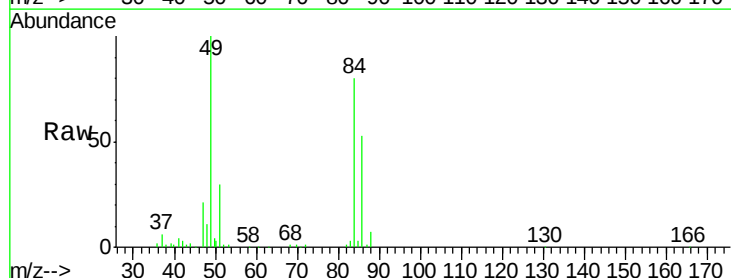
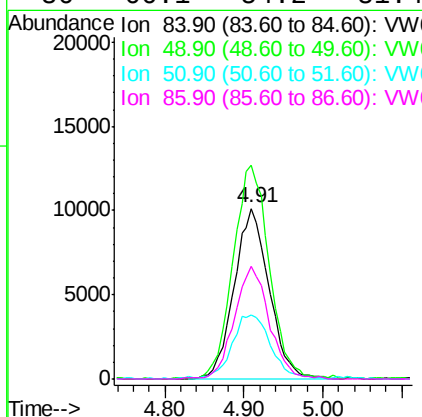
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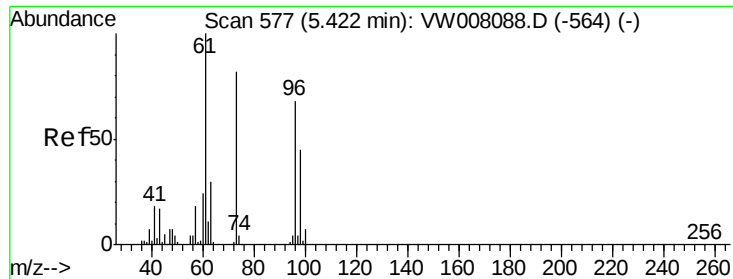
apatel
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#20
Methylene Chloride
Concen: 23.303 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.4	107.1	160.7
51	36.1	32.4	48.6
86	66.1	54.2	81.4





#21

trans-1,2-Dichloroethene

Concen: 20.255 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

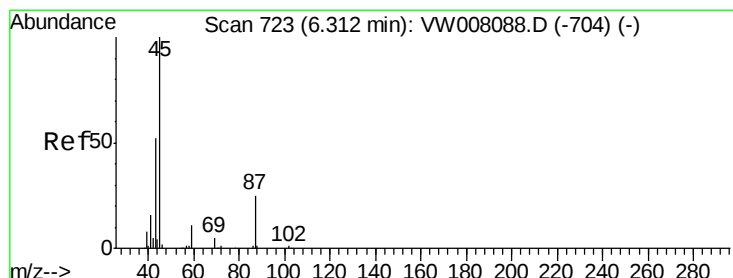
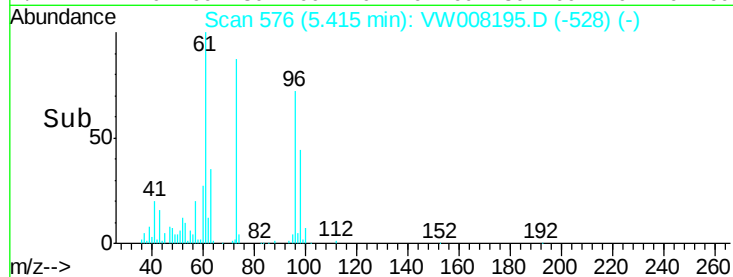
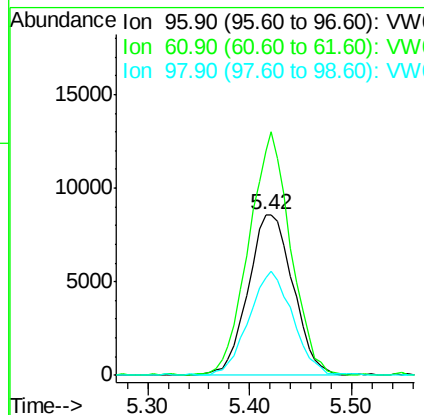
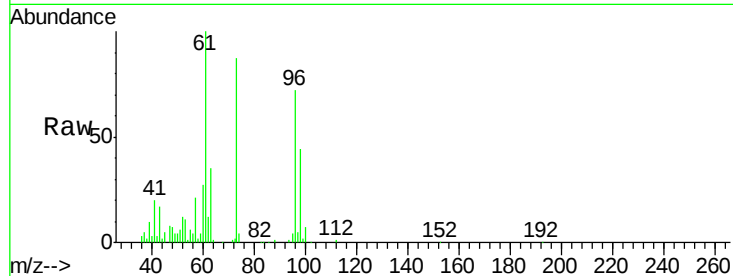
ClientSampleId :

VW0111SBSD01

Tot Ion:	96	Resp:	26271
Ion	Ratio	Lower	Upper
96	100		
61	139.2	117.4	176.0
98	60.3	52.2	78.4

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#22

Diisopropyl ether

Concen: 19.992 ug/l

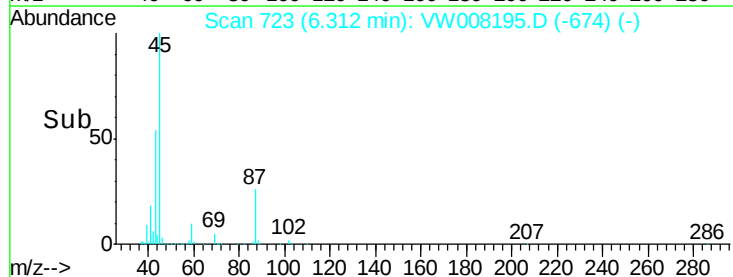
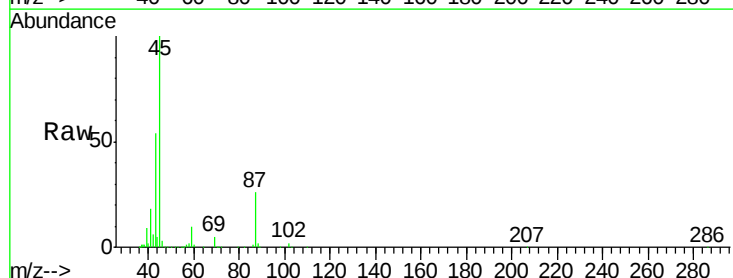
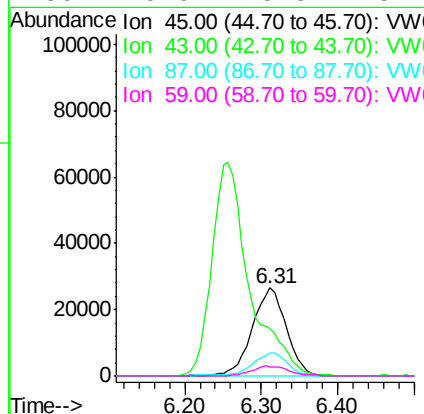
RT: 6.31 min Scan# 723

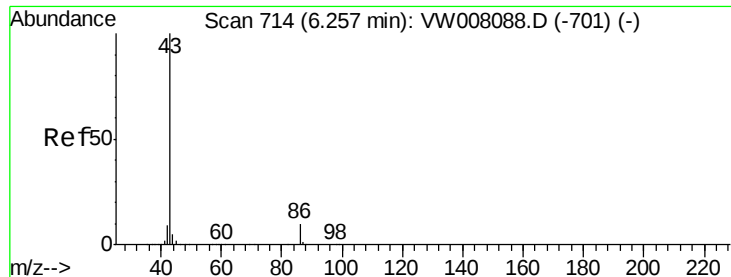
Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Tgt Ion:	45	Resp:	82623
Ion	Ratio	Lower	Upper
45	100		
43	53.3	41.7	62.5
87	26.1	20.1	30.1
59	9.9	8.8	13.2





#23

Vinyl Acetate

Concen: 101.204 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion: 43 Resp: 219664

Ion Ratio Lower Upper

43 100

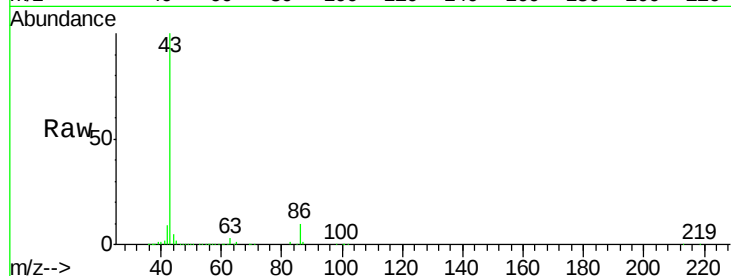
86 9.7 7.7 11.5

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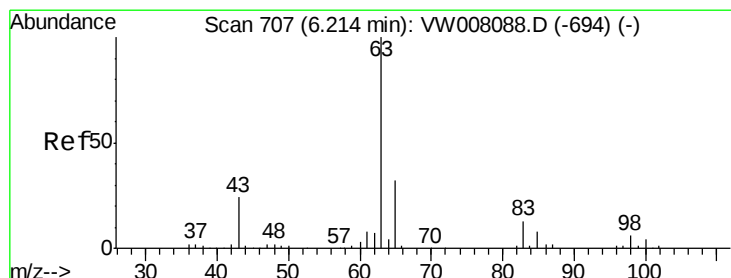
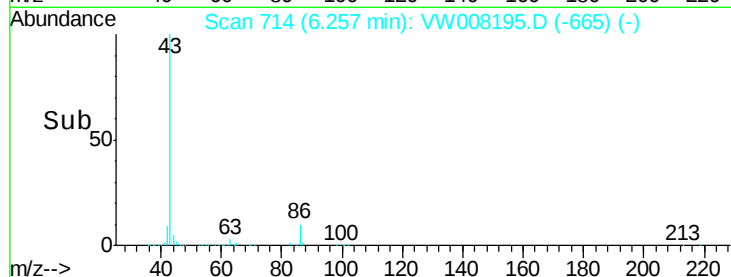
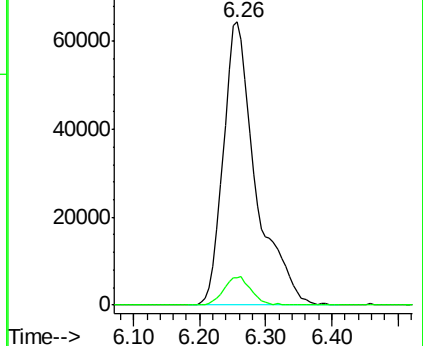
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.924 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

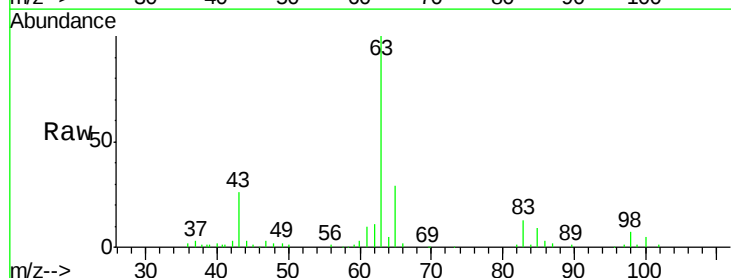
Tgt Ion: 63 Resp: 47976

Ion Ratio Lower Upper

63 100

98 7.4 3.2 9.6

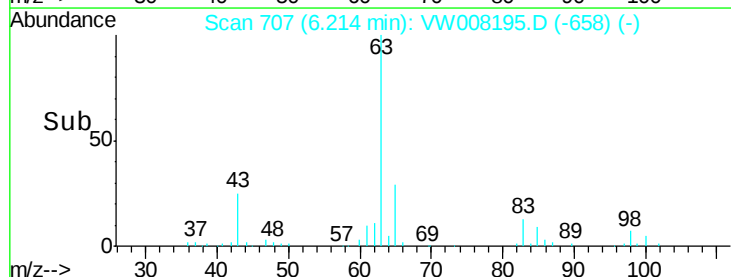
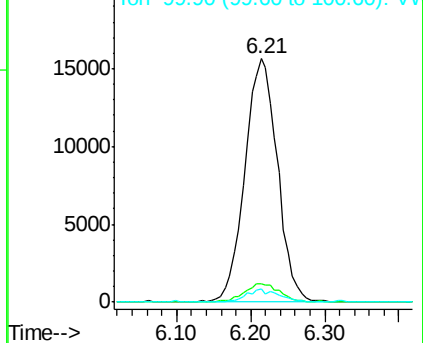
100 5.0 2.0 6.0

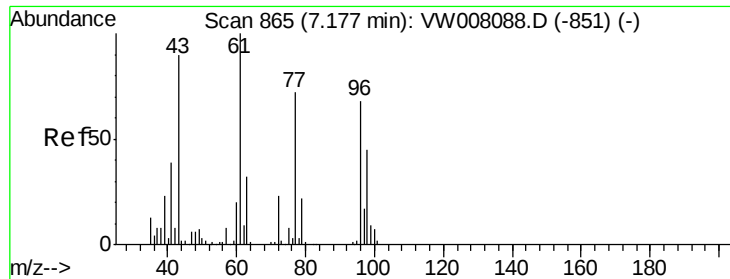


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 101.784 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion: 43 Resp: 34689

Ion Ratio Lower Upper

43 100

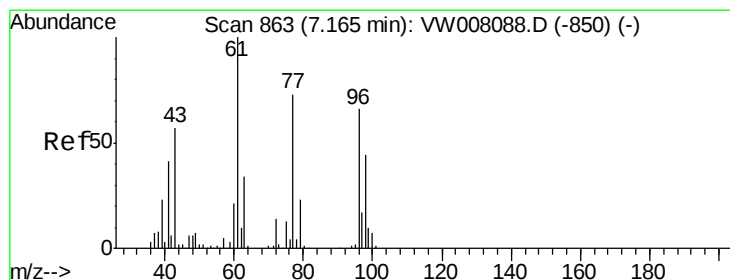
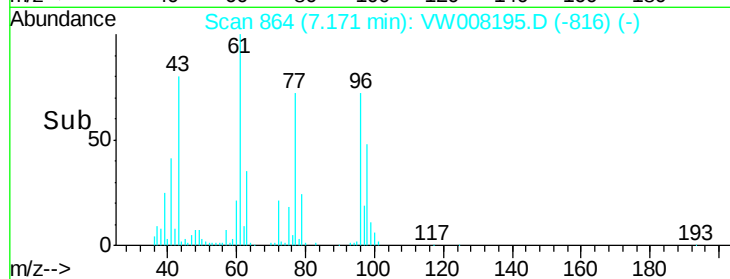
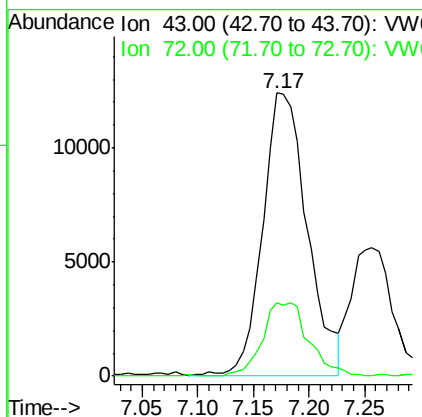
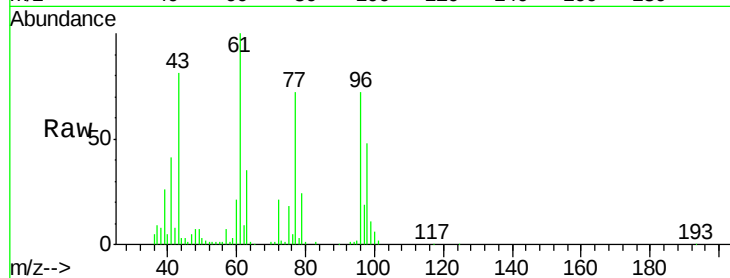
72 25.7 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.178 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008195.D

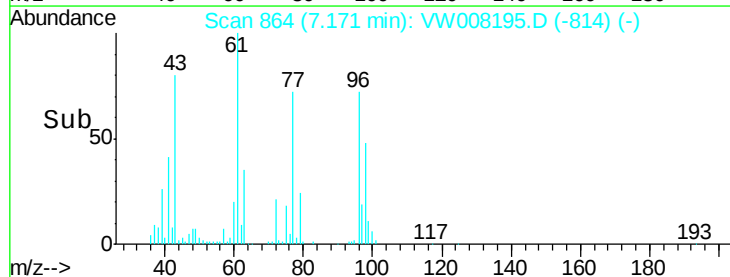
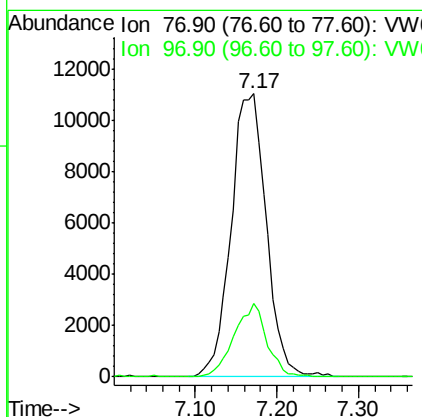
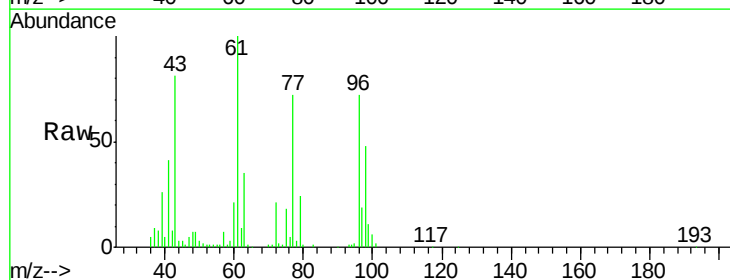
Acq: 11 Jan 2019 15:47

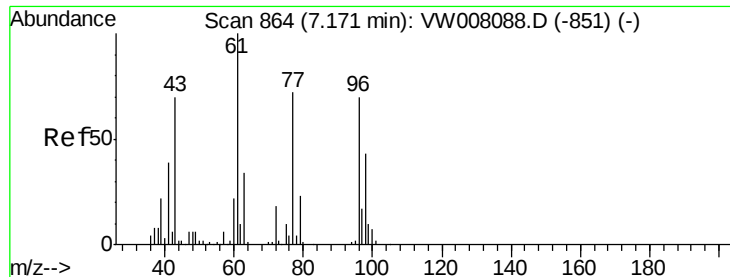
Tgt Ion: 77 Resp: 32922

Ion Ratio Lower Upper

77 100

97 24.1 11.4 34.1





#27

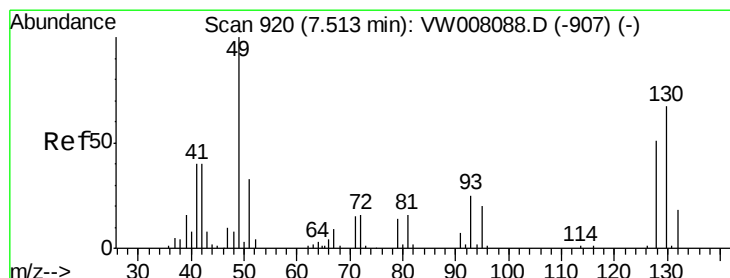
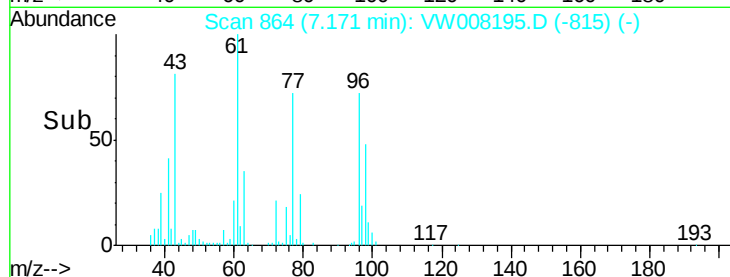
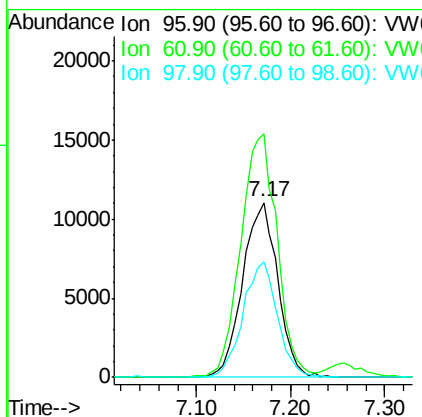
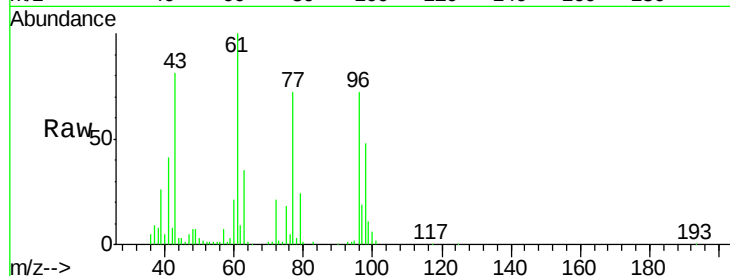
cis-1,2-Dichloroethene
Concen: 20.265 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	300.4
98	64.9	0.0	128.4

Manual Integrations
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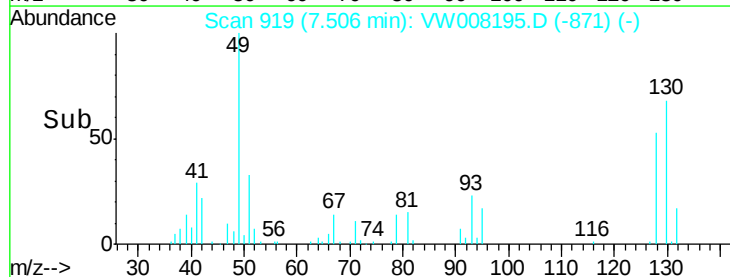
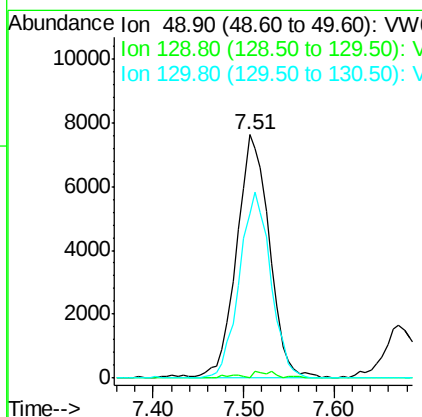
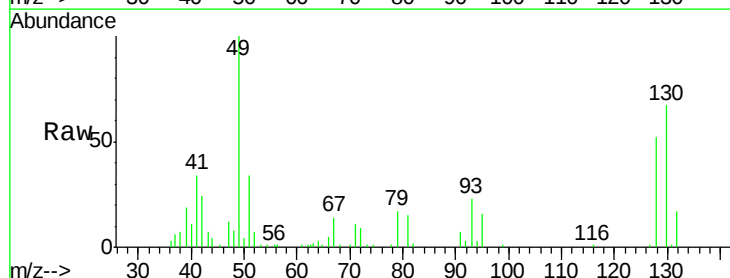
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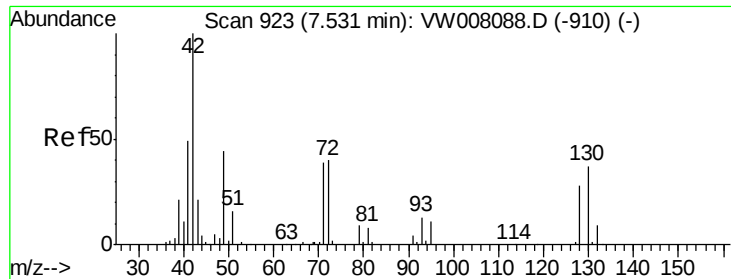


#28

Bromochloromethane
Concen: 19.997 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.8
130	73.3	54.3	81.5





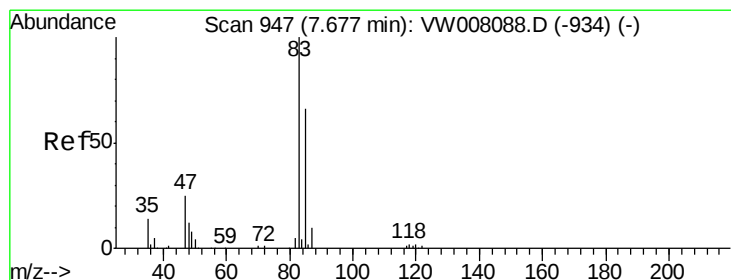
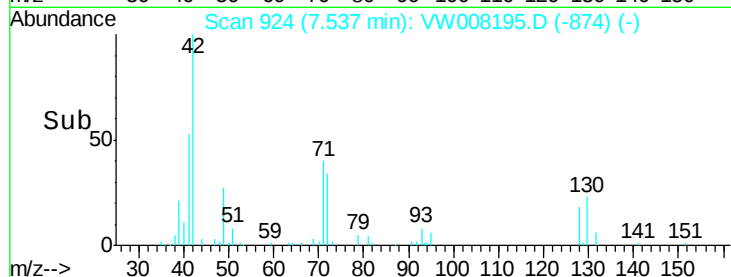
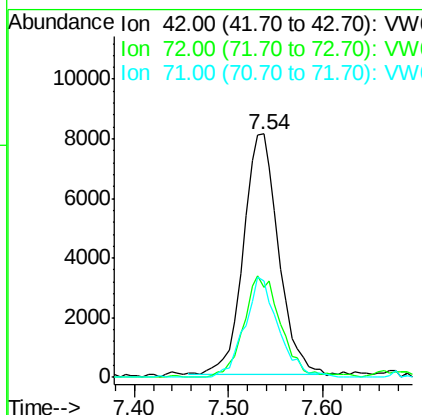
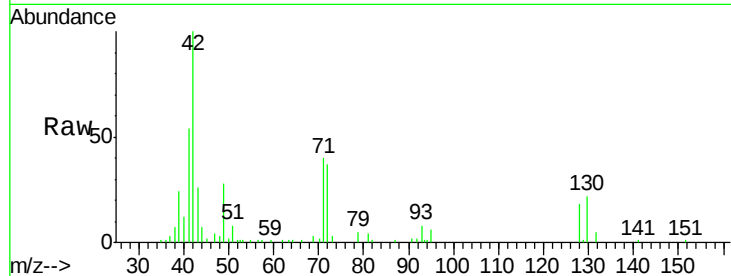
#29
Tetrahydrofuran
Concen: 92.763 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	32.4	48.6
71	40.0	31.3	46.9

