

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008216.D
 Acq On : 12 Jan 2019 03:09
 Operator : SY/VA
 Sample : VW0111SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBS02

Manual Integrations
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 1/14/2019 2:42:22 PM

Quant Time: Jan 12 03:42:59 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	86704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	152728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69378	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52104	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
35) Dibromofluoromethane	7.88	113	51299	57.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.18%	
50) Toluene-d8	10.32	98	213613	57.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.30%	
62) 4-Bromofluorobenzene	12.62	95	74108	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	12236	17.292	ug/l	91
3) Chloromethane	2.21	50	17649	19.225	ug/l	94
4) Vinyl Chloride	2.37	62	22641	18.896	ug/l	90
5) Bromomethane	2.79	94	19279	21.479	ug/l	92
6) Chloroethane	2.92	64	16429	18.222	ug/l	92
7) Trichlorofluoromethane	3.26	101	17294	17.754	ug/l	90
8) Diethyl Ether	3.68	74	11605	21.074	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18888	19.530	ug/l	98
10) Methyl Iodide	4.26	142	29642	21.030	ug/l	99
11) Tert butyl alcohol	5.22	59	5471	72.314	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	19033	20.045	ug/l	85
13) Acrolein	3.90	56	4935	75.020	ug/l	94
14) Allyl chloride	4.67	41	32493	18.848	ug/l	96
15) Acrylonitrile	5.38	53	22310	106.416	ug/l	98
16) Acetone	4.14	43	16914	82.382	ug/l	95
17) Carbon Disulfide	4.37	76	56950	19.200	ug/l	99
18) Methyl Acetate	4.68	43	12359	20.067	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	31210	20.219	ug/l	97
20) Methylene Chloride	4.91	84	23085	21.301	ug/l	87
21) trans-1,2-Dichloroethene	5.42	96	21421	20.760	ug/l	89
22) Diisopropyl ether	6.31	45	67086	20.404	ug/l	96
23) Vinyl Acetate	6.26	43	168124	97.364	ug/l	98
24) 1,1-Dichloroethane	6.22	63	39645	20.695	ug/l	99
25) 2-Butanone	7.18	43	26435	97.499	ug/l	97
26) 2,2-Dichloropropane	7.17	77	24862	19.154	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	23433	20.815	ug/l	95
28) Bromochloromethane	7.51	49	13862	18.294	ug/l	96
29) Tetrahydrofuran	7.53	42	17074	94.273	ug/l	95
30) Chloroform	7.68	83	39018	21.398	ug/l	93
31) Cyclohexane	7.95	56	34684	16.913	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	32341	20.384	ug/l	99
36) 1,1-Dichloropropene	8.09	75	30501	19.387	ug/l	97
37) Ethyl Acetate	7.26	43	12398	19.670	ug/l #	95
38) Carbon Tetrachloride	8.07	117	28740	19.959	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	34942	17.516	ug/l	90
40) Benzene	8.32	78	88010	20.625	ug/l	98
41) Methacrylonitrile	7.48	41	7574	19.023	ug/l	96
42) 1,2-Dichloroethane	8.40	62	24403	20.333	ug/l	98
43) Isopropyl Acetate	8.43	43	23771	18.863	ug/l	96
44) Trichloroethene	9.09	130	22584	20.675	ug/l	97
45) 1,2-Dichloropropane	9.37	63	22411	21.181	ug/l	100
46) Dibromomethane	9.46	93	11135	21.429	ug/l	98
47) Bromodichloromethane	9.65	83	28342	21.481	ug/l	97
48) Methyl methacrylate	9.44	41	11428	19.219	ug/l	91
49) 1,4-Dioxane	9.48	88	3784	452.826	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	61018	100.029	ug/l	98
52) Toluene	10.39	92	56570	20.759	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	27075	19.728	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	32458	19.944	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	16095	22.062	ug/l	98
56) Ethyl methacrylate	10.65	69	18368	20.330	ug/l	96
57) 1,3-Dichloropropane	10.93	76	28337	21.238	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	48761	104.482	ug/l	99
59) 2-Hexanone	10.97	43	40106	97.223	ug/l	98
60) Dibromochloromethane	11.13	129	17923	22.372	ug/l	98
61) 1,2-Dibromoethane	11.24	107	15437	22.300	ug/l	97
64) Tetrachloroethene	10.87	164	19097	20.608	ug/l	97
65) Chlorobenzene	11.66	112	61565	20.408	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	20406	20.797	ug/l	97
67) Ethyl Benzene	11.73	91	107172	19.416	ug/l	97
68) m/p-Xylenes	11.84	106	83408	39.590	ug/l	99
69) o-Xylene	12.17	106	38606	19.788	ug/l	99
70) Styrene	12.18	104	62876	20.575	ug/l	98
71) Bromoform	12.35	173	10044	22.872	ug/l #	99
73) Isopropylbenzene	12.47	105	104397	19.167	ug/l	99
74) N-amyl acetate	12.27	43	23007	19.074	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	18571	21.301	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13309m	21.043	ug/l	
77) Bromobenzene	12.75	156	23959	20.818	ug/l	92
78) n-propylbenzene	12.81	91	129709	19.435	ug/l	99
79) 2-Chlorotoluene	12.90	91	72982	19.601	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	91054	20.343	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	4974	18.314	ug/l	99
82) 4-Chlorotoluene	12.99	91	77149	19.673	ug/l	98
83) tert-Butylbenzene	13.21	119	75971	19.185	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	90863	19.683	ug/l	98
85) sec-Butylbenzene	13.39	105	110887	19.117	ug/l	100
86) p-Isopropyltoluene	13.51	119	95936	19.153	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	48789	20.898	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	48392	20.660	ug/l	99
89) n-Butylbenzene	13.83	91	92384	18.831	ug/l	98
90) Hexachloroethane	14.10	117	17444	20.618	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	43234	21.071	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2712	19.329	ug/l	87

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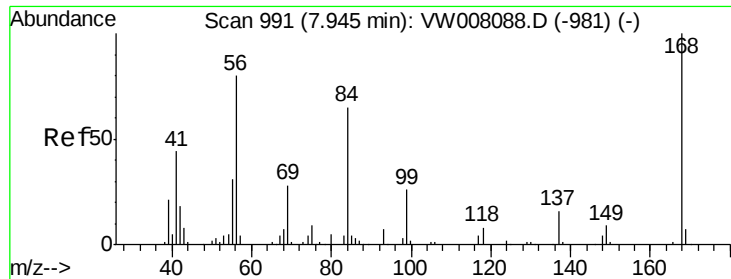
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26832	19.697	ug/l	98
94) Hexachlorobutadiene	15.24	225	15107	20.720	ug/l	97
95) Naphthalene	15.38	128	49604	19.502	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	23455	20.198	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBS02

Tot Ion:168 Resp: 86704

Ion Ratio Lower Upper

168 100

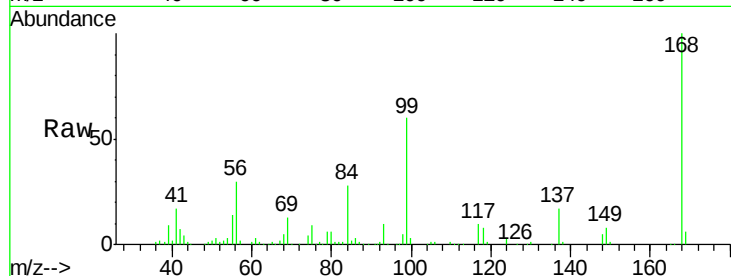
99 60.0 52.6 78.8

Manual Integrations

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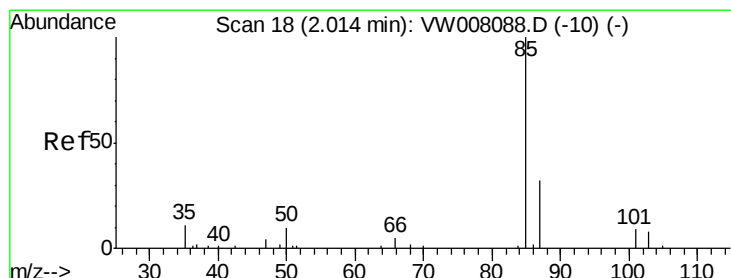
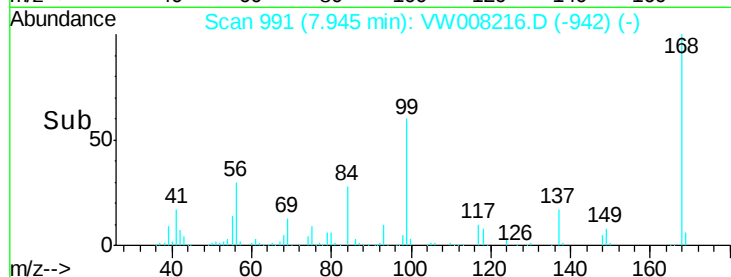
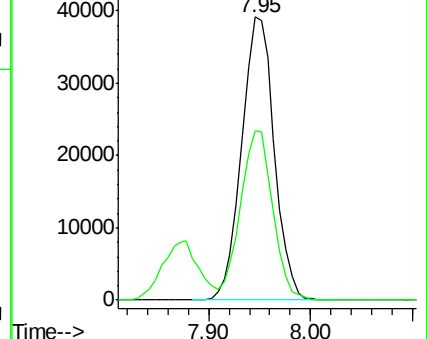
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.292 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008216.D

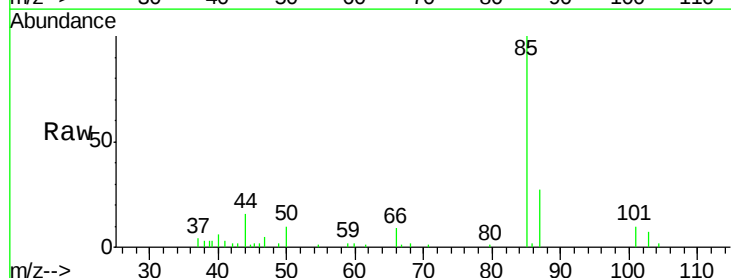
Acq: 12 Jan 2019 03:09

Tgt Ion: 85 Resp: 12236

Ion Ratio Lower Upper

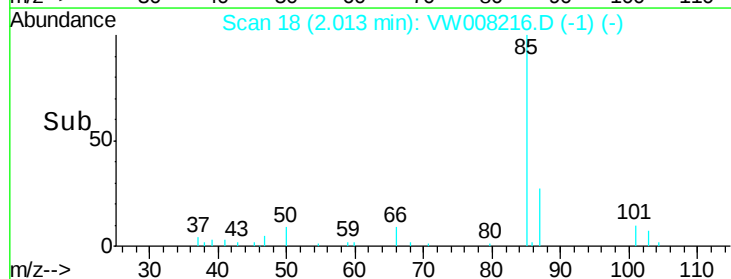
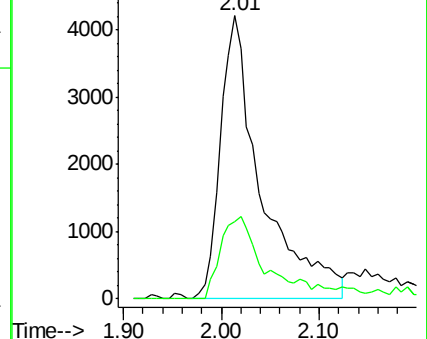
85 100

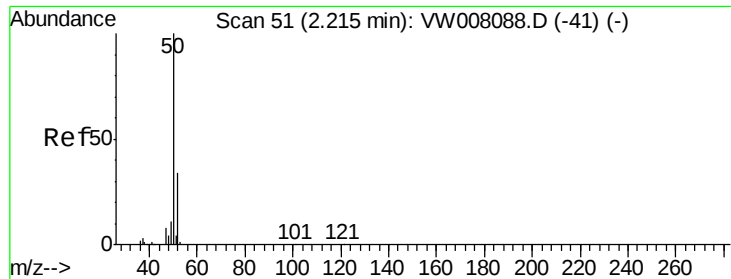
87 27.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.225 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBS02

Tot Ion: 50 Resp: 17649

Ion Ratio Lower Upper

50 100

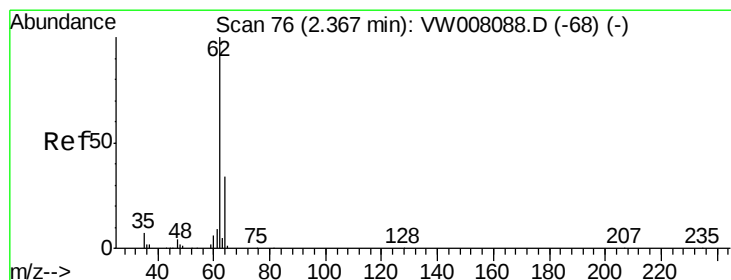
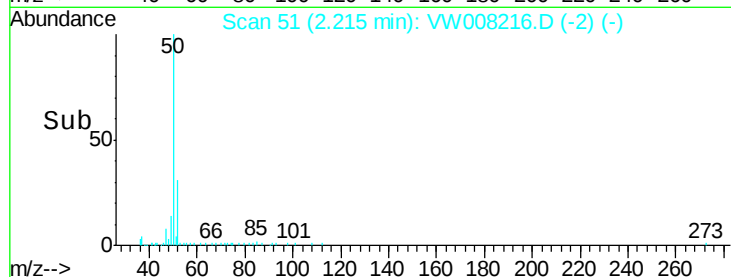
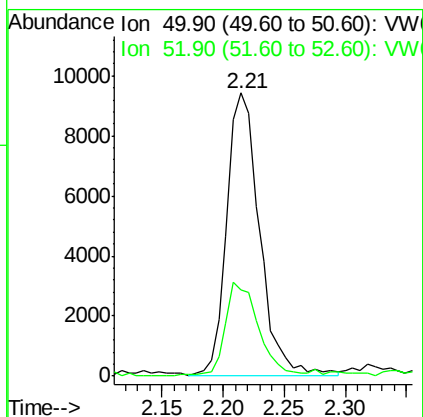
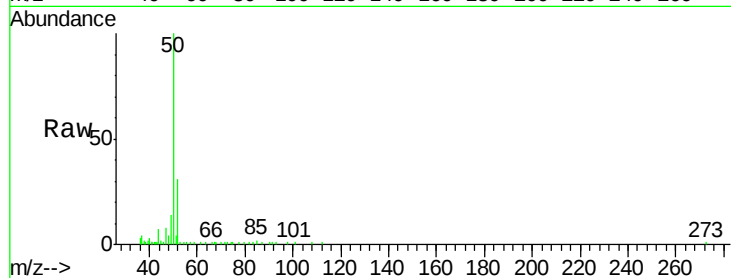
52 29.9 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.896 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008216.D

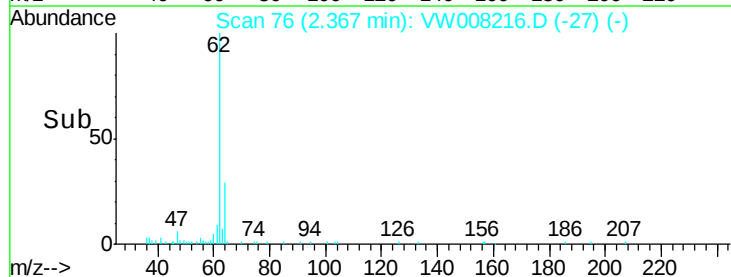
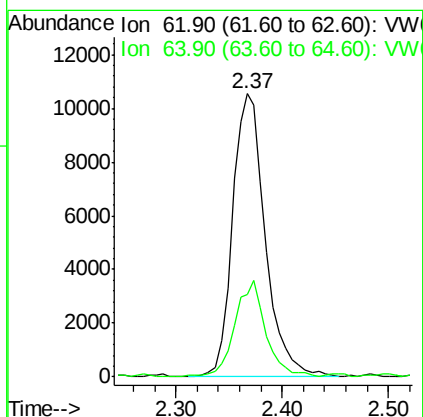
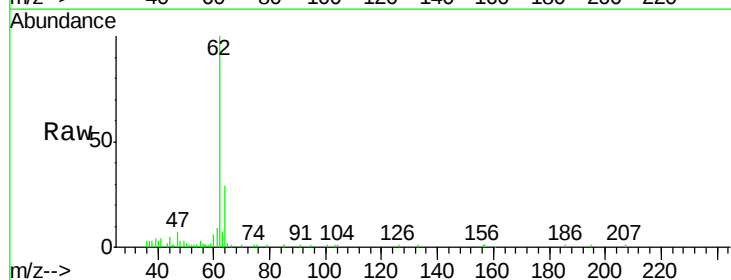
Acq: 12 Jan 2019 03:09

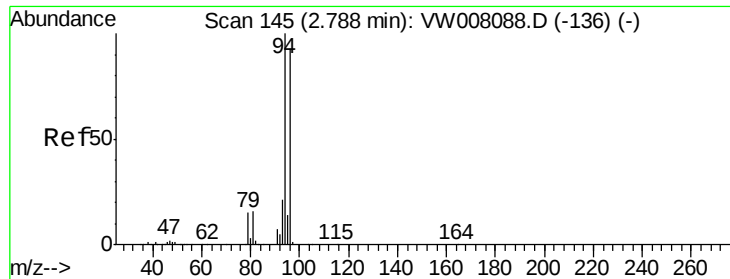
Tgt Ion: 62 Resp: 22641

Ion Ratio Lower Upper

62 100

64 28.3 27.0 40.6





#5

Bromomethane

Concen: 21.479 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBS02

Tot Ion: 94 Resp: 19279

Ion Ratio Lower Upper

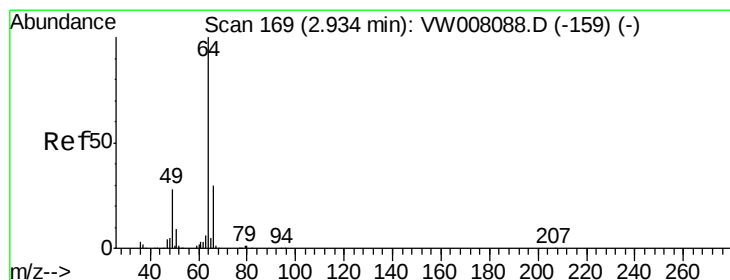
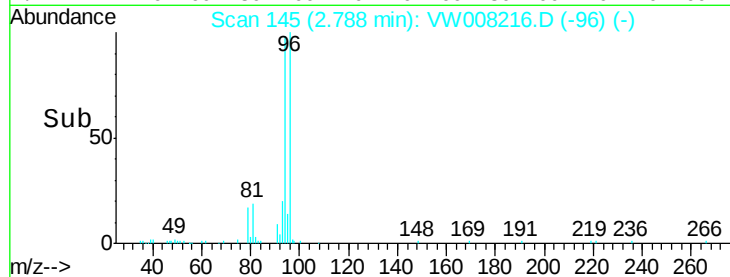
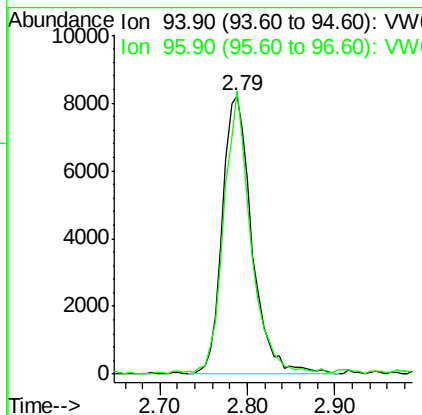
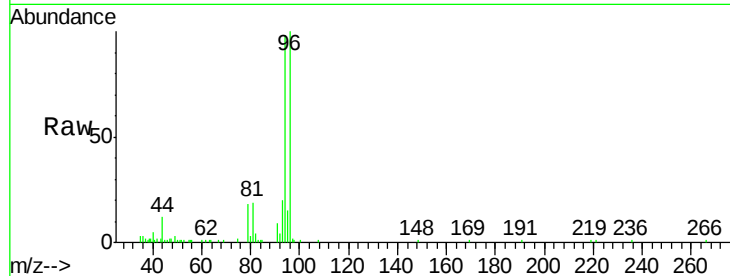
94 100

96 100.7 74.1 111.1

Manual Integrations
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#6

Chloroethane

Concen: 18.222 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008216.D

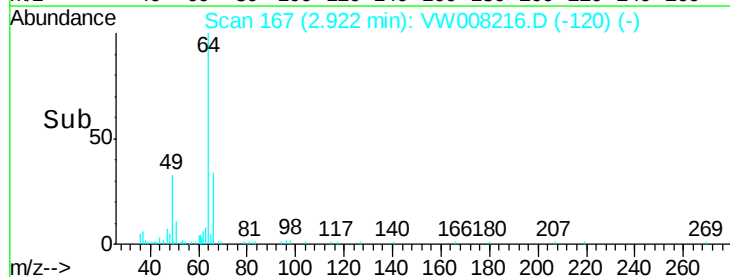
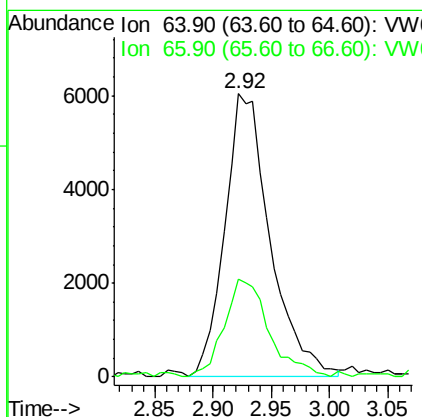
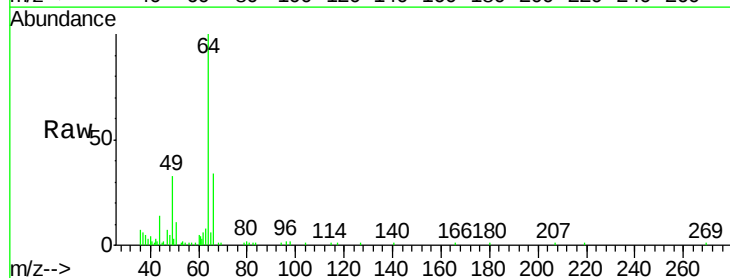
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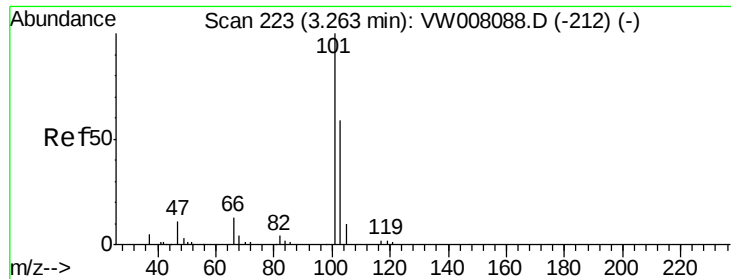
Tgt Ion: 64 Resp: 16429

Ion Ratio Lower Upper

64 100

66 34.3 24.2 36.2





#7

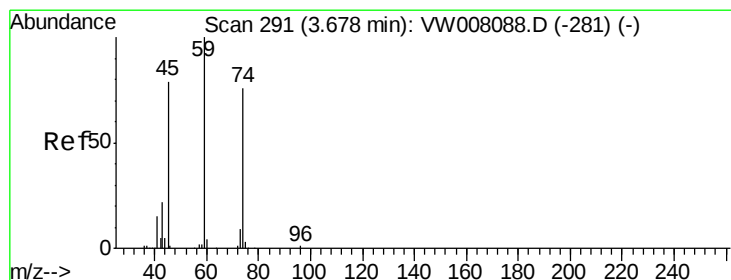
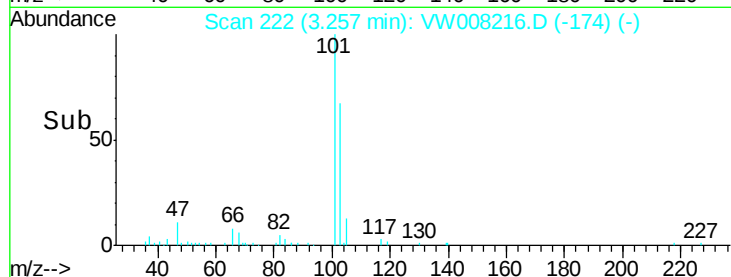
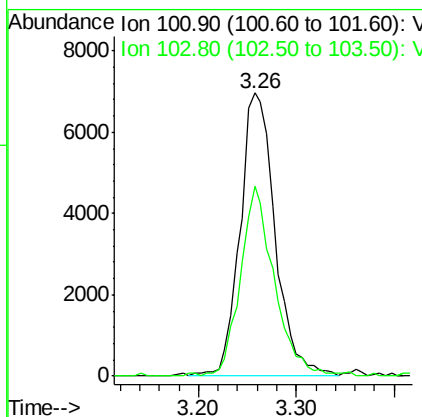
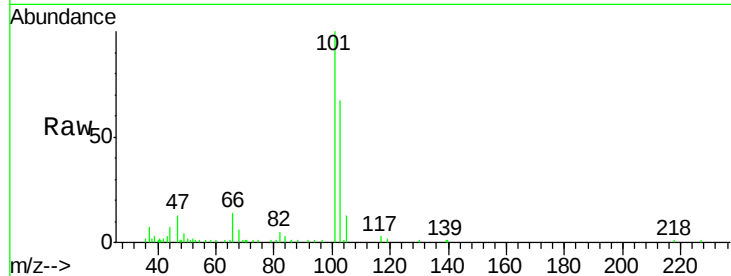
Trichlorofluoromethane
 Concen: 17.754 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Instrument :
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 ClientSampleId :
 VW0111SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	47.0	70.6

Manual Integrations
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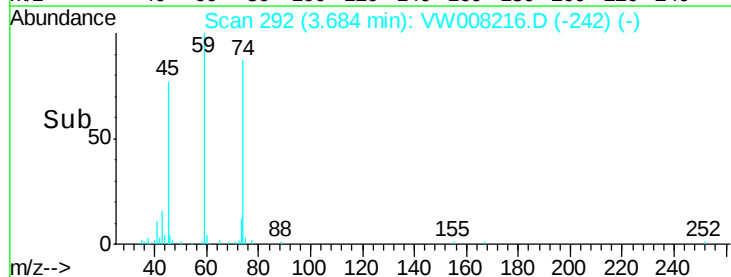
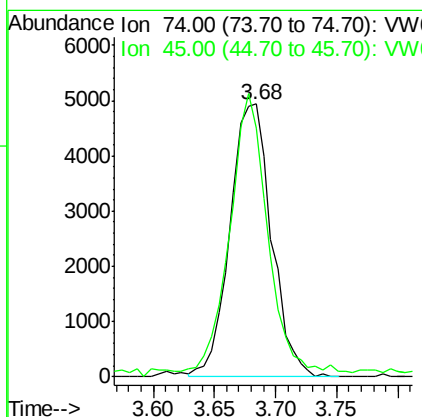
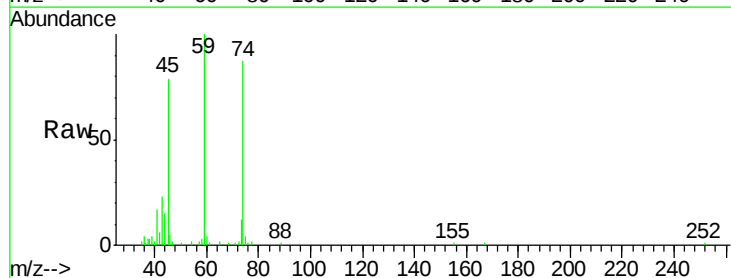
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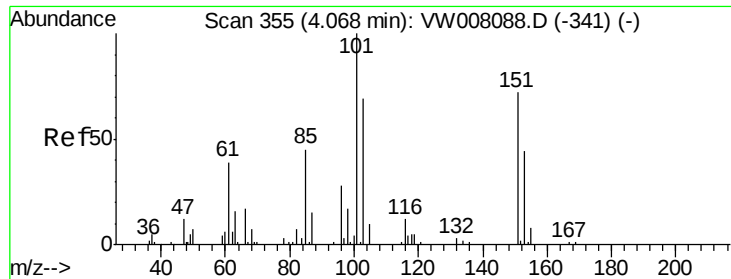


#8

Diethyl Ether
 Concen: 21.074 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.530 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

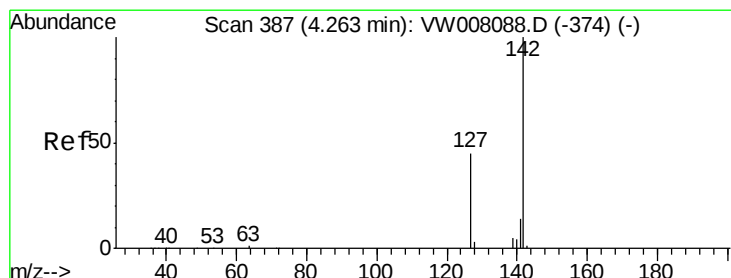
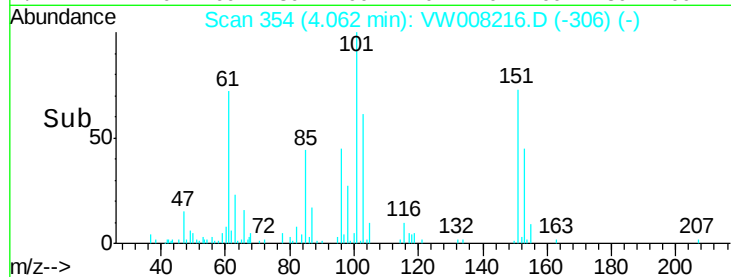
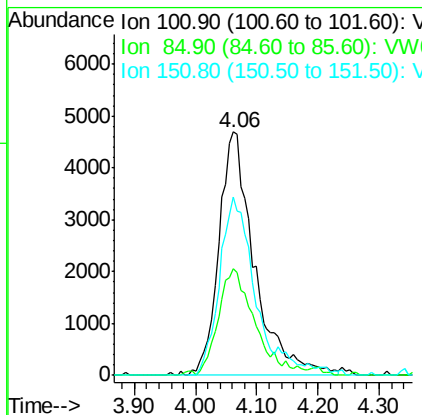
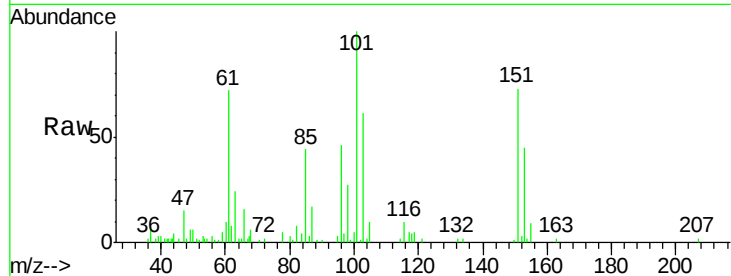
ClientSampleId :

VW0111SBS02

Tot Ion:	101	Resp:	18888
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.9	53.9
151	67.4	55.8	83.8

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#10

Methyl Iodide

Concen: 21.030 ug/l

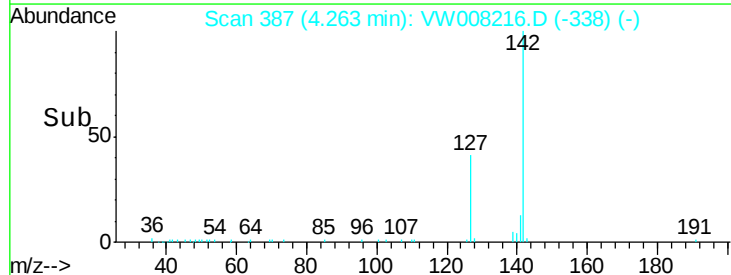
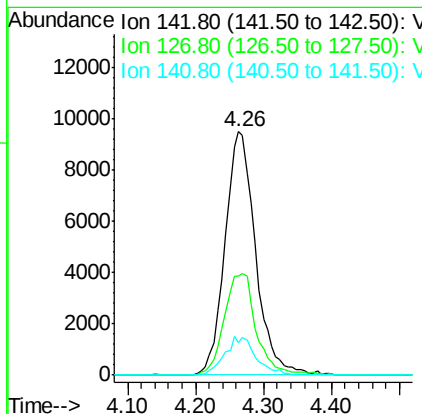
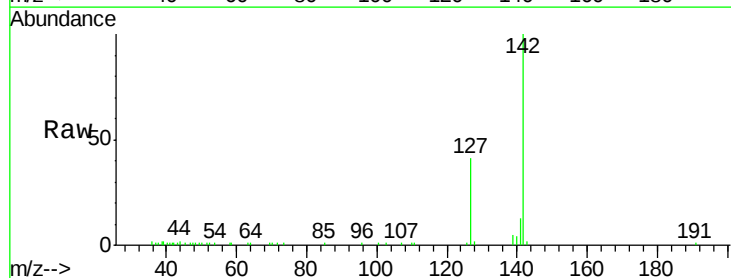
RT: 4.26 min Scan# 387

