

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007811.D
 Acq On : 21 Dec 2018 22:26
 Operator : SY/AP
 Sample : J6392-18MS
 Misc : 5.9G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:59:24 AM

Quant Time: Dec 22 01:44:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	64943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	42003	59.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.02%	
35) Dibromofluoromethane	7.88	113	36883	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
50) Toluene-d8	10.32	98	138908	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.62	95	53885	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24790	42.938	ug/l	93
3) Chloromethane	2.22	50	22825	64.383	ug/l	99
4) Vinyl Chloride	2.37	62	28263	62.628	ug/l	97
5) Bromomethane	2.78	94	18929	60.221	ug/l	97
6) Chloroethane	2.92	64	15548	64.398	ug/l	97
7) Trichlorofluoromethane	3.25	101	21162	45.041	ug/l	96
8) Diethyl Ether	3.67	74	18100	62.896	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33057	47.774	ug/l	97
10) Methyl Iodide	4.26	142	54974	49.958	ug/l	96
11) Tert butyl alcohol	5.18	59	15625	325.407	ug/l #	88
12) 1,1-Dichloroethene	4.03	96	32930	51.394	ug/l	96
13) Acrolein	3.88	56	8035	209.287	ug/l	99
14) Allyl chloride	4.66	41	43892	52.237	ug/l	94
15) Acrylonitrile	5.36	53	39774	324.009	ug/l	99
16) Acetone	4.12	43	42007	315.150	ug/l	95
17) Carbon Disulfide	4.37	76	92534	46.668	ug/l	99
18) Methyl Acetate	4.67	43	25753	81.240	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	60916	66.223	ug/l #	81
20) Methylene Chloride	4.91	84	35923	54.452	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	36253	51.445	ug/l	93
22) Diisopropyl ether	6.31	45	90574	57.568	ug/l	99
23) Vinyl Acetate	6.26	43	247430	264.699	ug/l	99
24) 1,1-Dichloroethane	6.21	63	62509	54.007	ug/l	97
25) 2-Butanone	7.17	43	52920	338.961	ug/l	97
26) 2,2-Dichloropropane	7.16	77	38474	45.426	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	40480	53.917	ug/l	100
28) Bromochloromethane	7.51	49	25144	63.715	ug/l	97
29) Tetrahydrofuran	7.53	42	32666	350.774	ug/l	98
30) Chloroform	7.67	83	68579	52.356	ug/l	97
31) Cyclohexane	7.95	56	54718	51.640	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	57947	48.574	ug/l	99
36) 1,1-Dichloropropene	8.08	75	52496	48.807	ug/l	98
37) Ethyl Acetate	7.26	43	22745	61.274	ug/l	98
38) Carbon Tetrachloride	8.07	117	53311	42.086	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	67318	50.368	ug/l	97
40) Benzene	8.32	78	144780	50.443	ug/l	99
41) Methacrylonitrile	7.48	41	13515	64.128	ug/l	94
42) 1,2-Dichloroethane	8.40	62	49124	51.072	ug/l	97
43) Isopropyl Acetate	8.43	43	50775	68.275	ug/l	94
44) Trichloroethene	9.09	130	41788	48.144	ug/l	100
45) 1,2-Dichloropropane	9.37	63	33313	52.308	ug/l	94
46) Dibromomethane	9.46	93	20419	52.084	ug/l	99
47) Bromodichloromethane	9.64	83	50252	48.758	ug/l	94
48) Methyl methacrylate	9.44	41	22530m	60.693	ug/l	
49) 1,4-Dioxane	9.44	88	7896	1270.357	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	113620	323.278	ug/l	100
52) Toluene	10.39	92	98973	51.396	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	53077	51.775	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	57907	51.139	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	32819	60.724	ug/l	97
56) Ethyl methacrylate	10.65	69	38714	60.628	ug/l	96
57) 1,3-Dichloropropane	10.93	76	49968	55.677	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	93073	319.239	ug/l	100
59) 2-Hexanone	10.97	43	83187	336.554	ug/l	98
60) Dibromochloromethane	11.13	129	33974	47.476	ug/l	98
61) 1,2-Dibromoethane	11.24	107	30309	55.379	ug/l	97
64) Tetrachloroethene	10.86	164	38311	53.293	ug/l	98
65) Chlorobenzene	11.66	112	106457	48.449	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	37342	47.562	ug/l	97
67) Ethyl Benzene	11.73	91	186944	49.580	ug/l	99
68) m/p-Xylenes	11.84	106	142974	97.750	ug/l	98
69) o-Xylene	12.17	106	69397	50.616	ug/l	99
70) Styrene	12.18	104	114166	50.657	ug/l	100
71) Bromoform	12.35	173	19664	48.246	ug/l #	99
73) Isopropylbenzene	12.47	105	216453	57.712	ug/l	99
74) N-amyl acetate	12.27	43	41535	63.934	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	34291	60.979	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	26590m	69.335	ug/l	
77) Bromobenzene	12.75	156	44097	51.303	ug/l	94
78) n-propylbenzene	12.80	91	237980	54.509	ug/l	99
79) 2-Chlorotoluene	12.90	91	130292	51.229	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	165137	51.045	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10314	56.453	ug/l	96
82) 4-Chlorotoluene	12.99	91	136373	50.358	ug/l	99
83) tert-Butylbenzene	13.21	119	143669	50.613	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	168622	51.654	ug/l	99
85) sec-Butylbenzene	13.39	105	199657	51.036	ug/l	100
86) p-Isopropyltoluene	13.50	119	173601	48.801	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	83948	49.190	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	84375	49.426	ug/l	99
89) n-Butylbenzene	13.83	91	156565	48.002	ug/l	100
90) Hexachloroethane	14.10	117	28955	46.363	ug/l	92
91) 1,2-Dichlorobenzene	13.88	146	78670	51.486	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6523	56.484	ug/l	93

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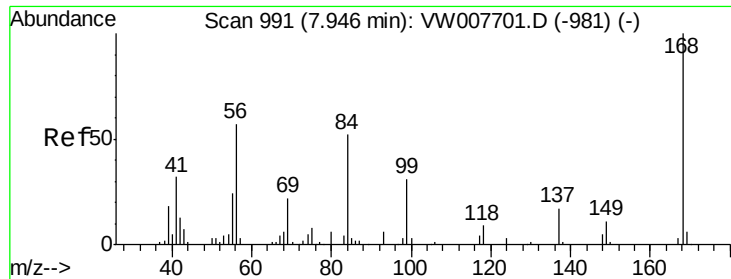
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	51239	48.309	ug/l	97
94) Hexachlorobutadiene	15.24	225	25481	44.954	ug/l	98
95) Naphthalene	15.38	128	120190	61.291	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	46233	50.922	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion:168 Resp: 64943

Ion Ratio Lower Upper

168 100

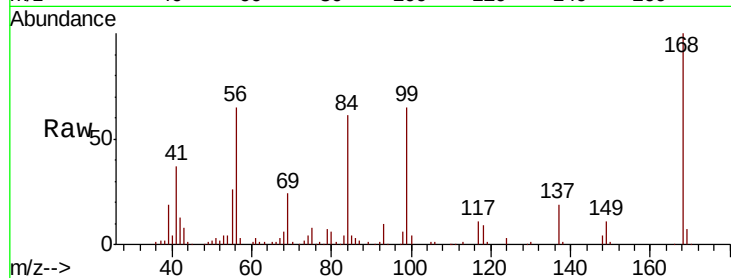
99 64.7 54.0 81.0

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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

30000

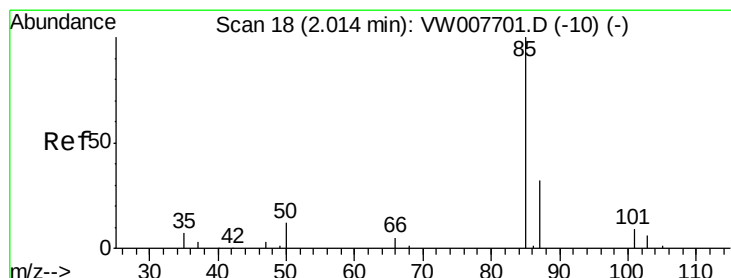
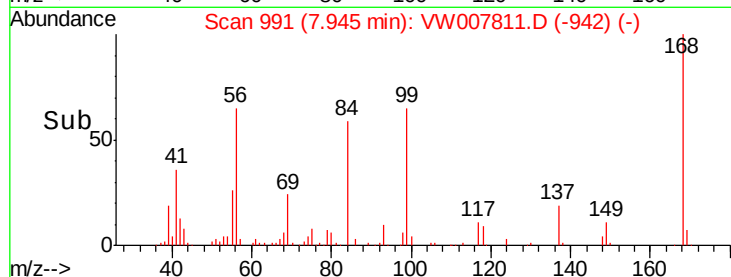
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 42.938 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007811.D

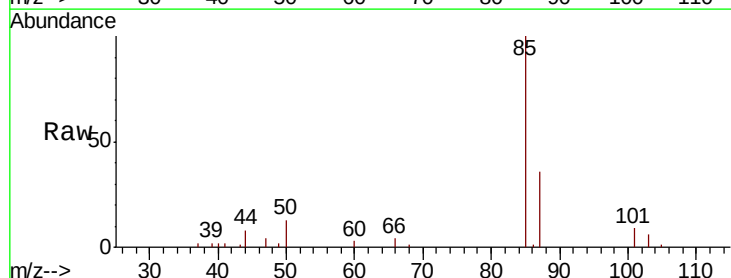
Acq: 21 Dec 2018 22:26

Tgt Ion: 85 Resp: 24790

Ion Ratio Lower Upper

85 100

87 36.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

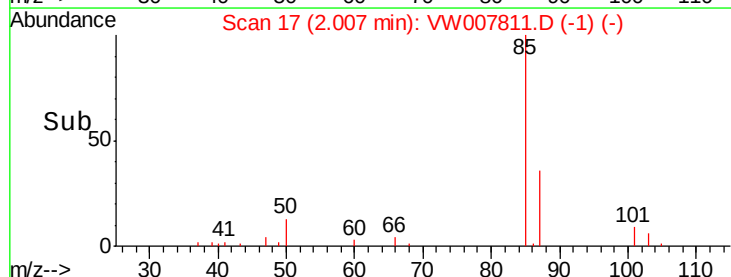
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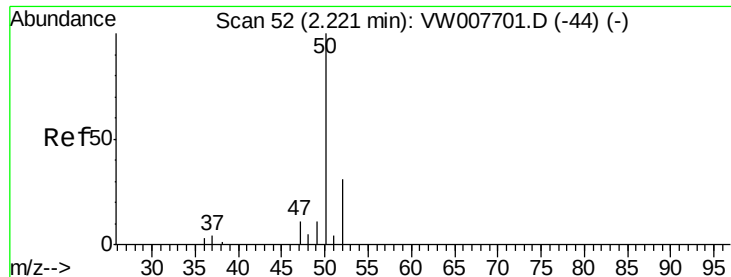
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 64.383 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion: 50 Resp: 22825

Ion Ratio Lower Upper

50 100

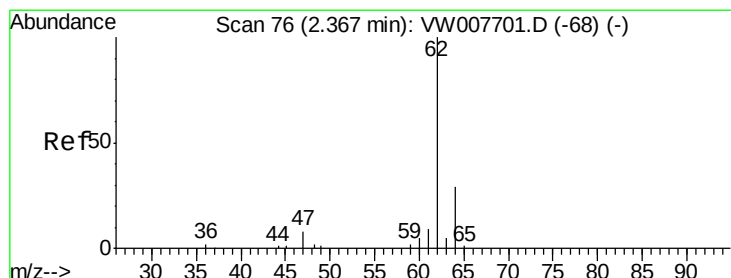
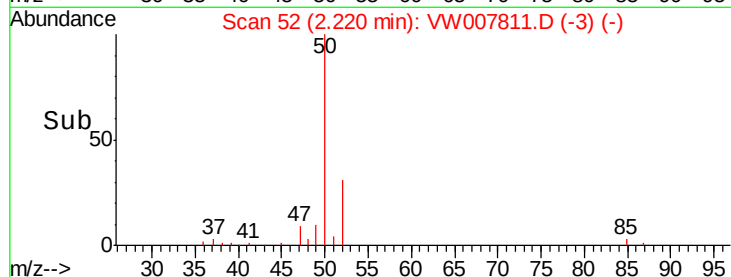
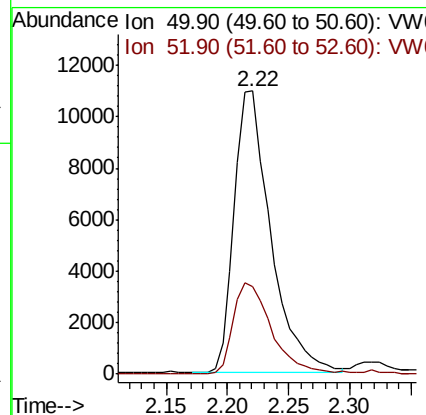
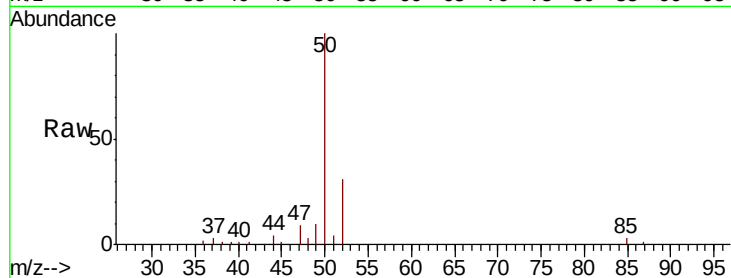
52 30.9 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 62.628 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007811.D

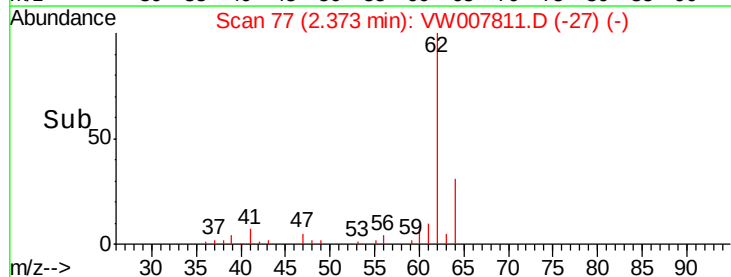
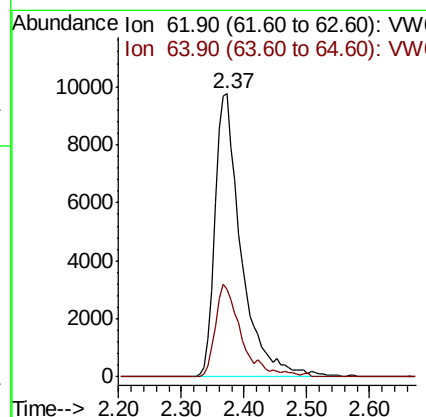
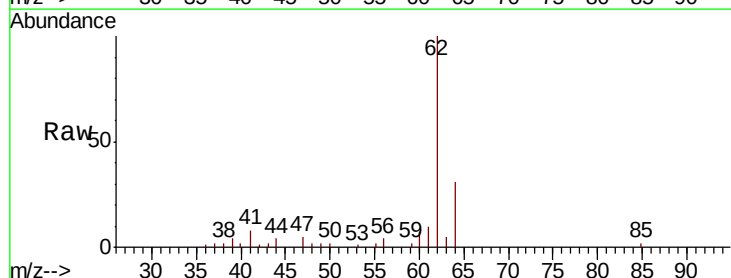
Acq: 21 Dec 2018 22:26

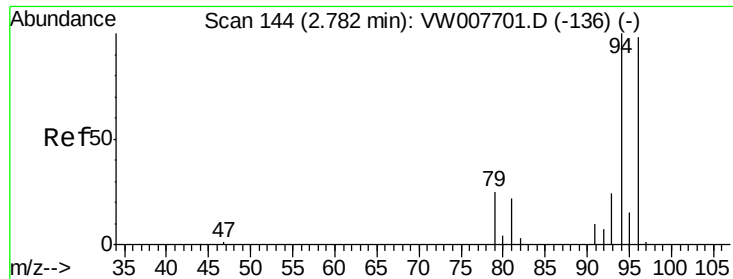
Tgt Ion: 62 Resp: 28263

Ion Ratio Lower Upper

62 100

64 30.9 23.4 35.0





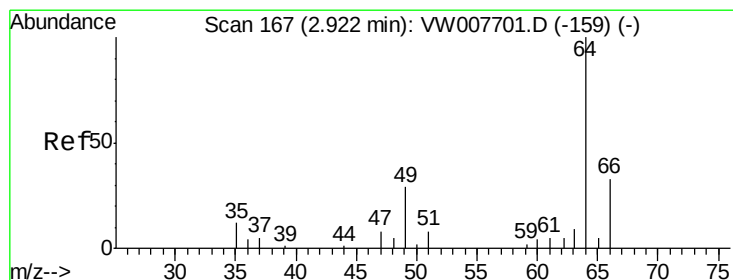
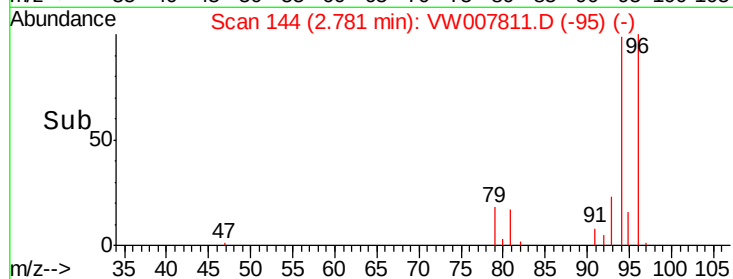
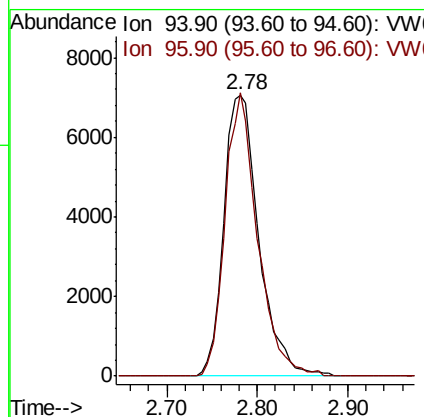
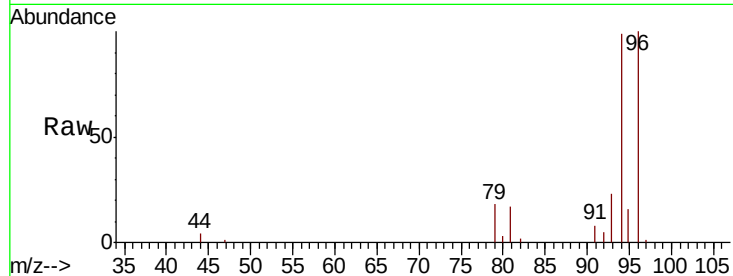
#5
Bromomethane
Concen: 60.221 ug/l
RT: 2.78 min Scan# 144
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

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ClientSampleId :
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Tot Ion: 94 Resp: 18929
Ion Ratio Lower Upper
94 100
96 100.7 78.2 117.2

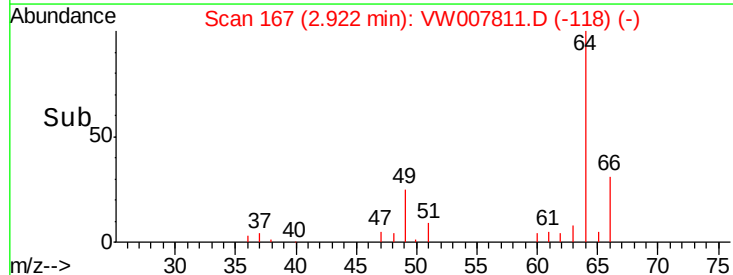
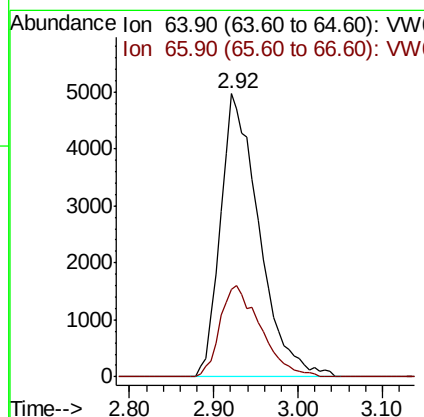
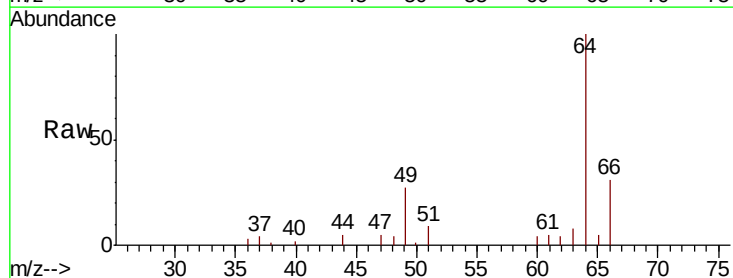
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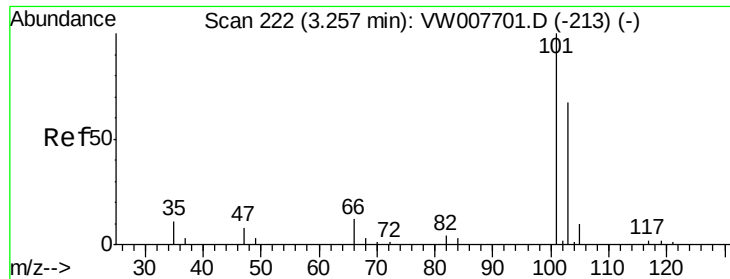
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#6
Chloroethane
Concen: 64.398 ug/l
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion: 64 Resp: 15548
Ion Ratio Lower Upper
64 100
66 30.8 26.2 39.4





#7

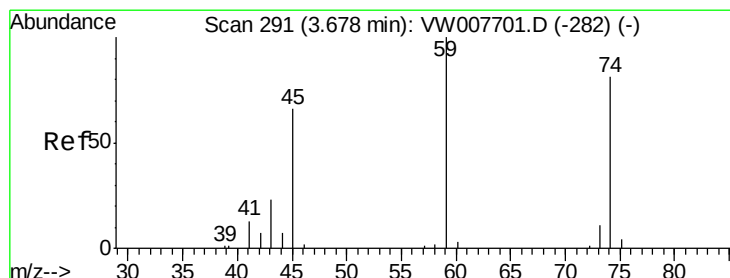
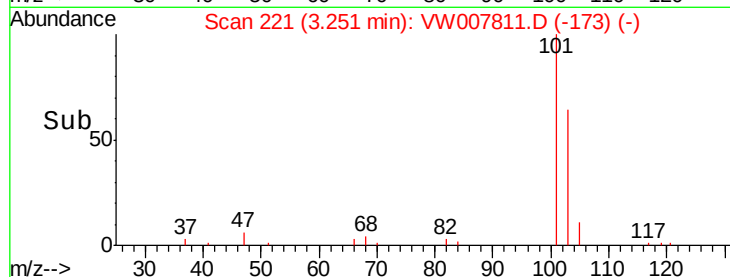
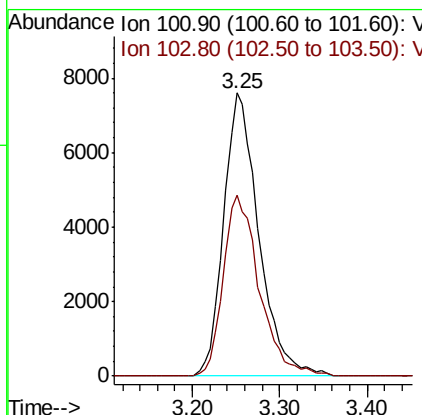
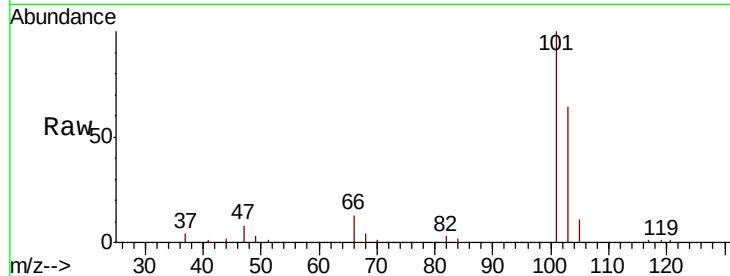
Trichlorofluoromethane
 Concen: 45.041 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