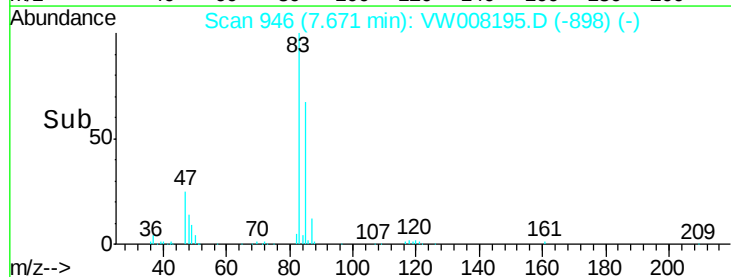
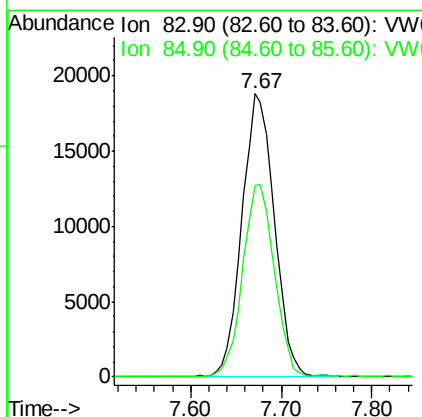
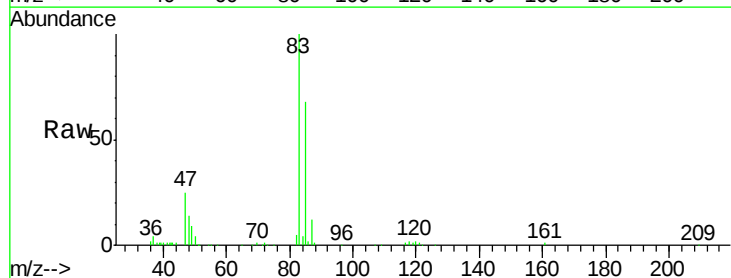
Manual Integrations
APPROVED

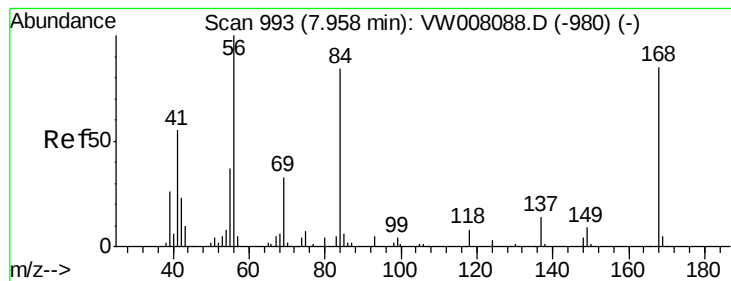
apatel
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#30
Chloroform
Concen: 20.322 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	53.2	79.8





#31

Cyclohexane

Concen: 18.711 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

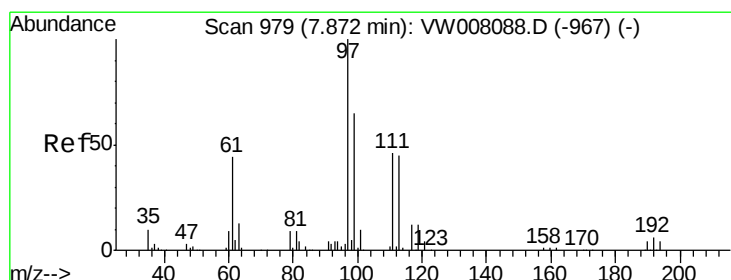
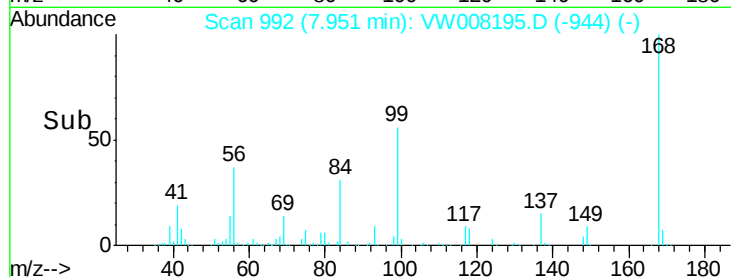
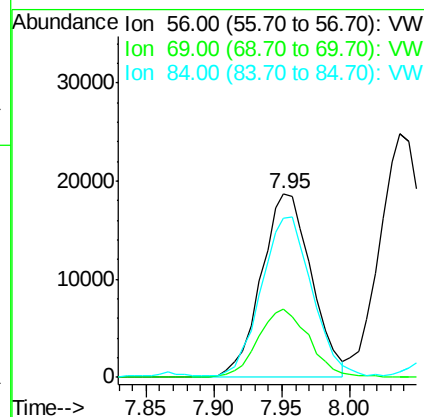
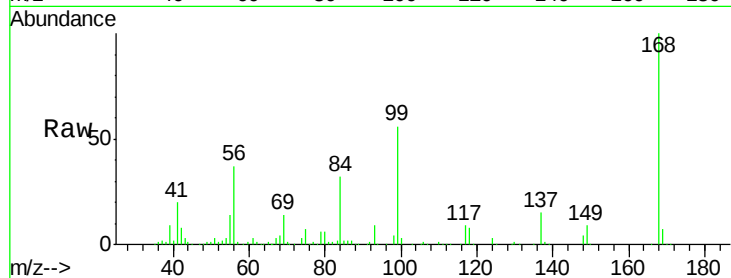
ClientSampleId :

VW0111SBSD01

Tot Ion:	56	Resp:	48233
Ion Ratio	Lower	Upper	
56	100		
69	36.8	26.2	39.4
84	85.3	67.4	101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.726 ug/l

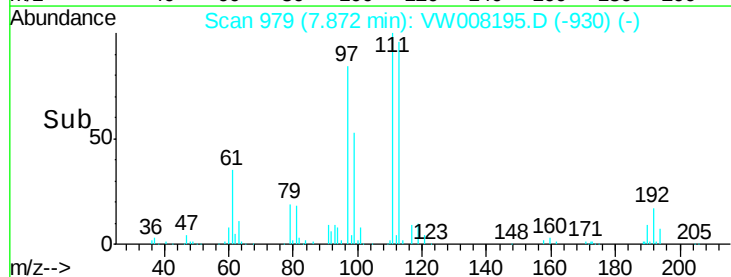
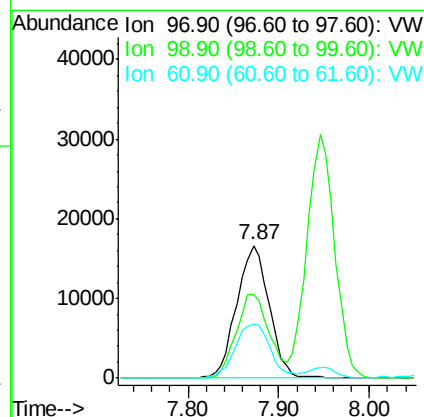
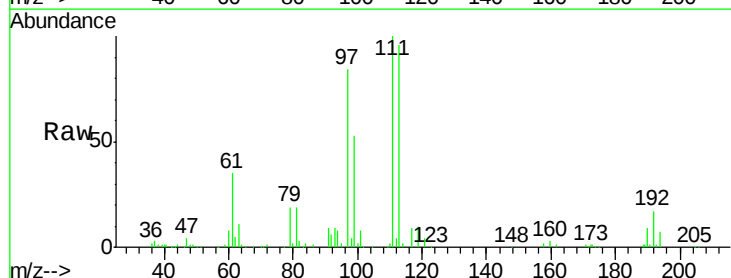
RT: 7.87 min Scan# 979

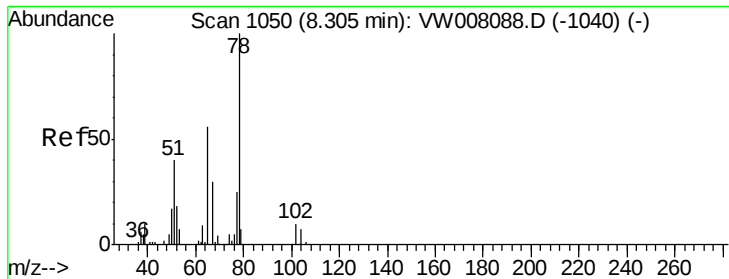
Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Tgt Ion:	97	Resp:	41334
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.4	77.0
61	44.7	35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 47.556 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion: 65 Resp: 58252

Ion Ratio Lower Upper

65 100

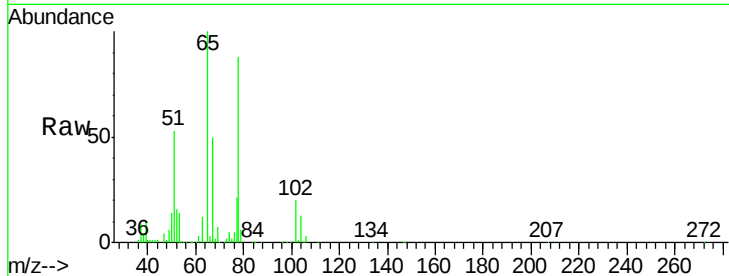
67 53.2 0.0 106.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

30000

25000

20000

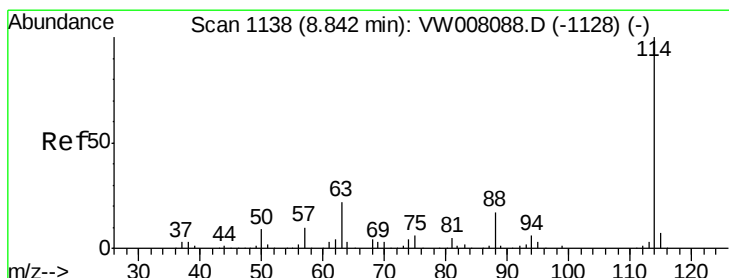
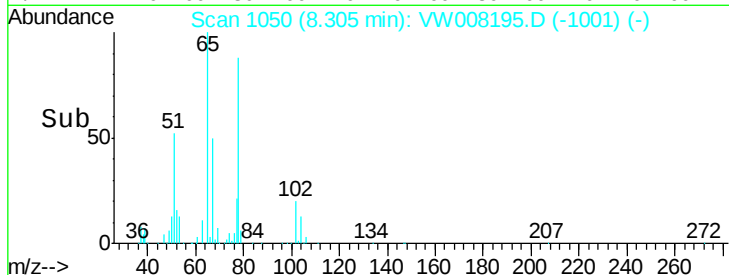
15000

10000

5000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

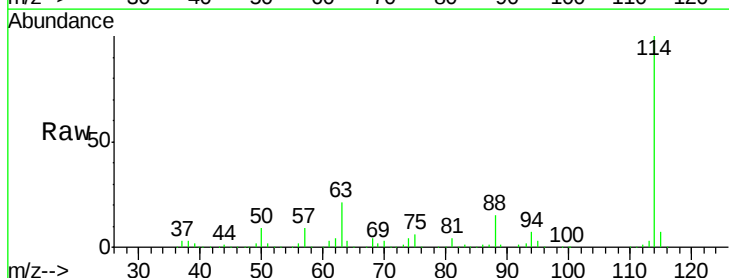
Tgt Ion: 114 Resp: 183710

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 15.3 0.0 33.4



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

8.84

120000

100000

80000

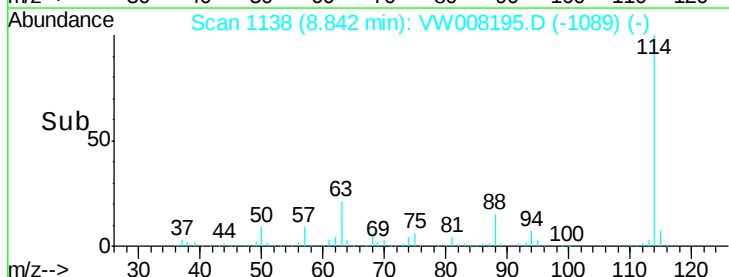
60000

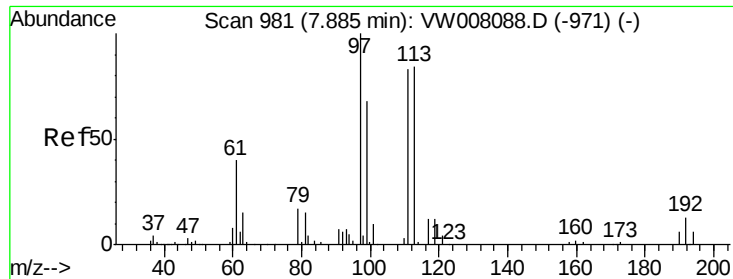
40000

20000

0

Time-->





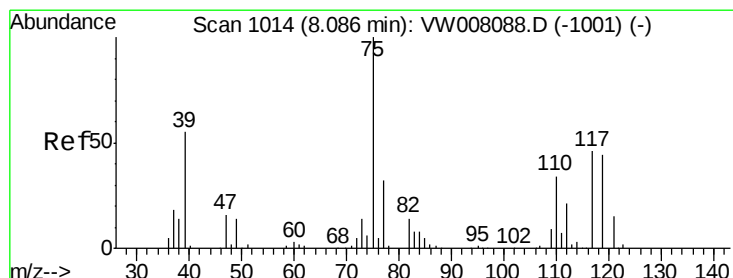
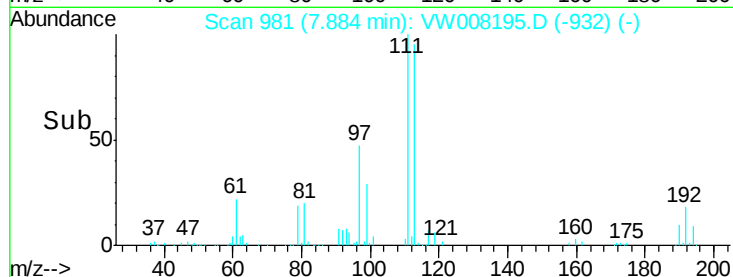
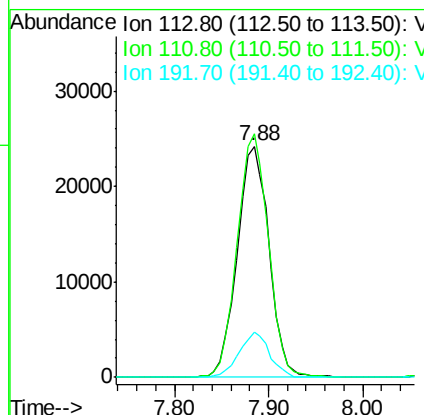
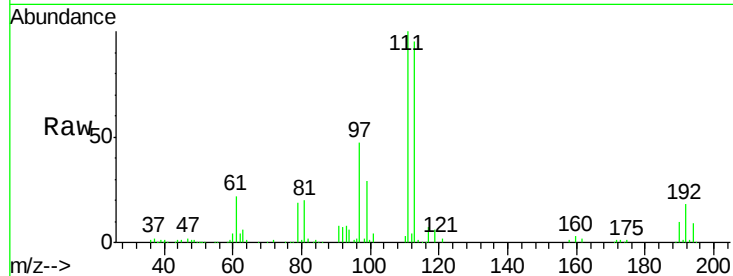
#35
 Dibromofluoromethane
 Concen: 53.366 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	18.4	12.8	19.2

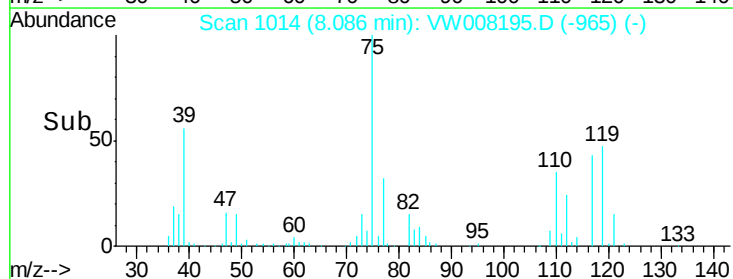
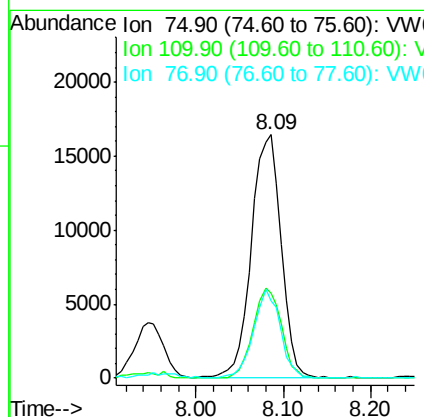
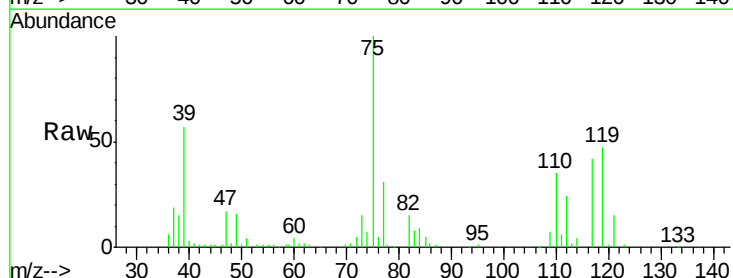
Manual Integrations
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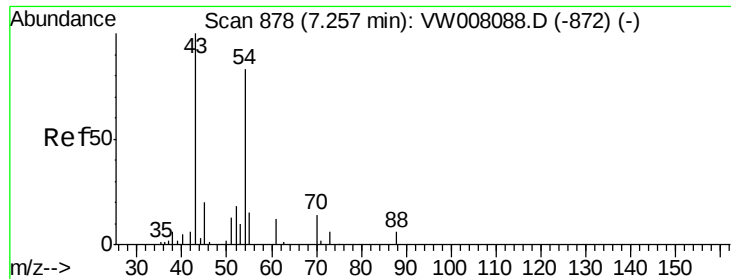
apatel
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#36
 1,1-Dichloropropene
 Concen: 20.690 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.1	51.3
77	32.6	25.5	38.3





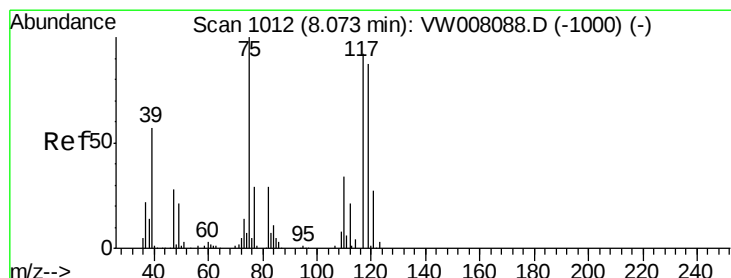
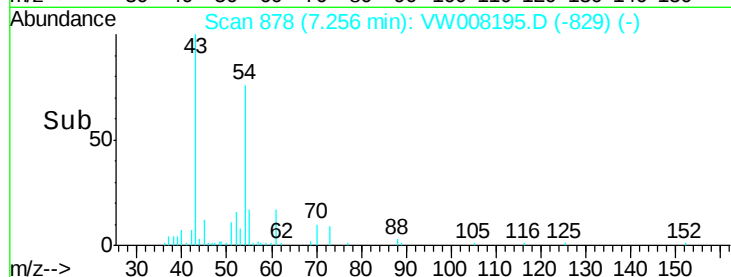
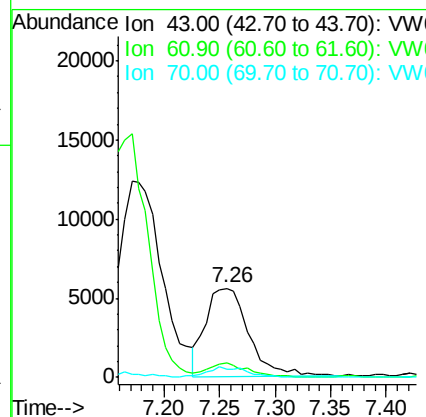
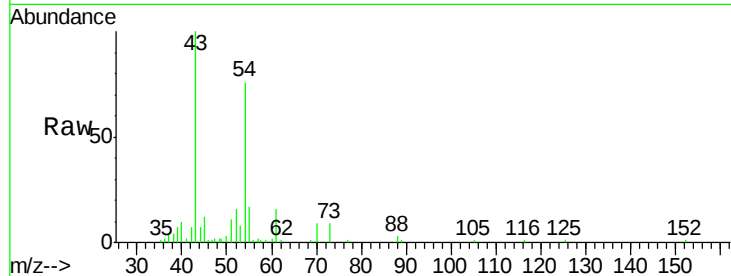
#37
Ethyl Acetate
Concen: 19.559 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.6	16.0
70	10.8	8.9	13.3

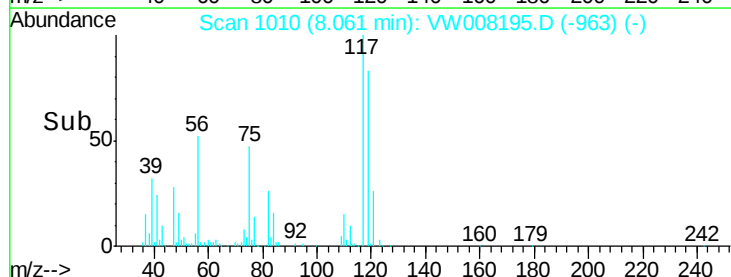
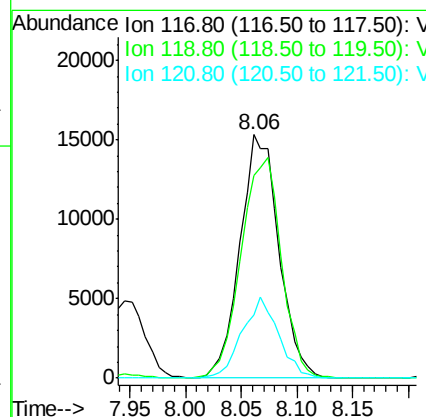
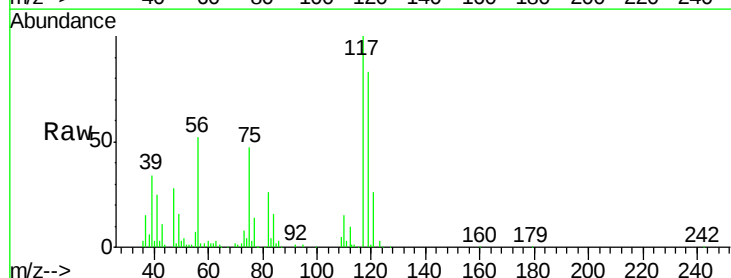
Manual Integrations
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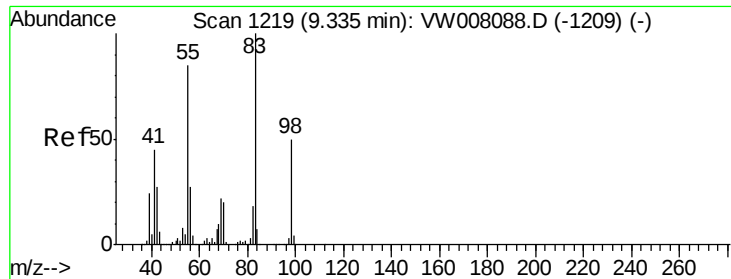
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#38
Carbon Tetrachloride
Concen: 21.466 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.0	75.8	113.8
121	25.9	23.7	35.5





