

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008771.D
 Acq On : 21 Feb 2019 15:55
 Operator : SY/VA
 Sample : VW0221SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:25:46 PM

Quant Time: Feb 22 00:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	494265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	463830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	251578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	167569	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
35) Dibromofluoromethane	7.88	113	157298	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	10.32	98	589159	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.62	95	220422	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	66097	19.581	ug/l	99
3) Chloromethane	2.21	50	84233	20.499	ug/l	97
4) Vinyl Chloride	2.36	62	84353	19.389	ug/l	98
5) Bromomethane	2.76	94	73700	22.808	ug/l	100
6) Chloroethane	2.91	64	59226	19.171	ug/l	95
7) Trichlorofluoromethane	3.26	101	120163	21.839	ug/l	94
8) Diethyl Ether	3.68	74	37291	21.407	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70806	21.191	ug/l	99
10) Methyl Iodide	4.27	142	88133	21.093	ug/l	100
11) Tert butyl alcohol	5.19	59	25412	90.300	ug/l	98
12) 1,1-Dichloroethene	4.03	96	63647	21.569	ug/l	96
13) Acrolein	3.89	56	24532	95.887	ug/l	96
14) Allyl chloride	4.67	41	111508	21.894	ug/l	99
15) Acrylonitrile	5.37	53	75957	101.600	ug/l	99
16) Acetone	4.13	43	76024	103.759	ug/l	96
17) Carbon Disulfide	4.37	76	197477	20.170	ug/l	99
18) Methyl Acetate	4.68	43	34308	19.741	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	173023	21.663	ug/l	94
20) Methylene Chloride	4.91	84	93392	23.129	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	72722	21.305	ug/l	95
22) Diisopropyl ether	6.31	45	219835	21.638	ug/l	98
23) Vinyl Acetate	6.26	43	687133	109.465	ug/l	99
24) 1,1-Dichloroethane	6.21	63	128702	21.861	ug/l	98
25) 2-Butanone	7.18	43	103774	101.306	ug/l	94
26) 2,2-Dichloropropane	7.17	77	114879	21.493	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	79485	21.769	ug/l	99
28) Bromochloromethane	7.51	49	50746	20.598	ug/l	98
29) Tetrahydrofuran	7.53	42	65299	100.029	ug/l	99
30) Chloroform	7.67	83	132219	21.892	ug/l	95
31) Cyclohexane	7.95	56	129350	21.706	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	119663	21.787	ug/l	100
36) 1,1-Dichloropropene	8.09	75	104733	21.768	ug/l	98
37) Ethyl Acetate	7.25	43	46695	20.870	ug/l	98
38) Carbon Tetrachloride	8.07	117	107952	21.275	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	126052	21.004	ug/l	100
40) Benzene	8.32	78	287433	21.880	ug/l	99
41) Methacrylonitrile	7.48	41	26702	20.303	ug/l	96
42) 1,2-Dichloroethane	8.40	62	87006	20.908	ug/l	98
43) Isopropyl Acetate	8.42	43	89975	20.149	ug/l	99
44) Trichloroethene	9.09	130	80595	21.779	ug/l	97
45) 1,2-Dichloropropane	9.37	63	70359	21.674	ug/l	98
46) Dibromomethane	9.46	93	38249	21.183	ug/l	98
47) Bromodichloromethane	9.64	83	94334	21.473	ug/l	95
48) Methyl methacrylate	9.43	41	39323	18.387	ug/l	93
49) 1,4-Dioxane	9.46	88	11215	387.846	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	219962	97.025	ug/l	100
52) Toluene	10.38	92	184128	20.653	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	93960	20.983	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	112740	22.075	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	51701	21.113	ug/l	97
56) Ethyl methacrylate	10.65	69	62041	19.501	ug/l	99
57) 1,3-Dichloropropane	10.93	76	91975	21.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	177875	111.164	ug/l	99
59) 2-Hexanone	10.97	43	152490	94.491	ug/l	99
60) Dibromochloromethane	11.13	129	63597	21.292	ug/l	99
61) 1,2-Dibromoethane	11.24	107	51533	21.260	ug/l	97
64) Tetrachloroethene	10.86	164	70194	21.142	ug/l	99
65) Chlorobenzene	11.66	112	203680	20.884	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	70825	21.477	ug/l	98
67) Ethyl Benzene	11.73	91	363350	20.840	ug/l	99
68) m/p-Xylenes	11.84	106	290951	41.766	ug/l	97
69) o-Xylene	12.17	106	136135	20.820	ug/l	99
70) Styrene	12.18	104	216458	20.577	ug/l	99
71) Bromoform	12.35	173	36541	20.614	ug/l #	100
73) Isopropylbenzene	12.46	105	365933	21.218	ug/l	98
74) N-amyl acetate	12.27	43	81052	18.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	58230	20.663	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41743m	20.097	ug/l	
77) Bromobenzene	12.75	156	87998	21.592	ug/l	97
78) n-propylbenzene	12.80	91	449074	21.286	ug/l	98
79) 2-Chlorotoluene	12.89	91	253200	21.139	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	310063	20.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16938	19.824	ug/l	97
82) 4-Chlorotoluene	12.99	91	265885	21.065	ug/l	100
83) tert-Butylbenzene	13.21	119	270798	20.896	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	318034	20.499	ug/l	99
85) sec-Butylbenzene	13.38	105	387971	20.820	ug/l	100
86) p-Isopropyltoluene	13.50	119	350328	20.508	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	175466	20.751	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	174173	20.899	ug/l	99
89) n-Butylbenzene	13.83	91	326267	20.387	ug/l	99
90) Hexachloroethane	14.10	117	57839	20.683	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	157040	20.843	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9685	18.999	ug/l	97

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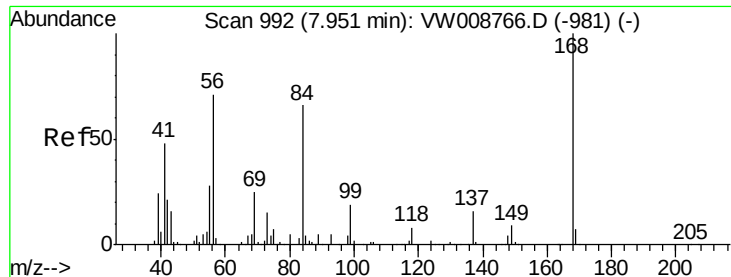
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	110420	20.340	ug/l	100
94) Hexachlorobutadiene	15.24	225	65306	20.423	ug/l	100
95) Naphthalene	15.37	128	180505	19.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	93858	19.996	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. -0.01 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion:168 Resp: 337029

Ion Ratio Lower Upper

168 100

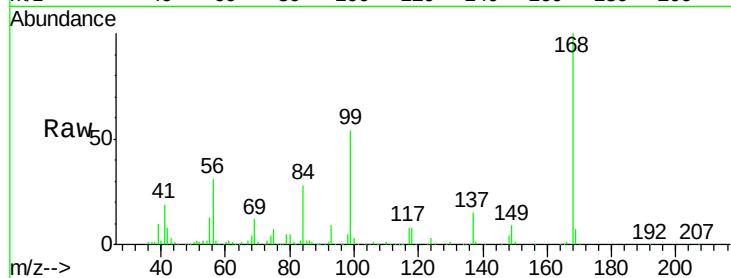
99 53.9 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

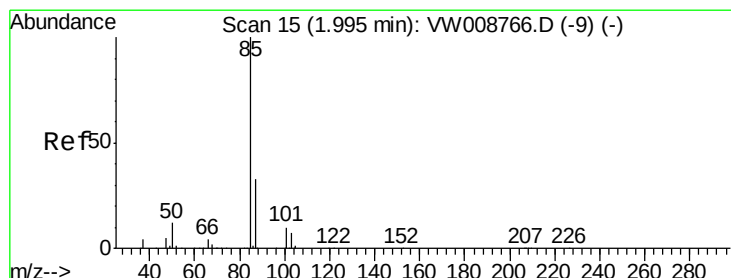
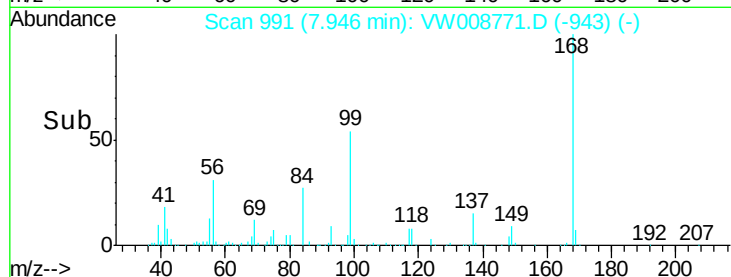
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.581 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008771.D

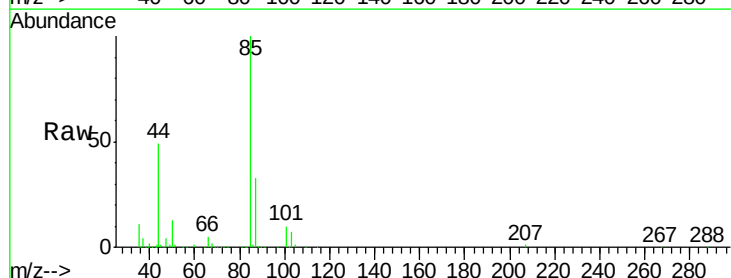
Acq: 21 Feb 2019 15:55

Tgt Ion: 85 Resp: 66097

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

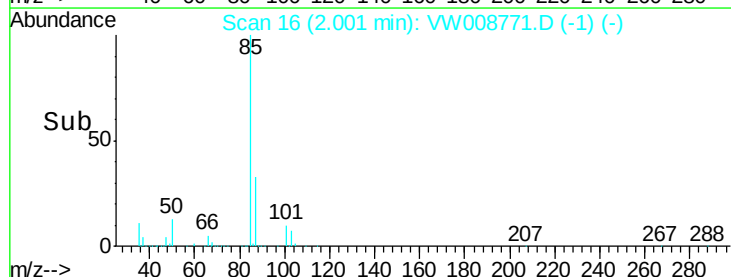
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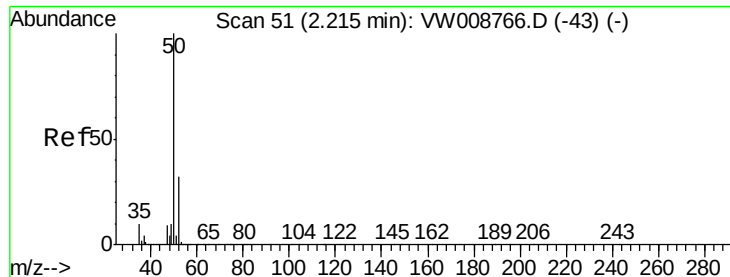
20000

10000

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Time-->





#3

Chloromethane

Concen: 20.499 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 50 Resp: 84233

Ion Ratio Lower Upper

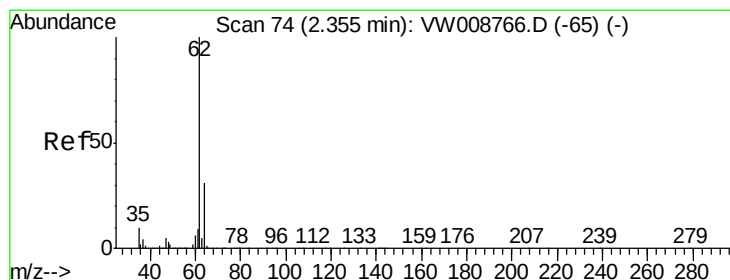
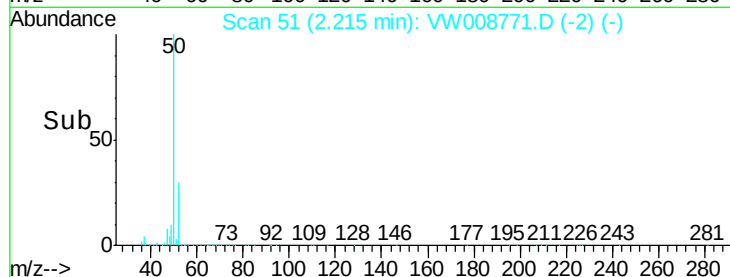
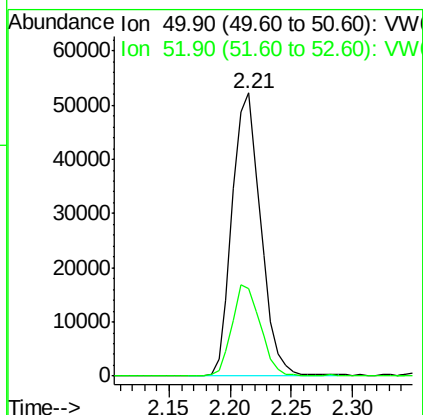
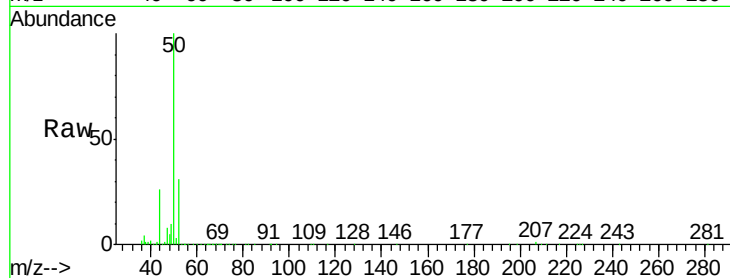
50 100

52 30.8 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.389 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008771.D

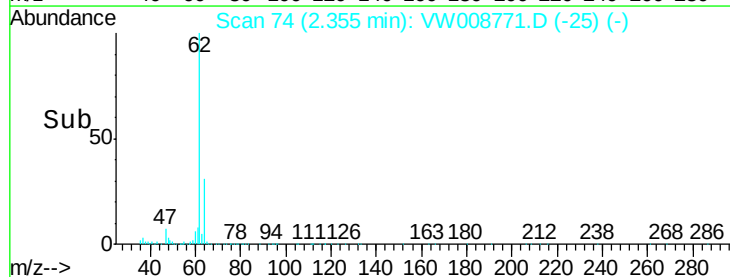
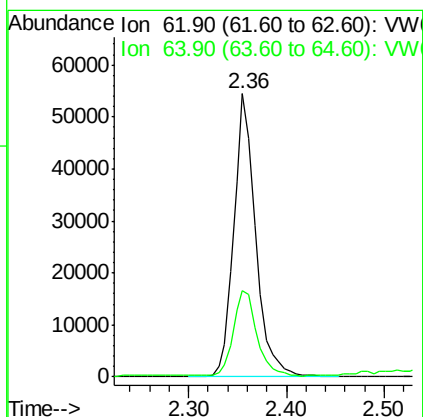
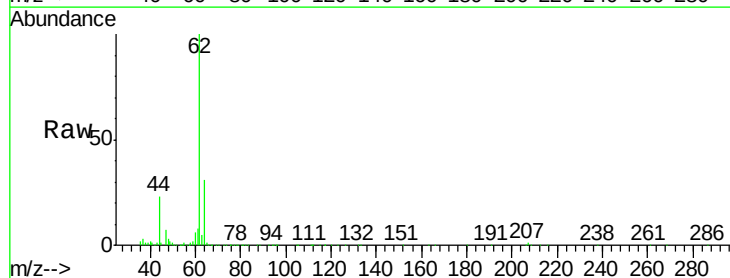
Acq: 21 Feb 2019 15:55

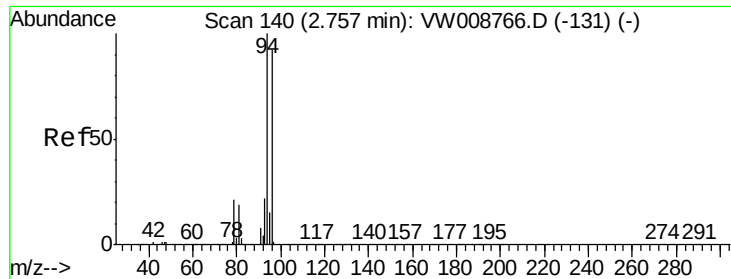
Tgt Ion: 62 Resp: 84353

Ion Ratio Lower Upper

62 100

64 30.1 24.9 37.3





#5

Bromomethane

Concen: 22.808 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 94 Resp: 73700

Ion Ratio Lower Upper

94 100

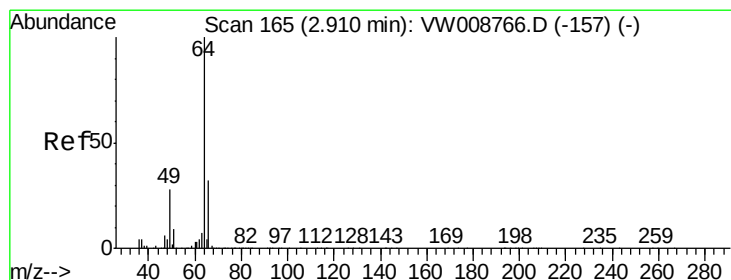
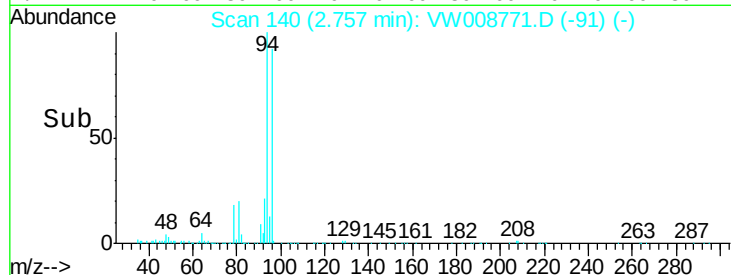
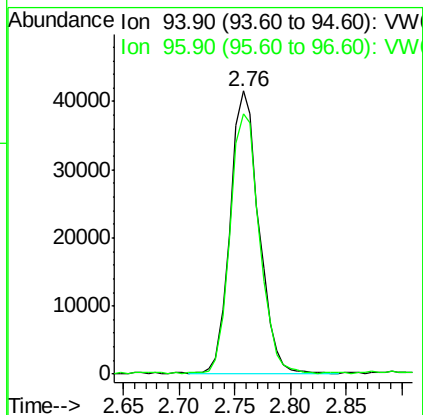
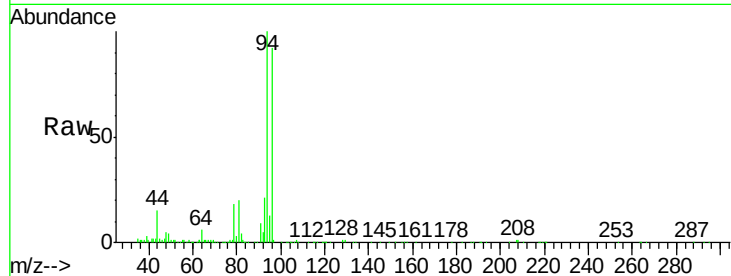
96 91.5 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 19.171 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008771.D

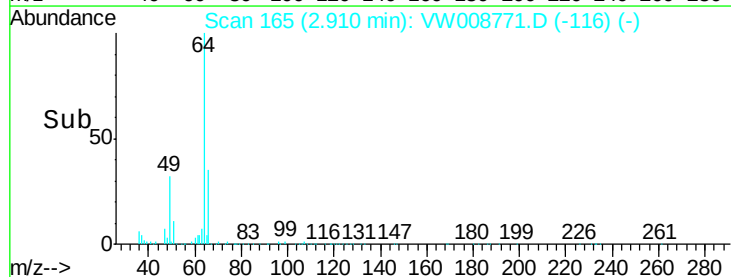
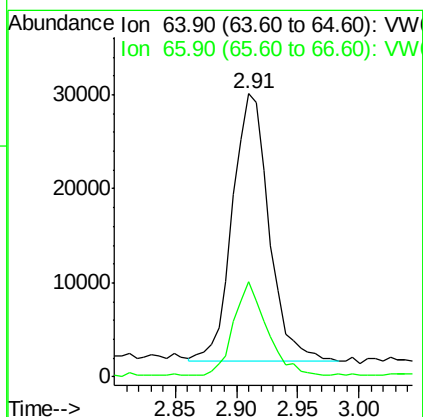
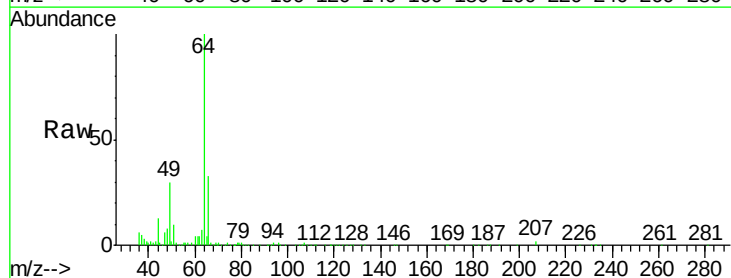
Acq: 21 Feb 2019 15:55

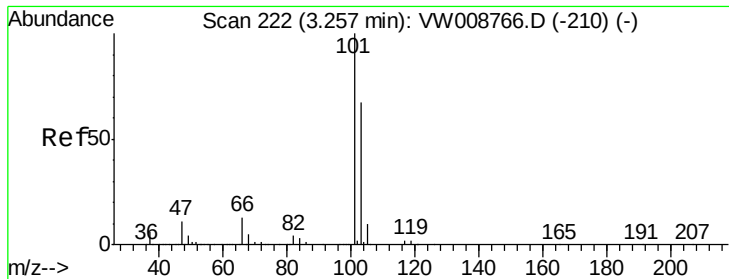
Tgt Ion: 64 Resp: 59226

Ion Ratio Lower Upper

64 100

66 34.8 25.5 38.3





#7

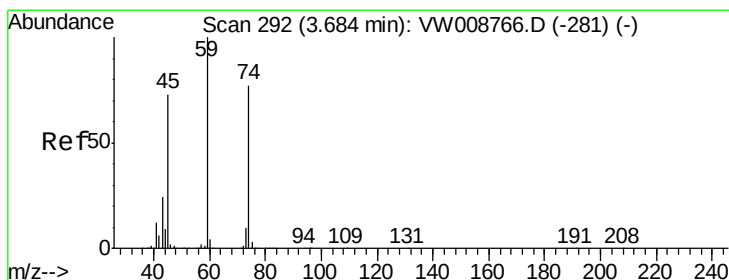
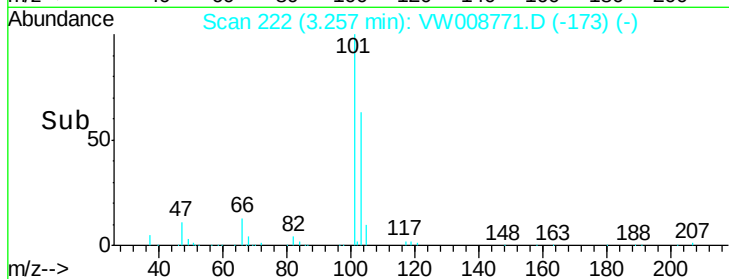
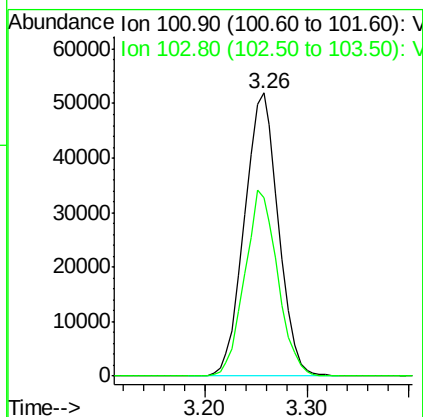
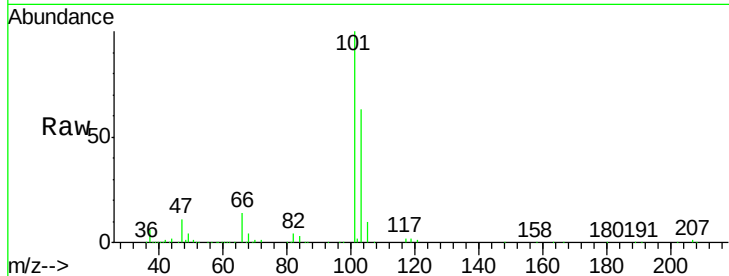
Trichlorofluoromethane
 Concen: 21.839 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Instrument :
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 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	53.9	80.9

Manual Integrations
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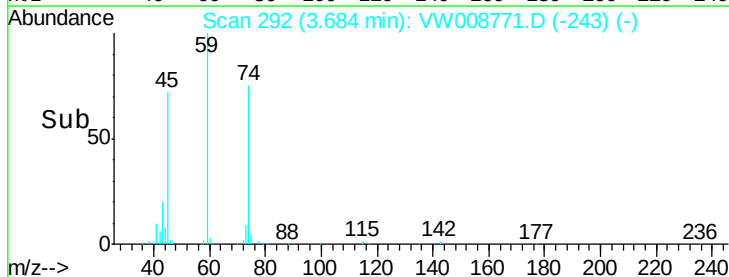
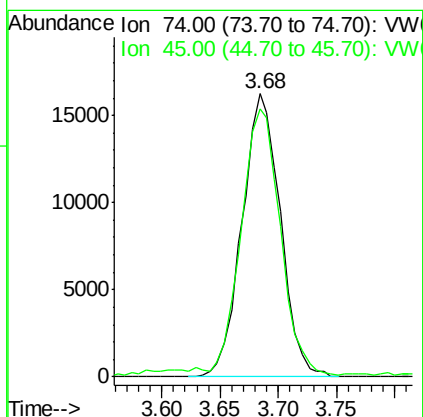
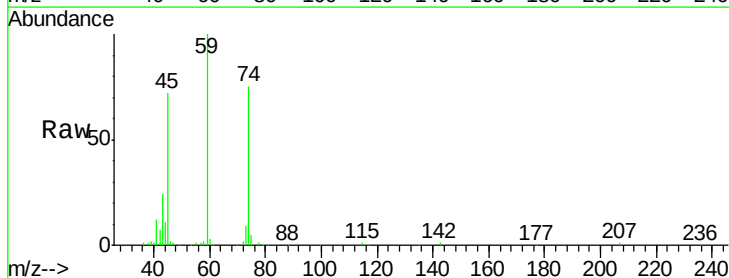
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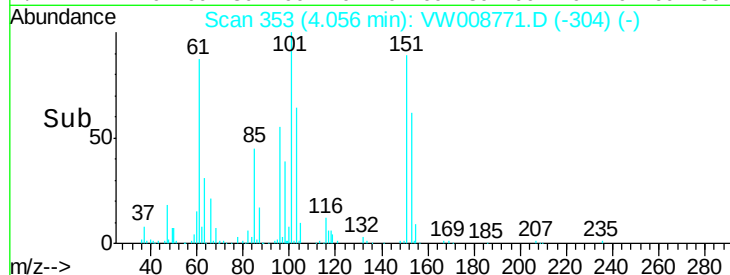
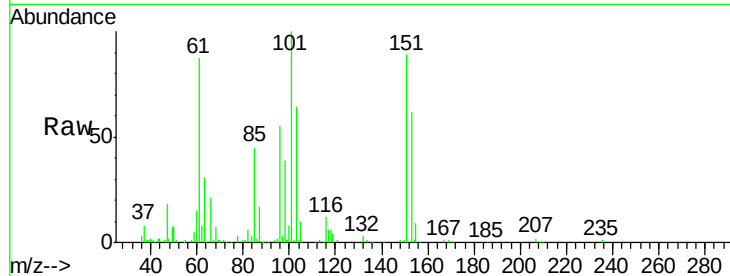
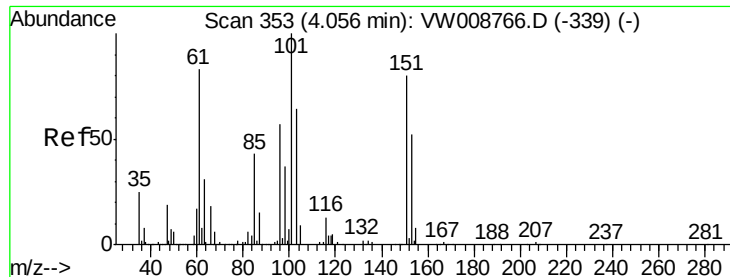


#8

Diethyl Ether
 Concen: 21.407 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.191 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

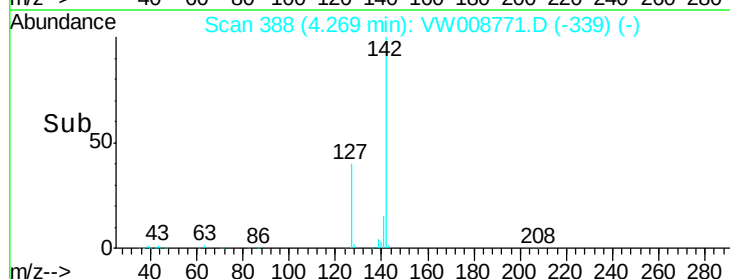
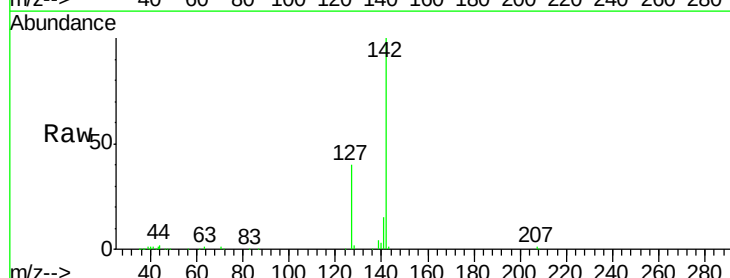
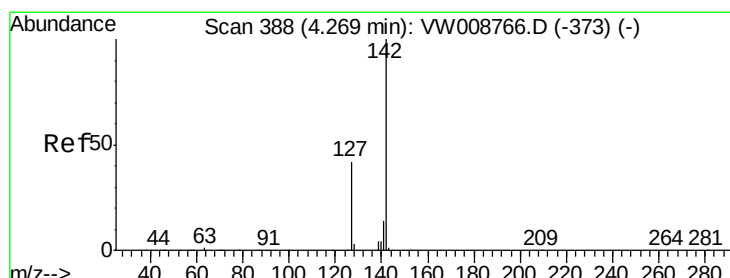
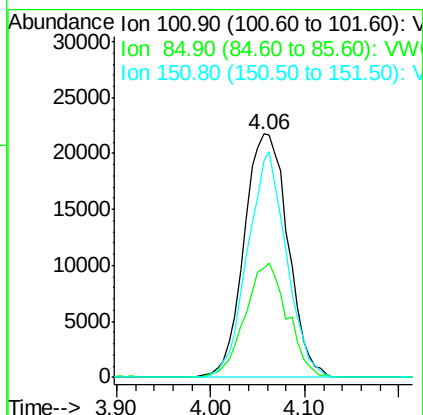
ClientSampleId :

VW0221SBS01

Tot Ion:	101	Resp:	70806
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.0	54.0
151	82.6	65.5	98.3

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#10

Methyl Iodide

Concen: 21.093 ug/l

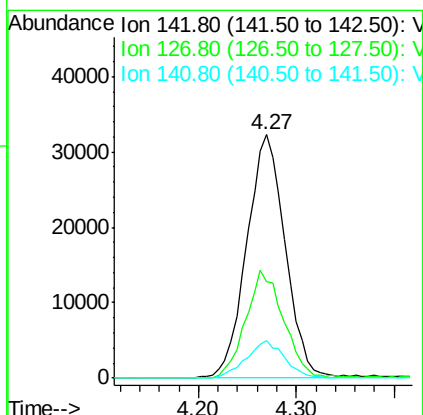
RT: 4.27 min Scan# 388

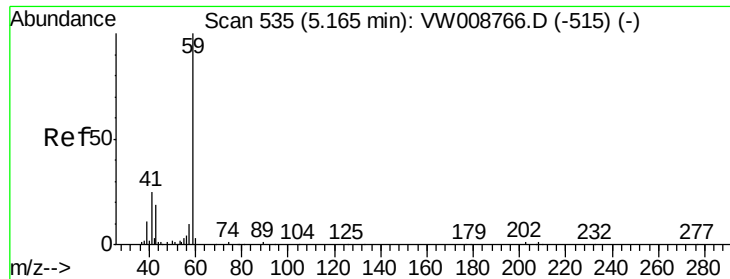
Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Tgt Ion:	142	Resp:	88133
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.3	52.9
141	15.2	11.7	17.5