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Tot Ion: 101 Resp: 21162
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.4 80.2

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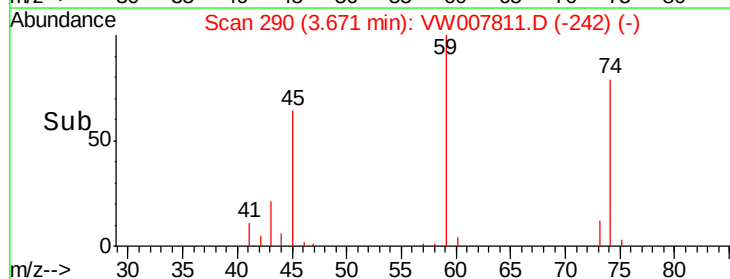
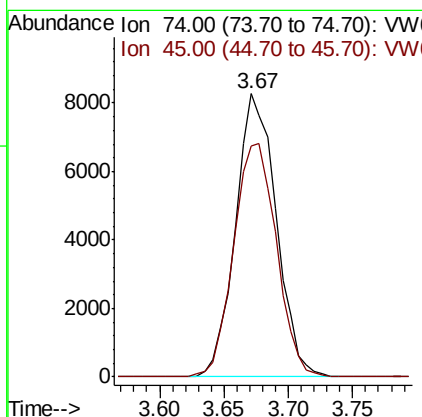
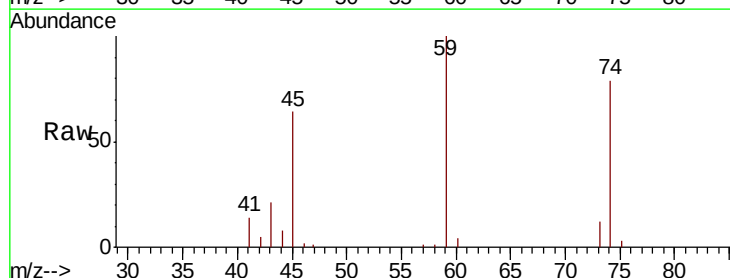
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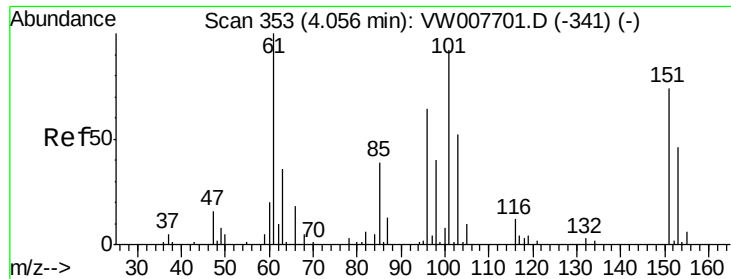


#8

Diethyl Ether
 Concen: 62.896 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Tgt Ion: 74 Resp: 18100
 Ion Ratio Lower Upper
 74 100
 45 86.7 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.774 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

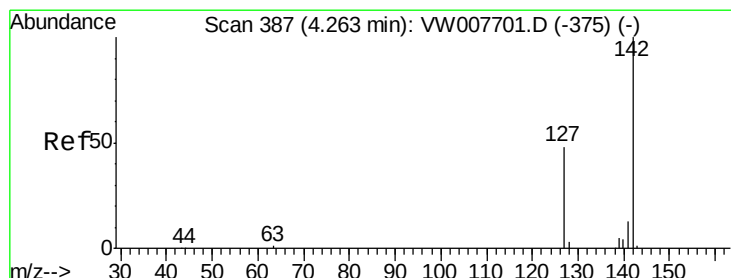
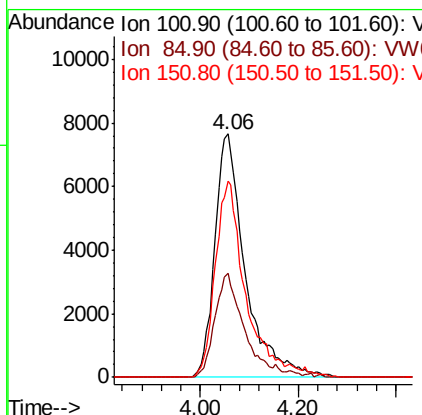
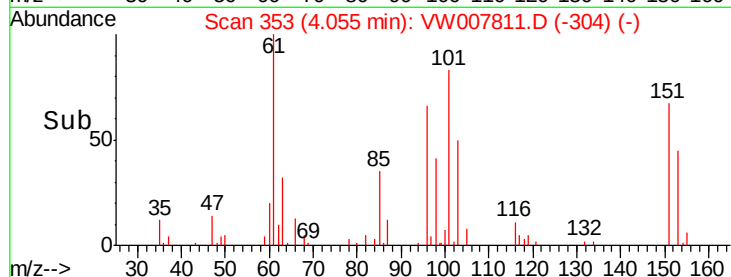
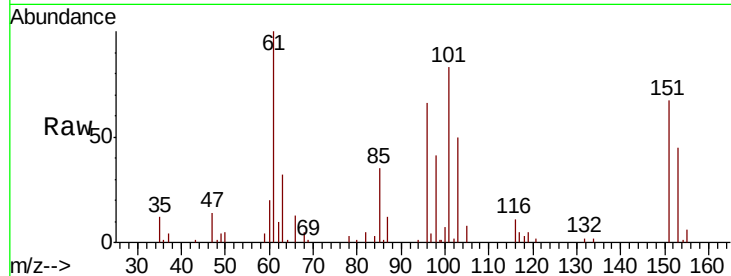
ClientSampleId :

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Tot Ion:	101	Resp:	33057
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.3	51.5
151	78.2	64.6	96.8

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#10

Methyl Iodide

Concen: 49.958 ug/l

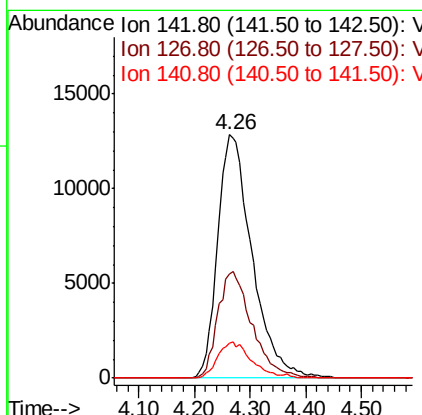
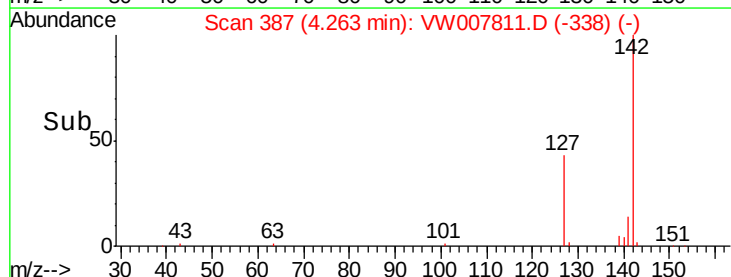
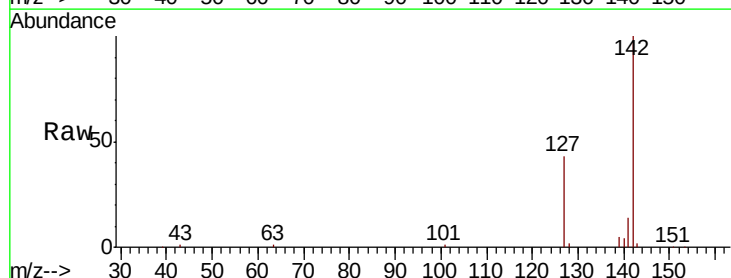
RT: 4.26 min Scan# 387

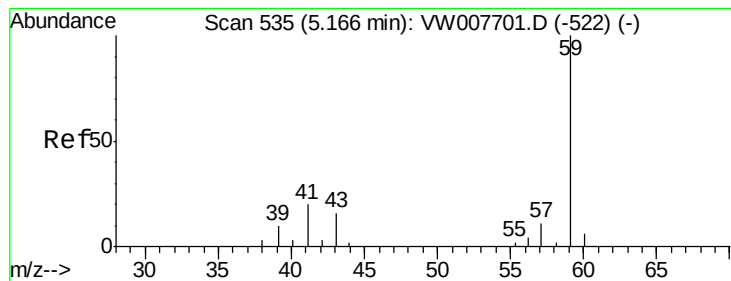
Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion:	142	Resp:	54974
Ion Ratio	Lower	Upper	
142	100		
127	43.6	37.7	56.5
141	14.6	11.5	17.3





#11

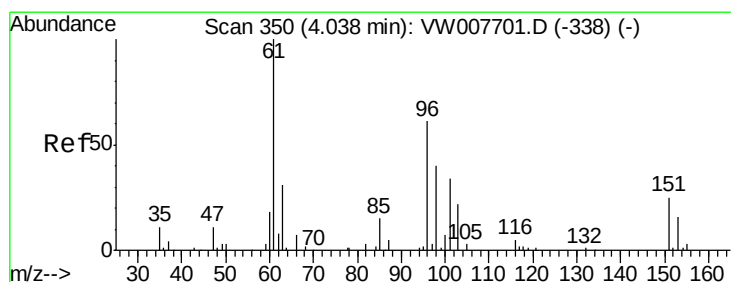
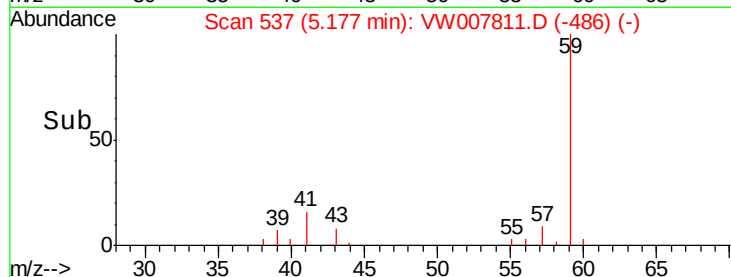
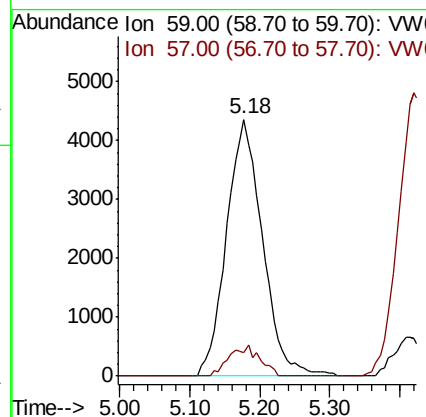
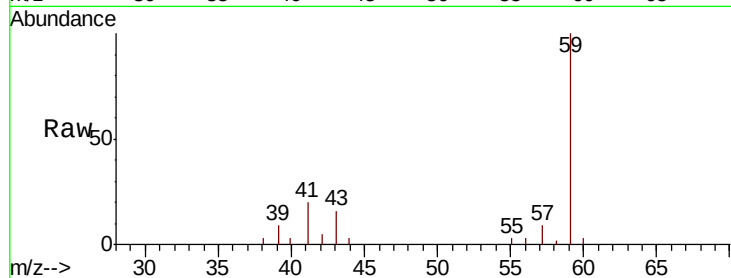
Tert butyl alcohol
Concen: 325.407 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	7.8	11.8#

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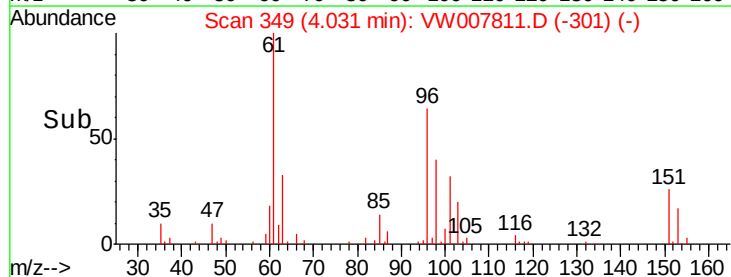
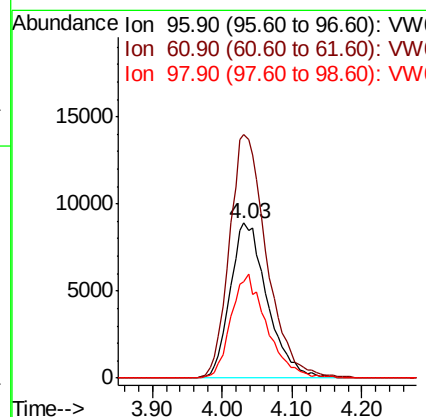
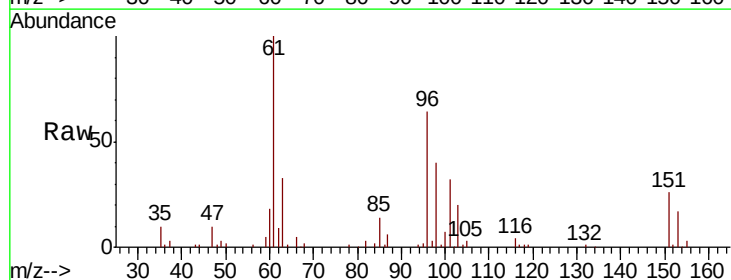
MMDadoda
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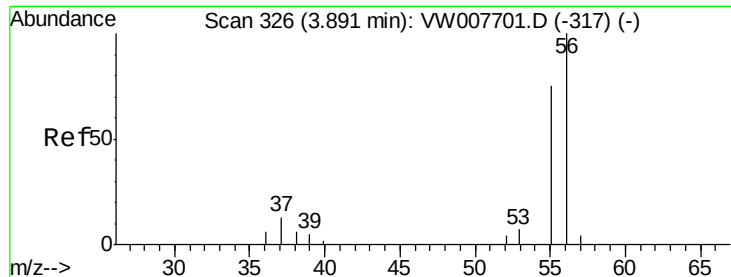


#12

1,1-Dichloroethene
Concen: 51.394 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	130.6	195.8
98	62.5	52.3	78.5





#13

Acrolein

Concen: 209.287 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion: 56 Resp: 8035

Ion Ratio Lower Upper

56 100

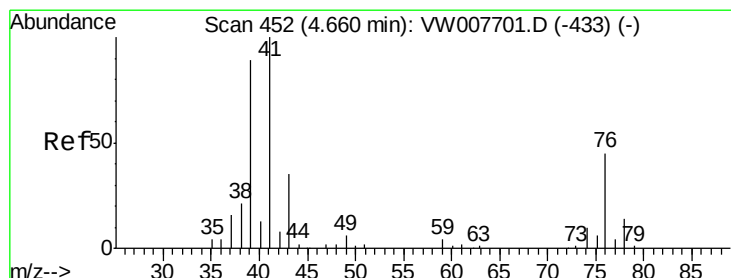
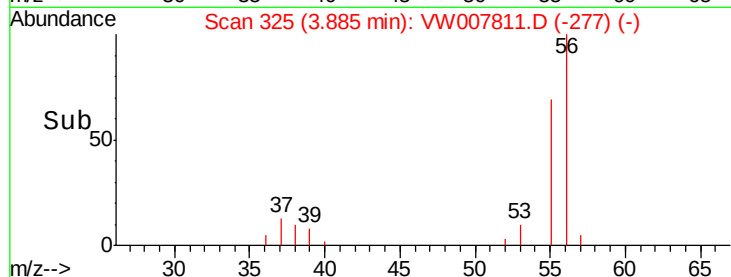
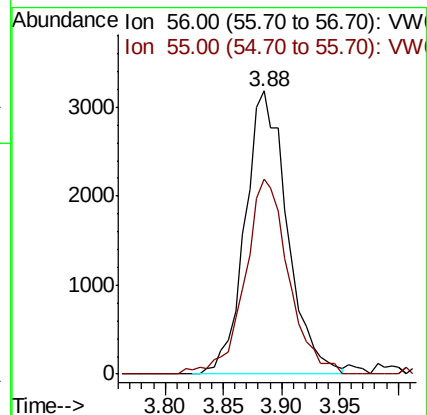
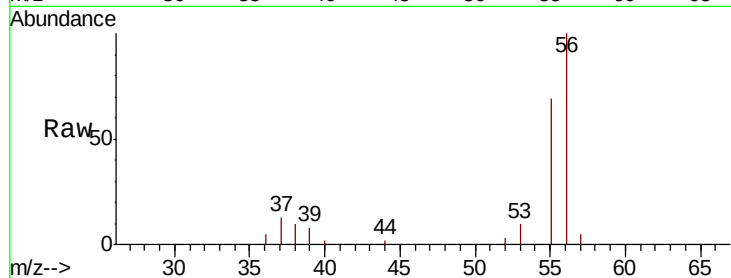
55 71.4 57.7 86.5

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#14

Allyl chloride

Concen: 52.237 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

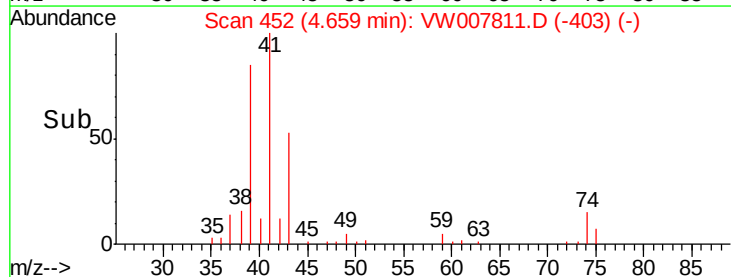
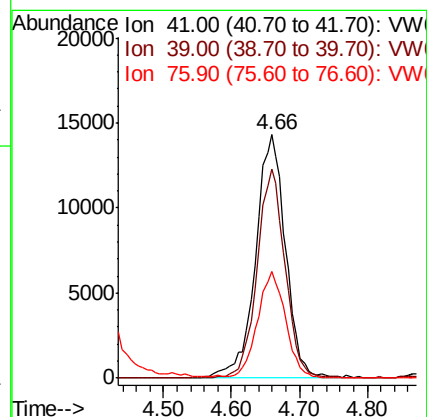
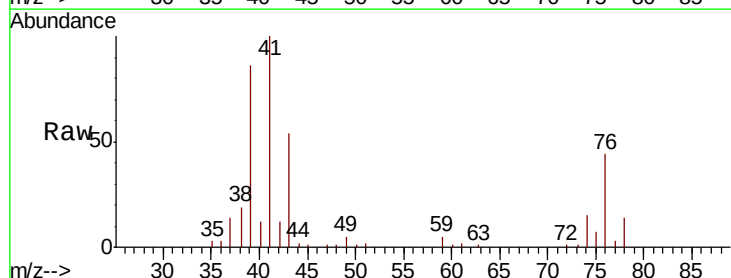
Tgt Ion: 41 Resp: 43892

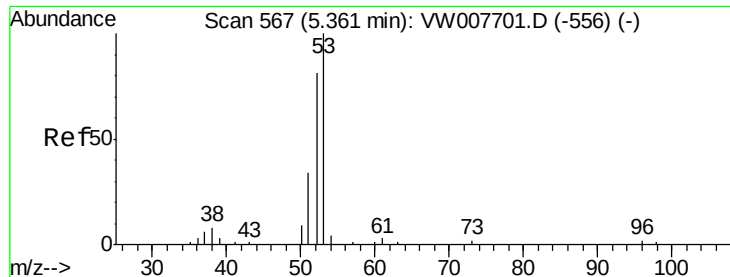
Ion Ratio Lower Upper

41 100

39 80.3 69.5 104.3

76 41.0 34.8 52.2





#15

Acrylonitrile

Concen: 324.009 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

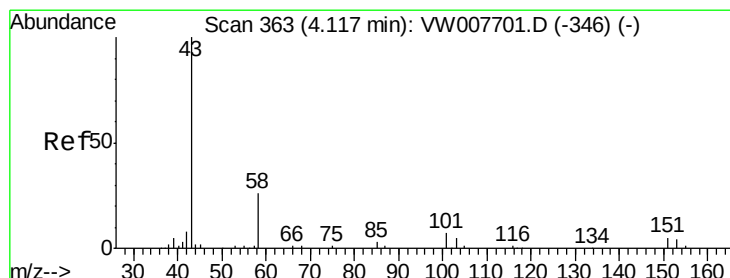
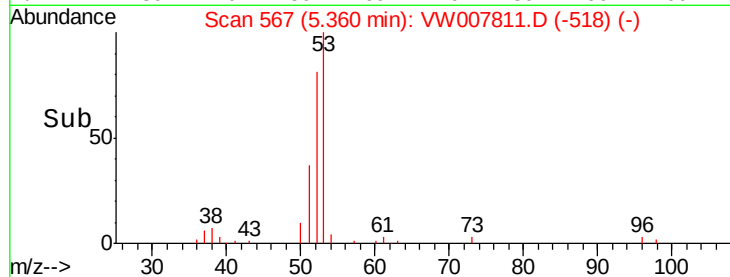
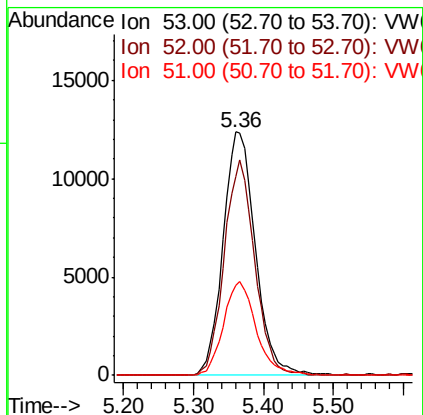
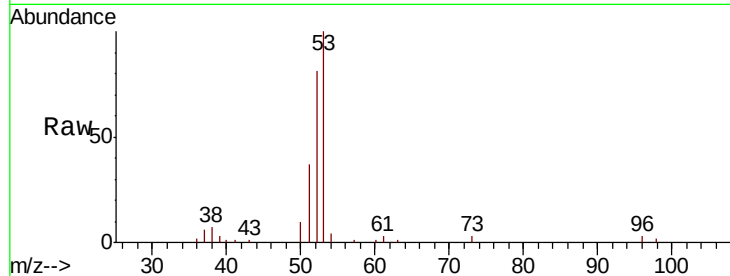
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion:	53	Resp:	39774
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.0	100.4
51	38.7	30.2	45.2