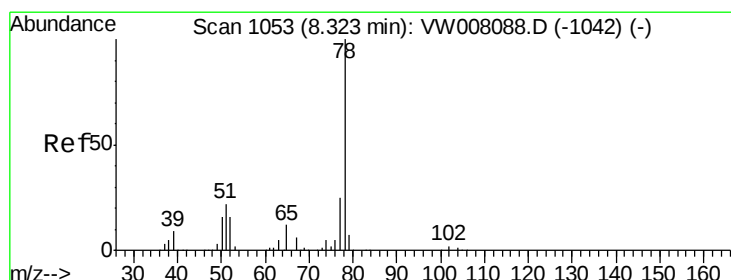
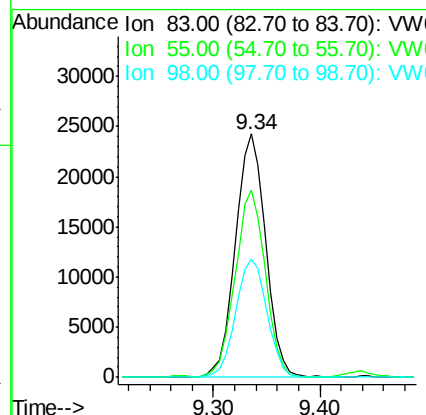
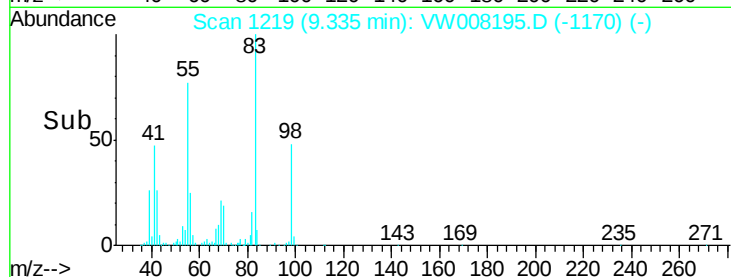
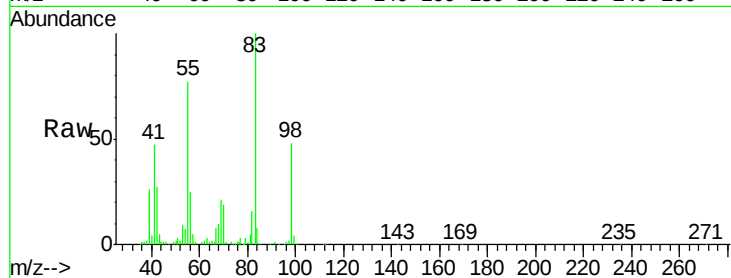
#39
Methvlcvclohexane
Concen: 20.227 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	67.8	101.6
98	48.3	40.2	60.4

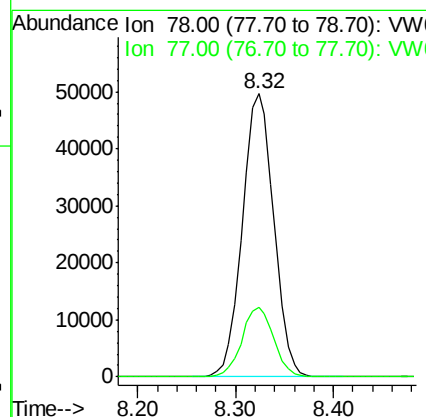
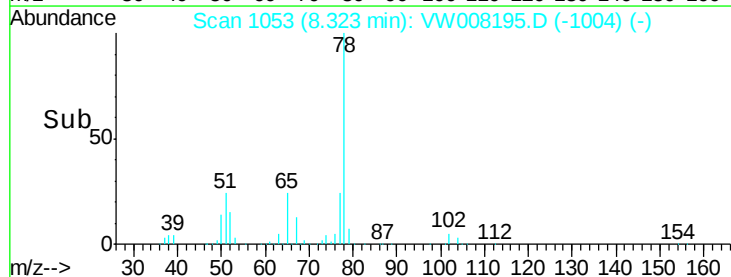
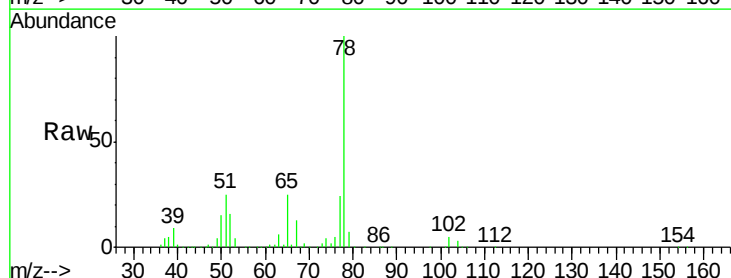
Manual Integrations
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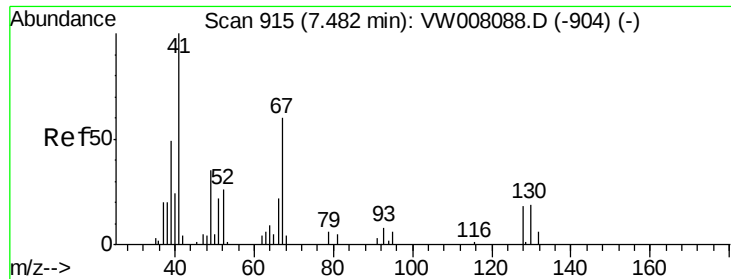
apatel
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#40
Benzene
Concen: 21.514 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	20.2	30.4





#41

Methacrylonitrile

Concen: 20.099 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

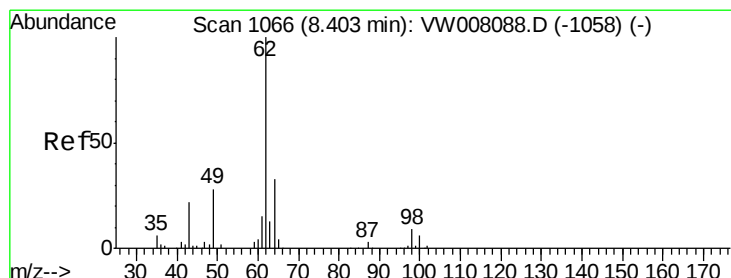
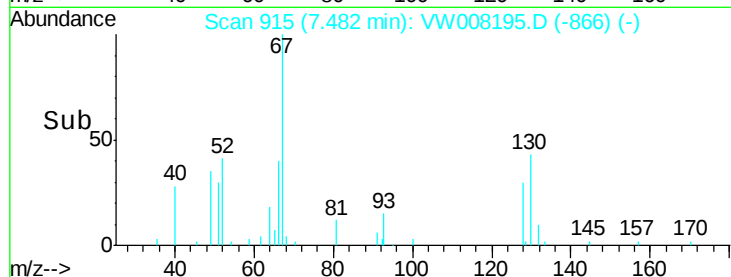
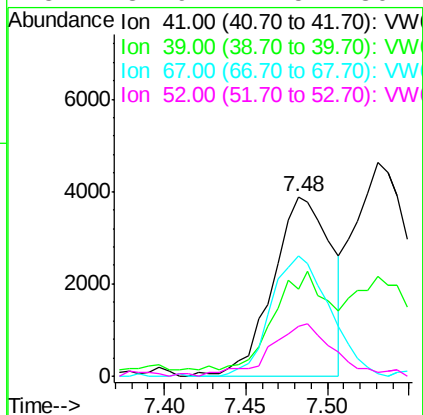
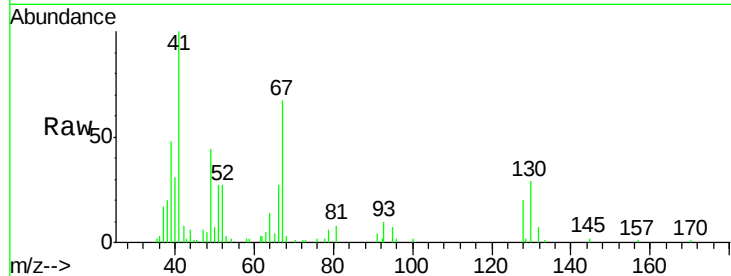
ClientSampleId :

VW0111SBSD01

Tot Ion:	41	Resp:	9626
Ion	Ratio	Lower	Upper
41	100		
39	50.6	47.9	71.9
67	68.1	56.3	84.5
52	31.9	24.5	36.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.851 ug/l

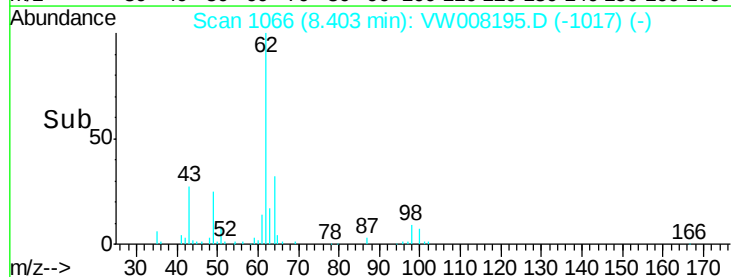
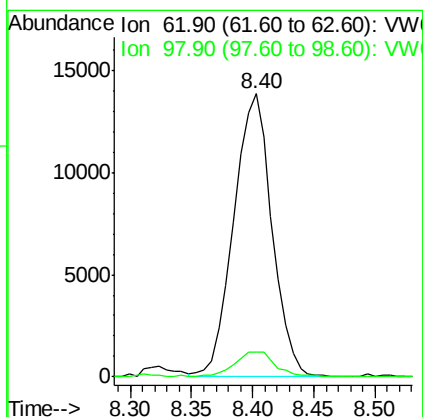
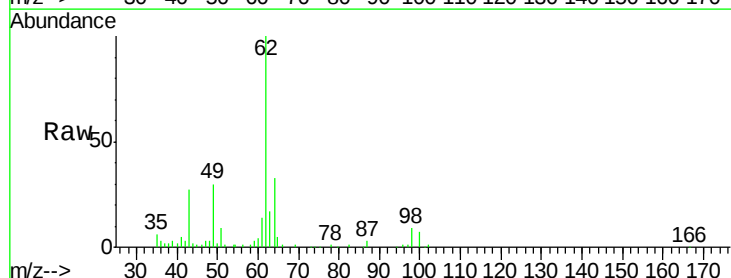
RT: 8.40 min Scan# 1066

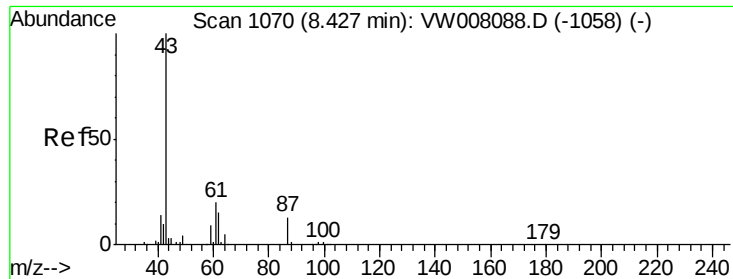
Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Tgt Ion:	62	Resp:	30100
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6





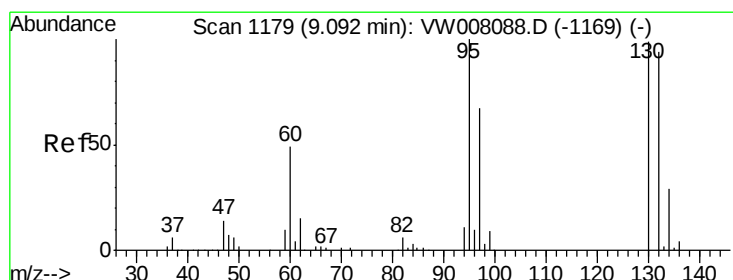
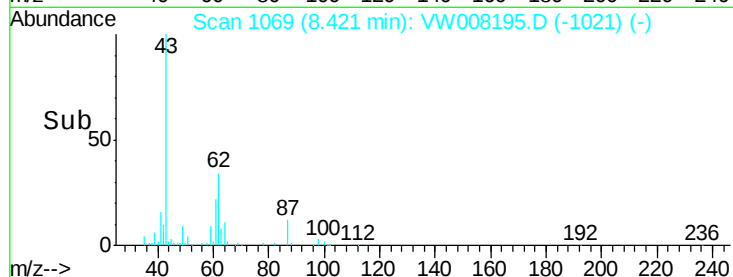
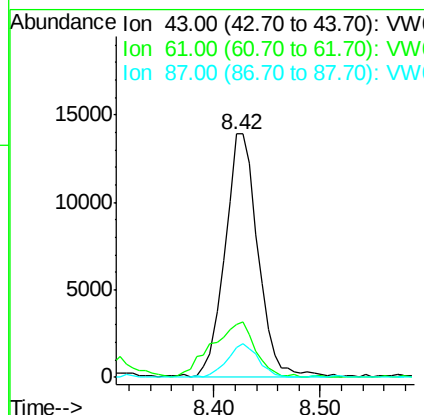
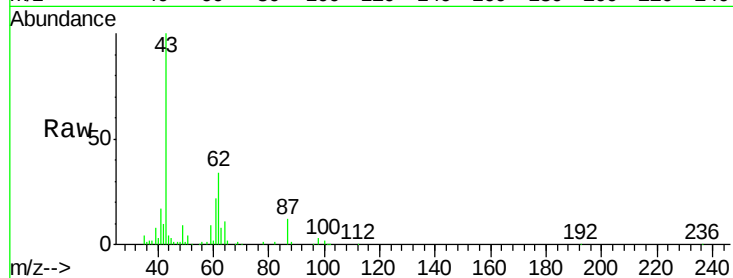
#43
Isopropyl Acetate
Concen: 19.937 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	24.8	37.2
87	13.2	10.4	15.6

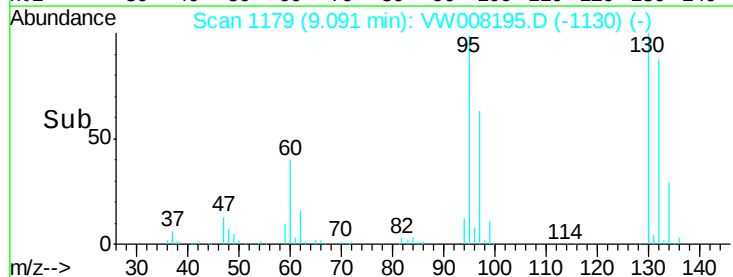
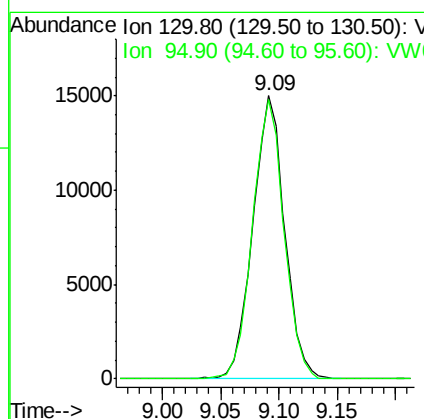
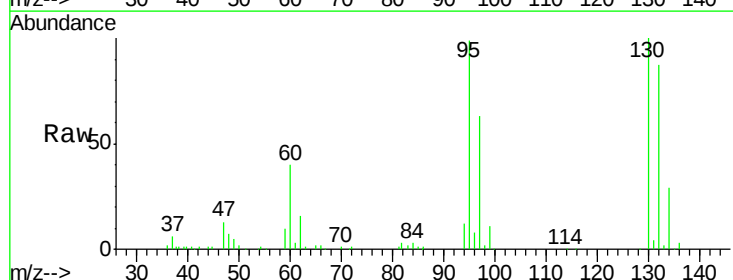
Manual Integrations
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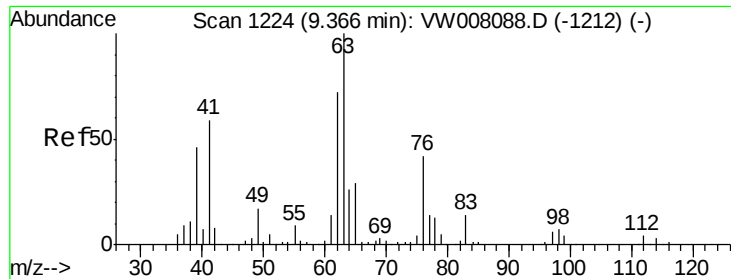
apatel
1/14/2019 2:41:53 PM



#44
Trichloroethene
Concen: 21.776 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	202.8





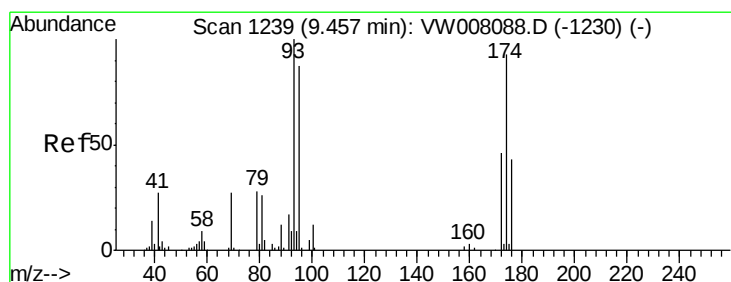
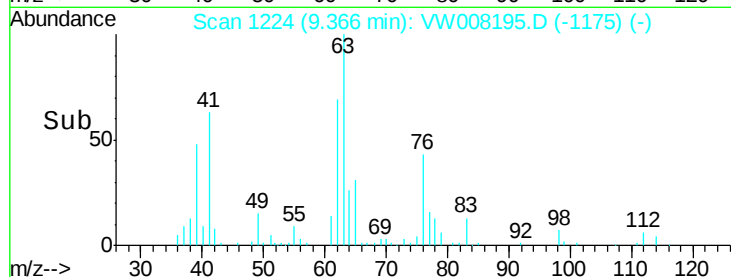
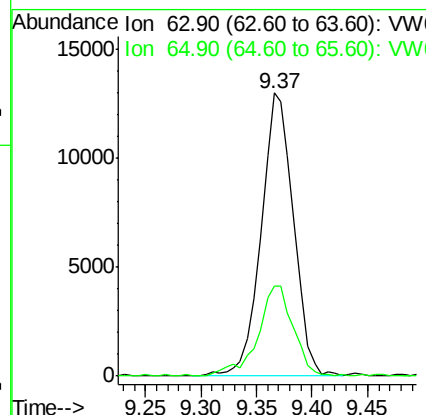
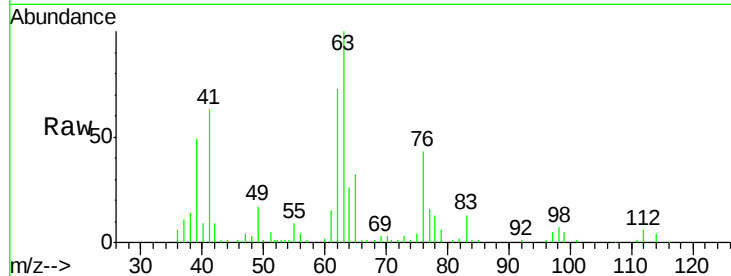
#45
 1,2-Dichloropropane
 Concen: 20.645 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	23.3	34.9

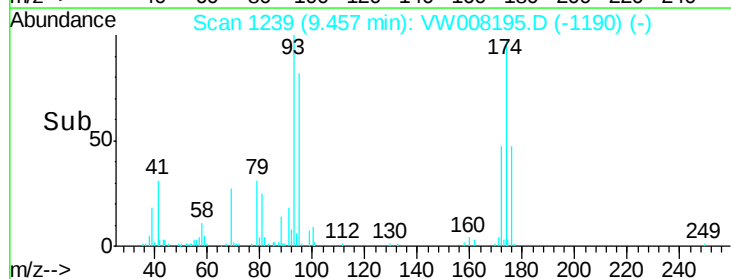
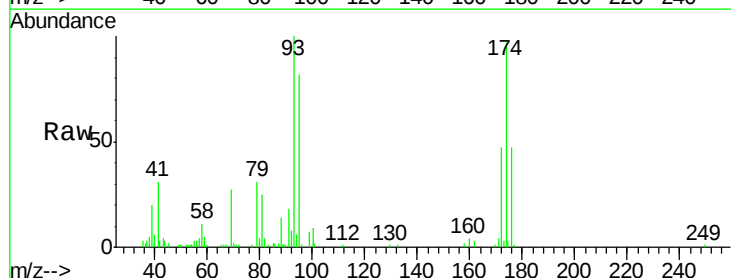
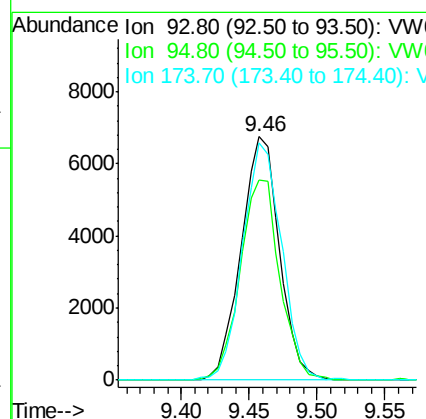
Manual Integrations
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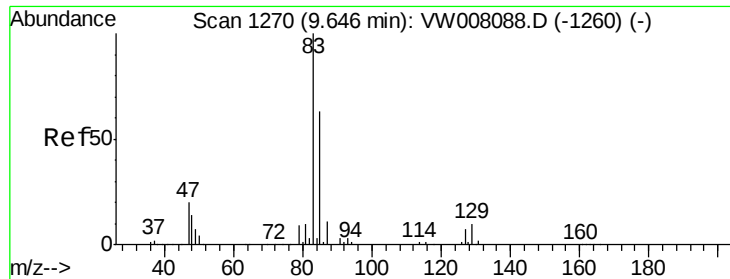
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#46
 Dibromomethane
 Concen: 21.370 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	67.5	101.3
174	98.8	72.5	108.7





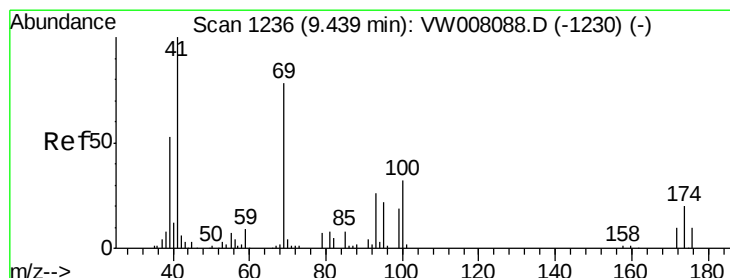
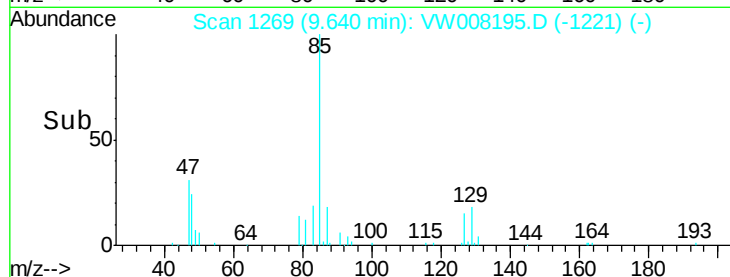
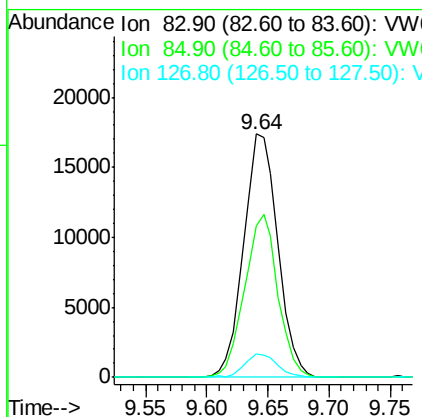
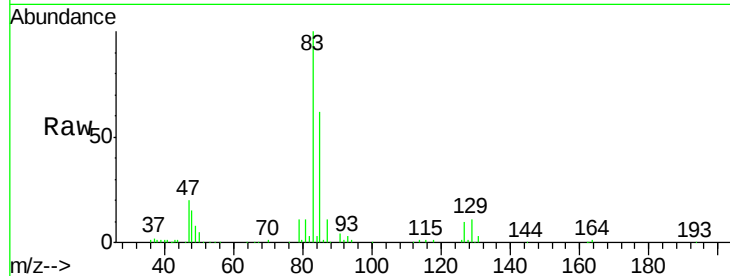
#47
Bromodichloromethane
Concen: 21.292 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	83	Resp	33792
Ion Ratio	100	Lower	Upper
83	100		
85	62.1	50.7	76.1
127	9.5	6.0	9.0#

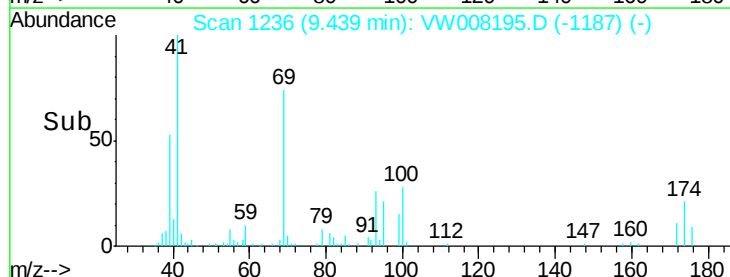
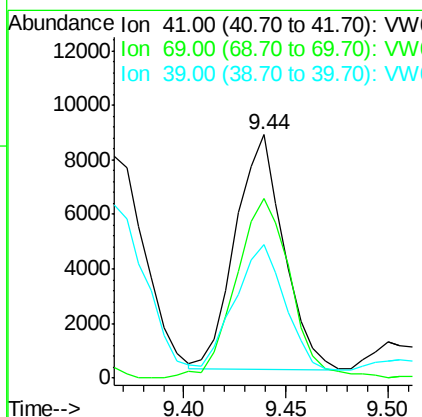
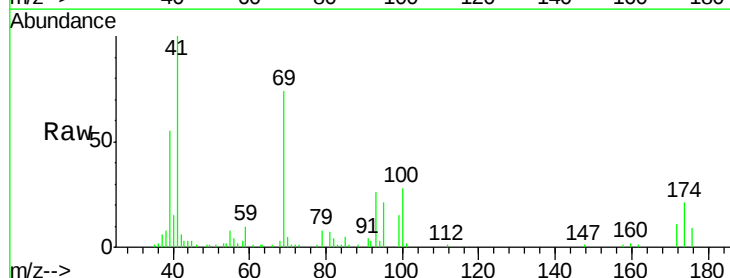
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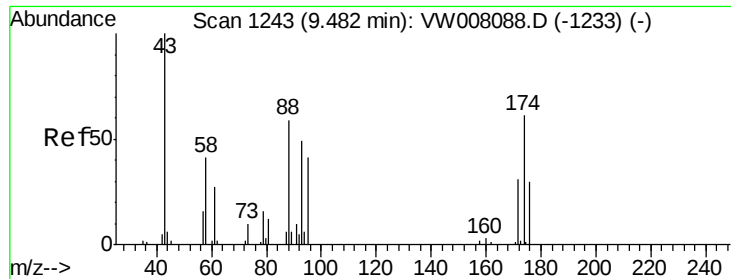
apatel
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#48
Methyl methacrylate
Concen: 19.784 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	41	Resp	14151
Ion Ratio	100	Lower	Upper
41	100		
69	86.6	61.9	92.9
39	55.1	43.0	64.4