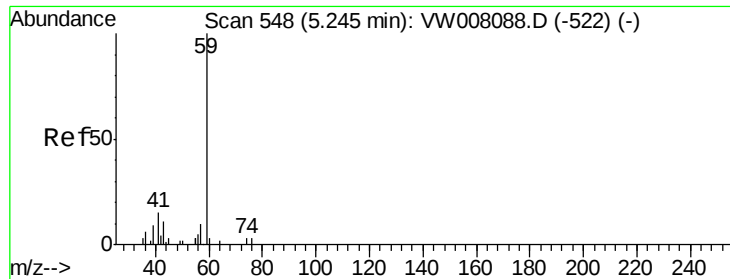
Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Tgt Ion:	142	Resp:	29642
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.0	52.4
141	15.9	11.8	17.6





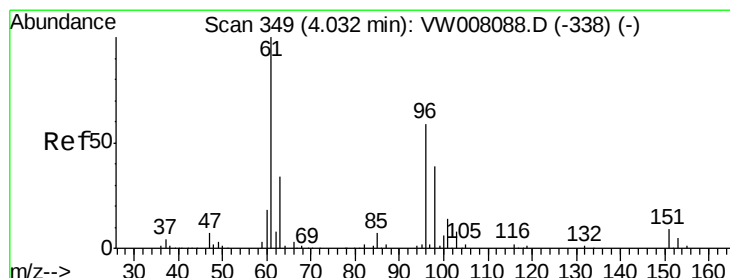
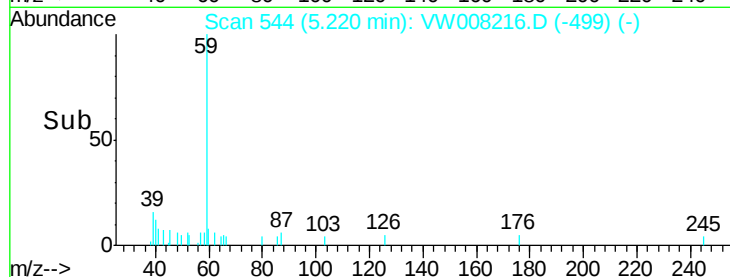
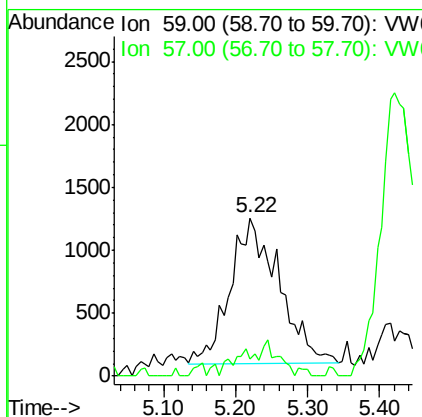
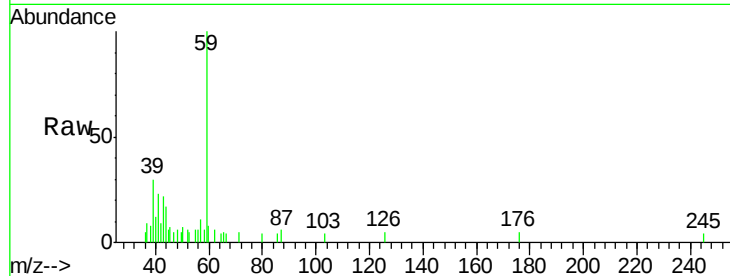
#11
Tert butyl alcohol
Concen: 72.314 ug/l
RT: 5.22 min Scan# 544
Delta R.T. -0.02 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampled :
VW0111SBS02

Tot Ion: 59 Resp: 5471
Ion Ratio Lower Upper
59 100
57 6.7 0.0 0.0#

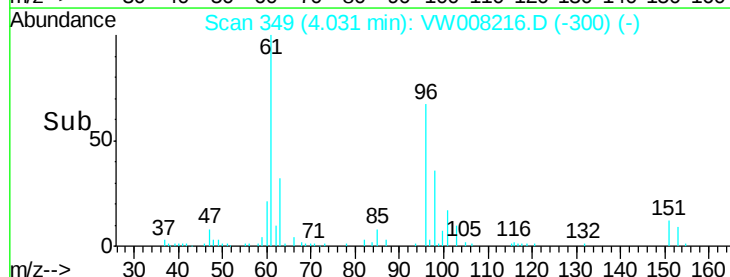
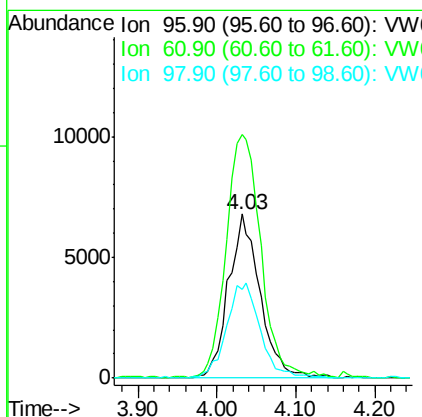
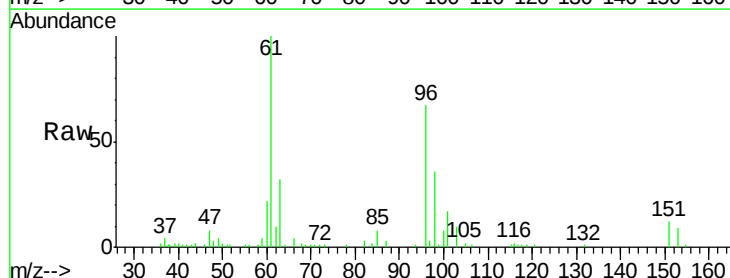
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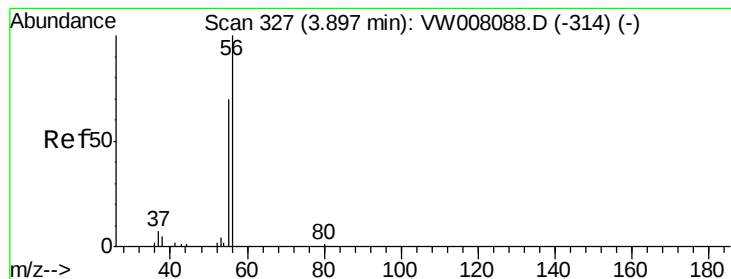
apatel
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#12
1,1-Dichloroethene
Concen: 20.045 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion: 96 Resp: 19033
Ion Ratio Lower Upper
96 100
61 148.4 135.4 203.2
98 53.8 52.5 78.7





#13

Acrolein

Concen: 75.020 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBS02

Tot Ion: 56 Resp: 4935

Ion Ratio Lower Upper

56 100

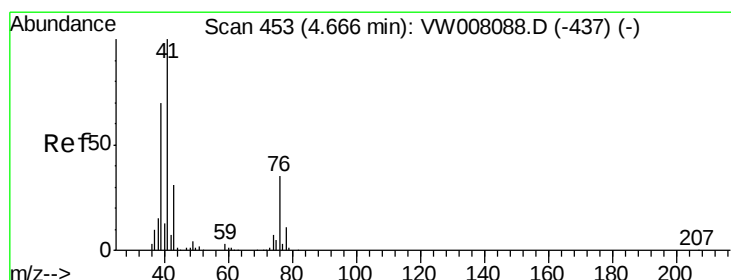
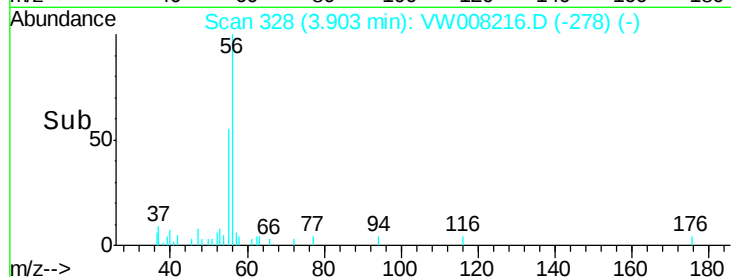
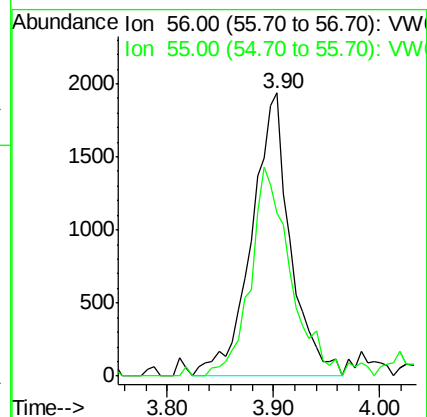
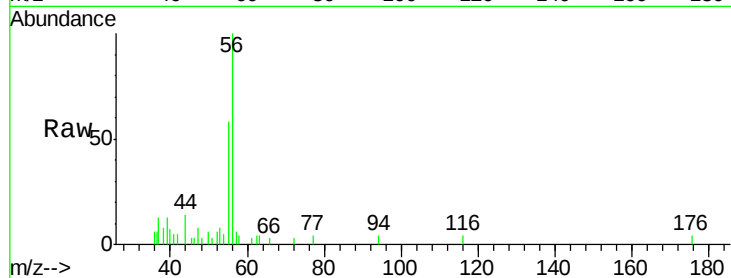
55 75.6 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.848 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

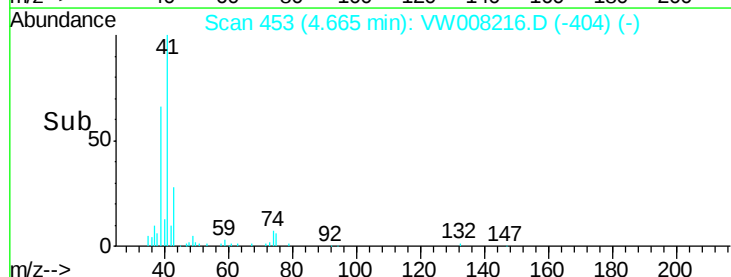
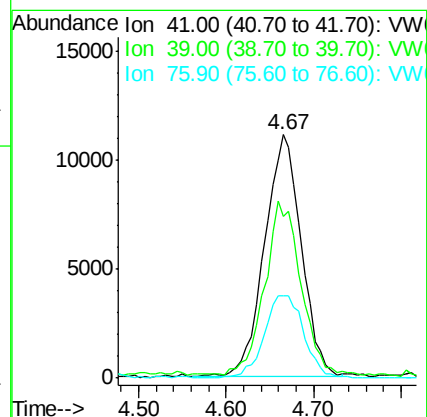
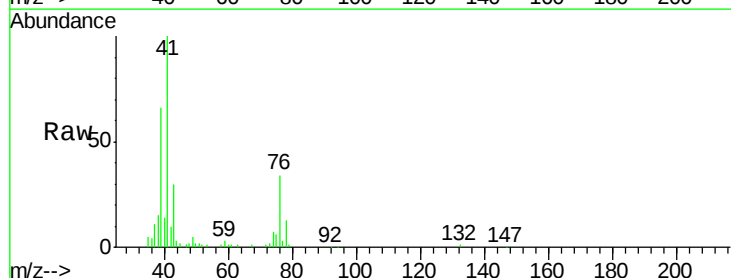
Tgt Ion: 41 Resp: 32493

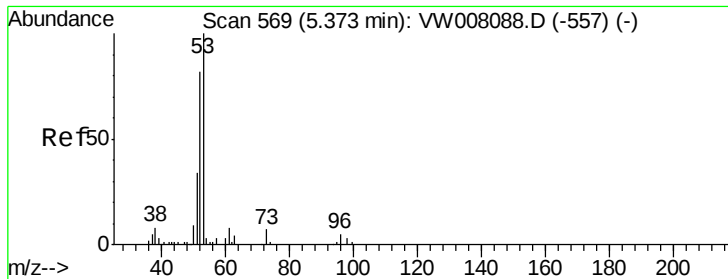
Ion Ratio Lower Upper

41 100

39 70.6 53.8 80.8

76 36.9 27.6 41.4





#15

Acrylonitrile

Concen: 106.416 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

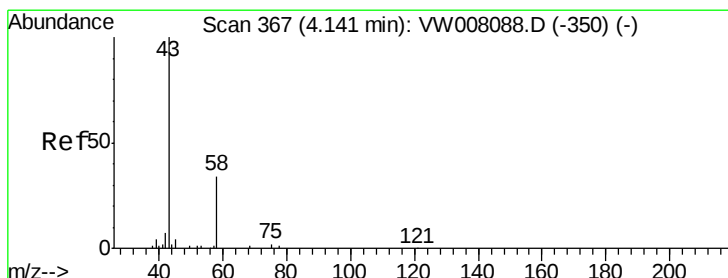
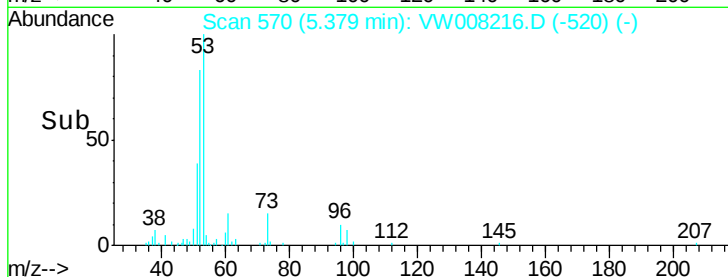
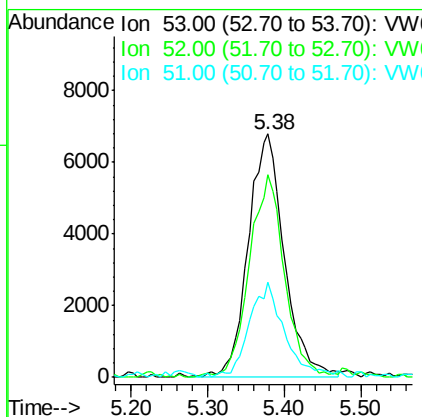
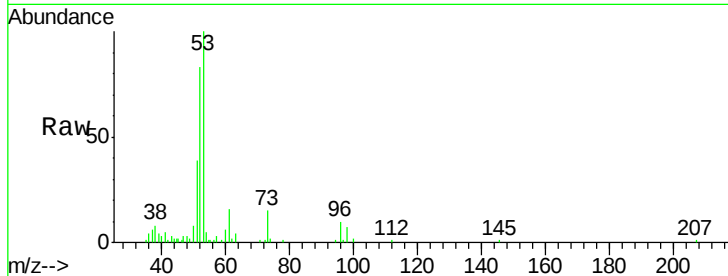
ClientSampleId :

VW0111SBS02

Tot Ion:	53	Resp:	22310
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.8	100.2
51	38.2	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 82.382 ug/l

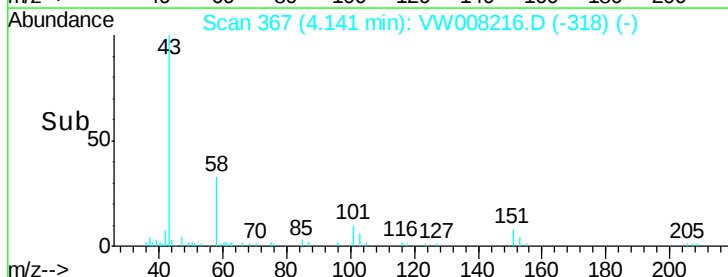
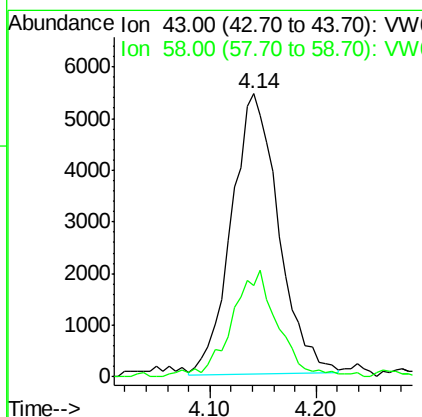
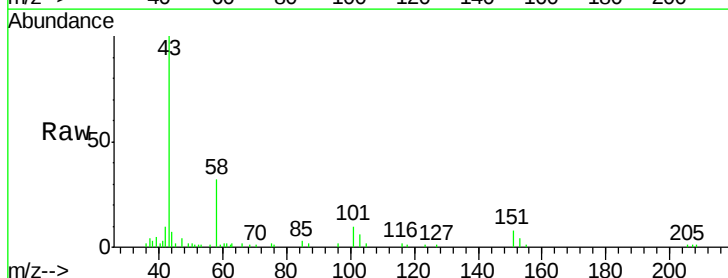
RT: 4.14 min Scan# 367

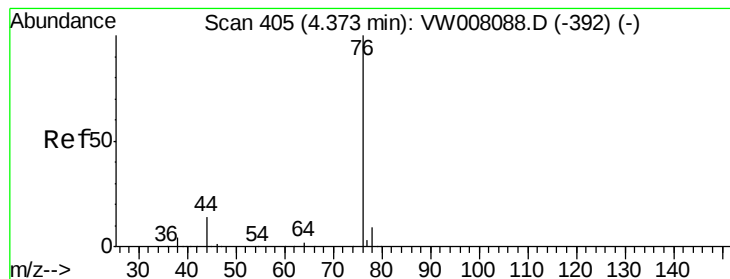
Delta R.T. 0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Tgt Ion:	43	Resp:	16914
Ion	Ratio	Lower	Upper
43	100		
58	31.5	27.5	41.3





#17

Carbon Disulfide

Concen: 19.200 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBS02

Tot Ion: 76 Resp: 56950

Ion Ratio Lower Upper

76 100

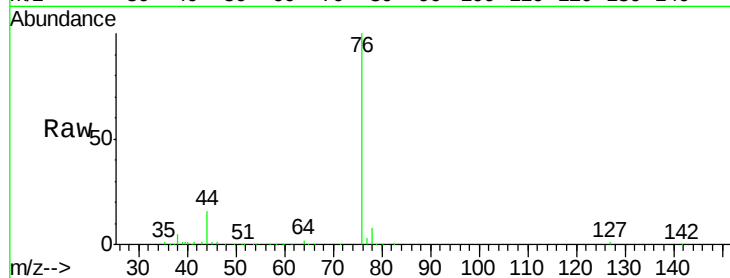
78 8.3 7.0 10.6

Manual Integrations

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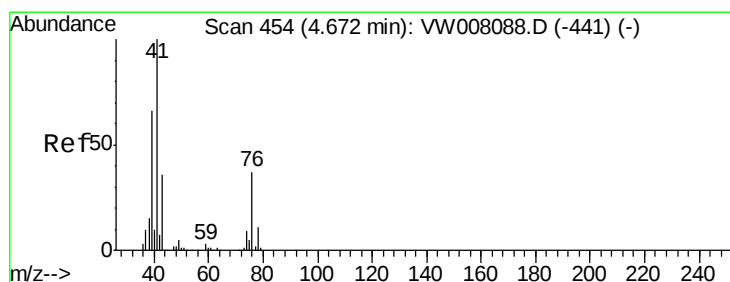
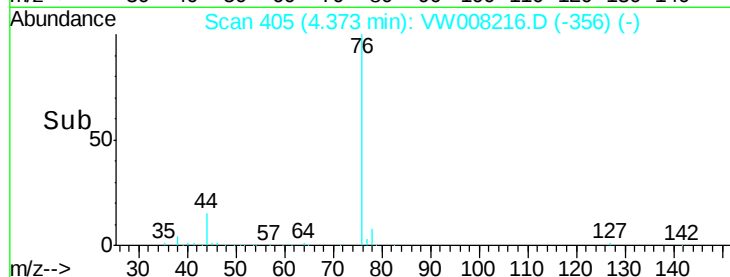
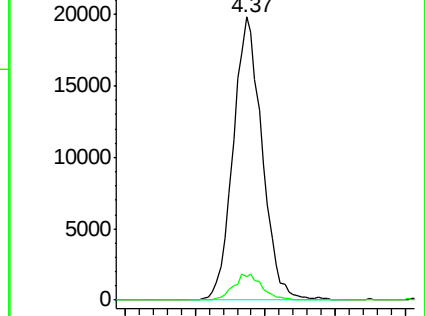
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.067 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW008216.D

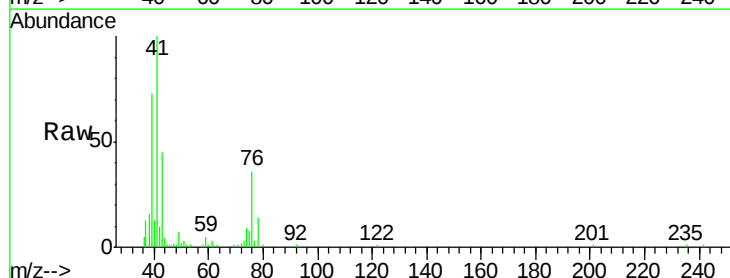
Acq: 12 Jan 2019 03:09

Tgt Ion: 43 Resp: 12359

Ion Ratio Lower Upper

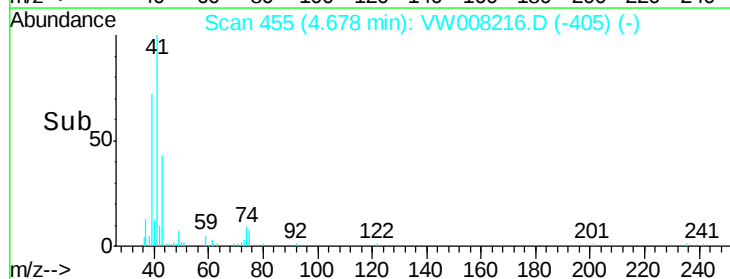
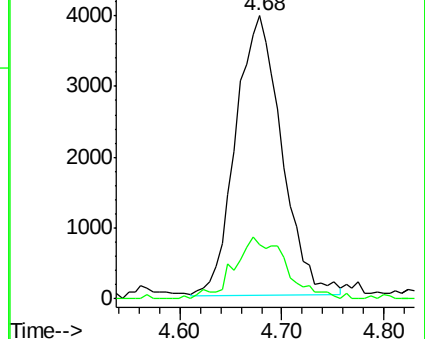
43 100

74 25.0 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





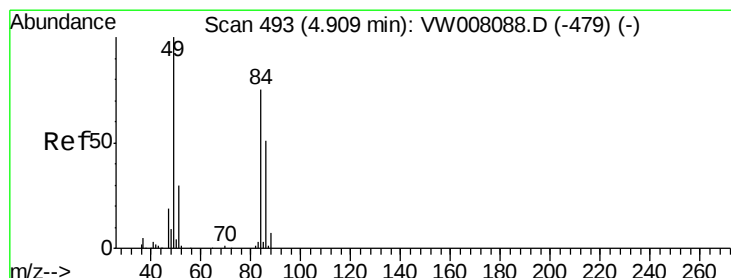
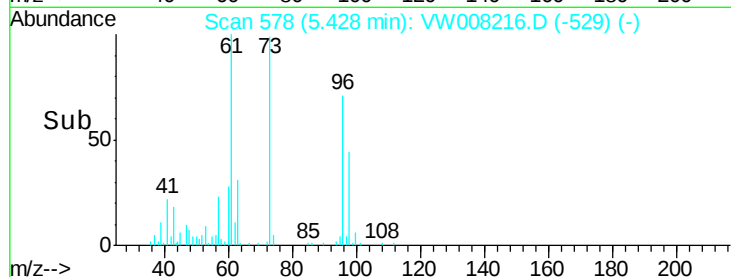
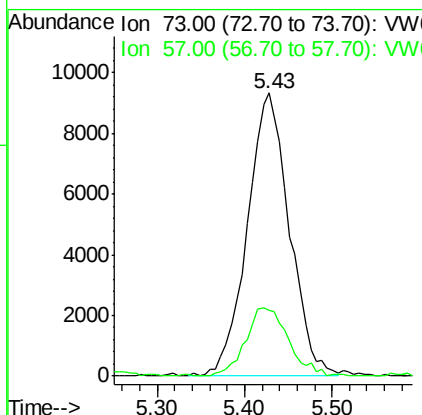
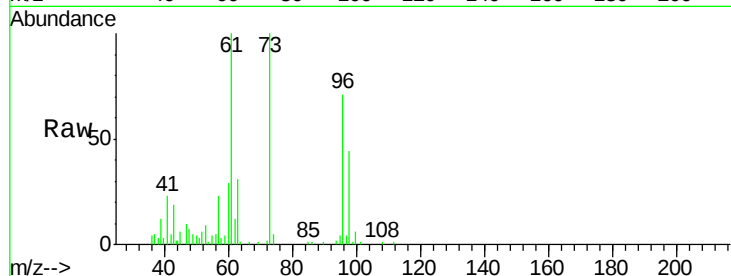
#19
Methvl tert-butvl Ether
Concen: 20.219 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion: 73 Resp: 31210
Ion Ratio Lower Upper
73 100
57 22.4 16.7 25.1

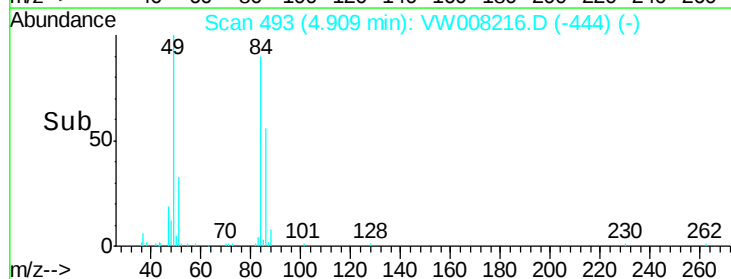
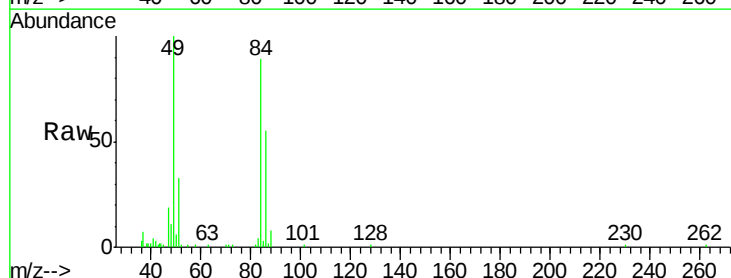
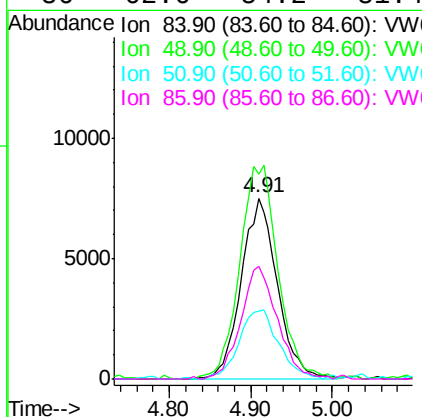
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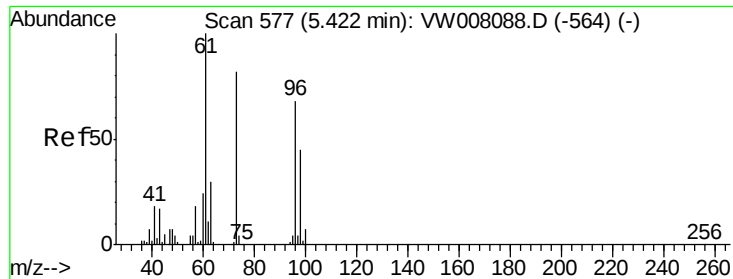
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#20
Methylene Chloride
Concen: 21.301 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion: 84 Resp: 23085
Ion Ratio Lower Upper
84 100
49 112.2 107.1 160.7
51 36.9 32.4 48.6
86 62.6 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 20.760 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

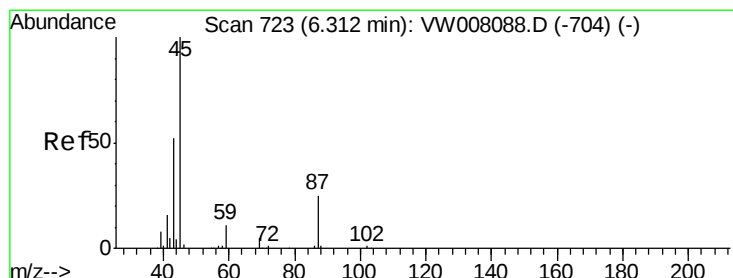
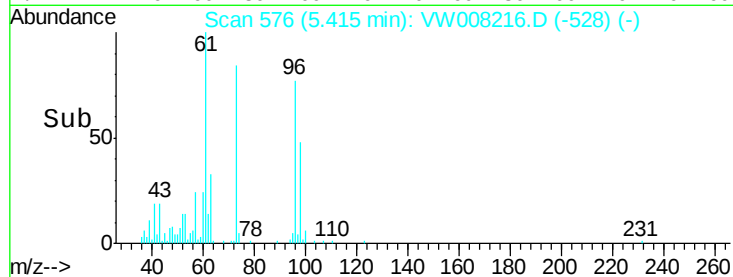
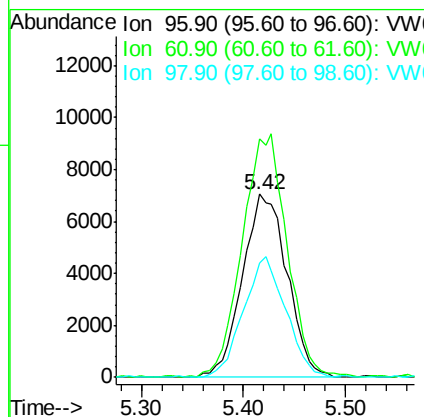
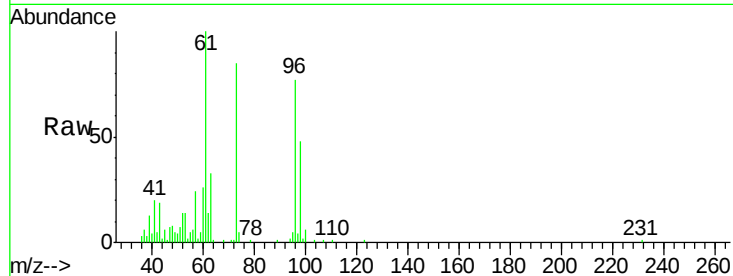
ClientSampleId :

VW0111SBS02

Tot Ion:	96	Resp:	21421
Ion	Ratio	Lower	Upper
96	100		
61	129.3	117.4	176.0
98	62.4	52.2	78.4

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#22

Diisopropyl ether

Concen: 20.404 ug/l

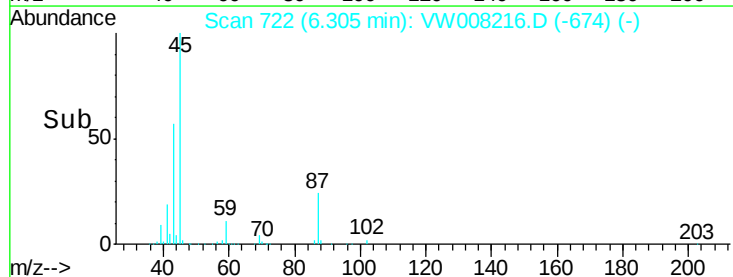
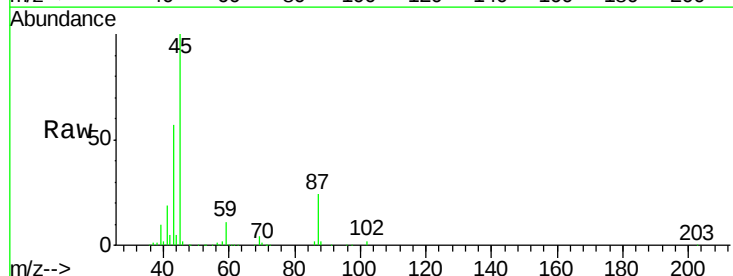
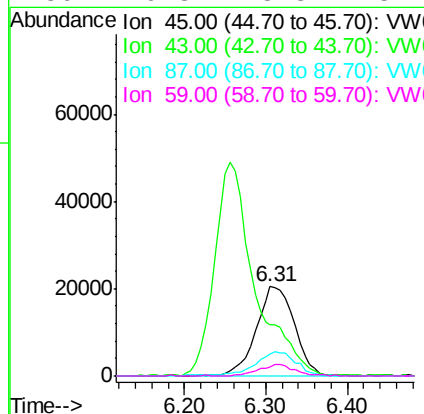
RT: 6.31 min Scan# 722