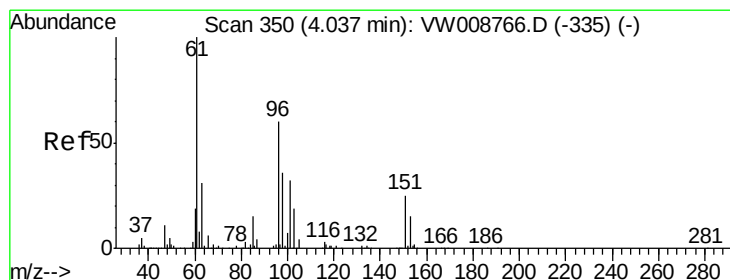
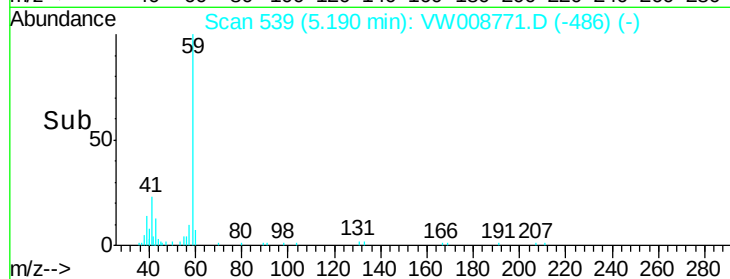
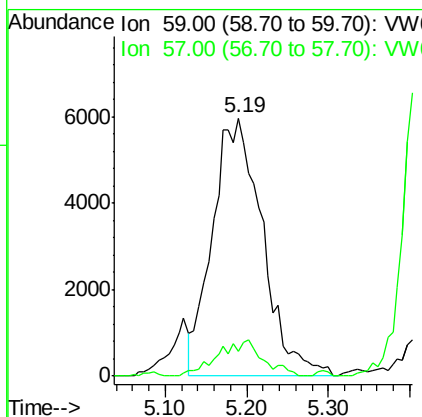
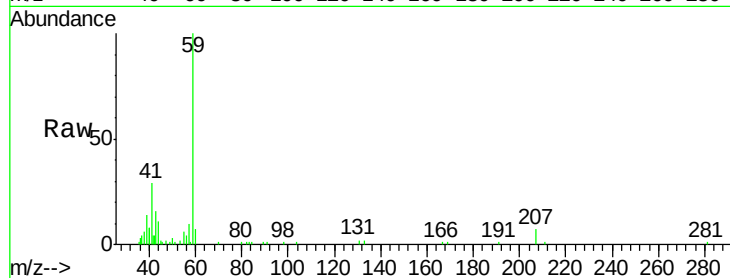
#11
Tert butyl alcohol
Concen: 90.300 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.5	9.3	13.9

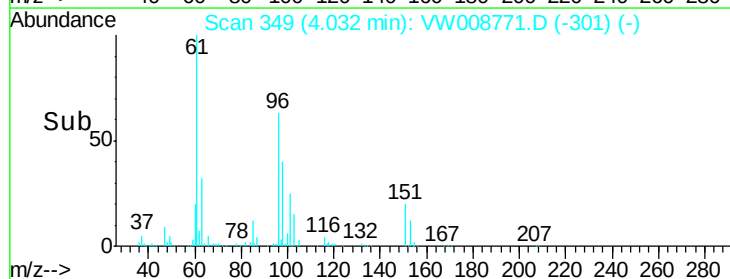
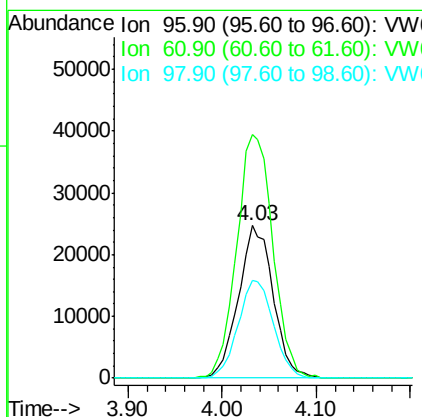
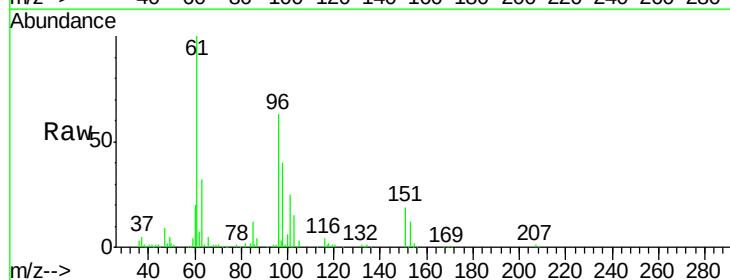
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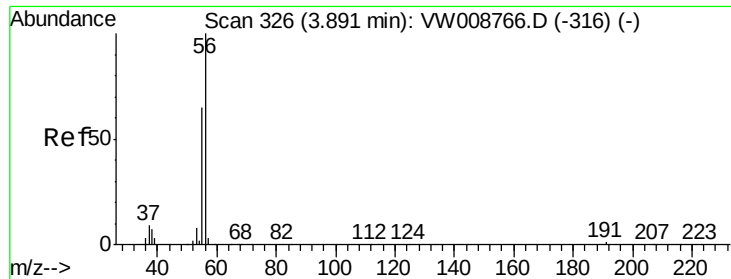
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.569 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	132.5	198.7
98	63.9	48.2	72.4





#13

Acrolein

Concen: 95.887 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 56 Resp: 24532

Ion Ratio Lower Upper

56 100

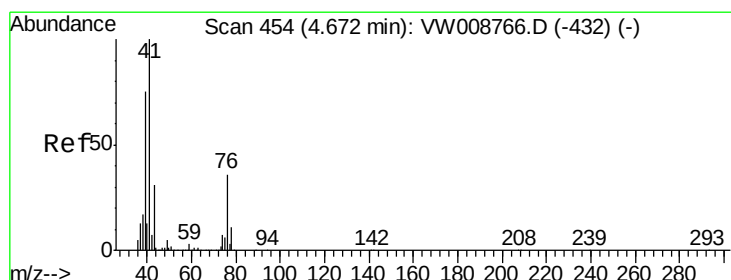
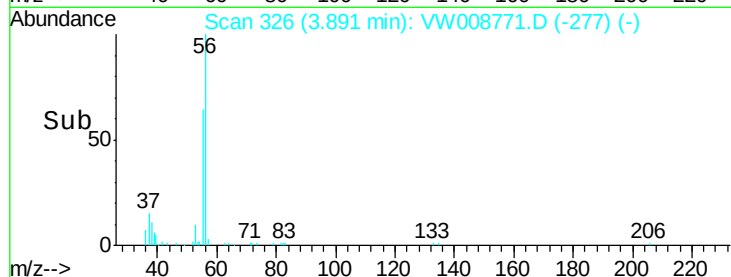
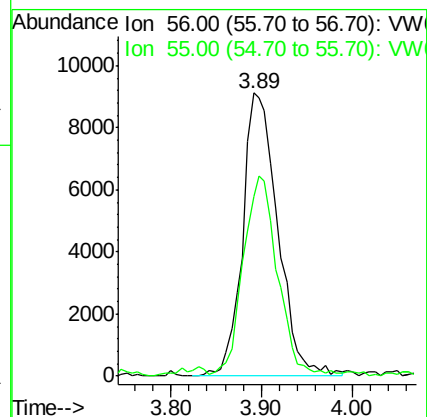
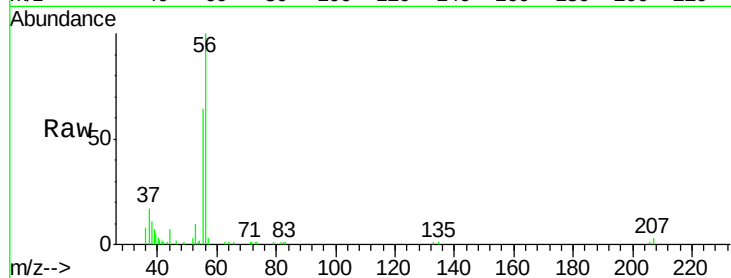
55 67.9 56.9 85.3

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#14

Allyl chloride

Concen: 21.894 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

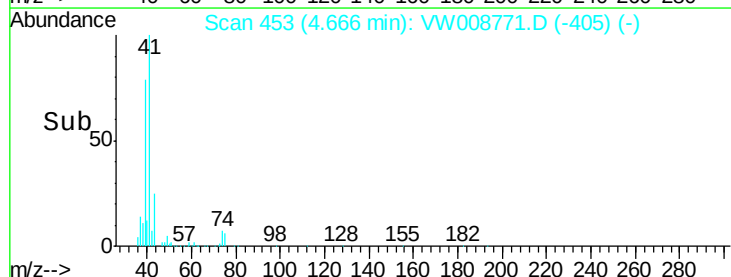
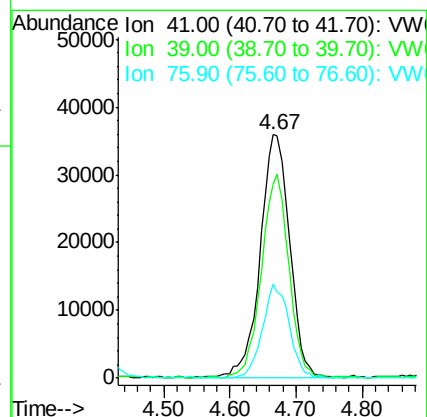
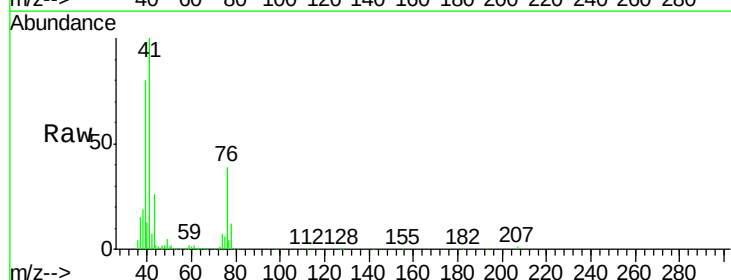
Tgt Ion: 41 Resp: 111508

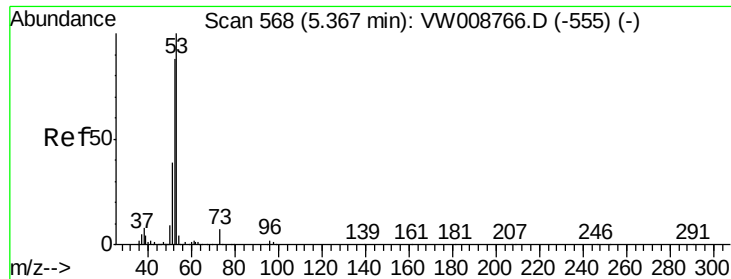
Ion Ratio Lower Upper

41 100

39 76.7 60.6 91.0

76 35.1 28.6 42.8





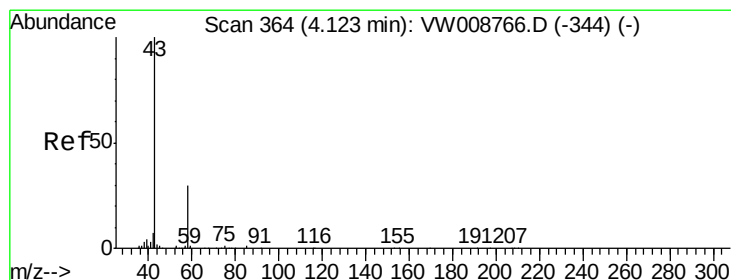
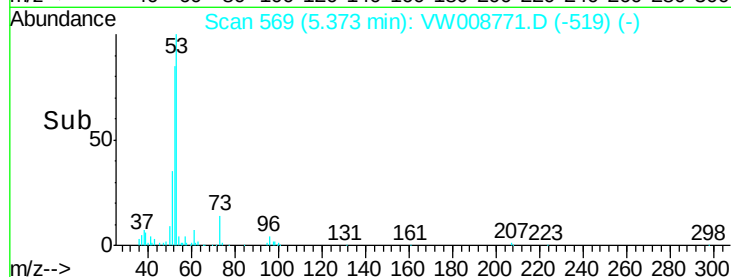
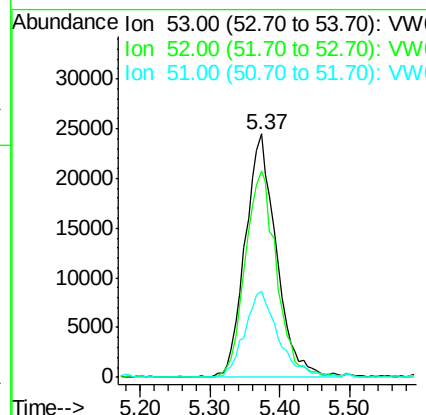
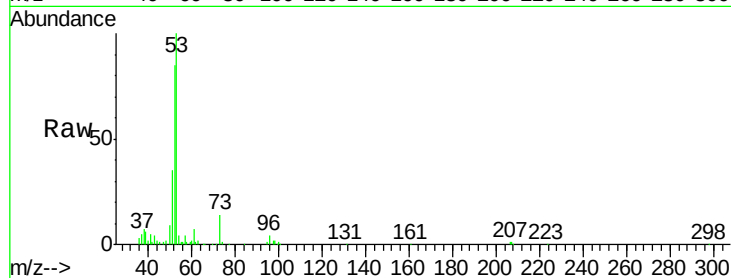
#15
 Acrylonitrile
 Concen: 101.600 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion:	53	Resp:	75957
Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.2	100.8
51	38.2	31.1	46.7

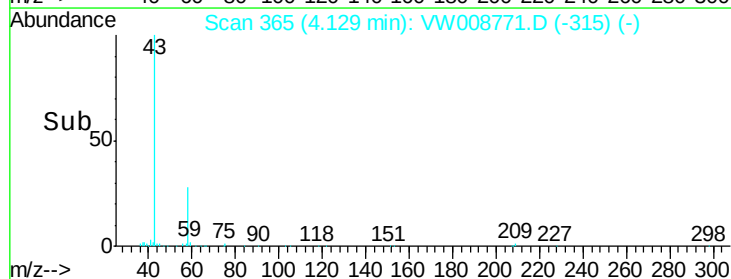
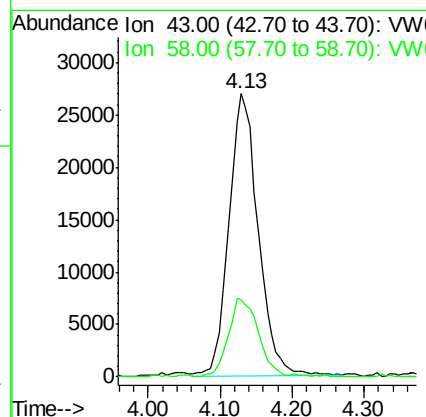
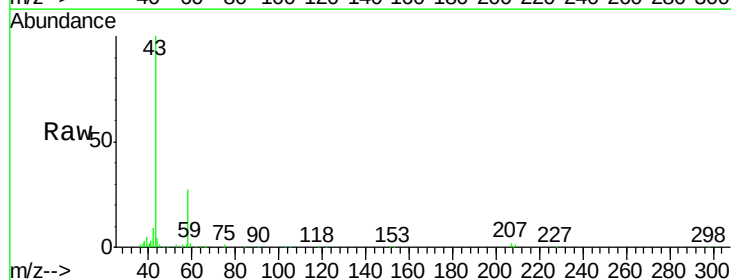
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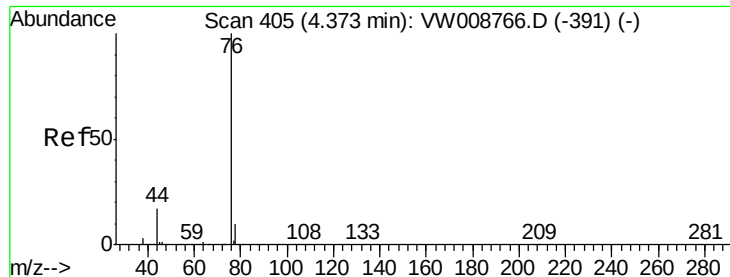
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#16
 Acetone
 Concen: 103.759 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Tgt Ion:	43	Resp:	76024
Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.8	35.6





#17

Carbon Disulfide

Concen: 20.170 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 76 Resp: 197477

Ion Ratio Lower Upper

76 100

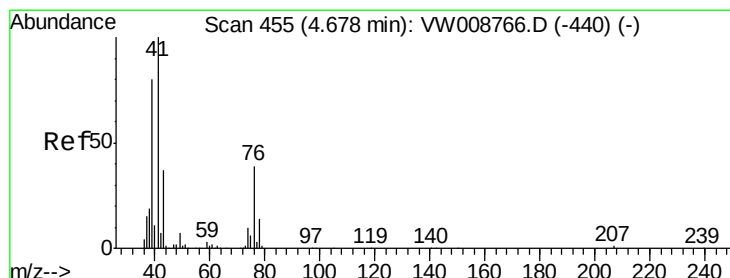
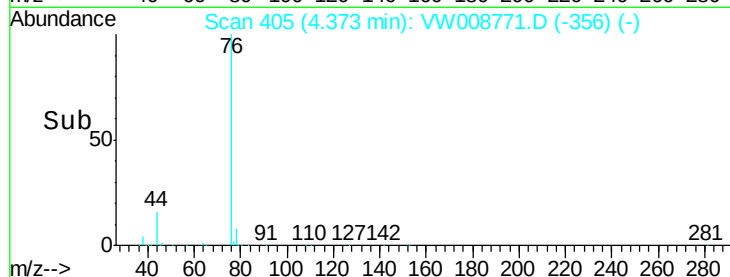
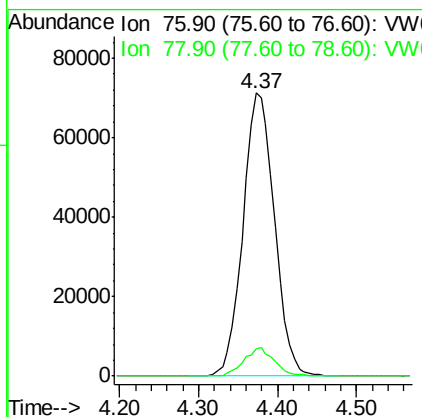
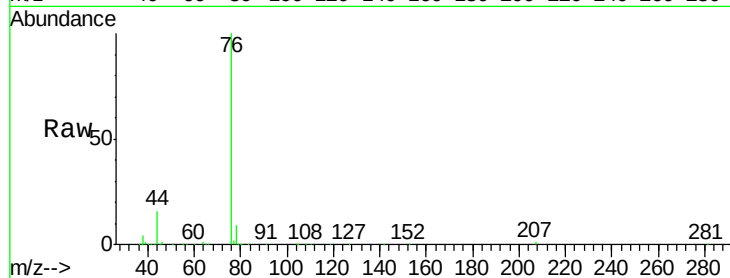
78 9.5 7.8 11.8

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#18

Methyl Acetate

Concen: 19.741 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW008771.D

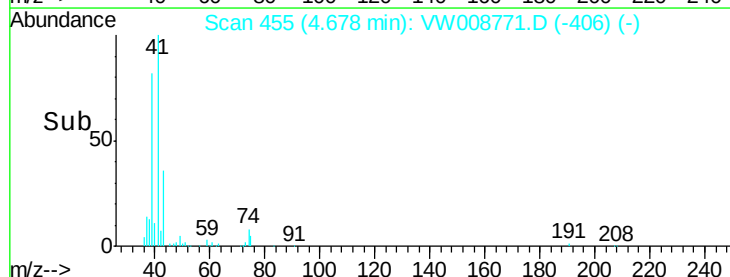
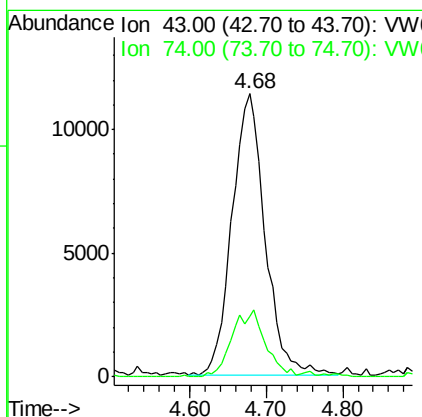
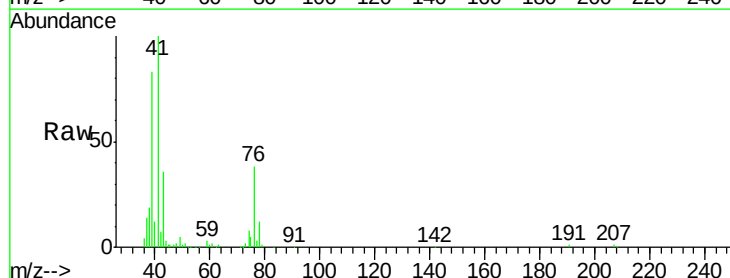
Acq: 21 Feb 2019 15:55

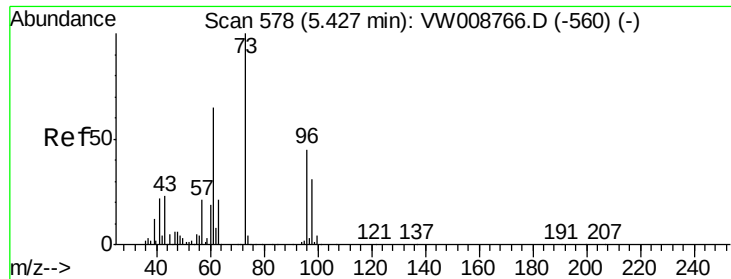
Tgt Ion: 43 Resp: 34308

Ion Ratio Lower Upper

43 100

74 24.1 19.4 29.2





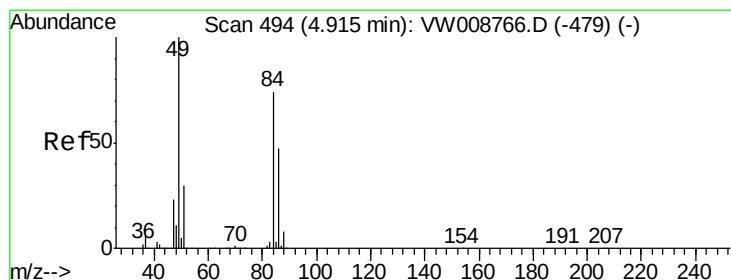
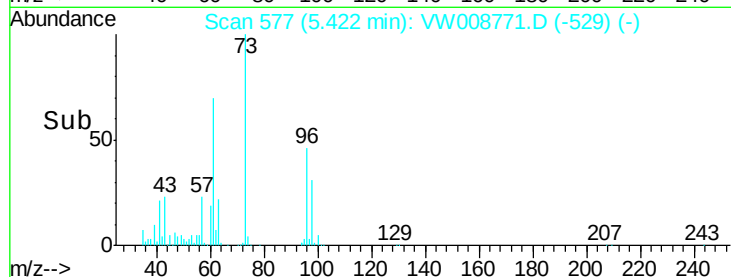
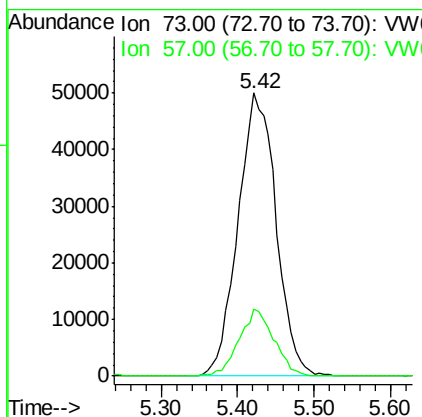
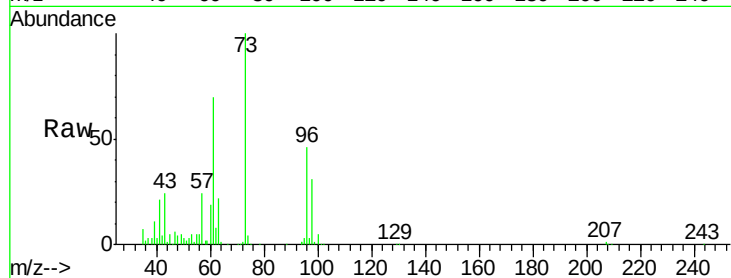
#19
Methyl tert-butyl Ether
Concen: 21.663 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion: 73 Resp: 173023
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2

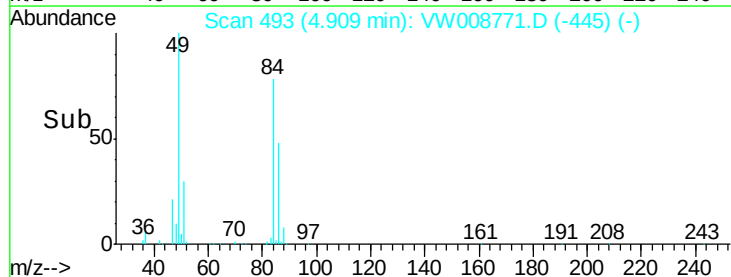
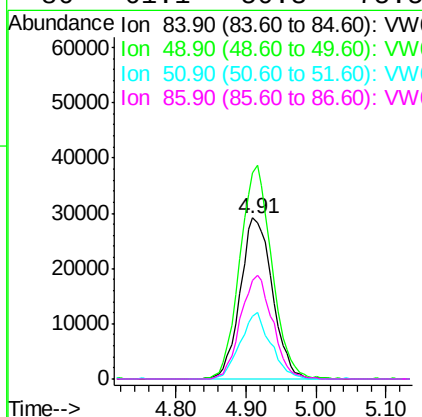
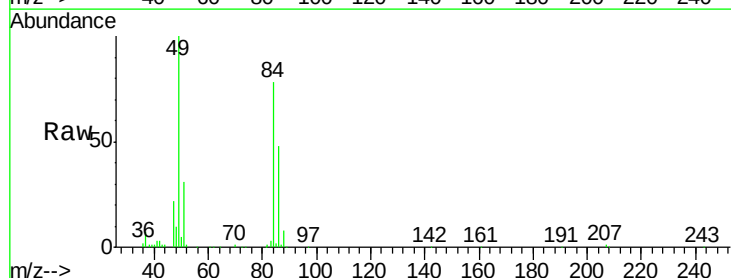
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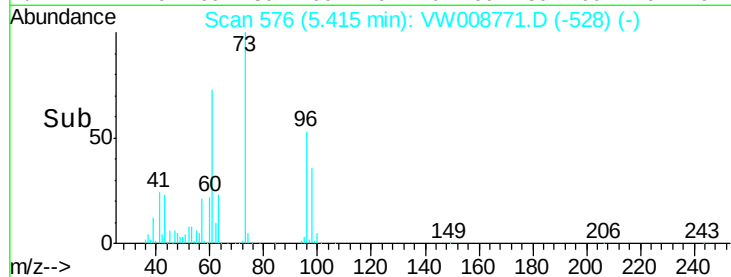
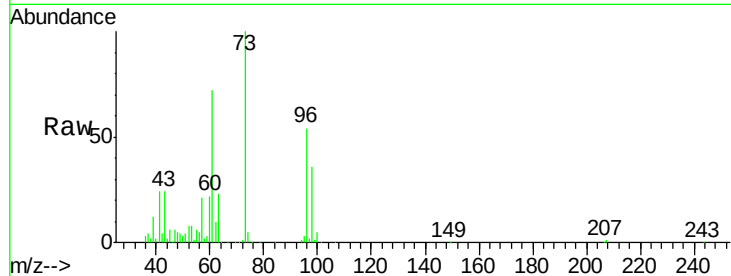
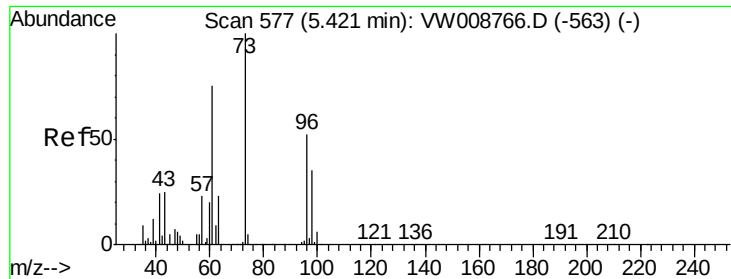
MMDadoda
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#20
Methylene Chloride
Concen: 23.129 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion: 84 Resp: 93392
Ion Ratio Lower Upper
84 100
49 128.2 108.2 162.2
51 39.2 32.7 49.1
86 61.1 50.3 75.5





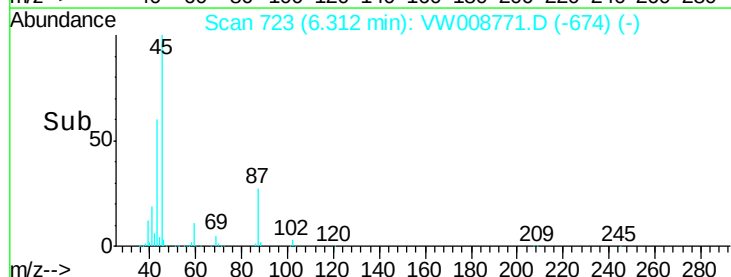
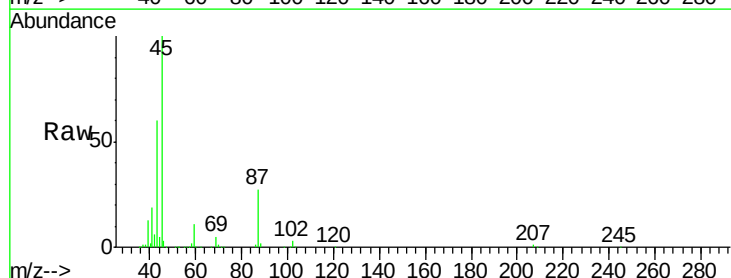
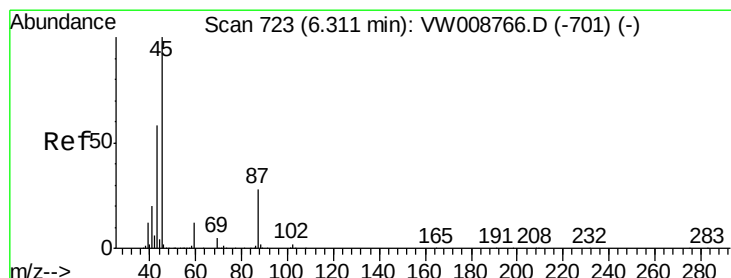
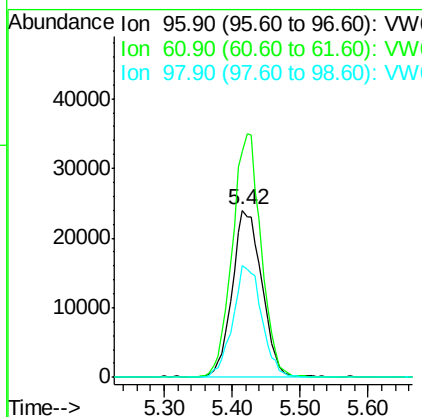
#21
trans-1,2-Dichloroethene
Concen: 21.305 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	134.6	114.6	171.8	
98	66.7	54.0	81.0	

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

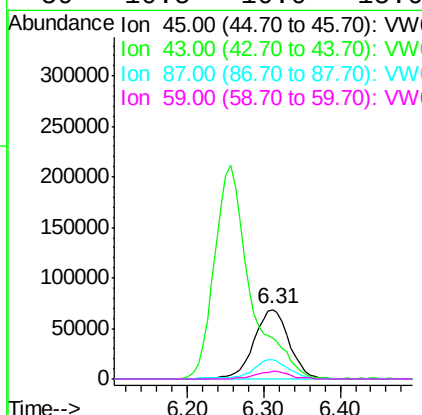
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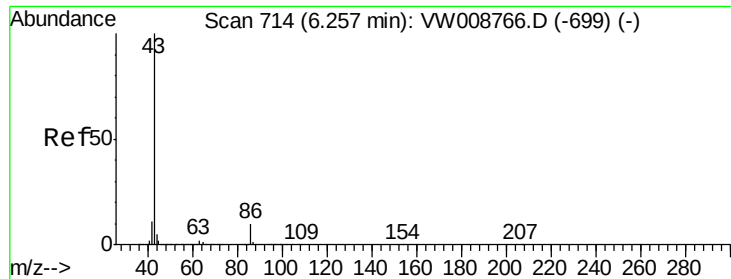
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#22
Diisopropyl ether
Concen: 21.638 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	59.2	46.1	69.1	
87	27.4	22.2	33.4	
59	10.5	10.0	15.0	





#23

Vinyl Acetate

Concen: 109.465 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 43 Resp: 687133