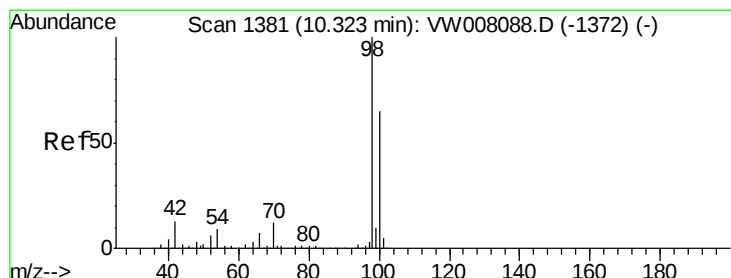
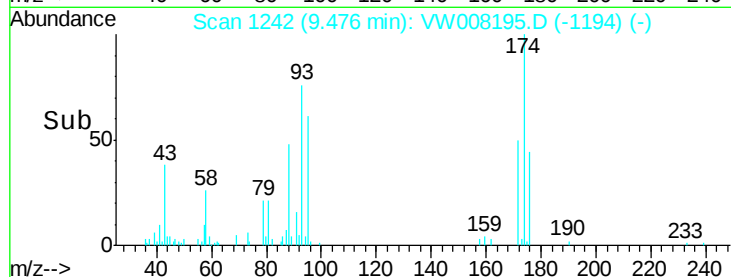
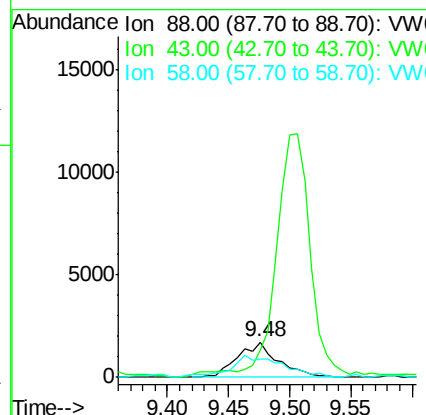
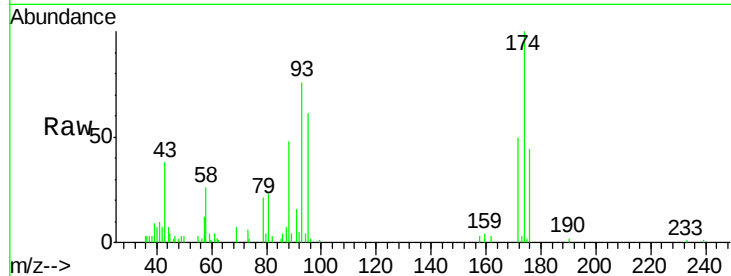
#49
1,4-Dioxane
Concen: 388.198 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	88	Resp	3902
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	80.7	61.7	92.5

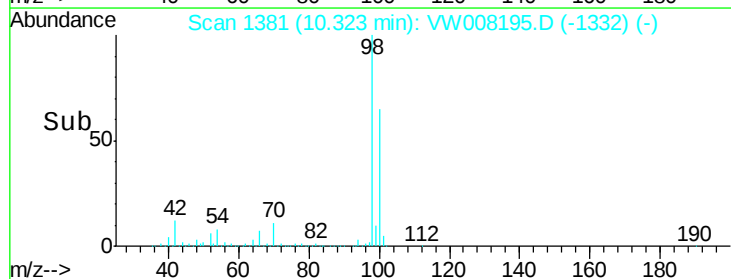
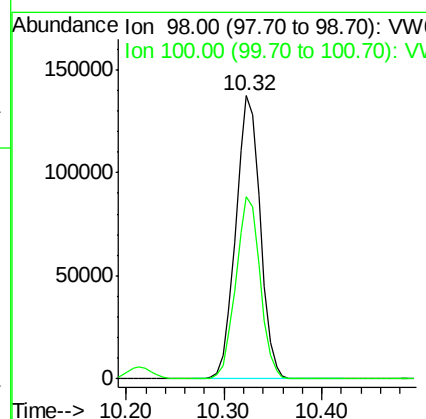
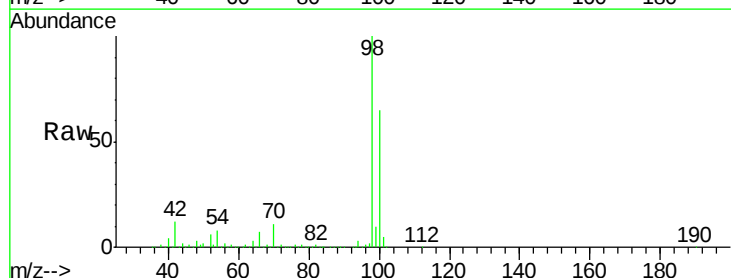
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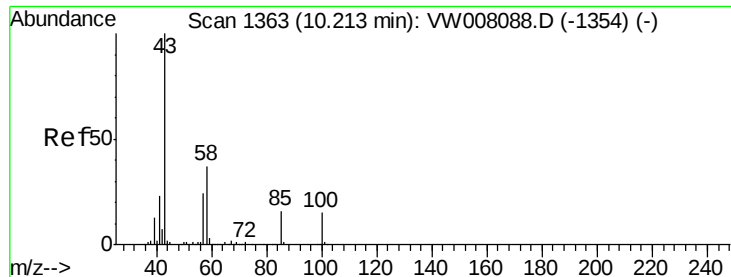
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#50
Toluene-d8
Concen: 52.840 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	98	Resp	237583
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 100.504 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion: 43 Resp: 73745

Ion Ratio Lower Upper

43 100

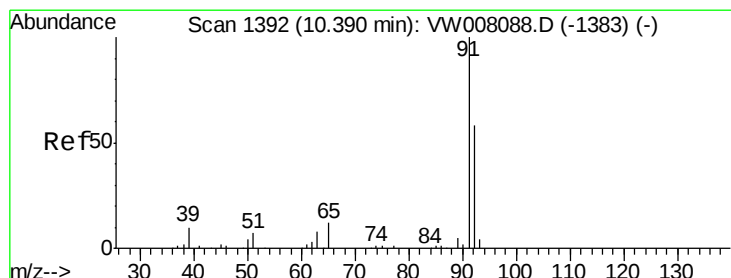
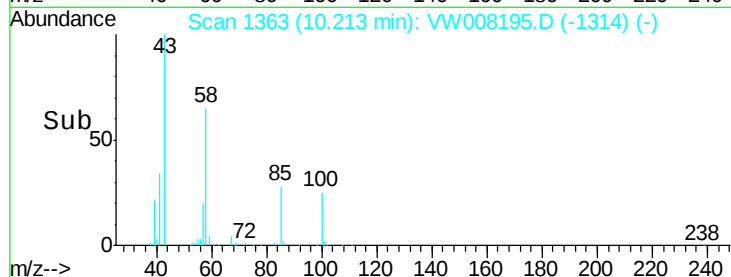
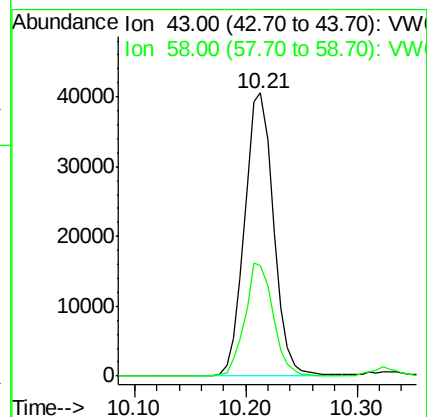
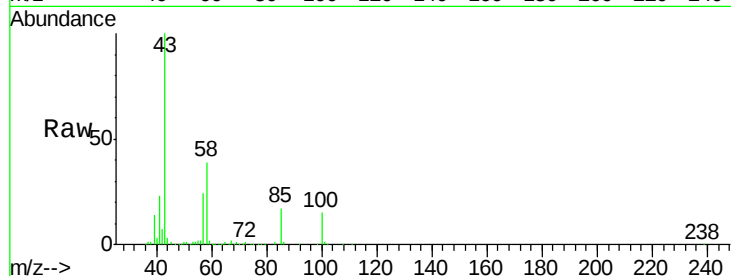
58 39.0 30.6 46.0

Manual Integrations

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1/14/2019 2:41:53 PM



#52

Toluene

Concen: 21.526 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008195.D

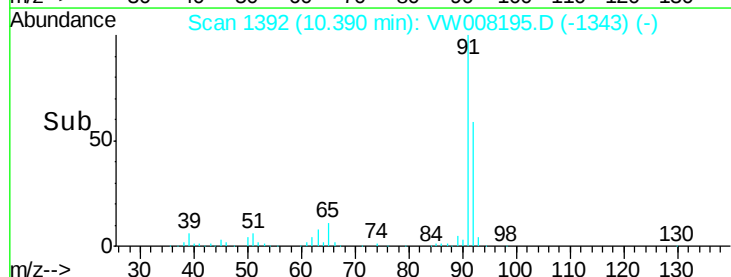
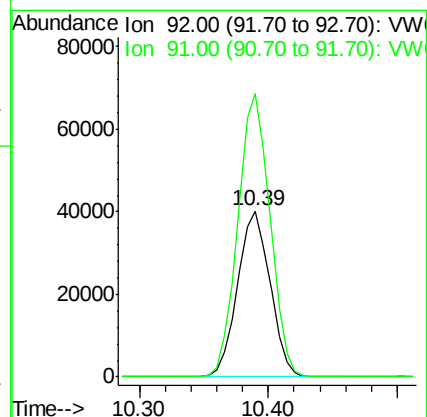
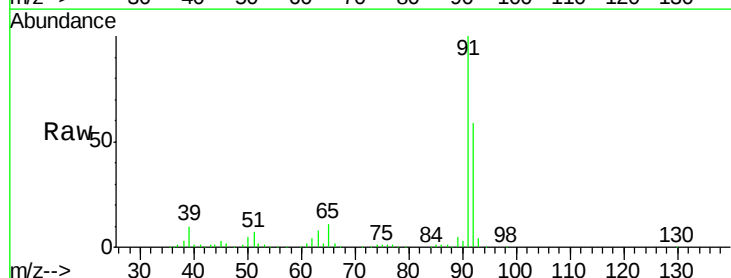
Acq: 11 Jan 2019 15:47

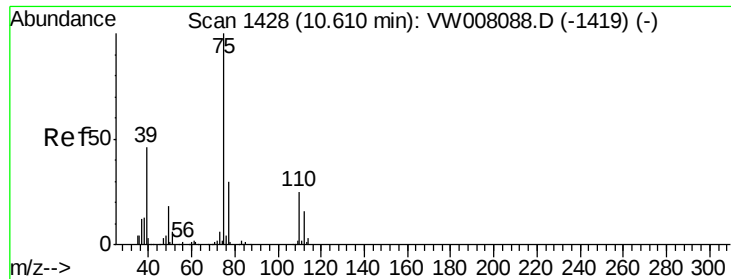
Tgt Ion: 92 Resp: 70560

Ion Ratio Lower Upper

92 100

91 168.8 137.0 205.4





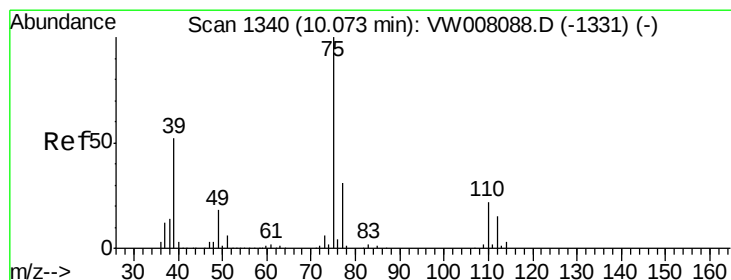
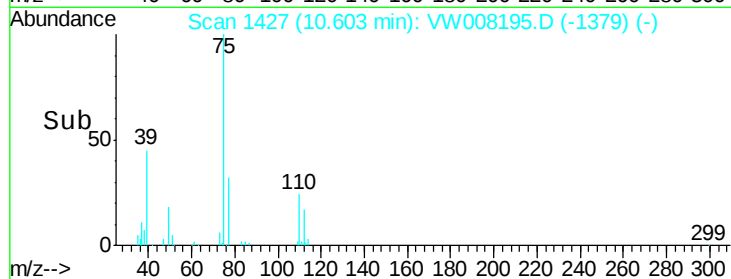
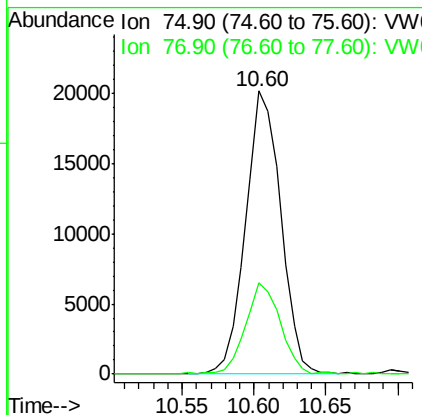
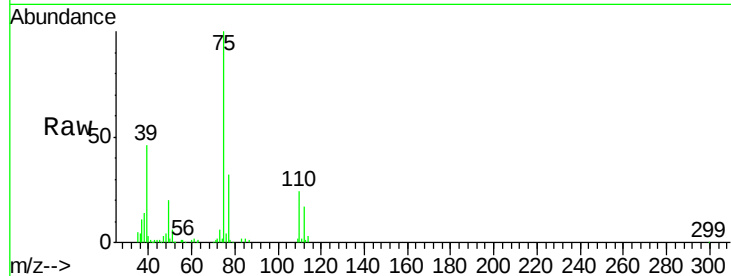
#53
t-1,3-Dichloropropene
Concen: 20.614 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion: 75 Resp: 34030
Ion Ratio Lower Upper
75 100
77 31.8 24.4 36.6

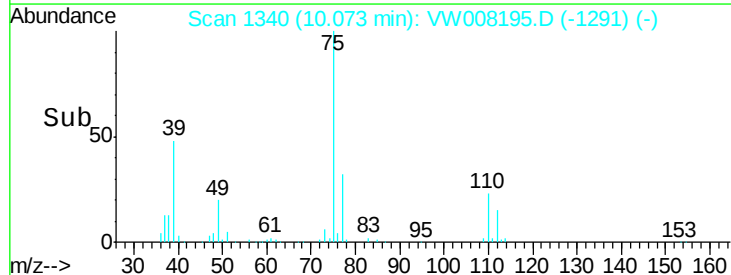
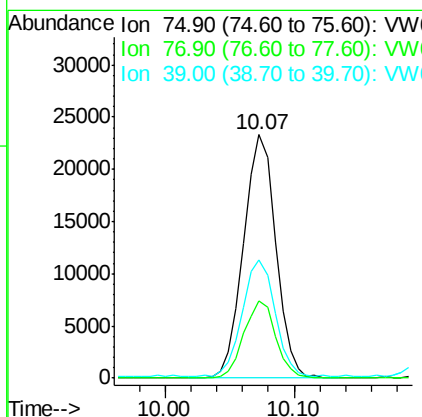
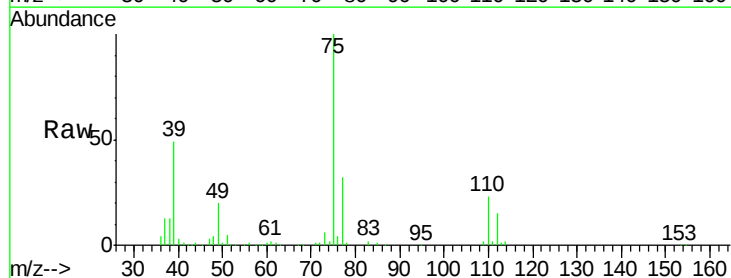
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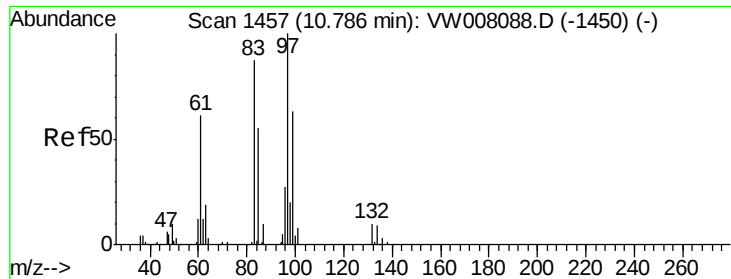
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#54
cis-1,3-Dichloropropene
Concen: 20.648 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion: 75 Resp: 40420
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8
39 48.1 41.4 62.0





#55

1,1,2-Trichloroethane

Concen: 21.691 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion: 97 Resp: 19035

Ion Ratio Lower Upper

97 100

83 85.4 69.3 103.9

85 53.5 43.8 65.6

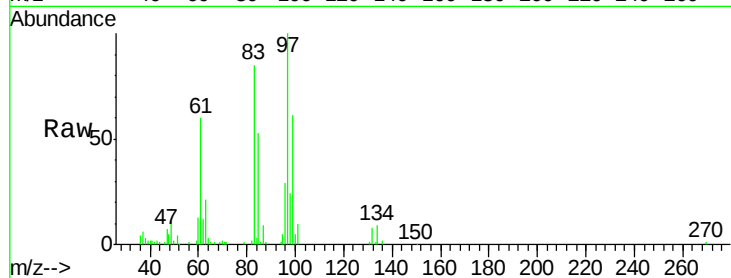
99 60.8 50.0 75.0

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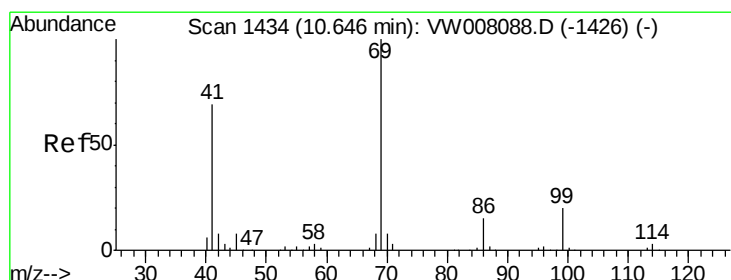
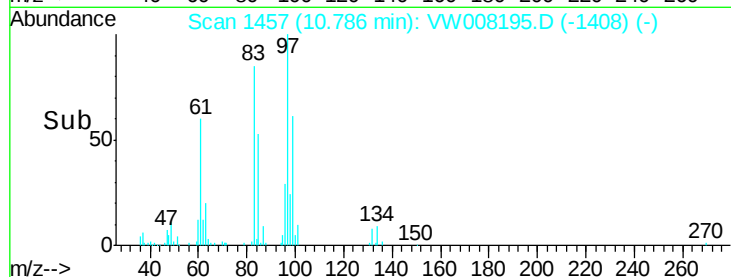
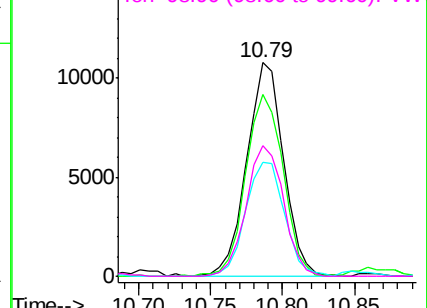


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.945 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

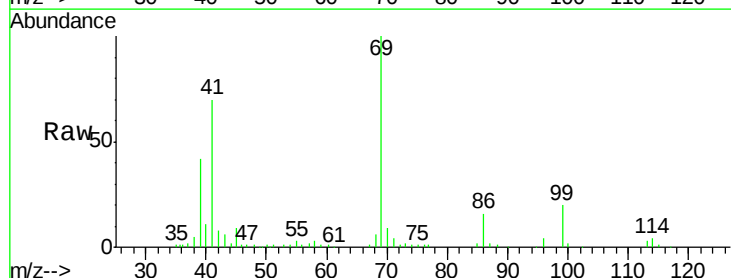
Tgt Ion: 69 Resp: 21675

Ion Ratio Lower Upper

69 100

41 69.1 56.4 84.6

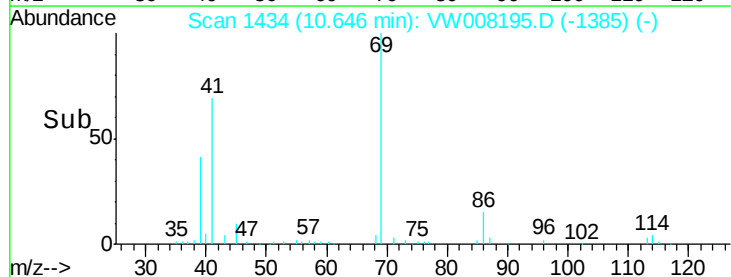
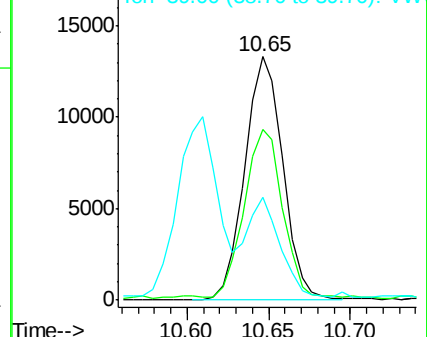
39 36.1 28.1 42.1

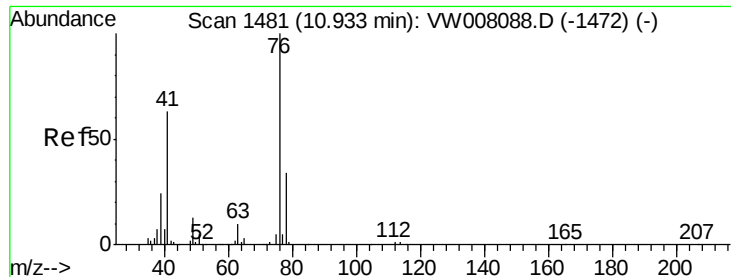


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





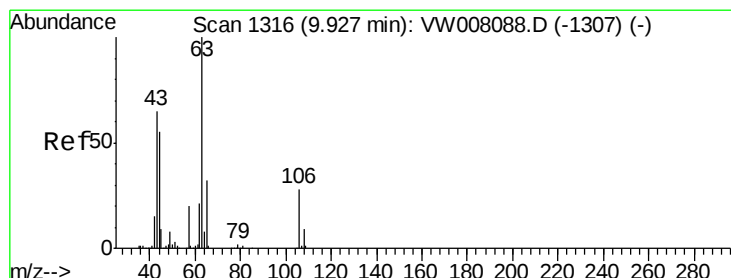
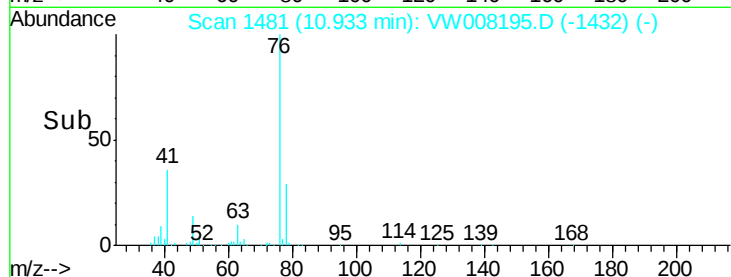
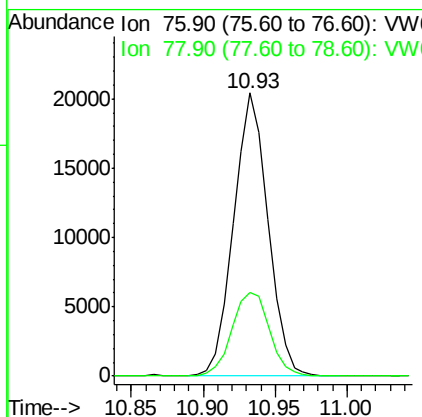
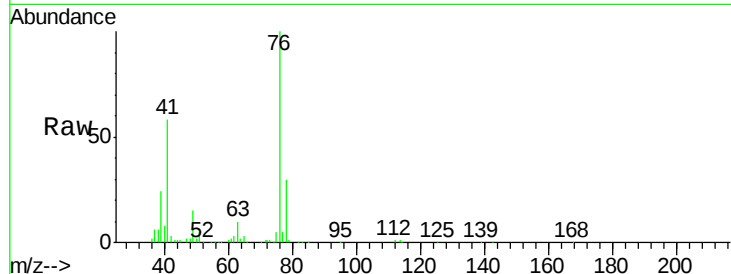
#57
 1,3-Dichloropropane
 Concen: 21.143 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