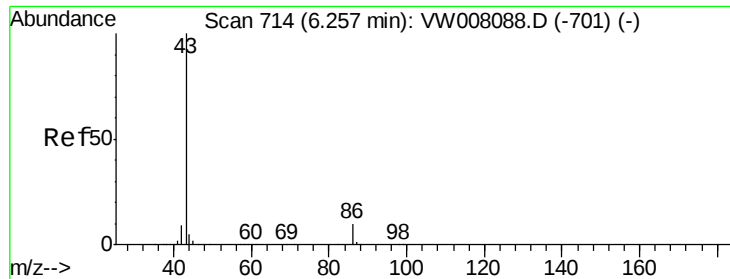
Delta R.T. -0.01 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Tgt Ion:	45	Resp:	67086
Ion	Ratio	Lower	Upper
45	100		
43	56.2	41.7	62.5
87	24.3	20.1	30.1
59	10.3	8.8	13.2





#23

Vinyl Acetate

Concen: 97.364 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampled :

VW0111SBS02

Tot Ion: 43 Resp: 168124

Ion Ratio Lower Upper

43 100

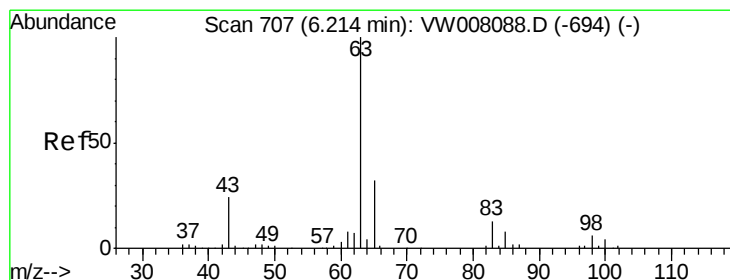
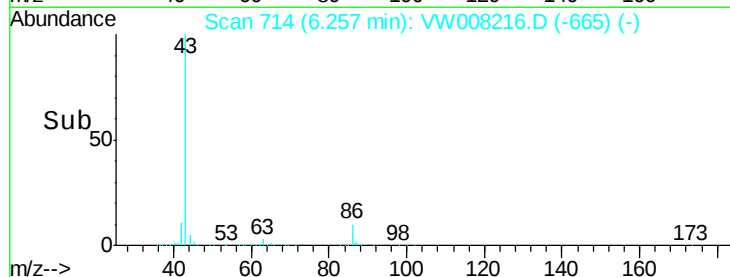
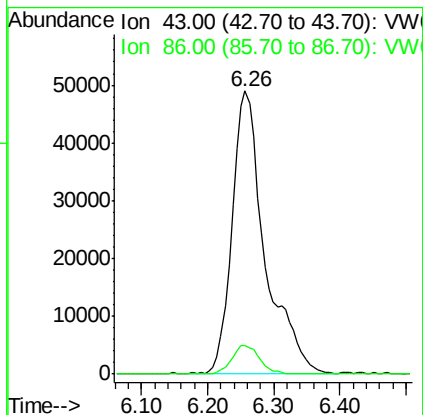
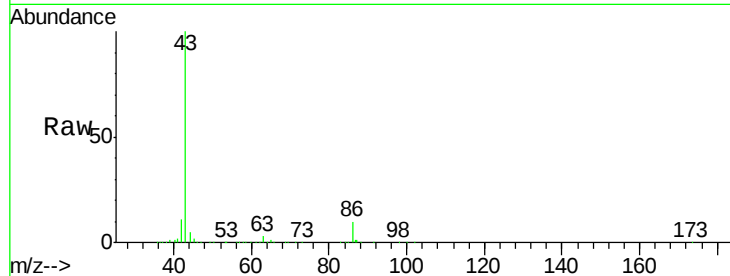
86 10.2 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 20.695 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

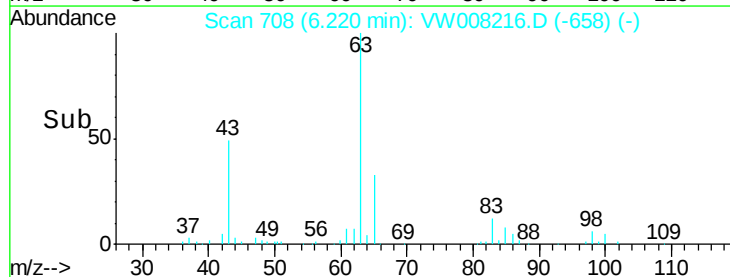
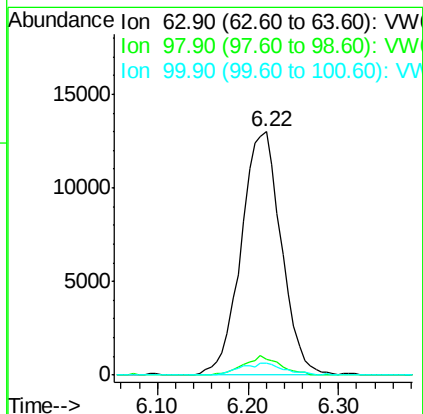
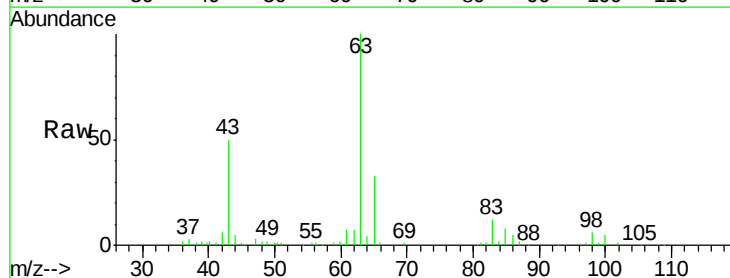
Tgt Ion: 63 Resp: 39645

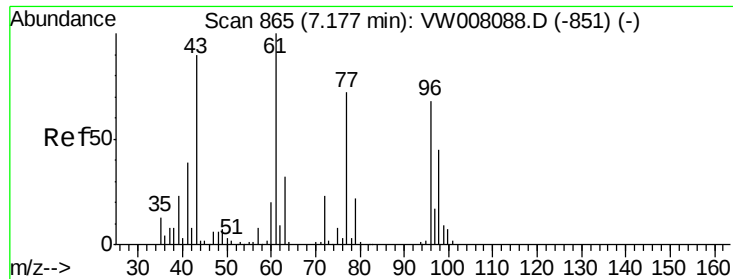
Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

100 5.1 2.0 6.0





#25

2-Butanone

Concen: 97.499 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampled :

VW0111SBS02

Tot Ion: 43 Resp: 26435

Ion Ratio Lower Upper

43 100

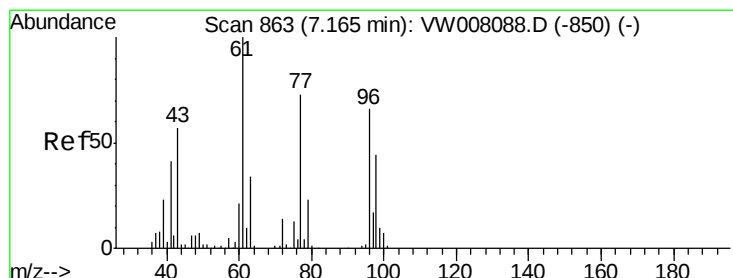
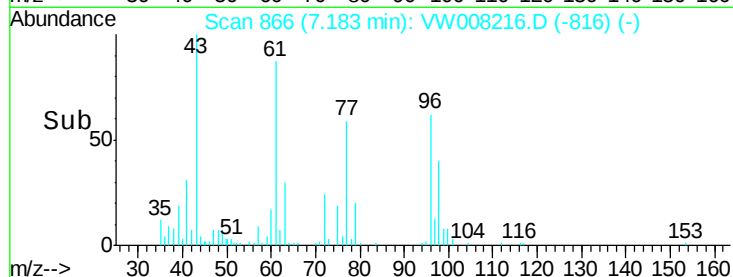
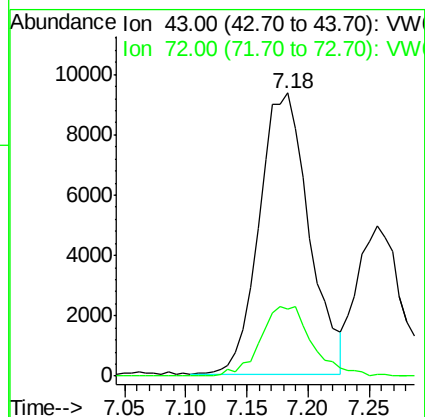
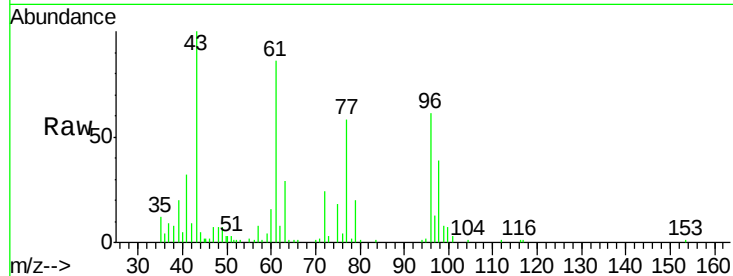
72 24.0 20.5 30.7

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#26

2,2-Dichloropropane

Concen: 19.154 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008216.D

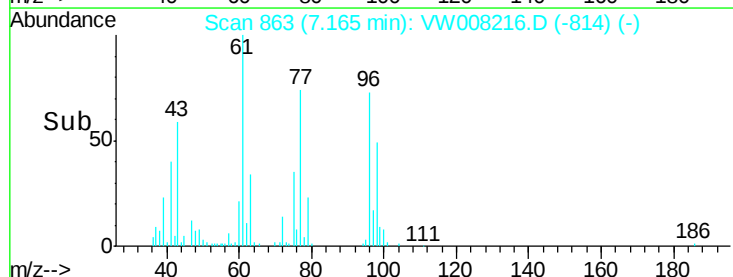
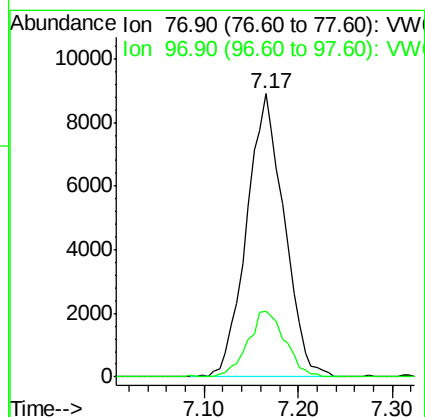
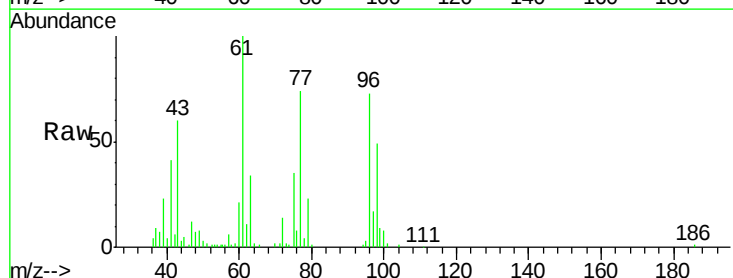
Acq: 12 Jan 2019 03:09

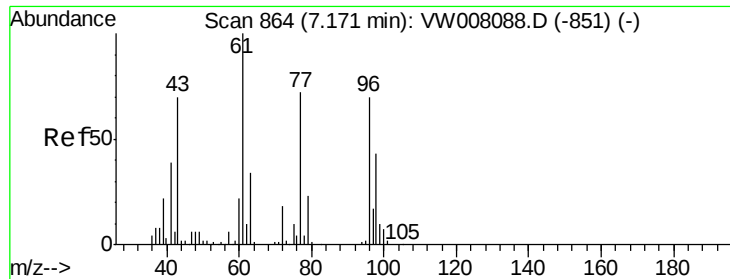
Tgt Ion: 77 Resp: 24862

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.1





#27

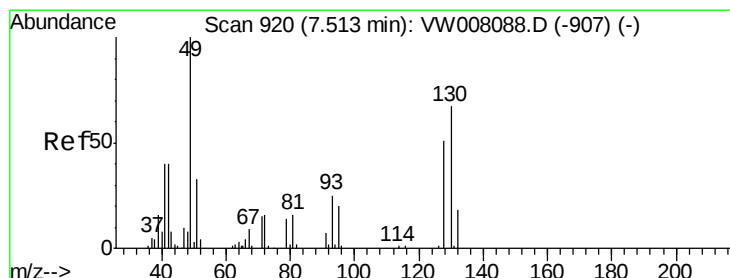
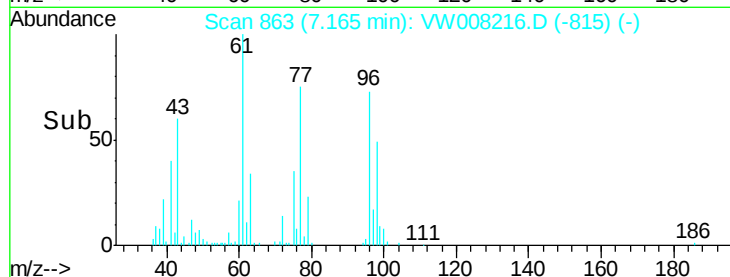
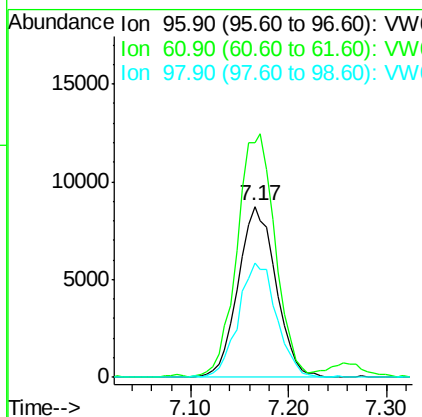
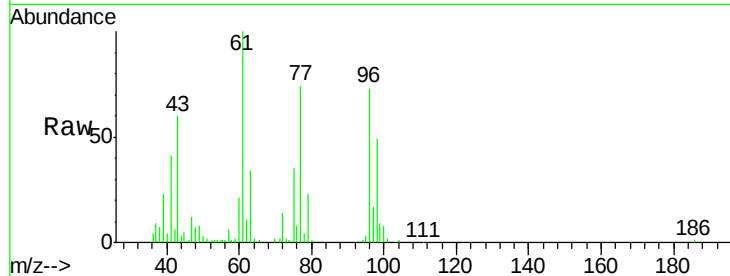
cis-1,2-Dichloroethene
Concen: 20.815 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	300.4
98	67.5	0.0	128.4

Manual Integrations
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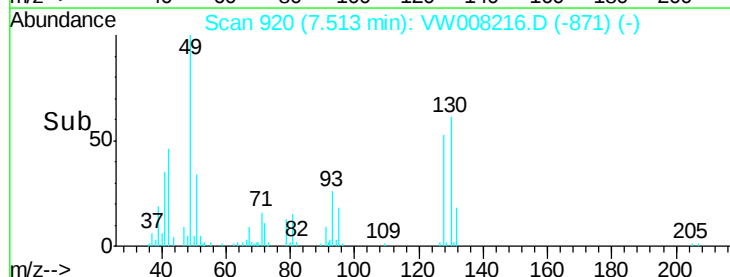
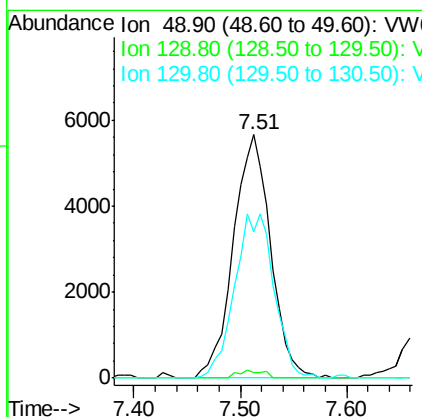
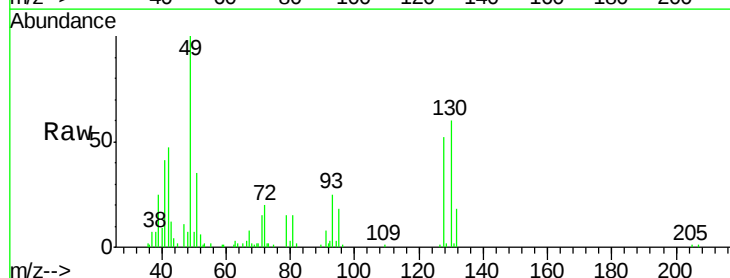
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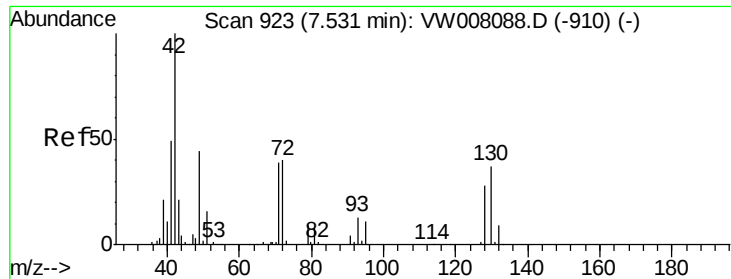


#28

Bromochloromethane
Concen: 18.294 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.8
130	71.5	54.3	81.5





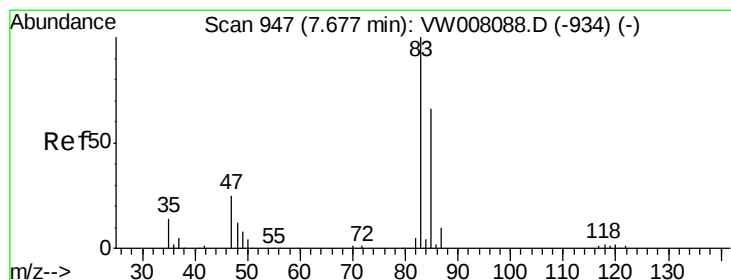
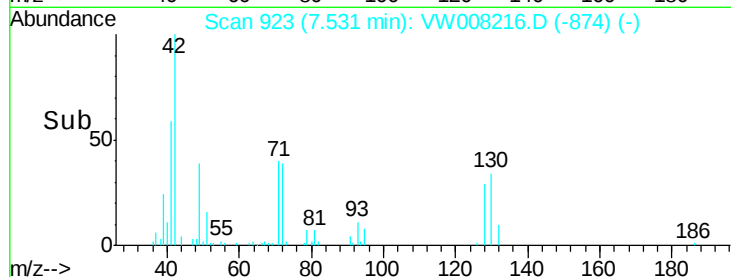
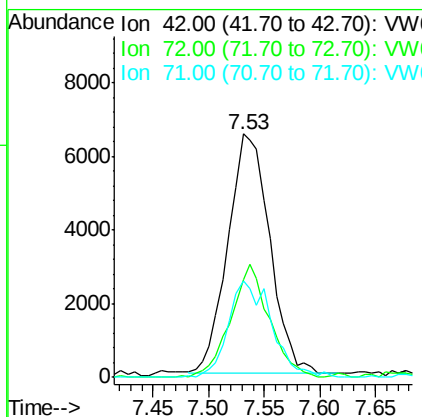
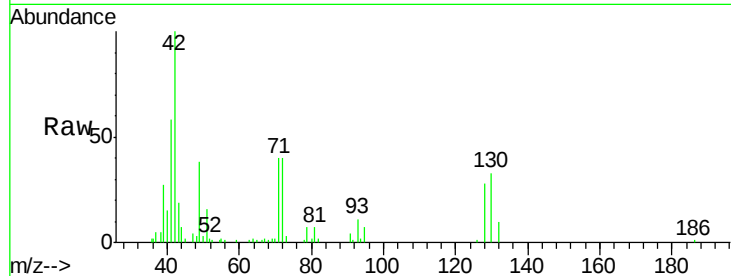
#29
Tetrahydrofuran
Concen: 94.273 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	32.4	48.6
71	41.7	31.3	46.9

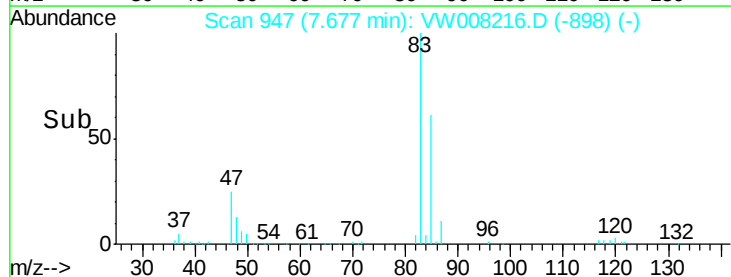
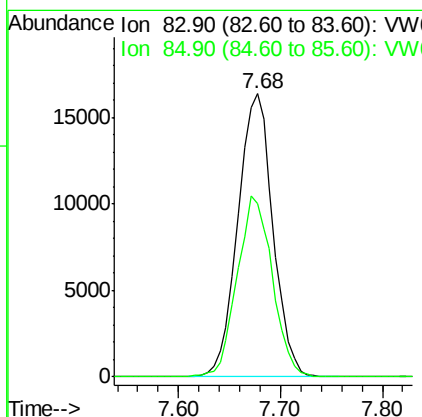
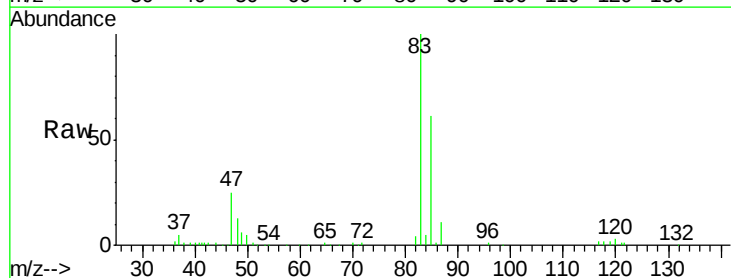
Manual Integrations
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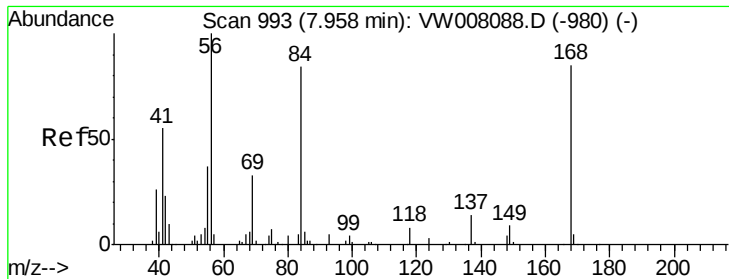
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#30
Chloroform
Concen: 21.398 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	53.2	79.8





#31

Cyclohexane

Concen: 16.913 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008216.D

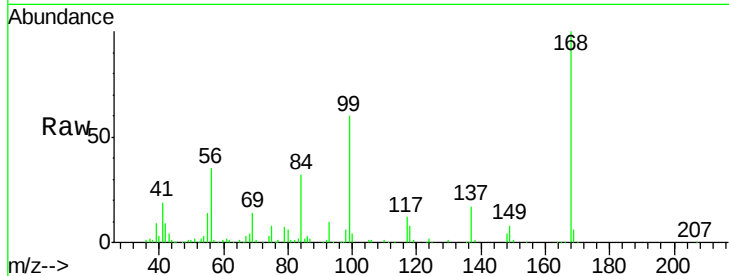
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

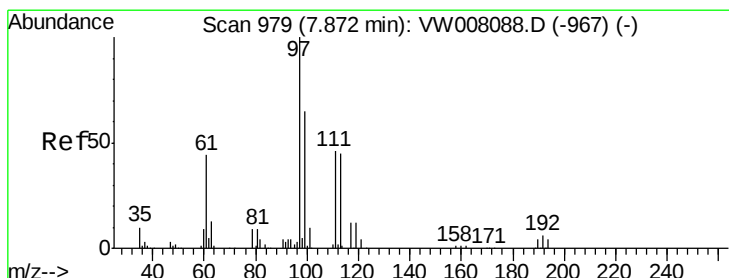
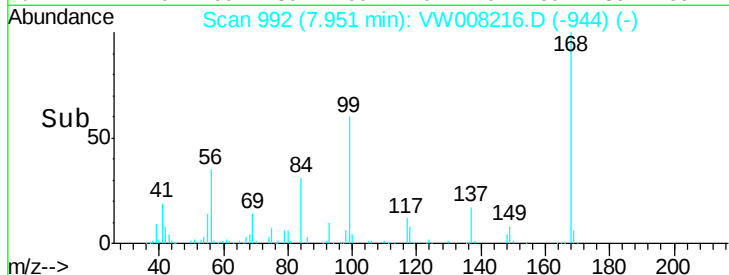
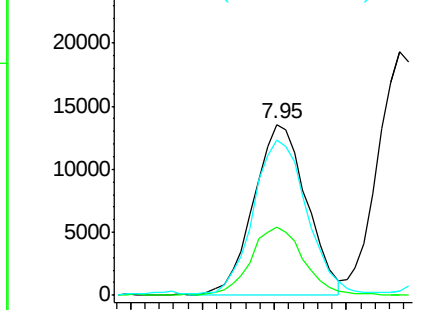
Tot Ion:	56	Resp:	34684
Ion Ratio	Lower	Upper	
56	100		
69	38.9	26.2	39.4
84	90.5	67.4	101.2

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



#32

1,1,1-Trichloroethane

Concen: 20.384 ug/l

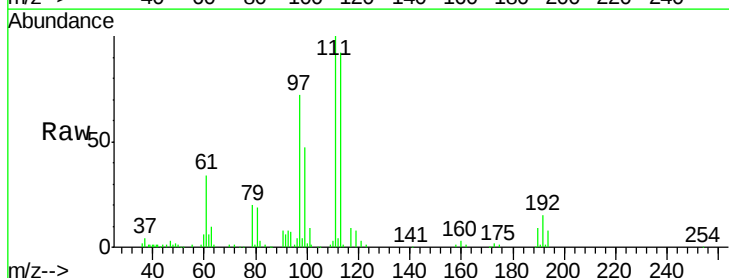
RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

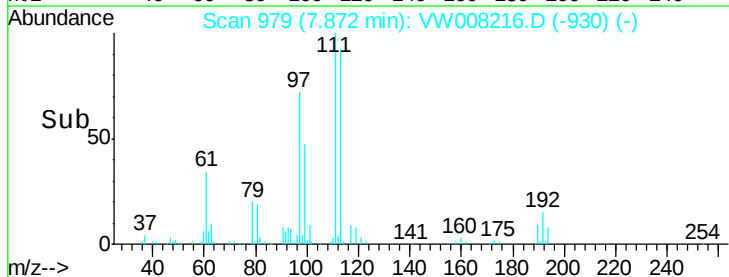
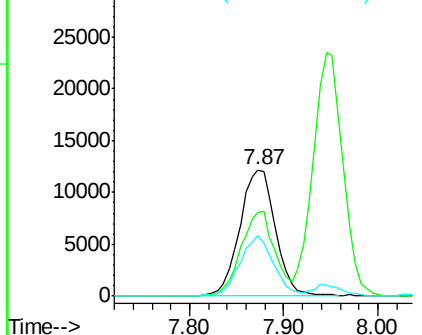
Lab File: VW008216.D

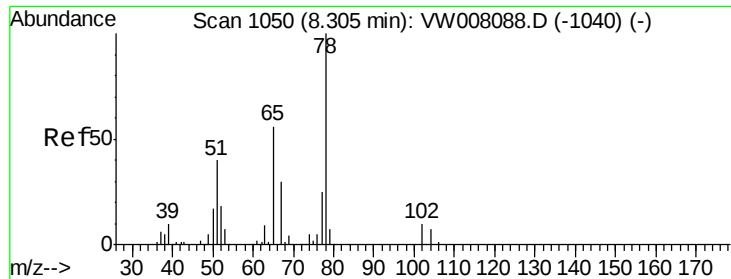
Acq: 12 Jan 2019 03:09

Tgt Ion:	97	Resp:	32341
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.4	77.0
61	45.3	35.6	53.4



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





#33

1,2-Dichloroethane-d4

Concen: 53.469 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBS02

Tot Ion: 65 Resp: 52104

Ion Ratio Lower Upper

65 100

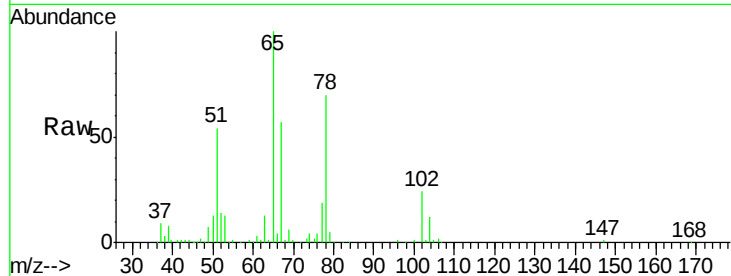
67 55.4 0.0 106.8

Manual Integrations

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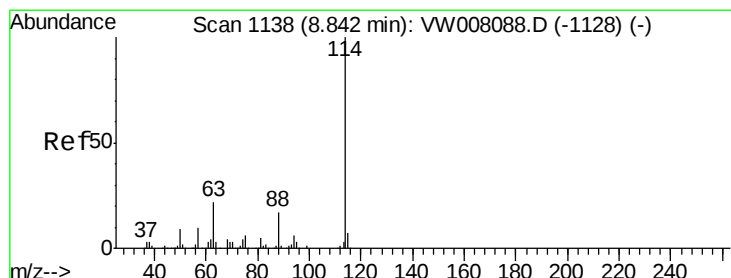
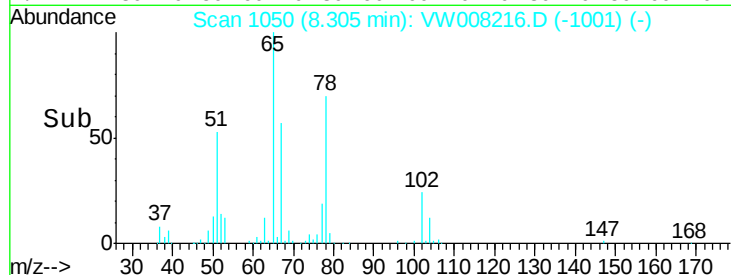
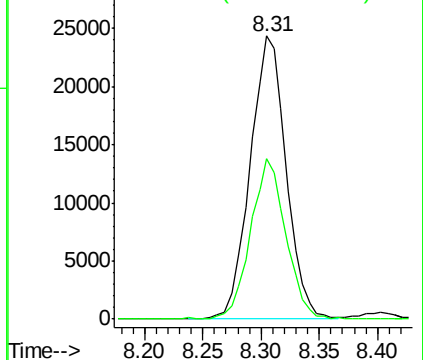
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

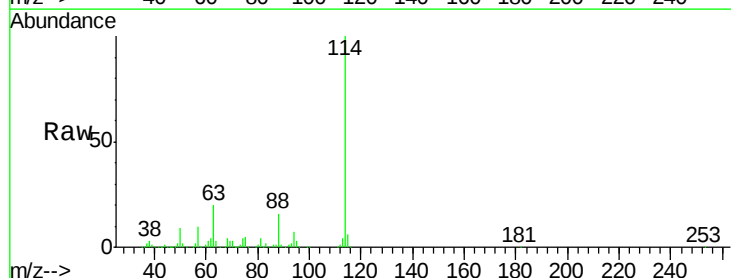
Tgt Ion: 114 Resp: 152728

Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.4

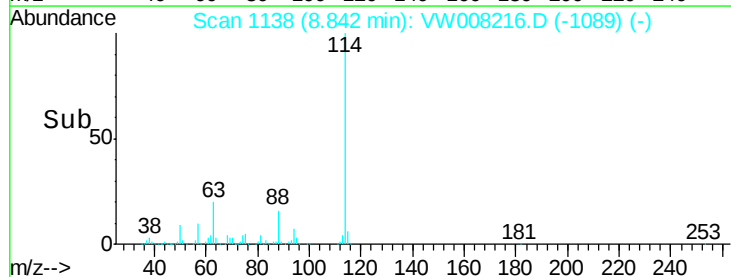
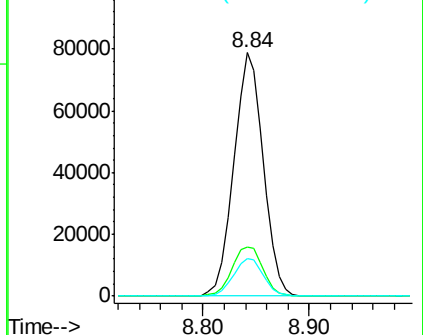
88 15.6 0.0 33.4