Ion Ratio Lower Upper

43 100

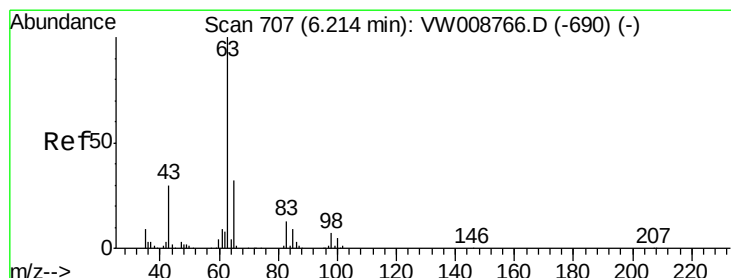
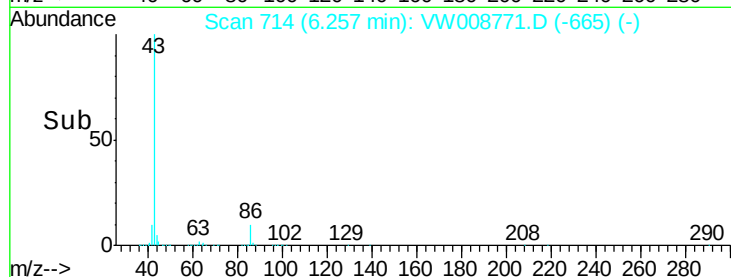
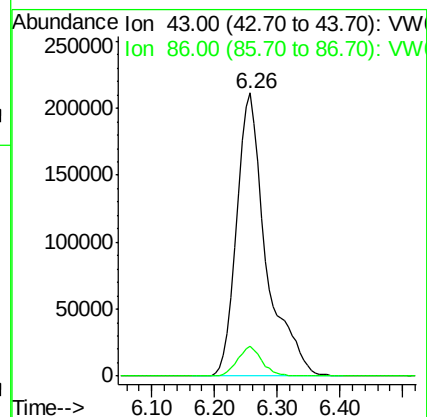
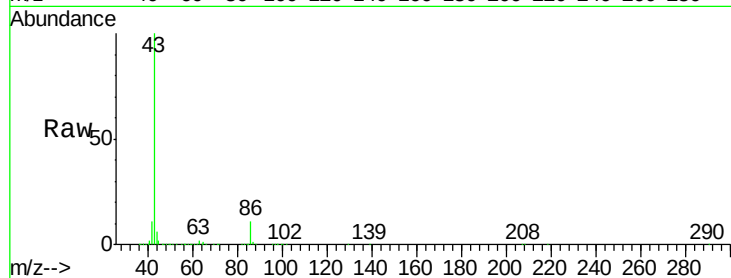
86 10.6 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.861 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

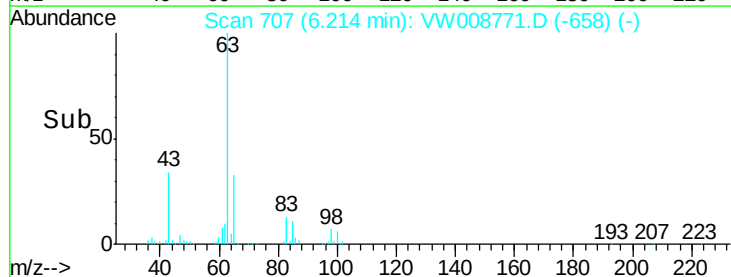
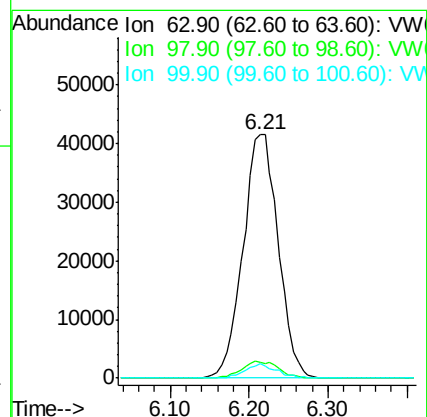
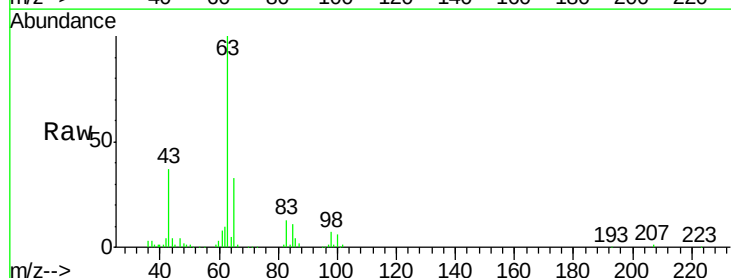
Tgt Ion: 63 Resp: 128702

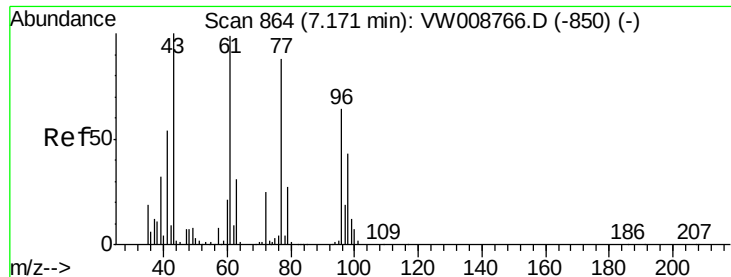
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.6

100 5.8 2.4 7.2





#25

2-Butanone

Concen: 101.306 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 43 Resp: 103774

Ion Ratio Lower Upper

43 100

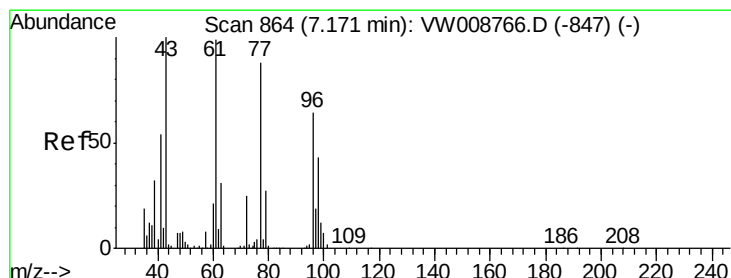
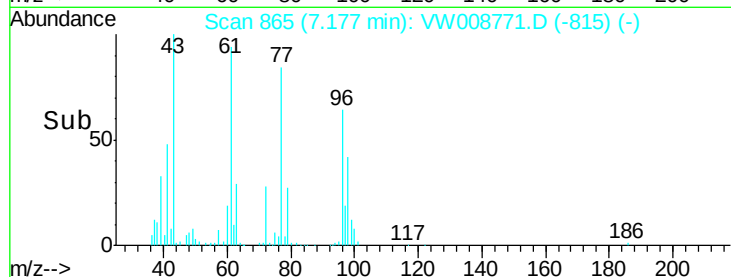
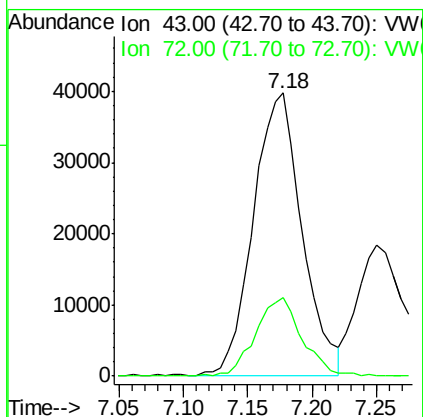
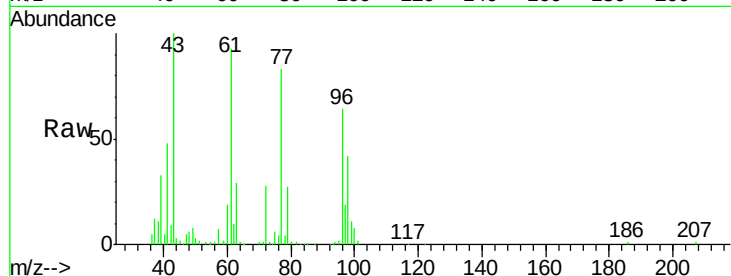
72 27.8 19.7 29.5

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#26

2,2-Dichloropropane

Concen: 21.493 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008771.D

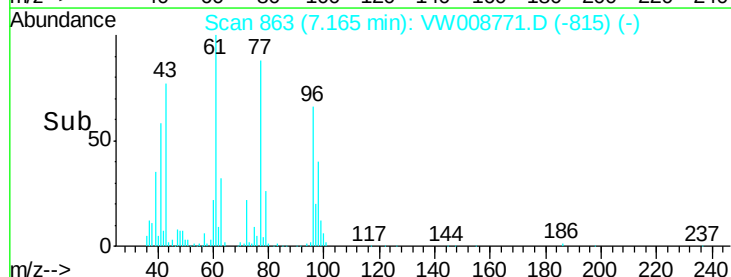
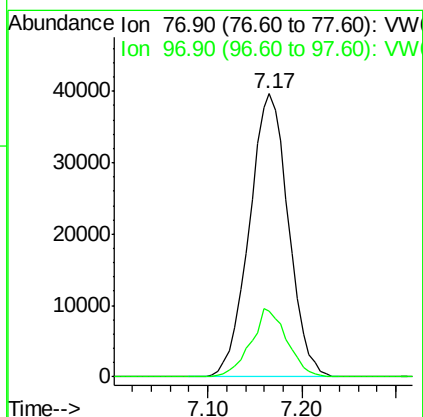
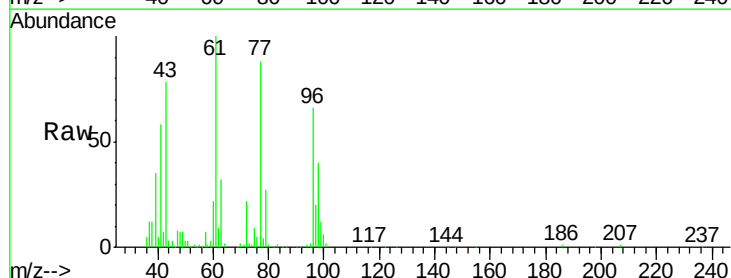
Acq: 21 Feb 2019 15:55

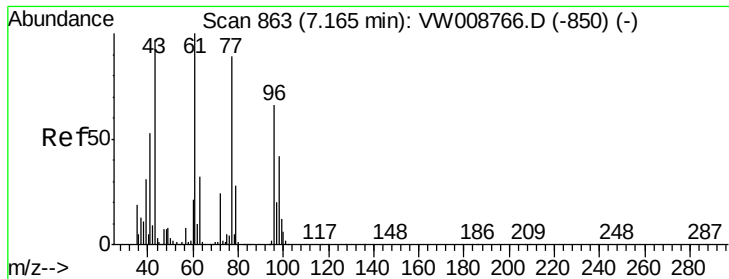
Tgt Ion: 77 Resp: 114879

Ion Ratio Lower Upper

77 100

97 22.2 11.0 33.0





#27

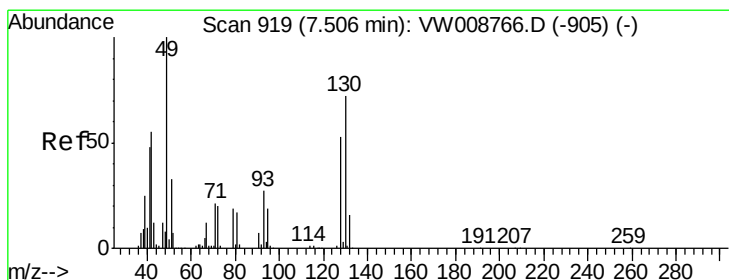
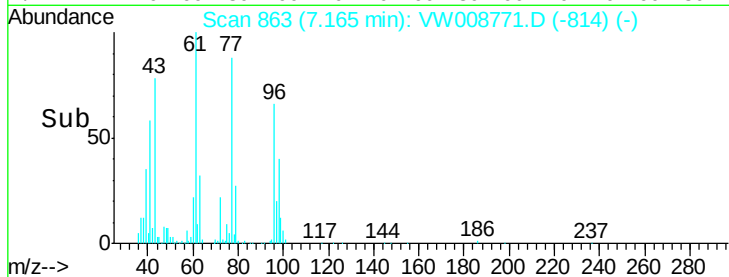
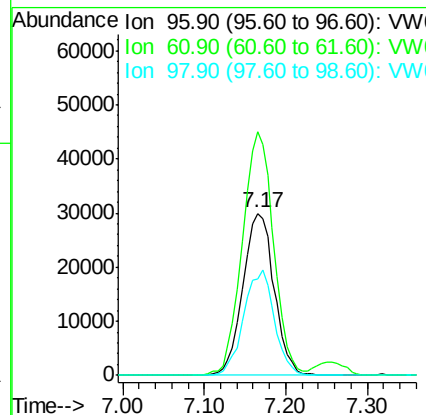
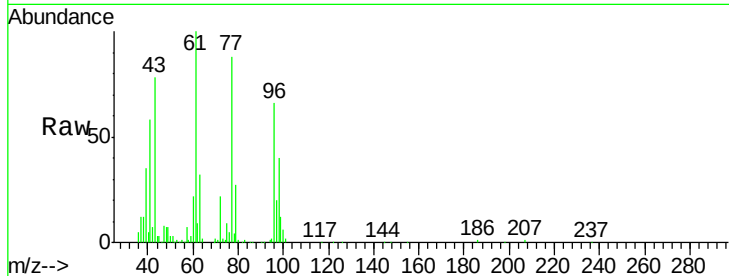
cis-1,2-Dichloroethene
 Concen: 21.769 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	302.6
98	63.8	0.0	130.0

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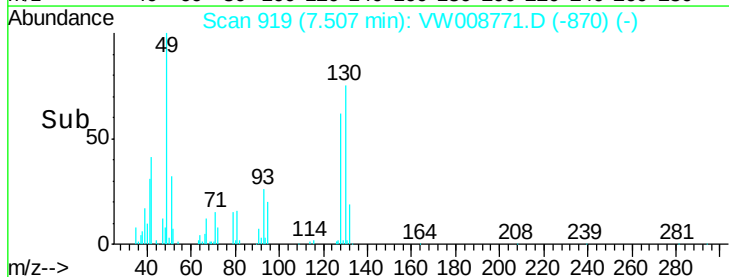
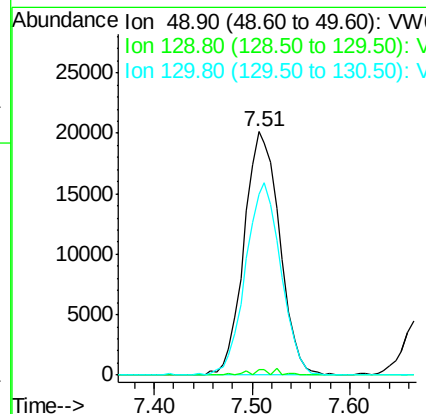
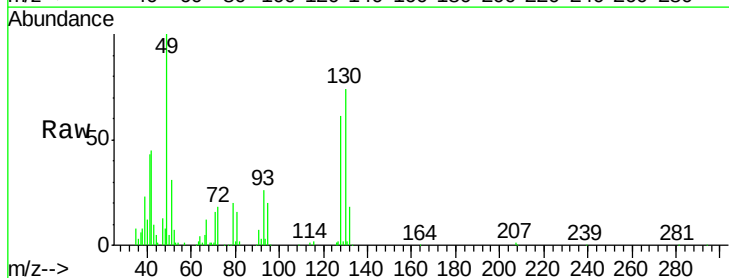
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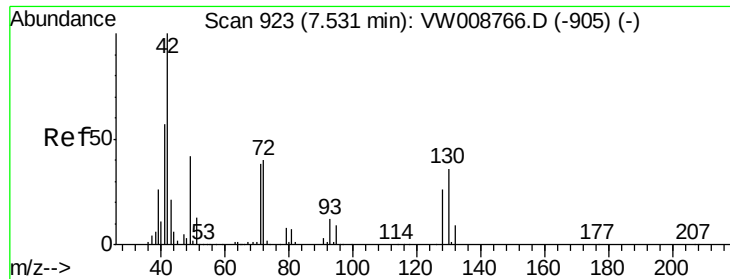


#28

Bromochloromethane
 Concen: 20.598 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.6
130	78.4	61.3	91.9





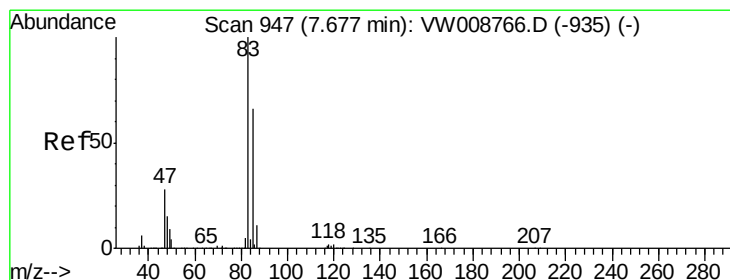
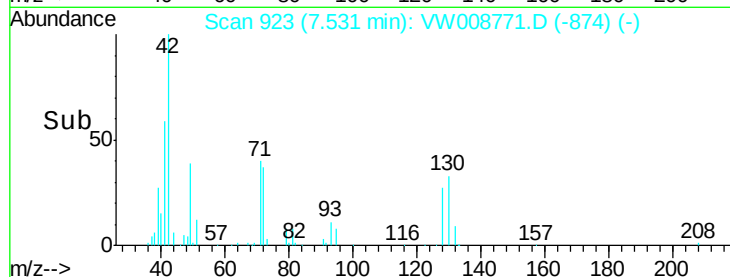
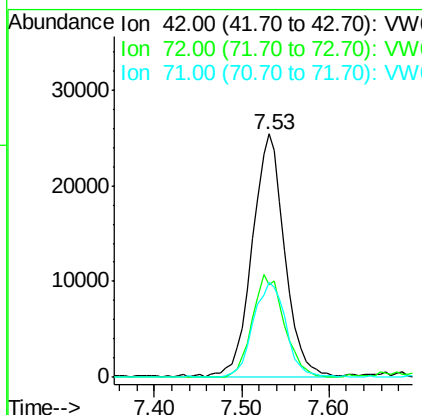
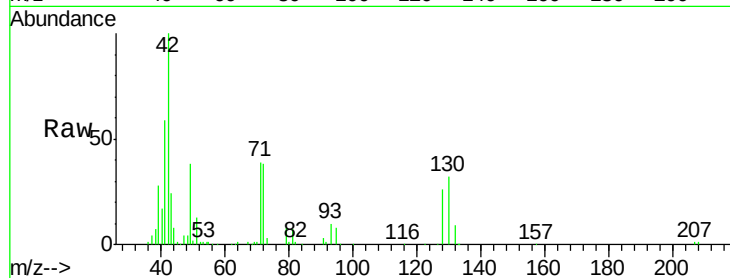
#29
Tetrahydrofuran
Concen: 100.029 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.7	49.1
71	39.7	31.3	46.9

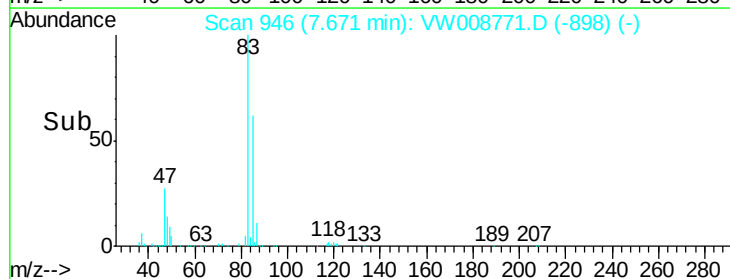
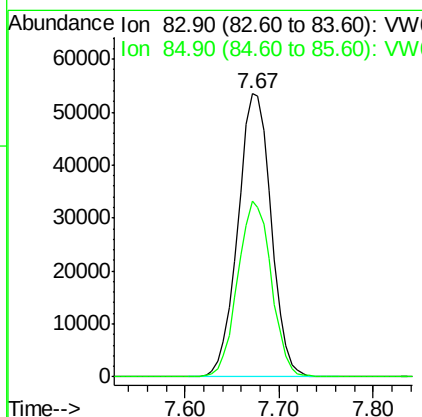
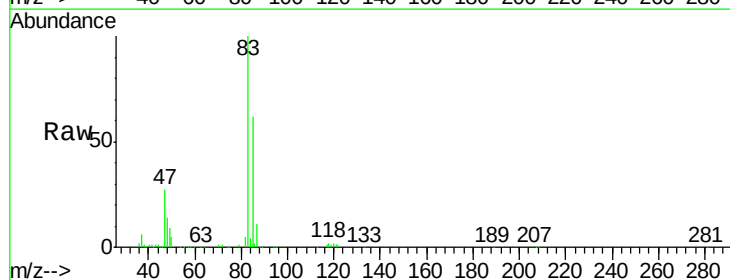
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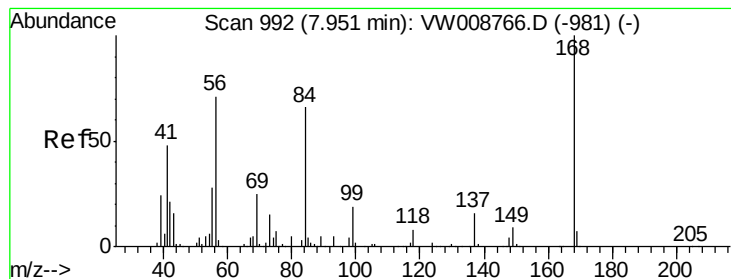
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#30
Chloroform
Concen: 21.892 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.6	79.0





#31

Cyclohexane

Concen: 21.706 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

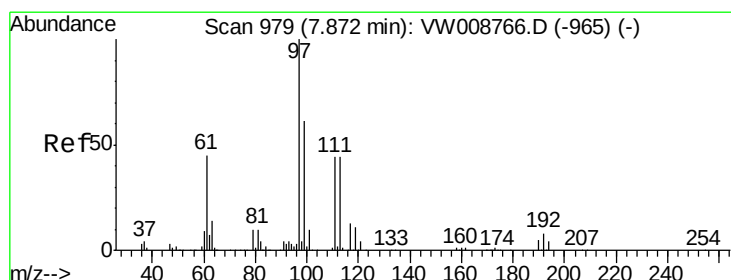
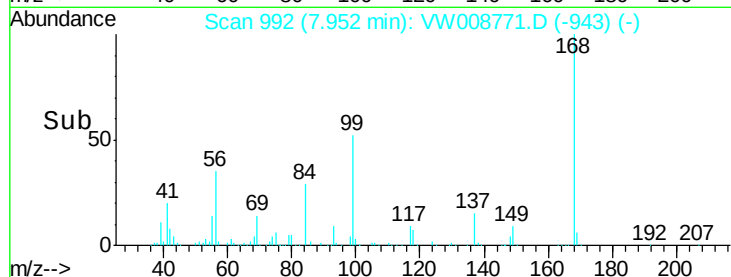
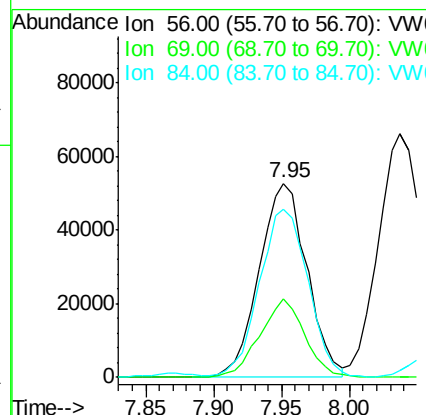
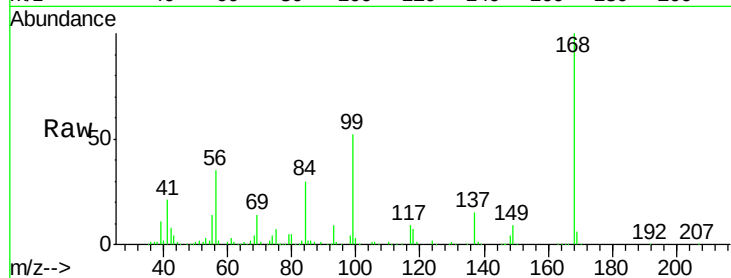
ClientSampleId :

VW0221SBS01

Tot Ion	56	Resp	129350
Ion Ratio	Lower	Upper	
56	100		
69	40.2	28.2	42.4
84	85.6	74.1	111.1

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#32

1,1,1-Trichloroethane

Concen: 21.787 ug/l

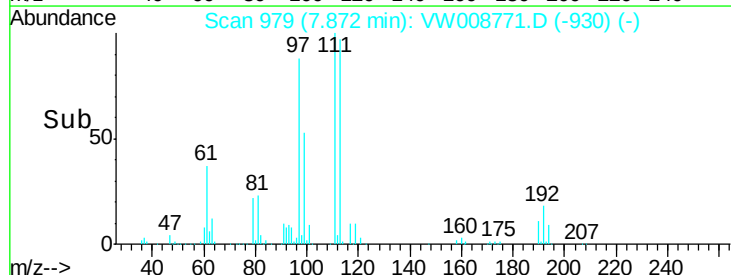
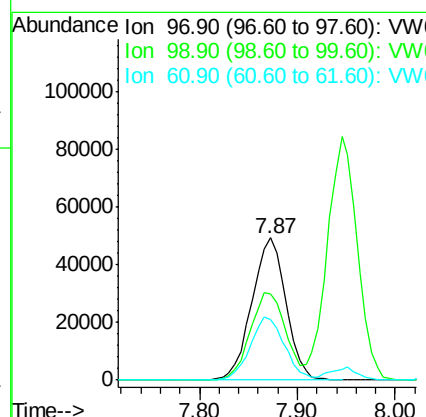
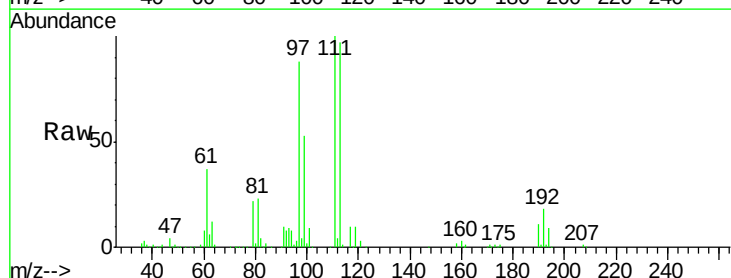
RT: 7.87 min Scan# 979

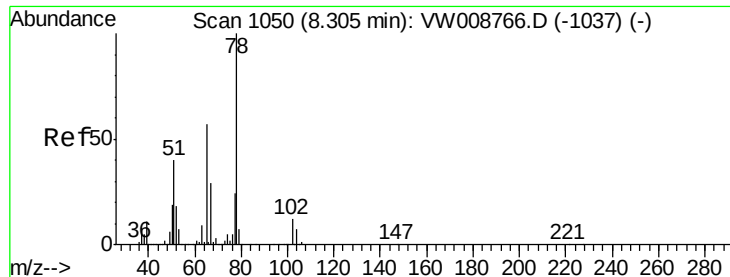
Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Tgt Ion	97	Resp	119663
Ion Ratio	Lower	Upper	
97	100		
99	63.8	50.8	76.2
61	44.8	36.0	54.0





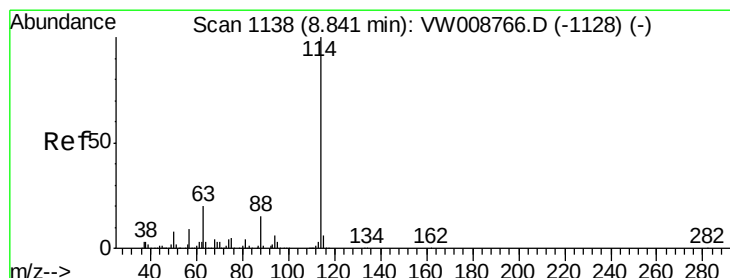
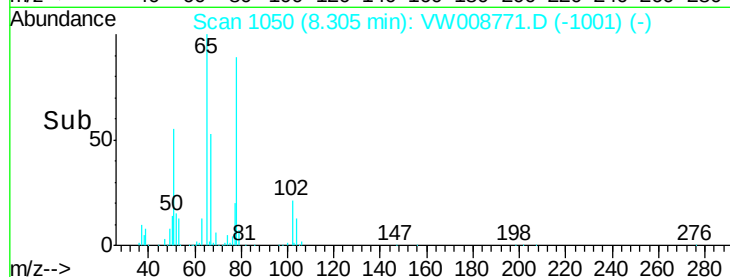
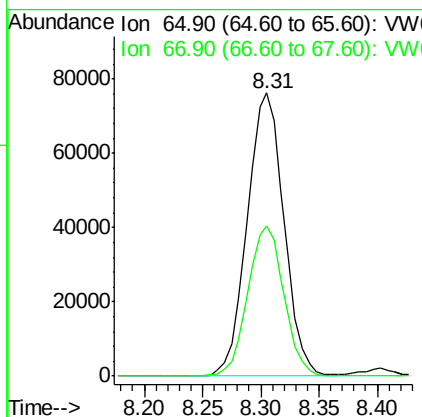
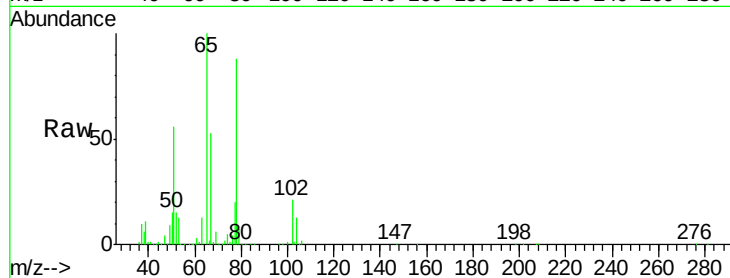
#33
 1,2-Dichloroethane-d4
 Concen: 53.011 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	101.4	

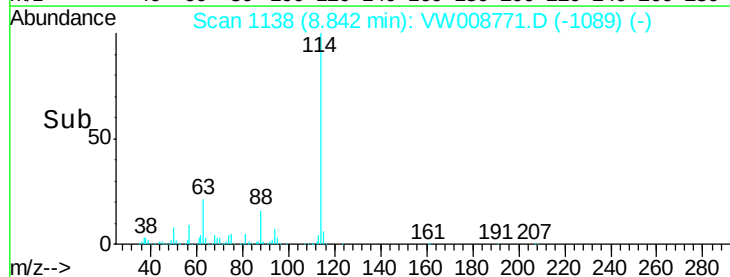
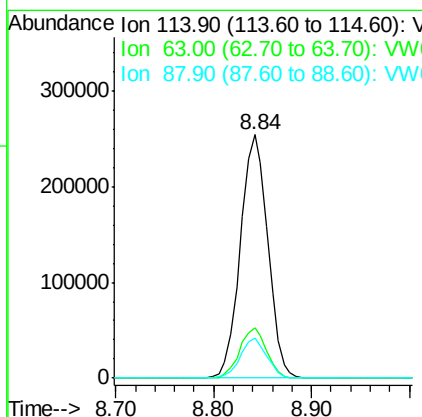
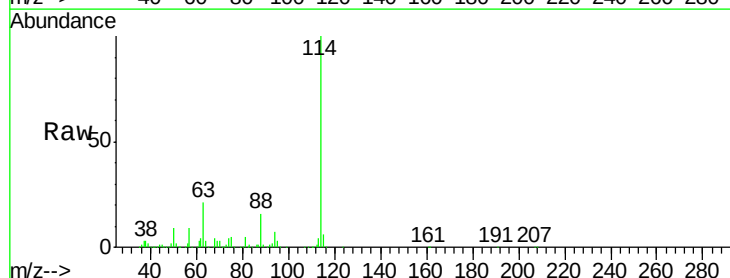
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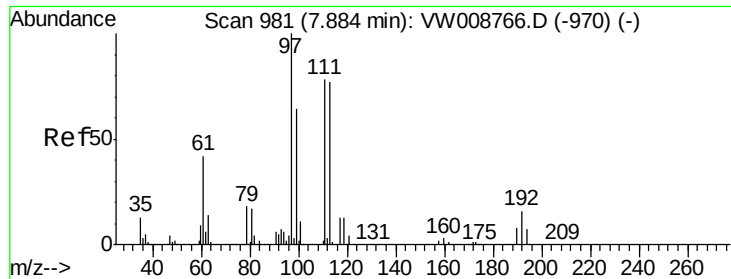
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	40.8	
88	16.3	0.0	30.4	