Tot Ion: 76 Resp: 33933
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

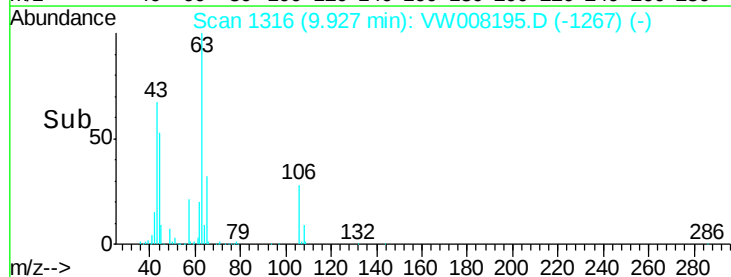
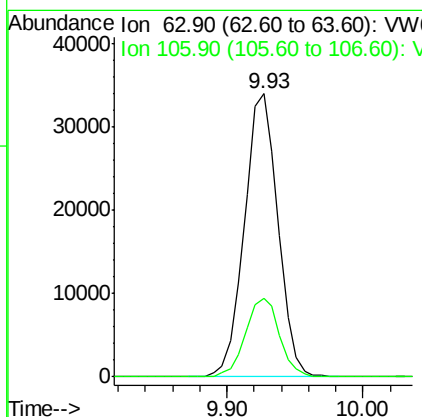
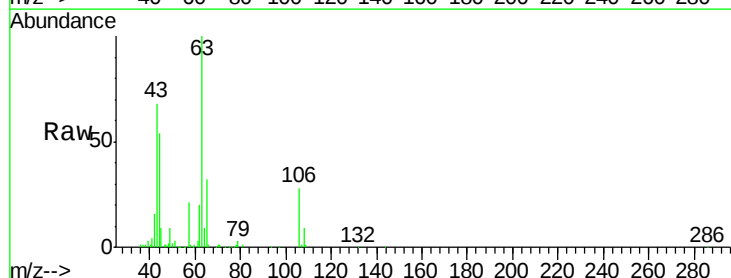
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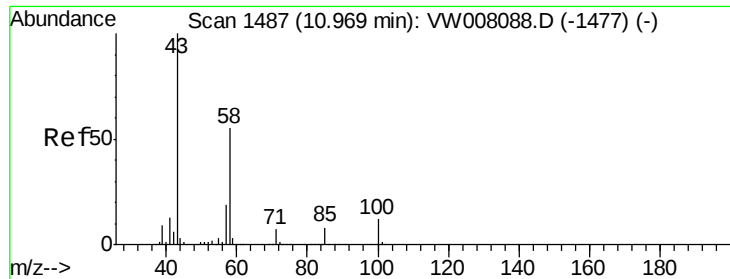
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.761 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 63 Resp: 58809
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.8 32.6





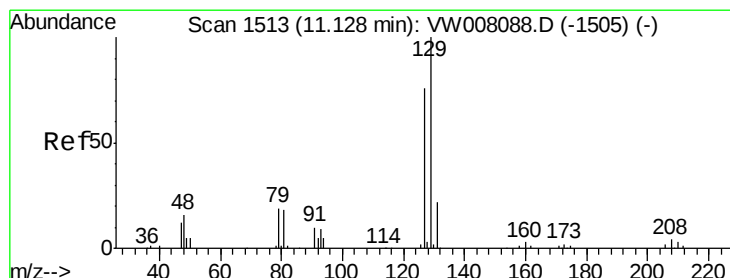
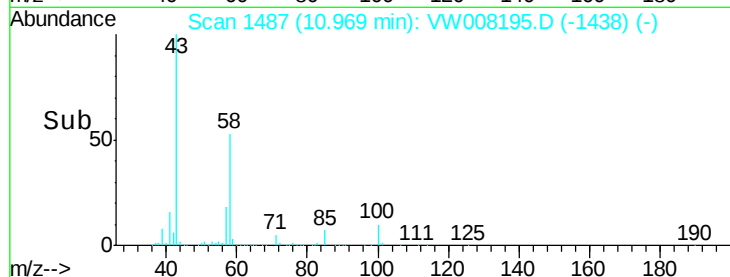
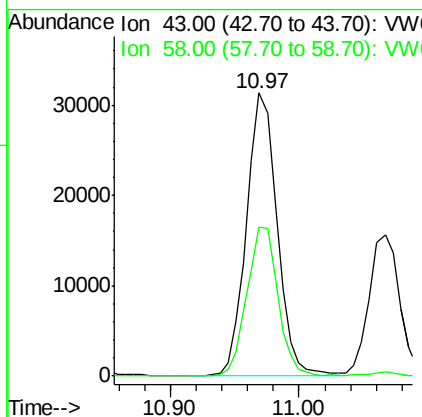
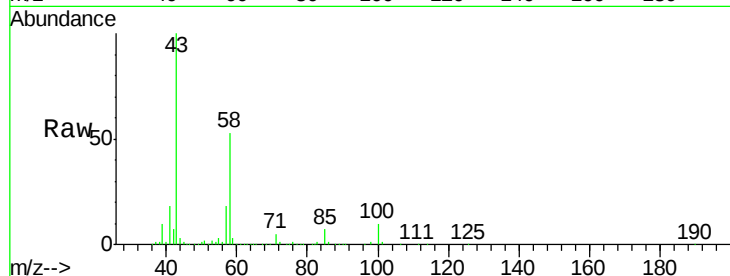
#59
2-Hexanone
Concen: 104.179 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampled :
VW0111SBSD01

Tot Ion: 43 Resp: 51693
Ion Ratio Lower Upper
43 100
58 52.9 27.2 81.5

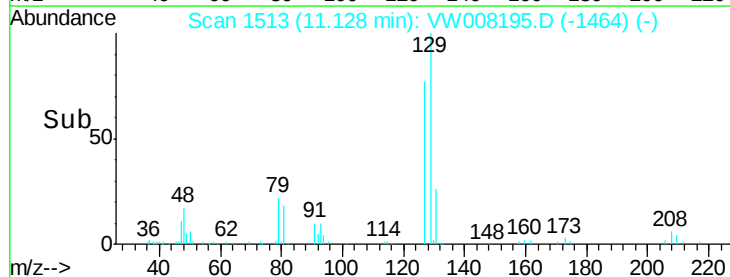
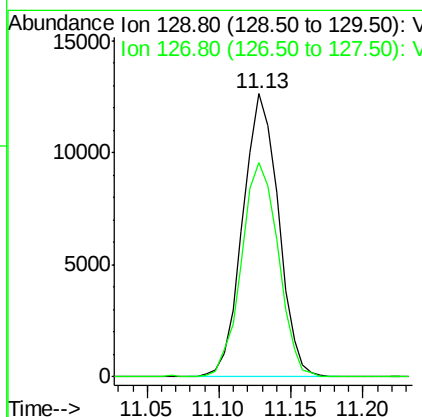
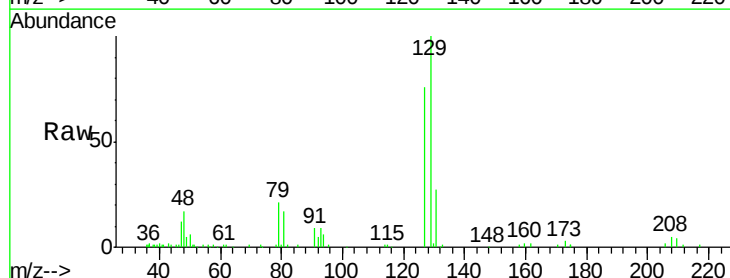
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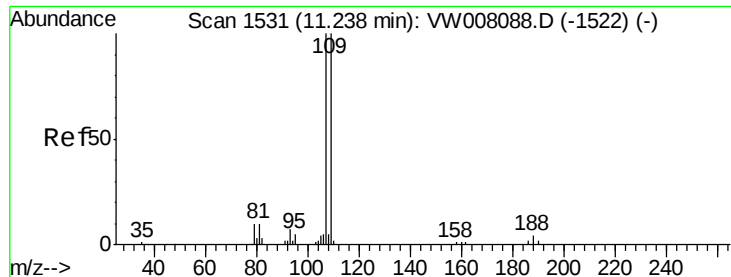
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#60
Dibromochloromethane
Concen: 22.527 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion:129 Resp: 21708
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





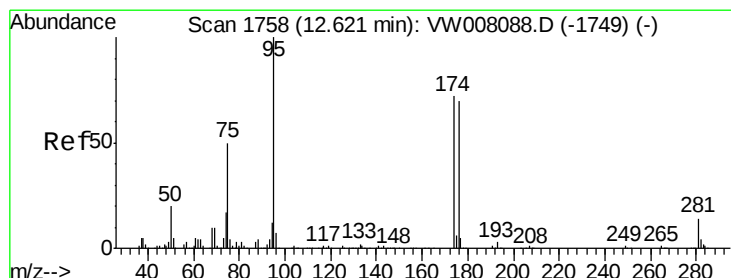
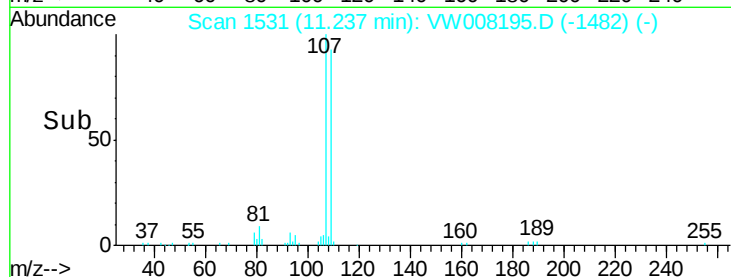
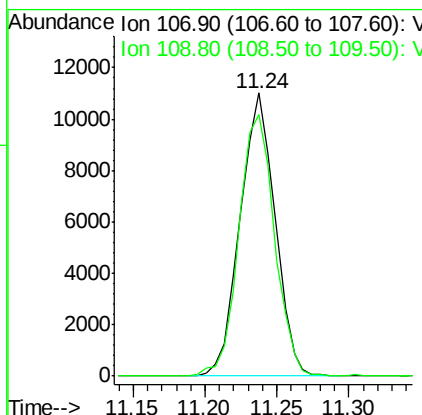
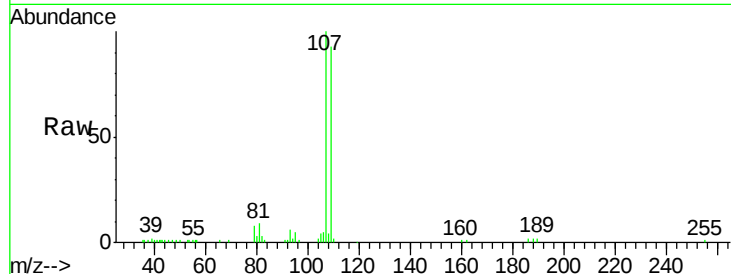
#61
 1,2-Dibromoethane
 Concen: 22.296 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

Tot Ion: 107 Resp: 18565
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.9 113.9

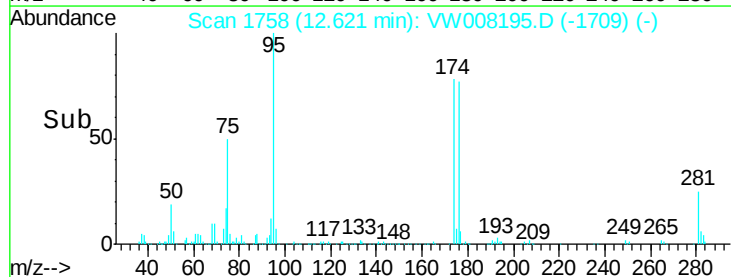
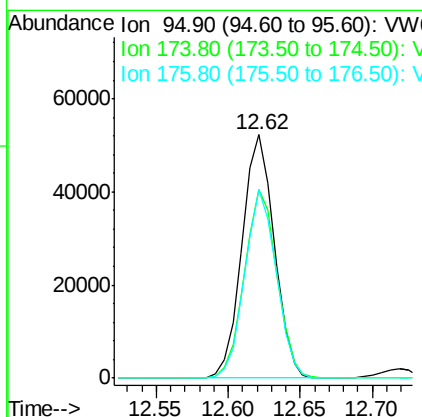
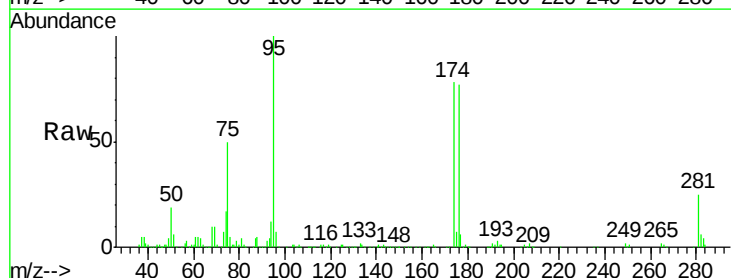
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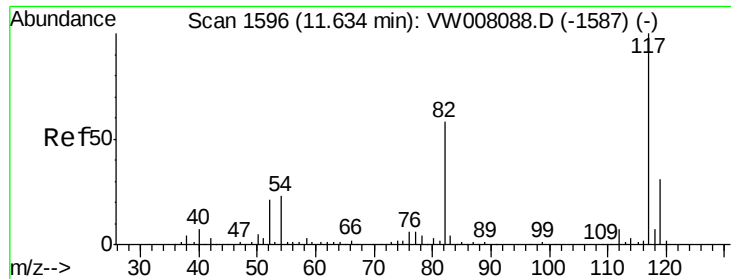
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#62
 4-Bromofluorobenzene
 Concen: 50.330 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 95 Resp: 81128
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 143.0
 176 75.7 0.0 140.2





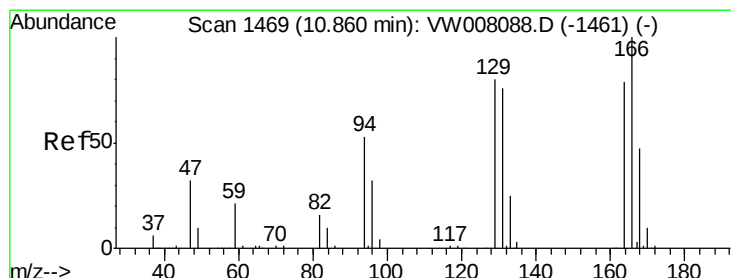
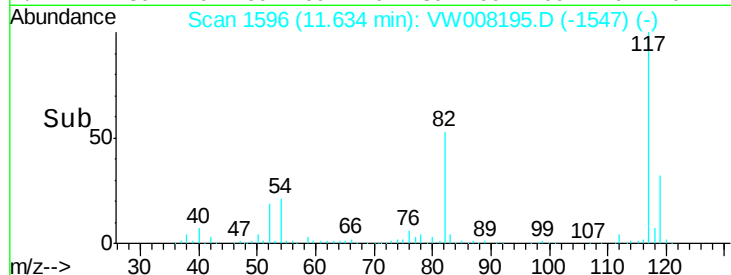
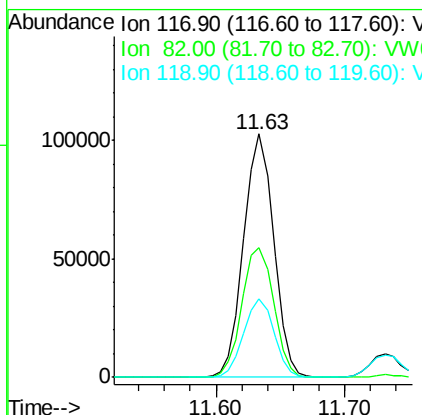
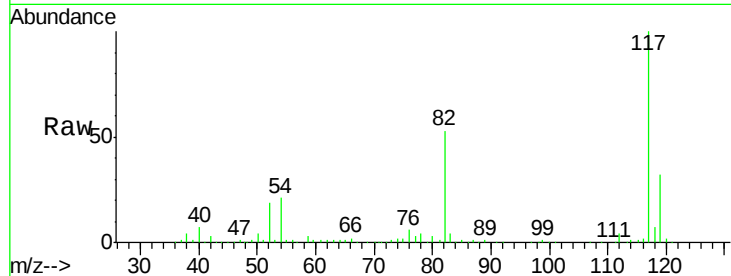
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	46.4	69.6
119	32.2	24.7	37.1

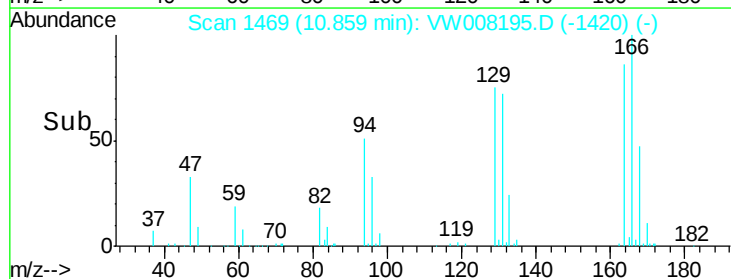
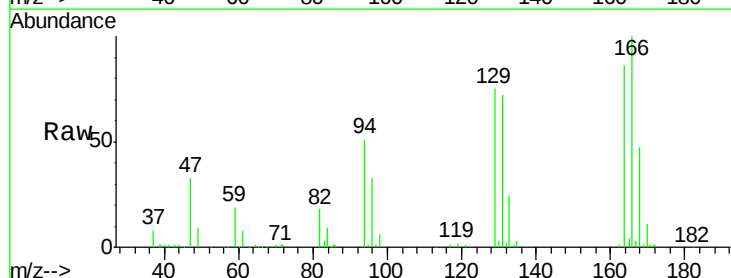
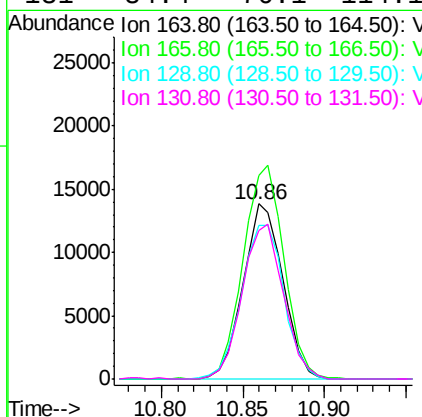
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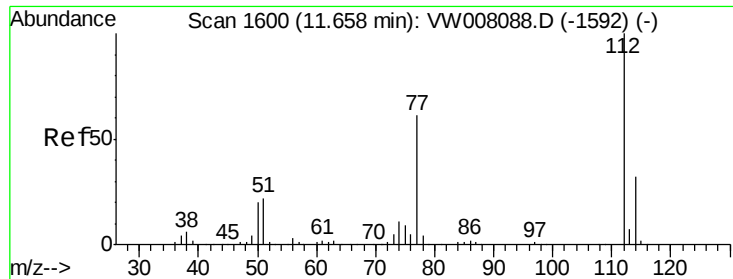
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#64
Tetrachloroethene
Concen: 21.677 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.5	100.7	151.1
129	87.6	81.0	121.4
131	84.4	76.1	114.1





#65

Chlorobenzene

Concen: 21.007 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion:112 Resp: 74069

Ion Ratio Lower Upper

112 100

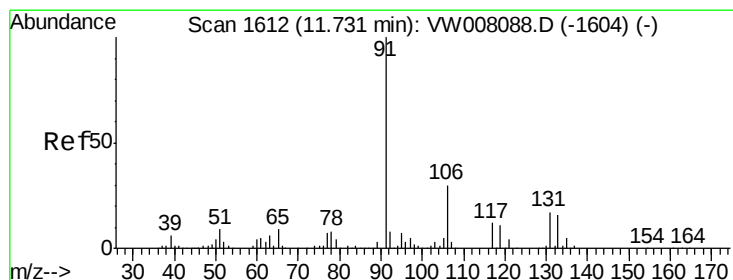
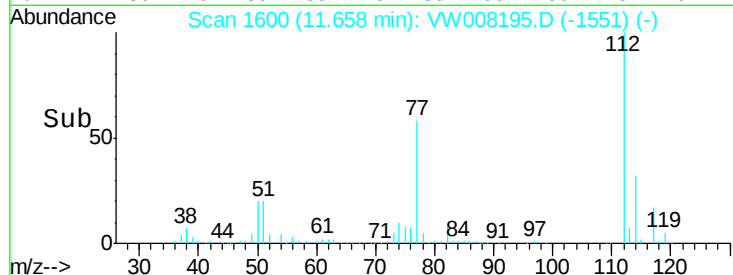
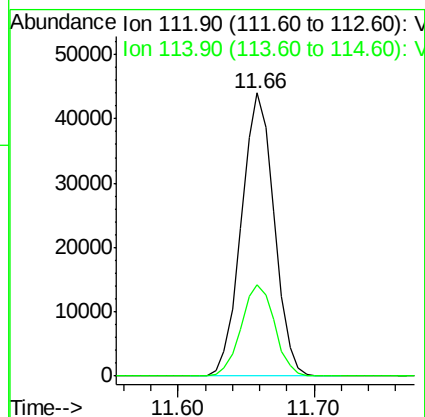
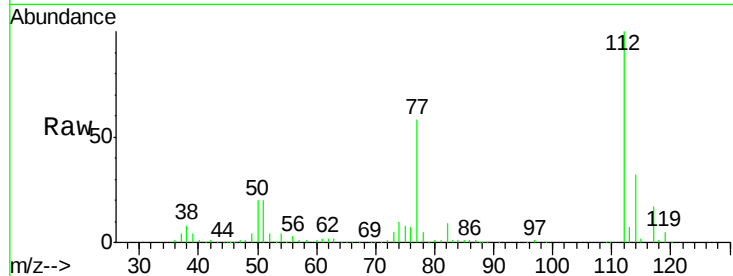
114 32.2 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.986 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

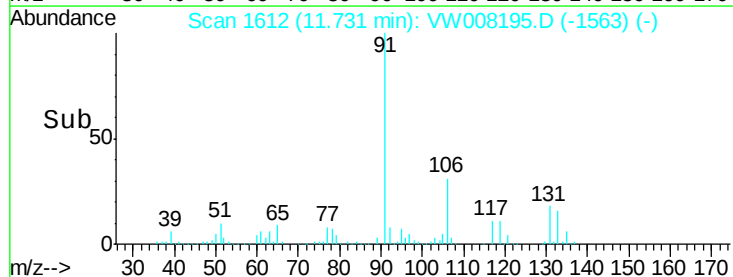
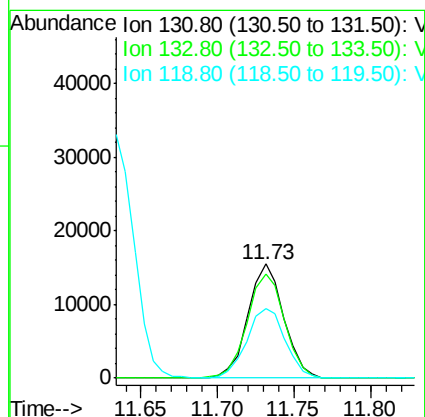
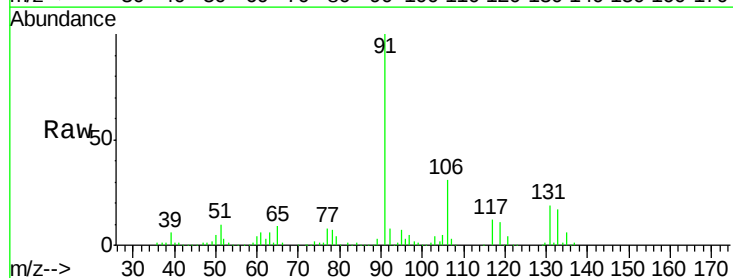
Tgt Ion:131 Resp: 25214