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#16

Acetone

Concen: 315.150 ug/l

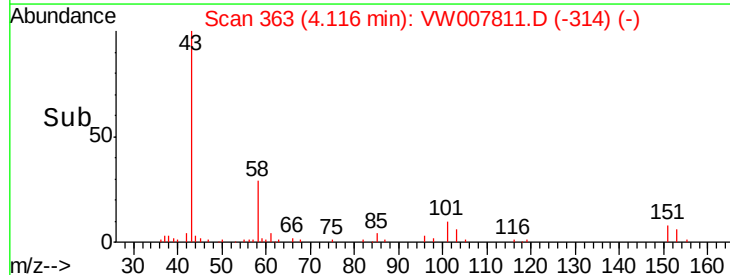
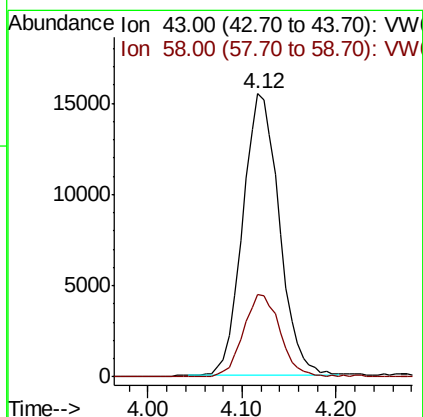
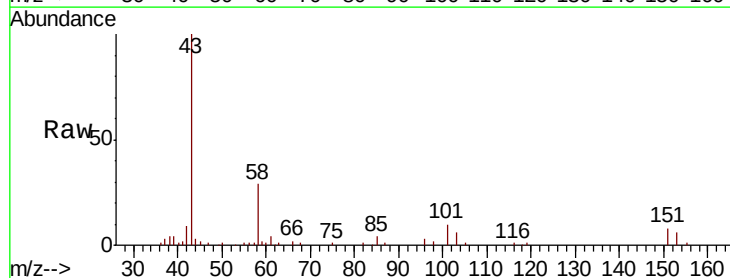
RT: 4.12 min Scan# 363

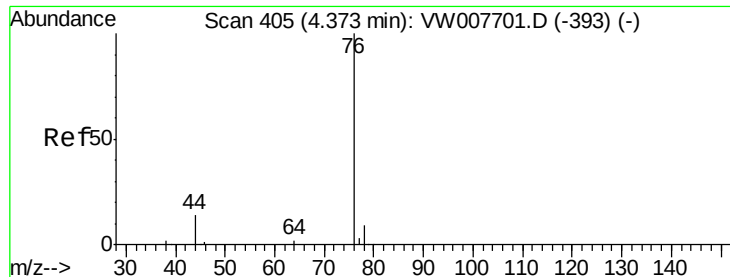
Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion:	43	Resp:	42007
Ion	Ratio	Lower	Upper
43	100		
58	29.2	21.2	31.8





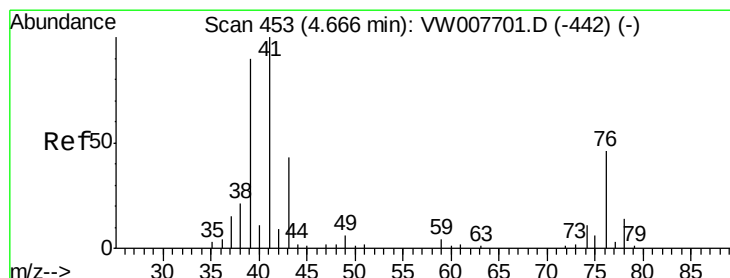
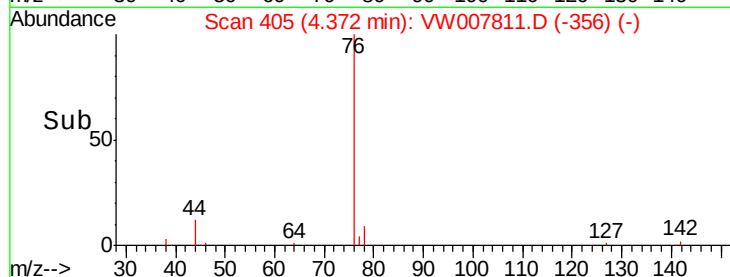
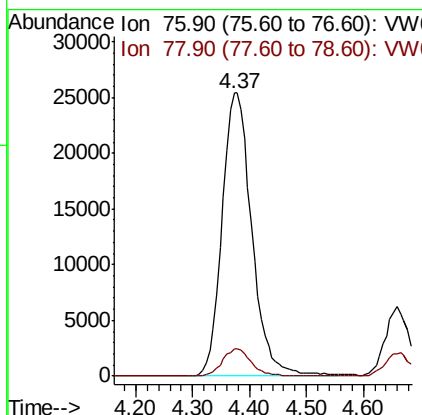
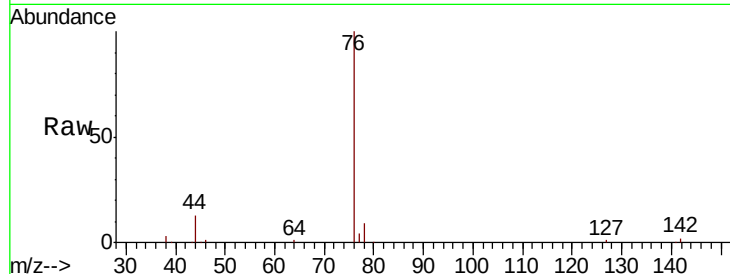
#17
Carbon Disulfide
Concen: 46.668 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	76	Resp	92534
Ion Ratio	100	Lower	Upper
76	100		
78	9.5	7.3	10.9

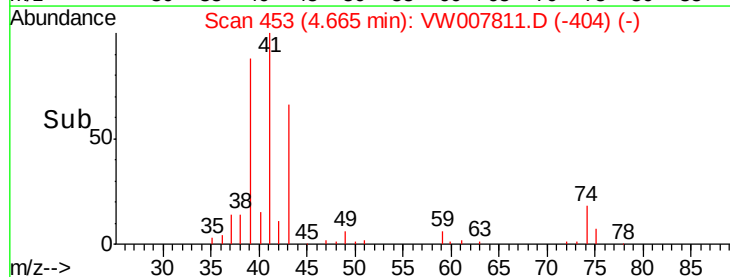
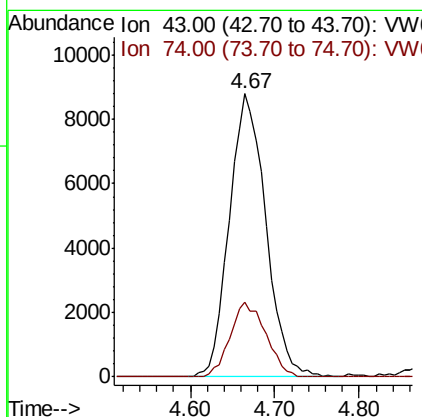
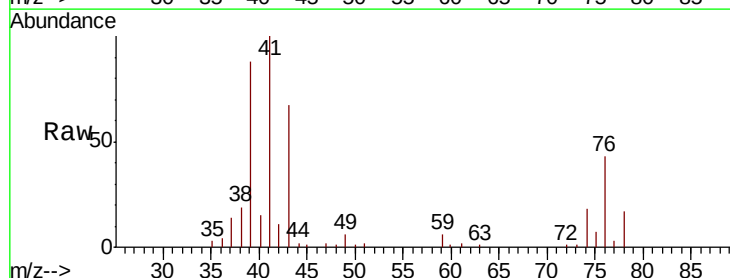
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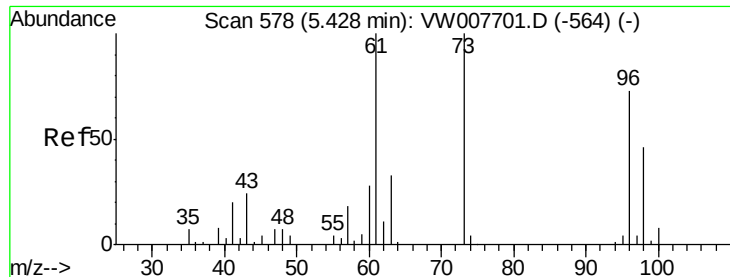
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#18
Methyl Acetate
Concen: 81.240 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	43	Resp	25753
Ion Ratio	100	Lower	Upper
43	100		
74	25.9	22.7	34.1





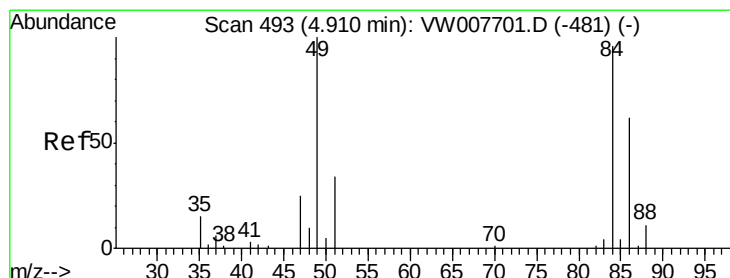
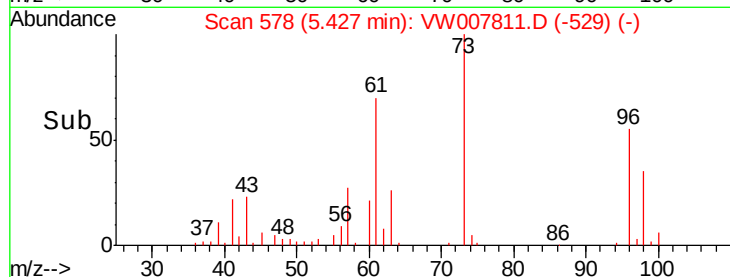
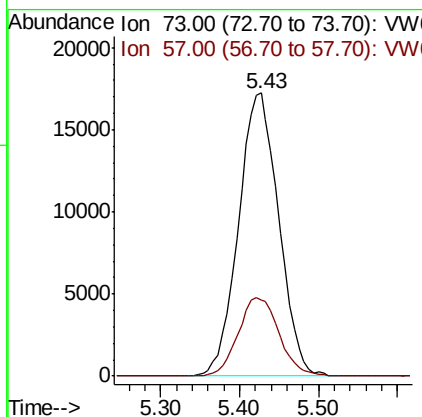
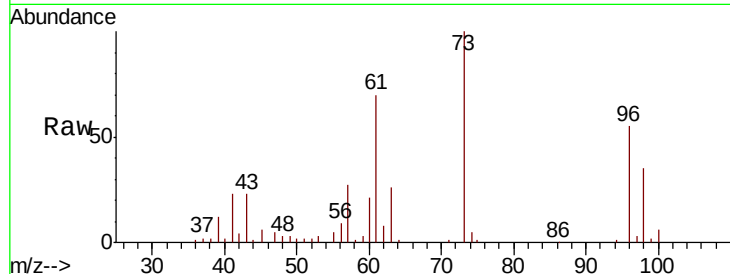
#19
Methyl tert-butyl Ether
Concen: 66.223 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion: 73 Resp: 60916
Ion Ratio Lower Upper
73 100
57 27.0 14.7 22.1#

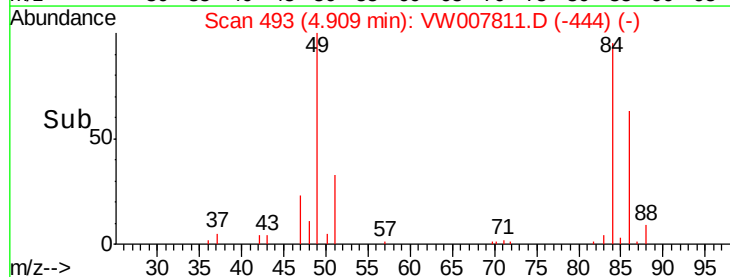
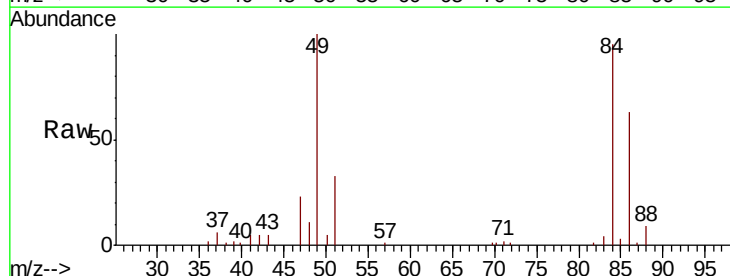
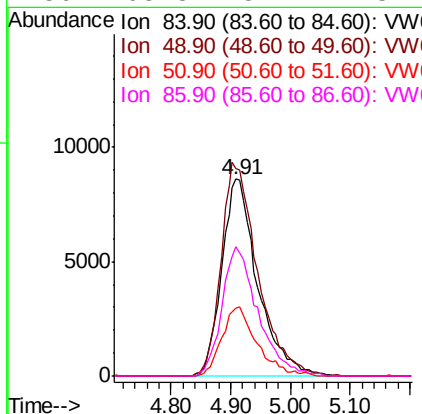
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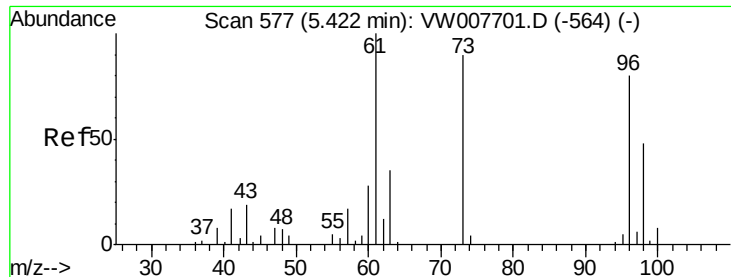
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#20
Methylene Chloride
Concen: 54.452 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion: 84 Resp: 35923
Ion Ratio Lower Upper
84 100
49 105.2 83.7 125.5
51 34.4 28.2 42.2
86 65.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 51.445 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion: 96 Resp: 36253

Ion Ratio Lower Upper

96 100

61 135.3 100.1 150.1

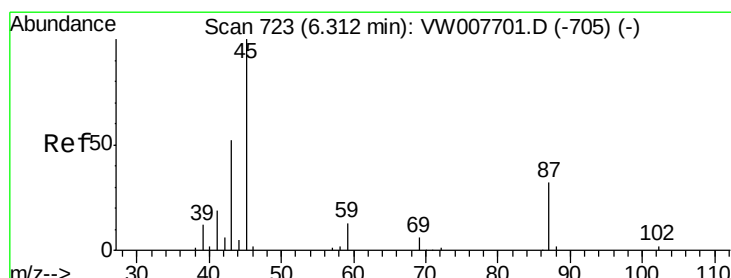
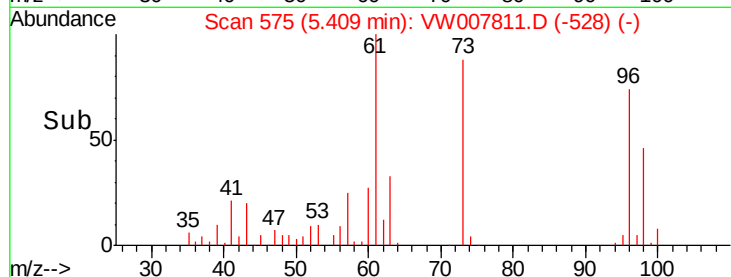
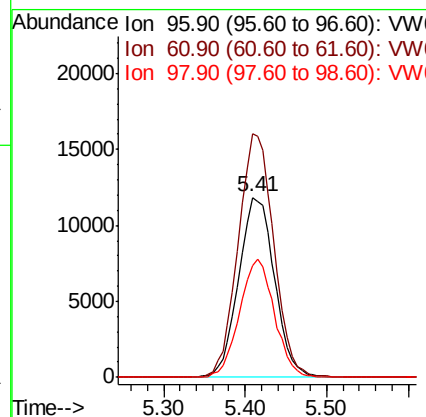
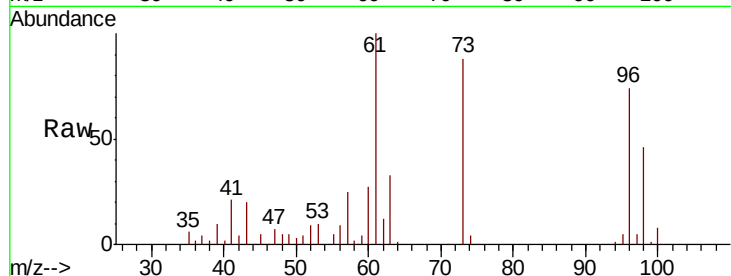
98 62.3 48.5 72.7

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#22

Diisopropyl ether

Concen: 57.568 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion: 45 Resp: 90574

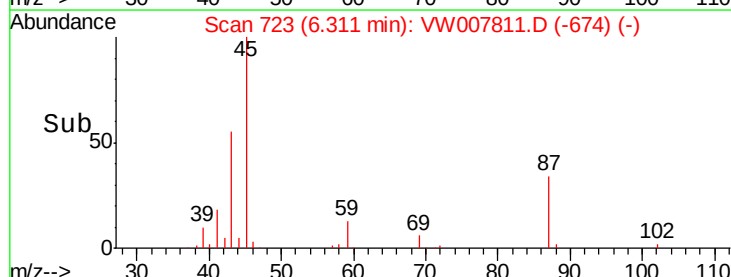
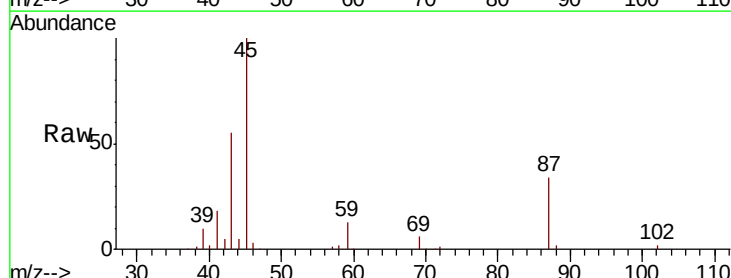
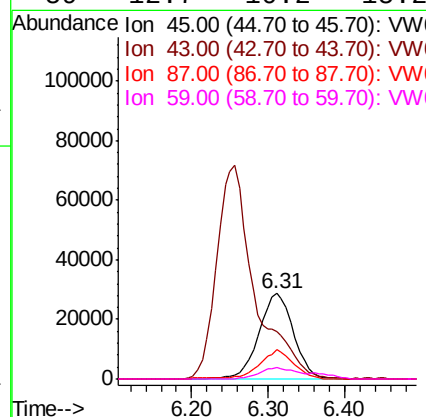
Ion Ratio Lower Upper

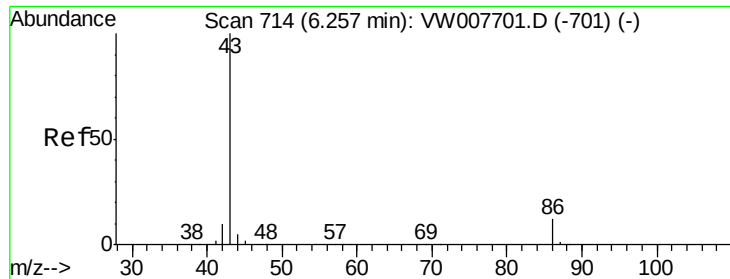
45 100

43 54.2 43.7 65.5

87 34.4 26.6 40.0

59 12.7 10.2 15.2





#23

Vinyl Acetate

Concen: 264.699 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion: 43 Resp: 247430

Ion Ratio Lower Upper

43 100

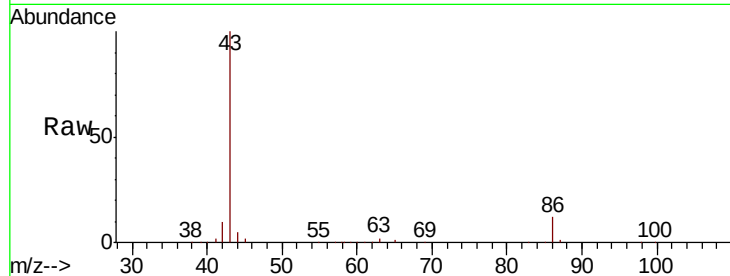
86 11.6 9.6 14.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

80000

60000

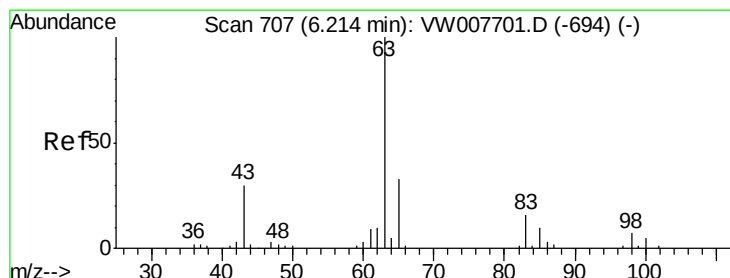
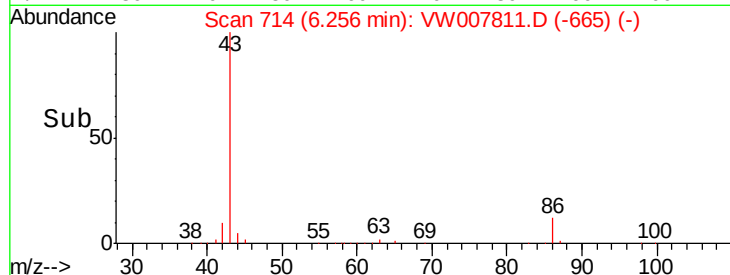
40000

20000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 54.007 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

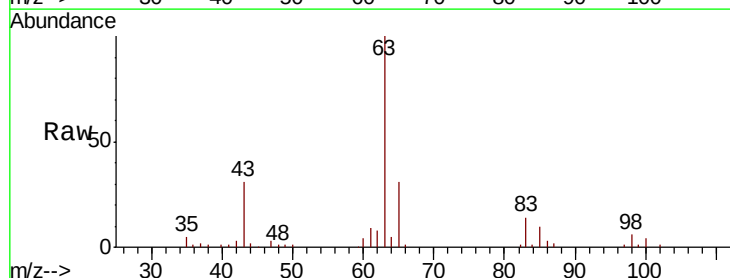
Tgt Ion: 63 Resp: 62509

Ion Ratio Lower Upper

63 100

98 6.1 3.6 10.9

100 4.4 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

25000

20000

15000

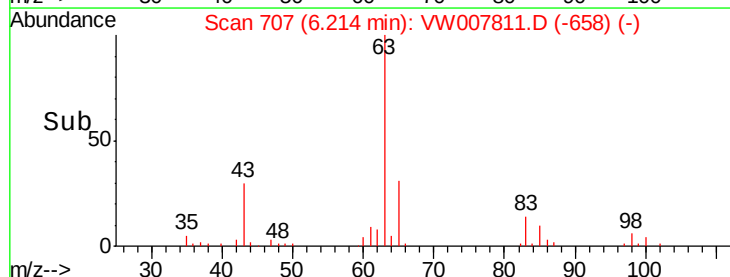
10000

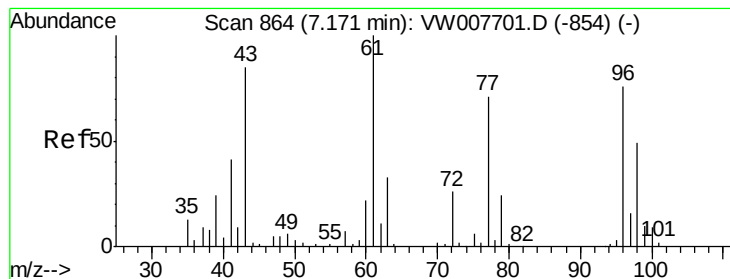
5000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 338.961 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion: 43 Resp: 52920