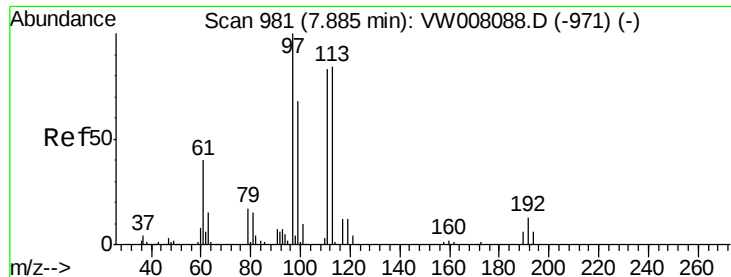


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 57.590 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

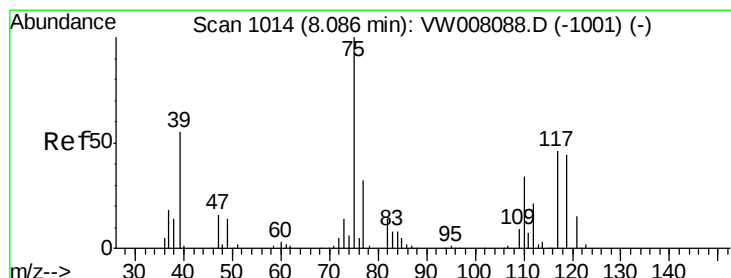
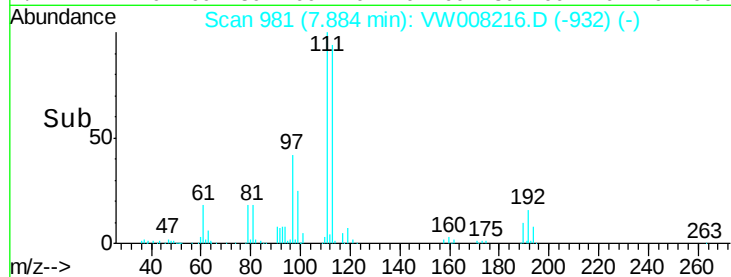
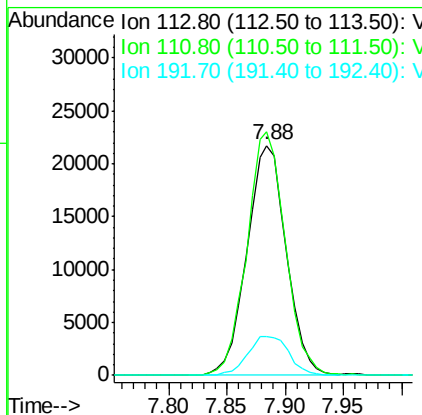
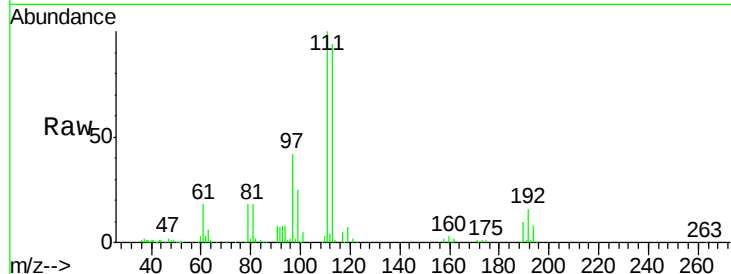
ClientSampleId :

VW0111SBS02

Tot Ion:	113	Resp:	51299
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.8	122.8
192	17.7	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 19.387 ug/l

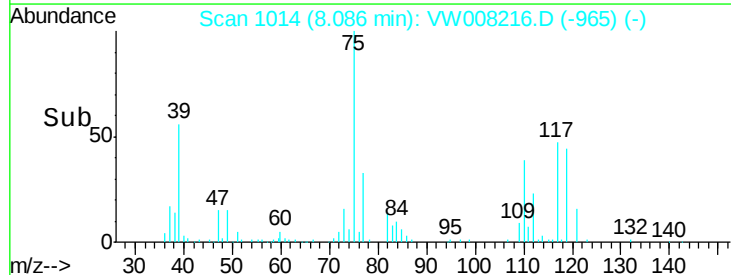
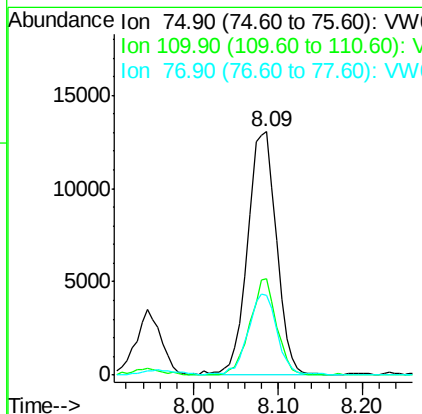
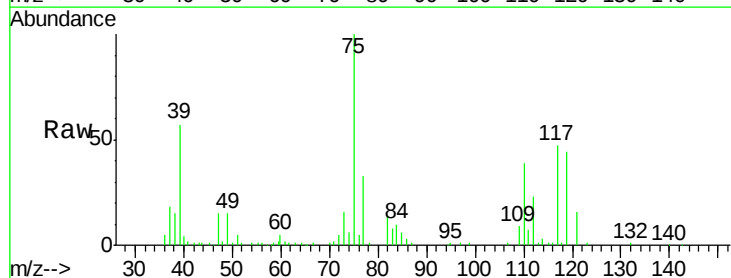
RT: 8.09 min Scan# 1014

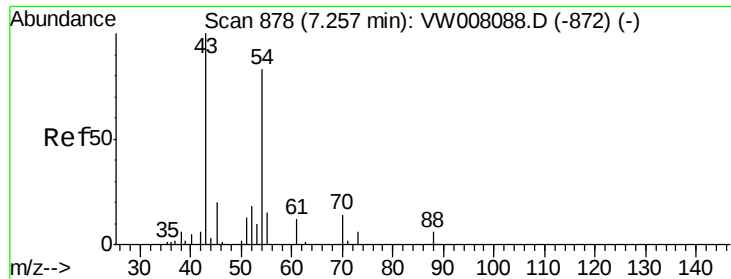
Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Tgt Ion:	75	Resp:	30501
Ion Ratio	Lower	Upper	
75	100		
110	36.3	17.1	51.3
77	33.5	25.5	38.3





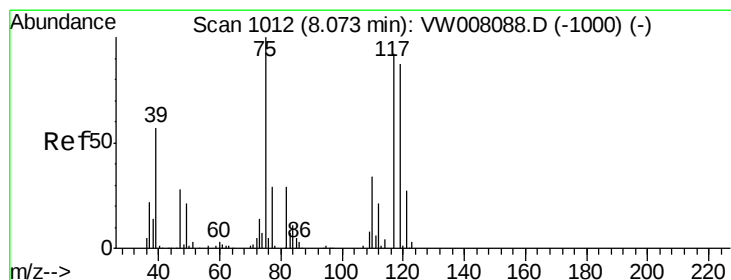
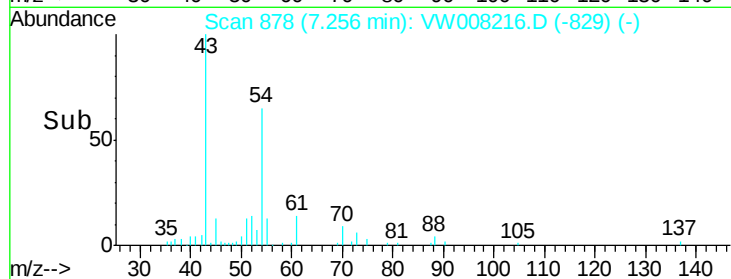
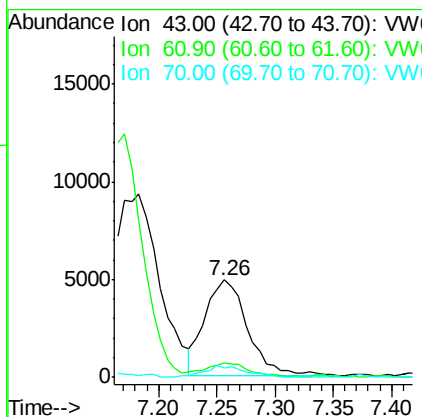
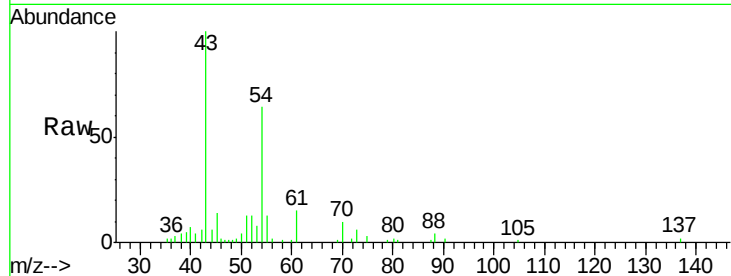
#37
Ethyl Acetate
Concen: 19.670 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	10.6	16.0#
70	11.9	8.9	13.3

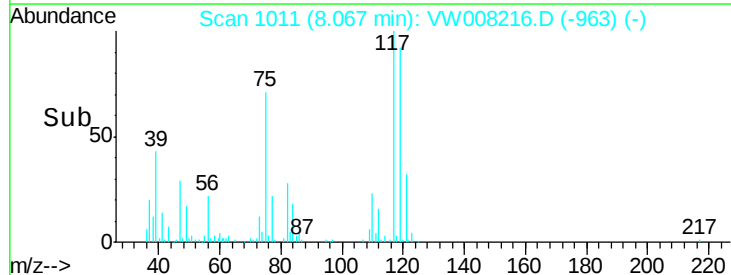
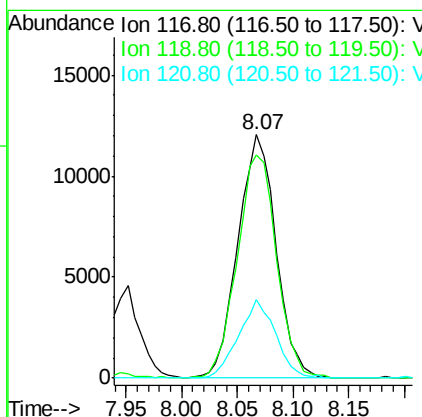
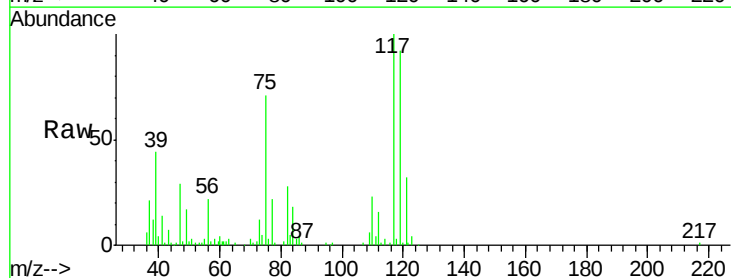
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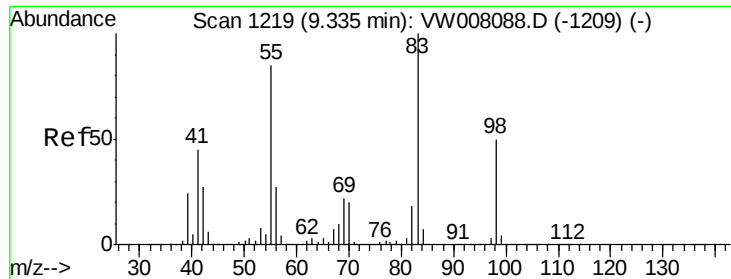
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#38
Carbon Tetrachloride
Concen: 19.959 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.8	113.8
121	32.2	23.7	35.5





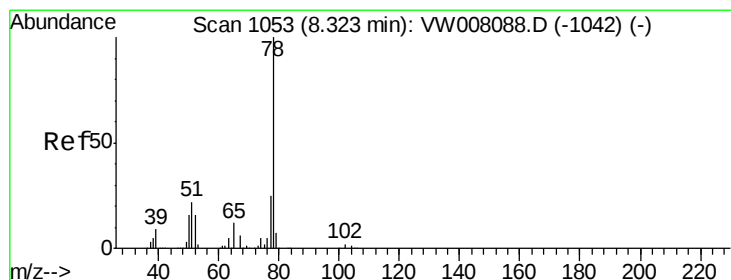
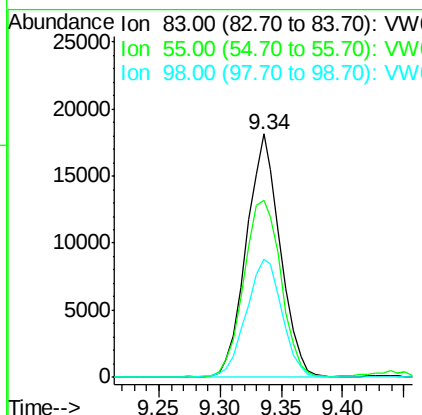
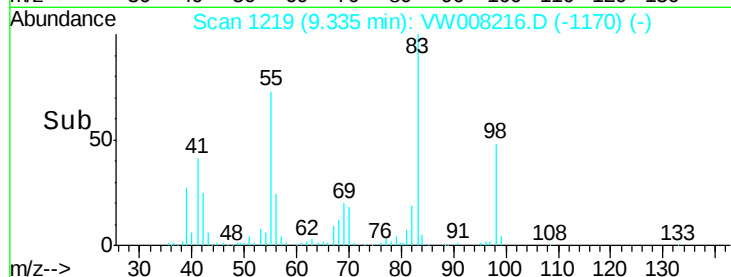
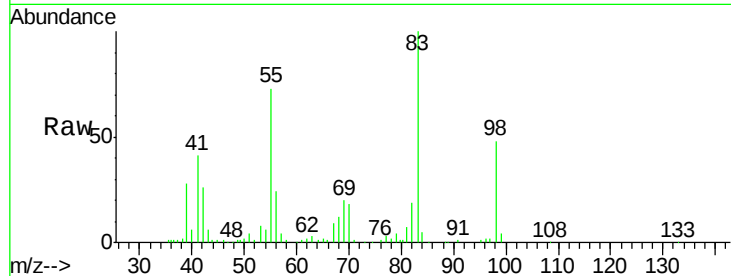
#39
Methvlcvclohexane
Concen: 17.516 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	67.8	101.6
98	48.3	40.2	60.4

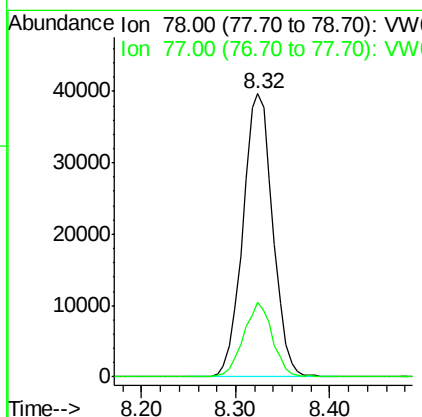
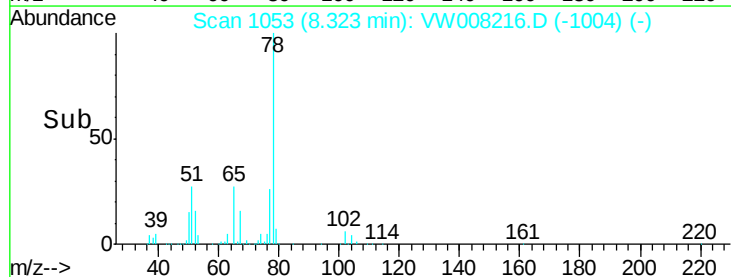
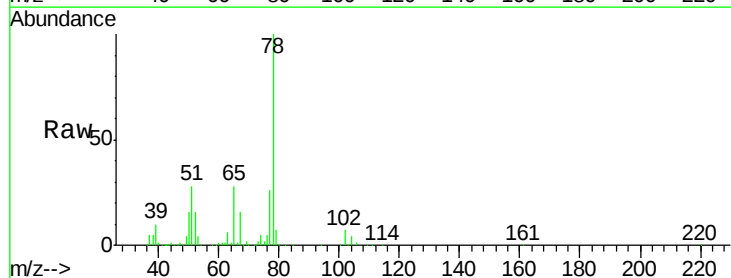
Manual Integrations
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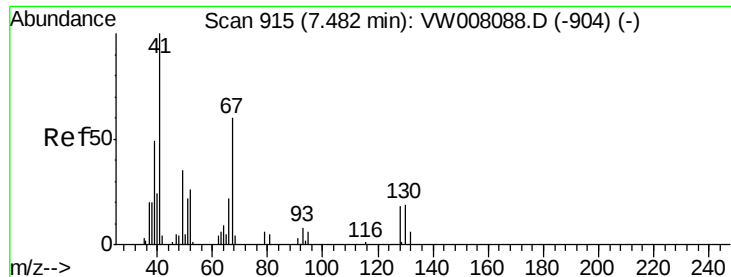
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#40
Benzene
Concen: 20.625 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.3	20.2	30.4





#41

Methacrylonitrile

Concen: 19.023 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

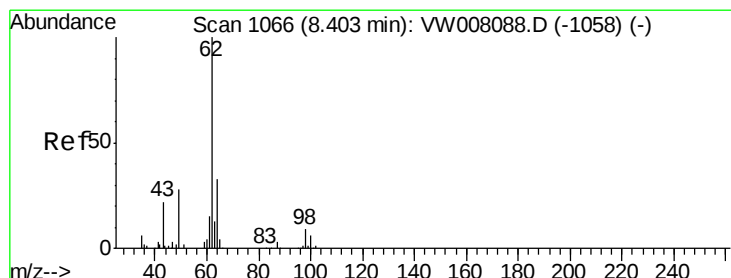
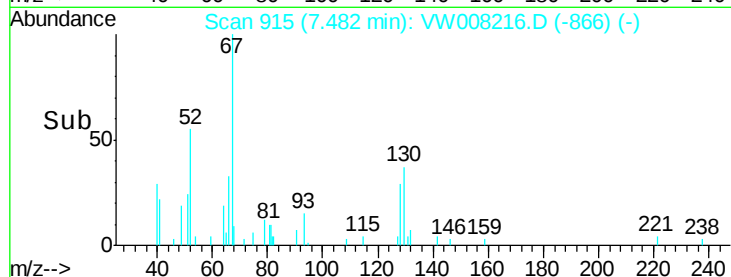
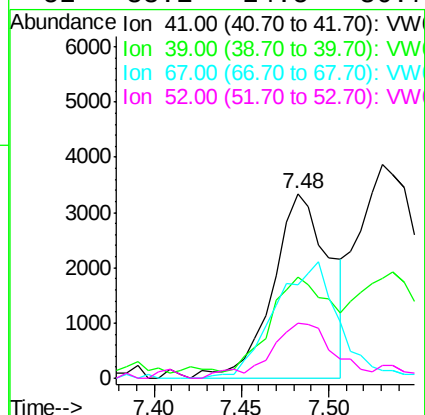
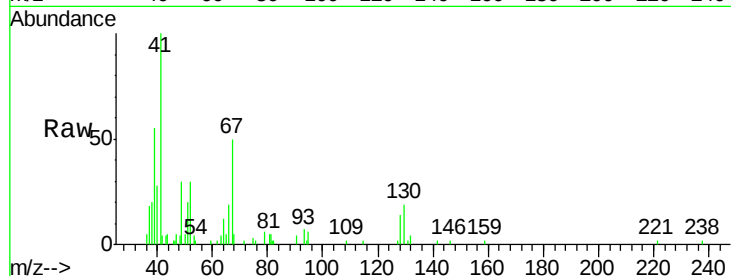
ClientSampleId :

VW0111SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.8	47.9	71.9
67	71.0	56.3	84.5
52	33.1	24.5	36.7

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#42

1,2-Dichloroethane

Concen: 20.333 ug/l

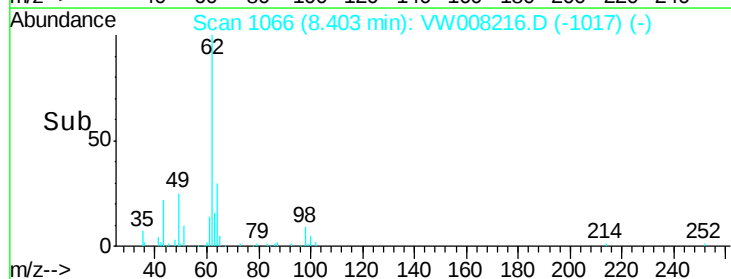
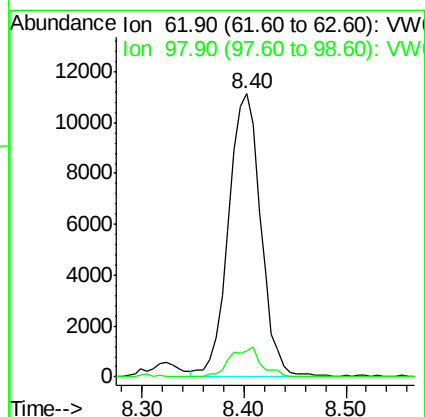
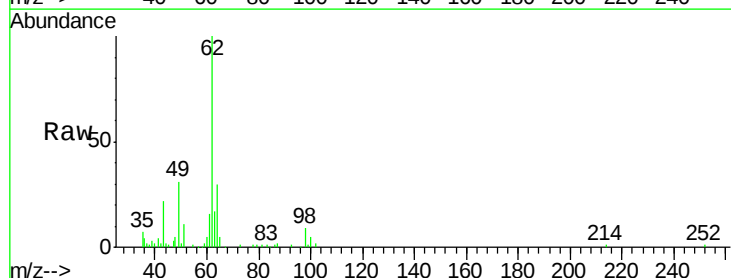
RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 18.863 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

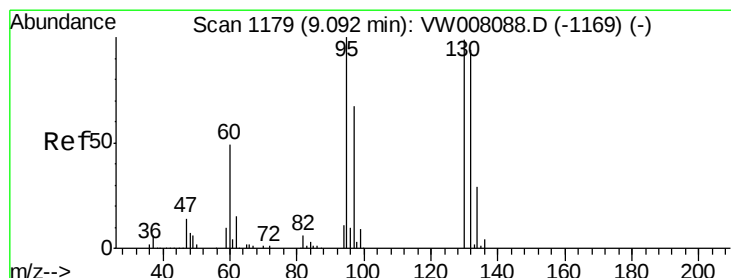
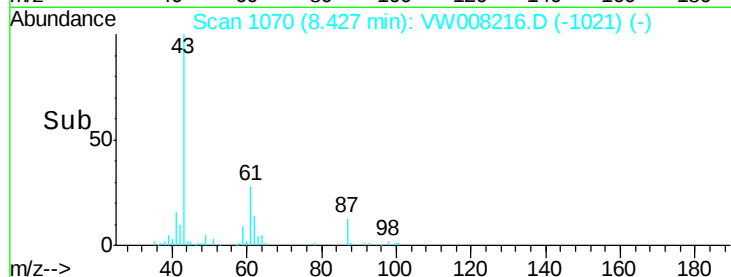
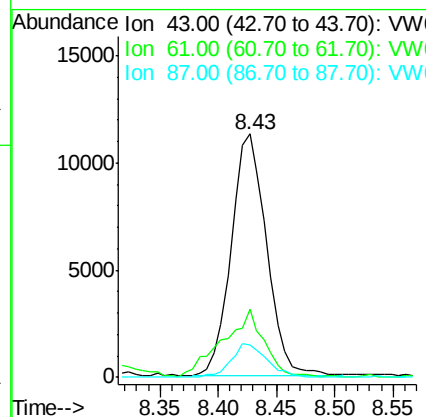
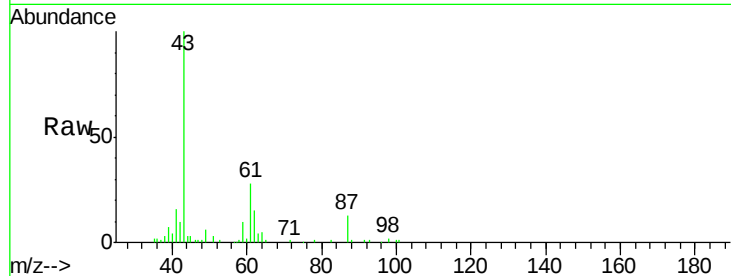
ClientSampled :

VW0111SBS02

Tot Ion:	43	Resp:	23771
Ion	Ratio	Lower	Upper
43	100		
61	33.2	24.8	37.2
87	13.9	10.4	15.6

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#44

Trichloroethene

Concen: 20.675 ug/l

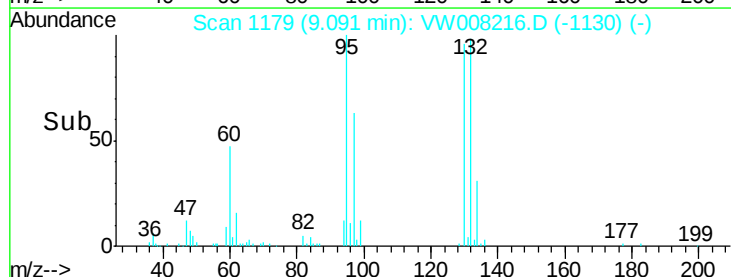
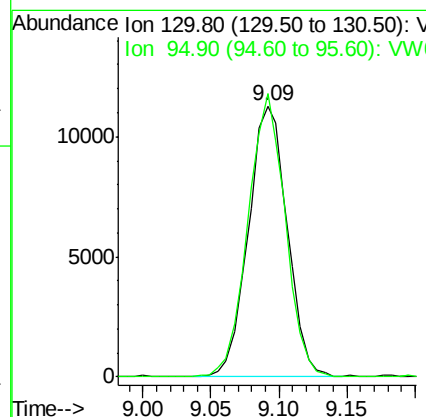
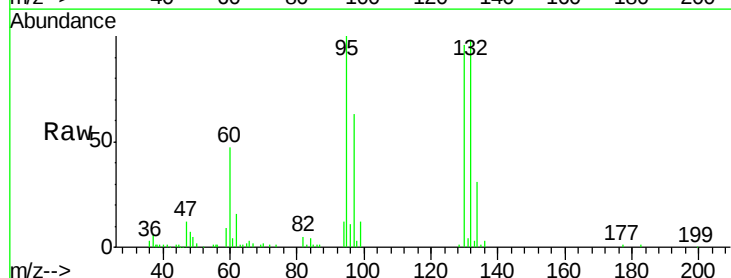
RT: 9.09 min Scan# 1179

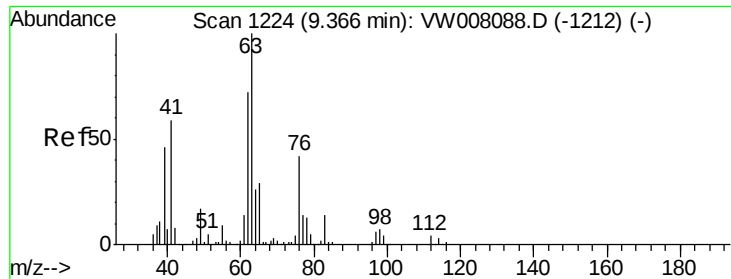
Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Tgt Ion:	130	Resp:	22584
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	202.8





#45

1,2-Dichloropropane

Concen: 21.181 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampled :

VW0111SBS02

Tot Ion: 63 Resp: 22411

Ion Ratio Lower Upper

63 100

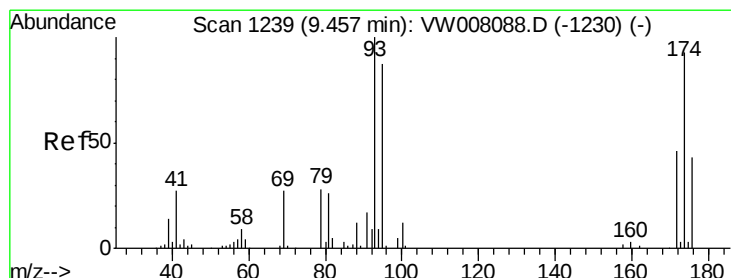
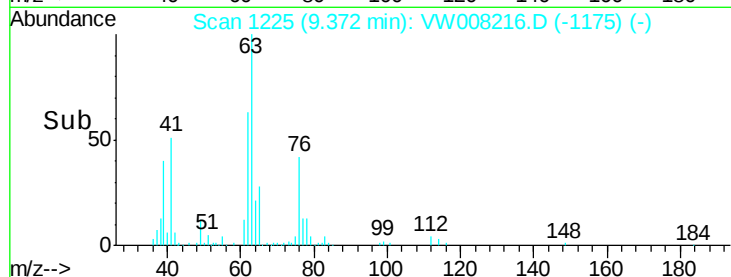
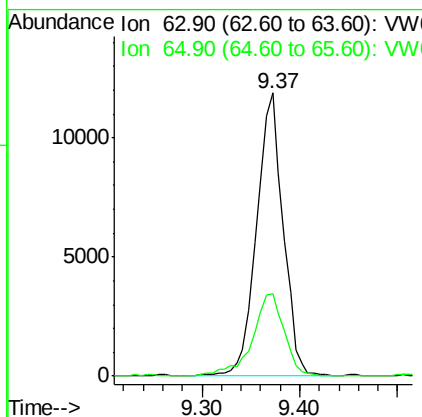
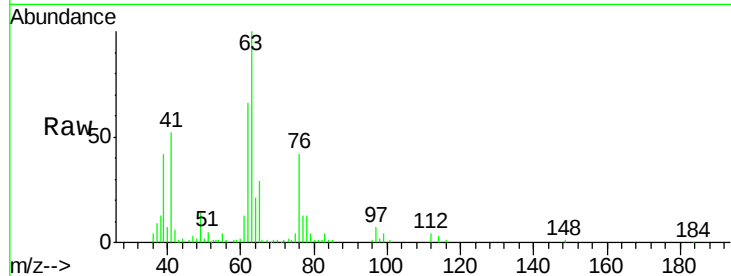
65 29.1 23.3 34.9

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#46

Dibromomethane

Concen: 21.429 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

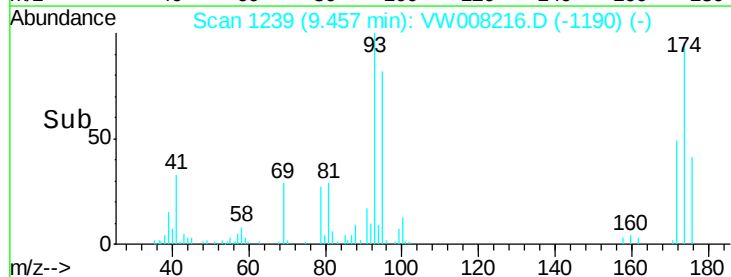
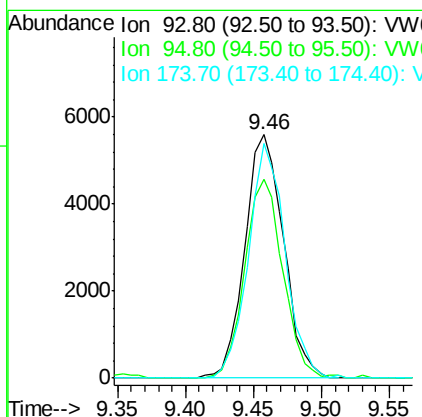
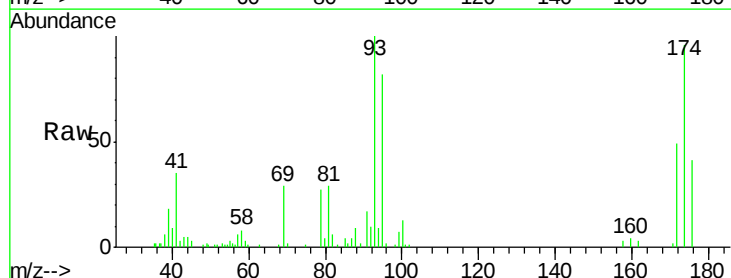
Tgt Ion: 93 Resp: 11135