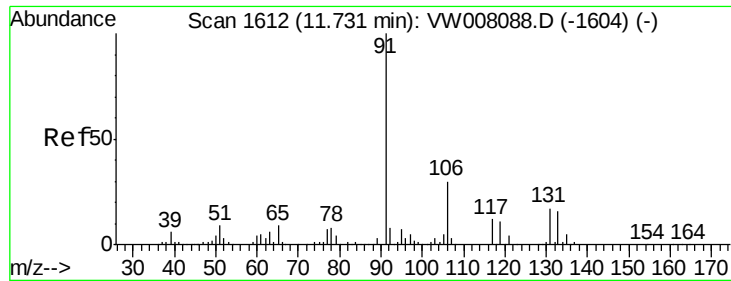
Ion Ratio Lower Upper

131 100

133 95.1 47.9 143.7

119 65.2 32.5 97.4





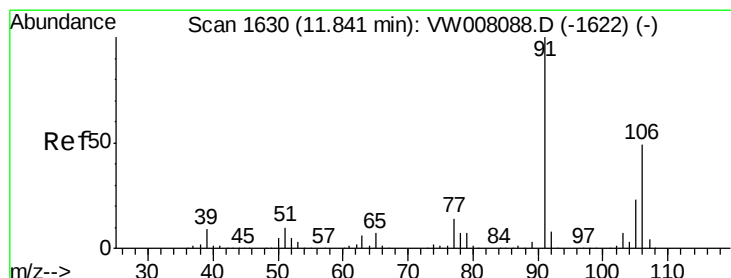
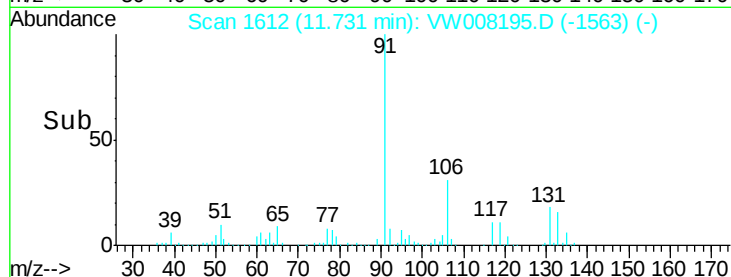
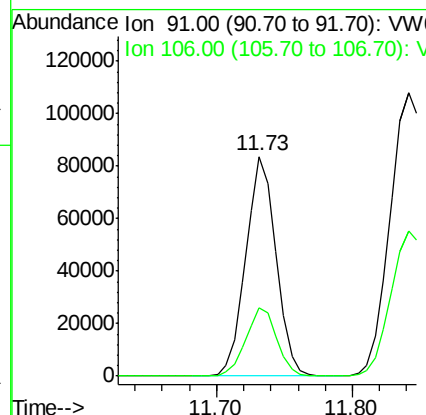
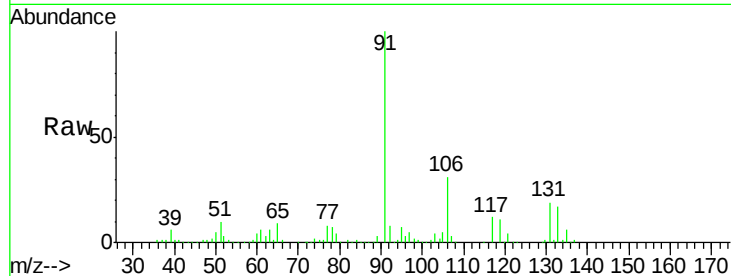
#67
Ethyl Benzene
Concen: 20.221 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion: 91 Resp: 130459
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4

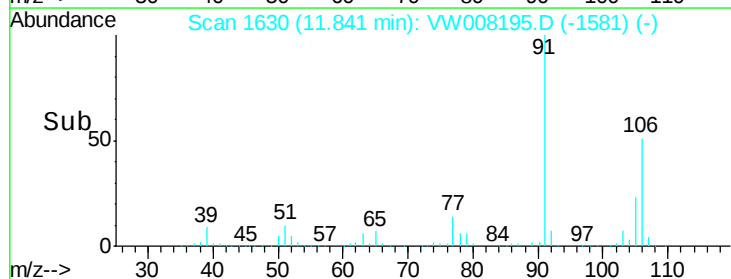
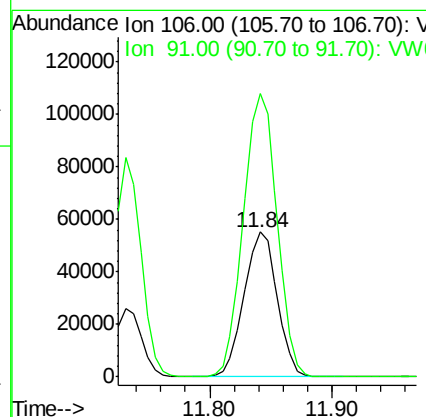
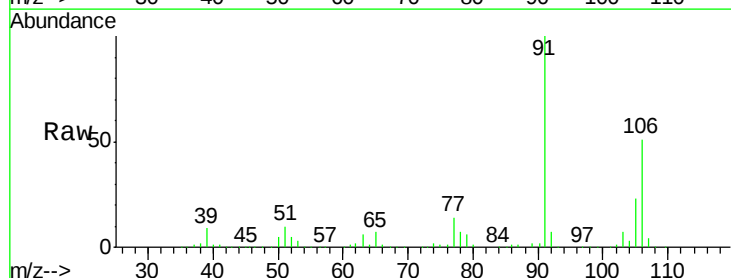
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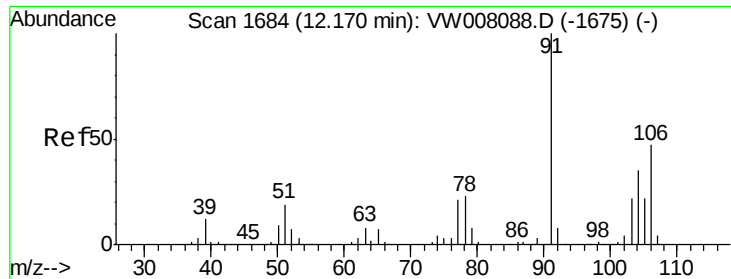
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#68
m/p-Xylenes
Concen: 42.213 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion: 106 Resp: 103949
Ion Ratio Lower Upper
106 100
91 198.7 162.4 243.6





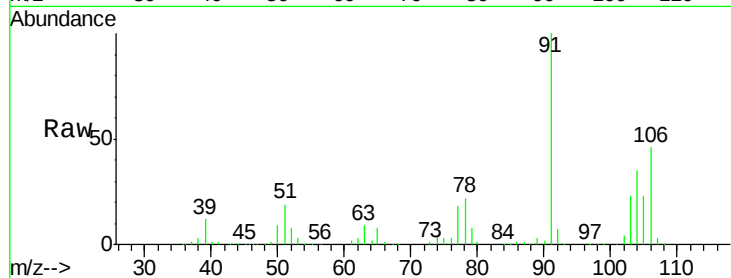
#69
o-Xylene
Concen: 20.816 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

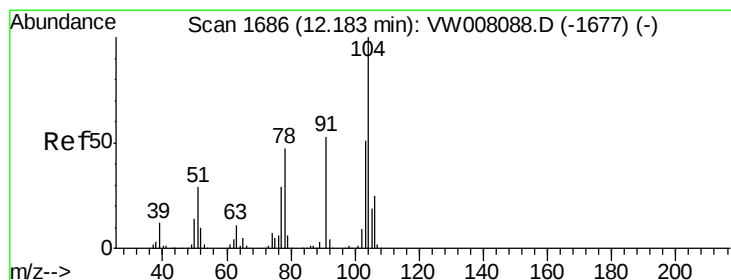
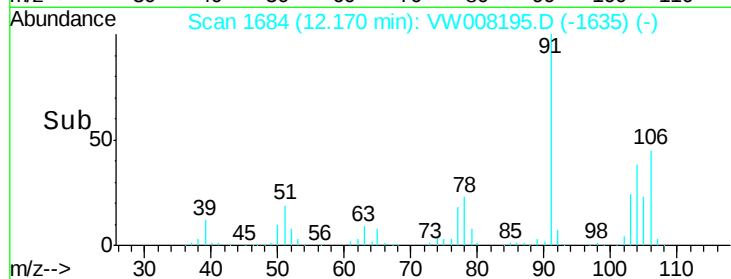
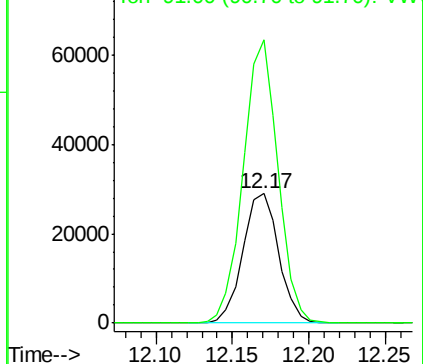
Tot Ion:106 Resp: 47469
Ion Ratio Lower Upper
106 100
91 210.2 107.8 323.6

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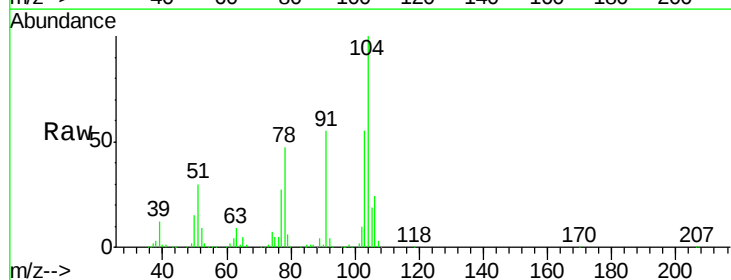


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

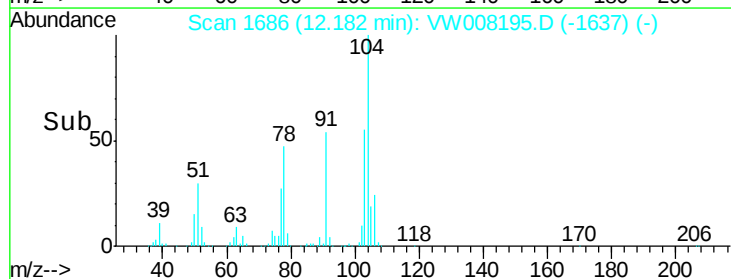
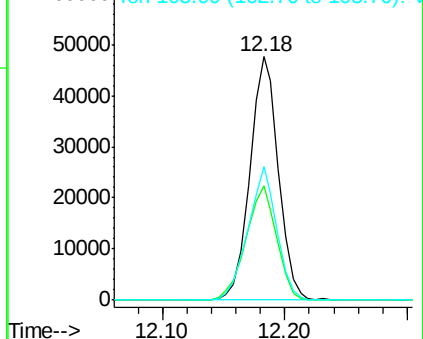


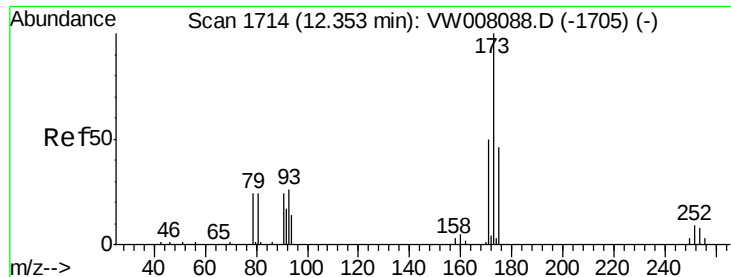
#70
Styrene
Concen: 21.567 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion:104 Resp: 77033
Ion Ratio Lower Upper
104 100
78 50.5 41.8 62.8
103 55.4 43.8 65.8



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: 23.047 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion:173 Resp: 11829

Ion Ratio Lower Upper

173 100

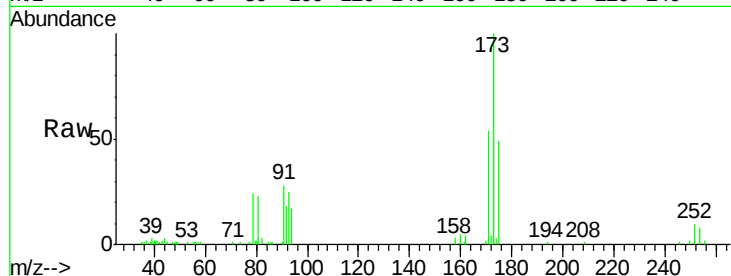
175 49.0 23.3 69.8

254 0.0 0.0 0.0

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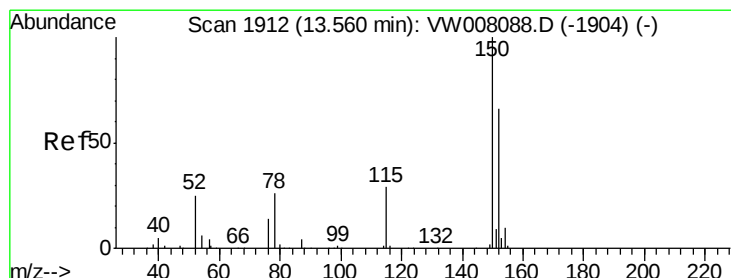
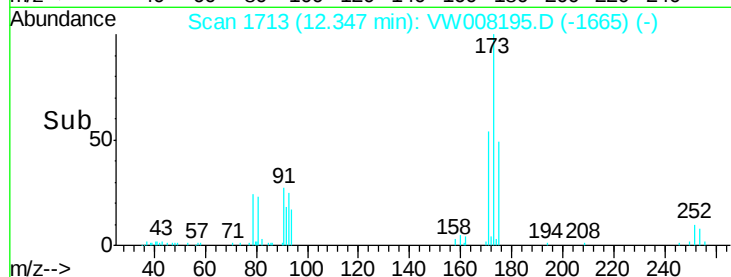
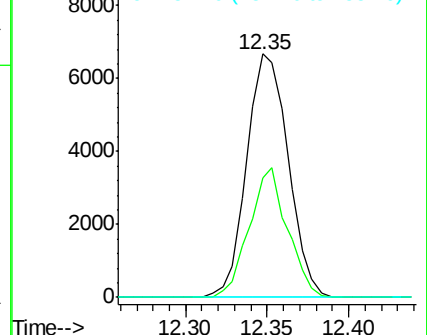
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VW008195.D

Acq: 11 Jan 2019 15:47

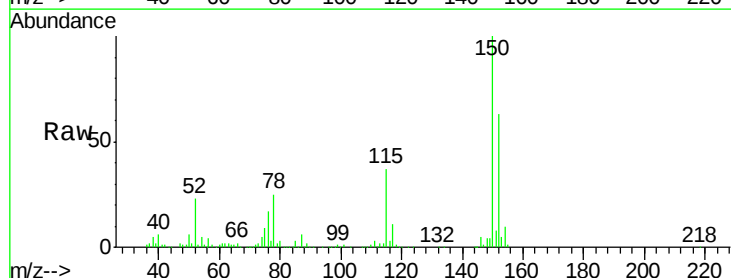
Tgt Ion:152 Resp: 82070

Ion Ratio Lower Upper

152 100

115 59.9 30.8 92.4

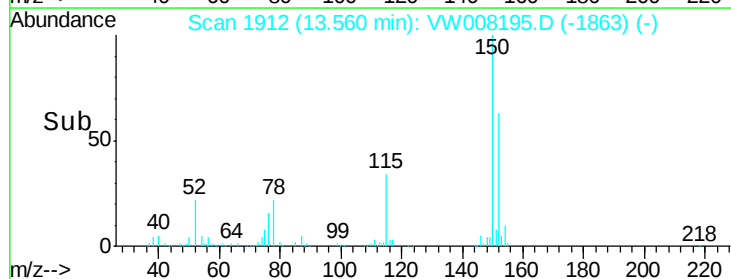
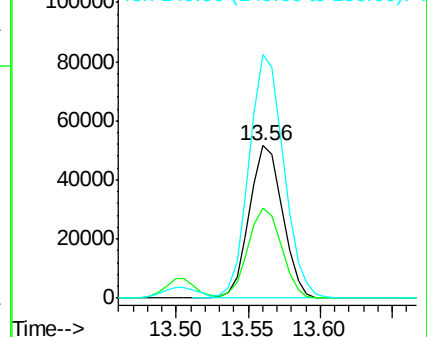
150 167.3 0.0 350.2

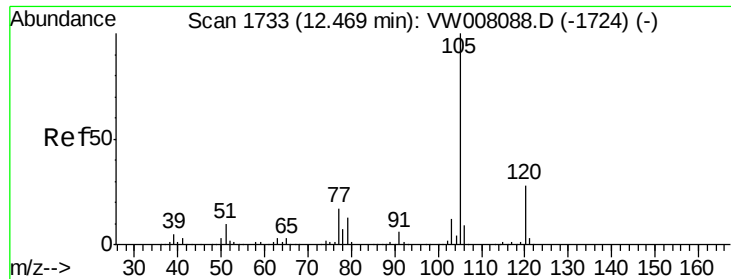


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.385 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion:105 Resp: 131344

Ion Ratio Lower Upper

105 100

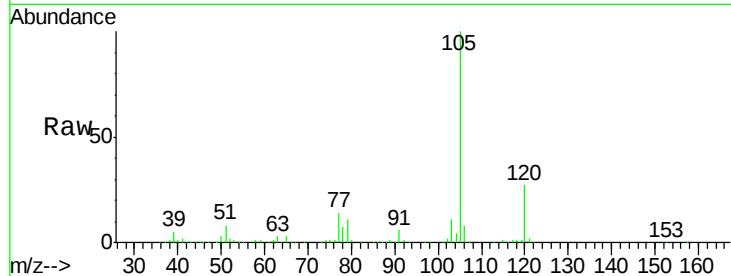
120 27.0 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

100000

80000

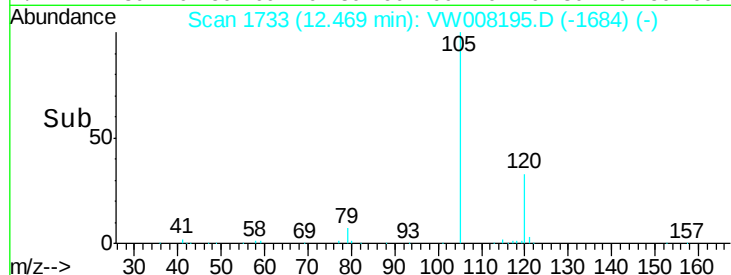
60000

40000

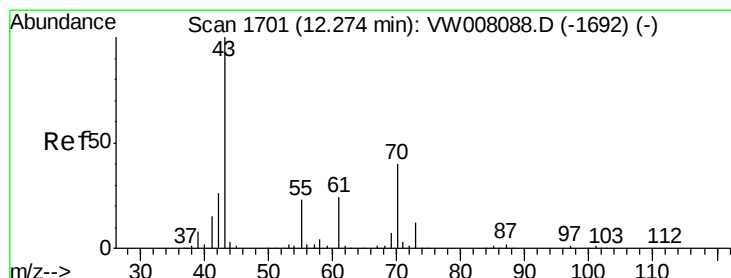
20000

0

Time-->



Time-->



#74

N-ethyl acetate

Concen: 19.041 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Tgt Ion: 43 Resp: 27170

Ion Ratio Lower Upper

43 100

70 43.3 32.4 48.6

55 26.5 18.7 28.1

61 23.5 19.0 28.6

Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

25000

20000

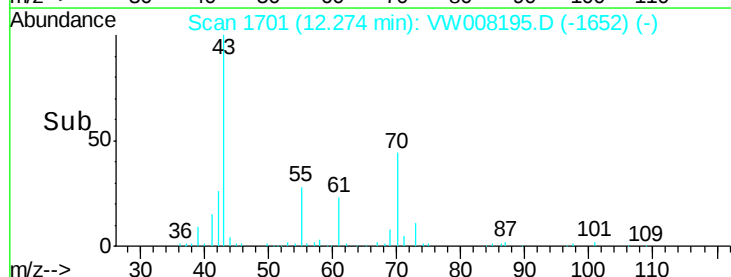
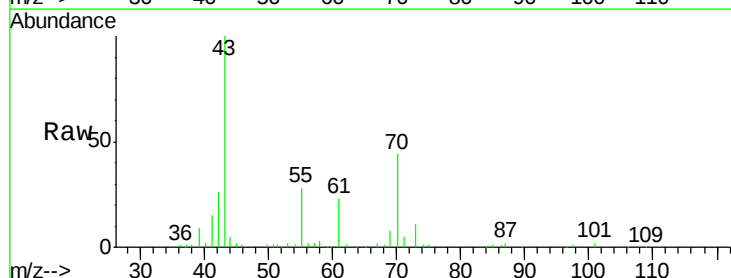
15000

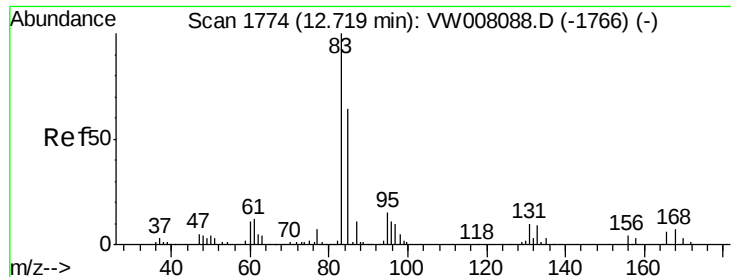
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.287 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

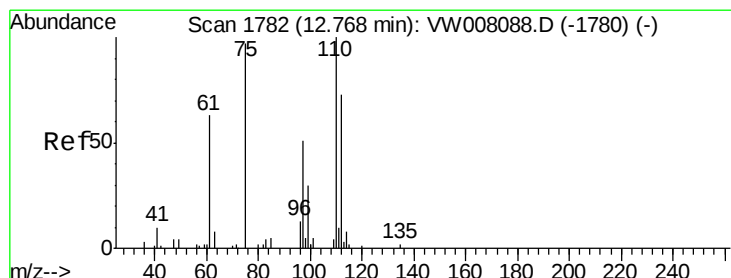
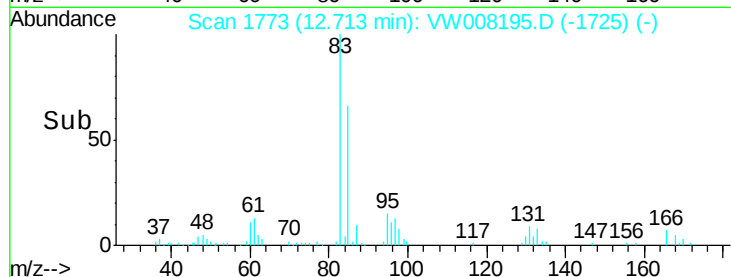
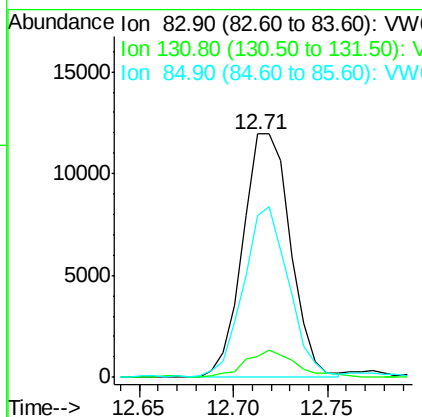
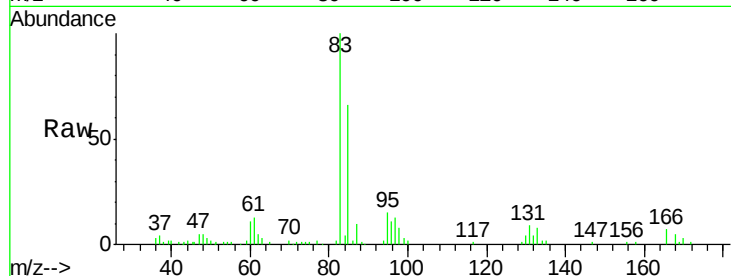
ClientSampleId :

VW0111SBSD01

Tot Ion:	83	Resp:	20923
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.3	16.1
85	66.7	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.988 ug/l m

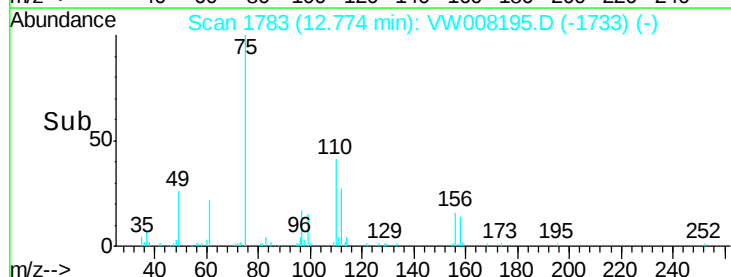
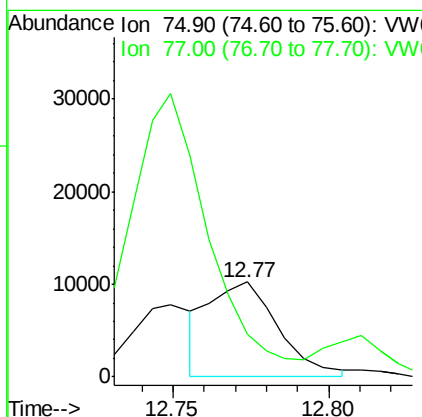
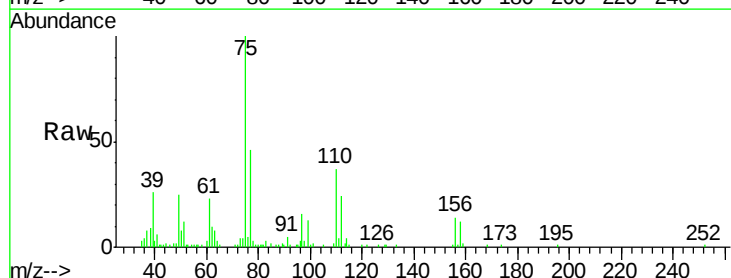
RT: 12.77 min Scan# 1783

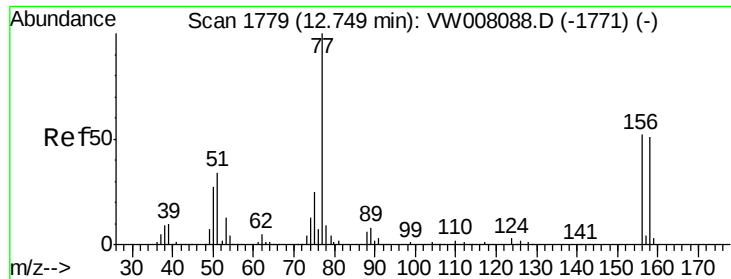
Delta R.T. 0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Tgt Ion:	75	Resp:	15702
Ion Ratio	Lower	Upper	
75	100		
77	0.0	179.4	538.2#