#35

Dibromofluoromethane

Concen: 53.005 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

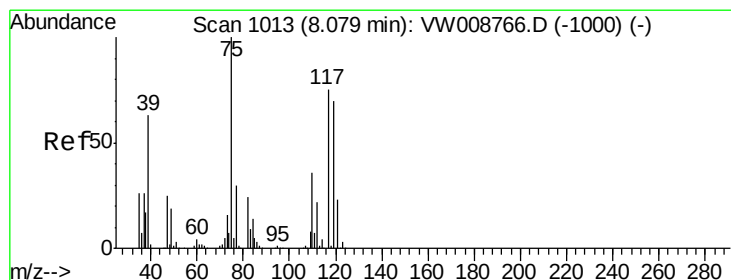
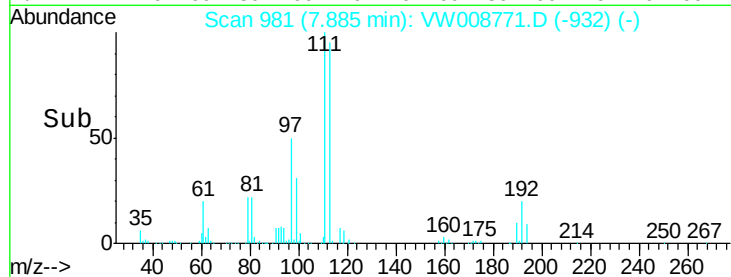
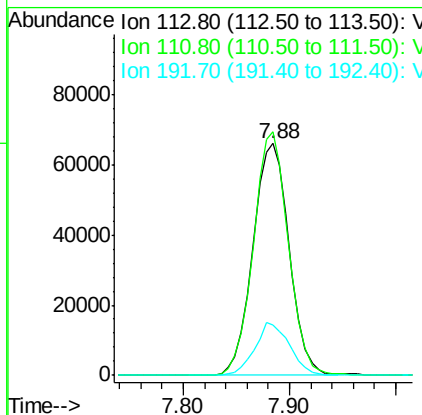
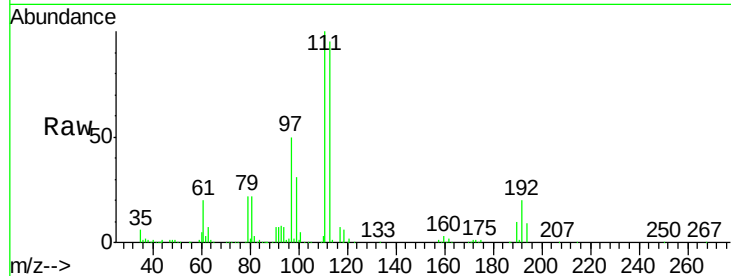
ClientSampleId :

VW0221SBS01

Tot Ion:	113	Resp:	157298
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.9	122.9
192	21.7	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 21.768 ug/l

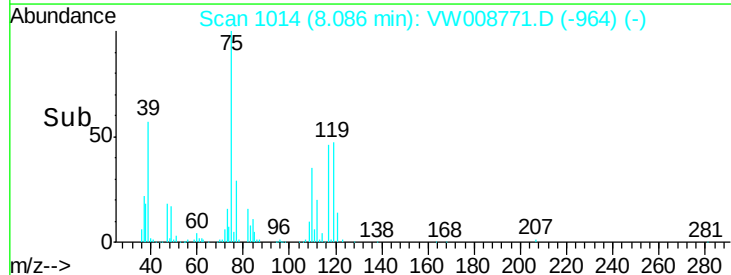
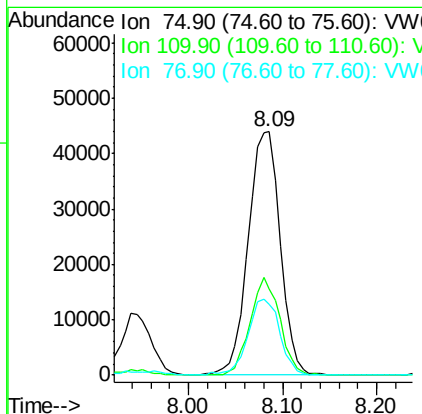
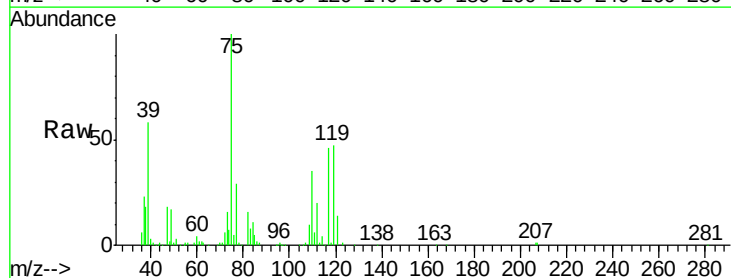
RT: 8.09 min Scan# 1014

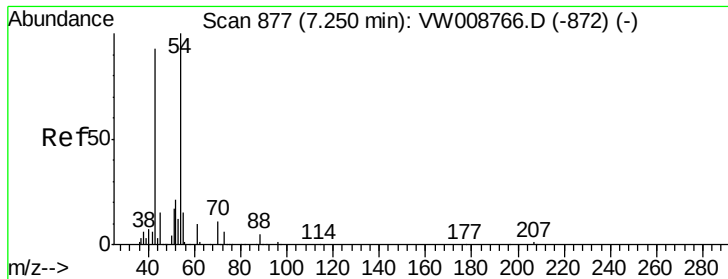
Delta R.T. 0.01 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Tgt Ion:	75	Resp:	104733
Ion Ratio	Lower	Upper	
75	100		
110	37.0	17.5	52.6
77	31.0	24.5	36.7





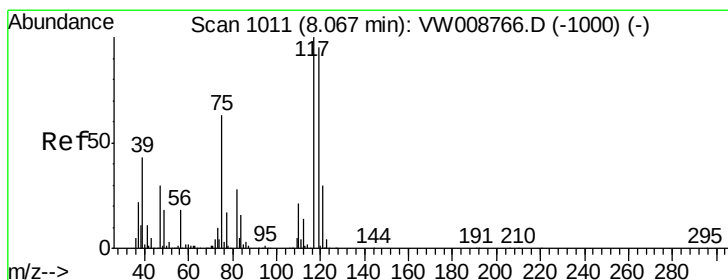
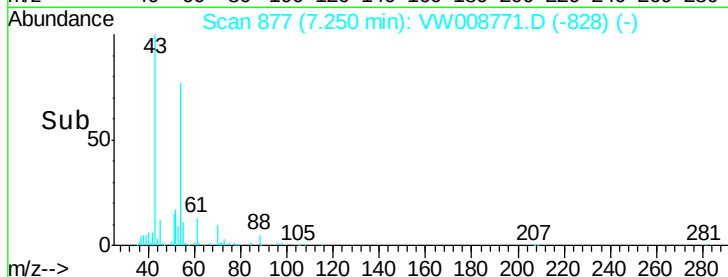
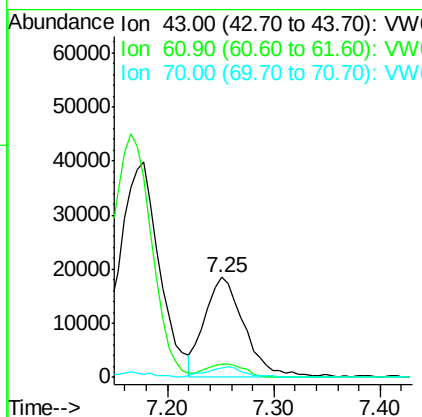
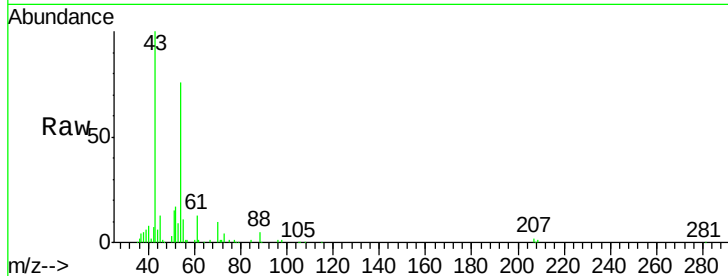
#37
Ethyl Acetate
Concen: 20.870 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.8	14.8
70	10.0	8.4	12.6

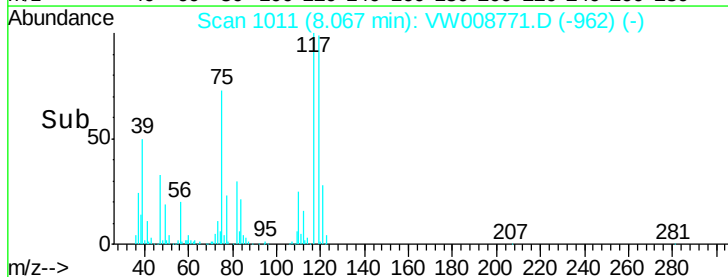
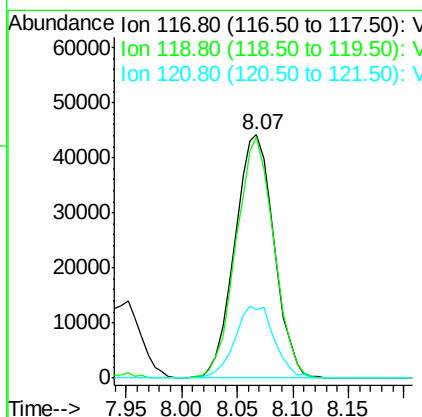
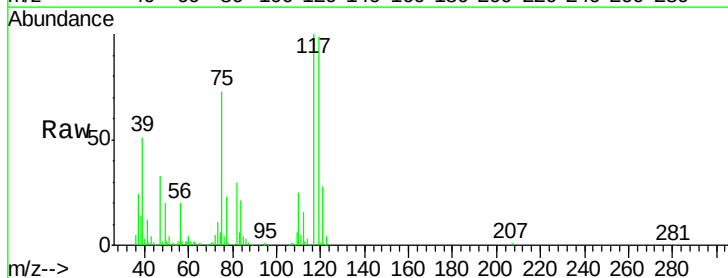
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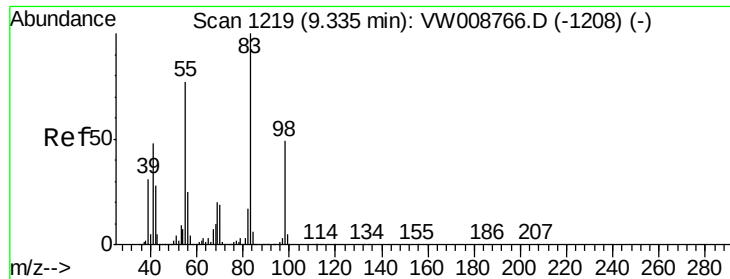
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#38
Carbon Tetrachloride
Concen: 21.275 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.1	114.1
121	27.8	24.0	36.0





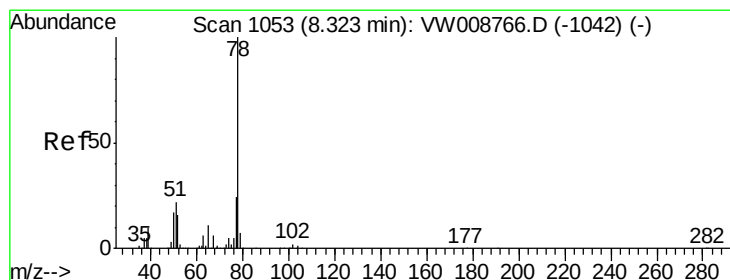
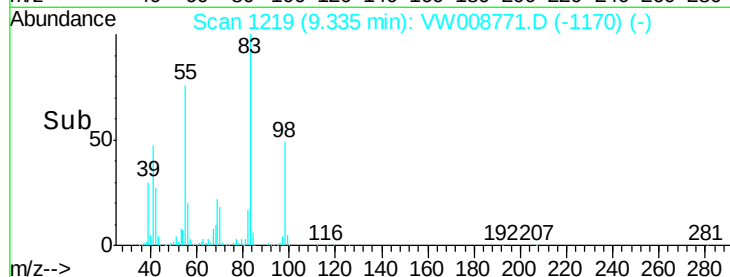
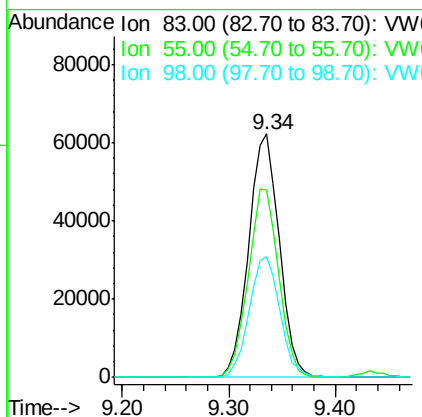
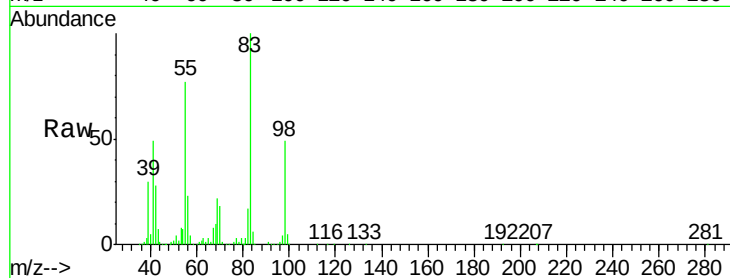
#39
Methylvlcyclohexane
Concen: 21.004 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	61.2	91.8
98	49.4	39.4	59.2

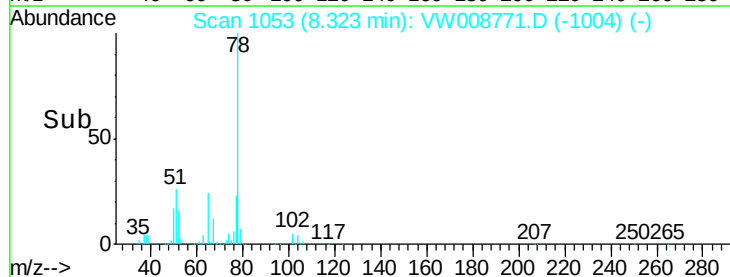
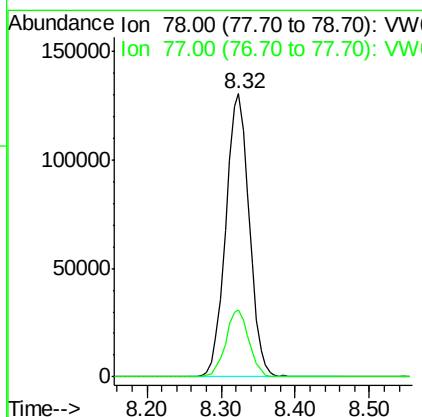
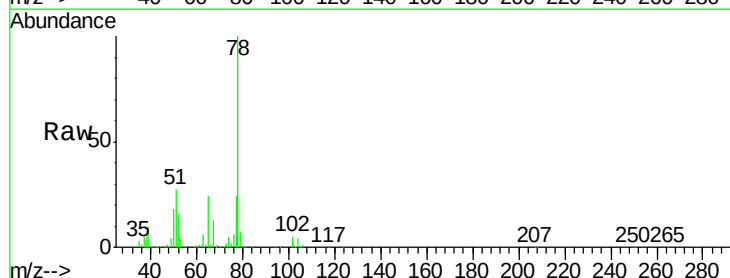
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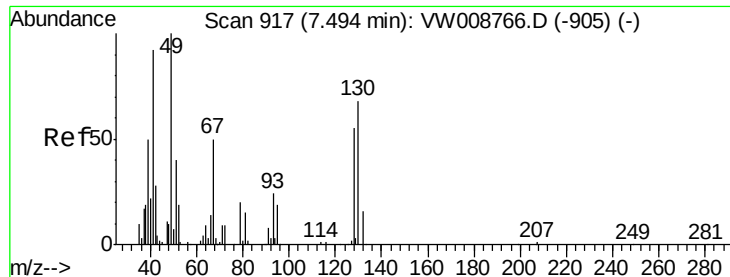
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#40
Benzene
Concen: 21.880 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9





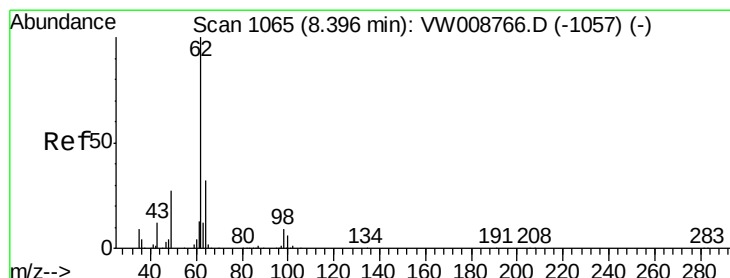
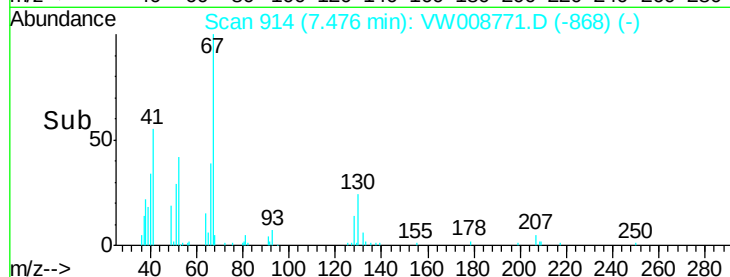
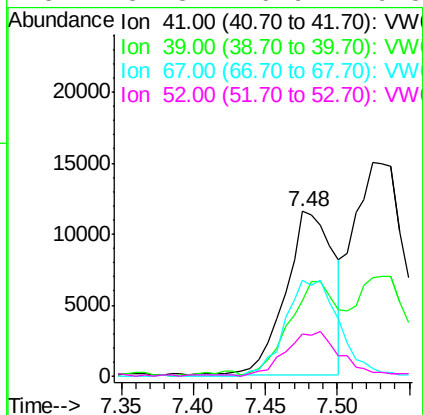
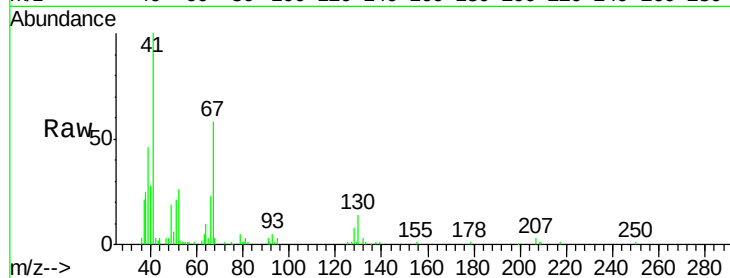
#41
Methacrylonitrile
Concen: 20.303 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	41	Resp	26702
Ion	Ratio	Lower	Upper
41	100		
39	60.8	52.5	78.7
67	66.7	55.0	82.6
52	31.3	26.9	40.3

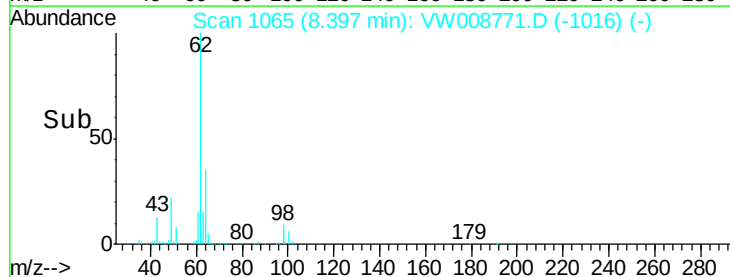
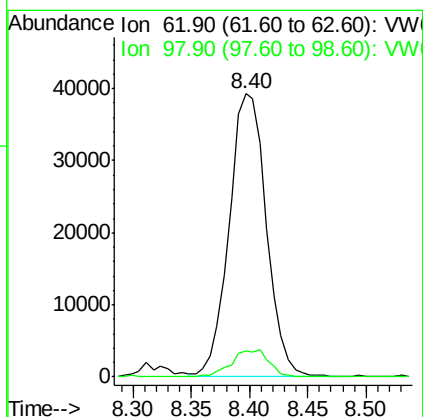
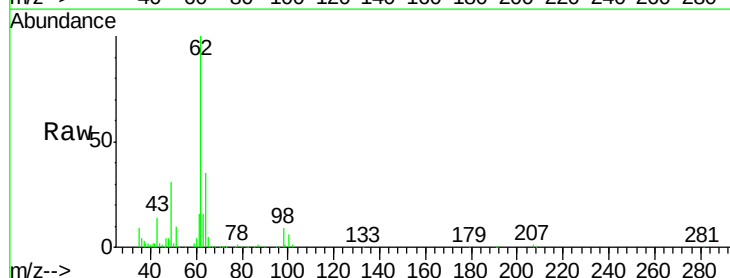
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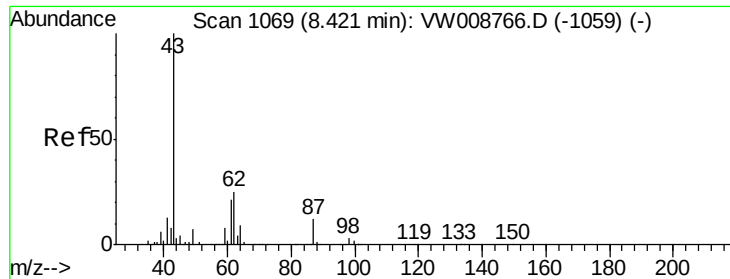
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#42
1,2-Dichloroethane
Concen: 20.908 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	62	Resp	87006
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.2





#43

Isopropyl Acetate

Concen: 20.149 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

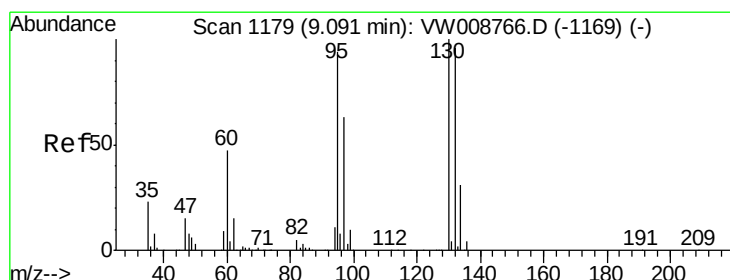
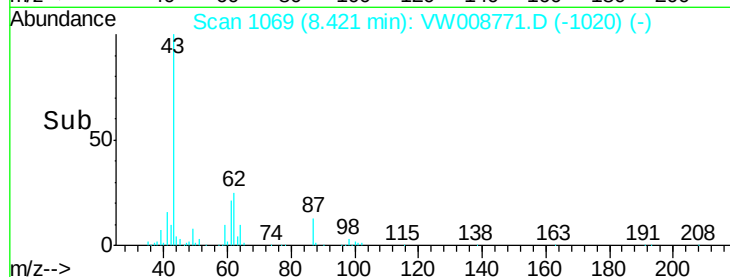
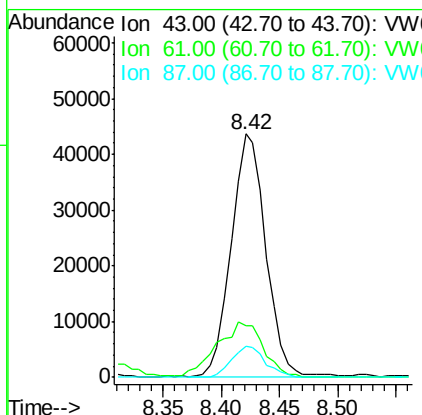
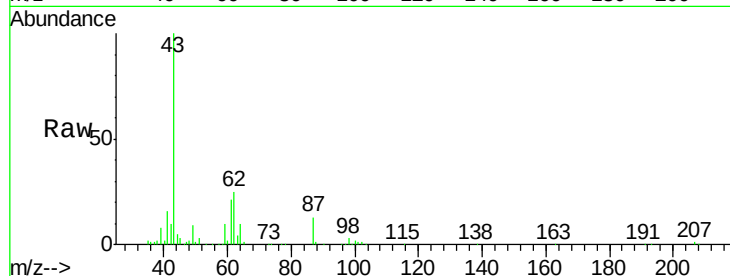
ClientSampleId :

VW0221SBS01

Tot Ion:	43	Resp:	89975
Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.2	34.8
87	12.5	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 21.779 ug/l

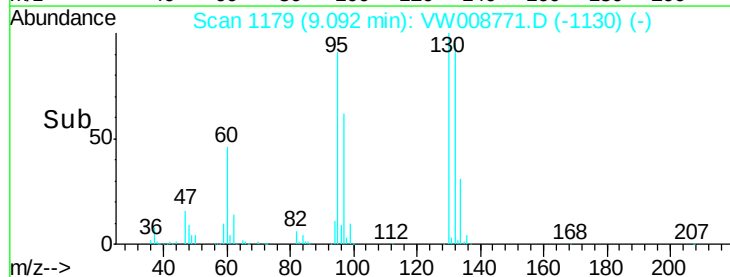
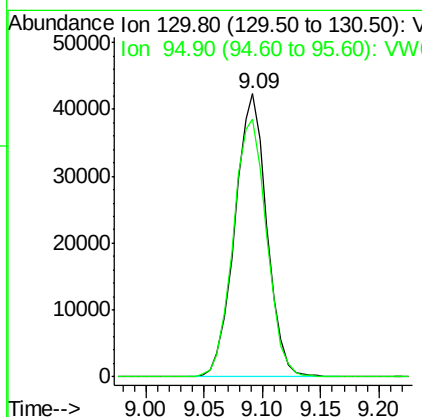
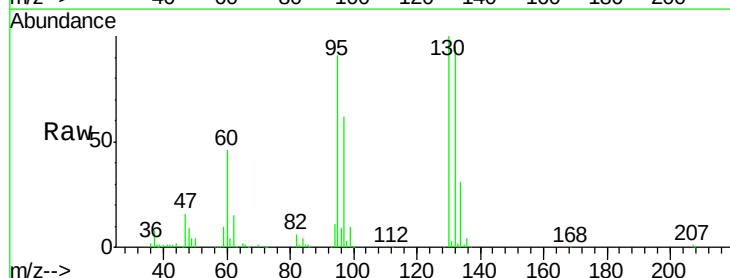
RT: 9.09 min Scan# 1179

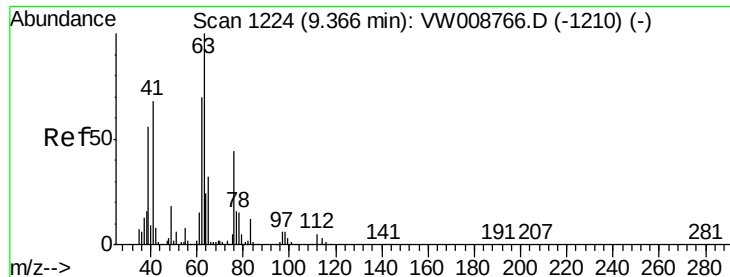
Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Tgt Ion:	130	Resp:	80595
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	188.6





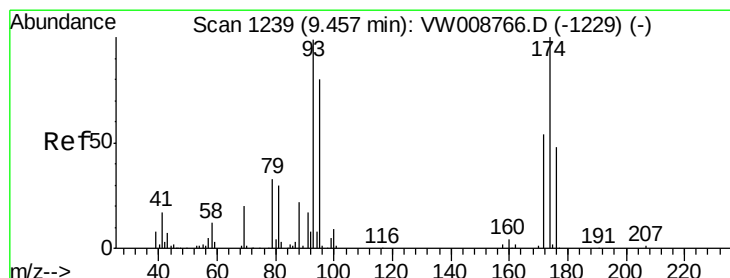
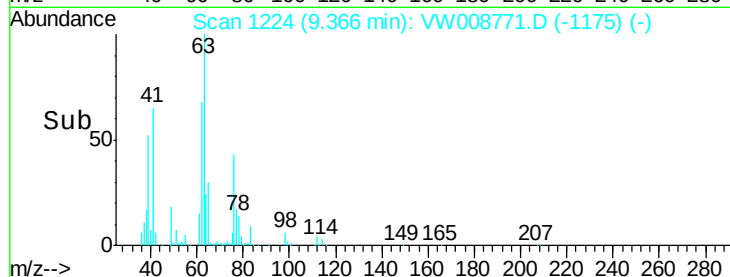
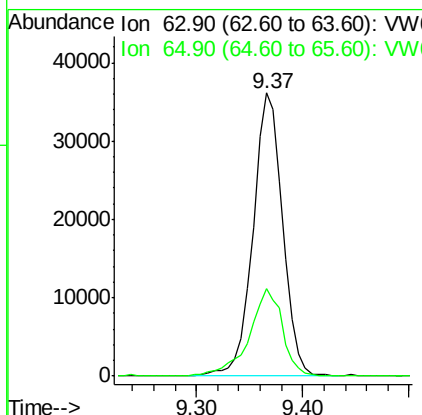
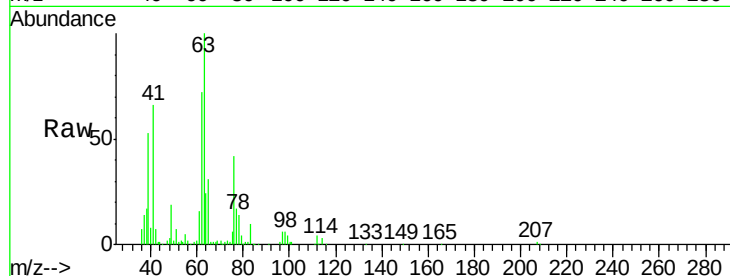
#45
 1,2-Dichloropropane
 Concen: 21.674 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.5	38.3

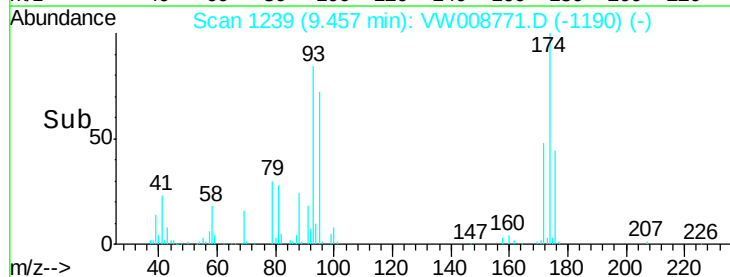
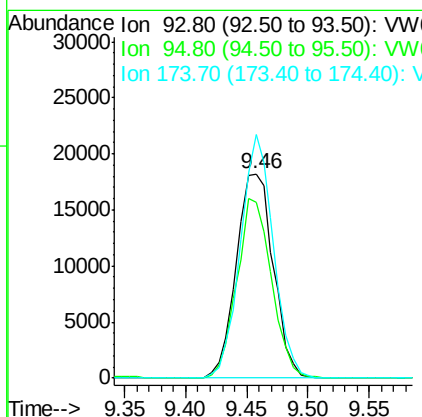
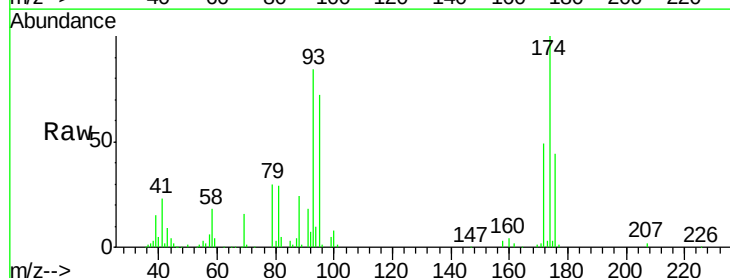
Manual Integrations
 APPROVED

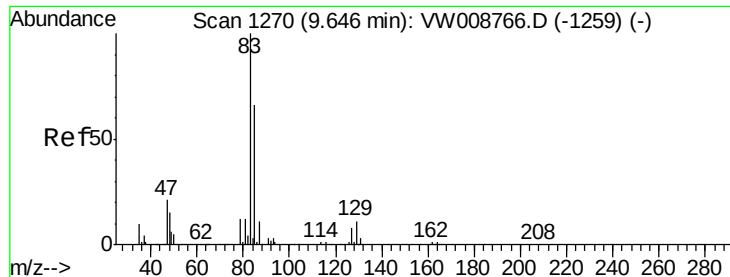
MMDadoda
 2/22/2019 12:25:46 PM



#46
 Dibromomethane
 Concen: 21.183 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.7	101.5
174	106.1	86.7	130.1