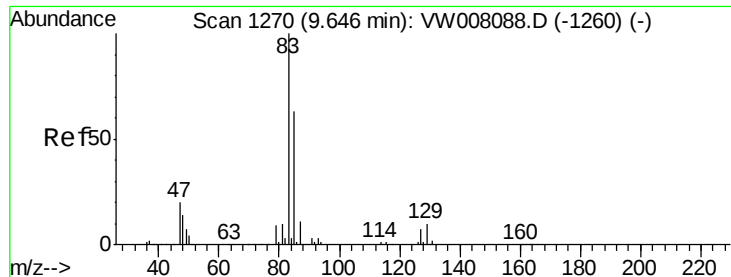
Ion Ratio Lower Upper

93 100

95 80.9 67.5 101.3

174 91.7 72.5 108.7





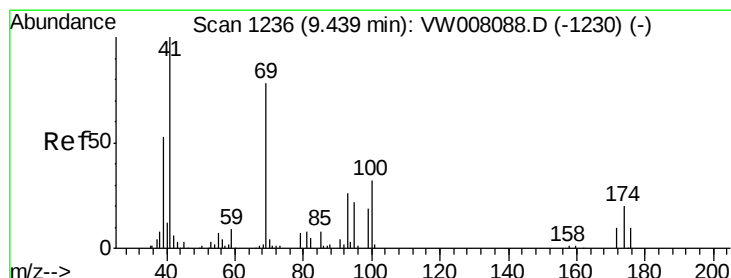
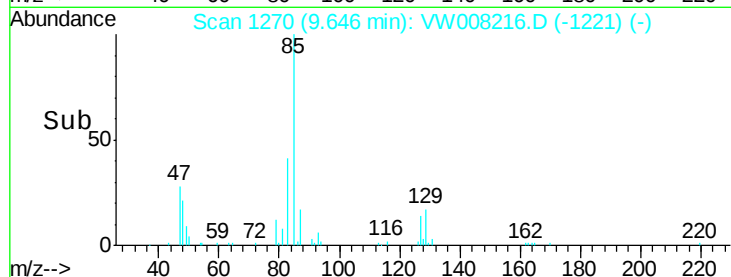
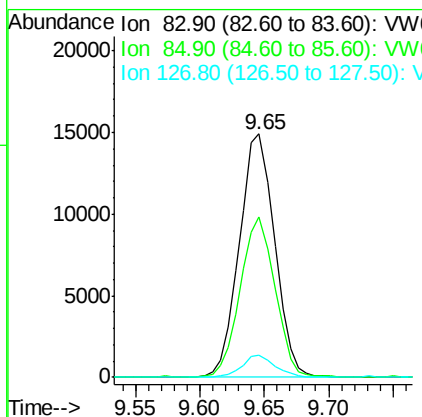
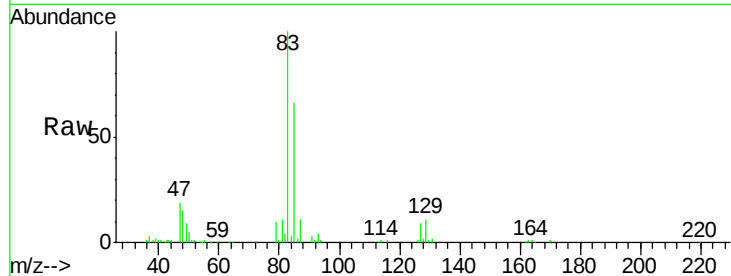
#47
Bromodichloromethane
Concen: 21.481 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.7	76.1
127	8.9	6.0	9.0

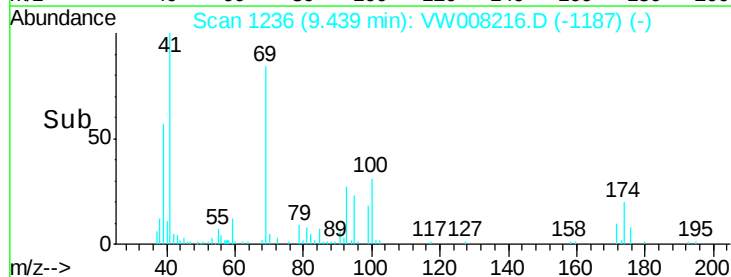
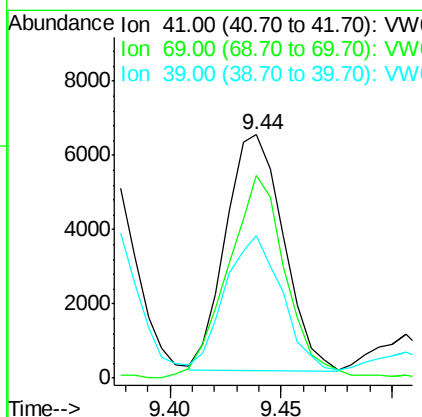
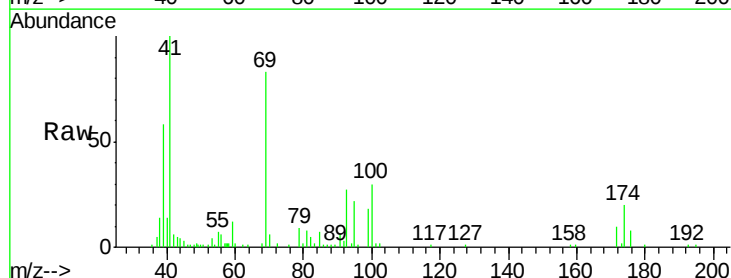
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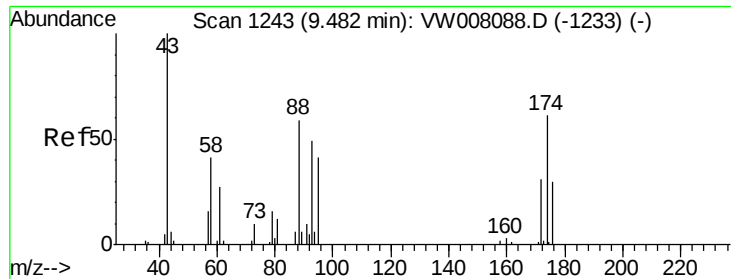
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#48
Methyl methacrylate
Concen: 19.219 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.6	61.9	92.9
39	59.0	43.0	64.4





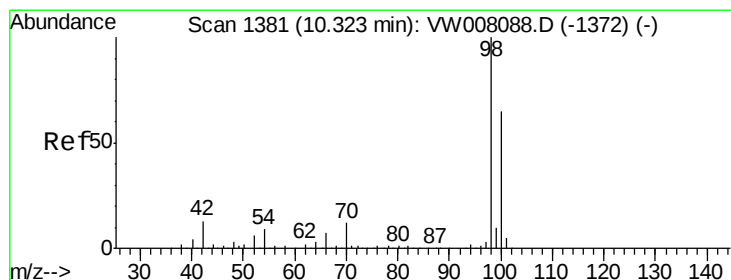
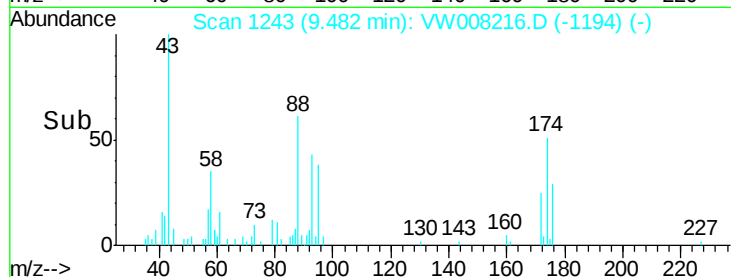
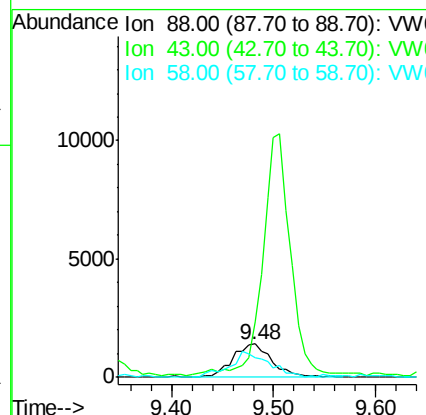
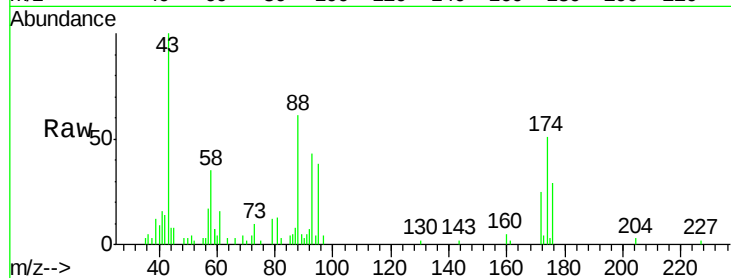
#49
1,4-Dioxane
Concen: 452.826 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.6	61.7	92.5

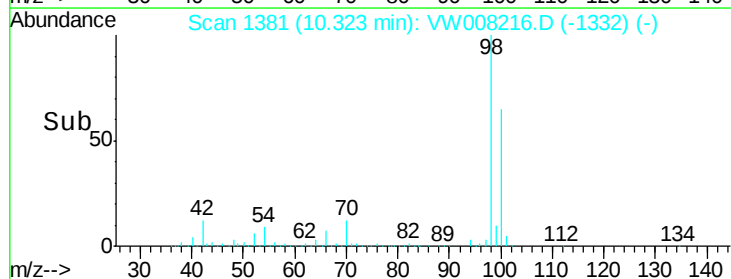
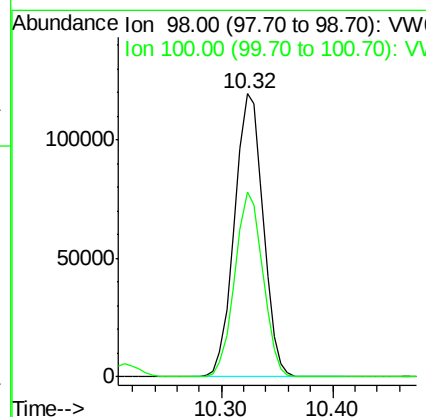
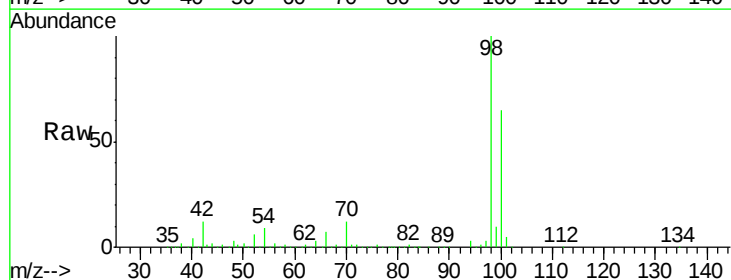
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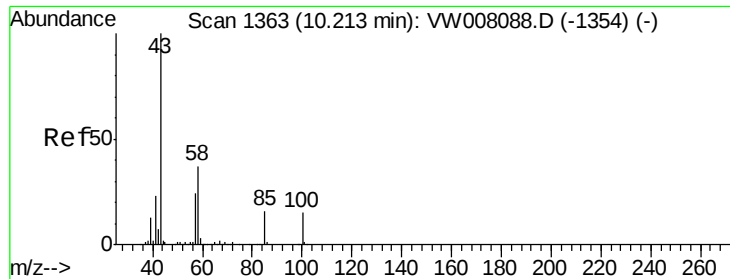
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#50
Toluene-d8
Concen: 57.146 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 100.029 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBS02

Tot Ion: 43 Resp: 61018

Ion Ratio Lower Upper

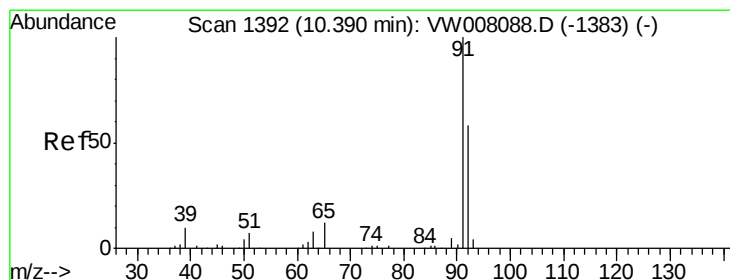
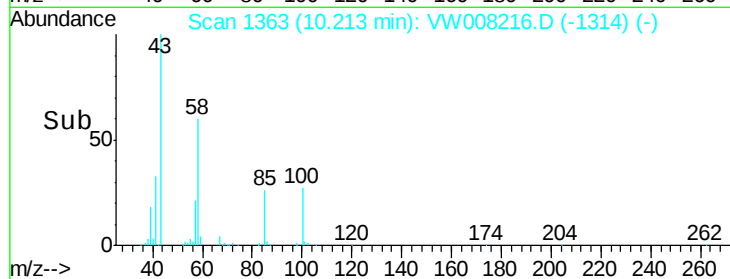
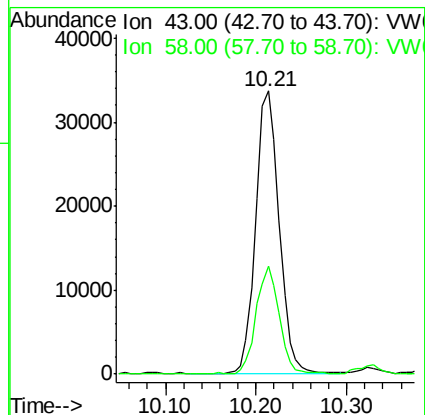
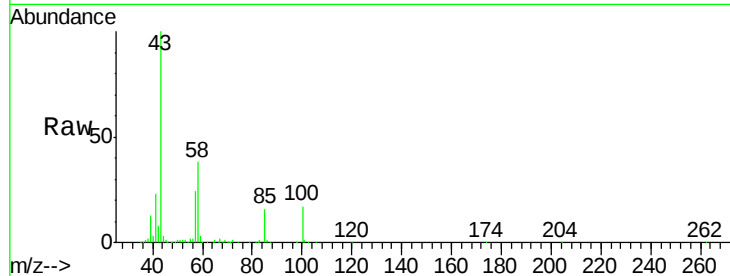
43 100

58 37.3 30.6 46.0

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#52

Toluene

Concen: 20.759 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008216.D

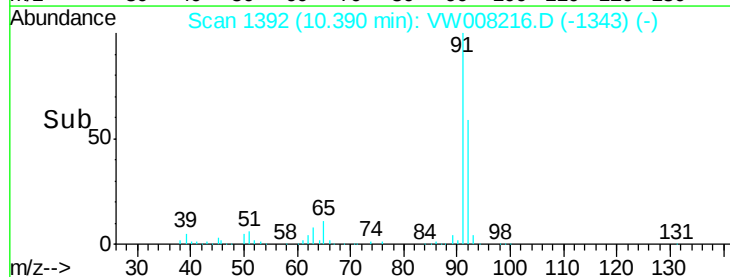
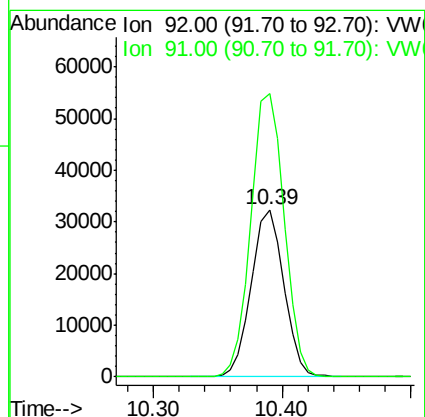
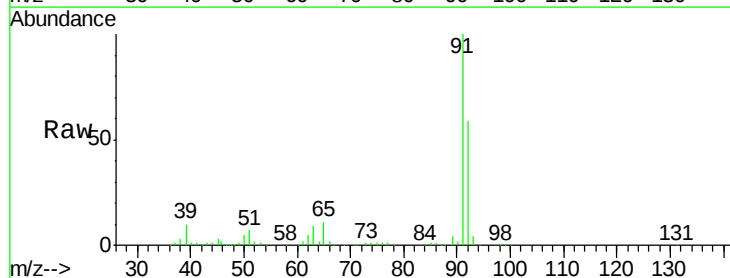
Acq: 12 Jan 2019 03:09

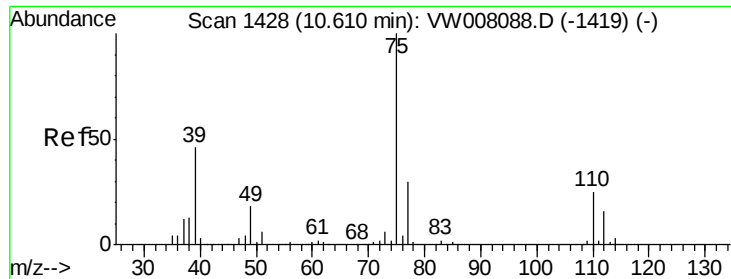
Tgt Ion: 92 Resp: 56570

Ion Ratio Lower Upper

92 100

91 173.1 137.0 205.4





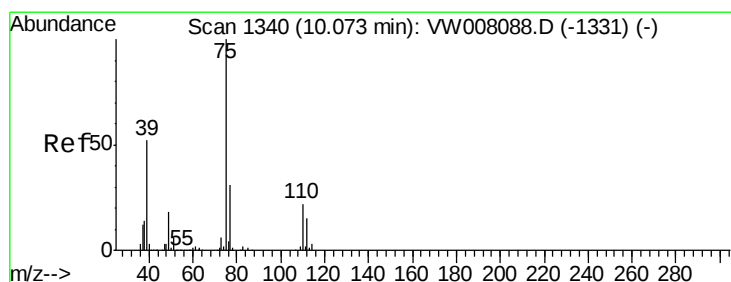
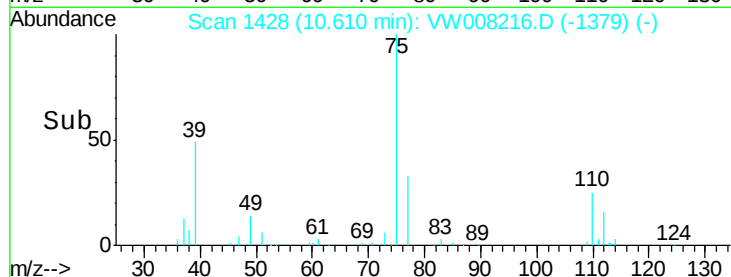
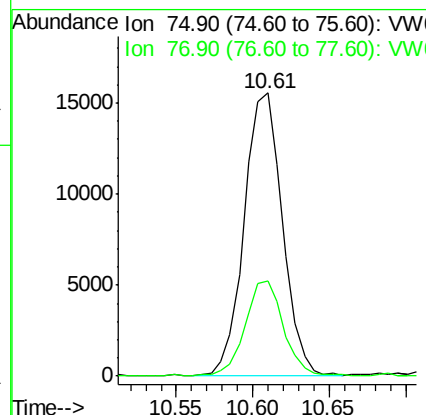
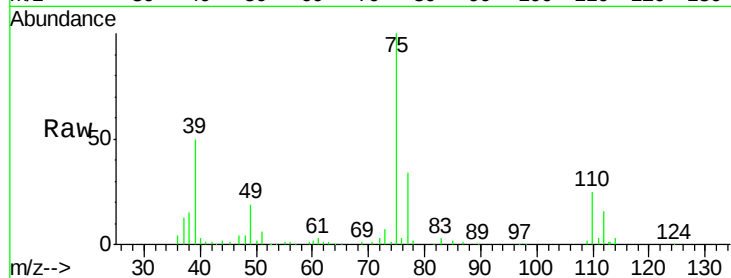
#53
 t-1,3-Dichloropropene
 Concen: 19.728 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.4	36.6

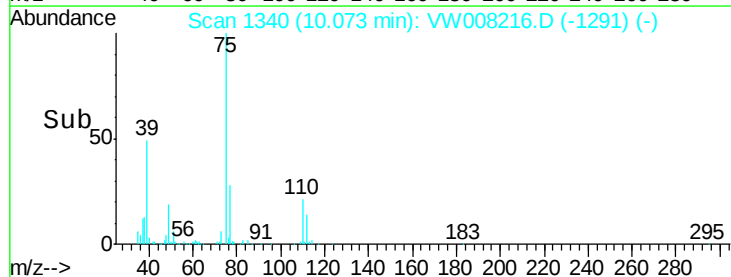
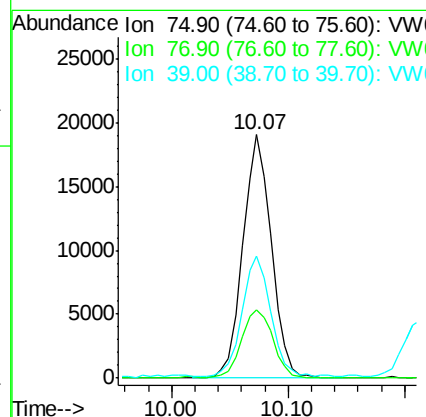
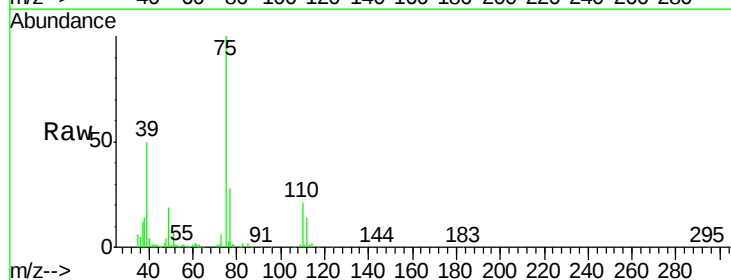
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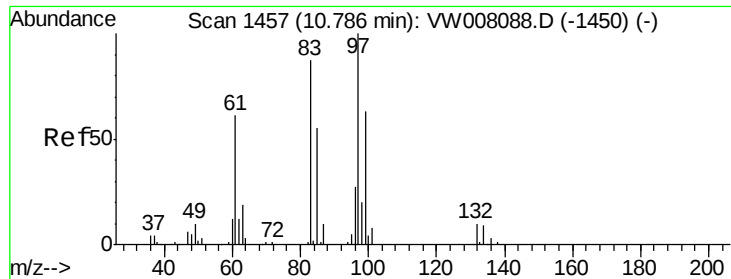
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#54
 cis-1,3-Dichloropropene
 Concen: 19.944 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.2	25.2	37.8
39	49.2	41.4	62.0





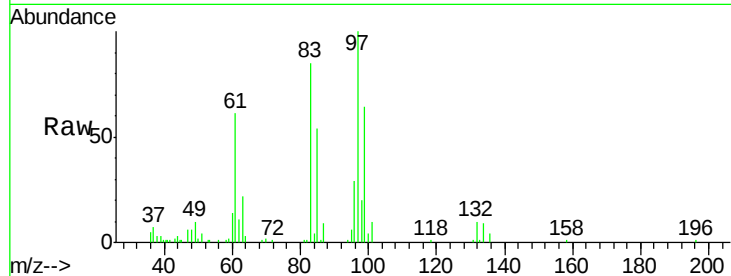
#55
 1,1,2-Trichloroethane
 Concen: 22.062 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBS02

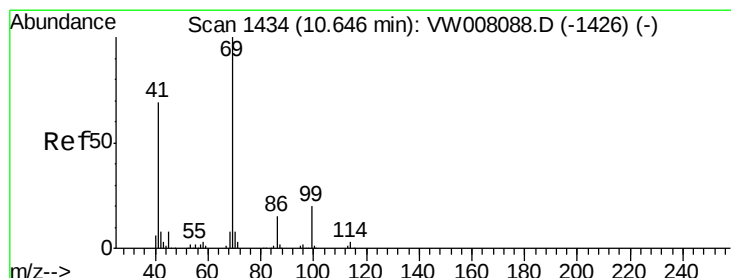
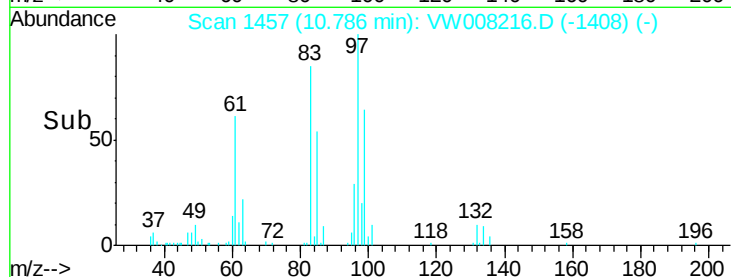
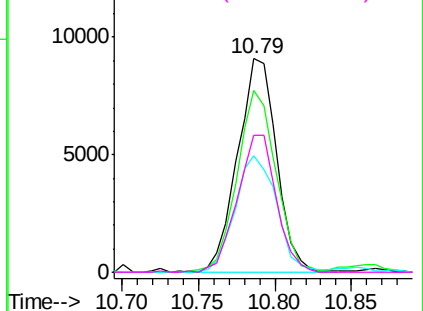
Tot Ion:	97	Resp:	16095
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.3	103.9
85	54.3	43.8	65.6
99	64.0	50.0	75.0

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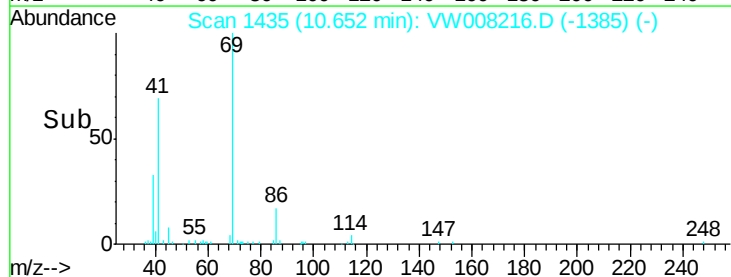
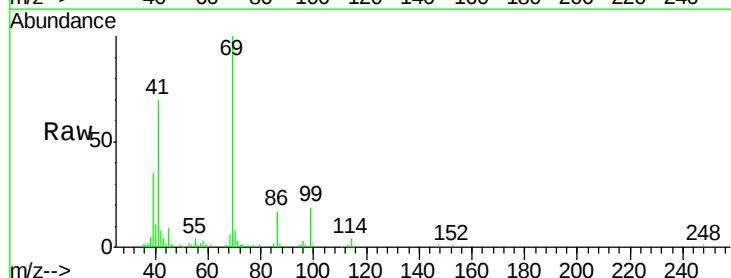
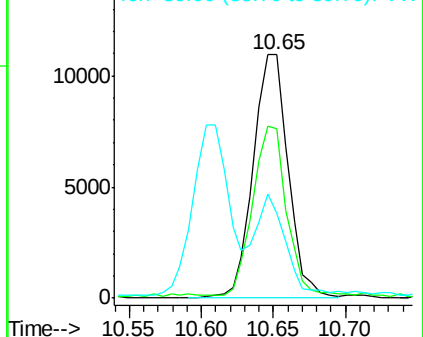
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.330 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Tgt Ion:	69	Resp:	18368
Ion	Ratio	Lower	Upper
69	100		
41	66.5	56.4	84.6
39	36.4	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





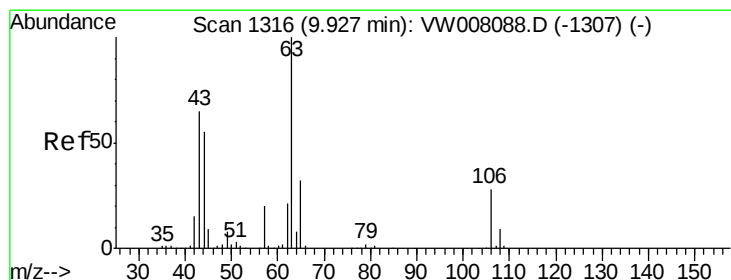
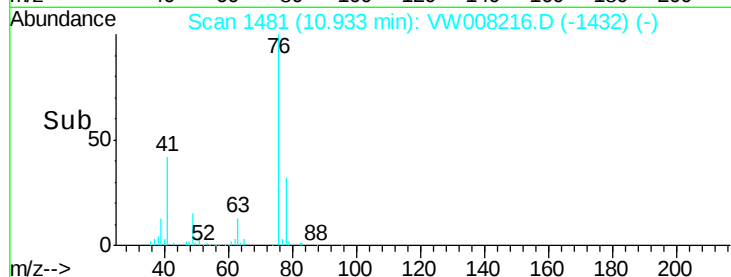
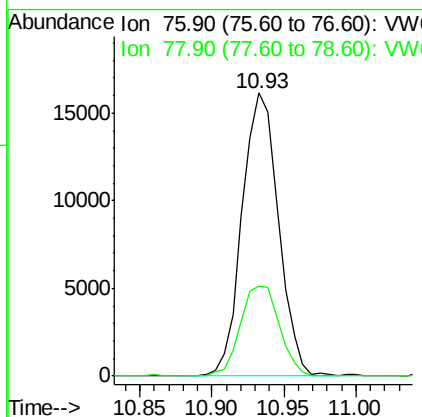
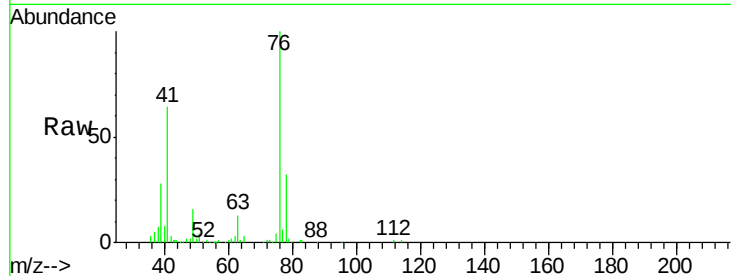
#57
 1,3-Dichloropropane
 Concen: 21.238 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.2	25.7	38.5

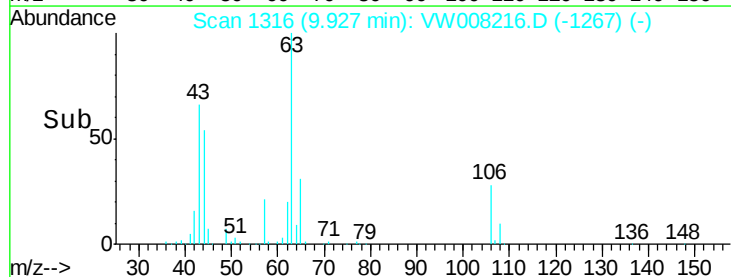
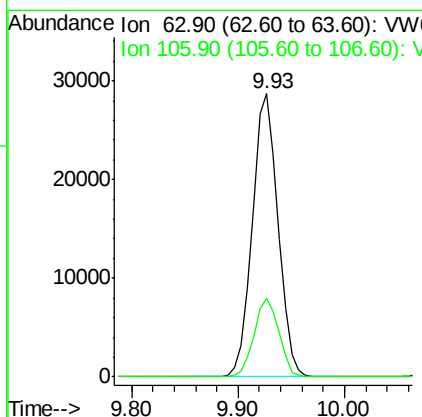
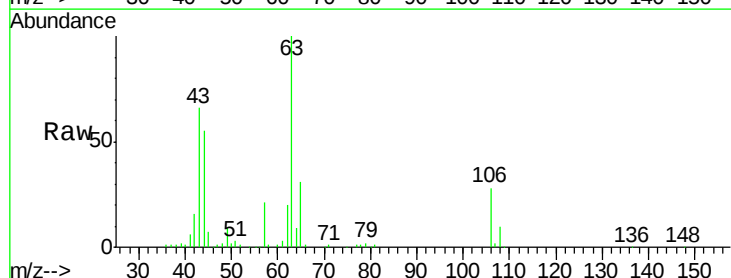
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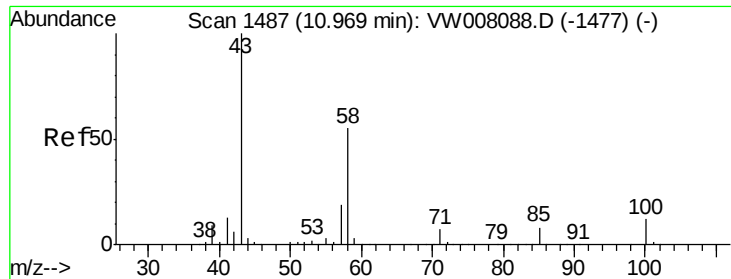
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.482 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.8	32.6





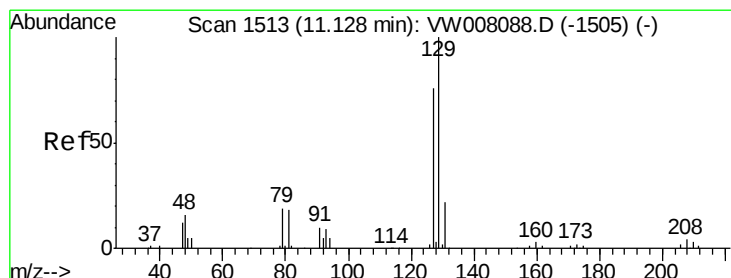
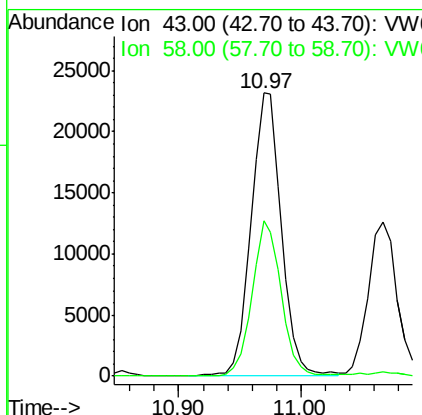
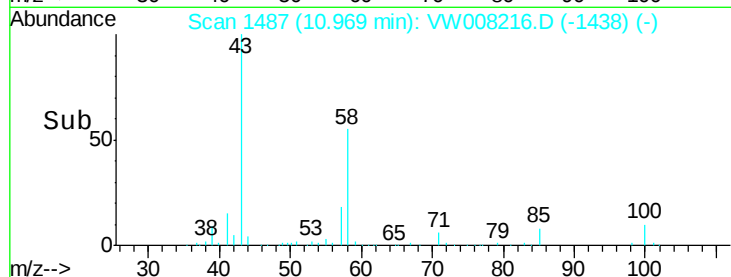
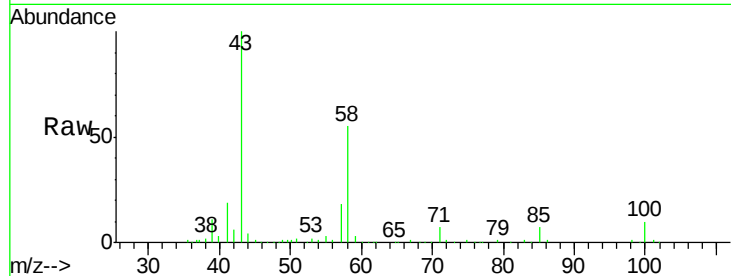
#59
2-Hexanone
Concen: 97.223 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampled :
VW0111SBS02