Ion Ratio Lower Upper

43 100

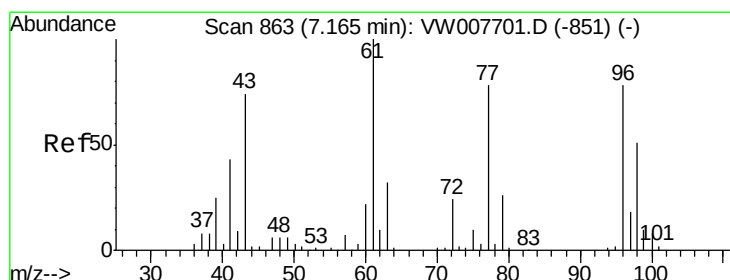
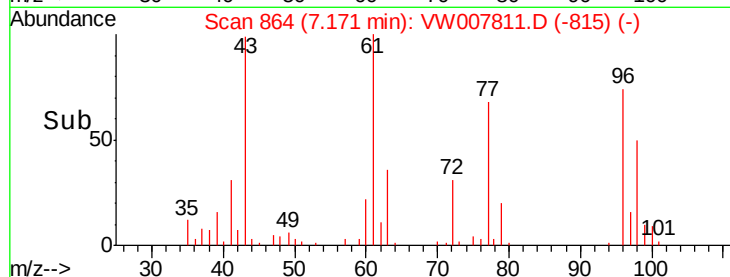
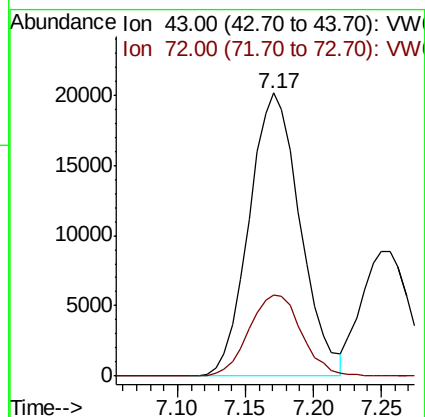
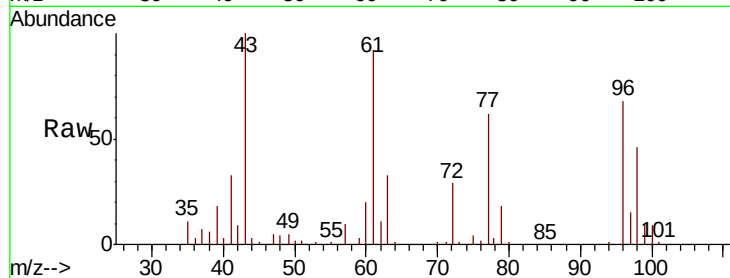
72 28.9 24.5 36.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.426 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007811.D

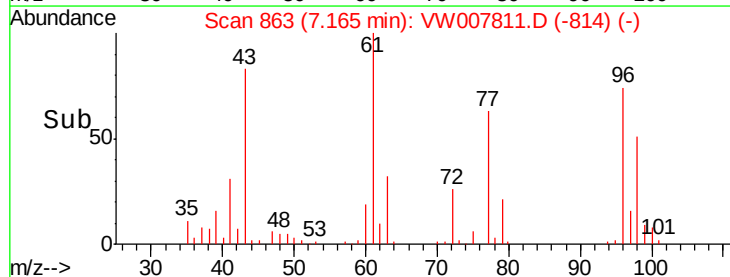
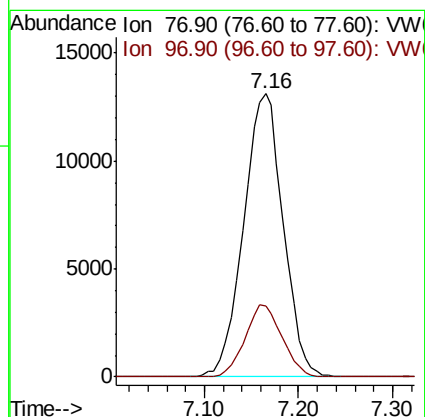
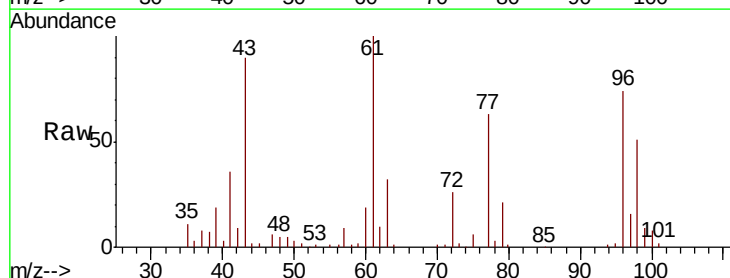
Acq: 21 Dec 2018 22:26

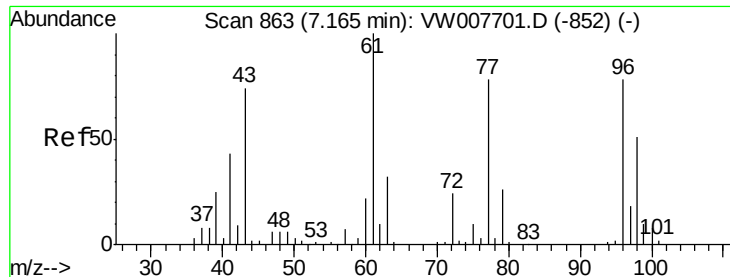
Tgt Ion: 77 Resp: 38474

Ion Ratio Lower Upper

77 100

97 23.9 11.3 33.9





#27

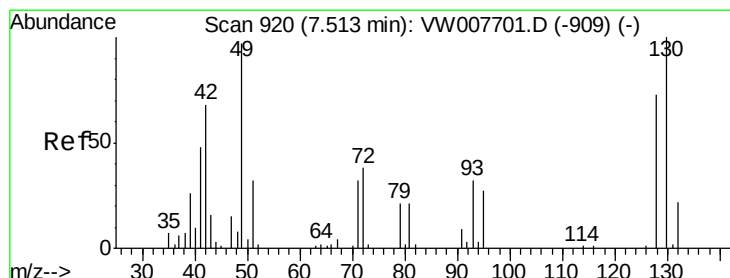
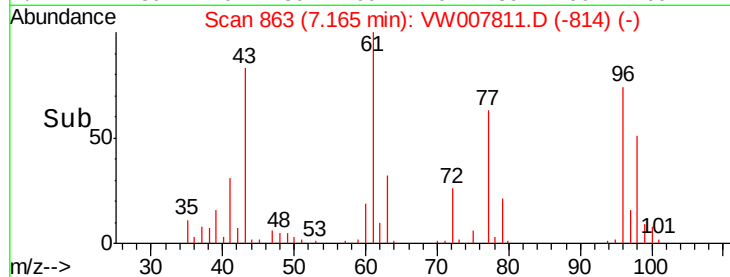
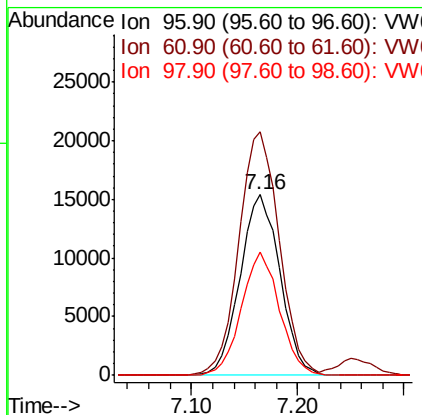
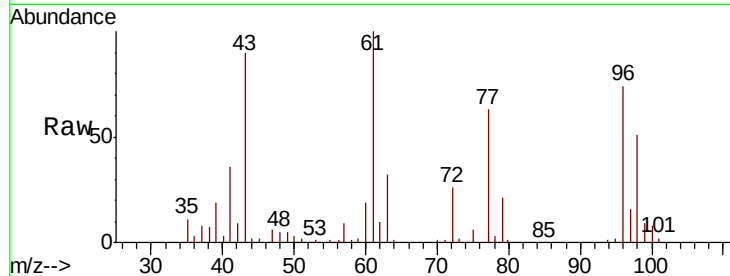
cis-1,2-Dichloroethene
Concen: 53.917 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	271.6
98	65.1	0.0	131.2

Manual Integrations
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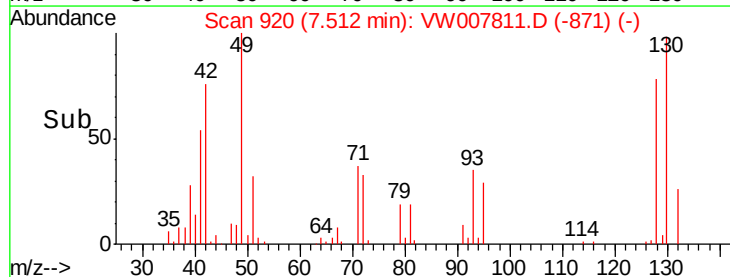
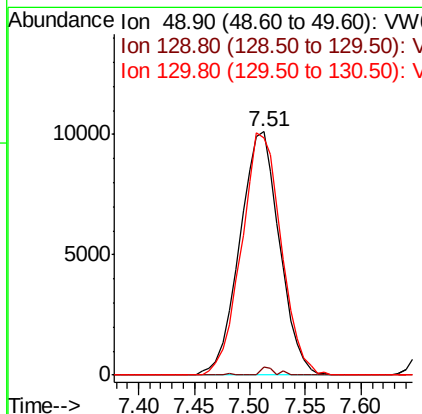
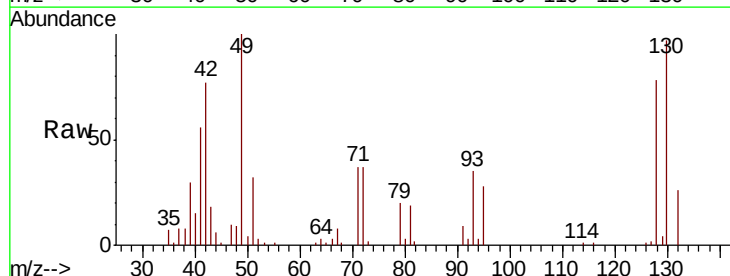
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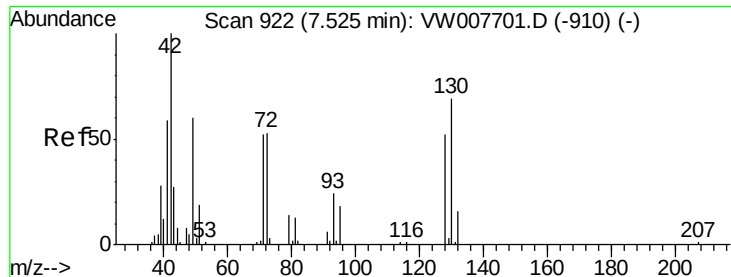


#28

Bromochloromethane
Concen: 63.715 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.2
130	99.0	81.5	122.3





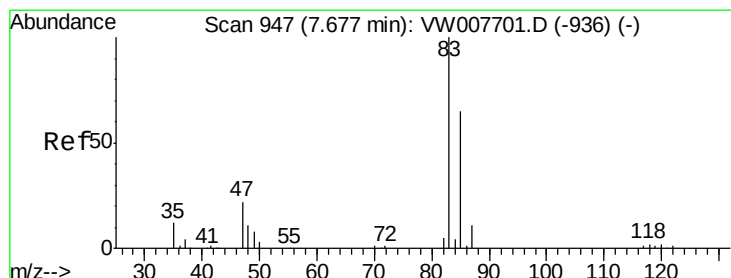
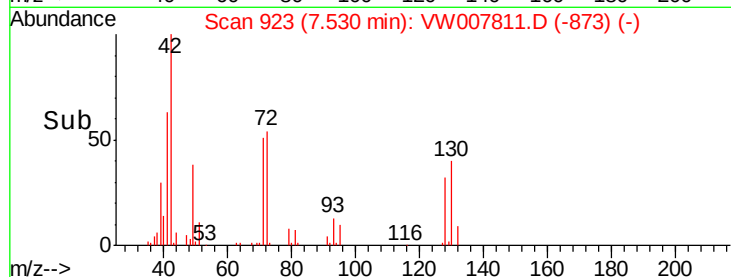
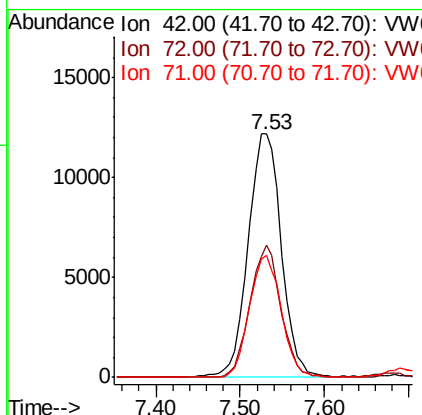
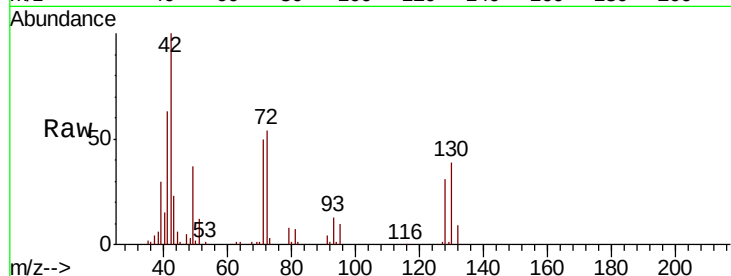
#29
Tetrahydrofuran
Concen: 350.774 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	41.7	62.5
71	48.0	39.0	58.6

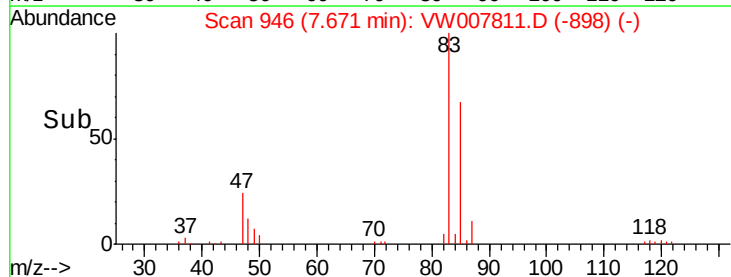
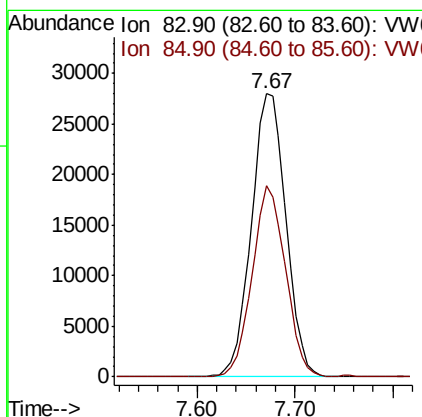
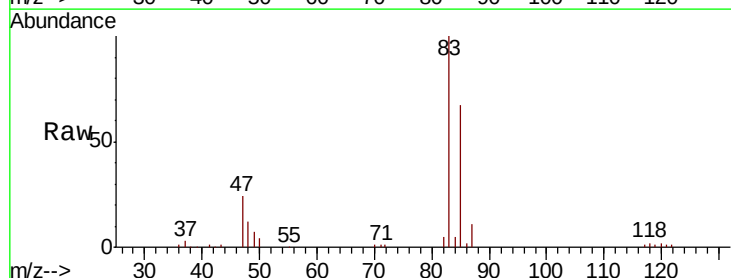
Manual Integrations
APPROVED

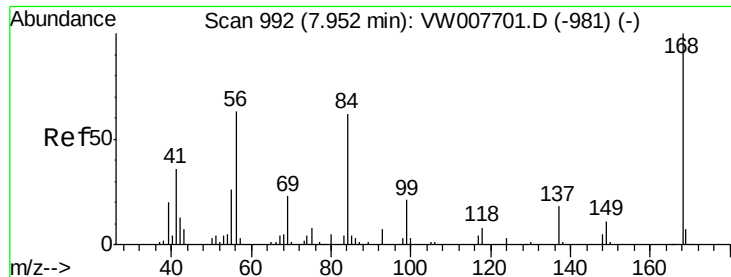
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12/26/2018 10:59:24 AM



#30
Chloroform
Concen: 52.356 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.2	78.2





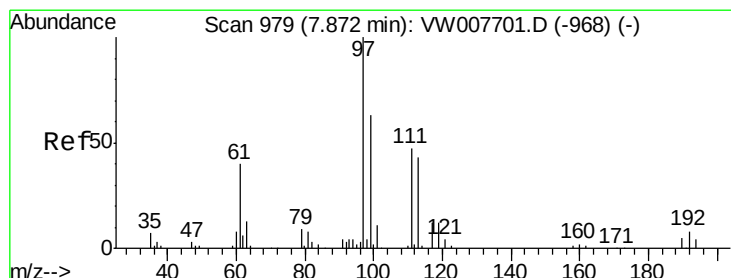
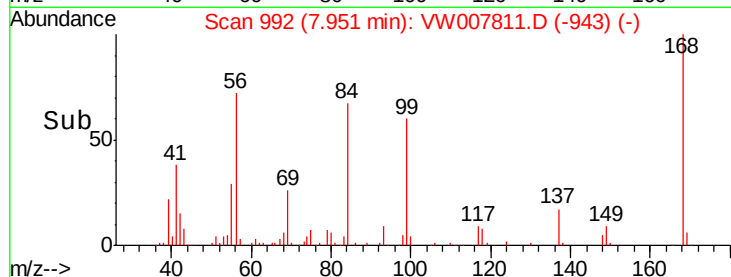
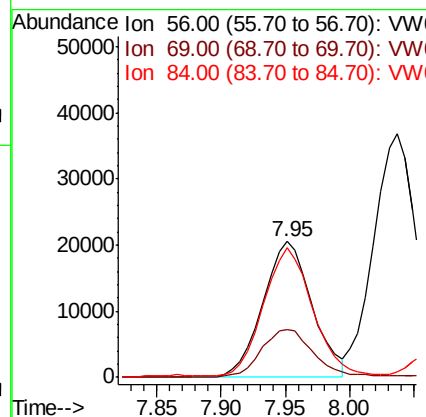
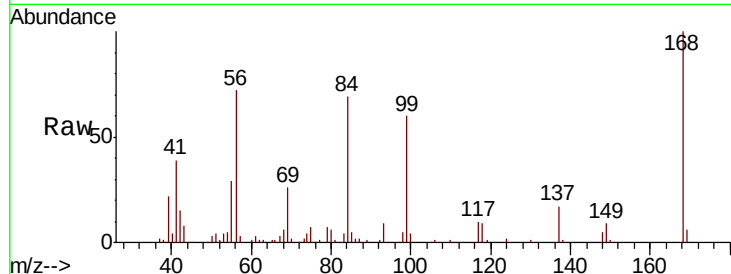
#31
Cyclohexane
Concen: 51.640 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	29.7	44.5
84	93.8	78.9	118.3

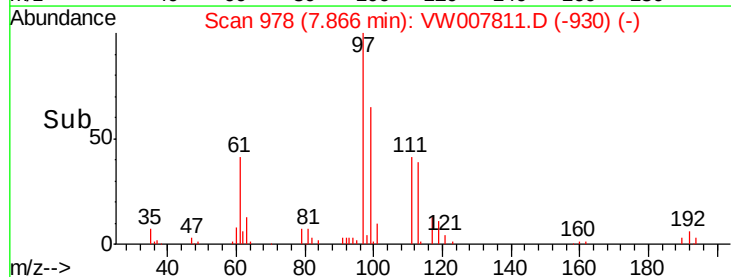
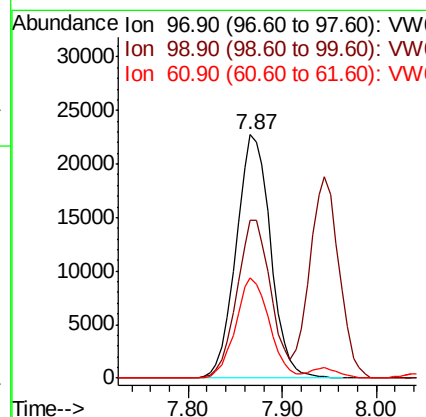
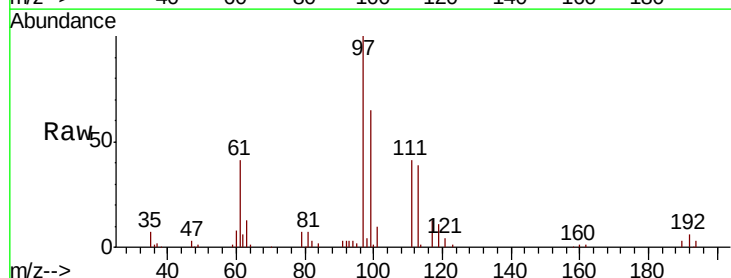
Manual Integrations
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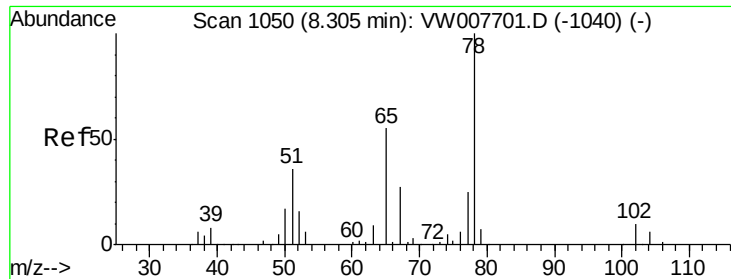
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#32
1,1,1-Trichloroethane
Concen: 48.574 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	76.0
61	40.3	32.3	48.5





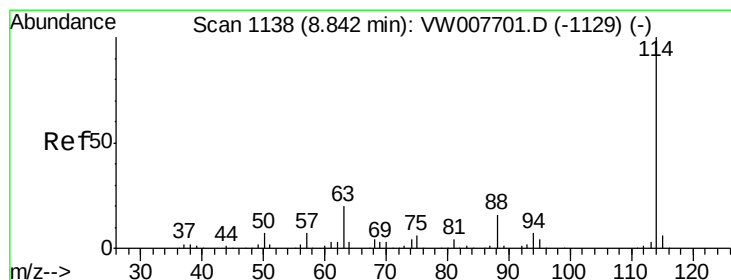
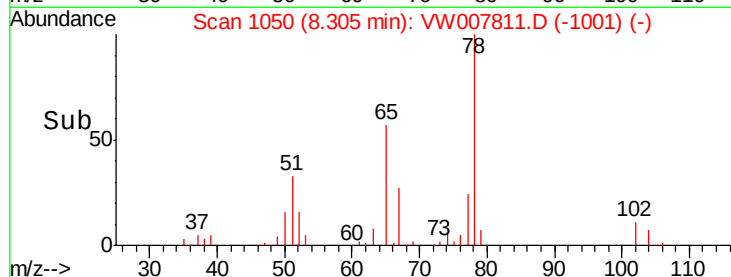
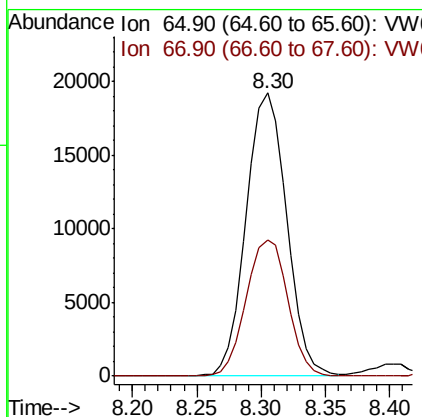
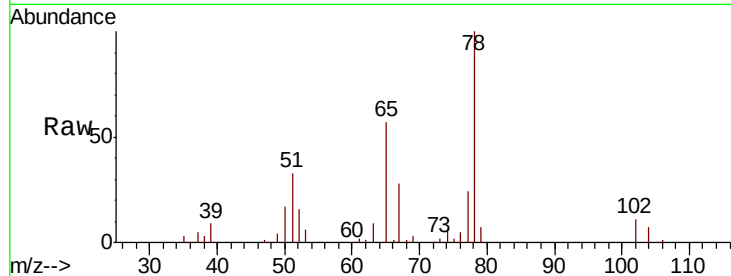
#33
 1,2-Dichloroethane-d4
 Concen: 59.009 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	42003		
67	49.5	0.0	100.6	