#47

Bromodichloromethane

Concen: 21.473 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

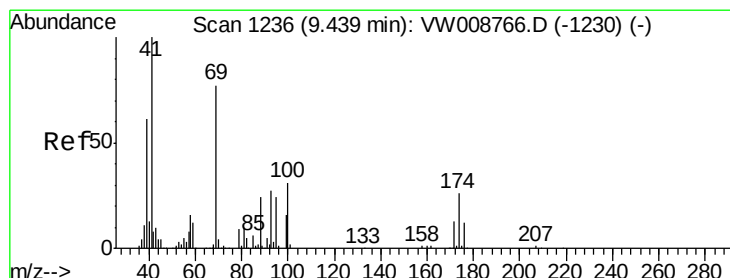
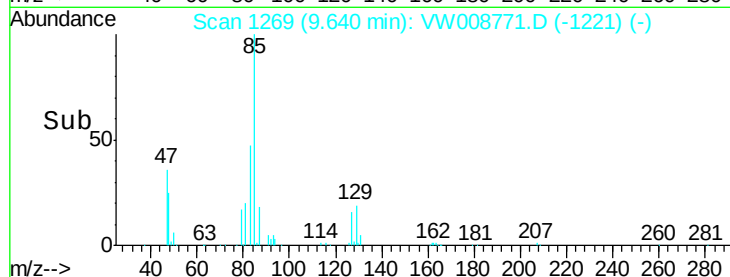
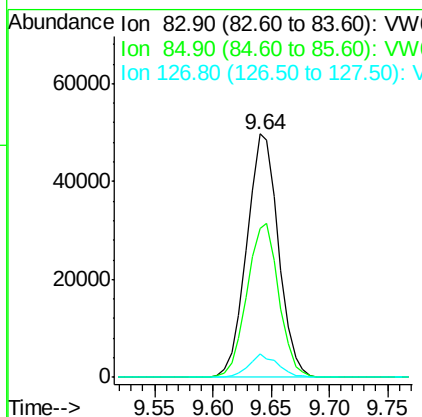
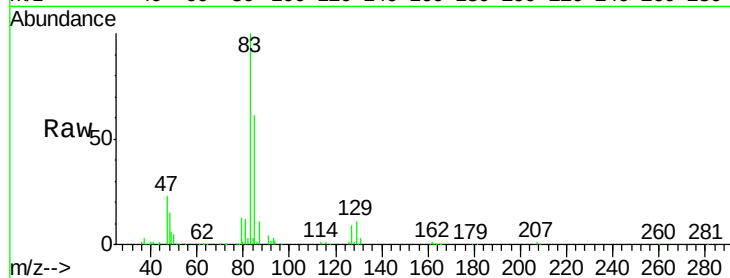
ClientSampleId :

VW0221SBS01

Tot Ion:	83	Resp:	94334
Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.5	78.7
127	9.5	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.387 ug/l

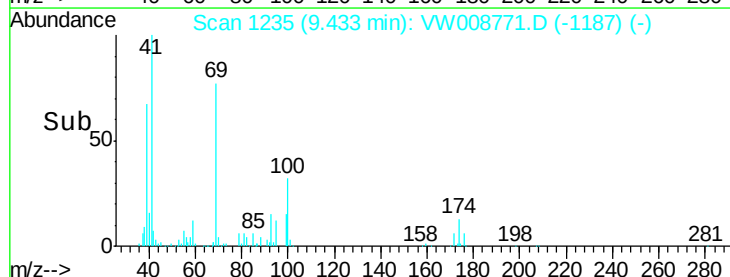
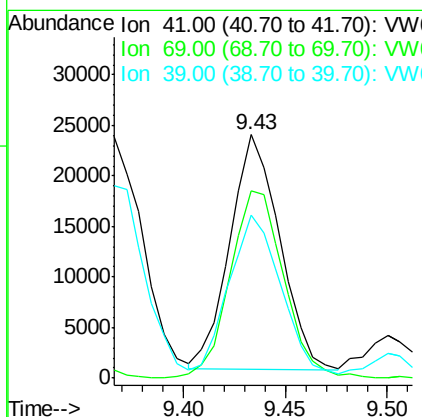
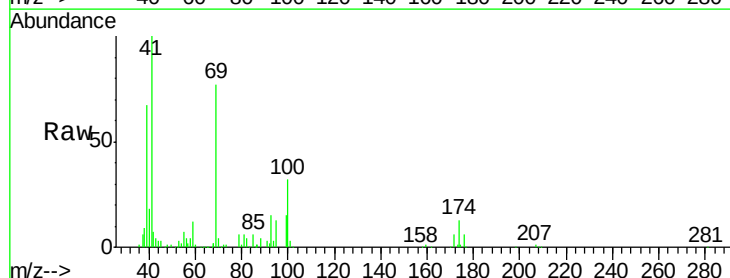
RT: 9.43 min Scan# 1235

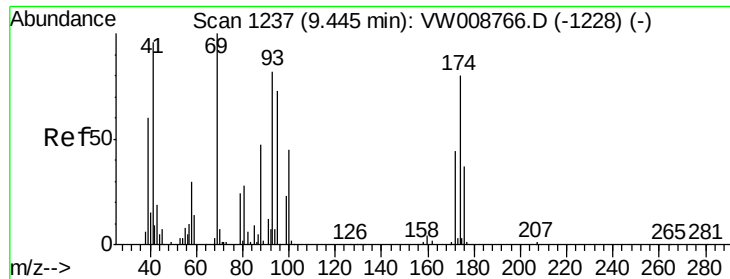
Delta R.T. -0.01 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Tgt Ion:	41	Resp:	39323
Ion	Ratio	Lower	Upper
41	100		
69	86.6	63.6	95.4
39	69.5	52.1	78.1





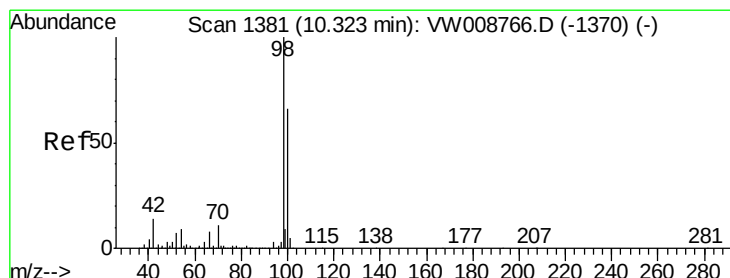
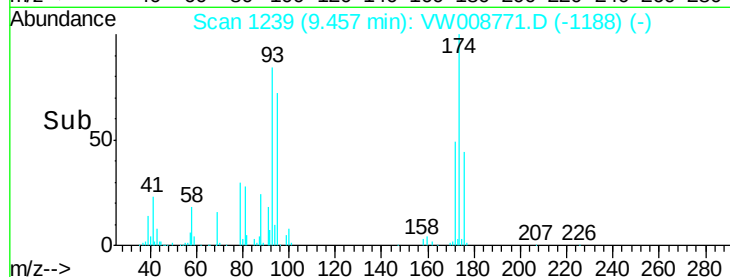
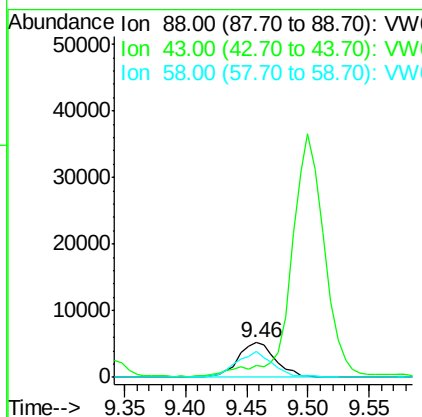
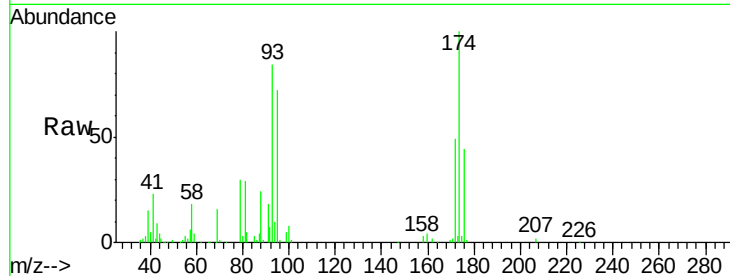
#49
1,4-Dioxane
Concen: 387.846 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	0.0	29.0	43.4#	
58	72.0	52.0	78.0	

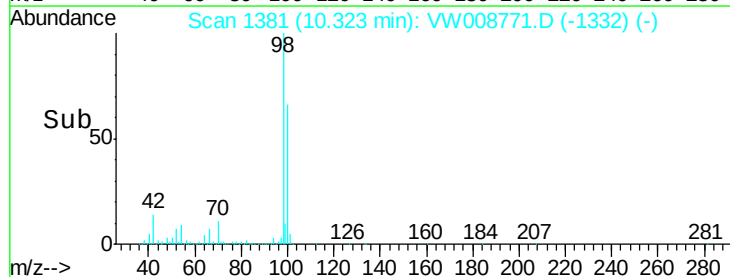
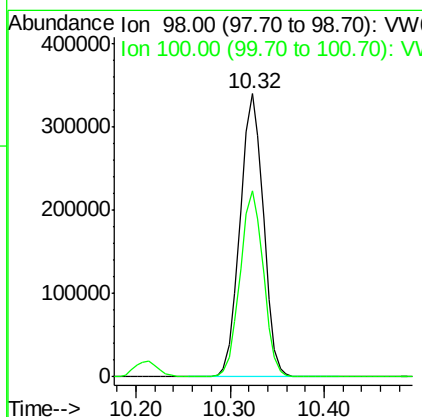
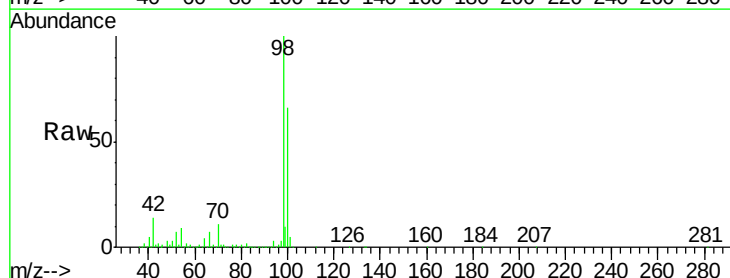
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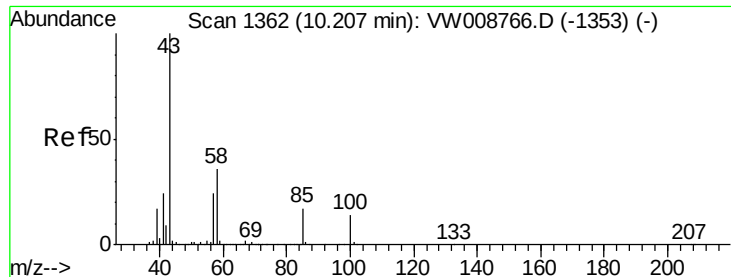
MMDadoda
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#50
Toluene-d8
Concen: 51.428 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.6	52.4	78.6	





#51

4-Methyl-2-Pentanone

Concen: 97.025 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 43 Resp: 219962

Ion Ratio Lower Upper

43 100

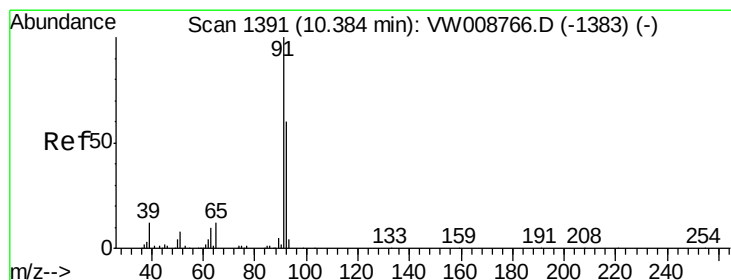
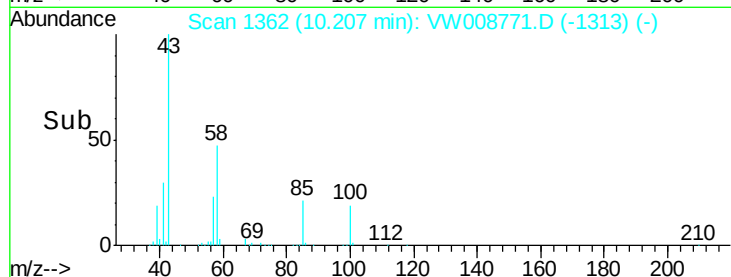
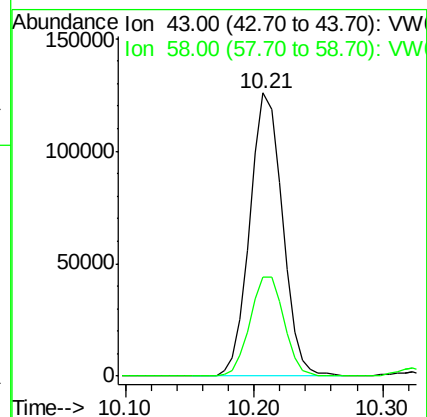
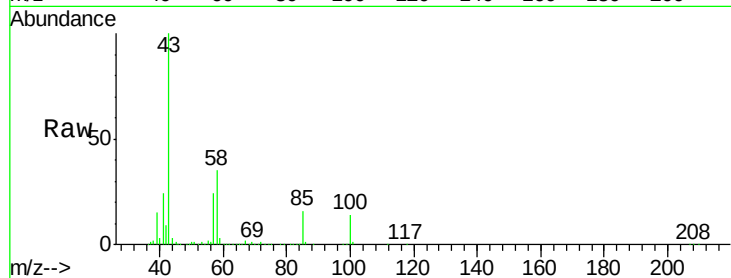
58 36.7 29.1 43.7

Manual Integrations

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#52

Toluene

Concen: 20.653 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008771.D

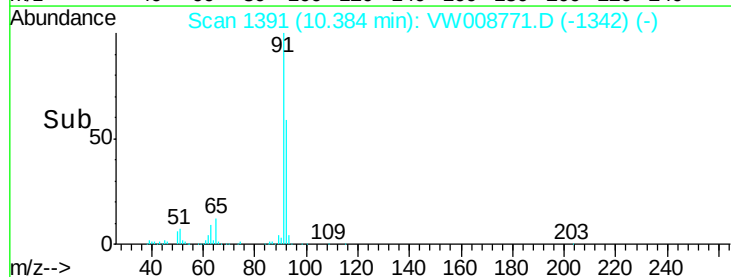
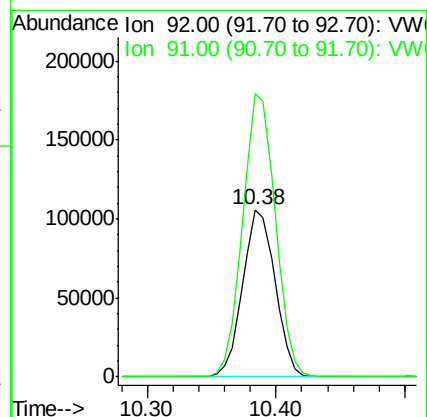
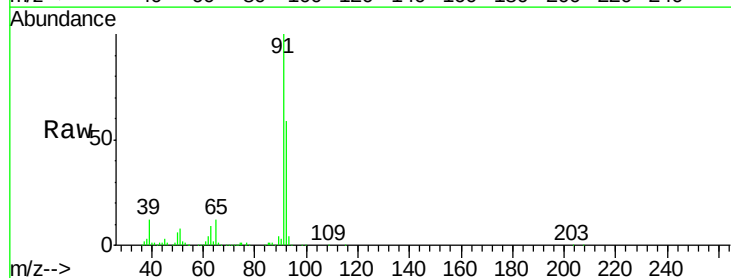
Acq: 21 Feb 2019 15:55

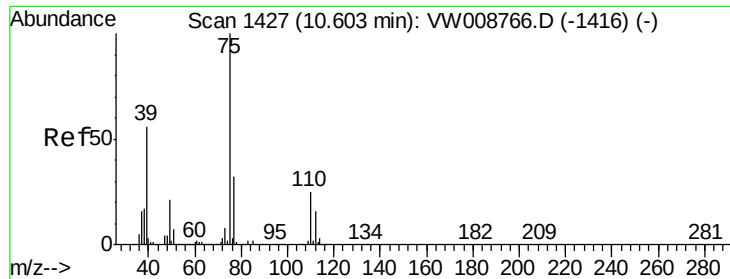
Tgt Ion: 92 Resp: 184128

Ion Ratio Lower Upper

92 100

91 171.0 136.9 205.3





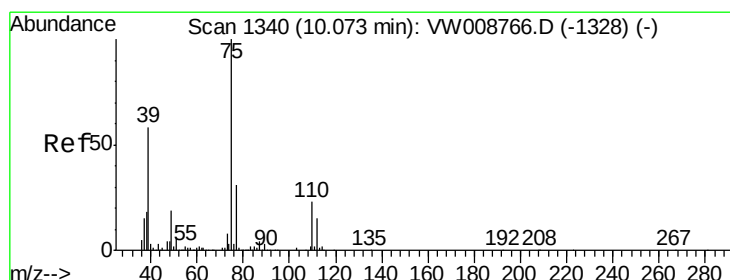
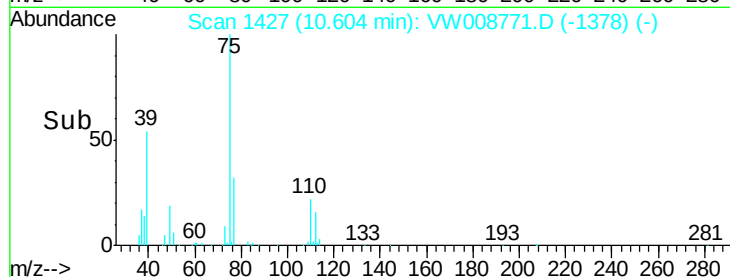
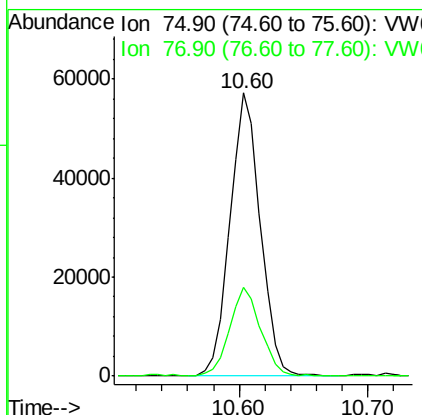
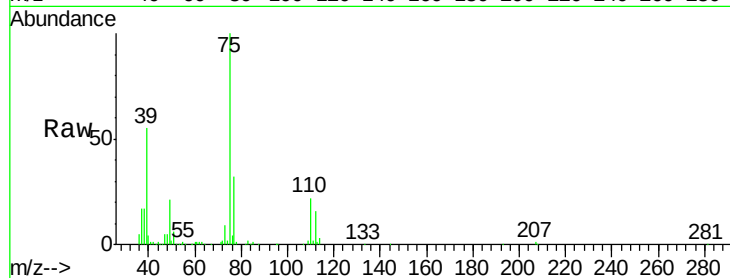
#53
t-1,3-Dichloropropene
Concen: 20.983 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.1	39.1

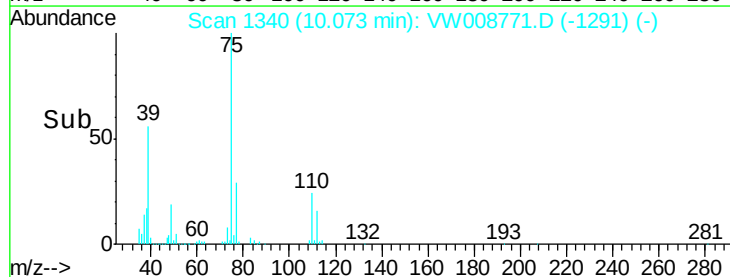
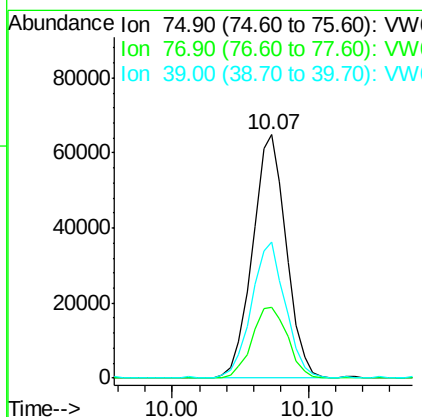
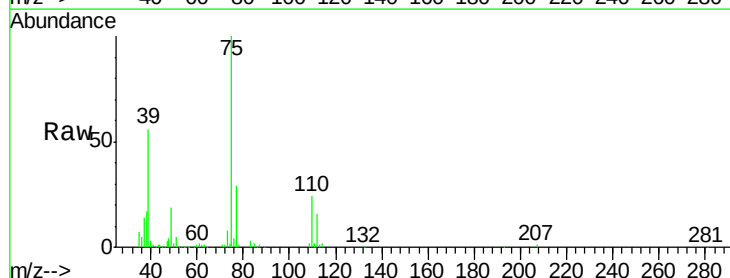
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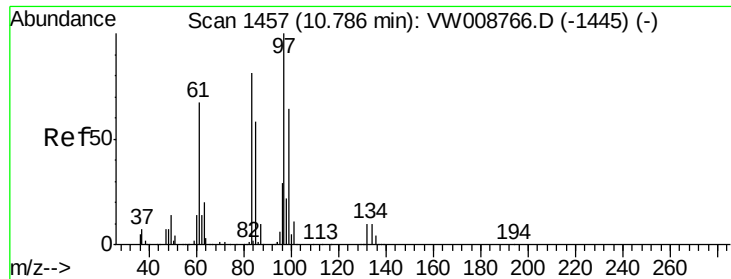
MMDadoda
2/22/2019 12:25:46 PM



#54
cis-1,3-Dichloropropene
Concen: 22.075 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.0	37.4
39	55.4	46.6	70.0





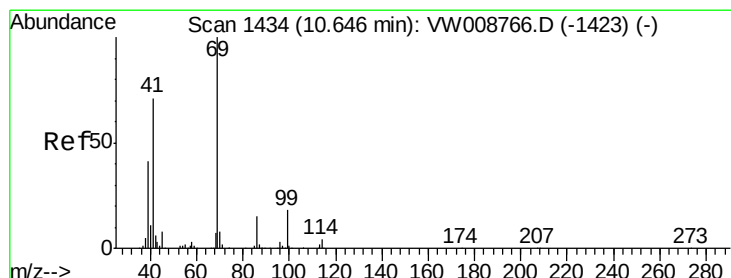
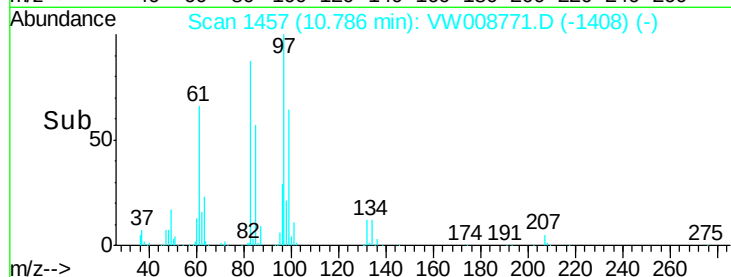
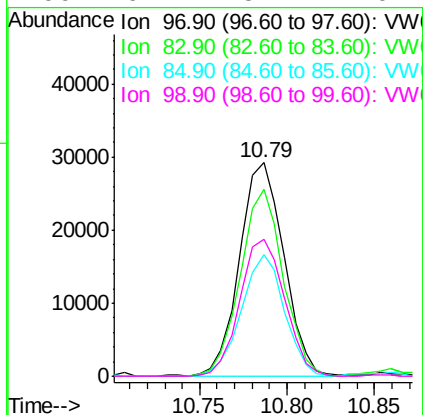
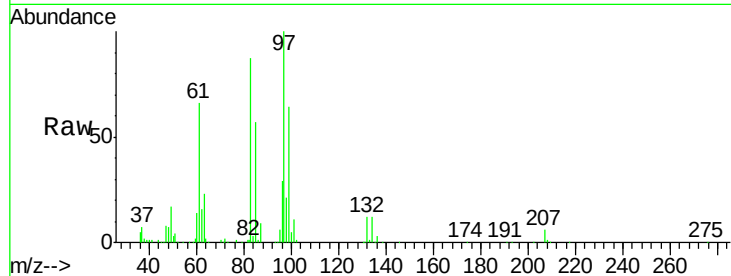
#55
 1,1,2-Trichloroethane
 Concen: 21.113 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion:	97	Resp:	51701
Ion	Ratio	Lower	Upper
97	100		
83	87.2	65.0	97.6
85	56.7	46.0	69.0
99	64.2	51.1	76.7

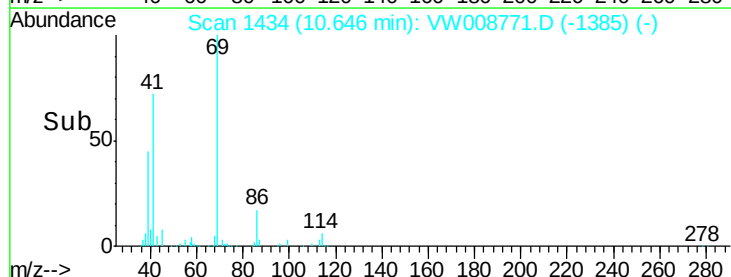
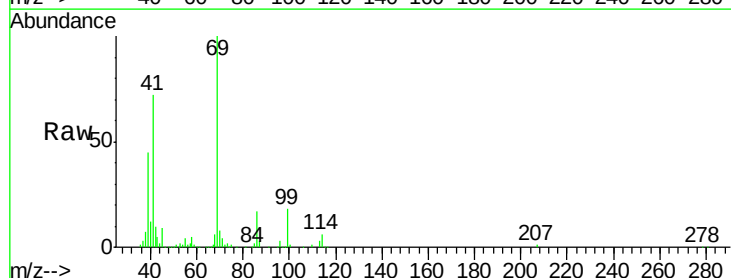
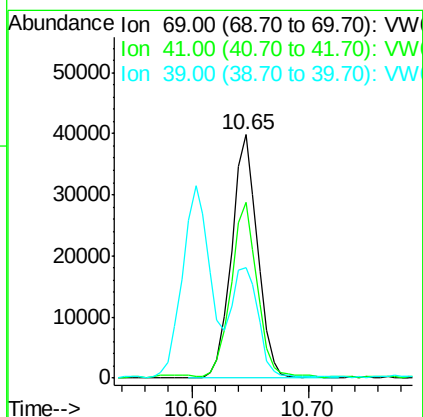
Manual Integrations
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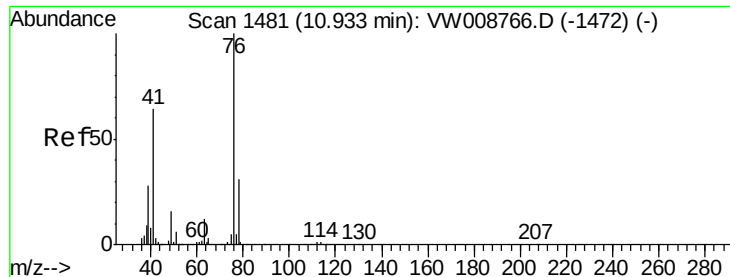
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 19.501 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Tgt Ion:	69	Resp:	62041
Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.4	86.0
39	44.6	34.8	52.2





#57

1,3-Dichloropropane

Concen: 21.273 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 76 Resp: 91975

Ion Ratio Lower Upper

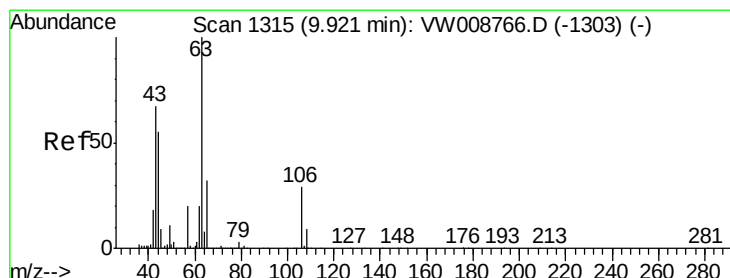
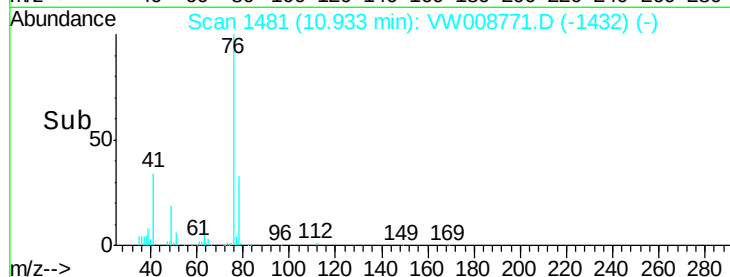
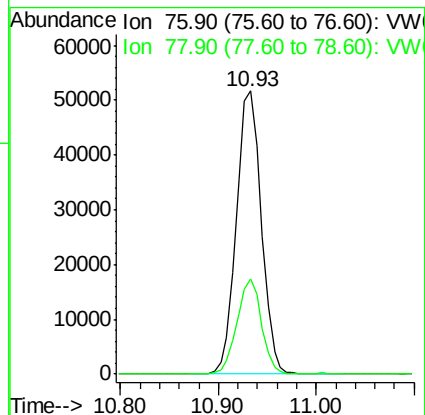
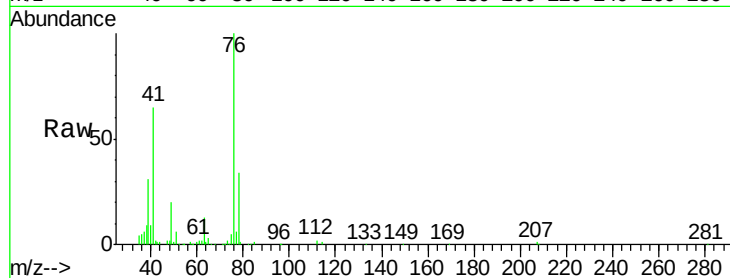
76 100

78 32.7 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 111.164 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW008771.D

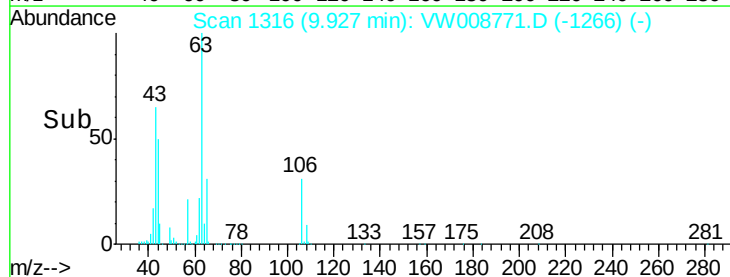
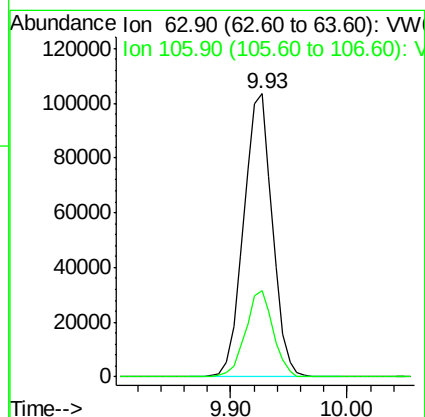
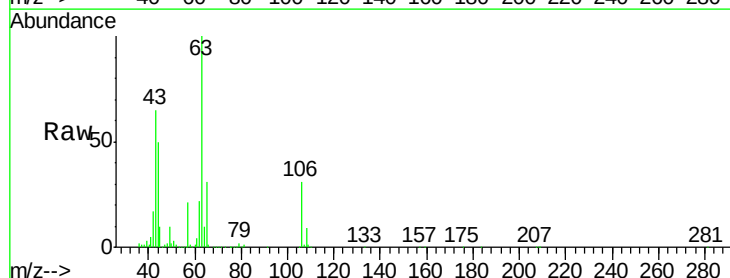
Acq: 21 Feb 2019 15:55

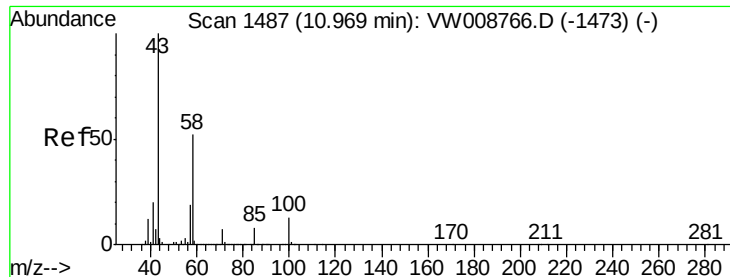
Tgt Ion: 63 Resp: 177875

Ion Ratio Lower Upper

63 100

106 29.5 24.0 36.0





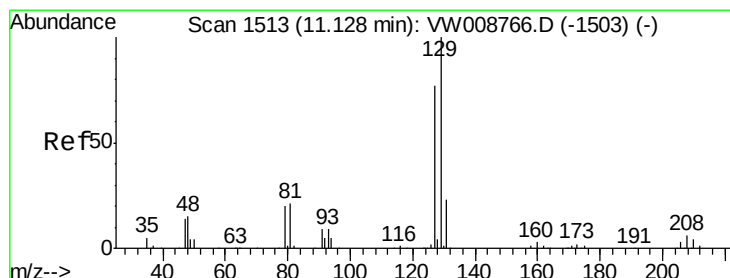
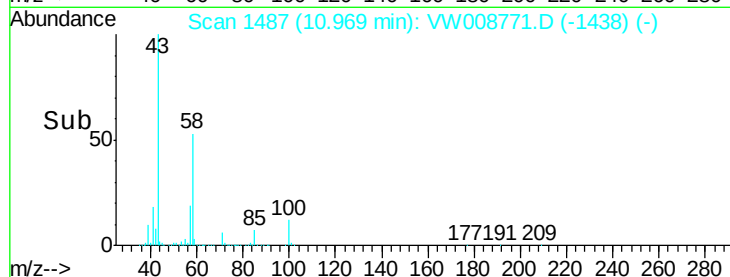
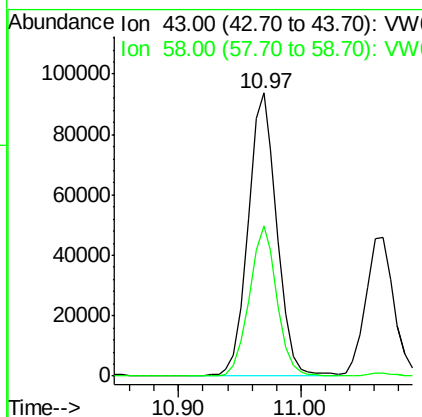
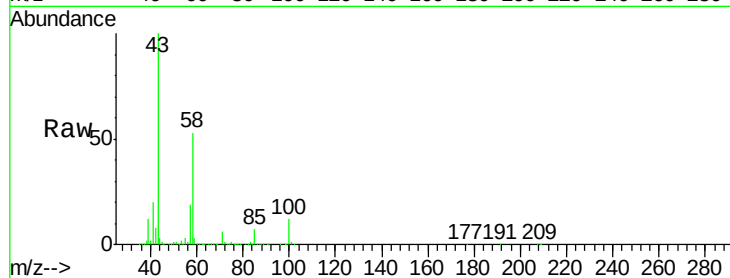
#59
2-Hexanone
Concen: 94.491 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.3	75.8