Tot Ion: 43 Resp: 40106
Ion Ratio Lower Upper
43 100
58 52.5 27.2 81.5

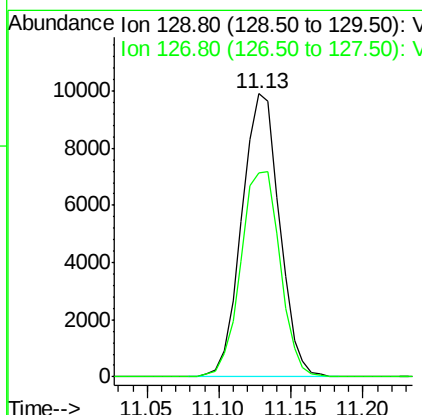
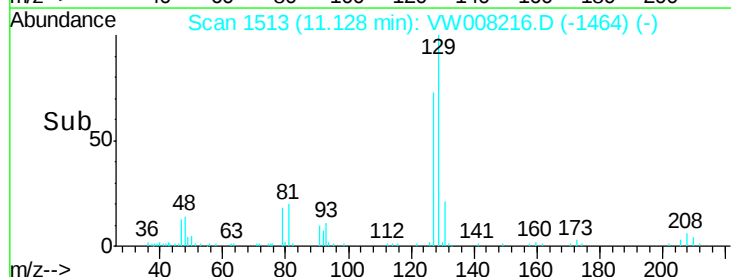
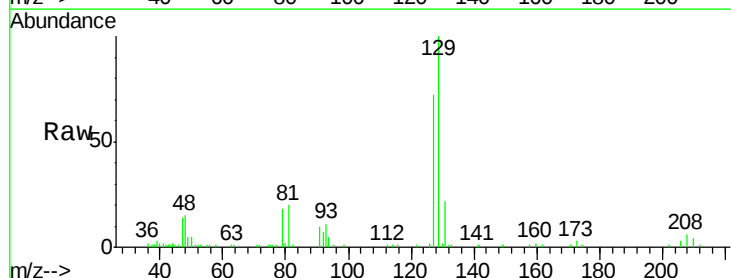
Manual Integrations
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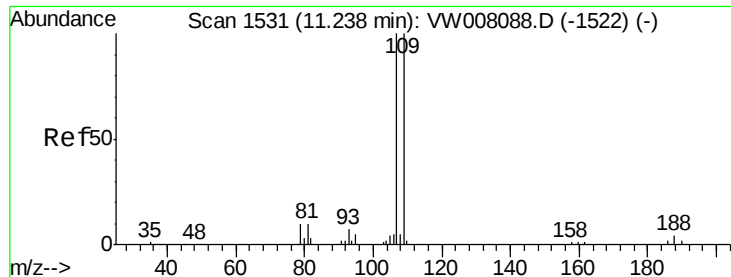
apatel
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#60
Dibromochloromethane
Concen: 22.372 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion: 129 Resp: 17923
Ion Ratio Lower Upper
129 100
127 75.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 22.300 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampled :

VW0111SBS02

Tot Ion:107 Resp: 15437

Ion Ratio Lower Upper

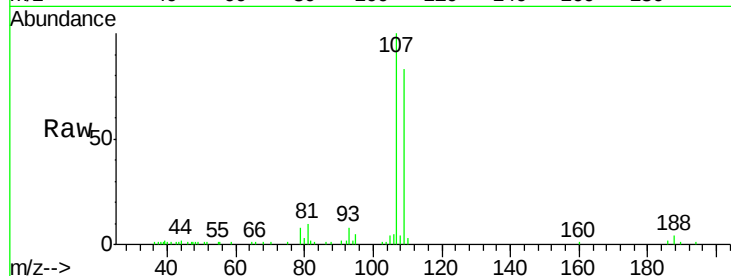
107 100

109 91.7 75.9 113.9

Manual Integrations
APPROVED

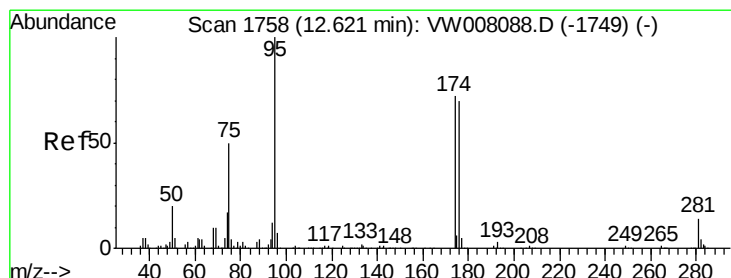
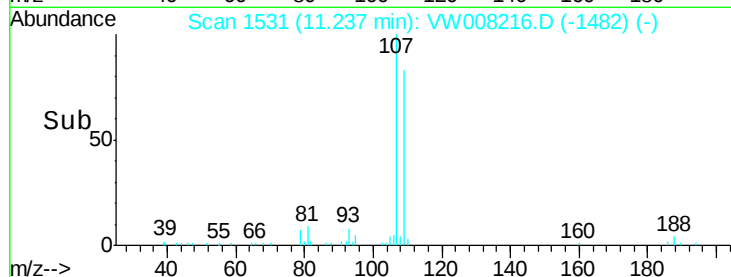
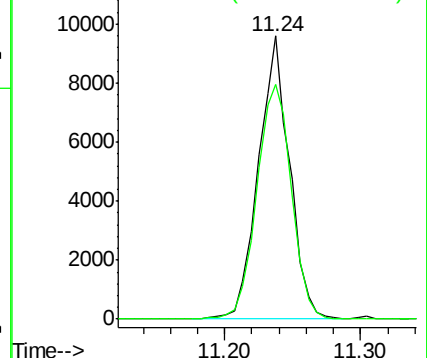
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.302 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

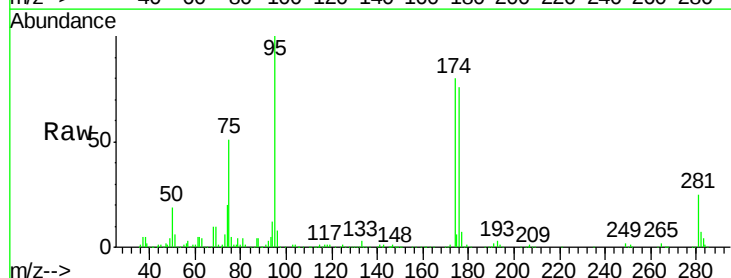
Tgt Ion: 95 Resp: 74108

Ion Ratio Lower Upper

95 100

174 76.1 0.0 143.0

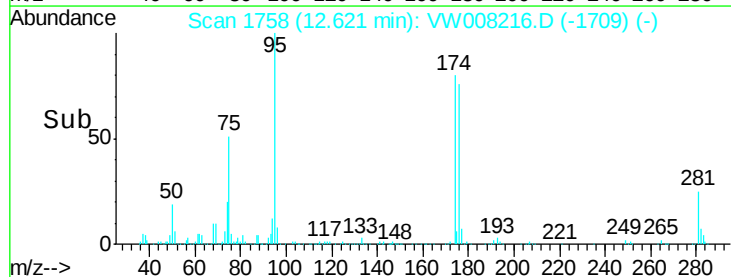
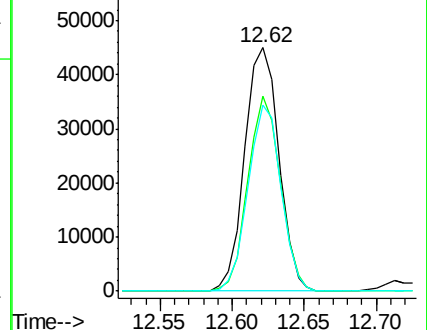
176 73.4 0.0 140.2

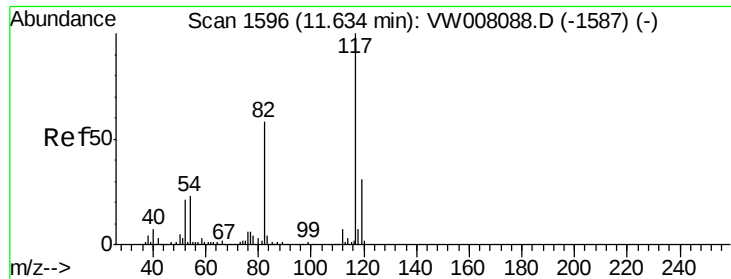


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





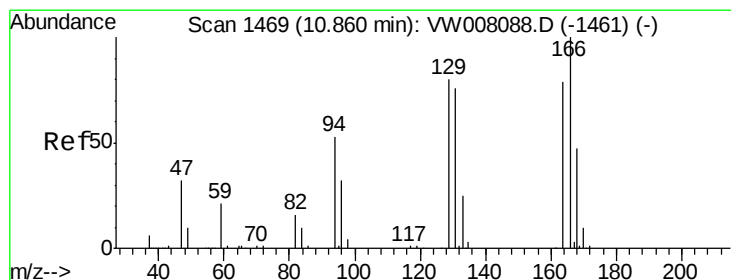
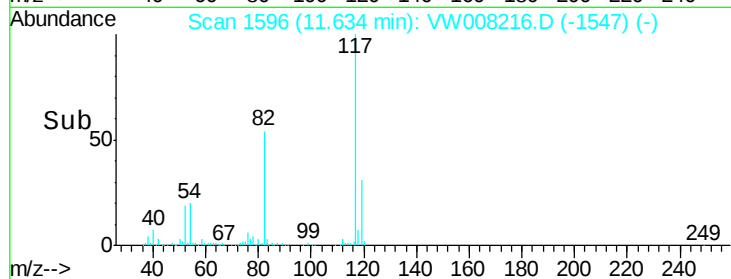
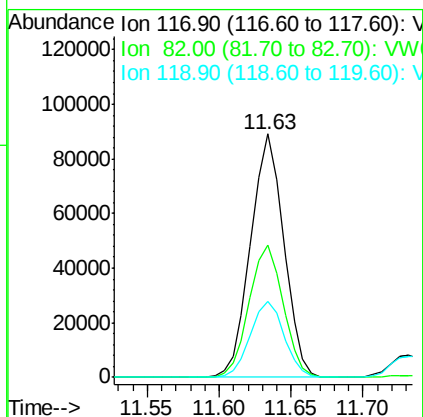
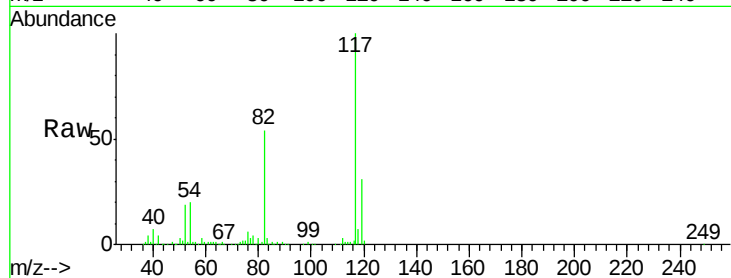
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	46.4	69.6
119	31.1	24.7	37.1

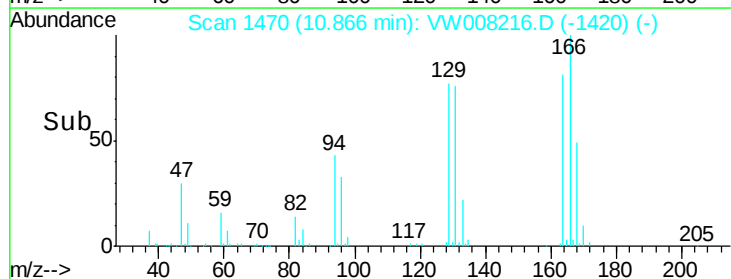
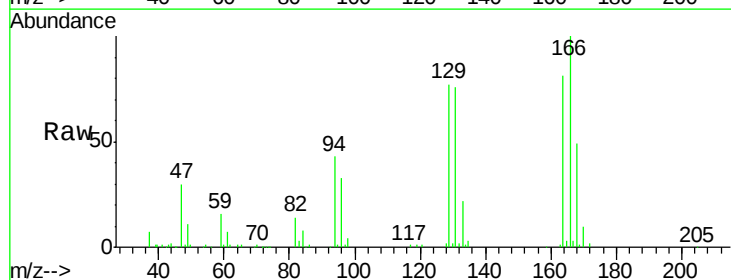
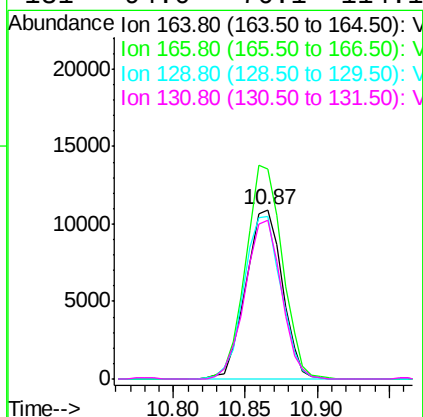
Manual Integrations
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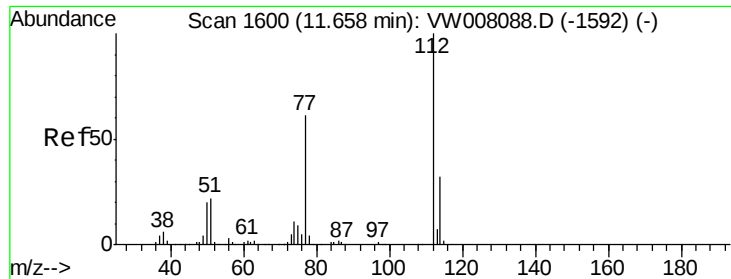
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#64
Tetrachloroethene
Concen: 20.608 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	100.7	151.1
129	95.7	81.0	121.4
131	94.0	76.1	114.1





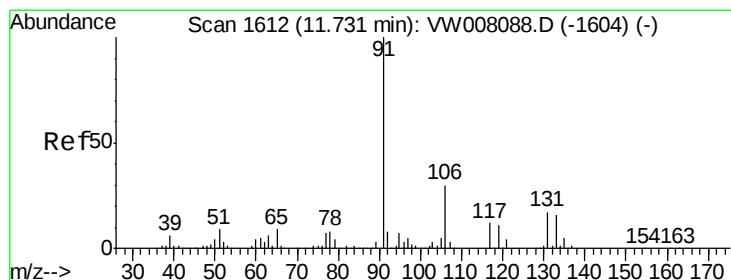
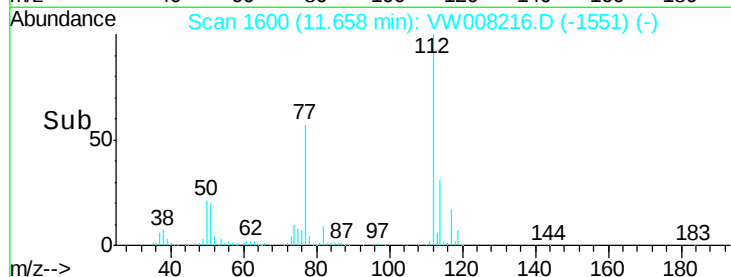
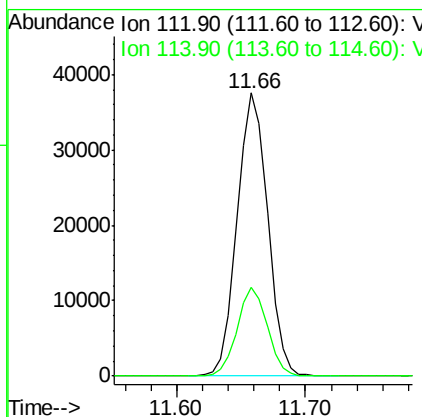
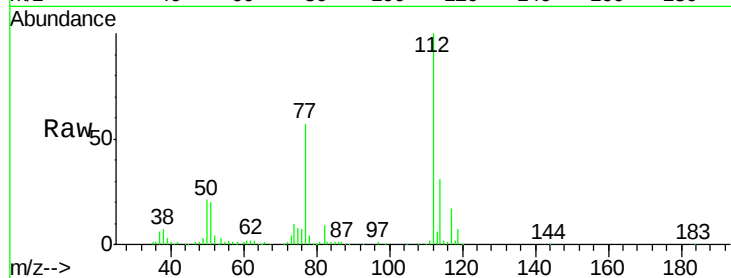
#65
Chlorobenzene
Concen: 20.408 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion:112 Resp: 61565
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4

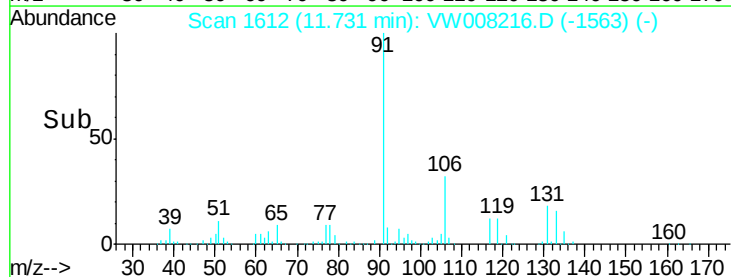
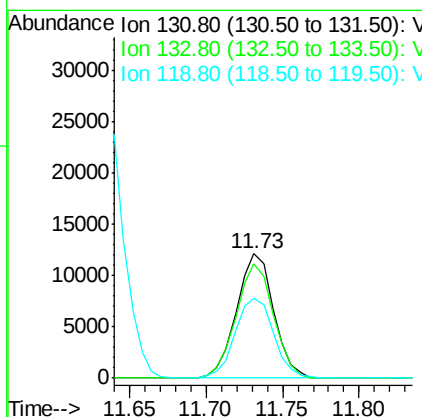
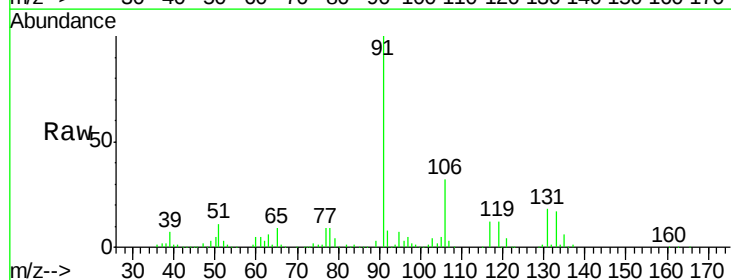
Manual Integrations
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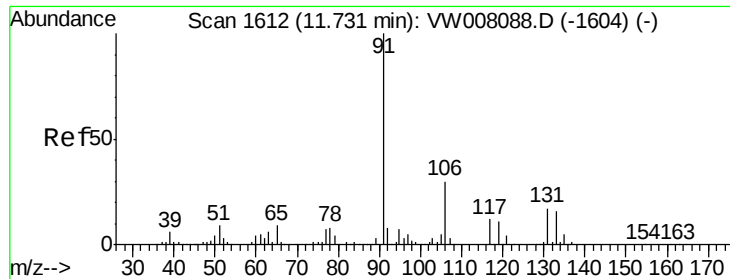
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.797 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion:131 Resp: 20406
Ion Ratio Lower Upper
131 100
133 93.4 47.9 143.7
119 67.0 32.5 97.4





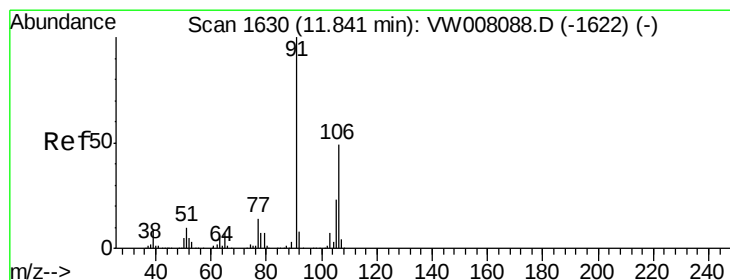
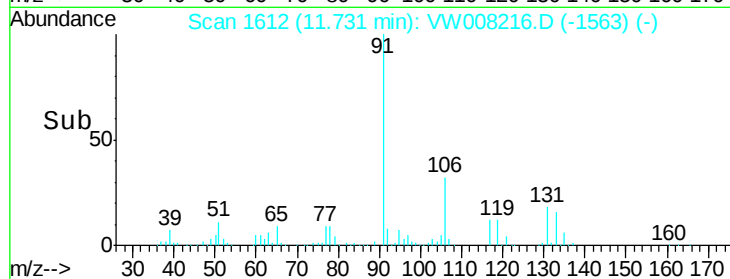
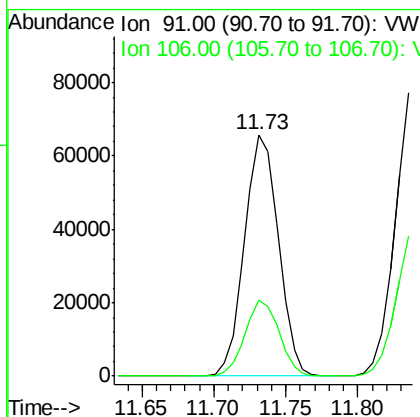
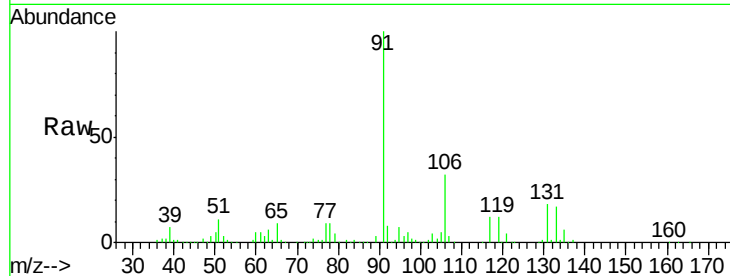
#67
Ethyl Benzene
Concen: 19.416 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion: 91 Resp: 107172
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.4

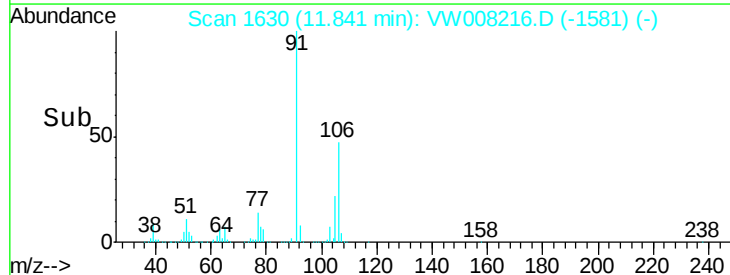
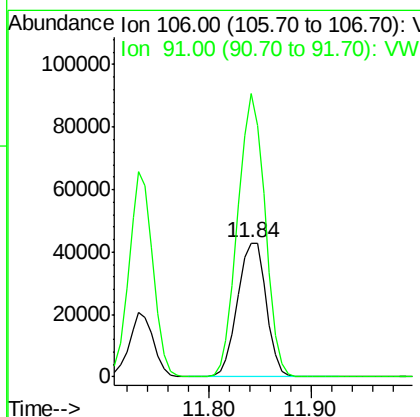
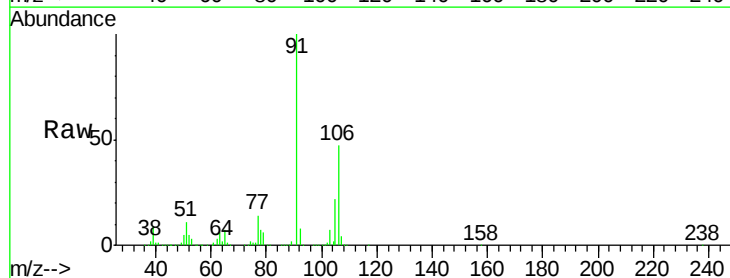
Manual Integrations
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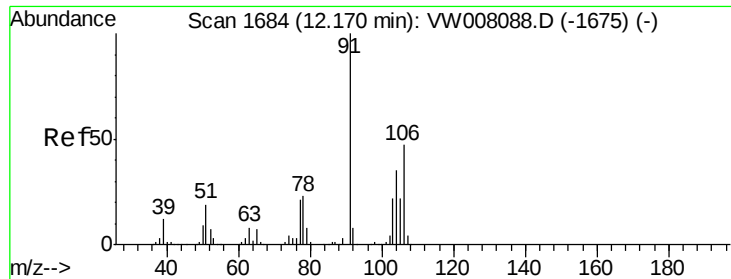
apatel
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#68
m/p-Xylenes
Concen: 39.590 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion: 106 Resp: 83408
Ion Ratio Lower Upper
106 100
91 202.0 162.4 243.6





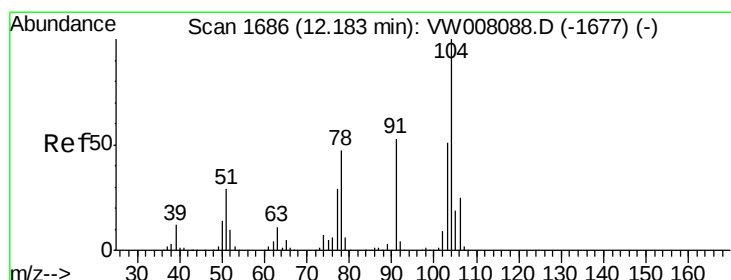
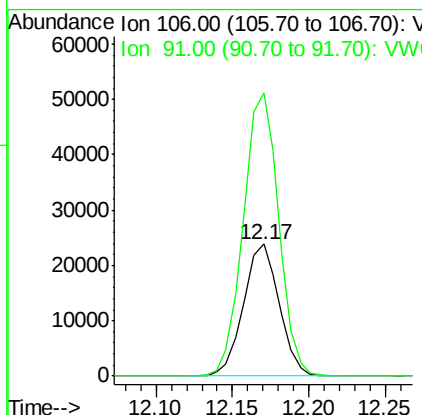
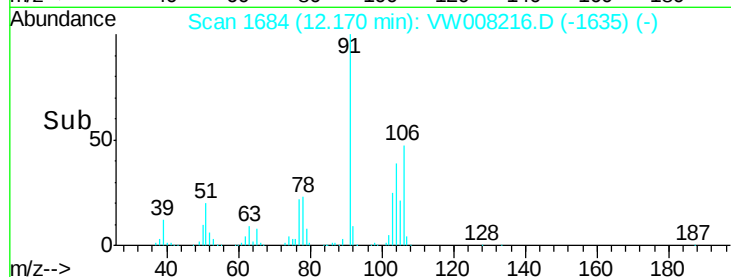
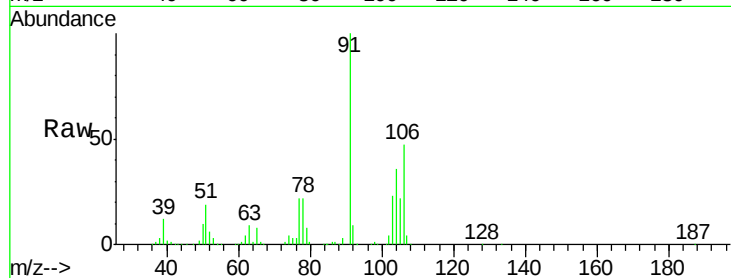
#69
o-Xylene
Concen: 19.788 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion:106 Resp: 38606
Ion Ratio Lower Upper
106 100
91 213.5 107.8 323.6

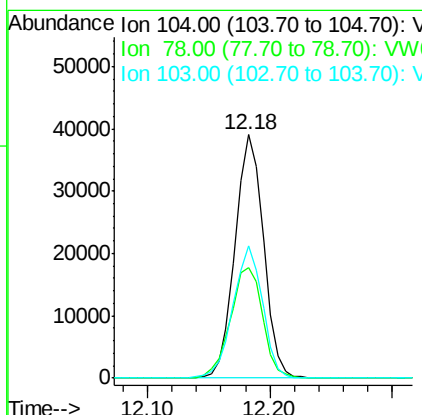
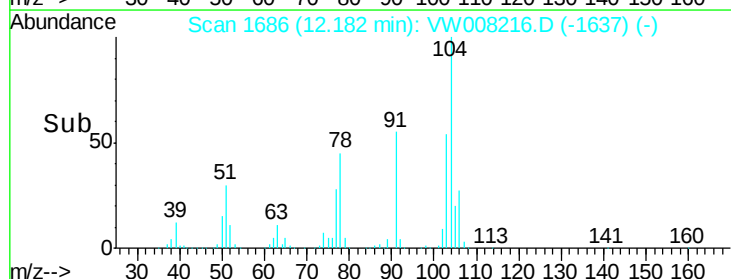
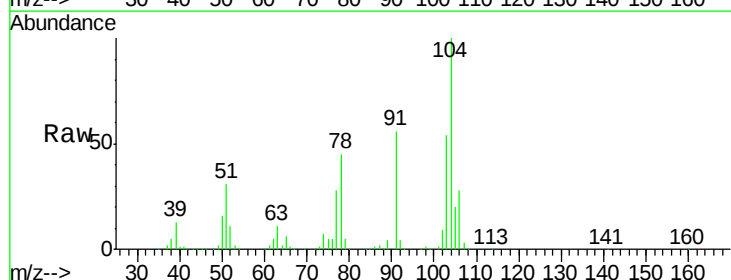
Manual Integrations
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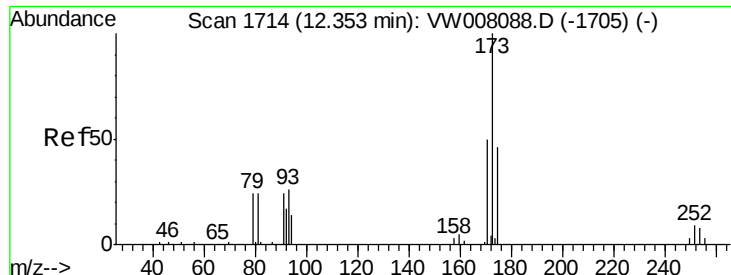
apatel
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#70
Styrene
Concen: 20.575 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion:104 Resp: 62876
Ion Ratio Lower Upper
104 100
78 51.2 41.8 62.8
103 56.2 43.8 65.8





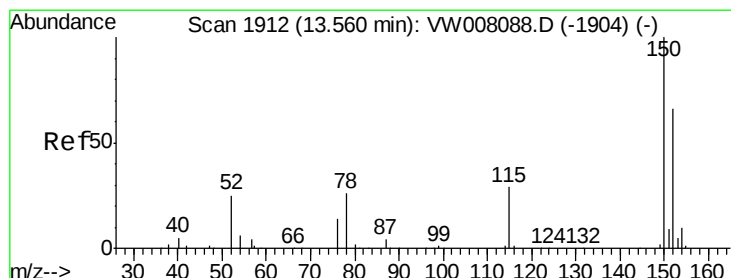
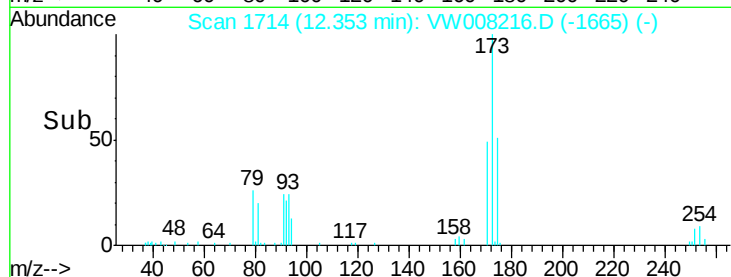
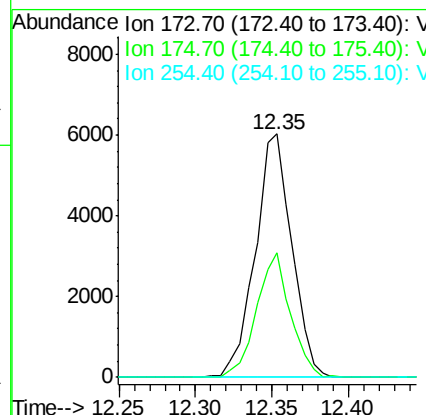
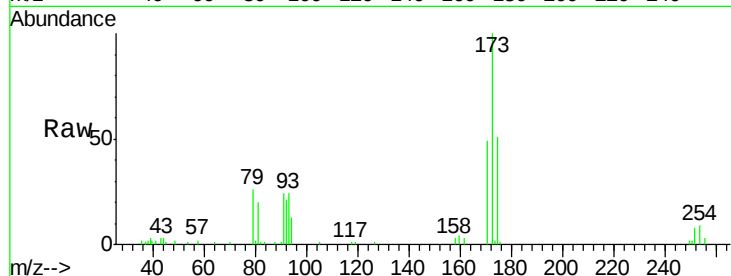
#71
Bromoform
Concen: 22.872 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.3	69.8
254	0.0	0.0	0.0