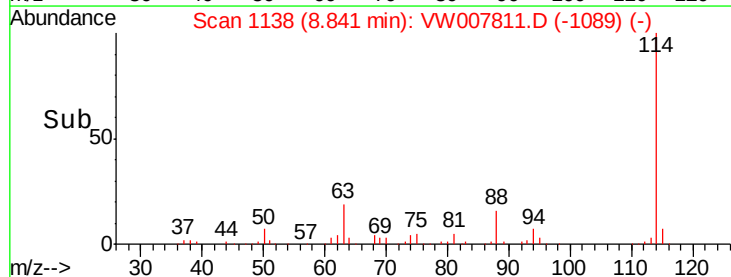
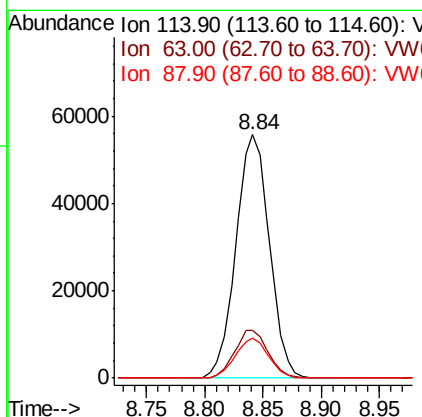
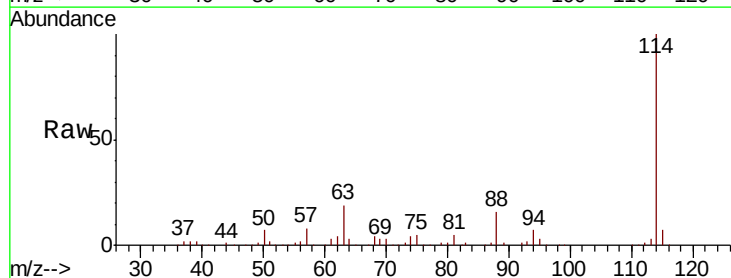
Manual Integrations
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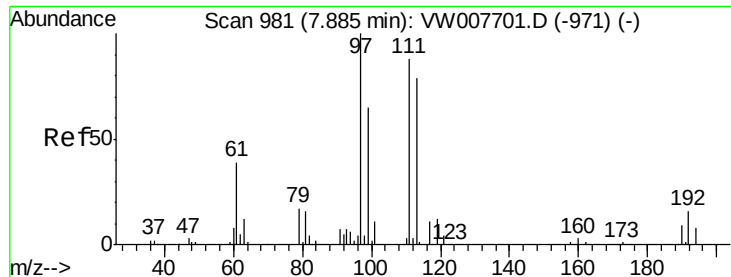
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	111439		
63	19.4	0.0	40.0	
88	16.3	0.0	32.6	





#35

Dibromofluoromethane

Concen: 54.253 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

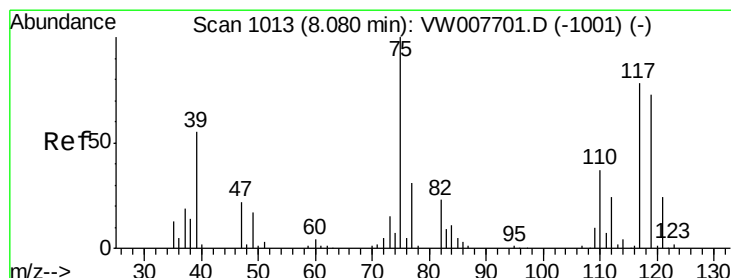
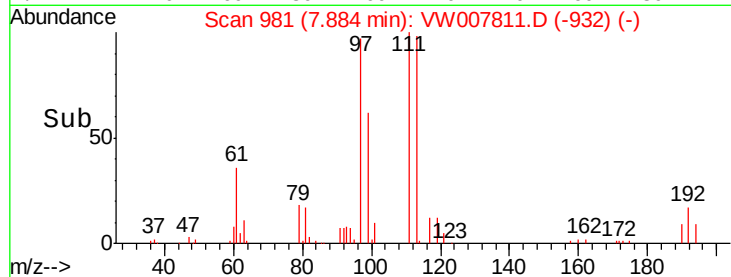
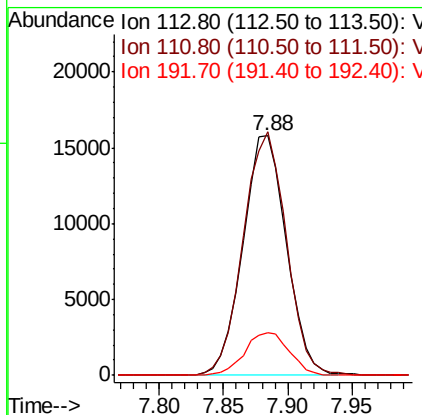
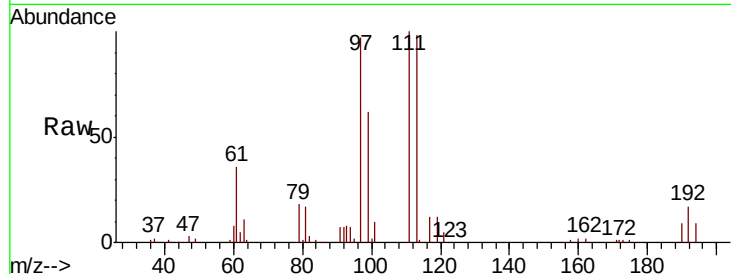
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion:	113	Resp:	36883
Ion Ratio	Lower	Upper	
113	100		
111	100.9	82.6	124.0
192	18.3	15.5	23.3

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#36

1,1-Dichloropropene

Concen: 48.807 ug/l

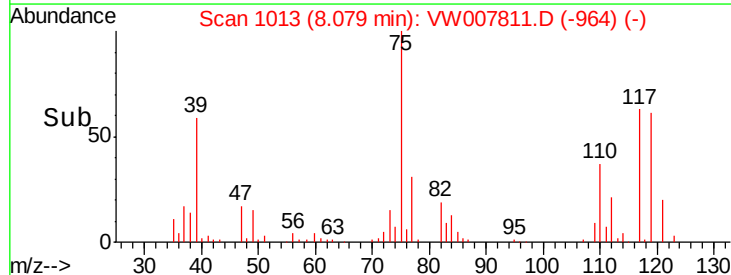
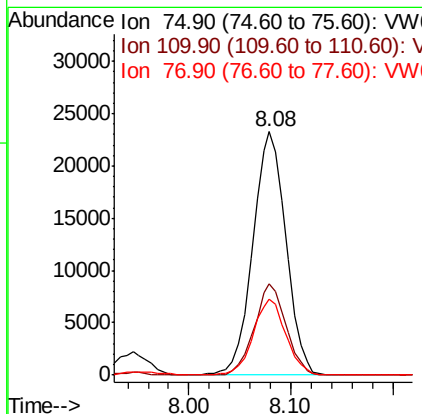
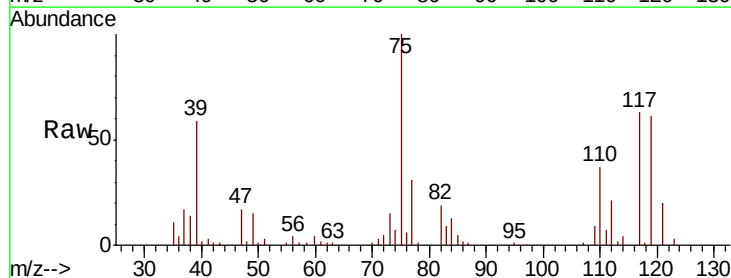
RT: 8.08 min Scan# 1013

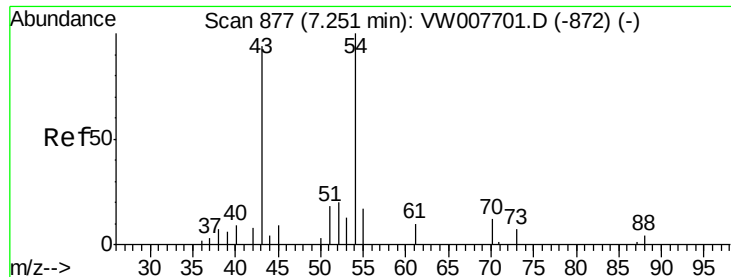
Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion:	75	Resp:	52496
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.6	55.8
77	30.7	25.0	37.4





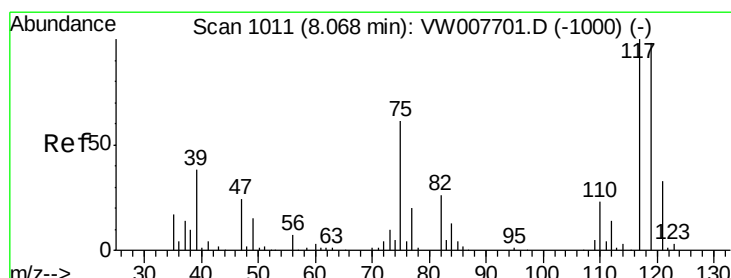
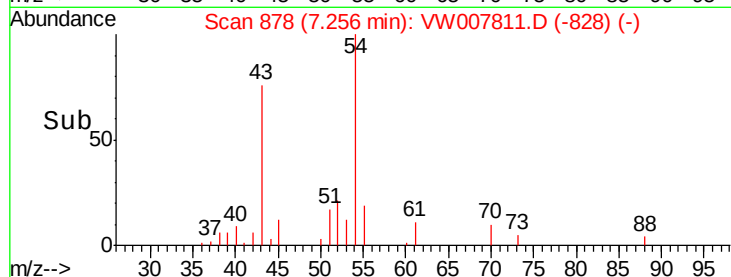
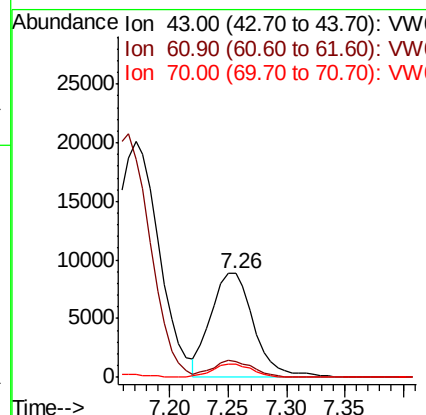
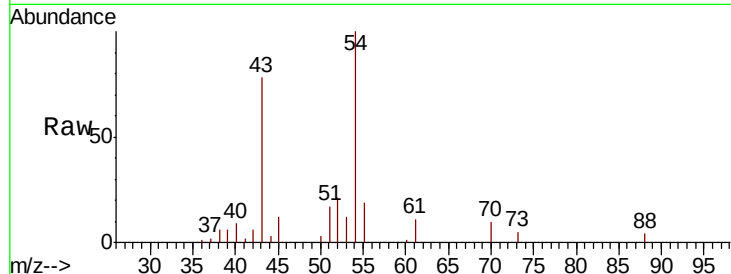
#37
Ethyl Acetate
Concen: 61.274 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.2	16.8
70	11.8	9.3	13.9

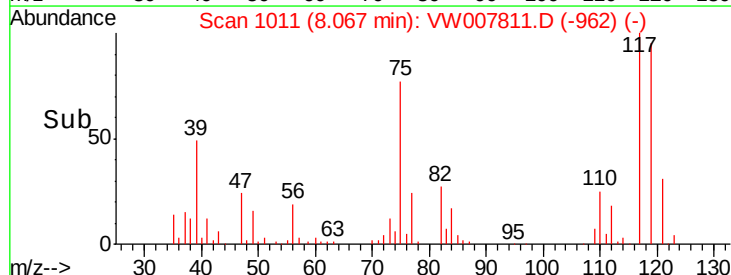
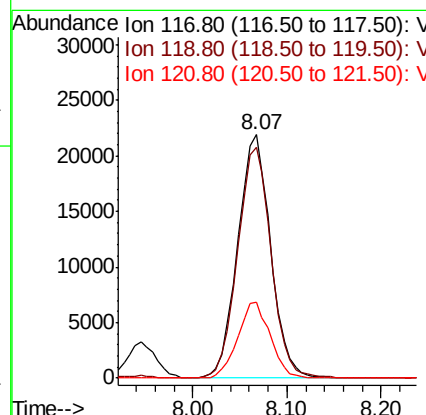
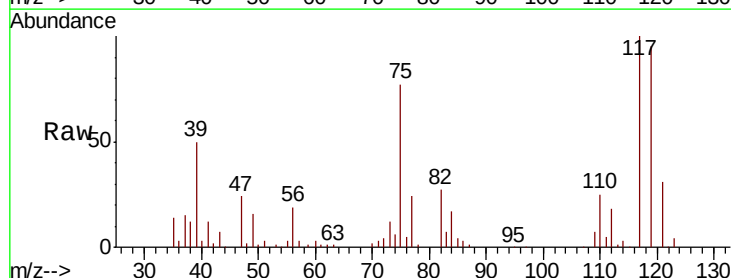
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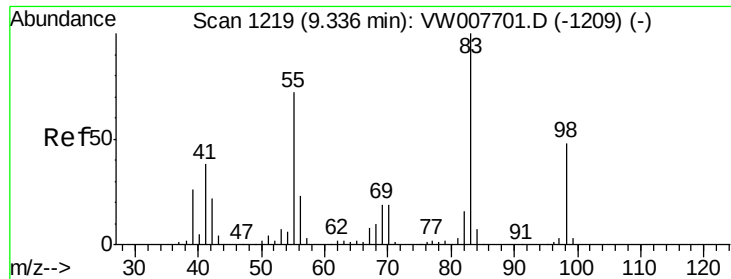
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#38
Carbon Tetrachloride
Concen: 42.086 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	78.2	117.2
121	31.5	26.1	39.1





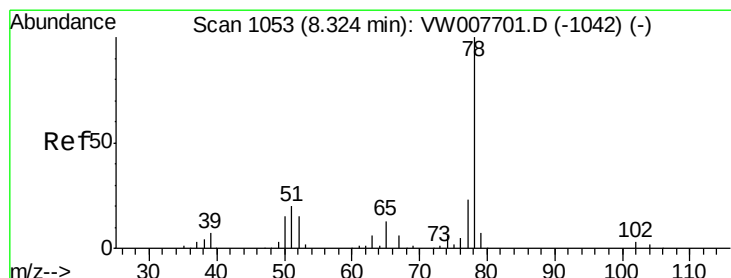
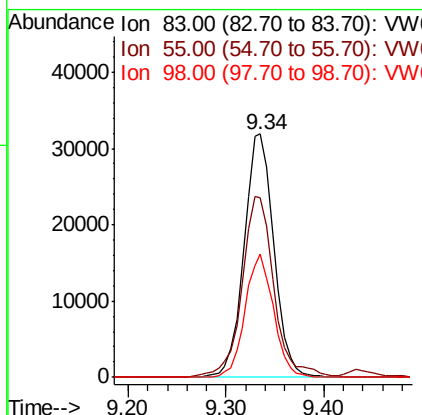
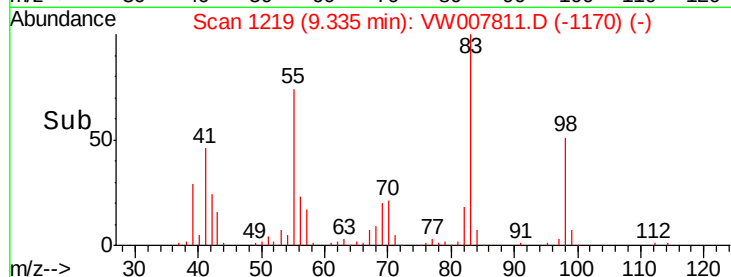
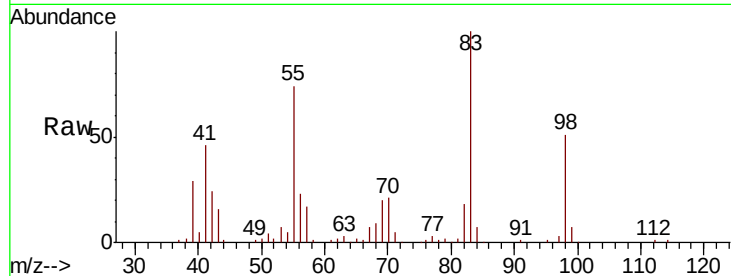
#39
Methylvlcyclohexane
Concen: 50.368 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	57.2	85.8
98	50.7	38.6	58.0

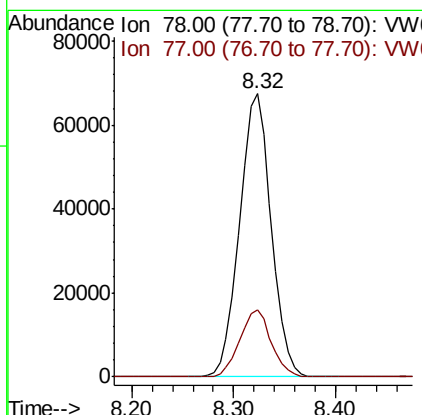
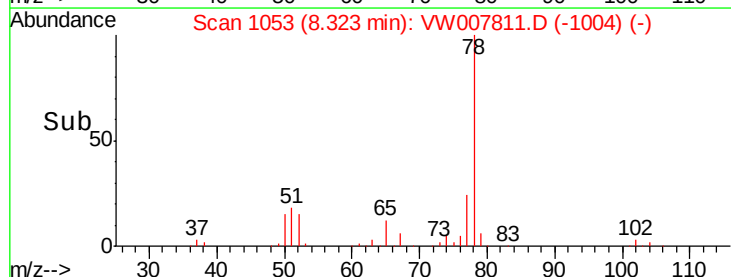
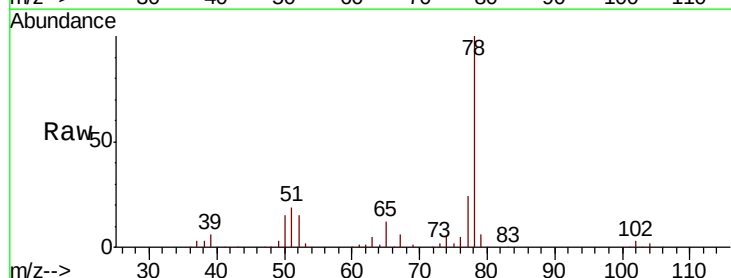
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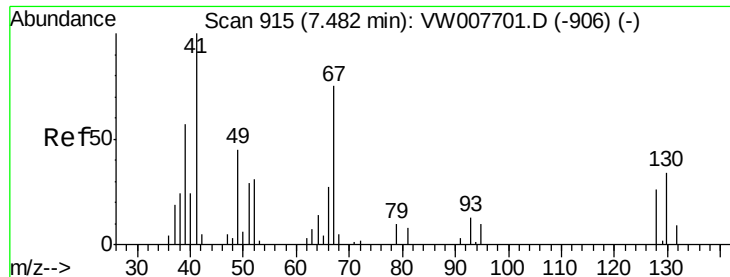
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#40
Benzene
Concen: 50.443 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





#41

Methacrylonitrile

Concen: 64.128 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

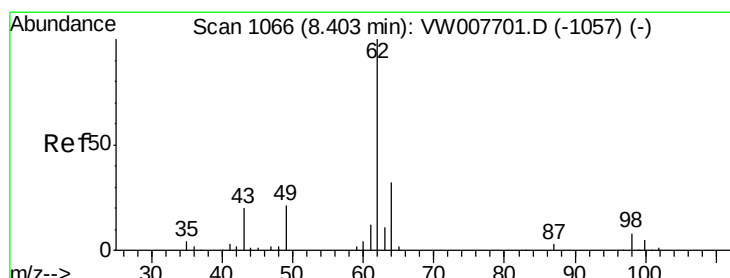
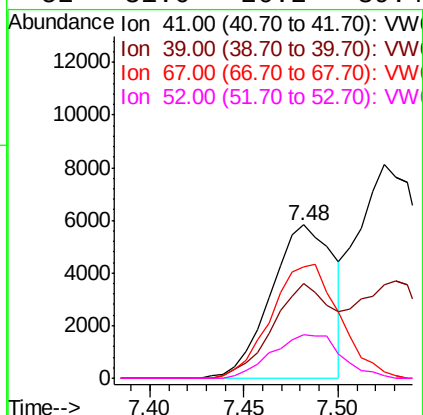
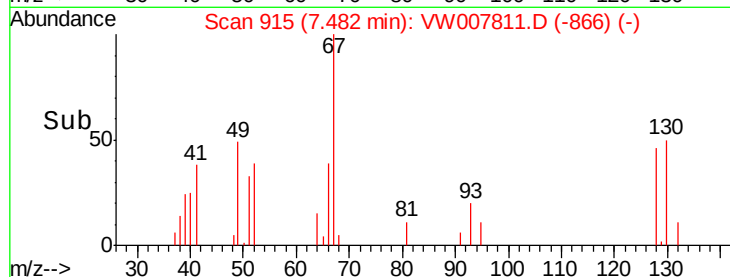
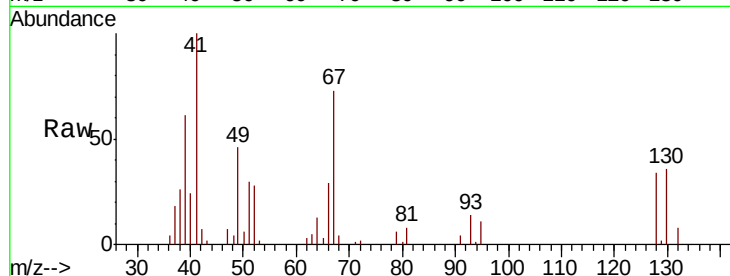
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.4	54.2	81.4	
67	80.1	65.7	98.5	
52	31.0	26.2	39.4	