#77

Bromobenzene

Concen: 21.472 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

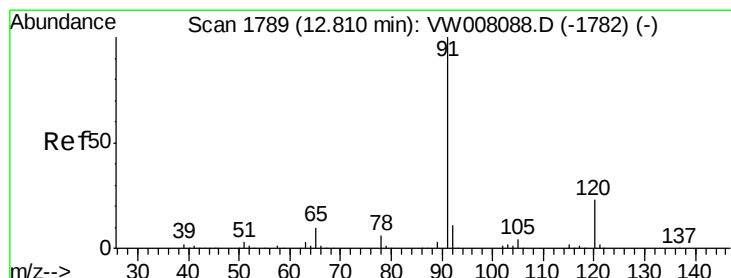
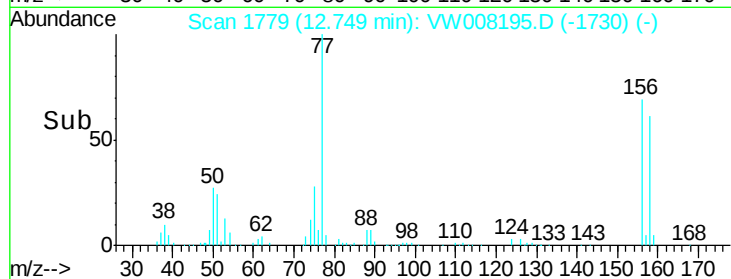
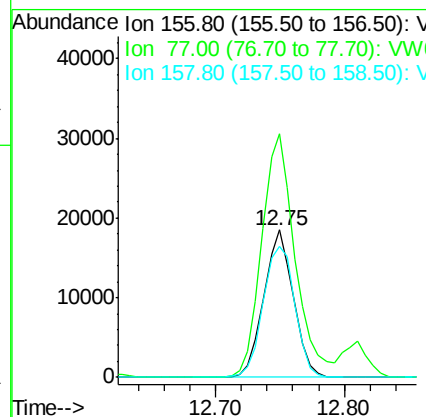
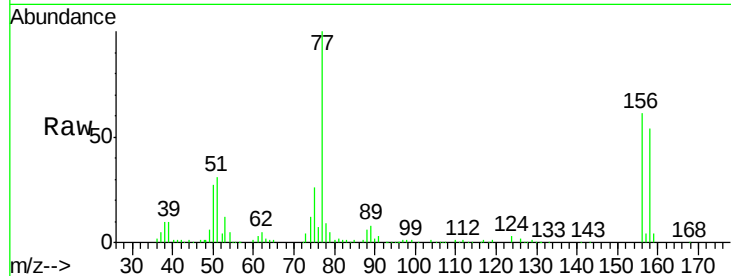
ClientSampleId :

VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.8	104.2	312.5
158	95.9	47.9	143.6

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#78

n-propylbenzene

Concen: 20.313 ug/l

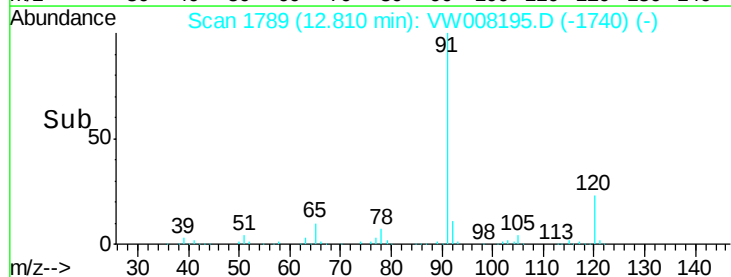
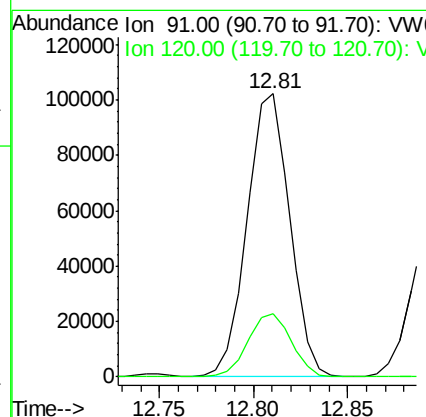
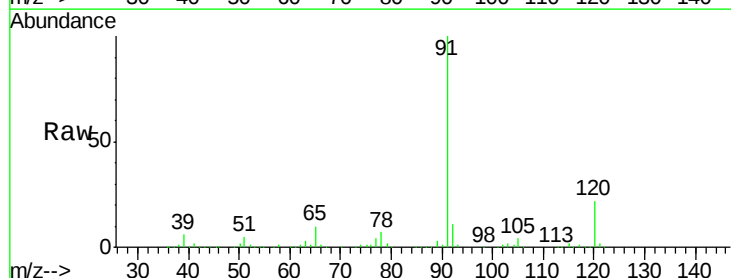
RT: 12.81 min Scan# 1789

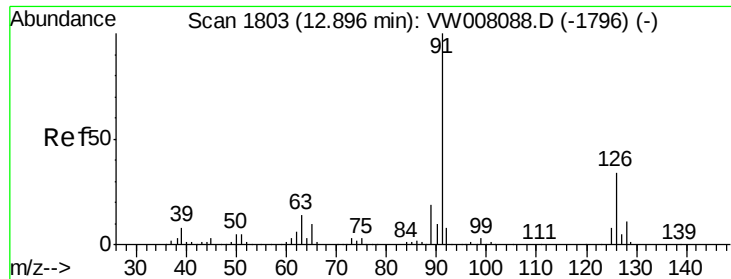
Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.8





#79

2-Chlorotoluene

Concen: 20.135 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion: 91 Resp: 88688

Ion Ratio Lower Upper

91 100

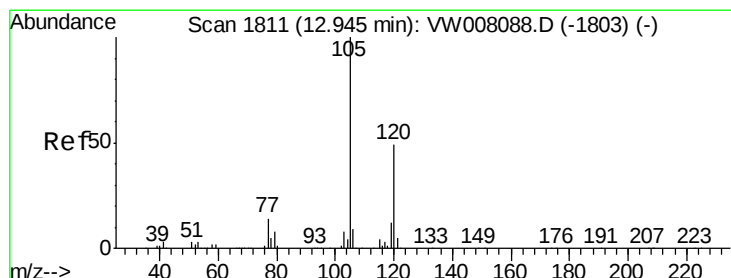
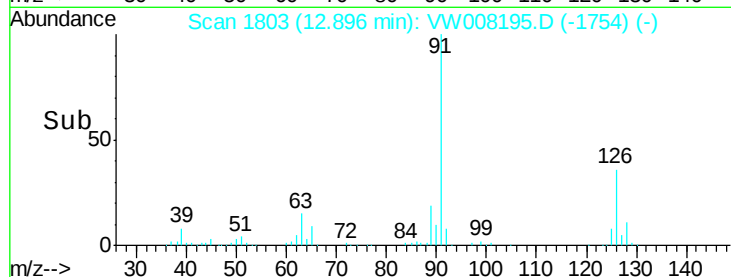
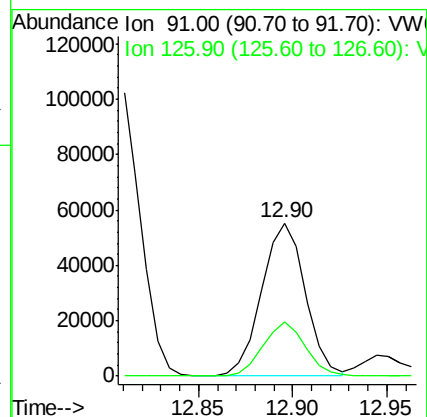
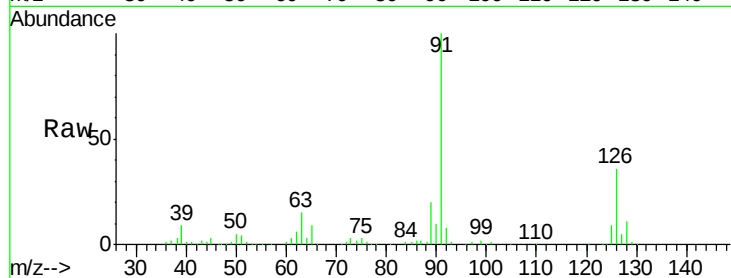
126 34.5 16.8 50.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.753 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008195.D

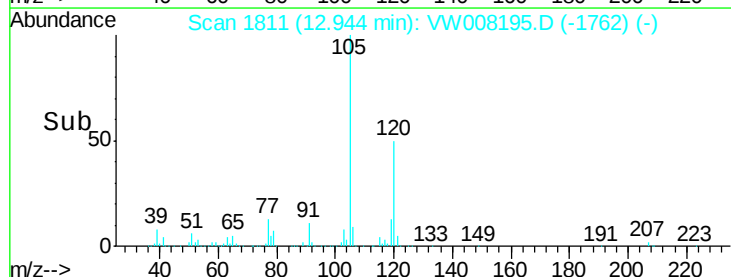
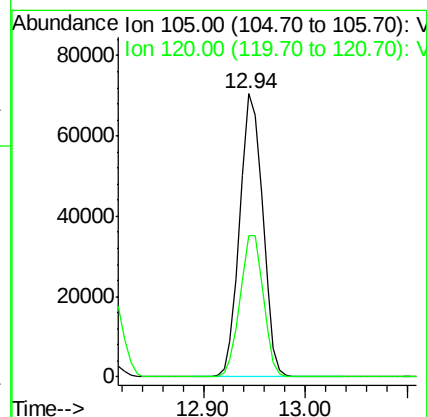
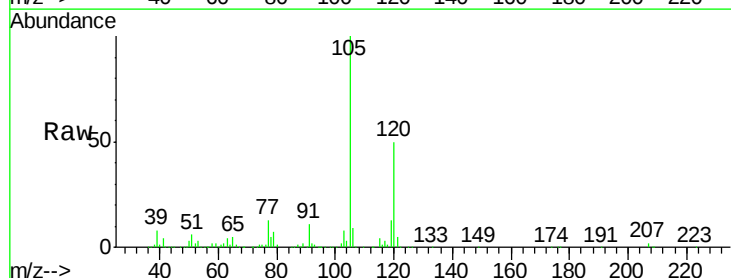
Acq: 11 Jan 2019 15:47

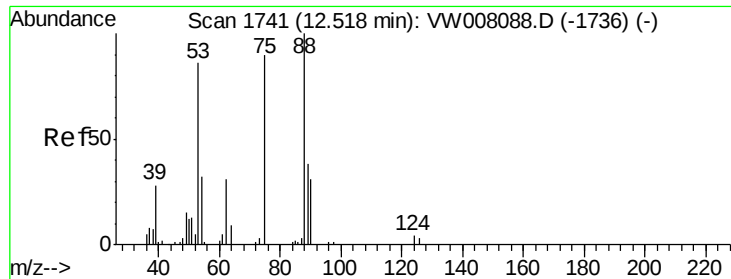
Tgt Ion:105 Resp: 109883

Ion Ratio Lower Upper

105 100

120 50.6 24.7 74.1





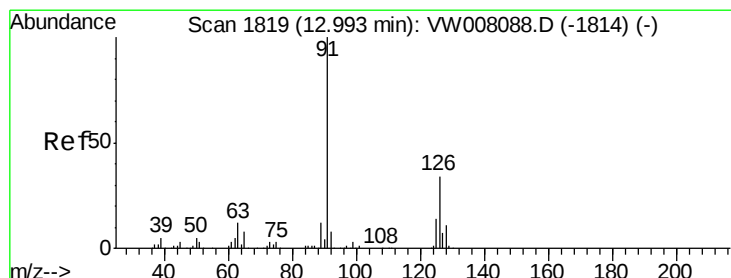
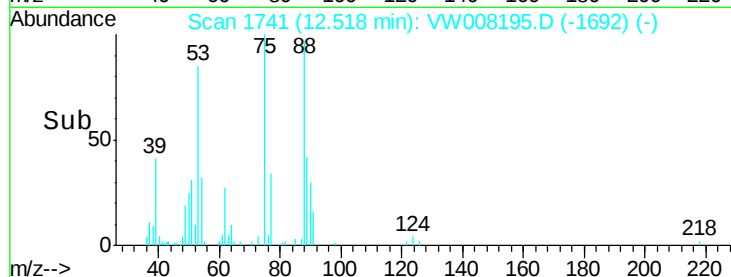
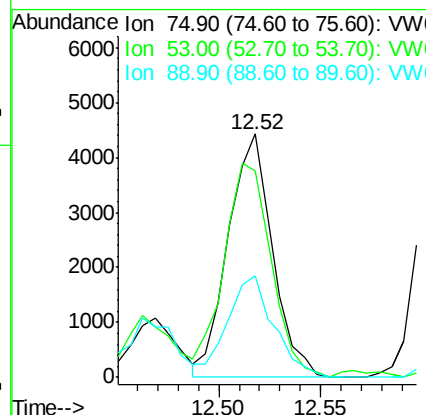
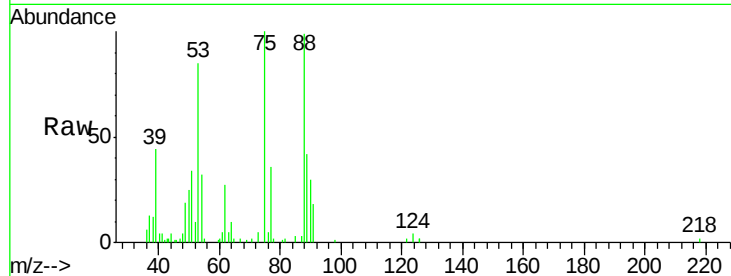
#81
trans-1,4-Dichloro-2-butene
Concen: 20.724 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	78.8	118.2
89	42.4	35.4	53.2

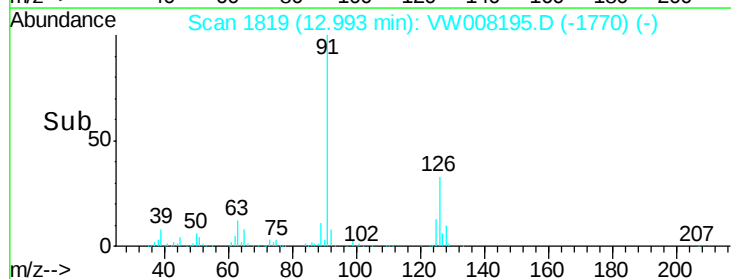
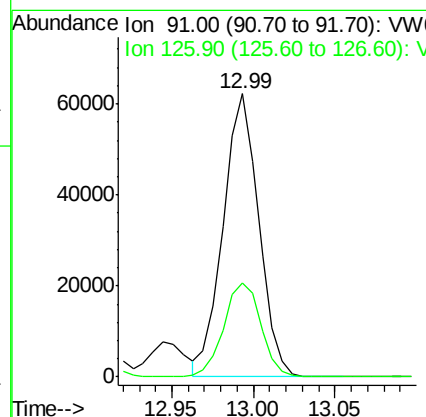
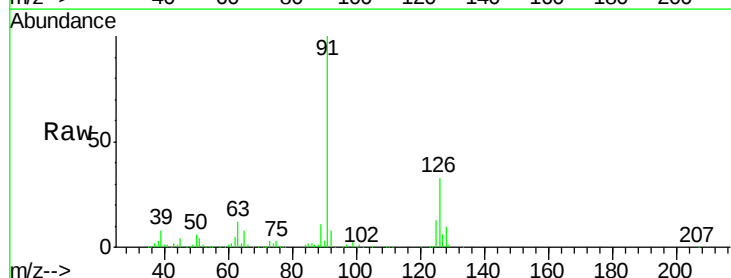
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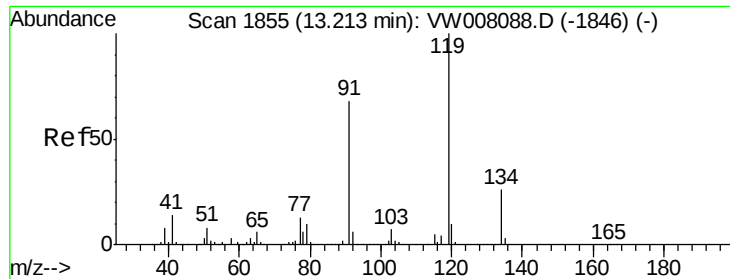
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#82
4-Chlorotoluene
Concen: 20.438 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.5	49.5





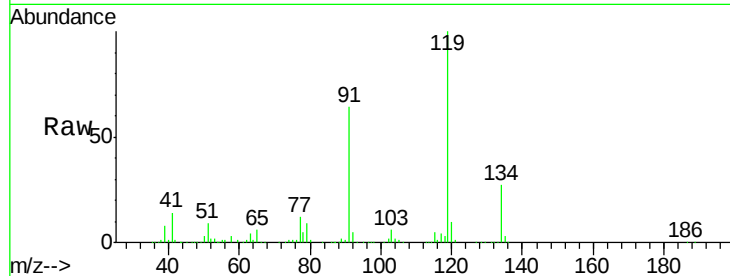
#83
tert-Butylbenzene
Concen: 20.629 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	33.9	101.6
134	26.6	13.6	40.8

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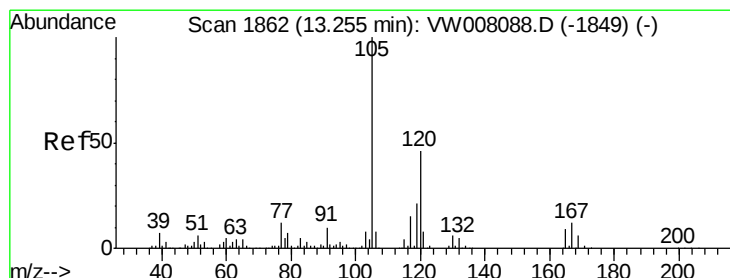
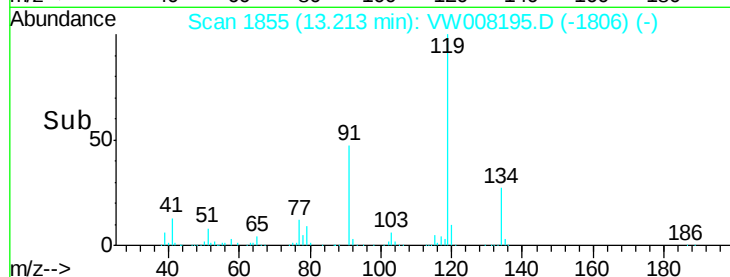
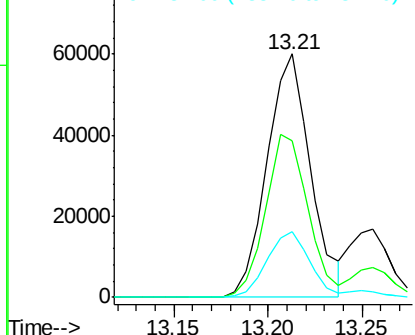


Abundance

Ion 119.00 (118.70 to 119.70): V

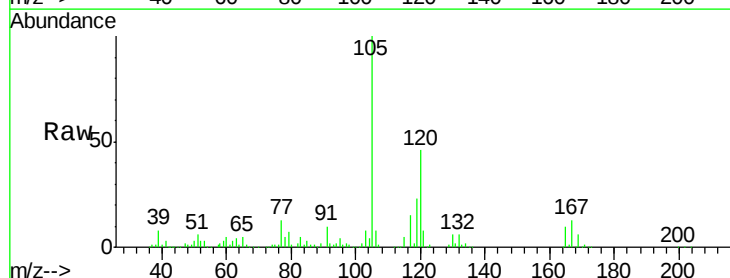
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 20.342 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

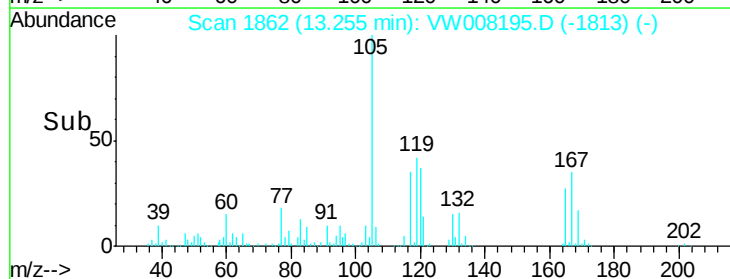
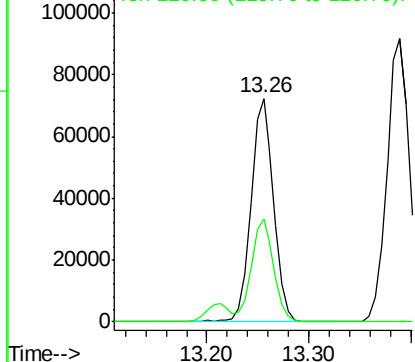
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1

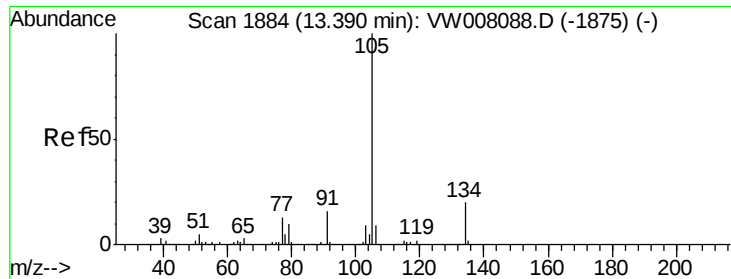


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.594 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

Tot Ion:105 Resp: 141310

Ion Ratio Lower Upper

105 100

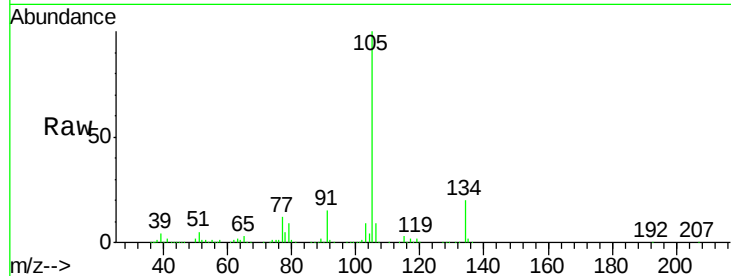
134 20.4 10.1 30.1

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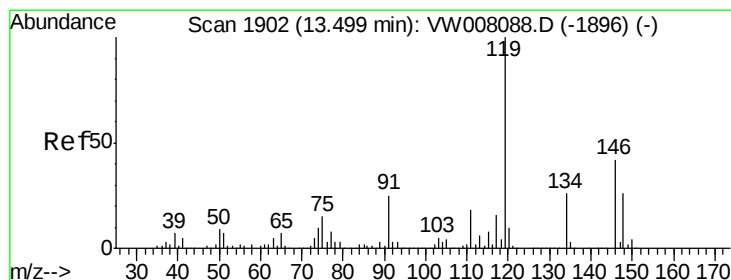
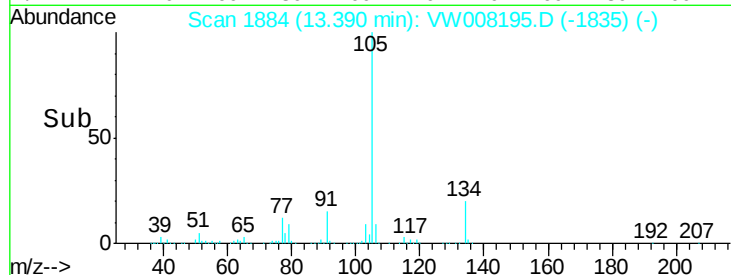
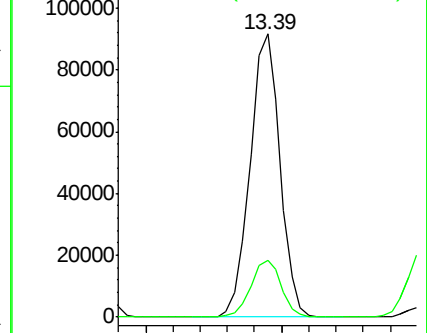
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.583 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

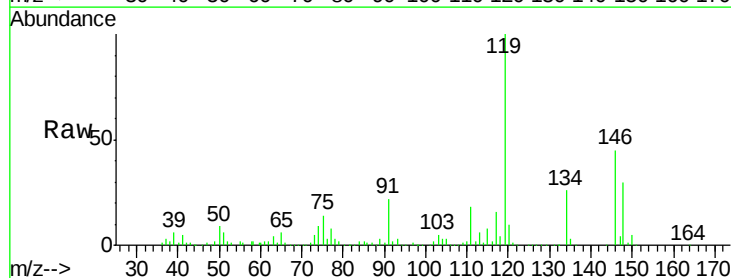
Tgt Ion:119 Resp: 121960

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

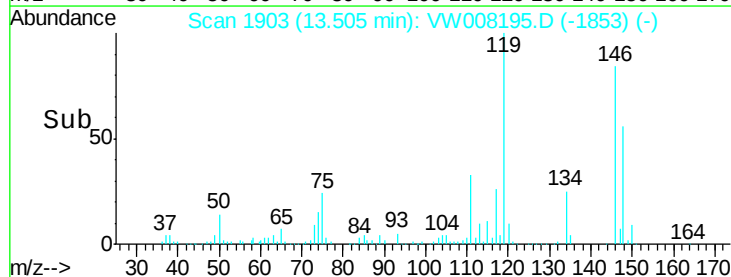
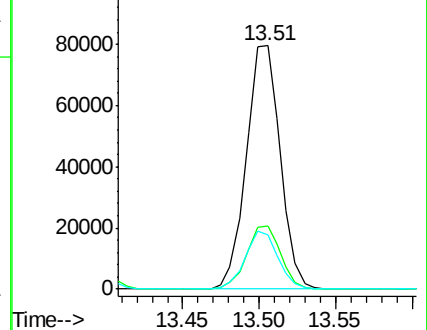
91 23.3 12.3 36.9