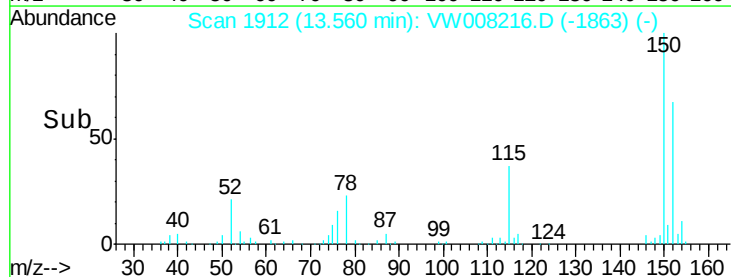
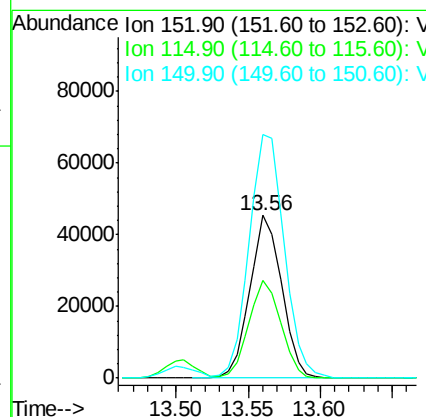
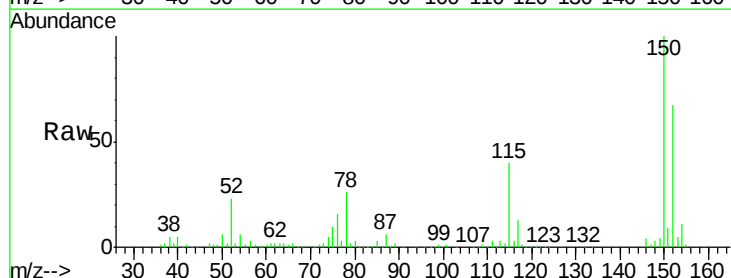
Manual Integrations
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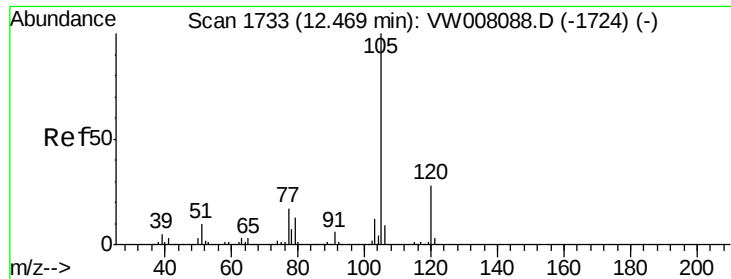
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.8	92.4
150	165.2	0.0	350.2





#73

Isopropylbenzene

Concen: 19.167 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBS02

Tot Ion:105 Resp: 104397

Ion Ratio Lower Upper

105 100

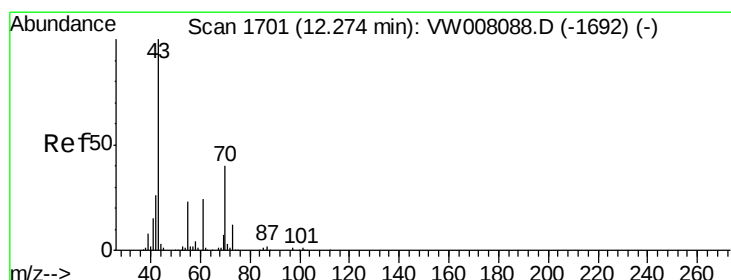
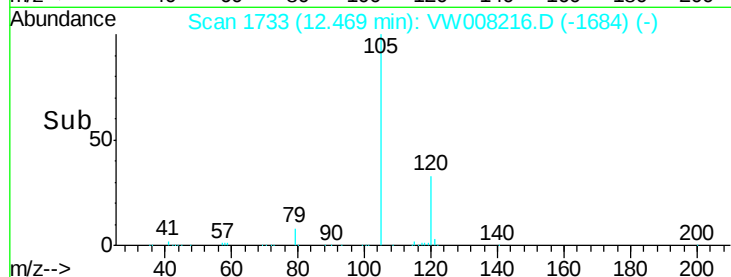
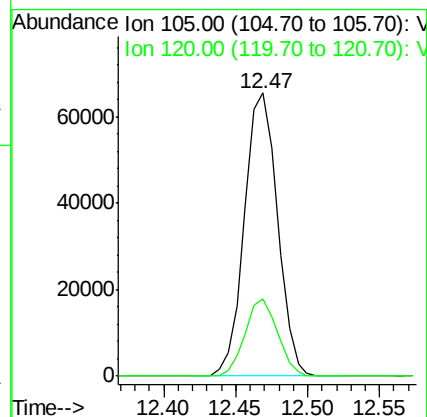
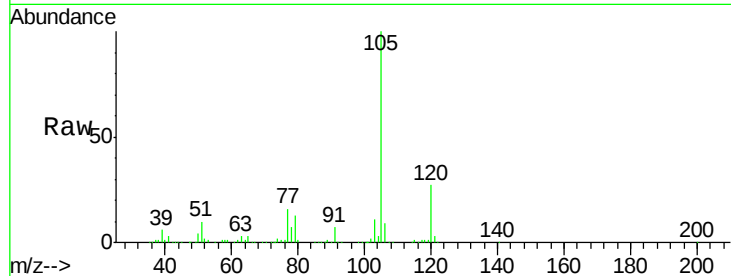
120 26.9 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.074 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Tgt Ion: 43 Resp: 23007

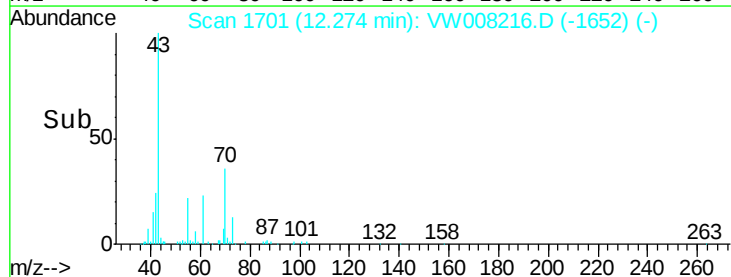
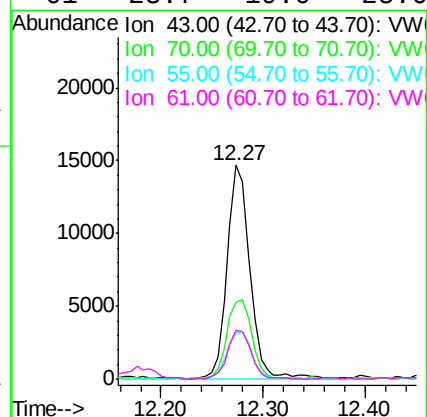
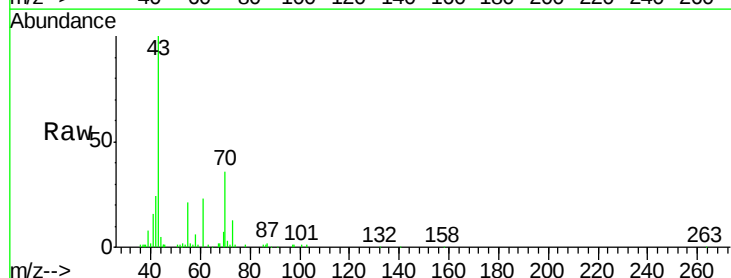
Ion Ratio Lower Upper

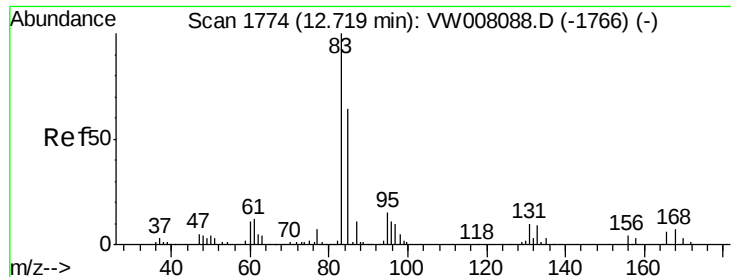
43 100

70 40.9 32.4 48.6

55 24.6 18.7 28.1

61 23.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.301 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

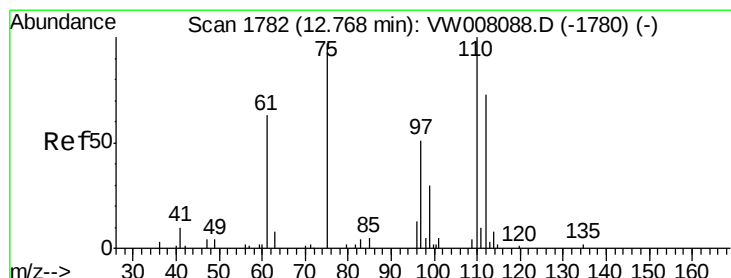
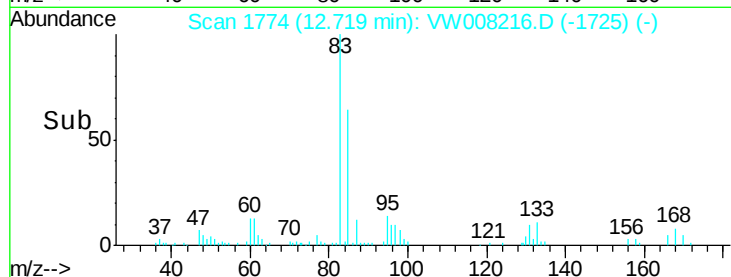
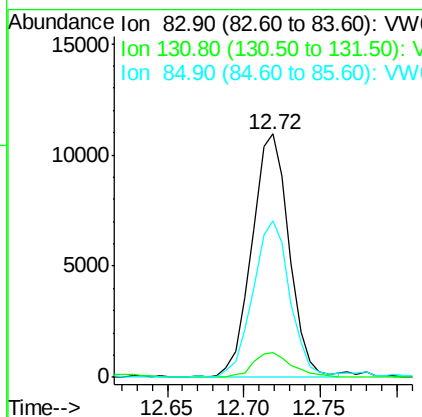
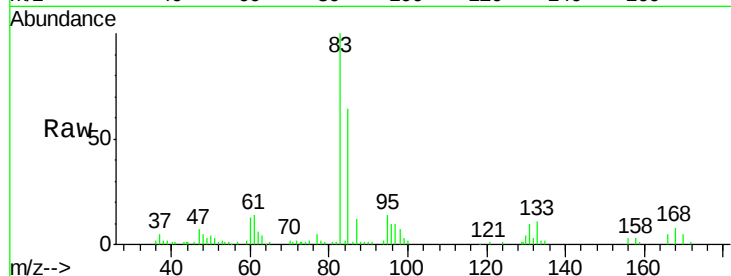
ClientSampleId :

VW0111SBS02

Tot Ion:	83	Resp:	18571
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	16.1
85	64.1	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.043 ug/l m

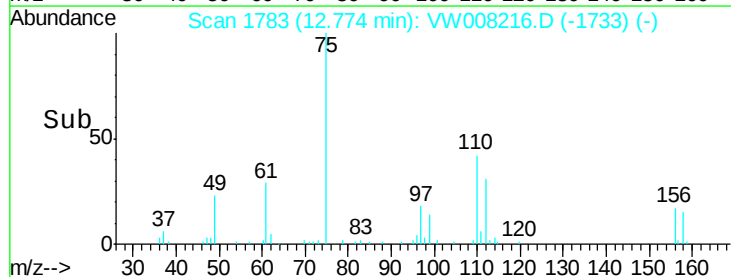
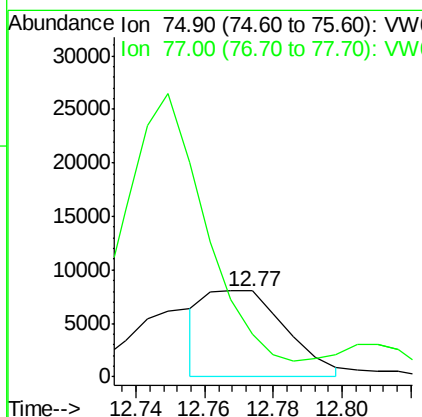
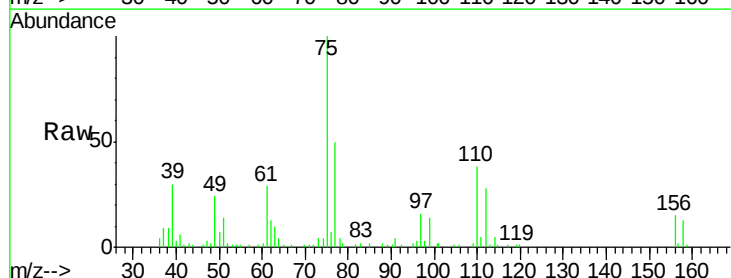
RT: 12.77 min Scan# 1783

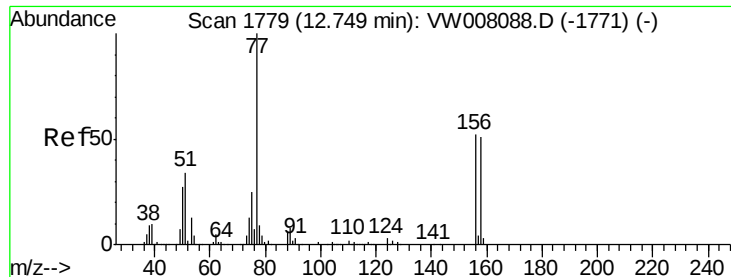
Delta R.T. 0.01 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Tgt Ion:	75	Resp:	13309
Ion	Ratio	Lower	Upper
75	100		
77	0.0	179.4	538.2#





#77

Bromobenzene

Concen: 20.818 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008216.D

Acq: 12 Jan 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBS02

Tot Ion:156 Resp: 23959

Ion Ratio Lower Upper

156 100

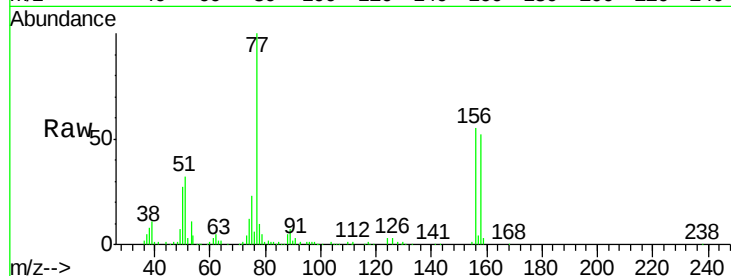
77 190.4 104.2 312.5

158 94.7 47.9 143.6

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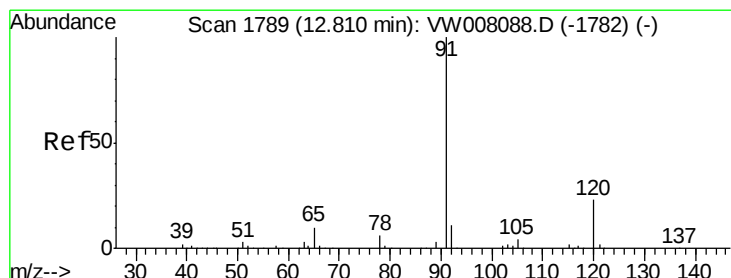
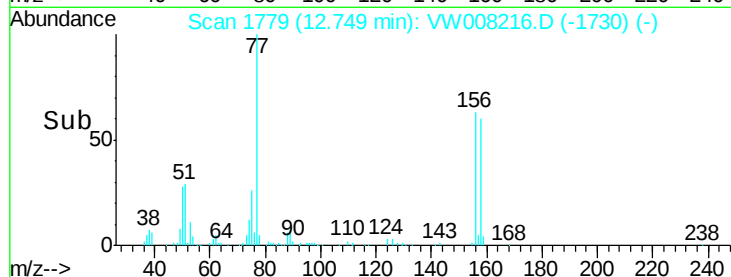
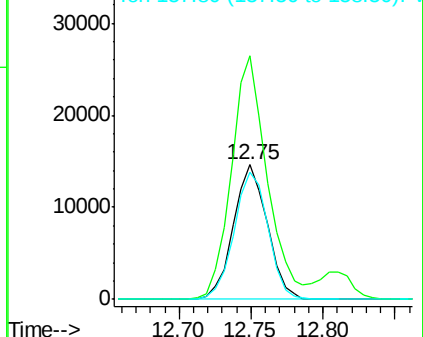
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.435 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008216.D

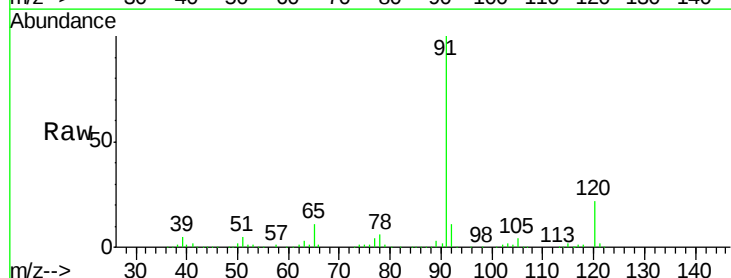
Acq: 12 Jan 2019 03:09

Tgt Ion: 91 Resp: 129709

Ion Ratio Lower Upper

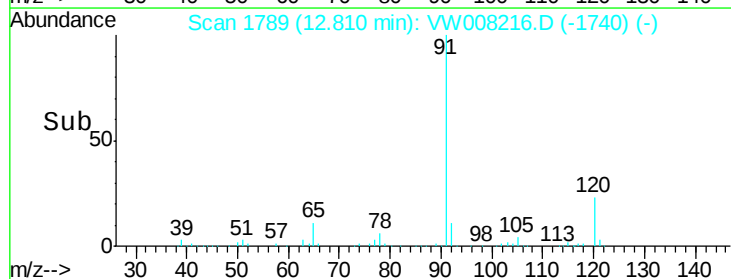
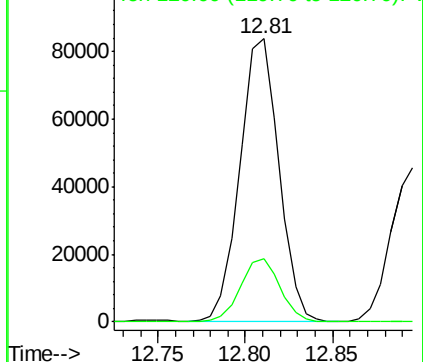
91 100

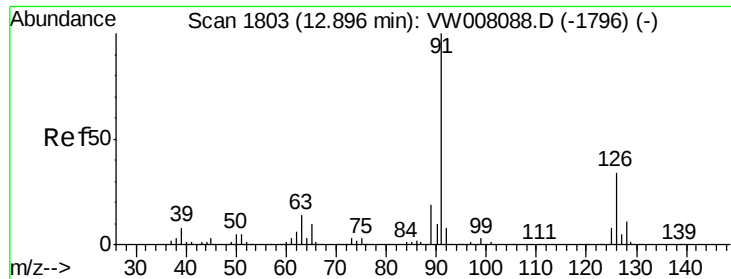
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





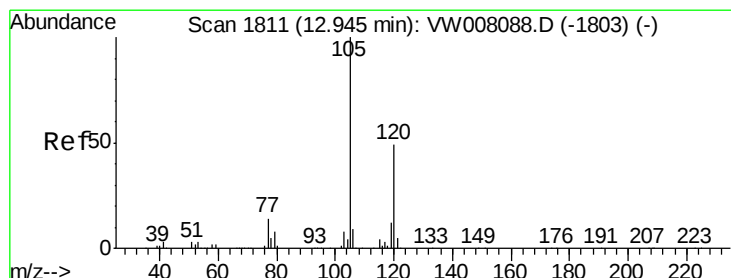
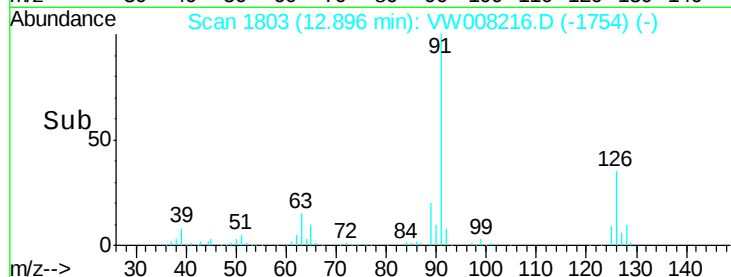
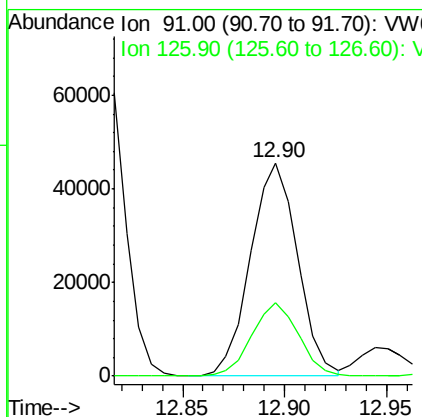
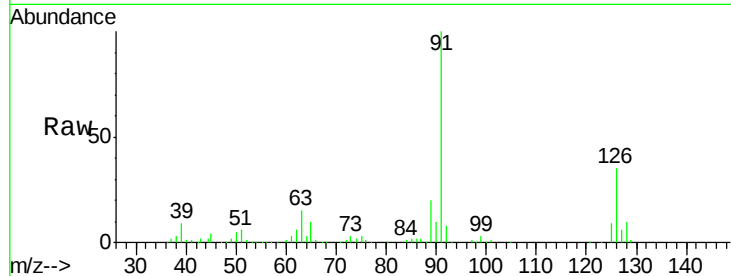
#79
2-Chlorotoluene
Concen: 19.601 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion: 91 Resp: 72982
Ion Ratio Lower Upper
91 100
126 34.4 16.8 50.3

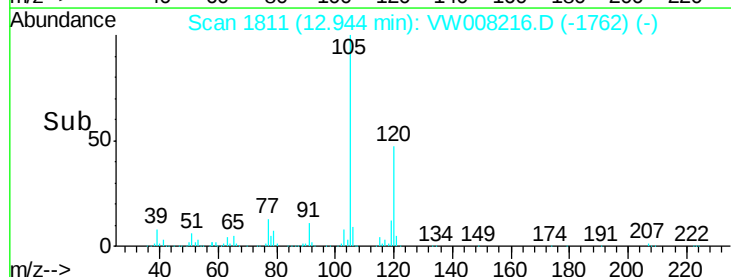
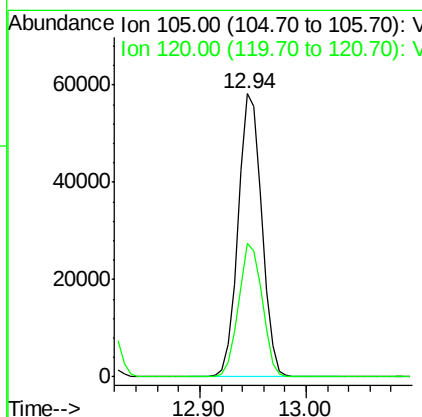
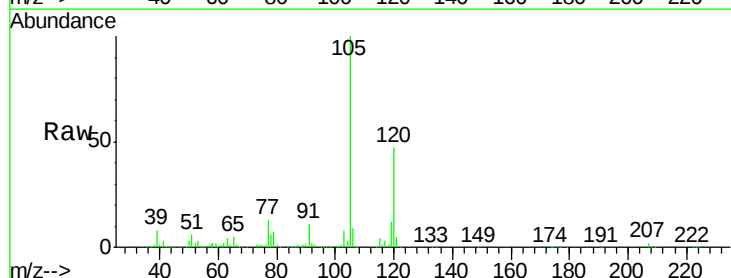
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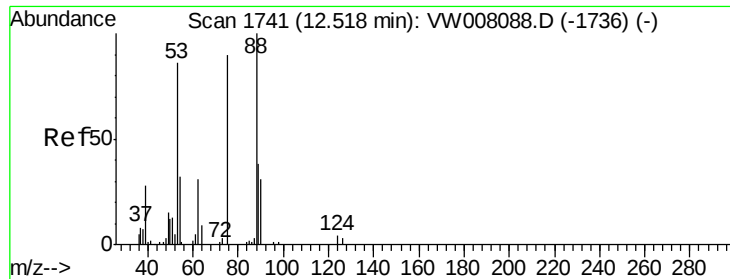
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 20.343 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion: 105 Resp: 91054
Ion Ratio Lower Upper
105 100
120 47.3 24.7 74.1





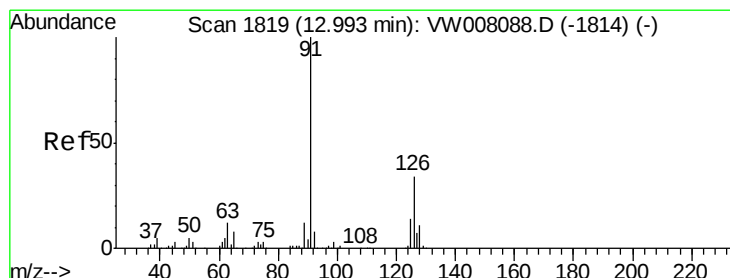
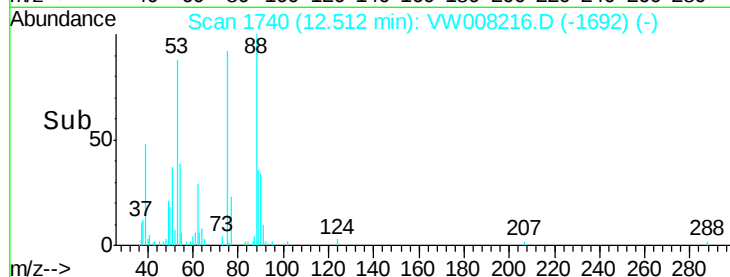
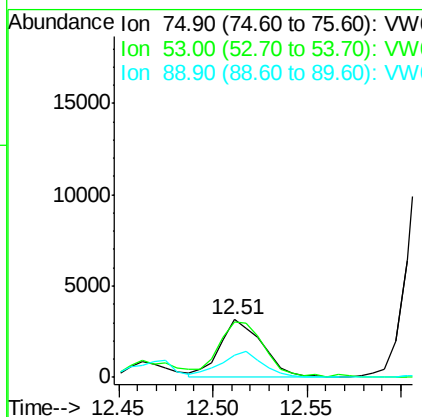
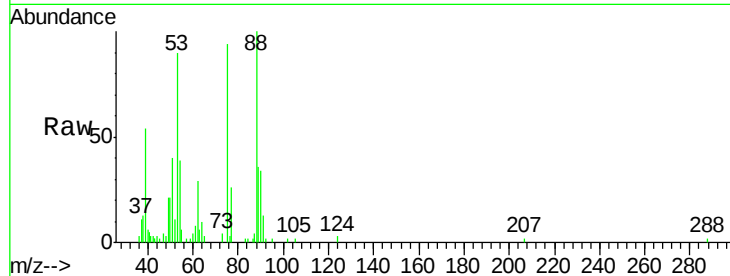
#81
trans-1,4-Dichloro-2-butene
Concen: 18.314 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.3	78.8	118.2
89	43.9	35.4	53.2

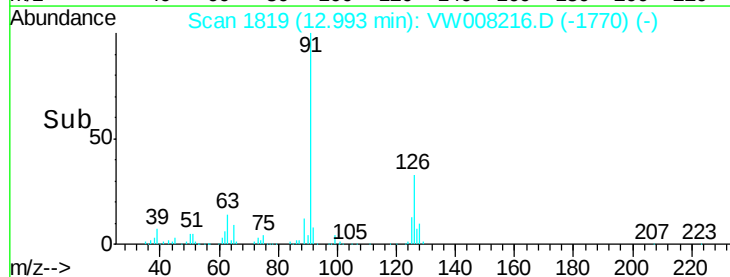
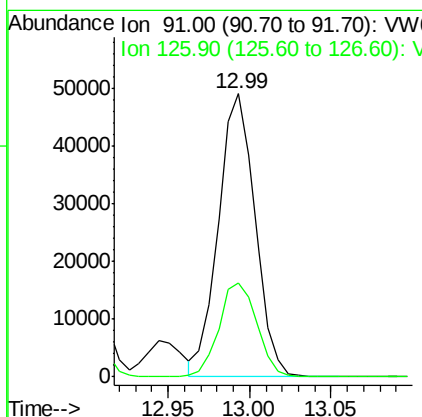
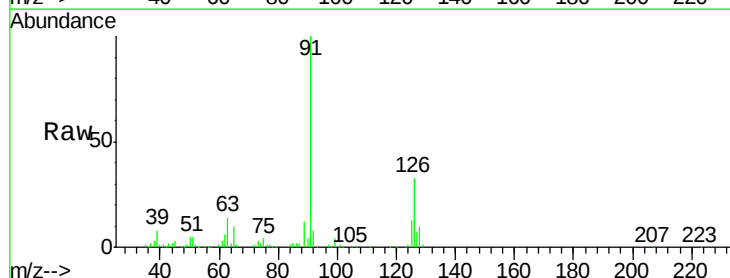
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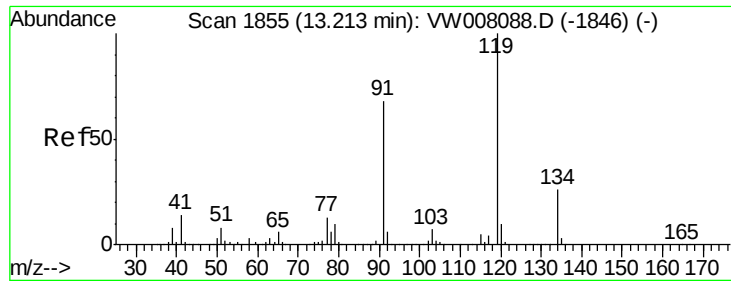
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#82
4-Chlorotoluene
Concen: 19.673 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.5	49.5





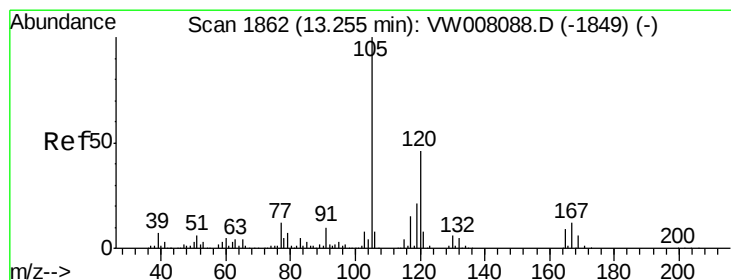
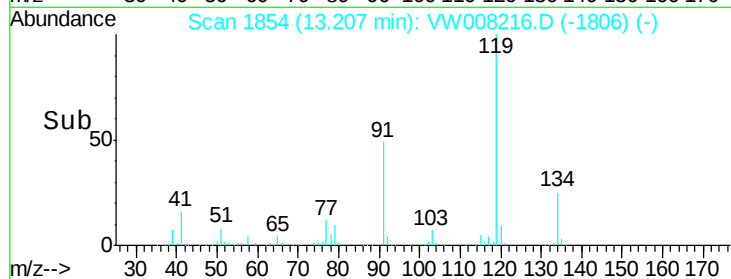
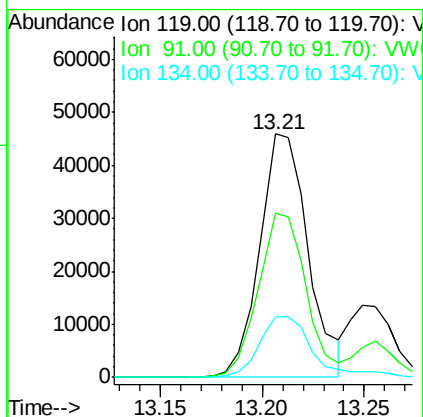
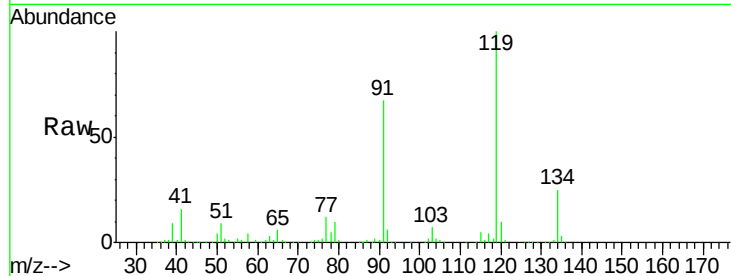
#83
tert-Butylbenzene
Concen: 19.185 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	33.9	101.6
134	27.9	13.6	40.8