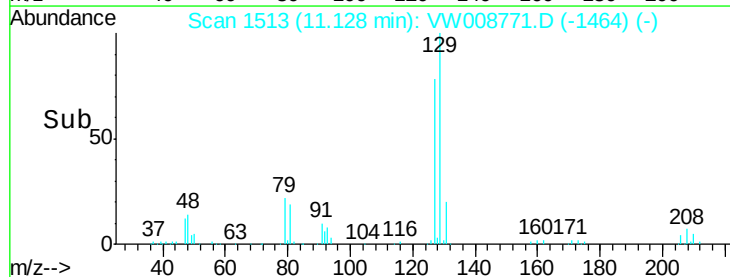
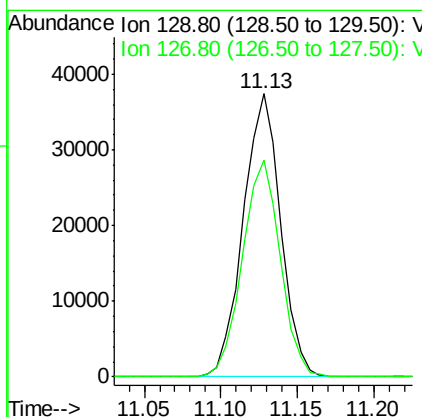
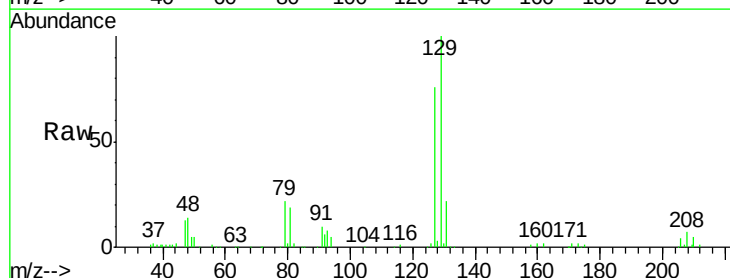
Manual Integrations
APPROVED

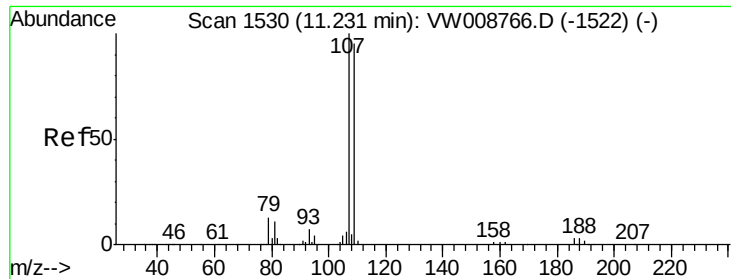
MMDadoda
2/22/2019 12:25:46 PM



#60
Dibromochloromethane
Concen: 21.292 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.0	116.9





#61

1,2-Dibromoethane

Concen: 21.260 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 107 Resp: 51533

Ion Ratio Lower Upper

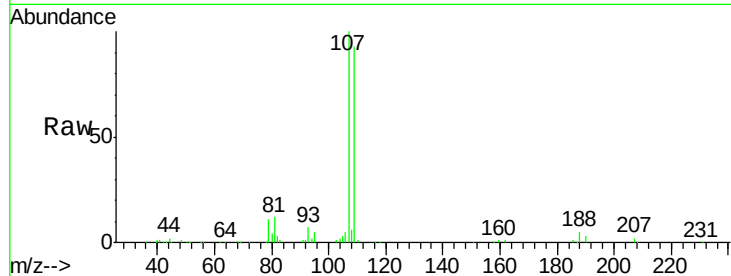
107 100

109 91.6 75.6 113.4

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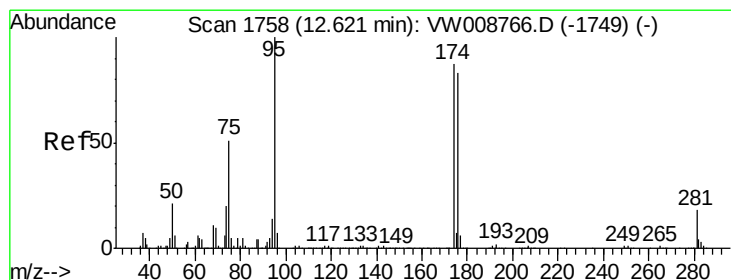
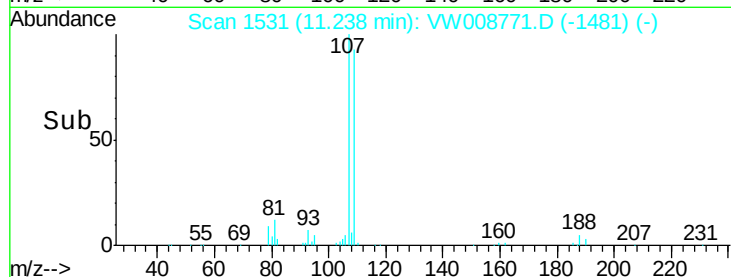
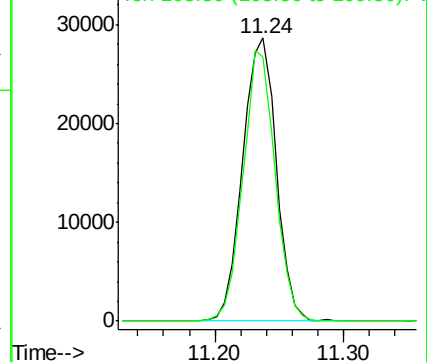
MMDadoda

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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: 49.141 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

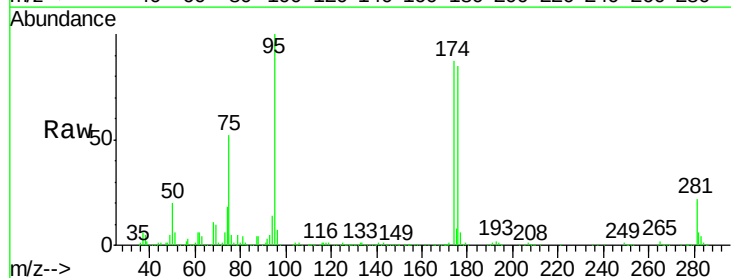
Tgt Ion: 95 Resp: 220422

Ion Ratio Lower Upper

95 100

174 85.2 0.0 169.2

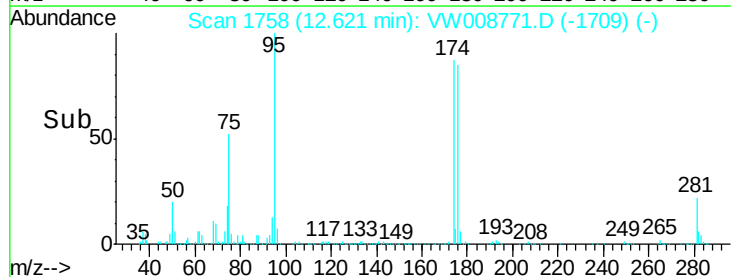
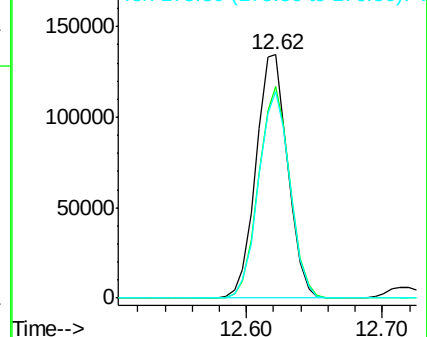
176 83.7 0.0 163.6

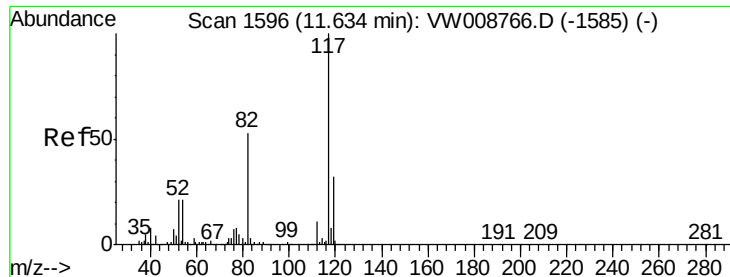


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





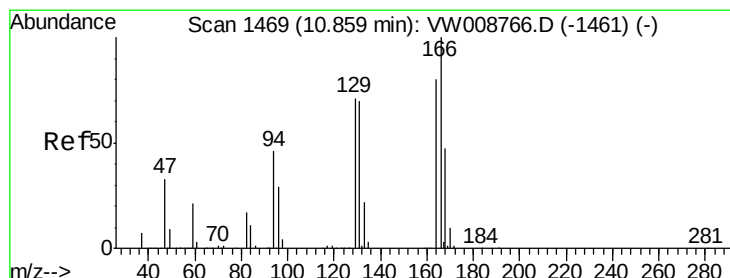
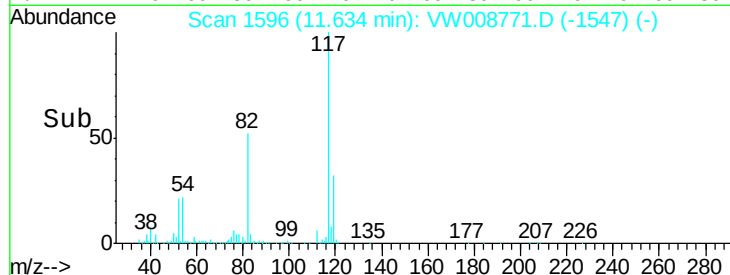
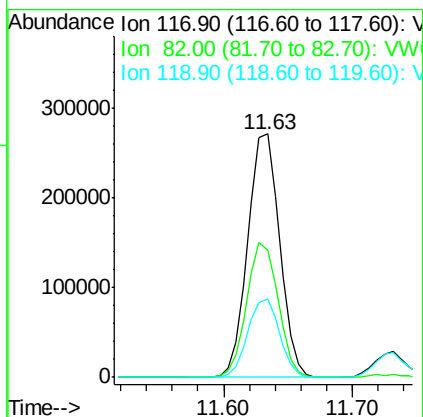
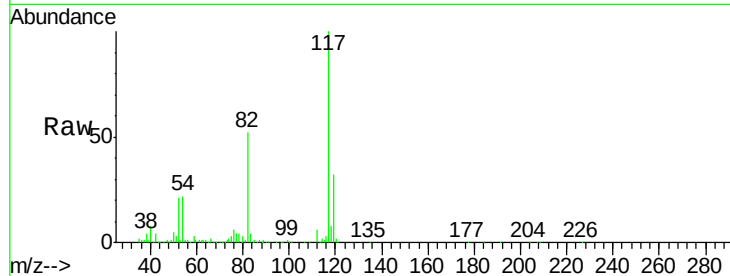
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	463830		
82	52.4		42.2	63.4
119	32.4		25.9	38.9

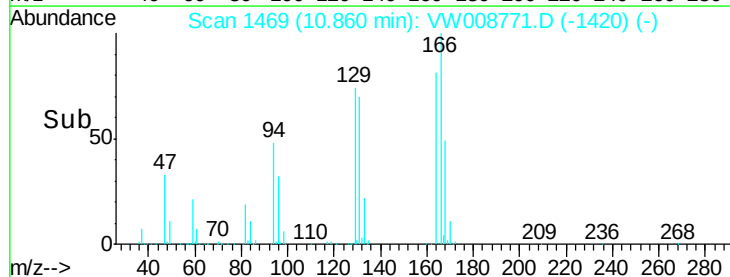
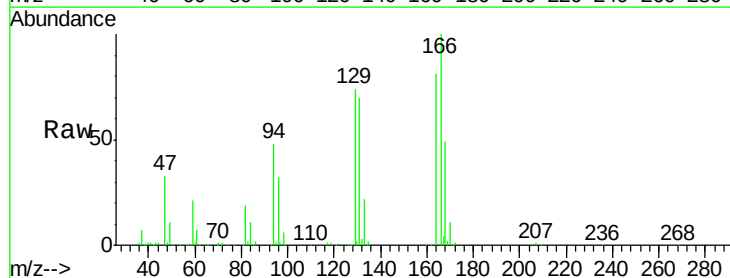
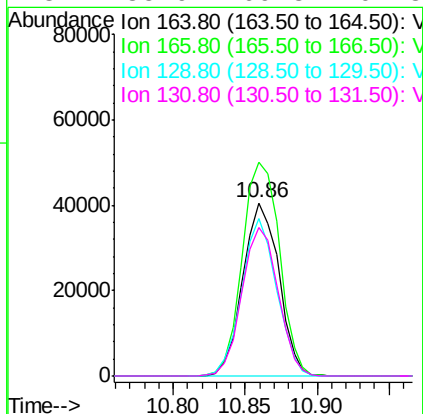
Manual Integrations
APPROVED

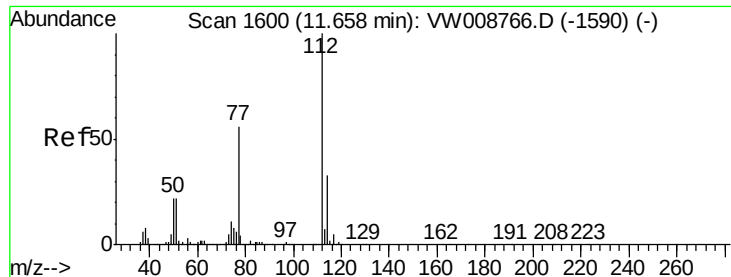
MMDadoda
2/22/2019 12:25:46 PM



#64
Tetrachloroethene
Concen: 21.142 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70194		
166	123.3		99.5	149.3
129	91.0		71.1	106.7
131	85.9		69.8	104.8





#65

Chlorobenzene

Concen: 20.884 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion:112 Resp: 203680

Ion Ratio Lower Upper

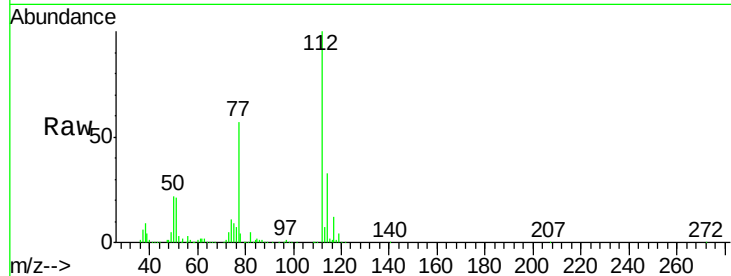
112 100

114 32.7 26.6 40.0

Manual Integrations
APPROVED

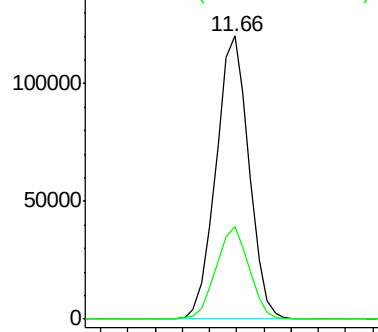
MMDadoda

2/22/2019 12:25:46 PM

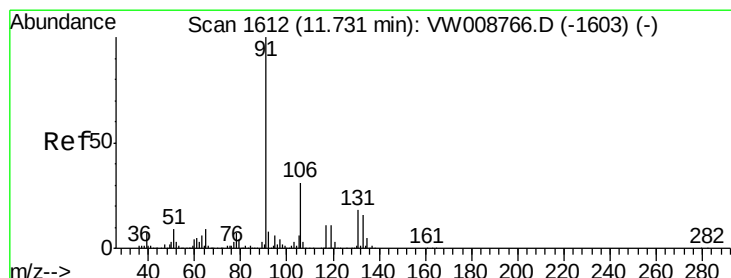
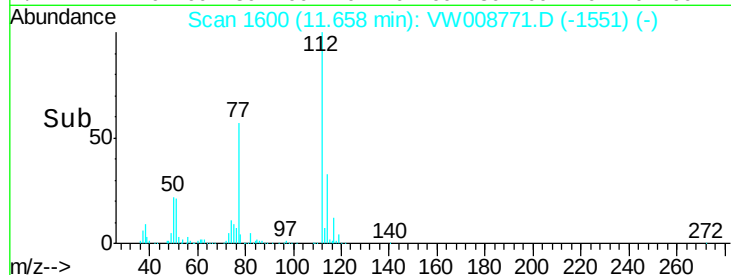


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.477 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

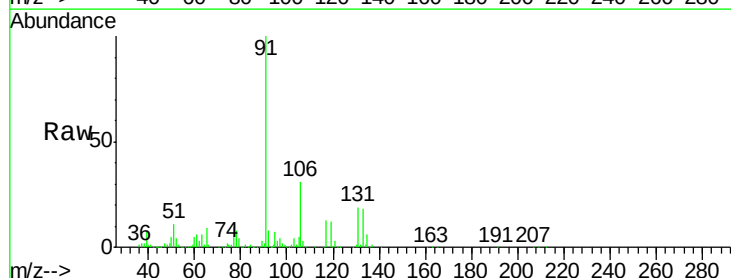
Tgt Ion:131 Resp: 70825

Ion Ratio Lower Upper

131 100

133 94.9 46.7 140.0

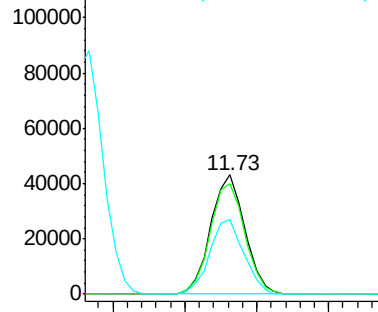
119 63.0 30.8 92.4



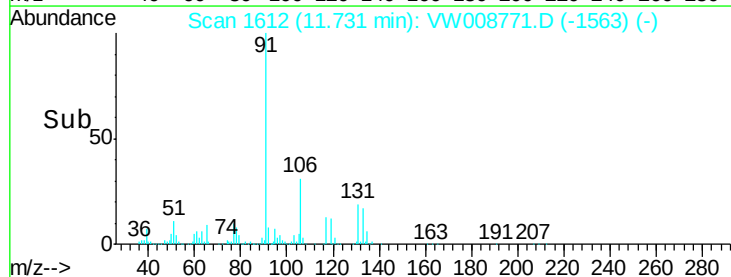
Abundance Ion 130.80 (130.50 to 131.50): V

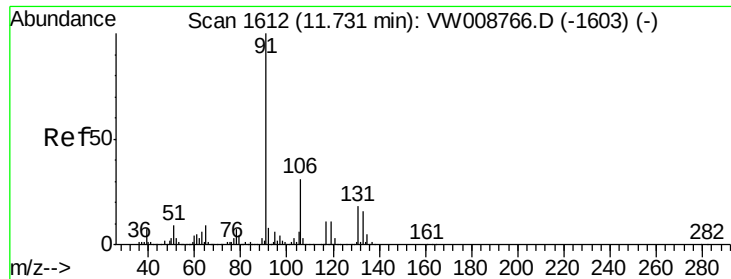
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





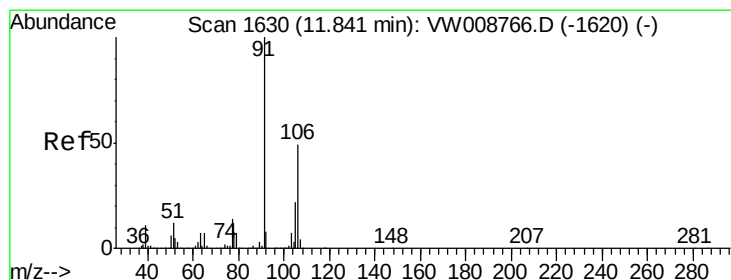
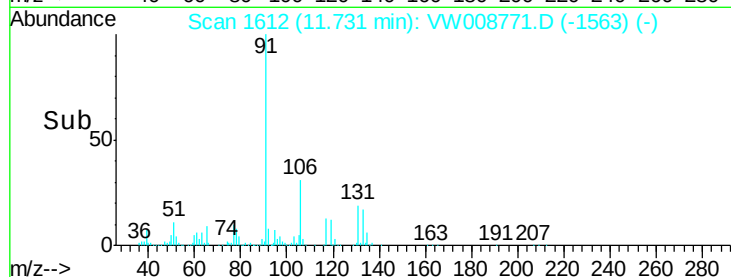
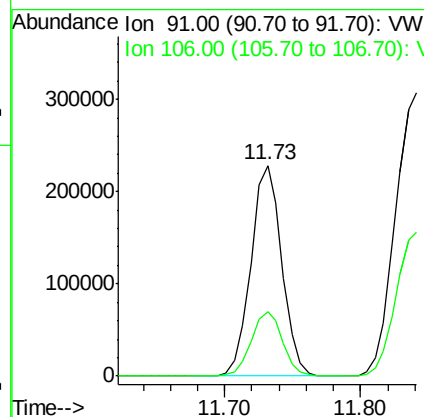
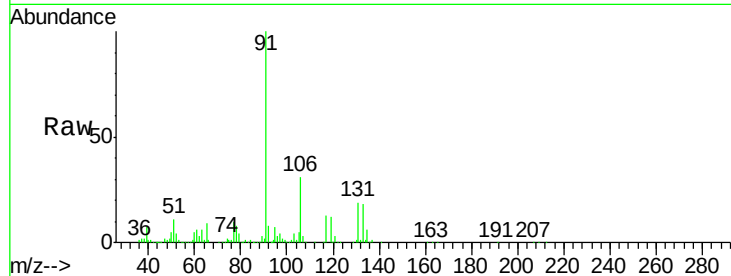
#67
Ethyl Benzene
Concen: 20.840 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.8	25.0	37.6	

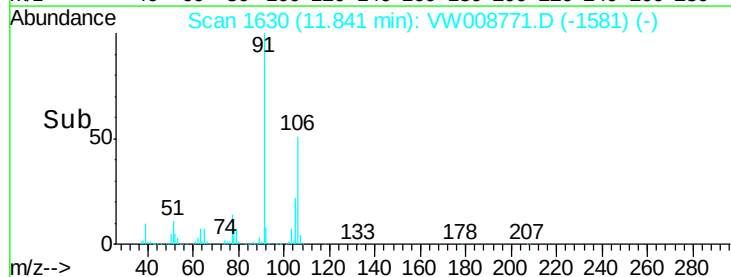
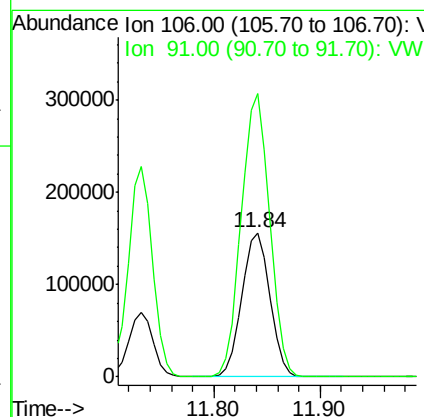
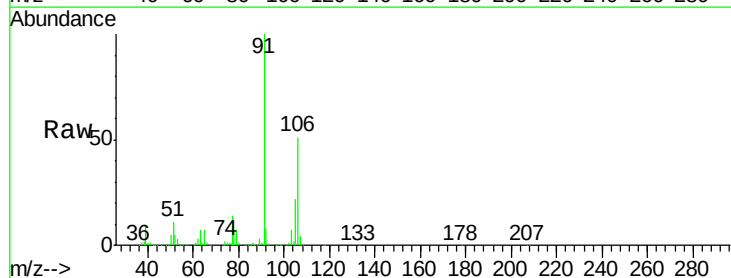
Manual Integrations
APPROVED

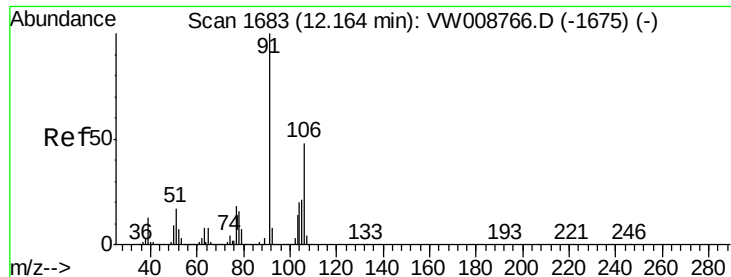
MMDadoda
2/22/2019 12:25:46 PM



#68
m/p-Xylenes
Concen: 41.766 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	198.0	161.5	242.3	





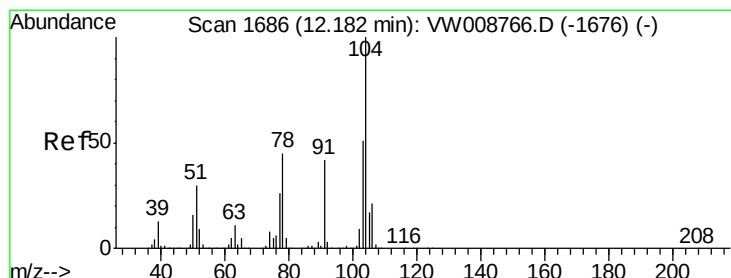
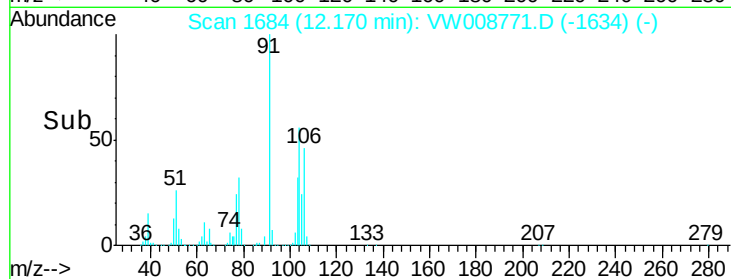
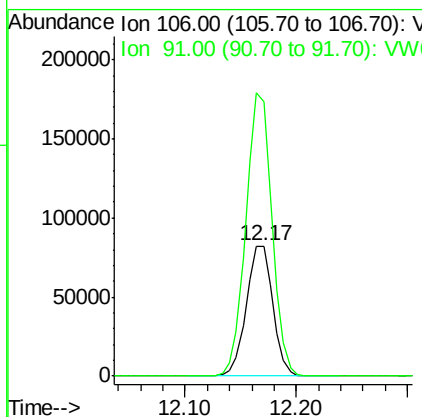
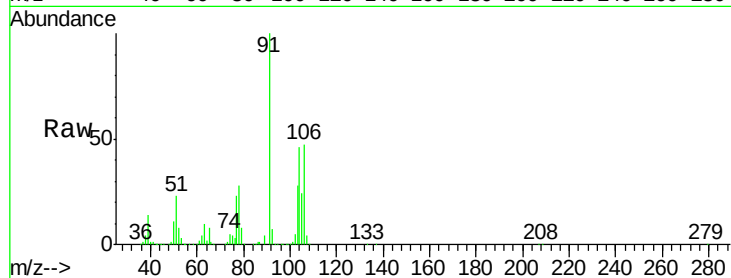
#69
o-Xylene
Concen: 20.820 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	136135		
91	91	214.5	106.2	318.6	

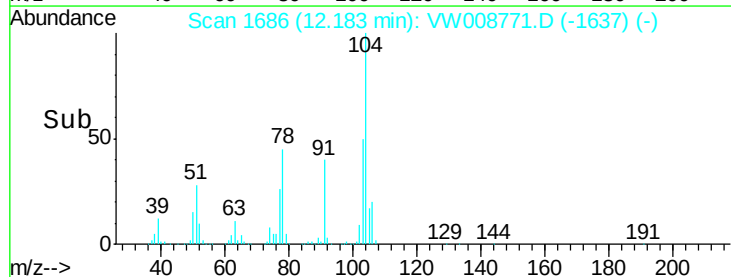
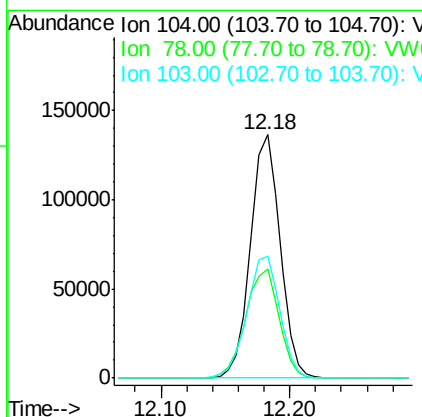
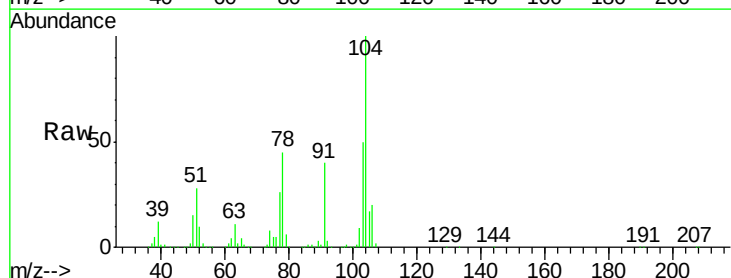
Manual Integrations
APPROVED

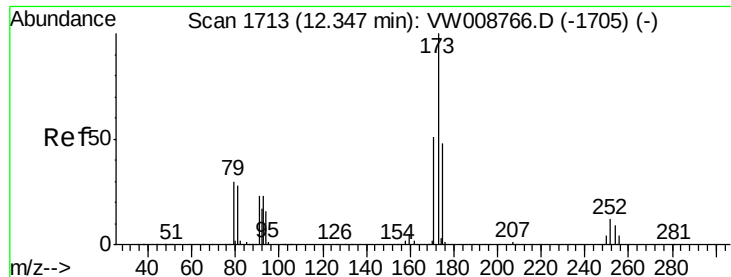
MMDadoda
2/22/2019 12:25:46 PM



#70
Styrene
Concen: 20.577 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	216458		
78	78	50.7	40.8	61.2	
103	103	55.7	44.2	66.2	





#71

Bromoform

Concen: 20.614 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

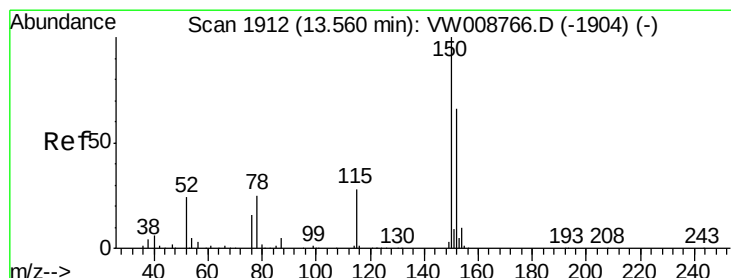
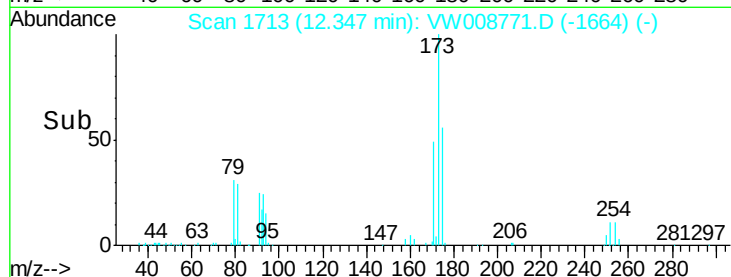
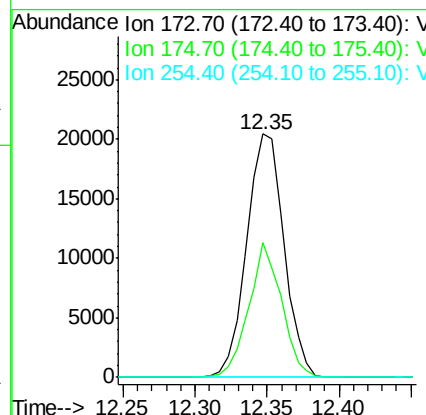
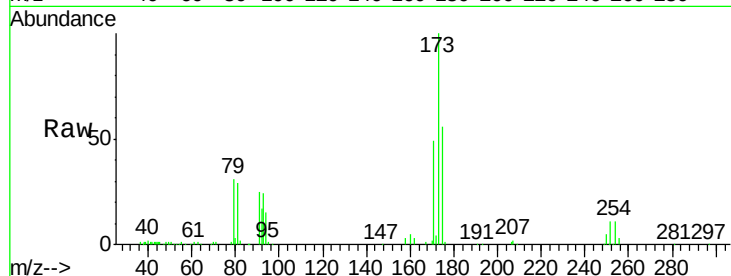
ClientSampleId :