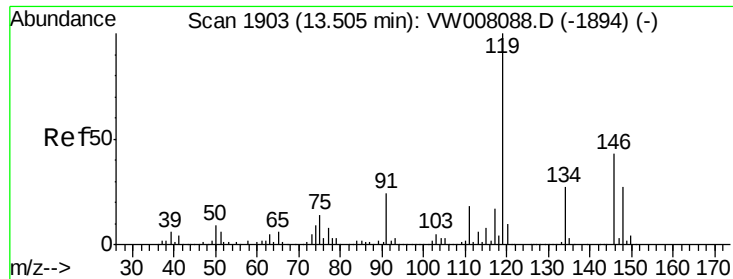


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





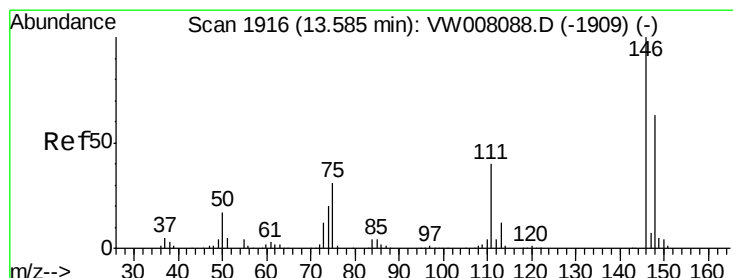
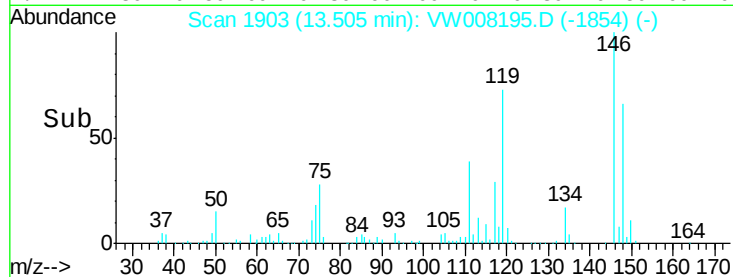
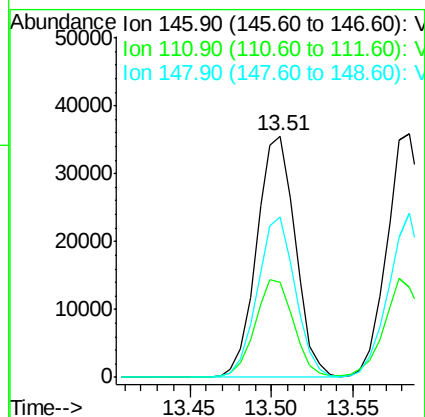
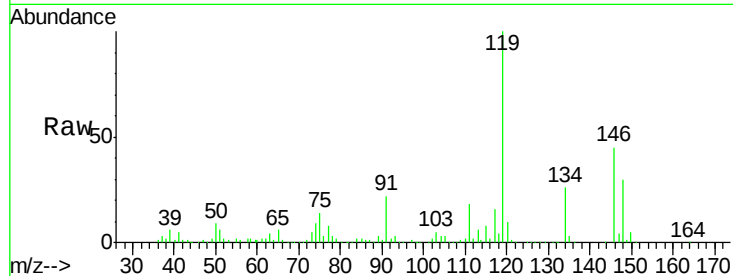
#87
 1,3-Dichlorobenzene
 Concen: 21.203 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.1
148	65.0	31.3	93.9

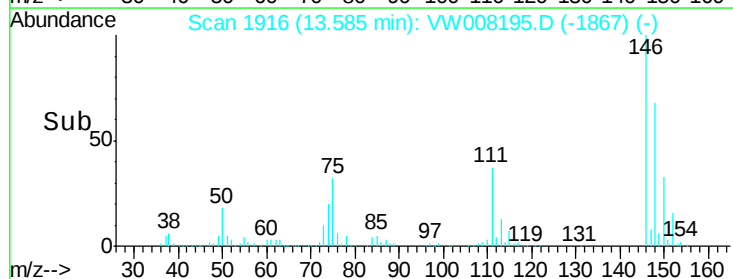
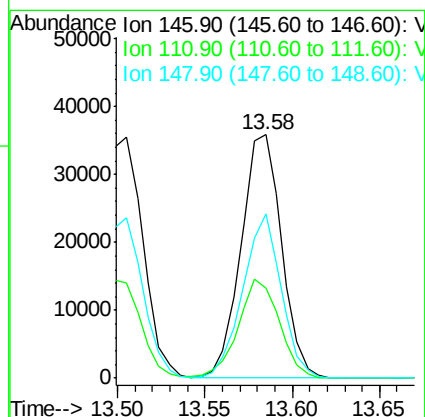
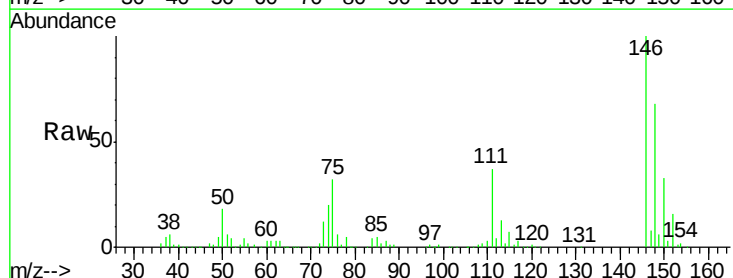
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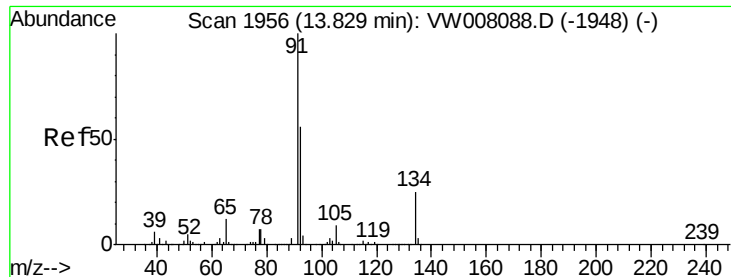
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#88
 1,4-Dichlorobenzene
 Concen: 20.979 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	64.1	31.6	94.8





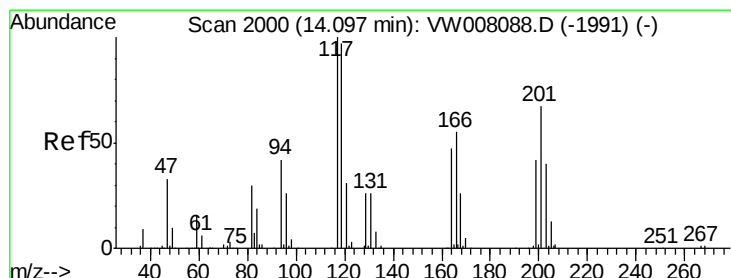
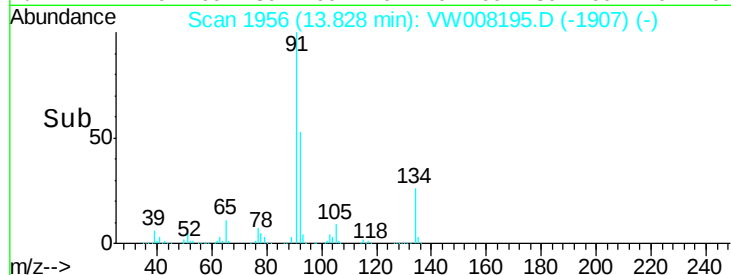
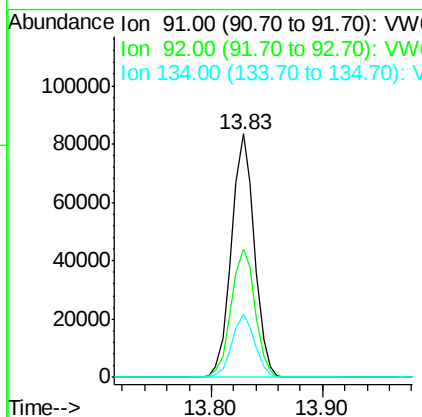
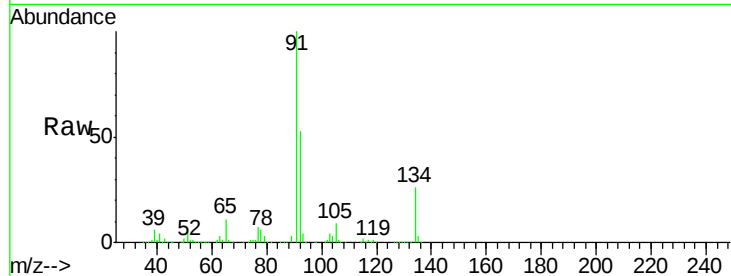
#89
n-Butylbenzene
Concen: 20.518 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	119076		
92	54.6		27.4	82.2
134	25.9		12.6	37.8

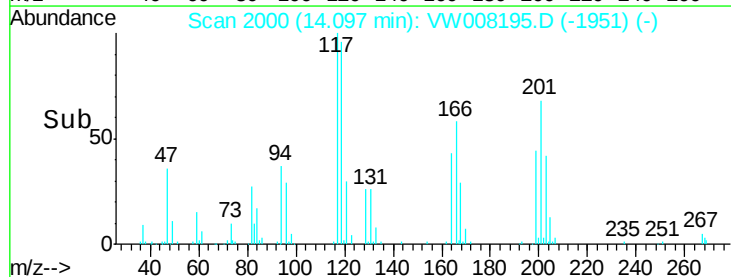
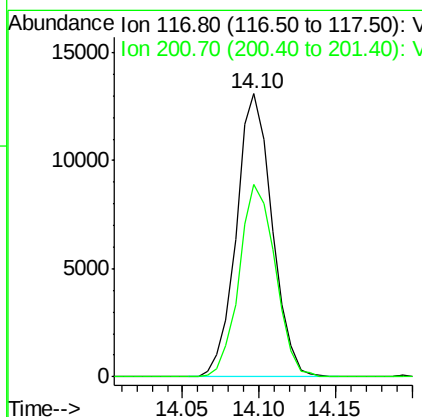
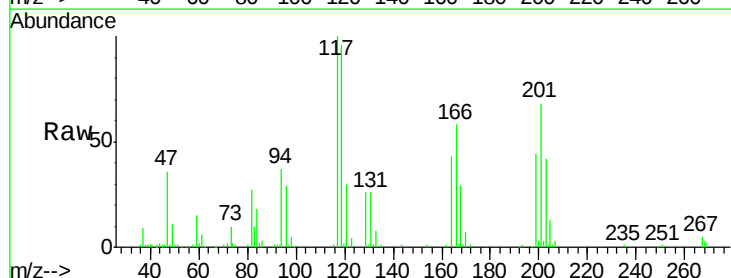
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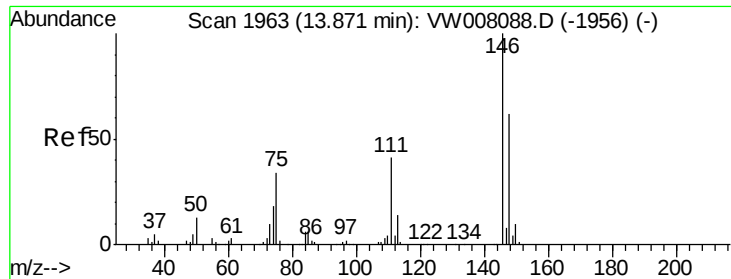
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#90
Hexachloroethane
Concen: 21.200 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	21218		
201	68.5		33.0	98.9





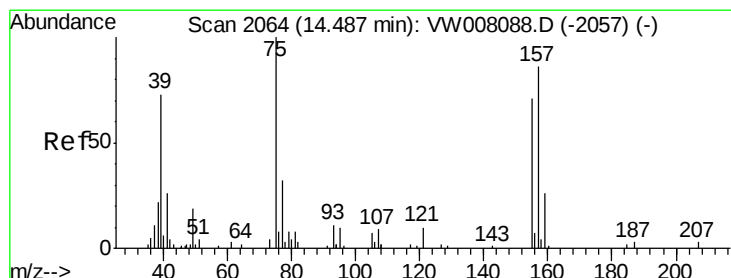
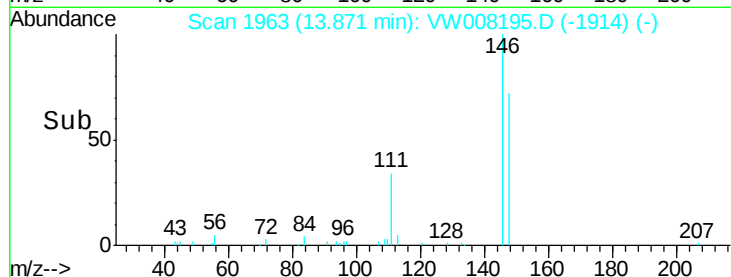
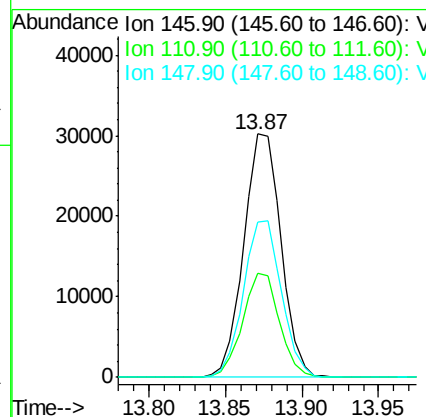
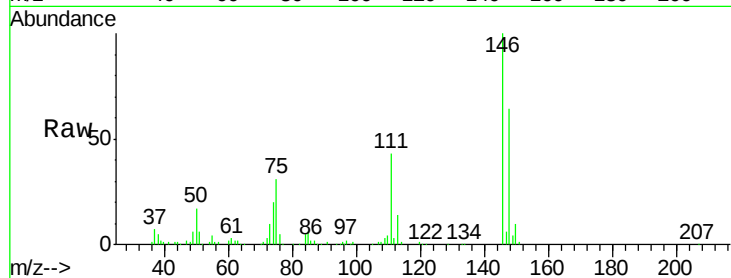
#91
 1,2-Dichlorobenzene
 Concen: 21.093 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	65.5	31.5	94.5

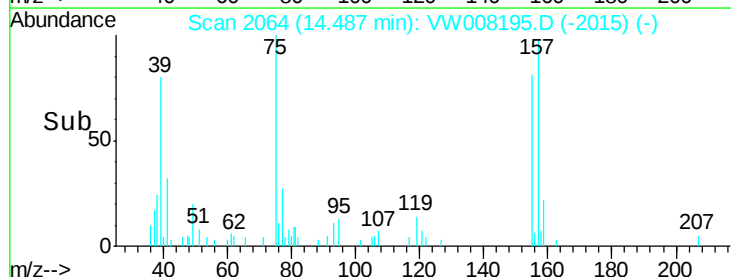
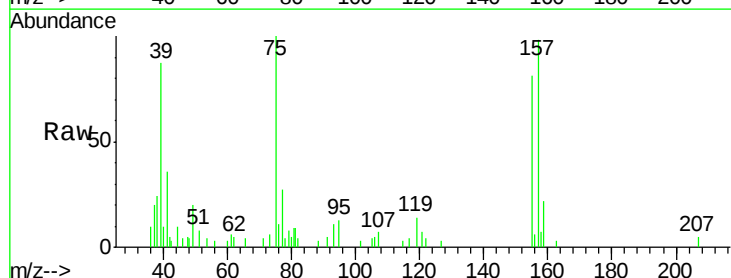
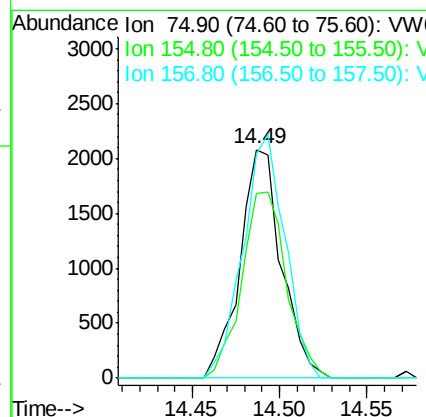
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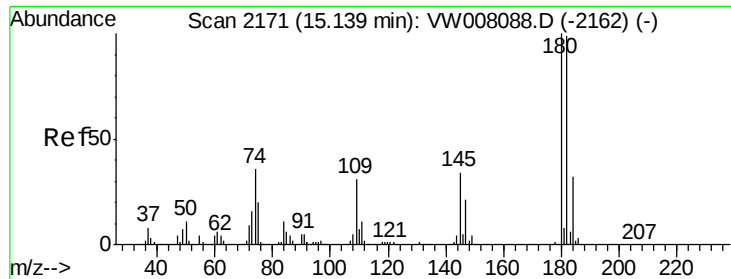
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.786 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	38.6	115.7
157	107.4	47.5	142.6





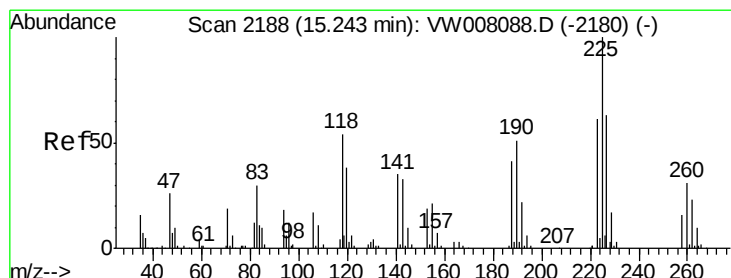
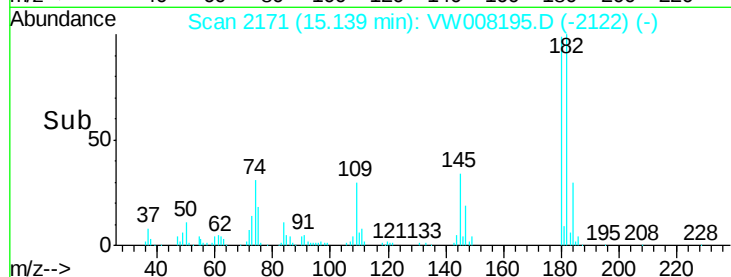
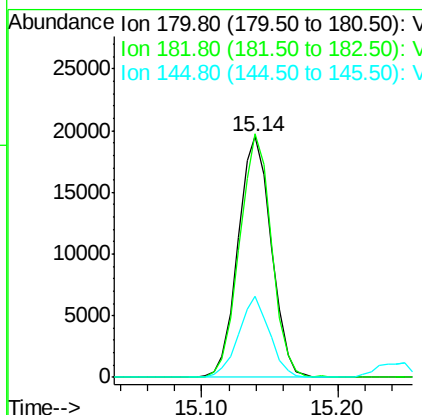
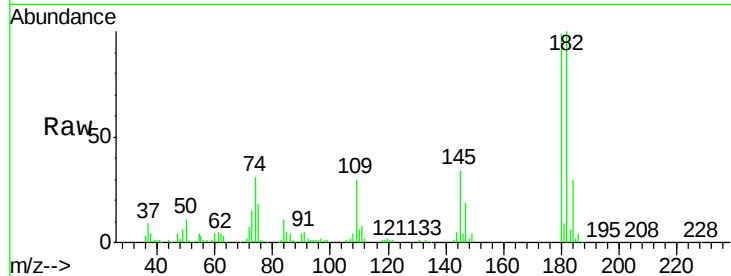
#93
 1,2,4-Trichlorobenzene
 Concen: 20.605 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.6	145.9
145	31.5	16.6	49.7

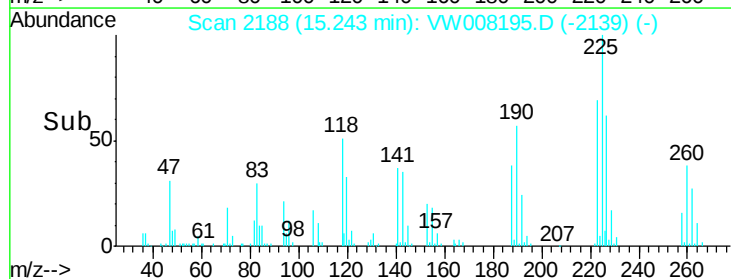
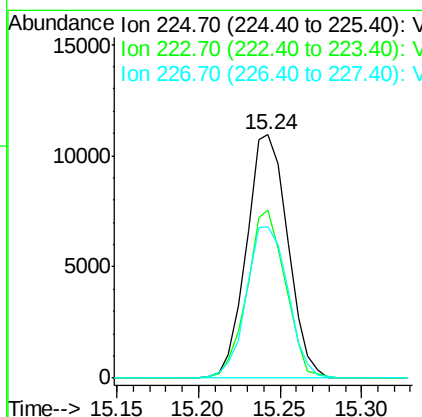
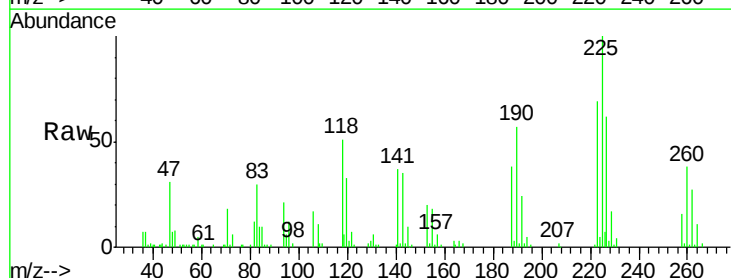
Manual Integrations
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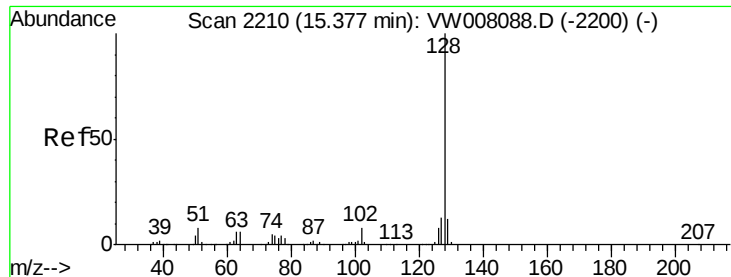
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#94
 Hexachlorobutadiene
 Concen: 22.366 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.4	94.3
227	62.5	32.0	96.2





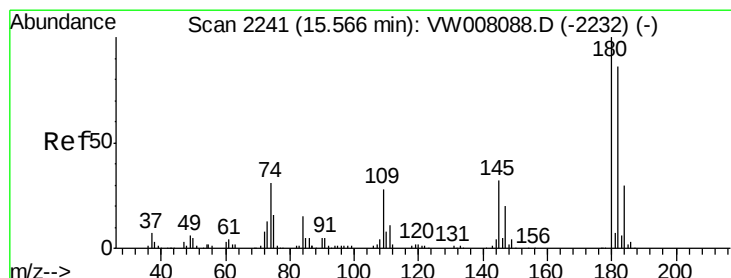
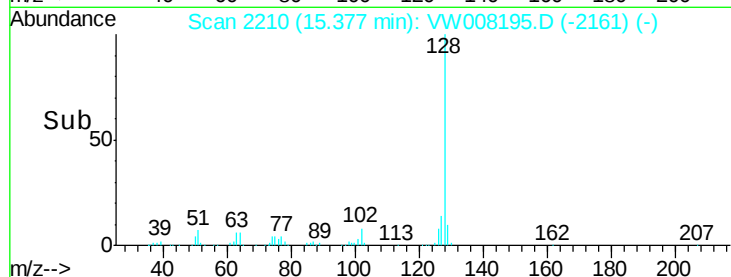
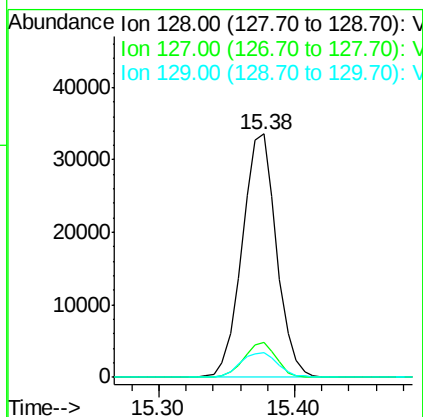
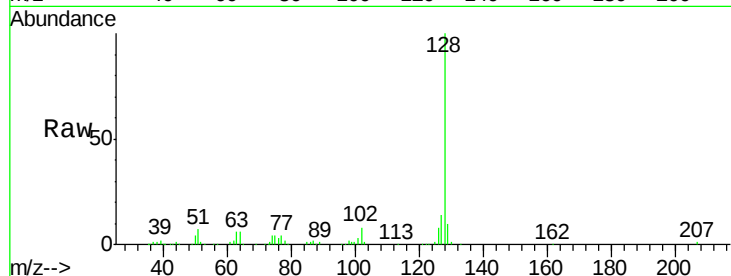
#95
Naphthalene
Concen: 19.663 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	11.0	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.738 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.5	139.3
145	34.8	17.4	52.2