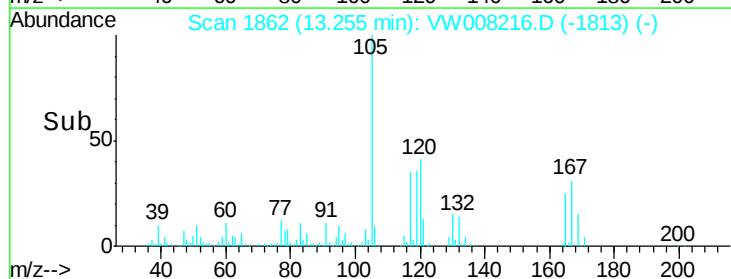
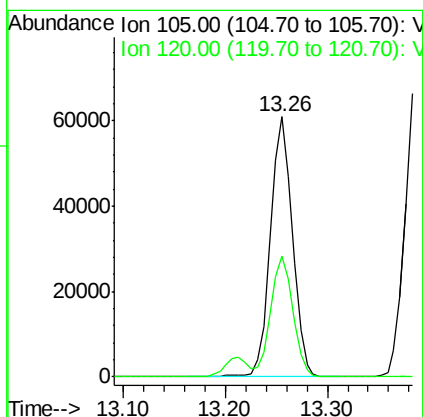
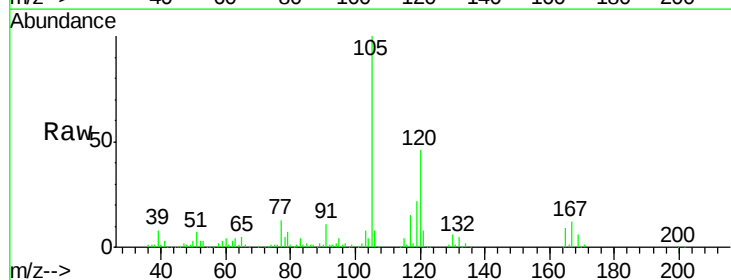
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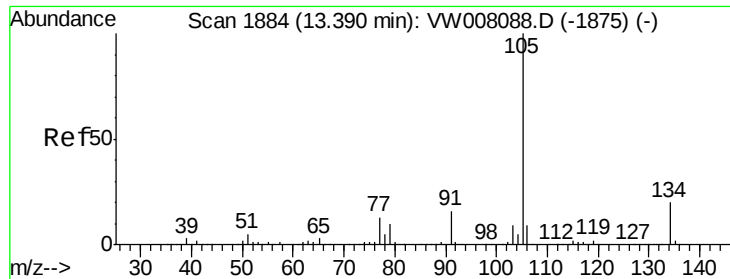
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#84
1,2,4-Trimethylbenzene
Concen: 19.683 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.7	68.1





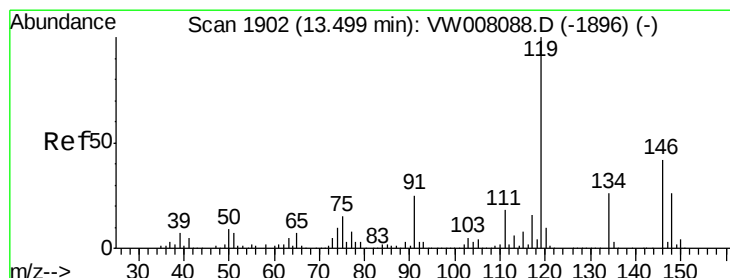
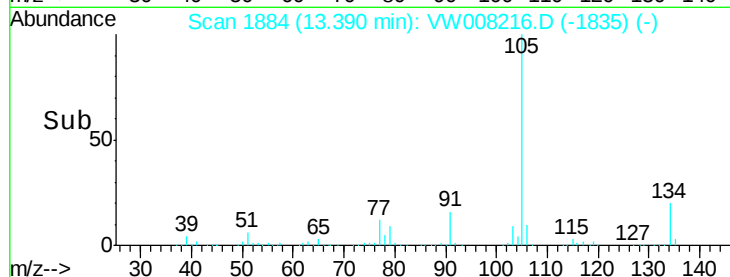
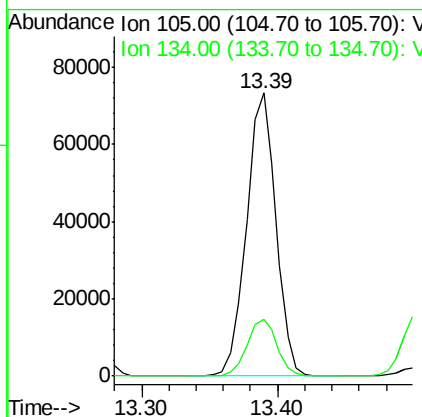
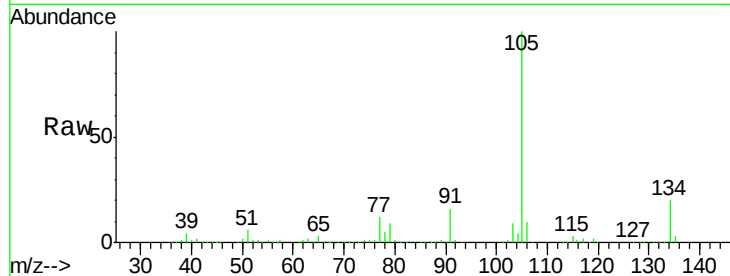
#85
 sec-Butylbenzene
 Concen: 19.117 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBS02

Tot Ion:105 Resp: 110887
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.1

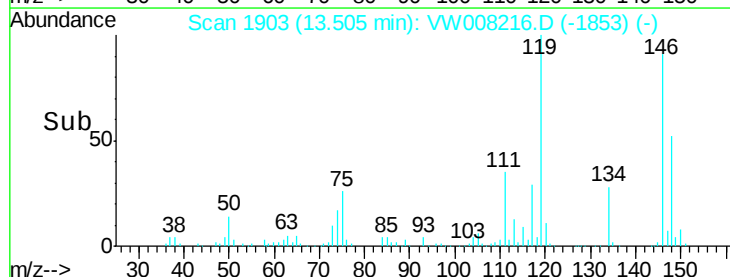
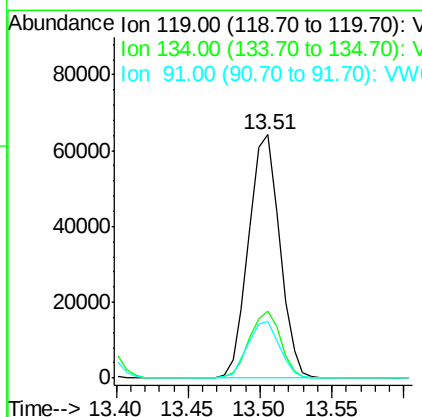
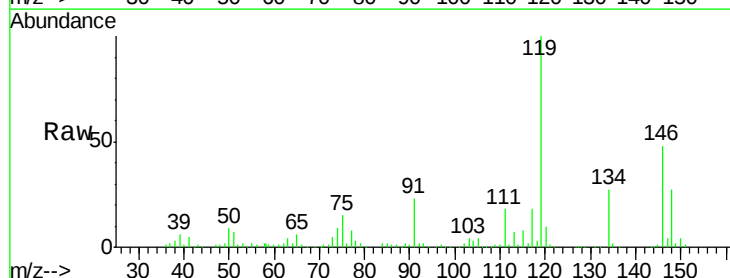
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 19.153 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Tgt Ion:119 Resp: 95936
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.3 39.8
 91 24.1 12.3 36.9





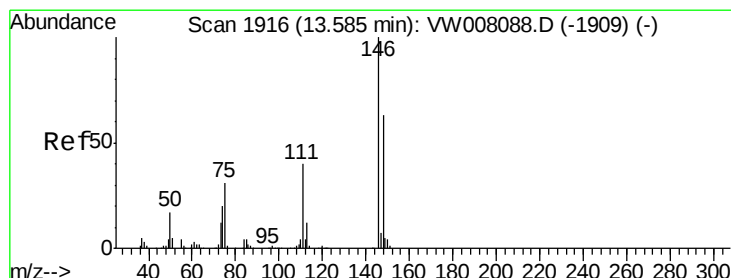
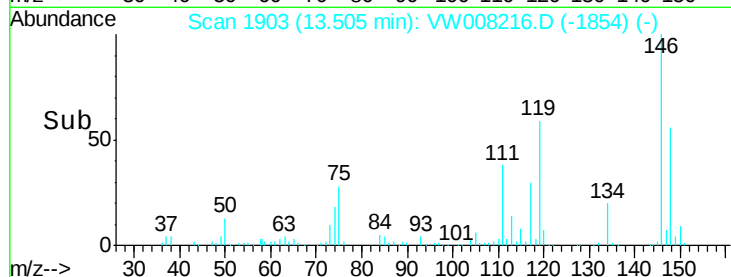
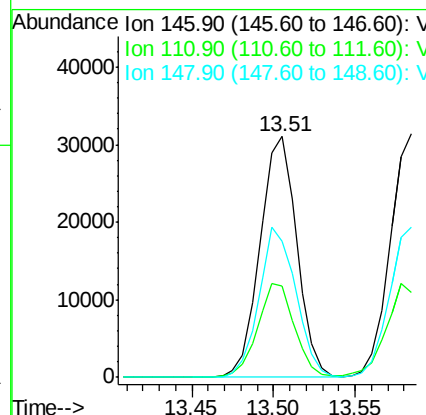
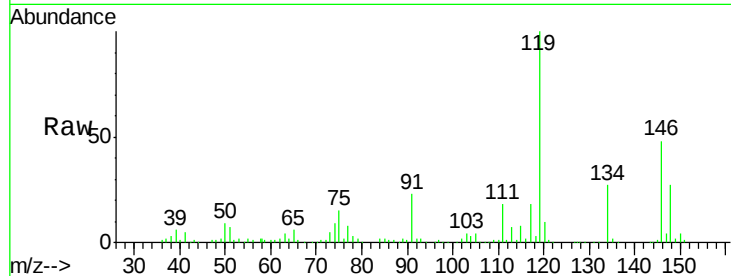
#87
 1,3-Dichlorobenzene
 Concen: 20.898 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.1	63.1
148	62.8	31.3	93.9

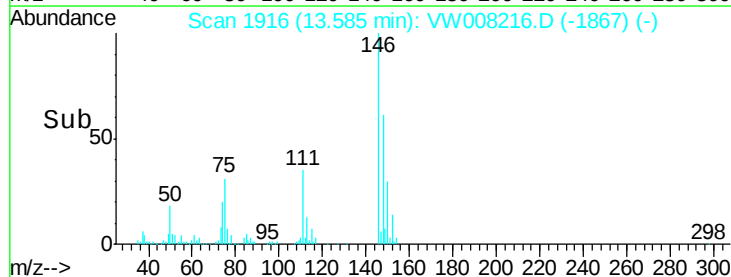
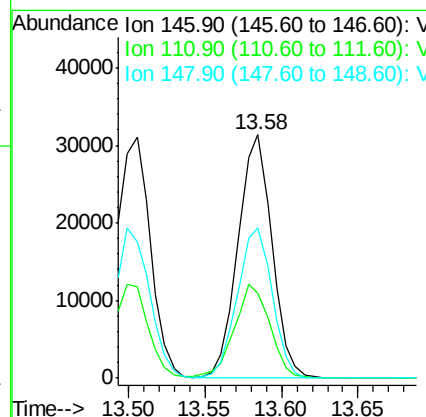
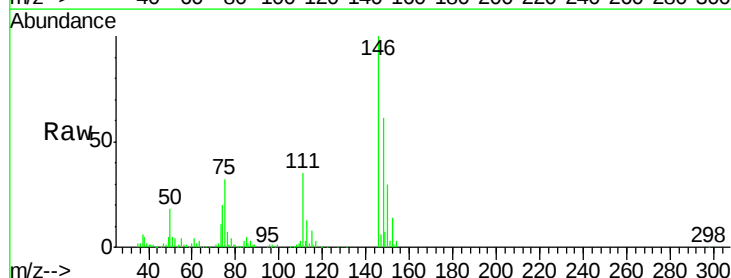
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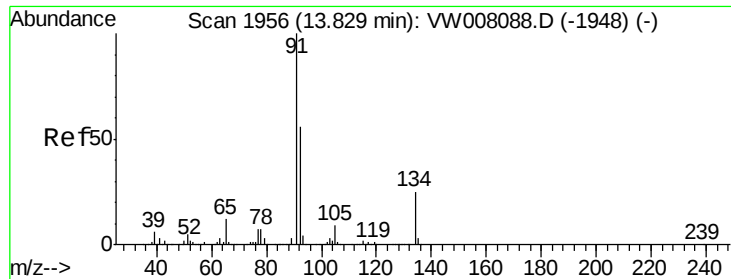
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#88
 1,4-Dichlorobenzene
 Concen: 20.660 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.5
148	63.4	31.6	94.8





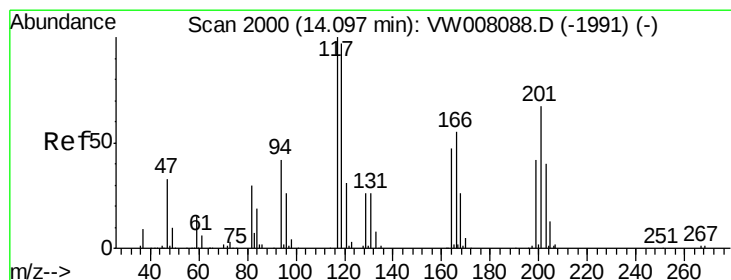
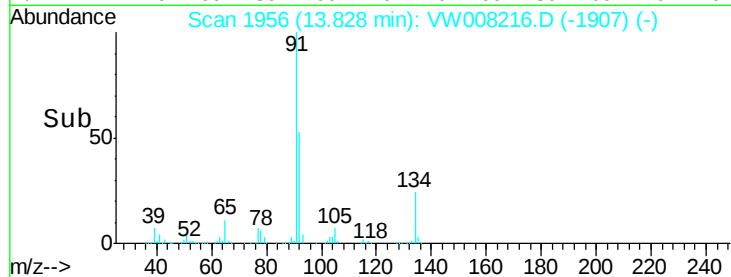
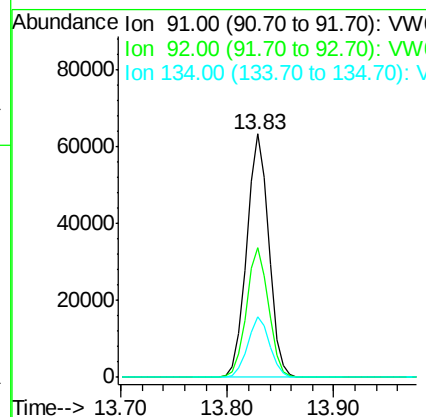
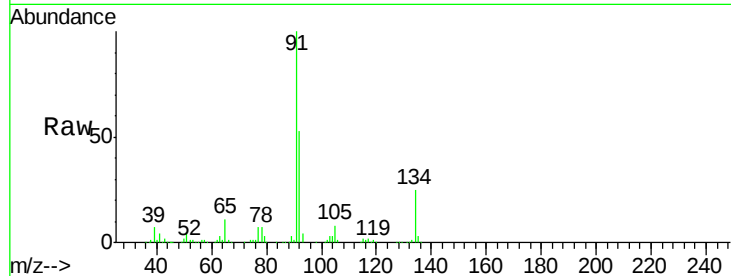
#89
n-Butylbenzene
Concen: 18.831 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.4	82.2
134	24.8	12.6	37.8

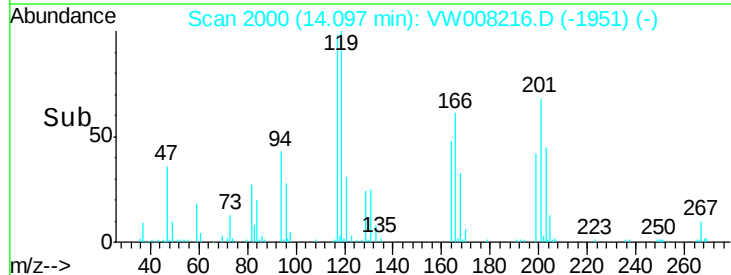
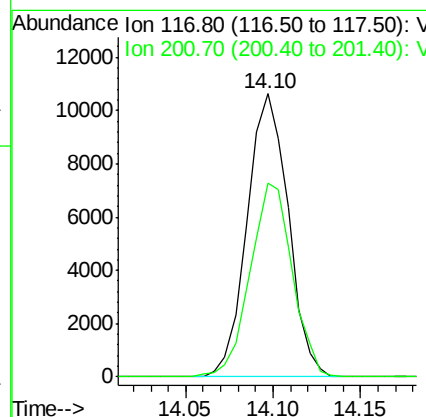
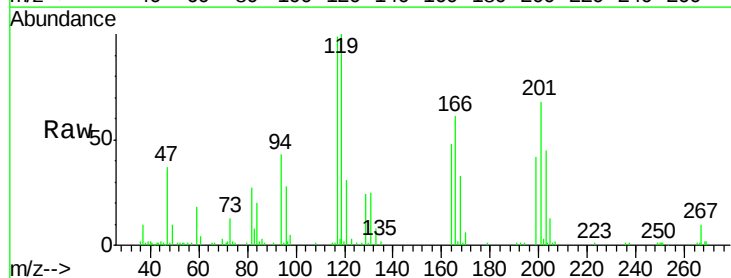
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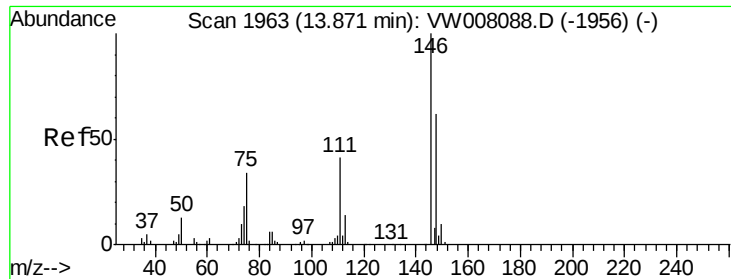
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#90
Hexachloroethane
Concen: 20.618 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	33.0	98.9





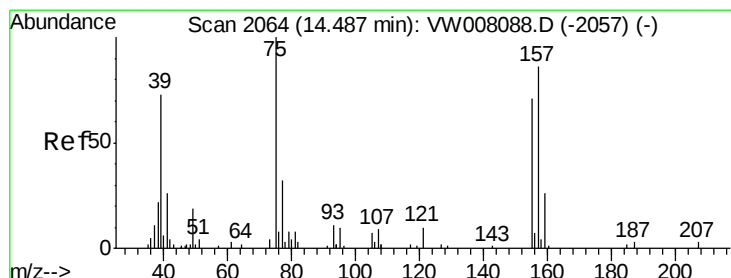
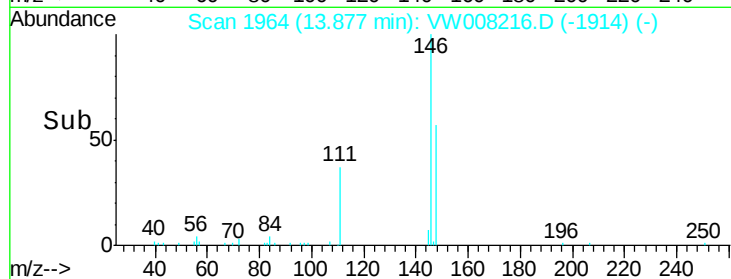
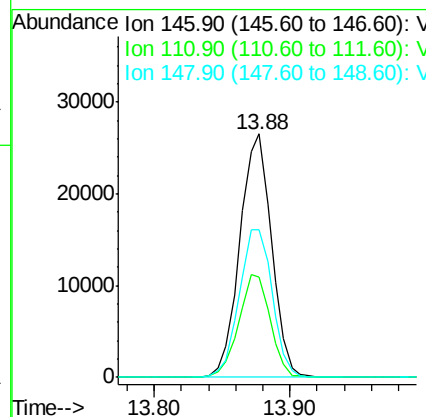
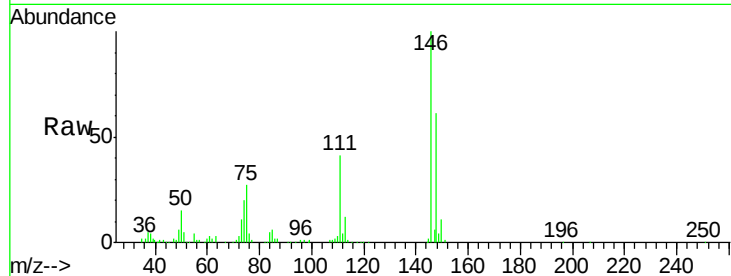
#91
 1,2-Dichlorobenzene
 Concen: 21.071 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.7
148	63.3	31.5	94.5

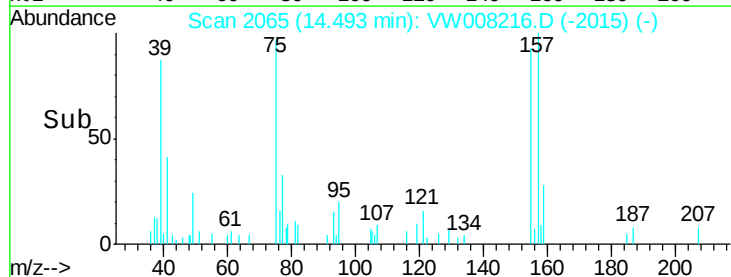
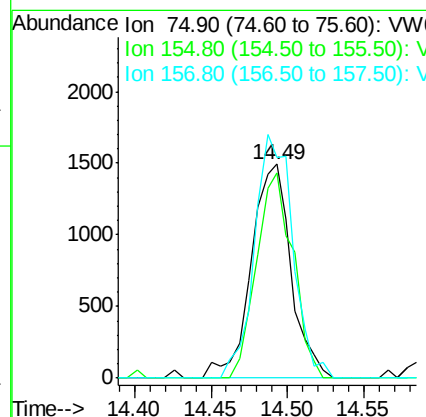
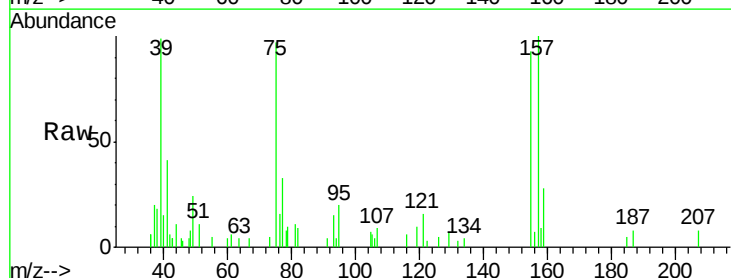
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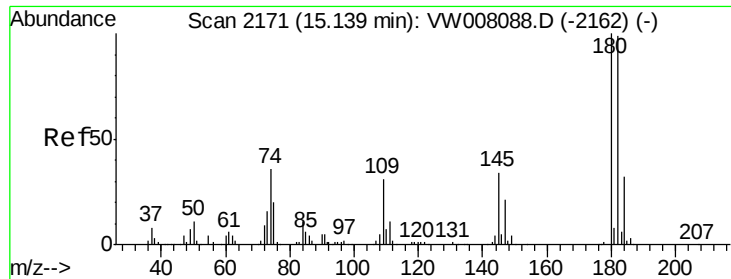
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.329 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	38.6	115.7
157	109.2	47.5	142.6





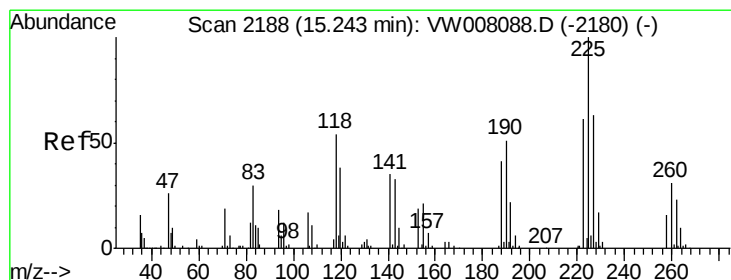
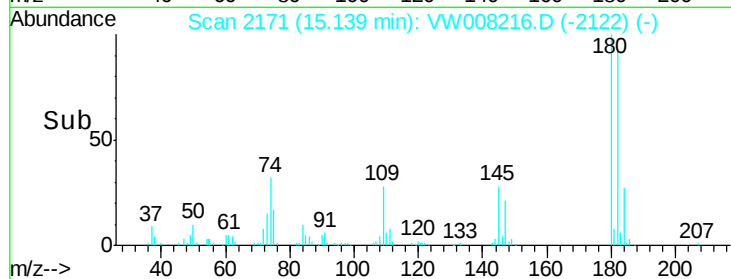
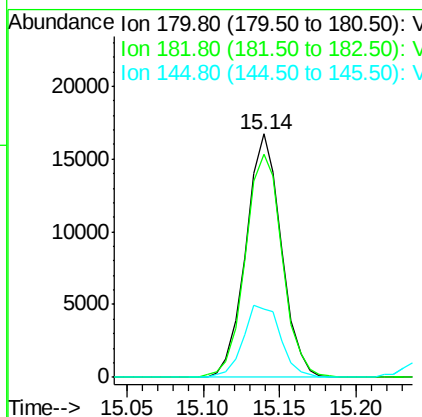
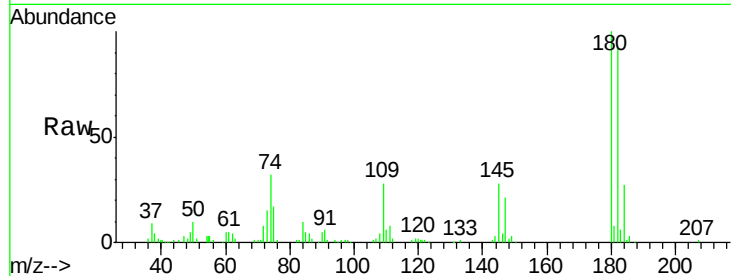
#93
 1,2,4-Trichlorobenzene
 Concen: 19.697 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.6	145.9
145	31.3	16.6	49.7

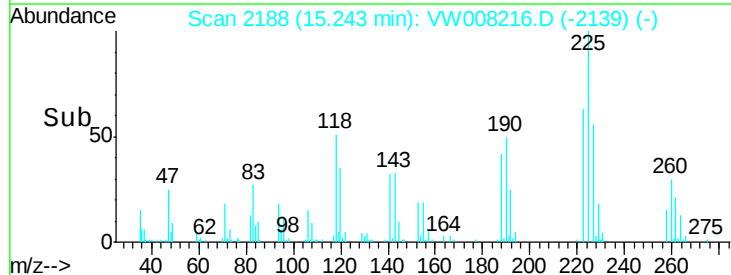
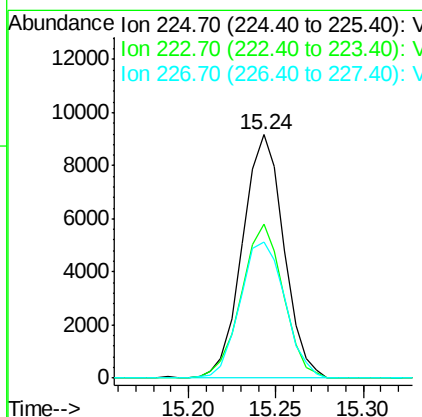
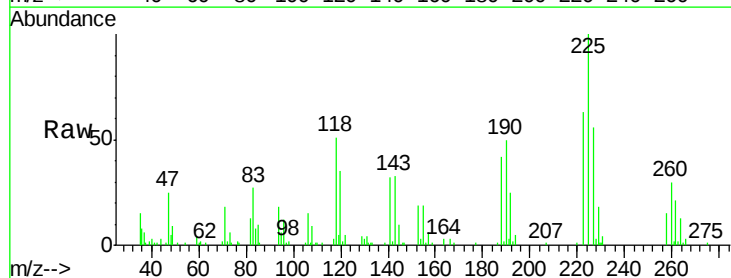
Manual Integrations
 APPROVED

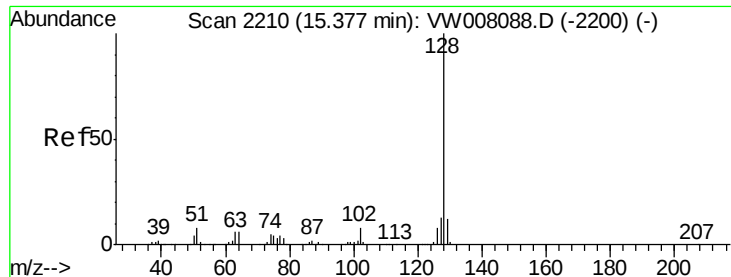
apatel
 1/14/2019 2:42:22 PM



#94
 Hexachlorobutadiene
 Concen: 20.720 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008216.D
 Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.4	94.3
227	60.4	32.0	96.2





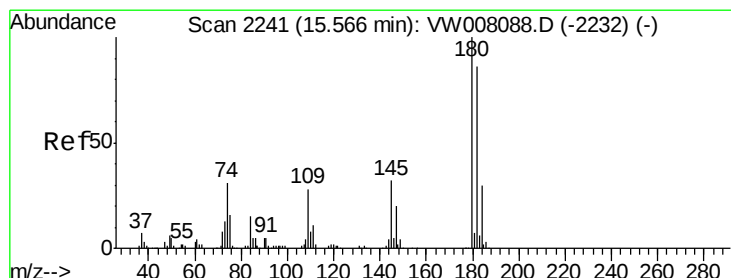
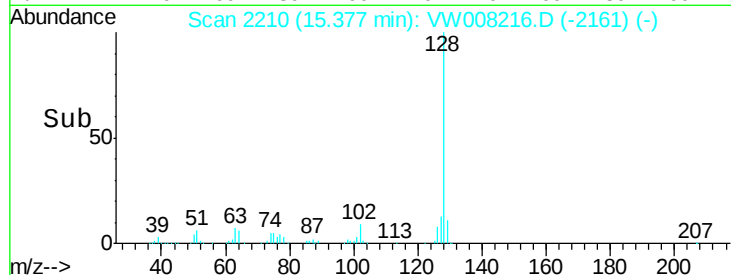
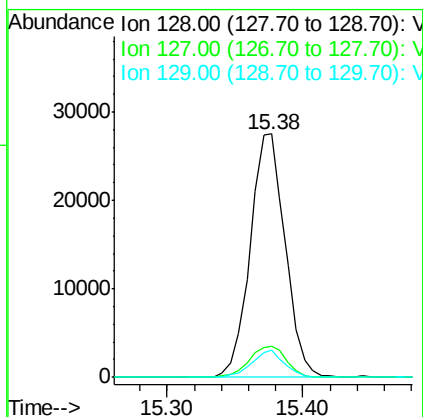
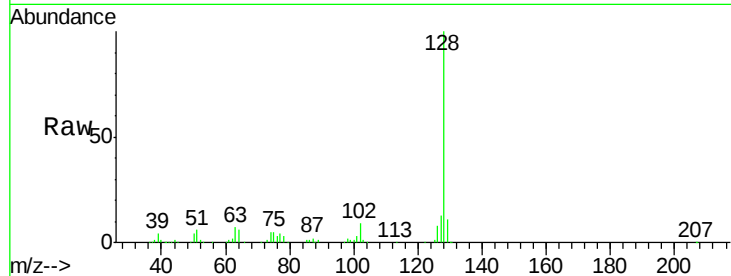
#95
Naphthalene
Concen: 19.502 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.4
129	10.5	9.0	13.6

Manual Integrations
APPROVED

apatel
1/14/2019 2:42:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.198 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008216.D
Acq: 12 Jan 2019 03:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.5	139.3
145	33.7	17.4	52.2