VW0221SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.0	0.2	0.4

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

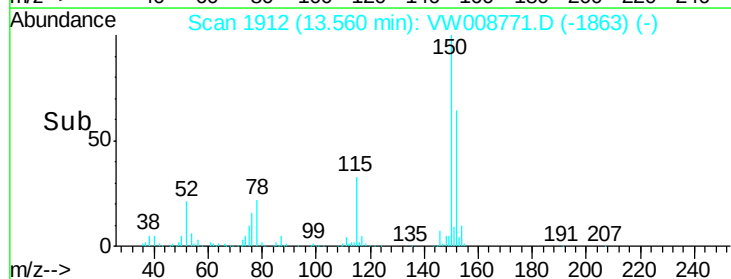
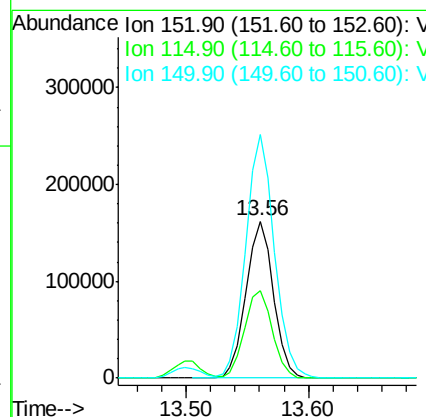
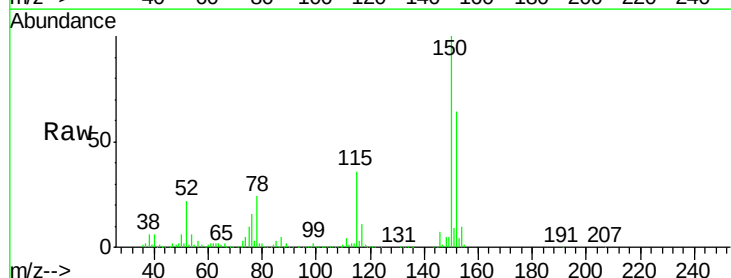
RT: 13.56 min Scan# 1912

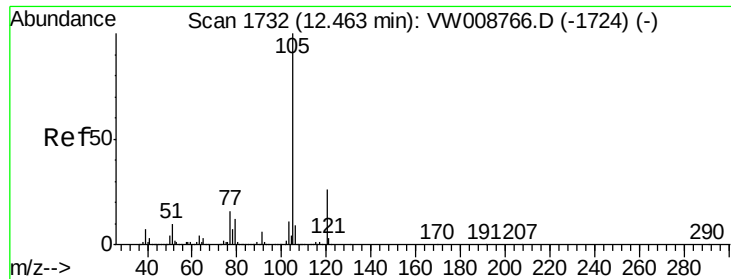
Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.6	85.8
150	161.6	0.0	348.0





#73

Isopropylbenzene

Concen: 21.218 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion: 105 Resp: 365933

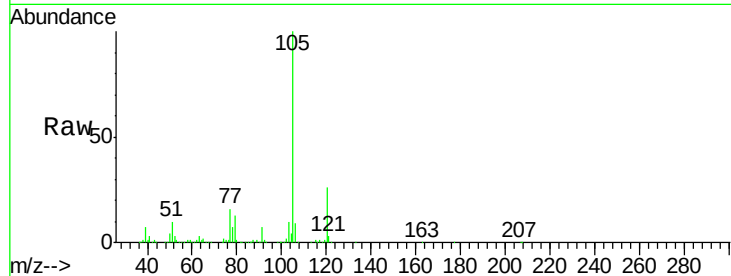
Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.9

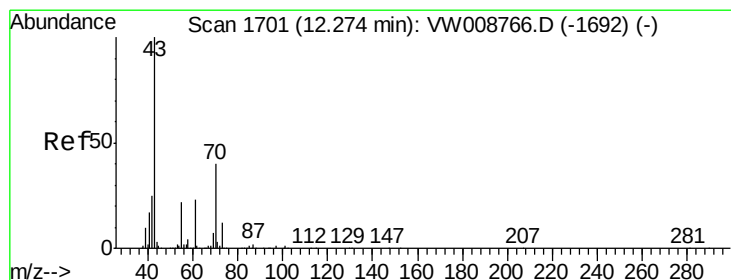
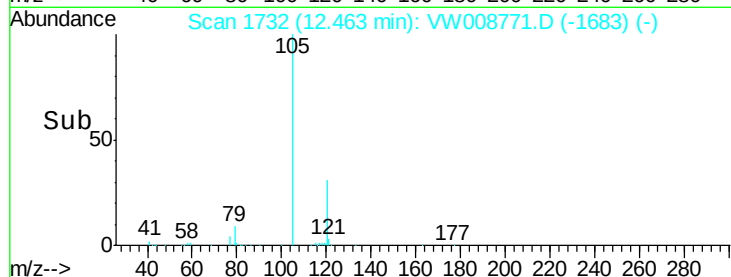
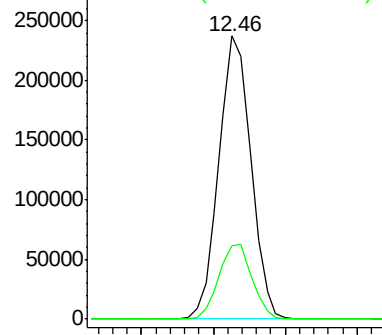
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.657 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Tgt Ion: 43 Resp: 81052

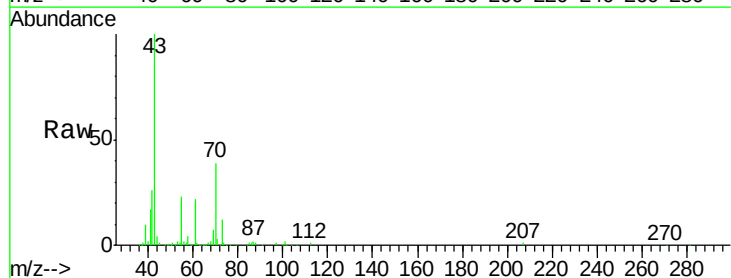
Ion Ratio Lower Upper

43 100

70 40.2 31.0 46.6

55 23.5 18.7 28.1

61 23.1 18.1 27.1

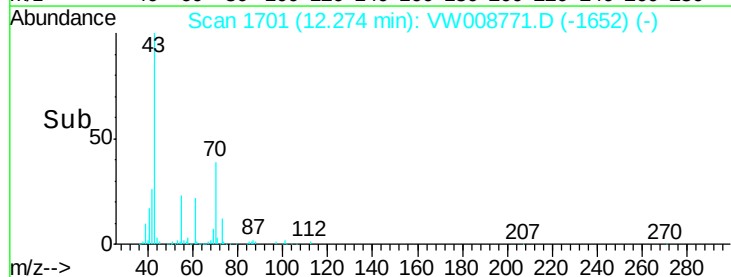
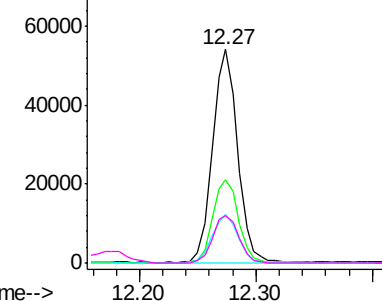


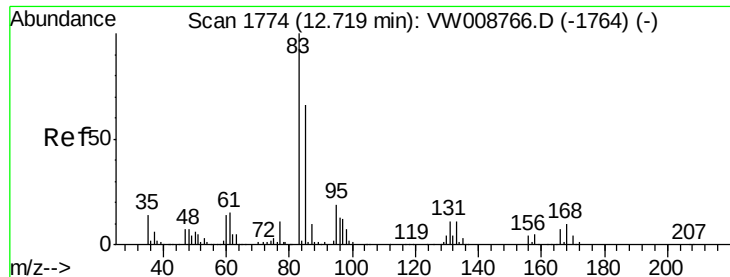
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.663 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

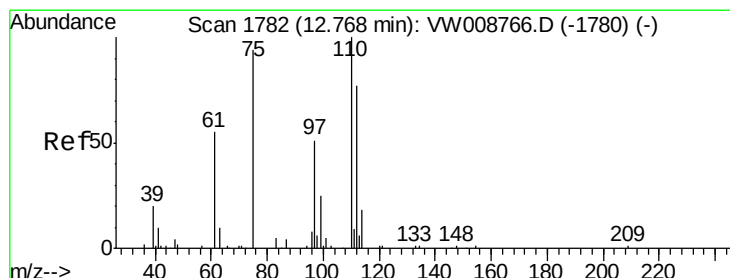
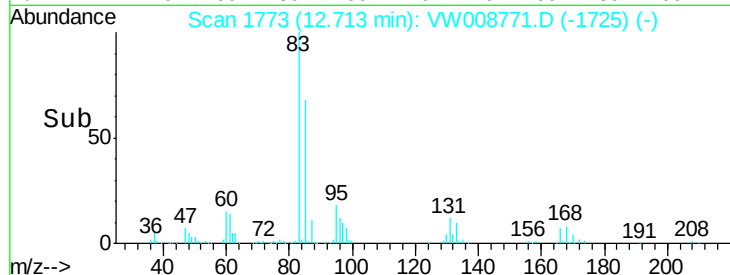
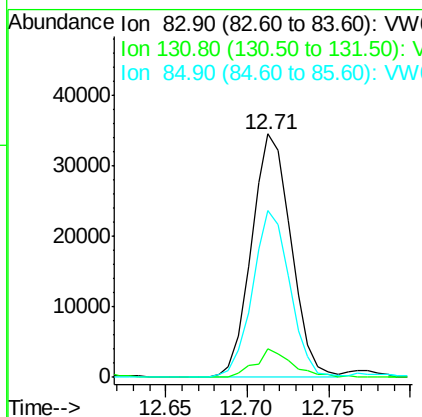
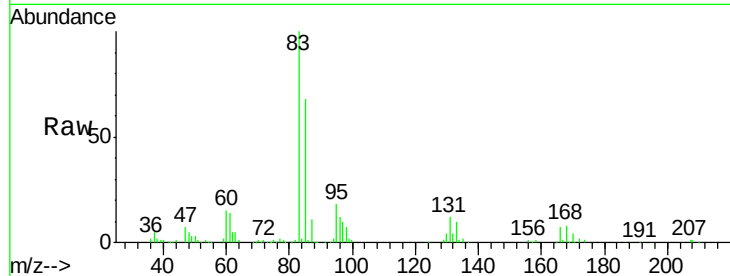
ClientSampleId :

VW0221SBS01

Tot Ion:	83	Resp:	58230
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.7
85	65.0	33.0	98.9

Manual Integrations
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2/22/2019 12:25:46 PM



#76

1,2,3-Trichloropropane

Concen: 20.097 ug/l m

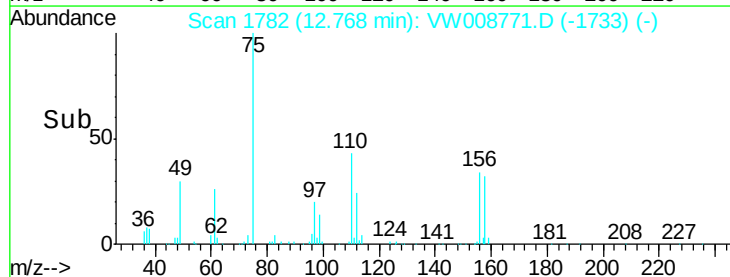
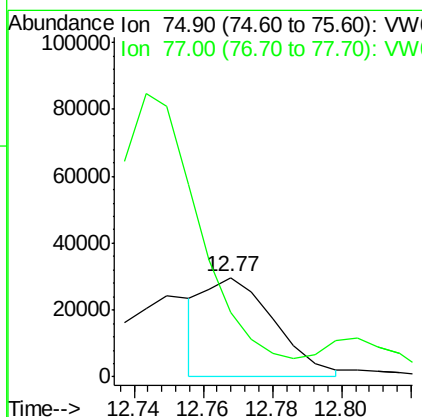
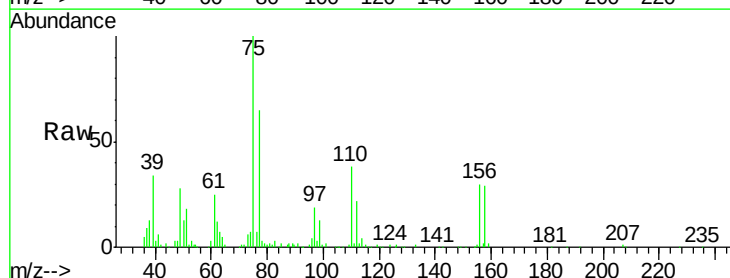
RT: 12.77 min Scan# 1782

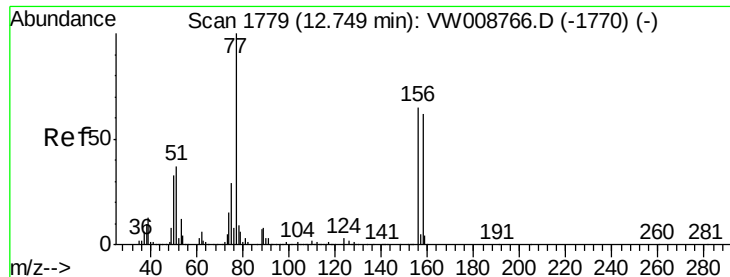
Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Tgt Ion:	75	Resp:	41743
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.592 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

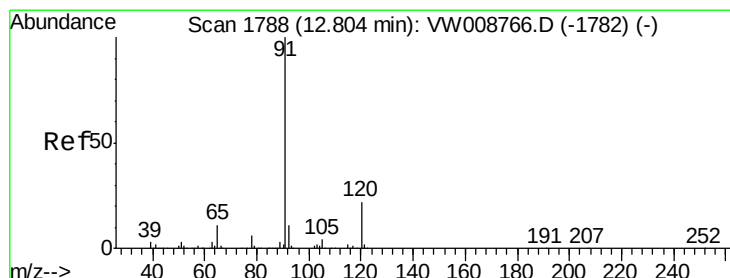
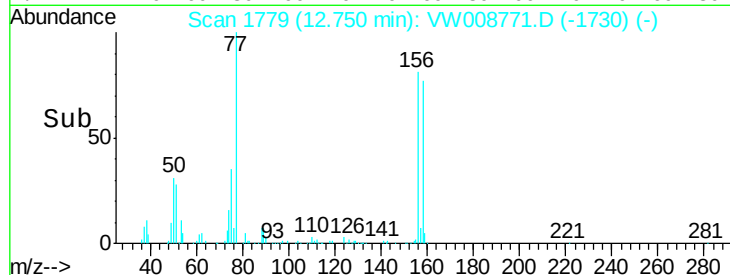
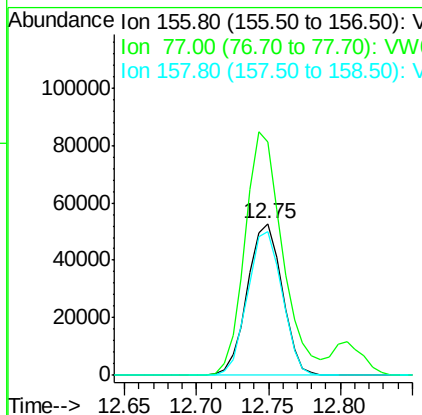
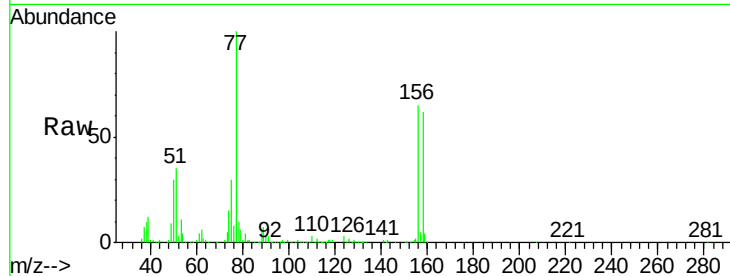
ClientSampled :

VW0221SBS01

Tot Ion:	156	Resp:	87998
Ion Ratio	Lower	Upper	
156	100		
77	173.7	89.1	267.4
158	94.6	49.2	147.6

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#78

n-propylbenzene

Concen: 21.286 ug/l

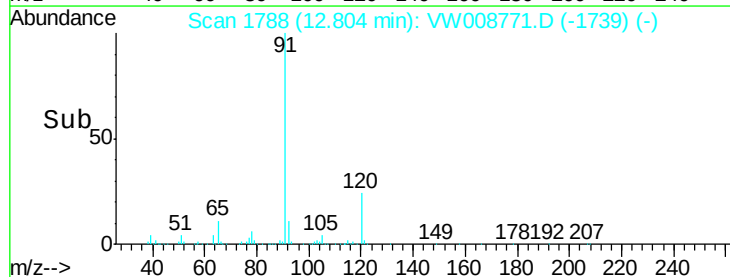
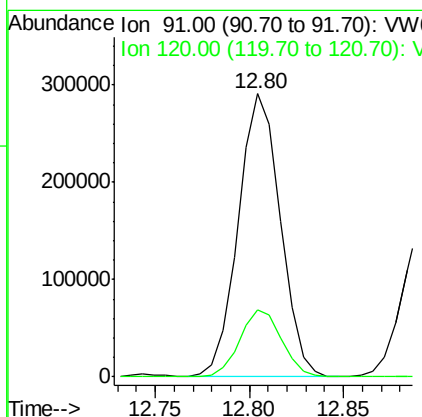
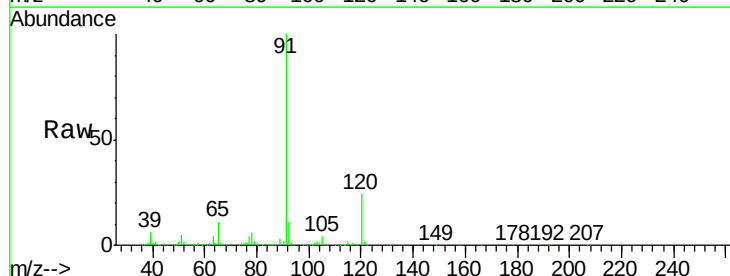
RT: 12.80 min Scan# 1788

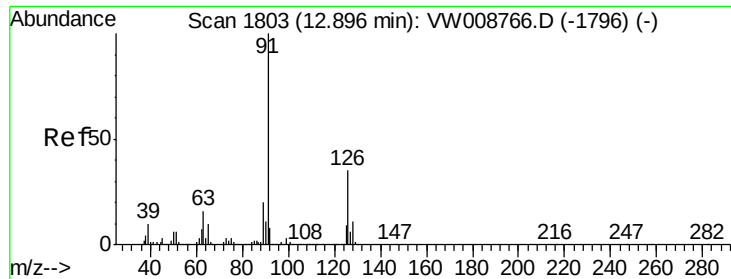
Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Tgt Ion:	91	Resp:	449074
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.5	34.4





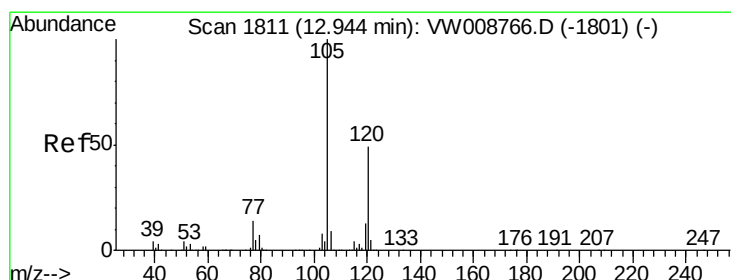
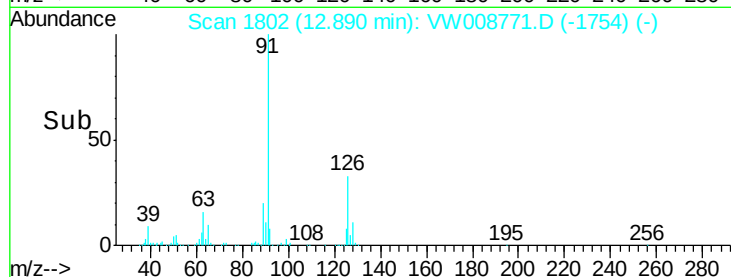
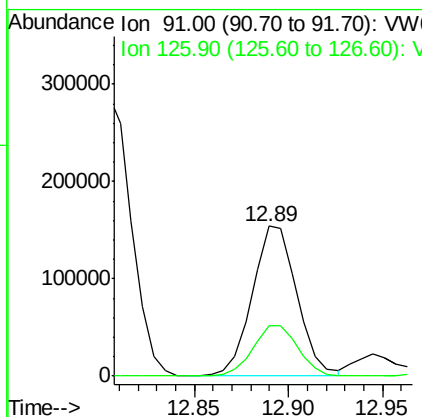
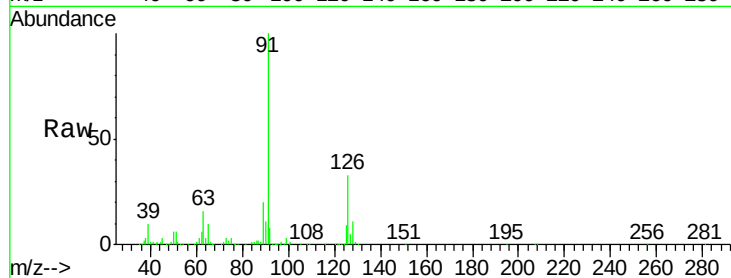
#79
 2-Chlorotoluene
 Concen: 21.139 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion: 91 Resp: 253200
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.0 51.0

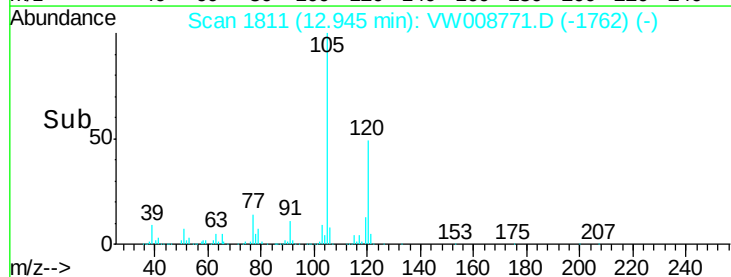
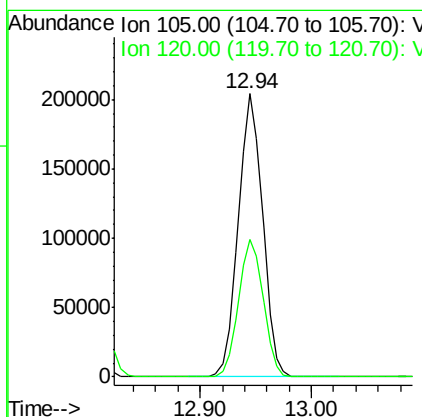
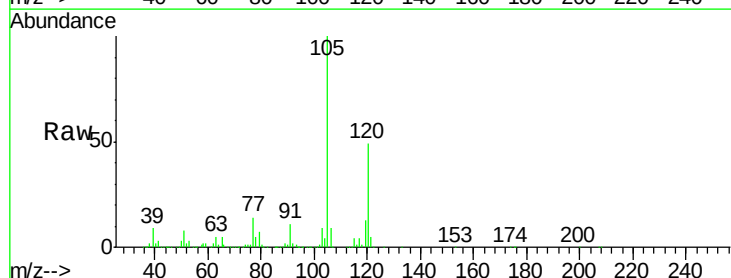
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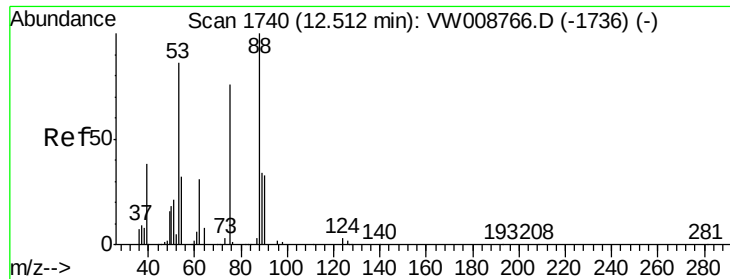
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.688 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Tgt Ion: 105 Resp: 310063
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.8 74.4





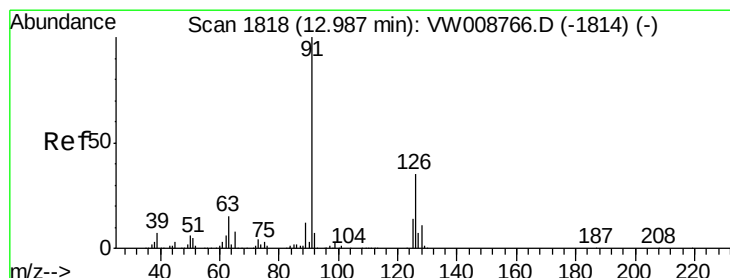
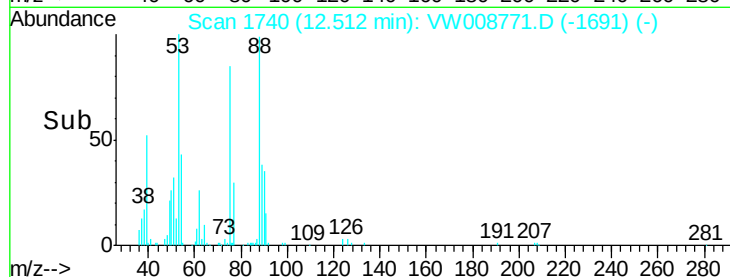
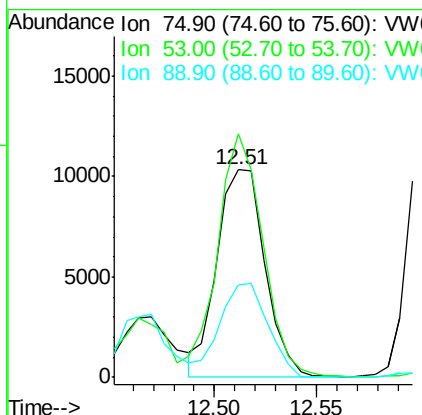
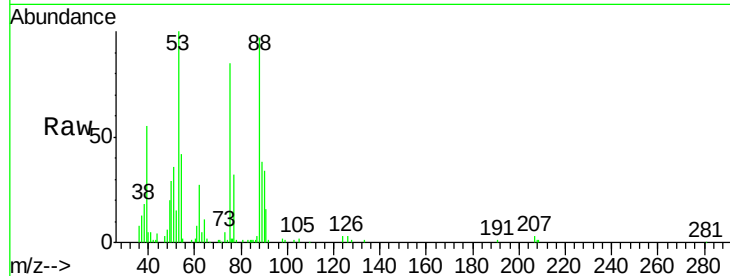
#81
trans-1,4-Dichloro-2-butene
Concen: 19.824 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.2	132.2
89	45.3	39.5	59.3

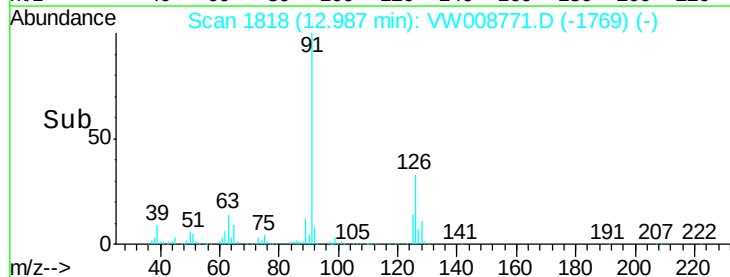
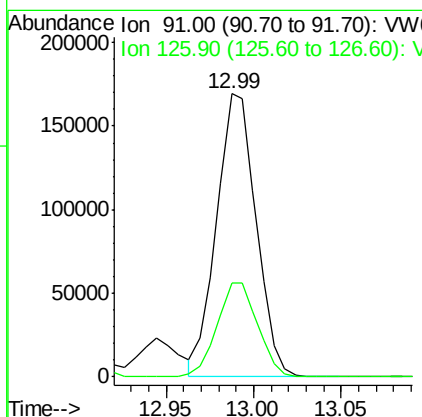
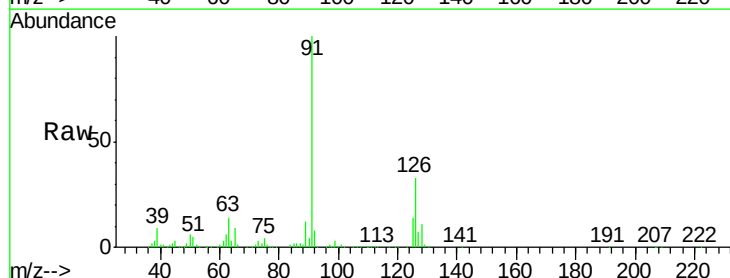
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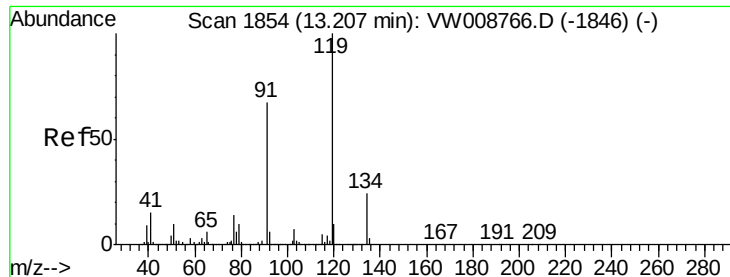
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#82
4-Chlorotoluene
Concen: 21.065 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.6





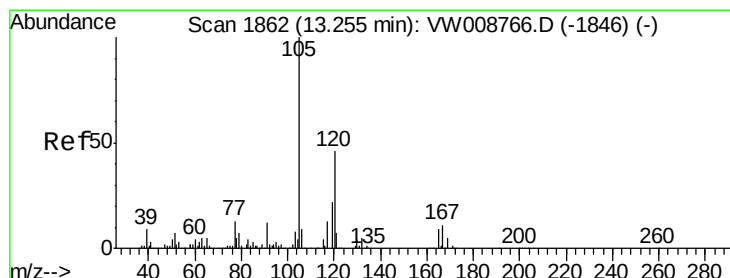
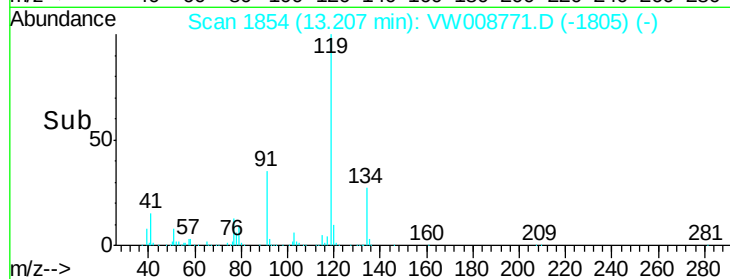
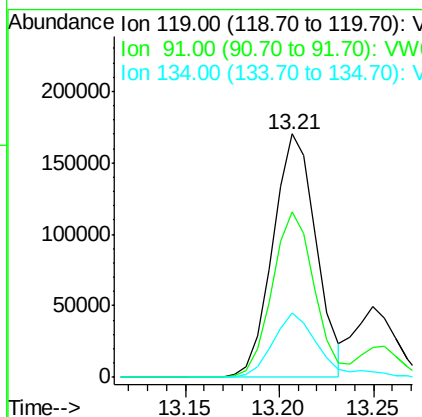
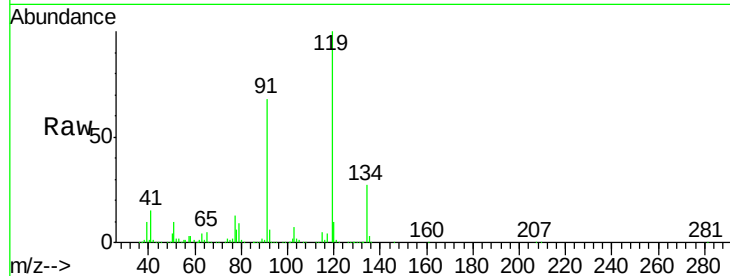
#83
 tert-Butylbenzene
 Concen: 20.896 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.6	100.8
134	28.2	13.7	41.1