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#42

1,2-Dichloroethane

Concen: 51.072 ug/l

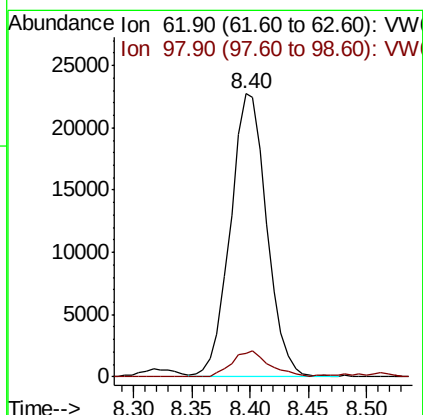
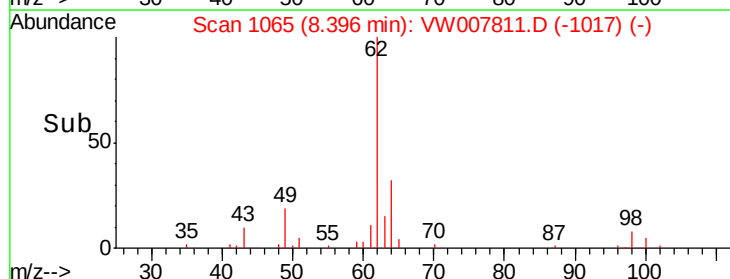
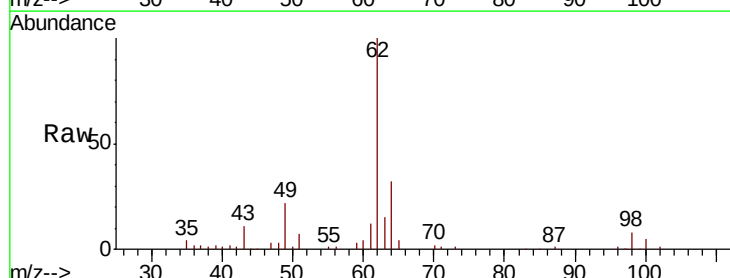
RT: 8.40 min Scan# 1065

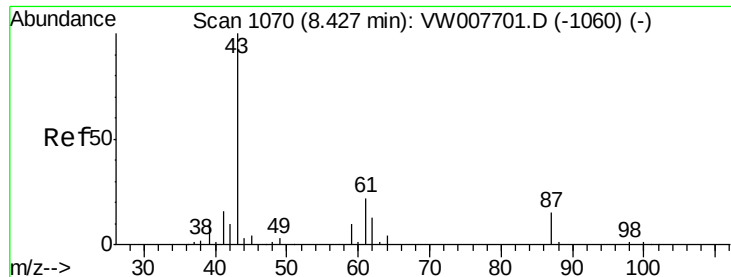
Delta R.T. -0.01 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	16.6	





#43

Isopropyl Acetate

Concen: 68.275 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

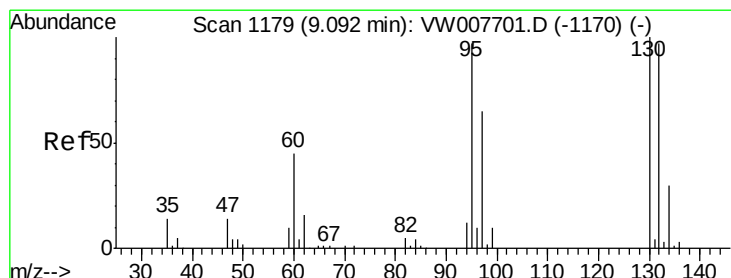
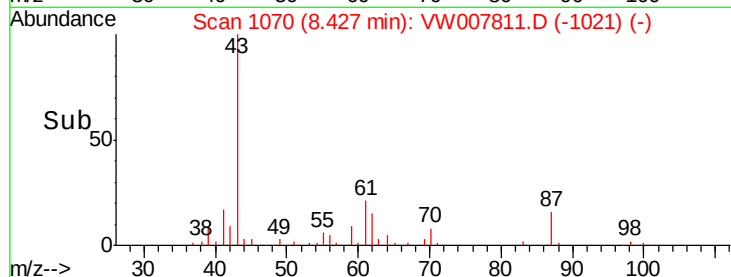
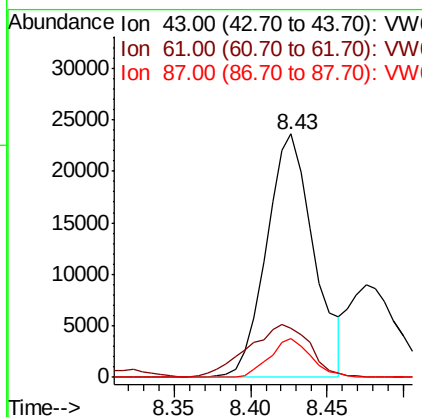
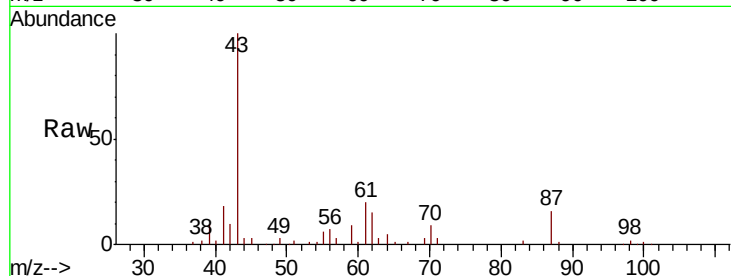
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion:	43	Resp:	50775
Ion	Ratio	Lower	Upper
43	100		
61	28.4	26.3	39.5
87	13.9	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 48.144 ug/l

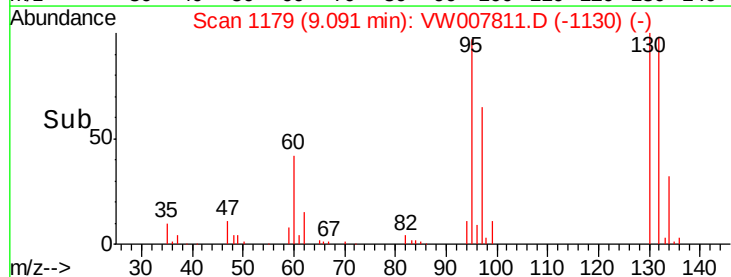
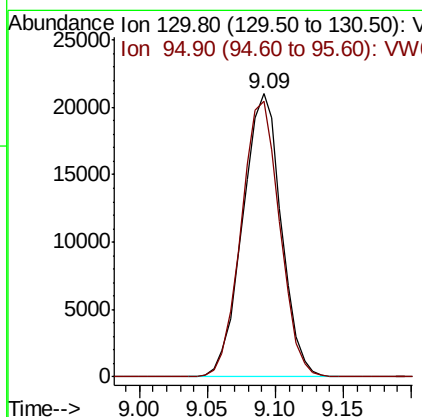
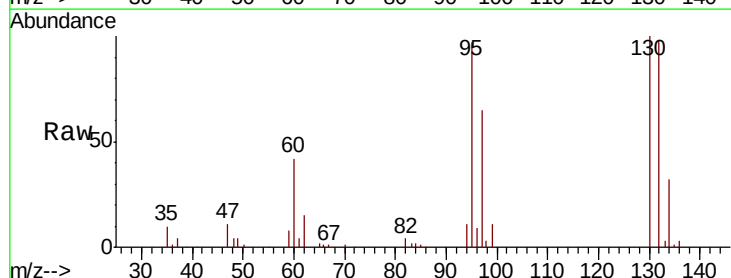
RT: 9.09 min Scan# 1179

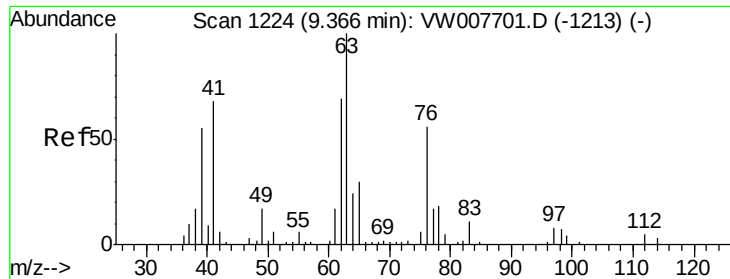
Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion:	130	Resp:	41788
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	194.8





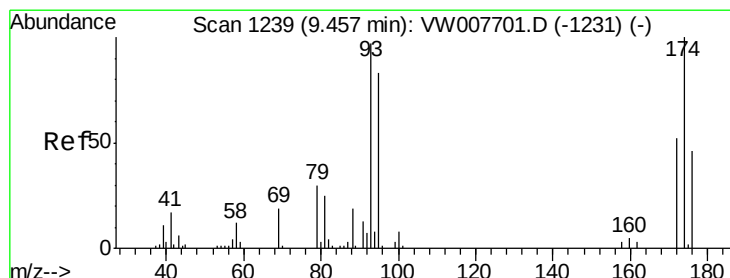
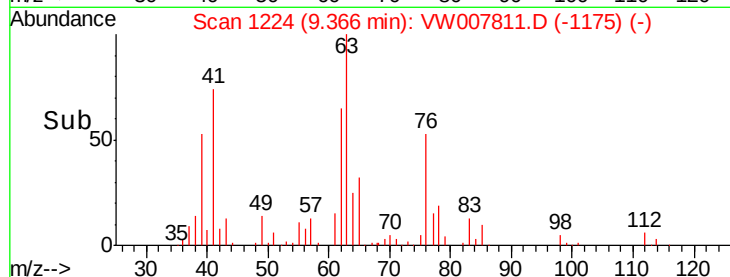
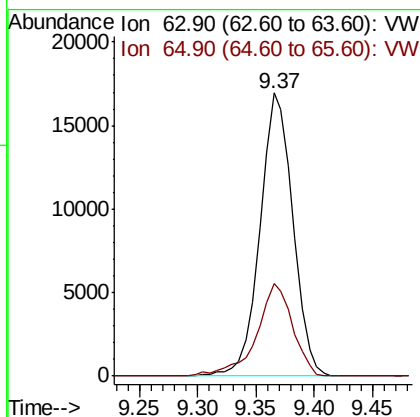
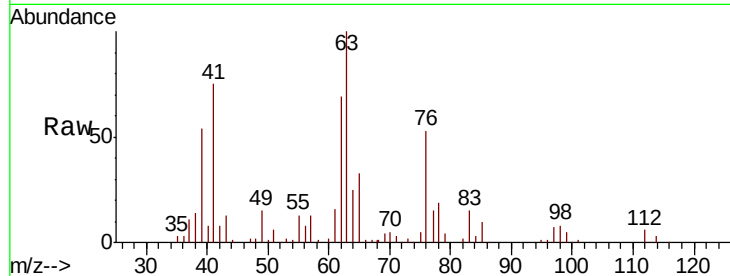
#45
 1,2-Dichloropropane
 Concen: 52.308 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	32.8		23.8	35.8

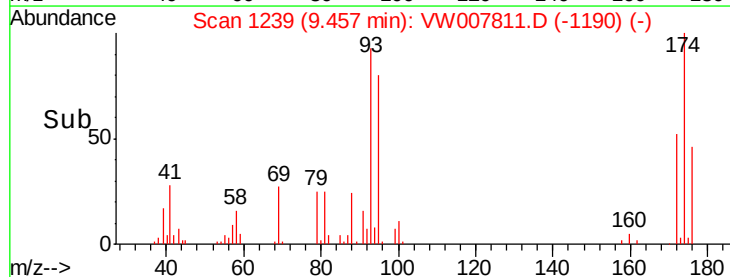
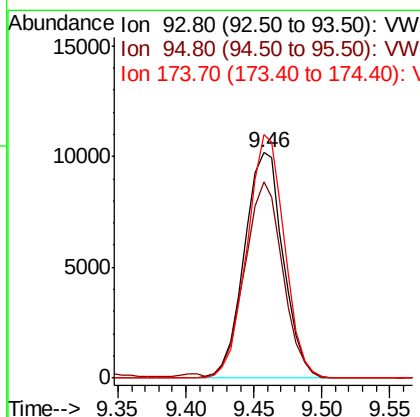
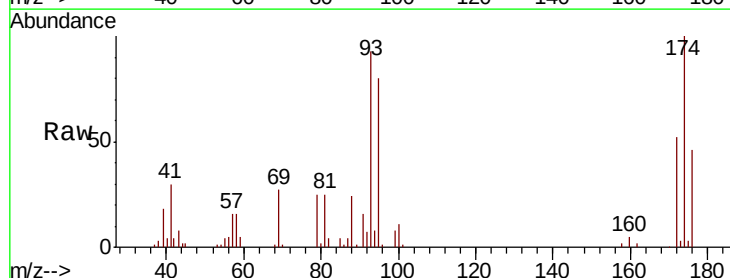
Manual Integrations
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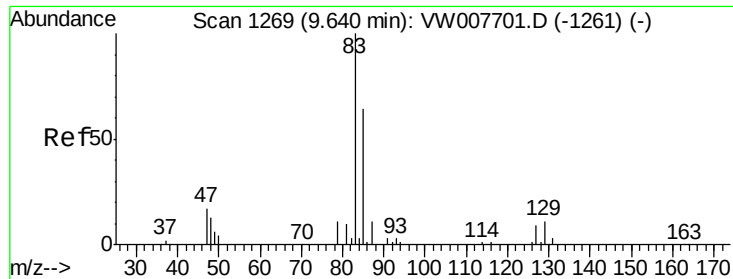
MMDadoda
 12/26/2018 10:59:24 AM



#46
 Dibromomethane
 Concen: 52.084 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	85.5		67.5	101.3
174	103.6		83.9	125.9





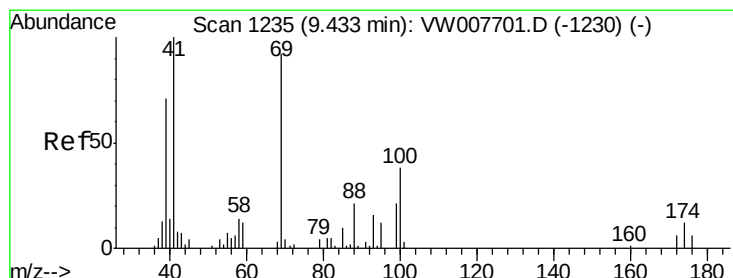
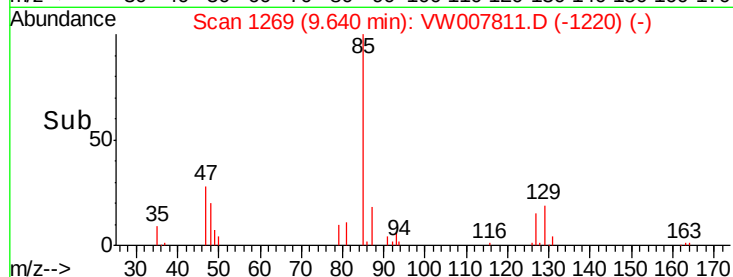
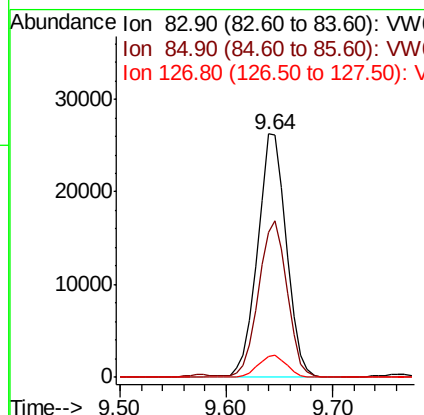
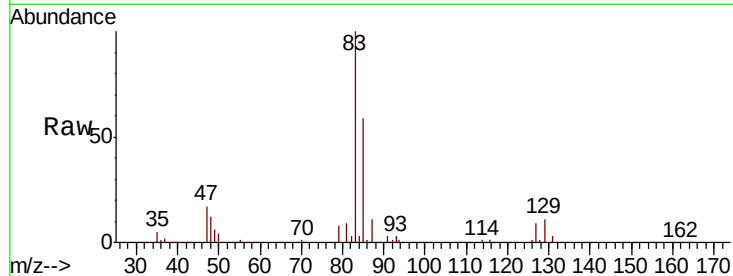
#47
Bromodichloromethane
Concen: 48.758 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	50252		
85	59.4		51.4	77.0
127	8.6		7.5	11.3

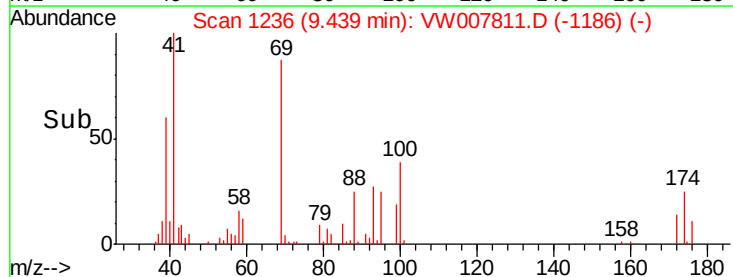
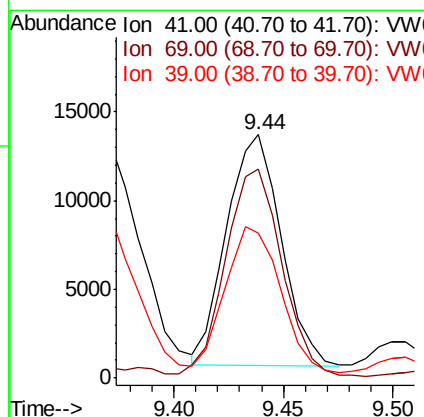
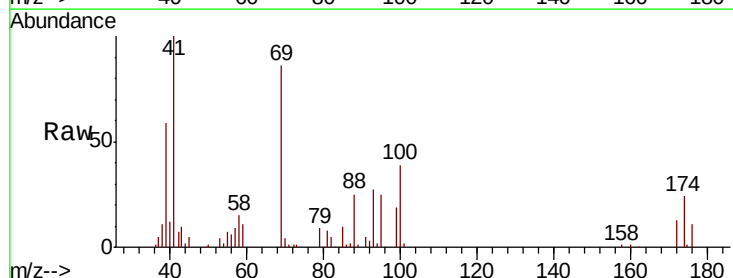
Manual Integrations
APPROVED

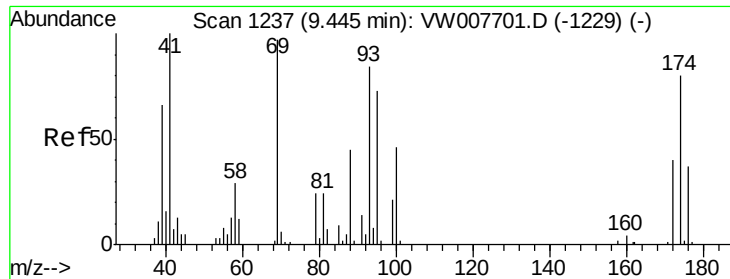
MMDadoda
12/26/2018 10:59:24 AM



#48
Methyl methacrylate
Concen: 60.693 ug/l m
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	22530		
69	95.2		74.2	111.2
39	69.6		53.9	80.9





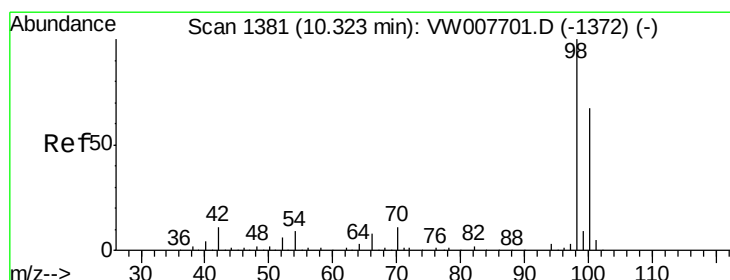
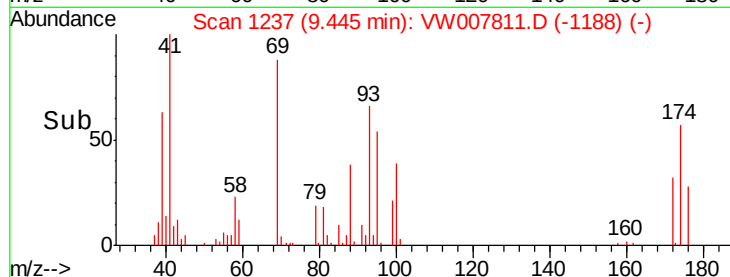
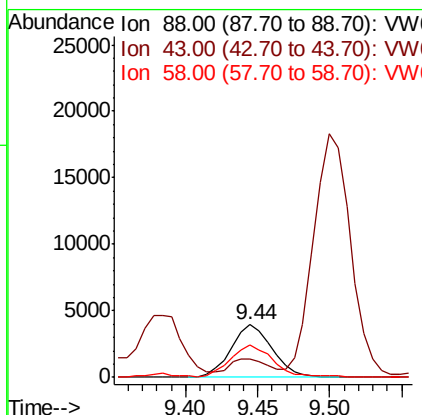
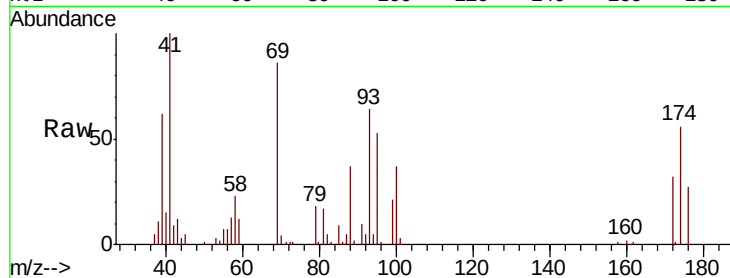
#49
1,4-Dioxane
Concen: 1270.357 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.6	38.4
58	65.3	52.3	78.5

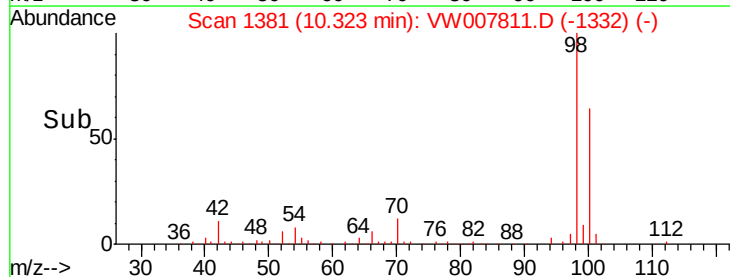
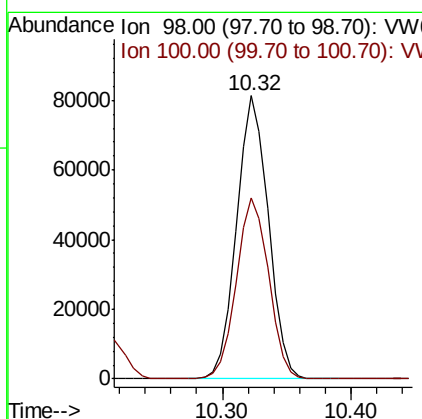
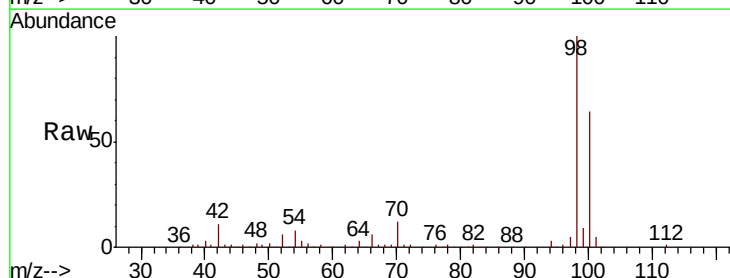
Manual Integrations
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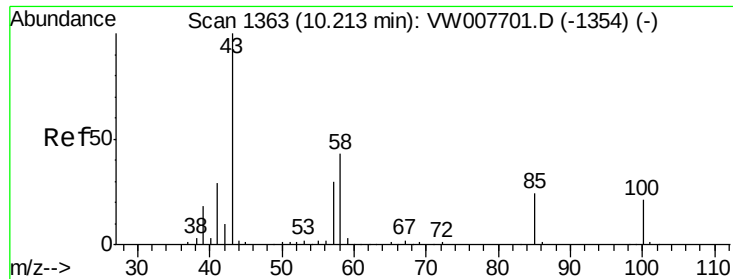
MMDadoda
12/26/2018 10:59:24 AM



#50
Toluene-d8
Concen: 54.200 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 323.278 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion: 43 Resp: 113620

Ion Ratio Lower Upper

43 100

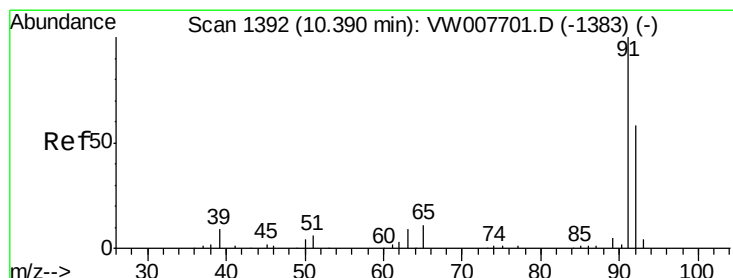
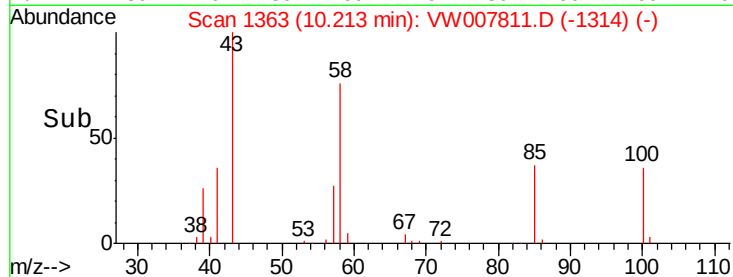
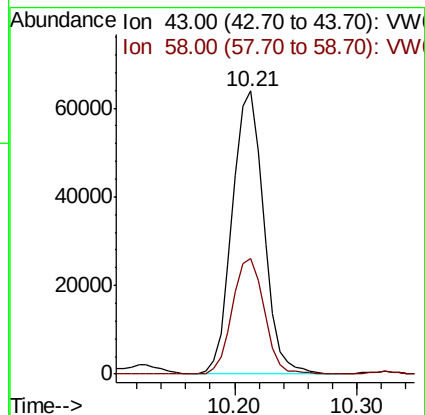
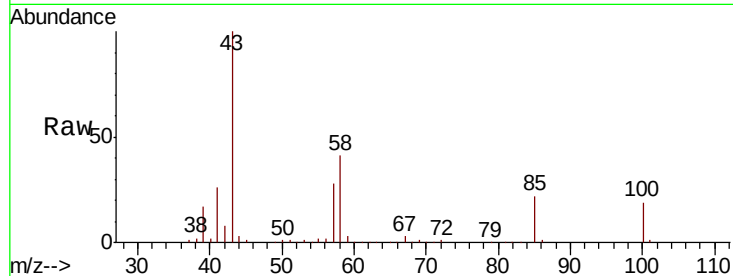
58 41.2 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 51.396 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007811.D

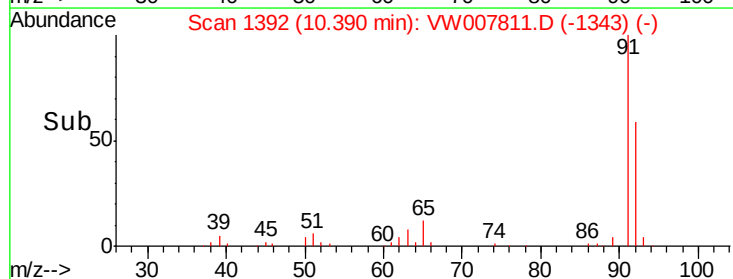
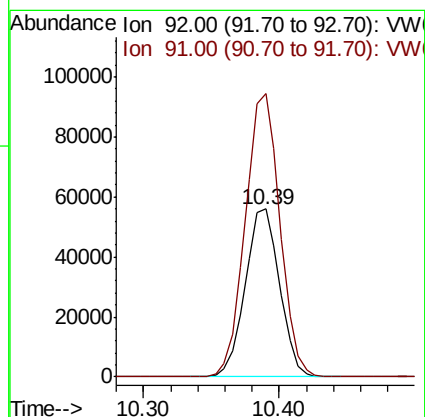
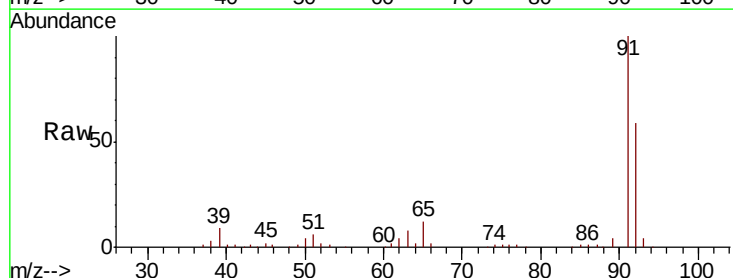
Acq: 21 Dec 2018 22:26

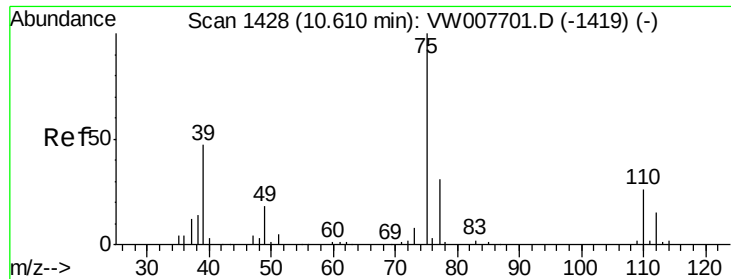
Tgt Ion: 92 Resp: 98973

Ion Ratio Lower Upper

92 100

91 169.8 137.0 205.4





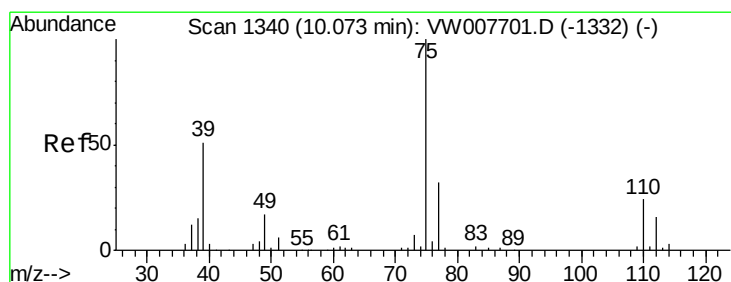
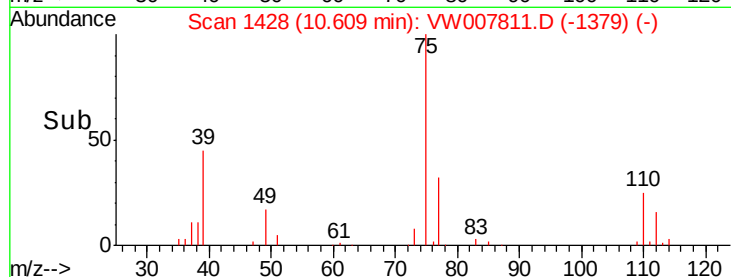
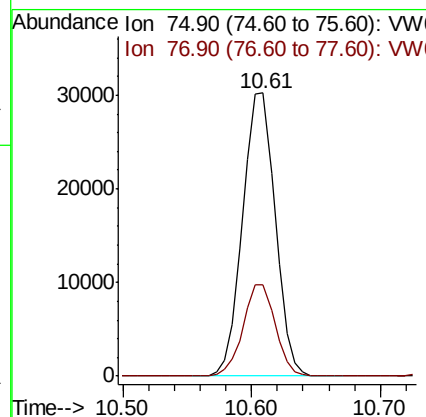
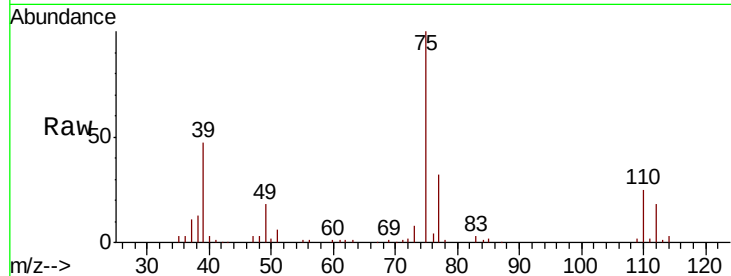
#53
 t-1,3-Dichloropropene
 Concen: 51.775 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tot Ion: 75 Resp: 53077
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.2 37.8

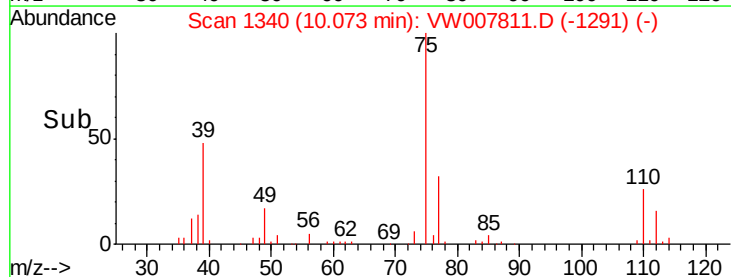
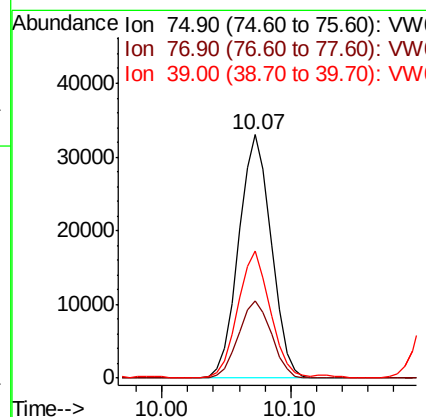
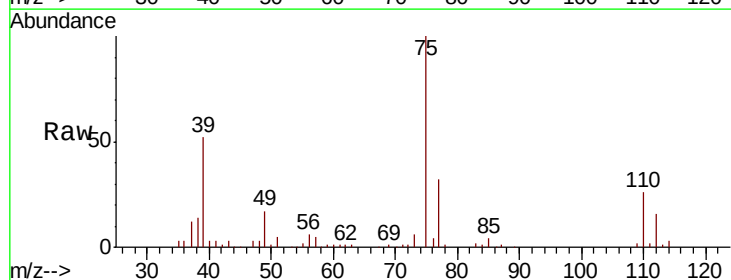
Manual Integrations
 APPROVED

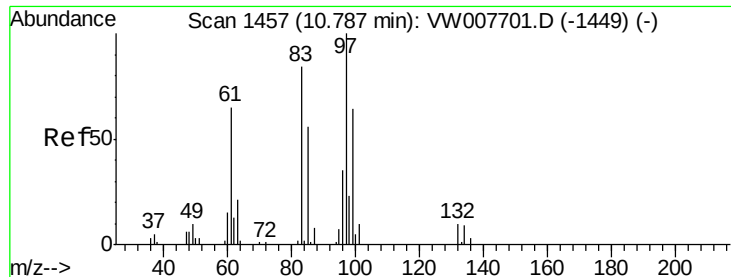
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#54
 cis-1,3-Dichloropropene
 Concen: 51.139 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Tgt Ion: 75 Resp: 57907
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 52.1 41.2 61.8





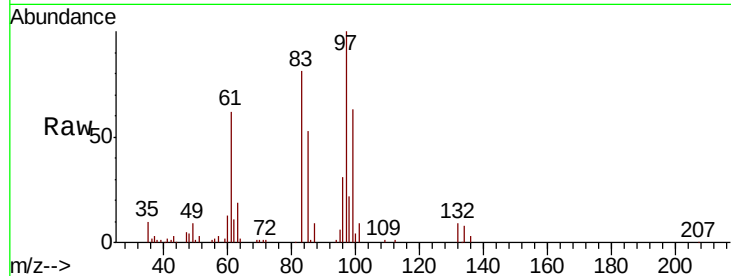
#55
 1,1,2-Trichloroethane
 Concen: 60.724 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tot Ion:	97	Resp:	32819
Ion	Ratio	Lower	Upper
97	100		
83	80.6	67.5	101.3
85	53.1	44.8	67.2
99	63.0	51.0	76.4

Manual Integrations
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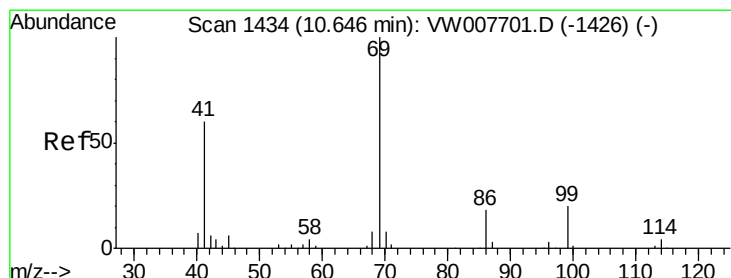
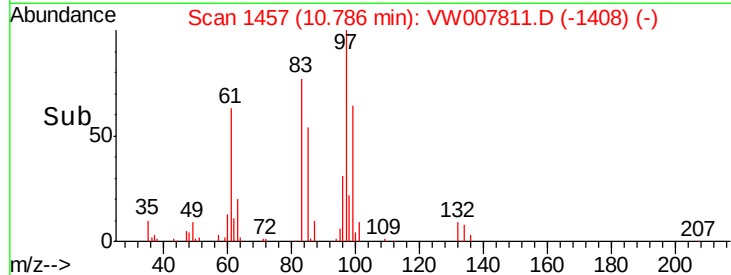
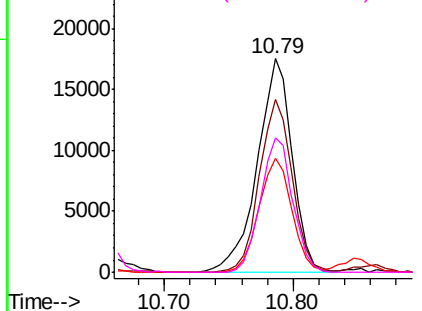
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 60.628 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

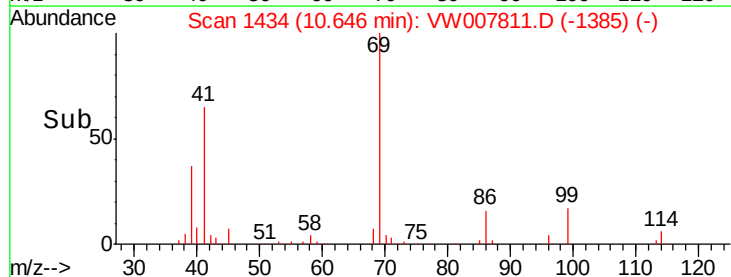
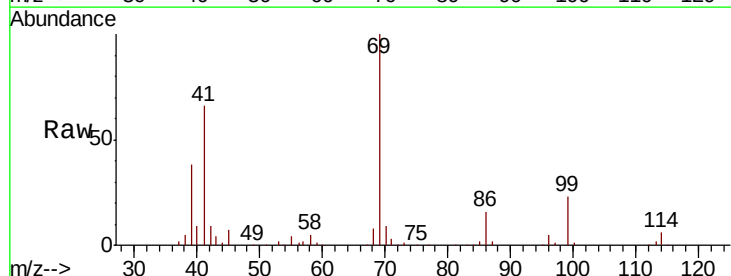
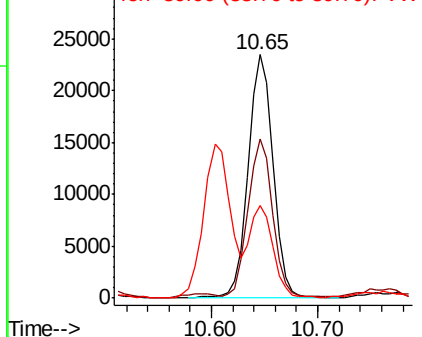
Tgt Ion:	69	Resp:	38714
Ion	Ratio	Lower	Upper
69	100		
41	64.7	48.9	73.3
39	36.7	31.3	46.9

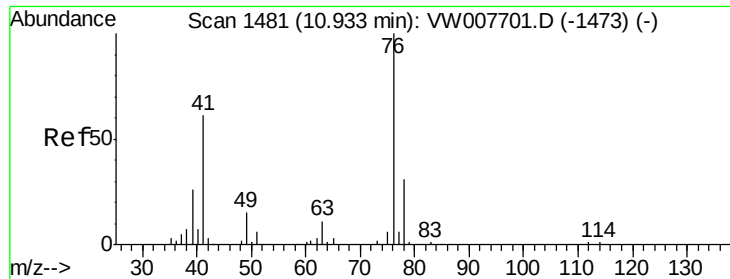
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 55.677 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion: 76 Resp: 49968

Ion Ratio Lower Upper

76 100

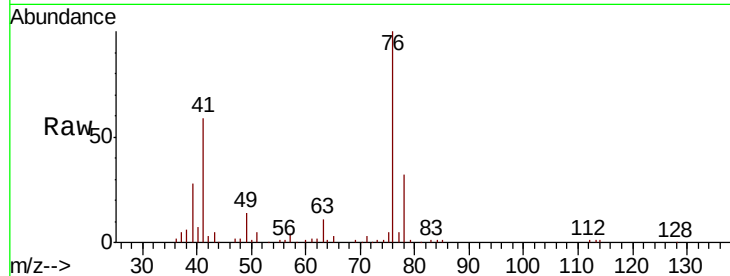
78 31.8 26.2 39.2

Manual Integrations

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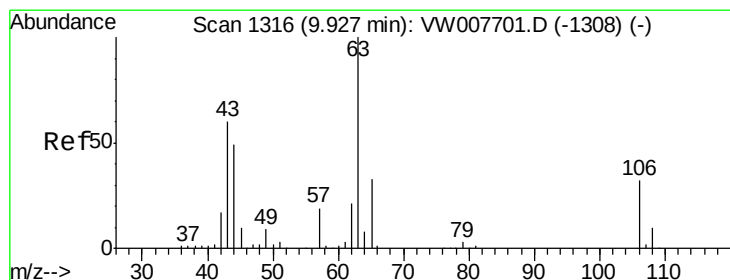
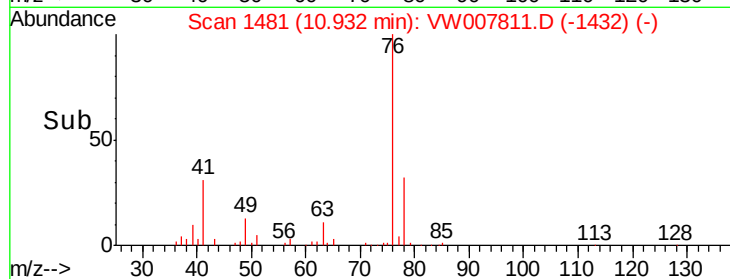
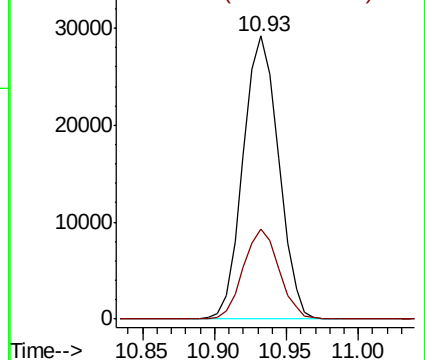
MMDadoda

12/26/2018 10:59:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 319.239 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007811.D

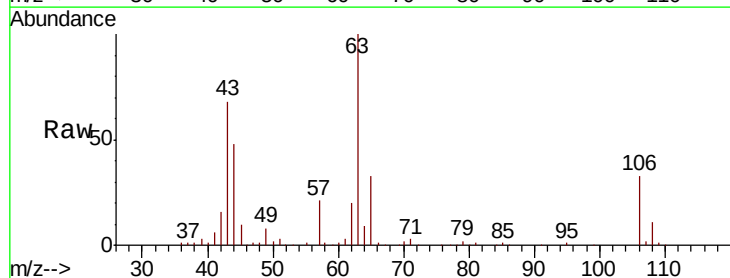
Acq: 21 Dec 2018 22:26

Tgt Ion: 63 Resp: 93073

Ion Ratio Lower Upper

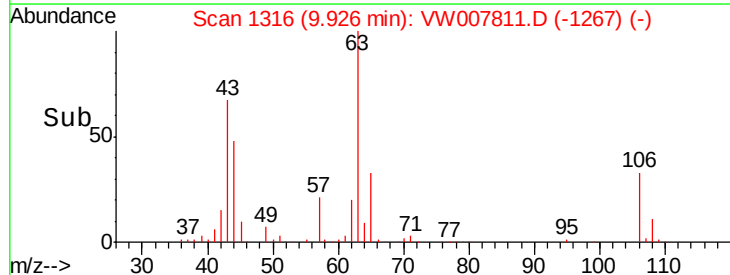
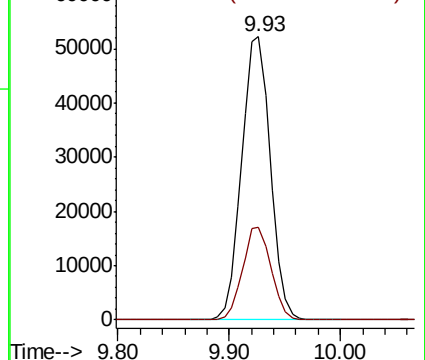
63 100

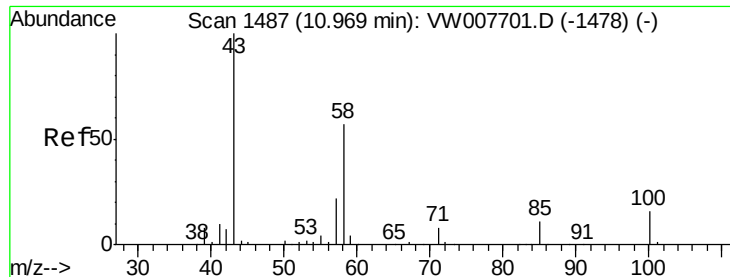
106 32.5 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