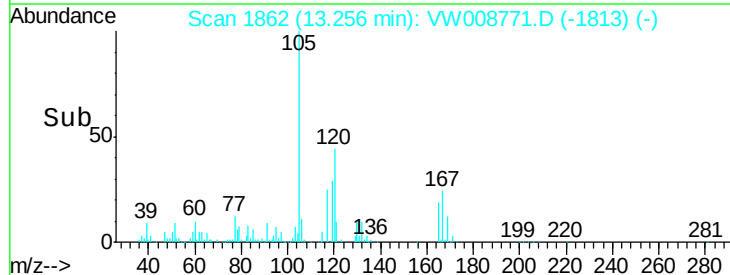
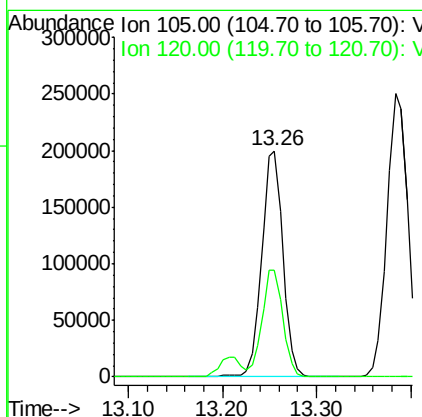
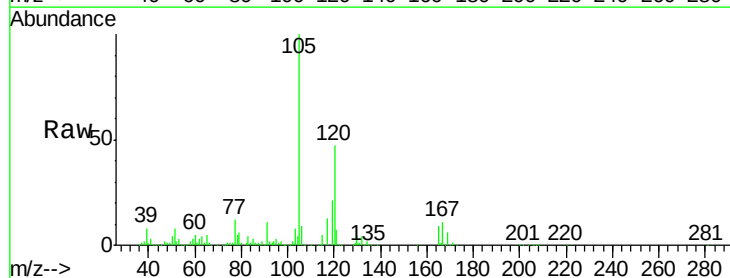
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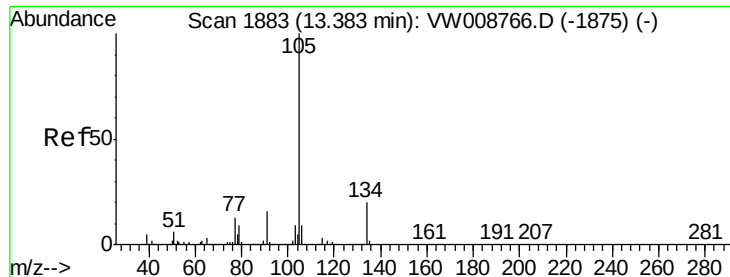
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.499 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.820 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VW0221SBS01

Tot Ion:105 Resp: 387971

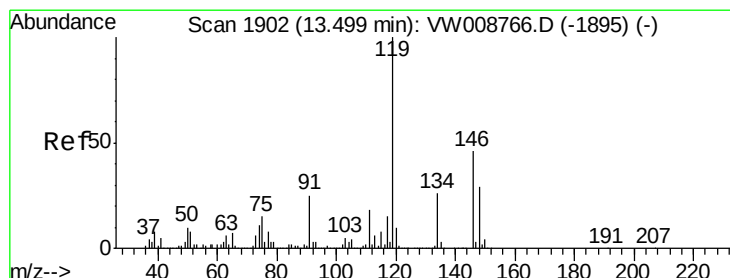
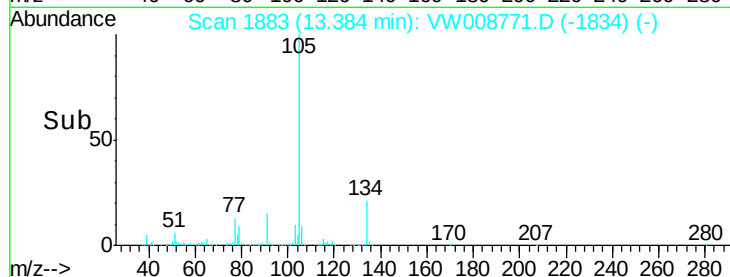
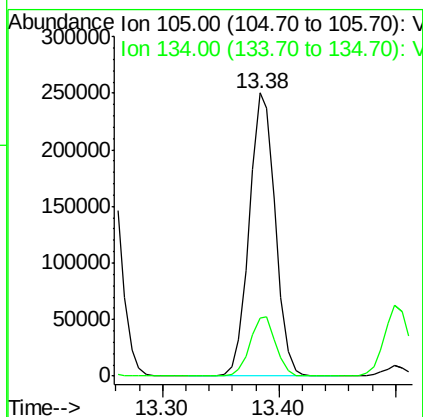
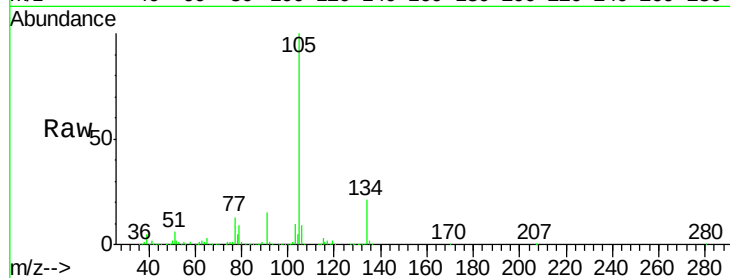
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.508 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

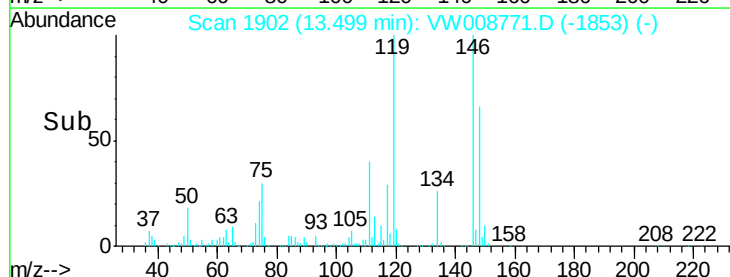
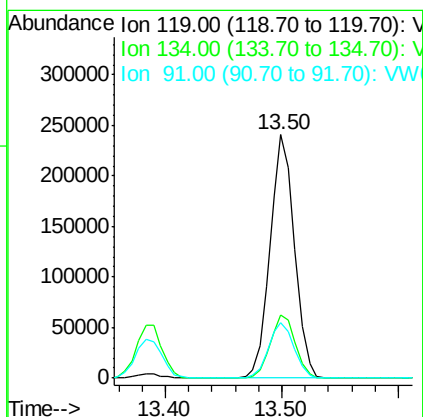
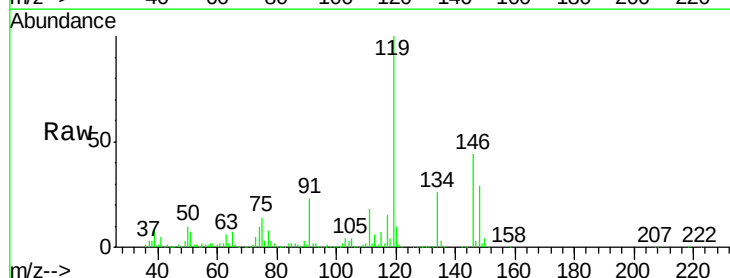
Tgt Ion:119 Resp: 350328

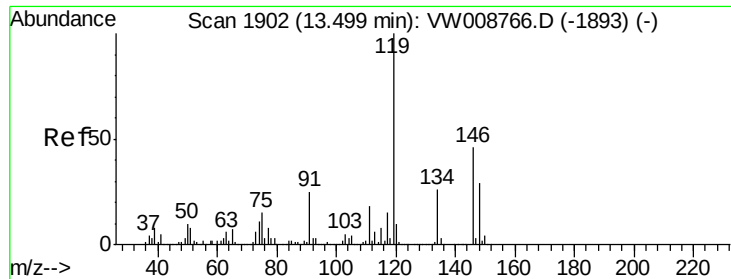
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 23.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 20.751 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Instrument :

MSVOA_W

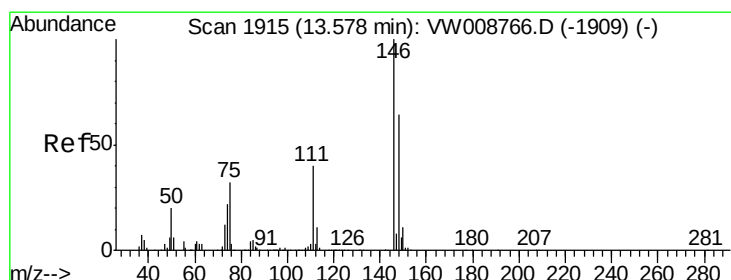
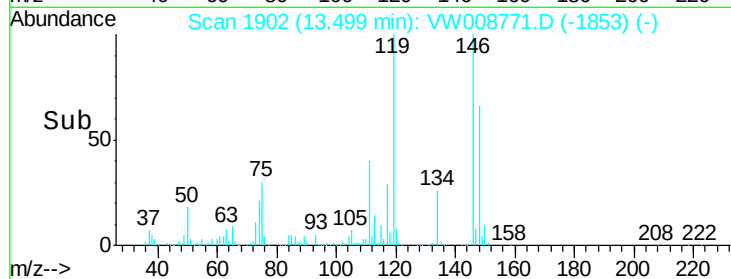
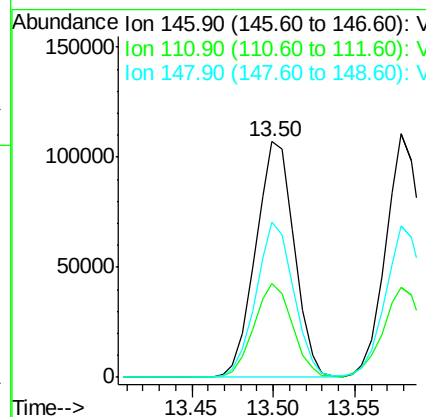
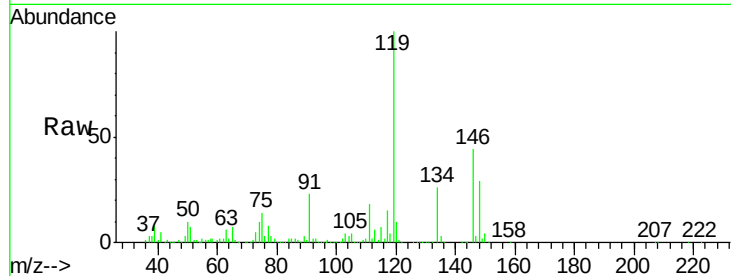
ClientSampleId :

VW0221SBS01

Tot Ion:	146	Resp:	175466
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.9	59.7
148	64.6	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.899 ug/l

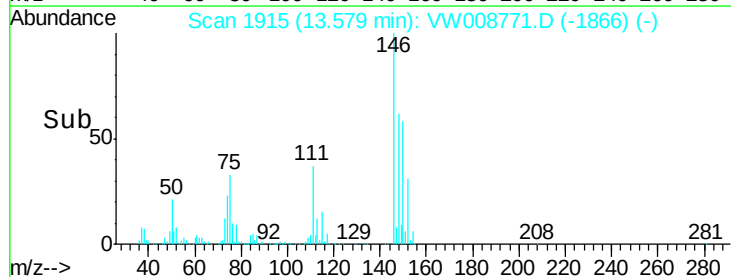
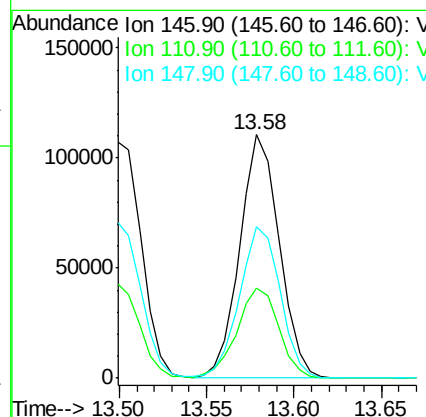
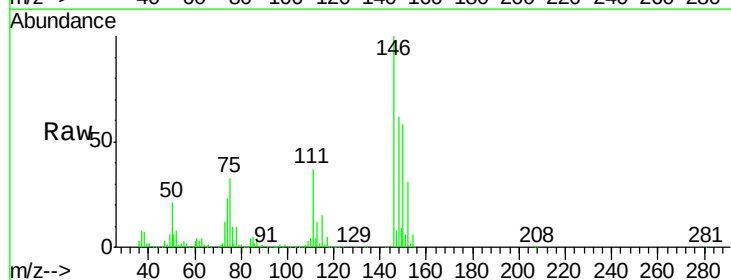
RT: 13.58 min Scan# 1915

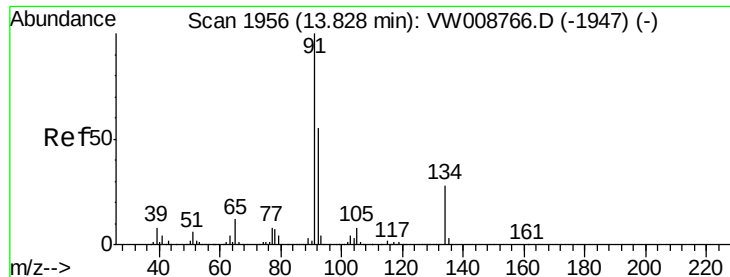
Delta R.T. 0.00 min

Lab File: VW008771.D

Acq: 21 Feb 2019 15:55

Tgt Ion:	146	Resp:	174173
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.3	57.9
148	64.3	31.9	95.9





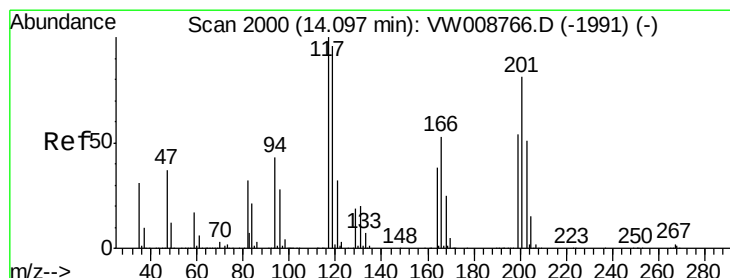
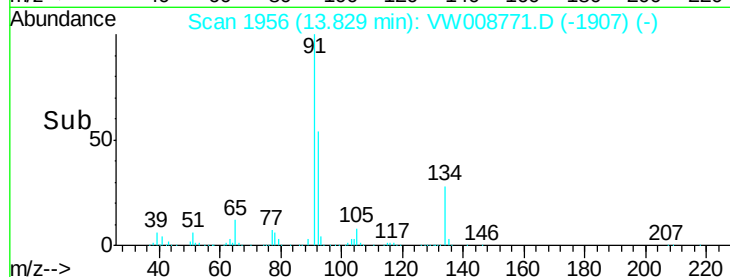
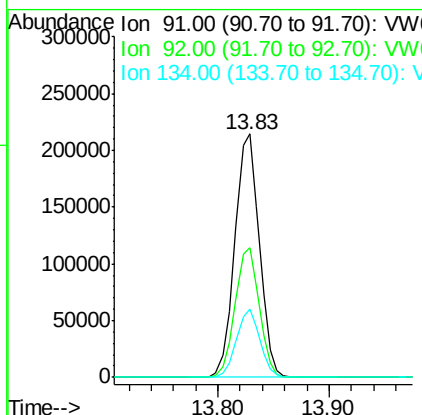
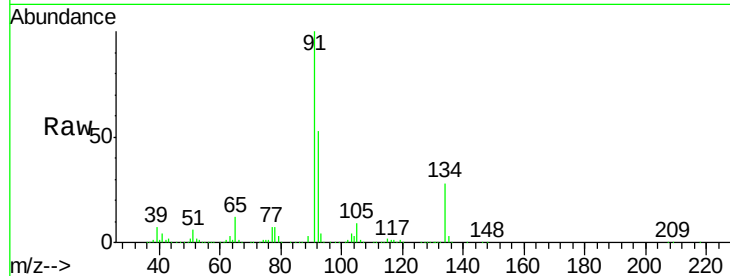
#89
n-Butylbenzene
Concen: 20.387 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		326267		
92	52.5	26.8		80.4	
134	26.8	13.5		40.4	

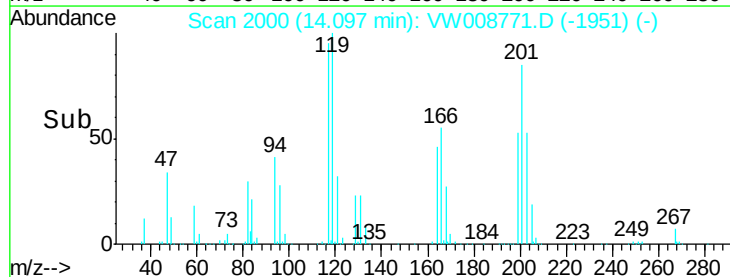
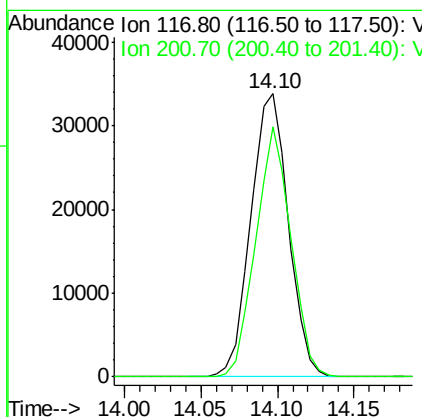
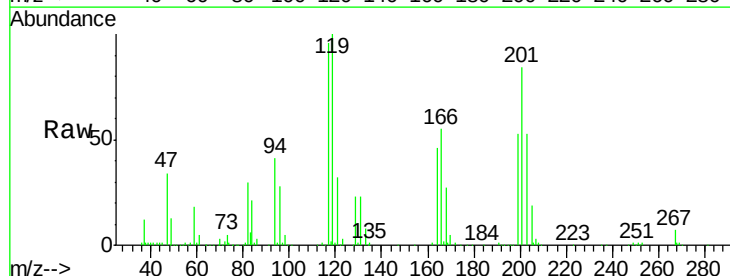
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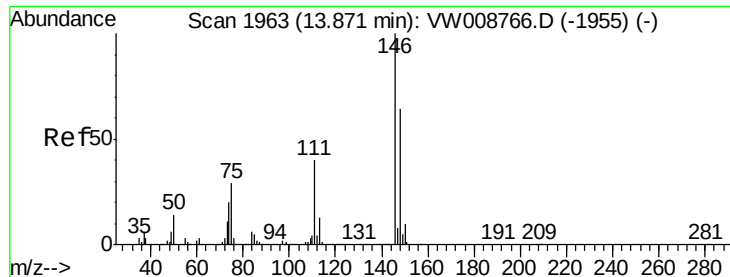
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#90
Hexachloroethane
Concen: 20.683 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		57839		
201	83.0	40.3		120.8	





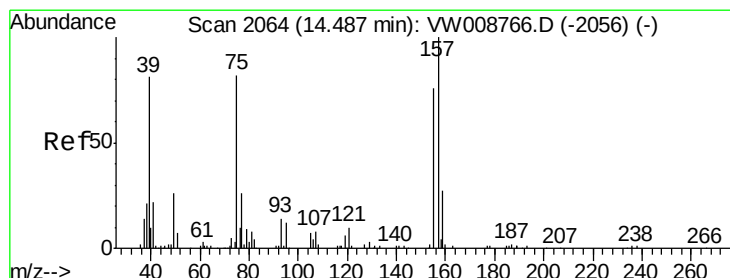
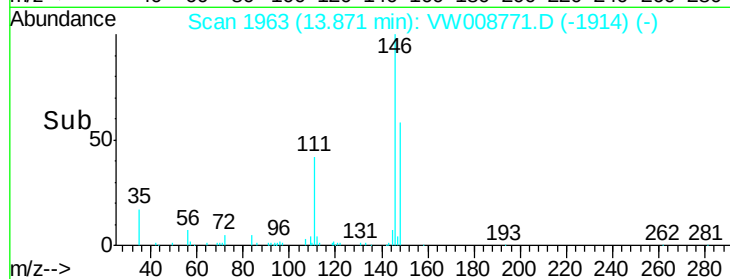
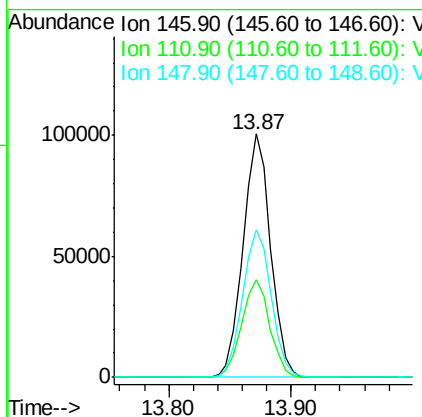
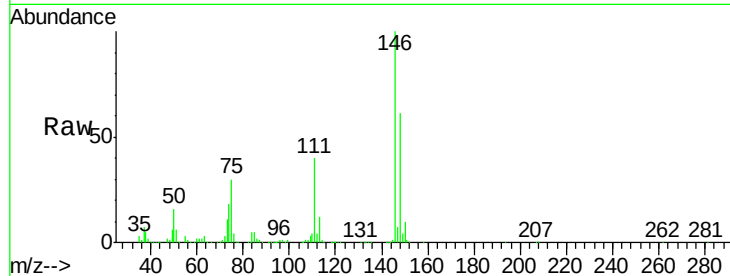
#91
 1,2-Dichlorobenzene
 Concen: 20.843 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.8
148	62.9	32.5	97.5

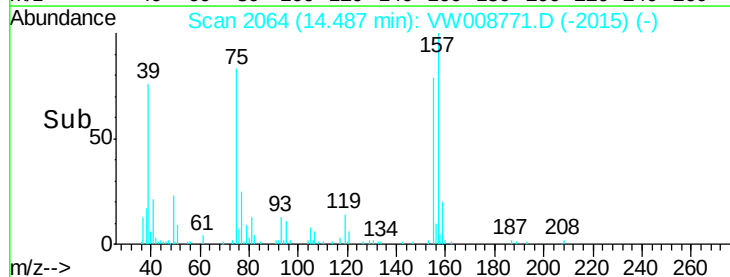
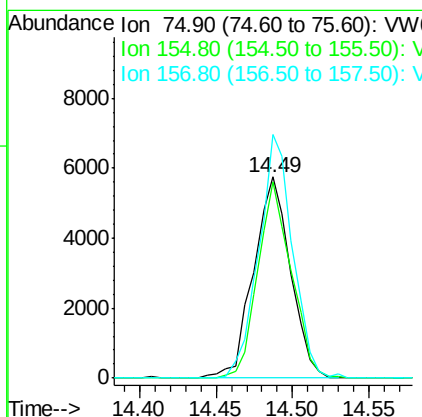
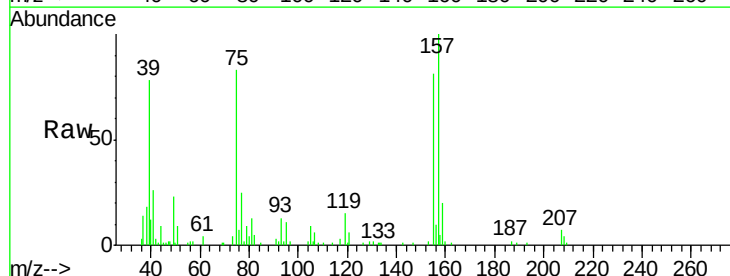
Manual Integrations
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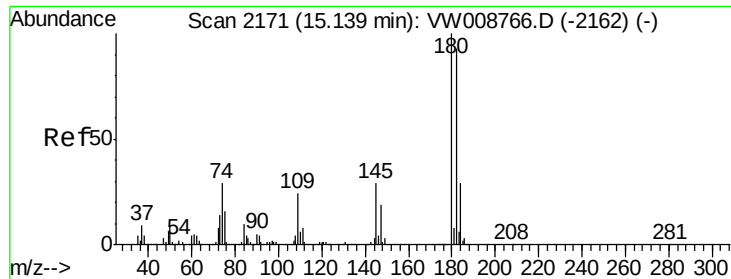
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.999 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	41.8	125.4
157	111.6	56.6	169.9





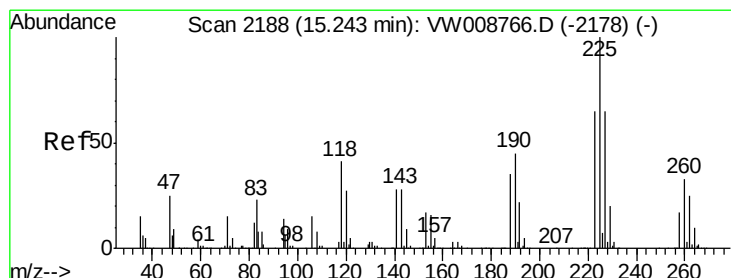
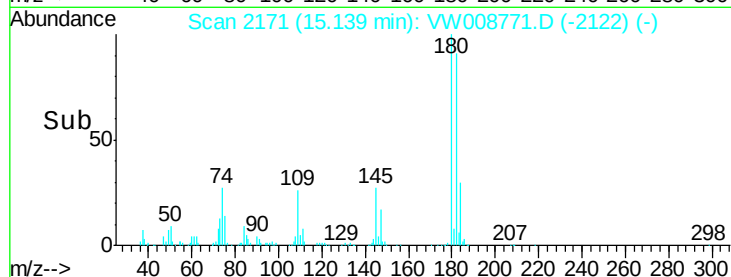
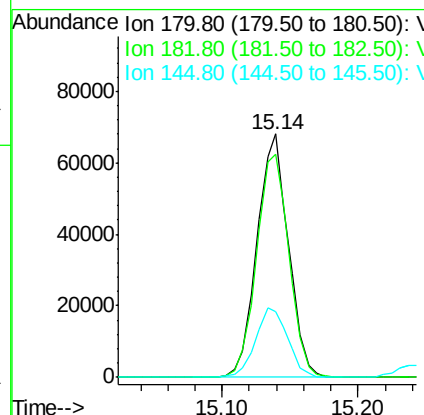
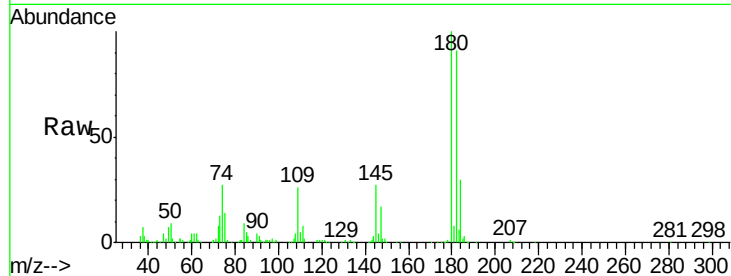
#93
 1,2,4-Trichlorobenzene
 Concen: 20.340 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110420		
182	94.4	47.2	141.6	
145	29.2	14.4	43.0	

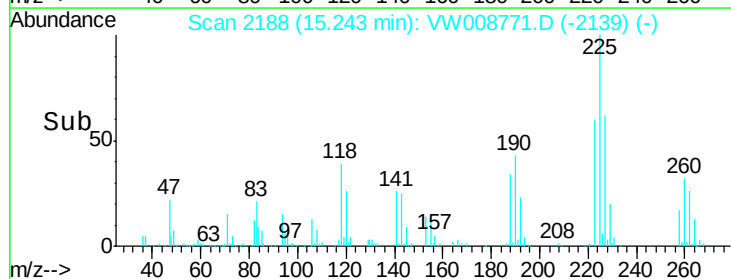
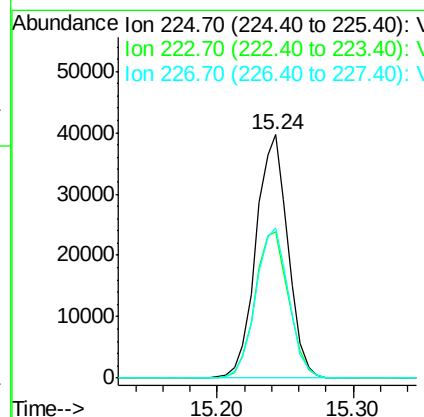
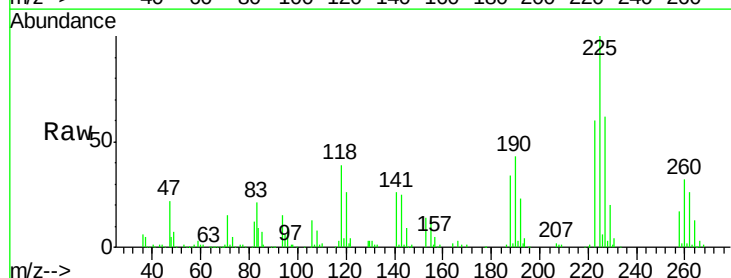
Manual Integrations
 APPROVED

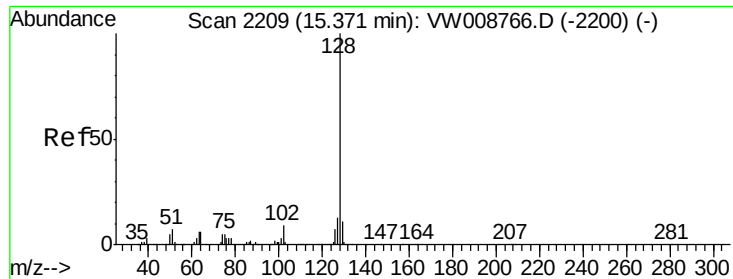
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 20.423 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008771.D
 Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65306		
223	63.1	31.5	94.5	
227	63.5	31.6	94.8	





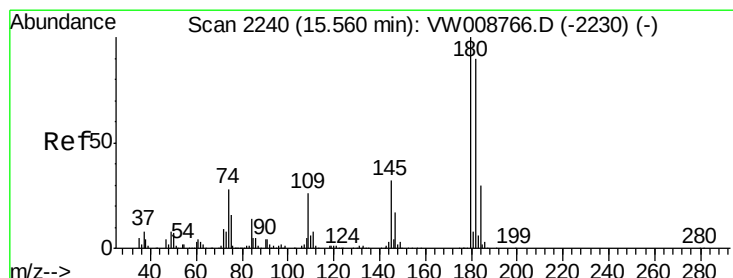
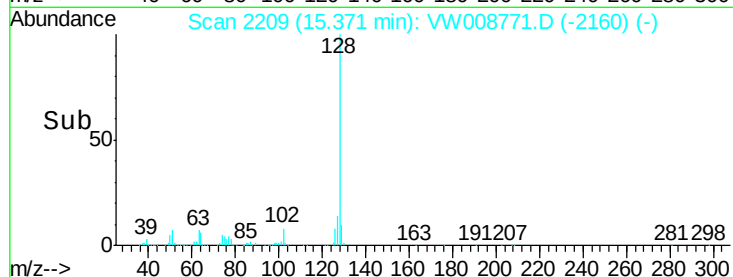
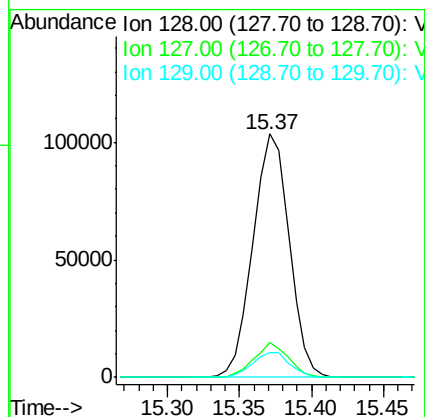
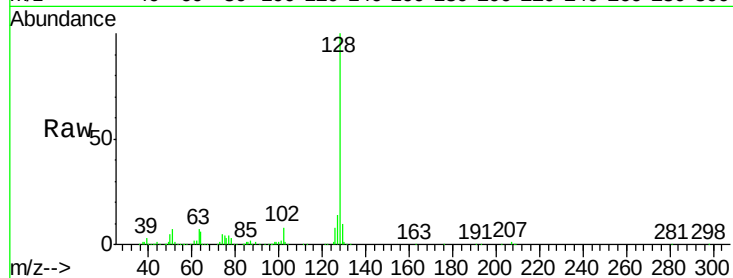
#95
Naphthalene
Concen: 19.529 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VW0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	180505		
127	13.7		10.8	16.2
129	10.6		8.7	13.1

Manual Integrations
APPROVED

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2/22/2019 12:25:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.996 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008771.D
Acq: 21 Feb 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	93858		
182	95.0		46.9	140.8
145	32.0		15.9	47.6