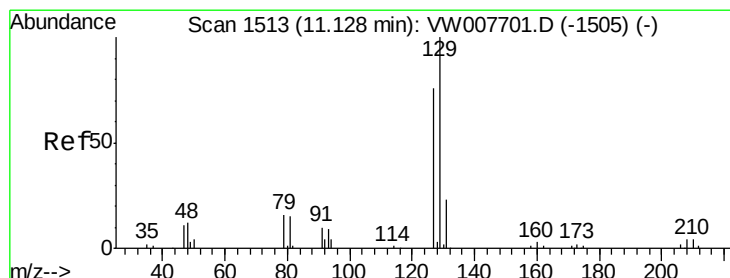
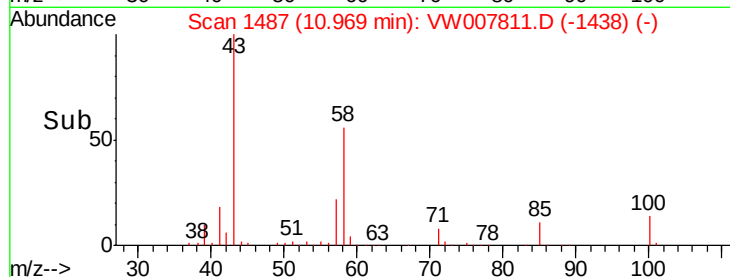
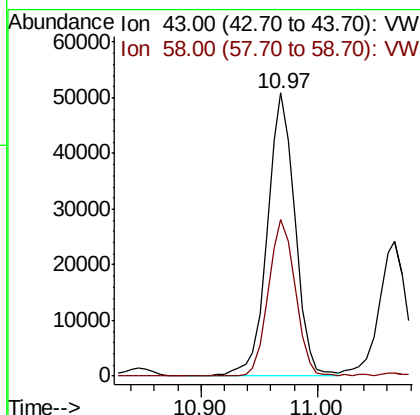
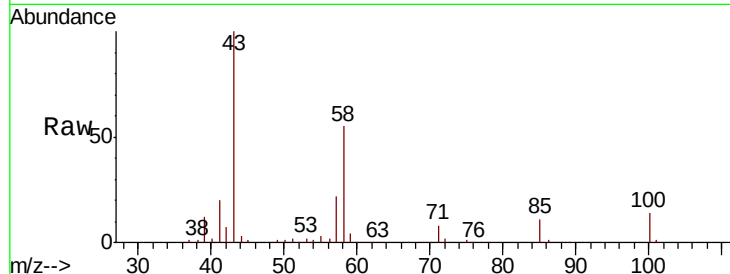
#59
2-Hexanone
Concen: 336.554 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.7	83.1

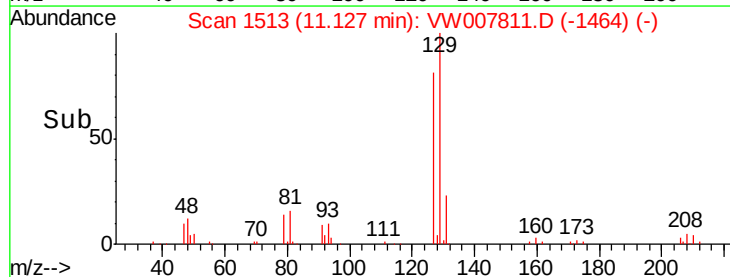
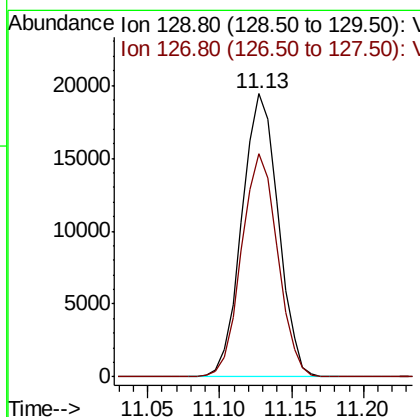
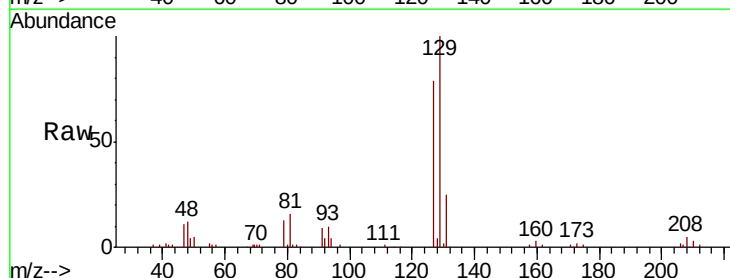
Manual Integrations
APPROVED

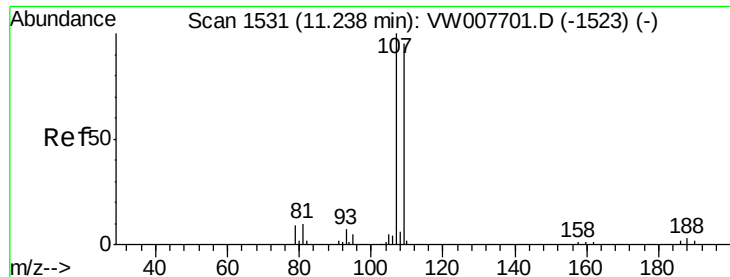
MMDadoda
12/26/2018 10:59:24 AM



#60
Dibromochloromethane
Concen: 47.476 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.3	114.9





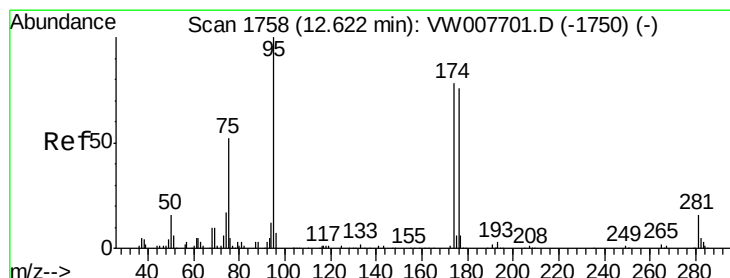
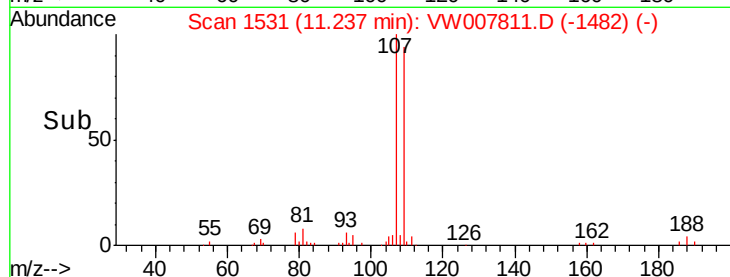
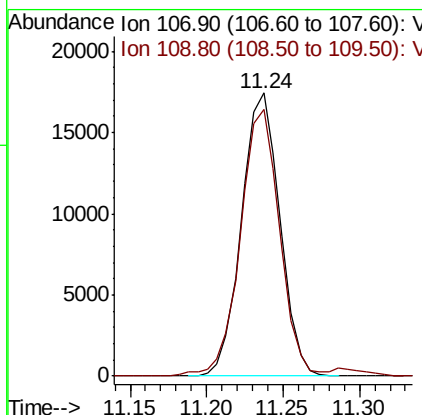
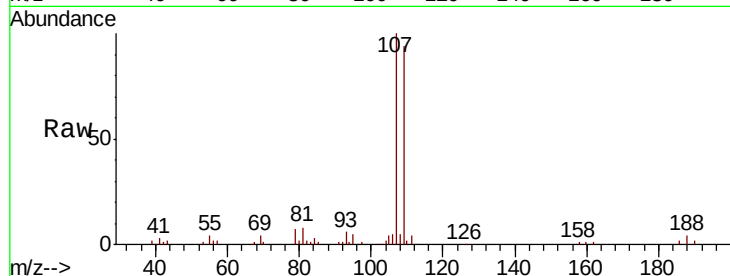
#61
 1,2-Dibromoethane
 Concen: 55.379 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.1	75.4	113.0

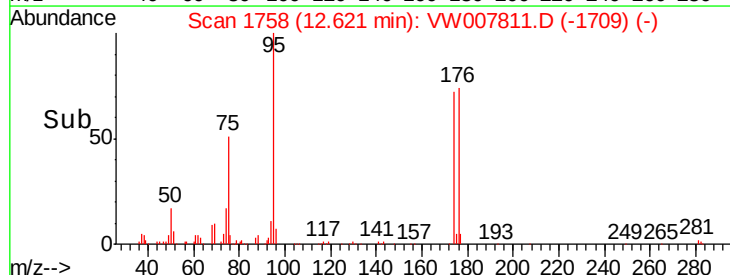
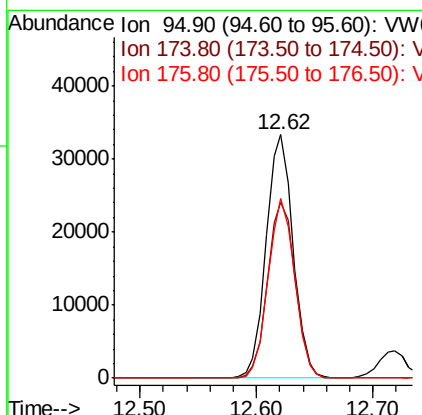
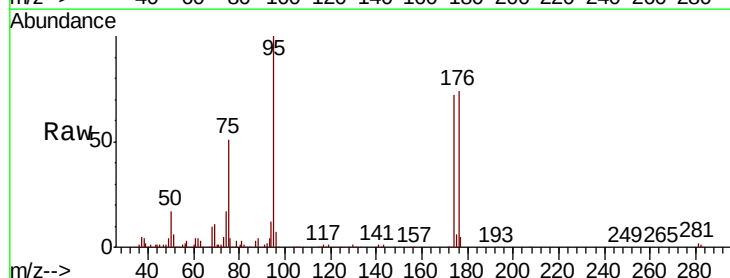
Manual Integrations
 APPROVED

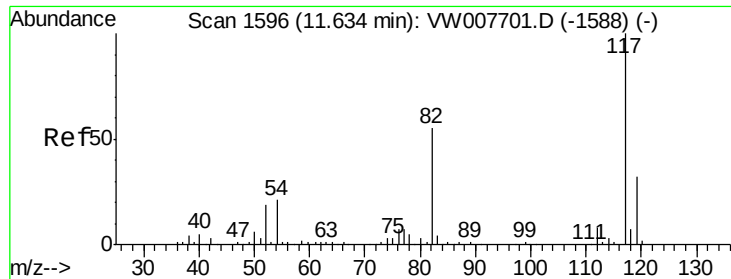
MMDadoda
 12/26/2018 10:59:24 AM



#62
 4-Bromofluorobenzene
 Concen: 54.424 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	152.2
176	72.7	0.0	146.8





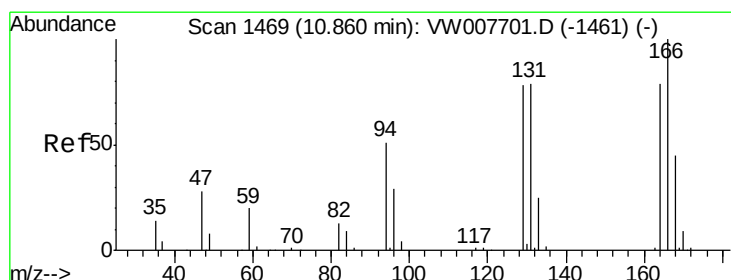
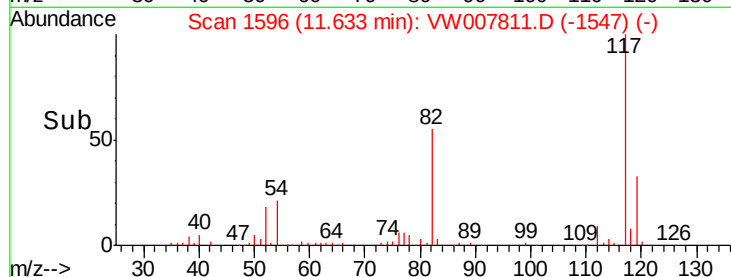
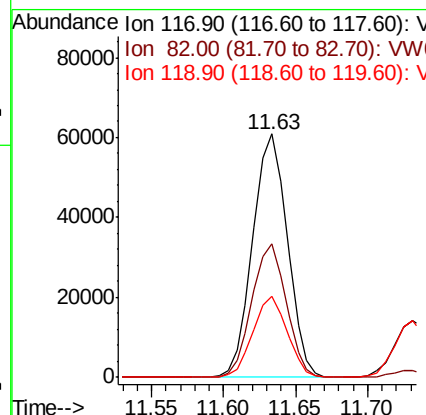
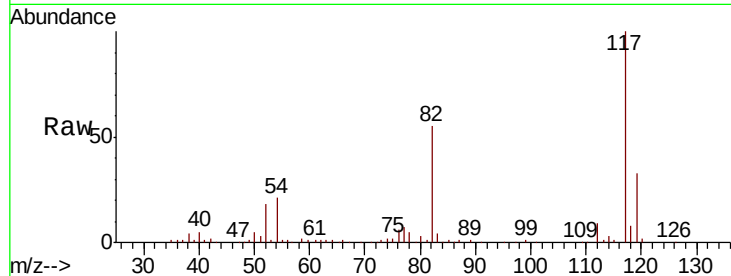
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	54.9	44.3	66.5	
119	33.1	25.7	38.5	

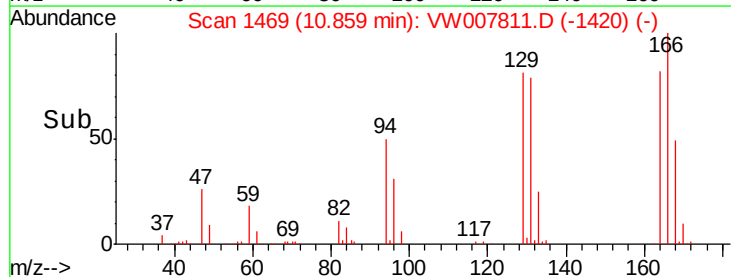
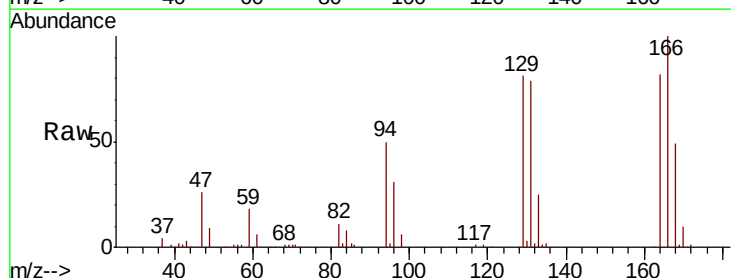
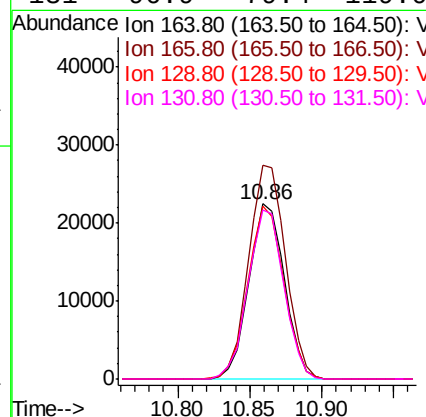
Manual Integrations
APPROVED

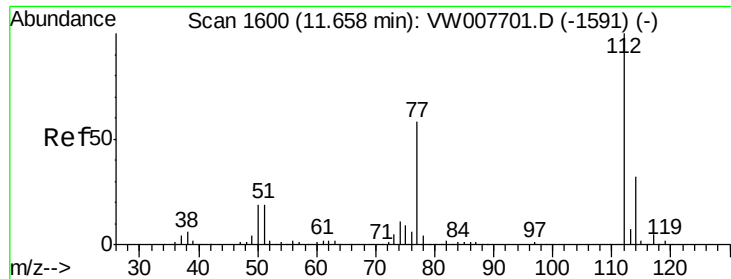
MMDadoda
12/26/2018 10:59:24 AM



#64
Tetrachloroethene
Concen: 53.293 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	122.2	101.0	151.6	
129	98.7	78.7	118.1	
131	96.9	79.4	119.0	





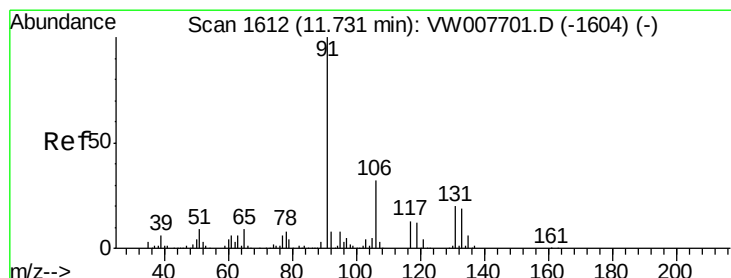
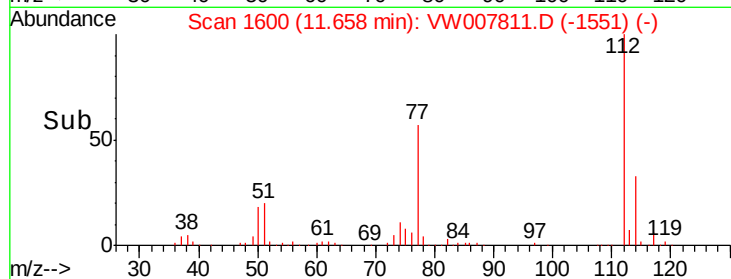
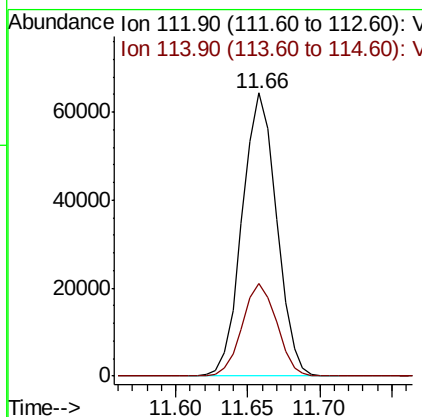
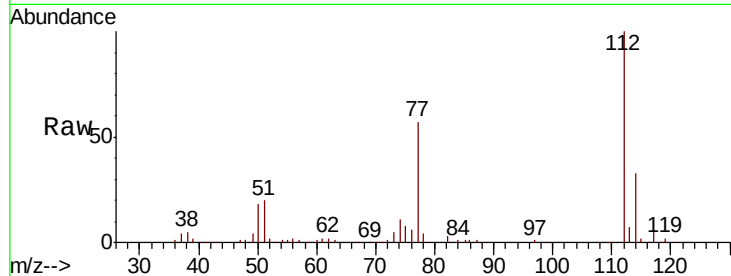
#65
Chlorobenzene
Concen: 48.449 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.2	37.8

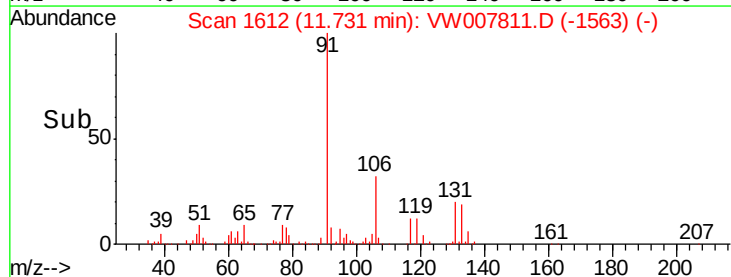
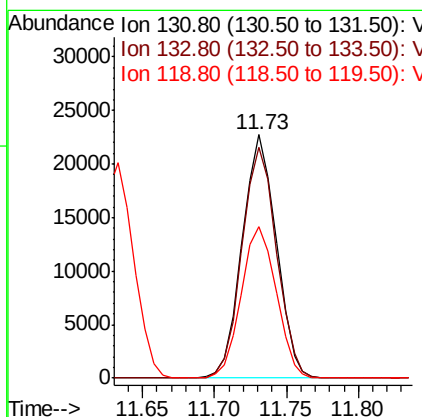
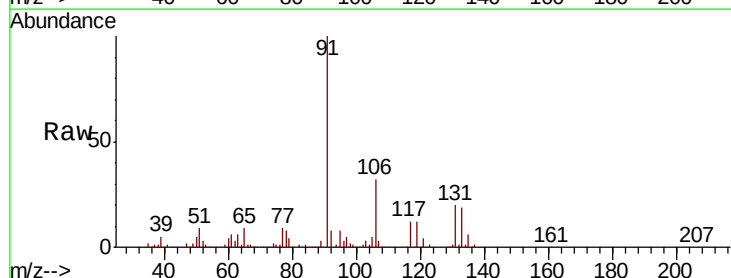
Manual Integrations
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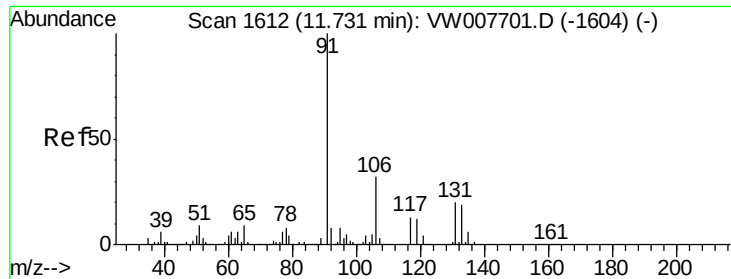
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.562 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.5	142.5
119	64.0	30.2	90.6





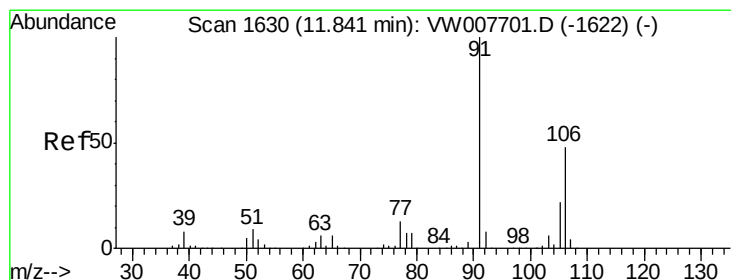
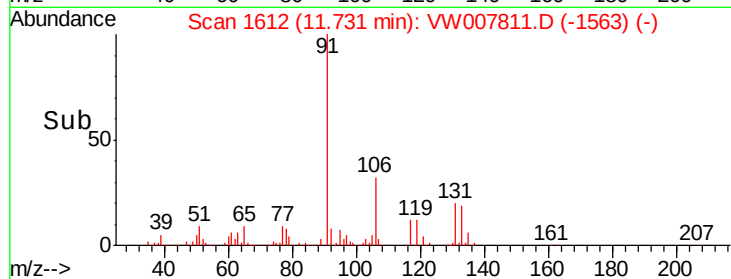
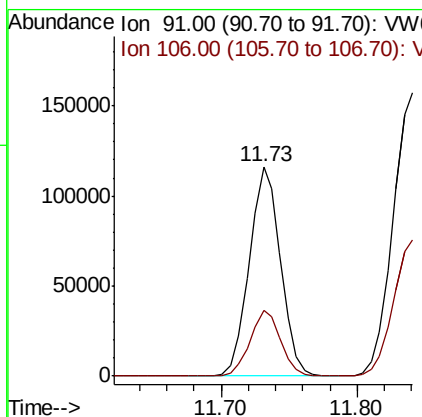
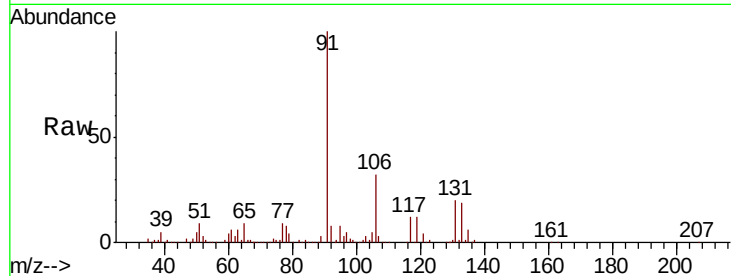
#67
Ethyl Benzene
Concen: 49.580 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	91	Resp	186944
Ion Ratio	100	Lower	Upper
106	31.6	25.8	38.8

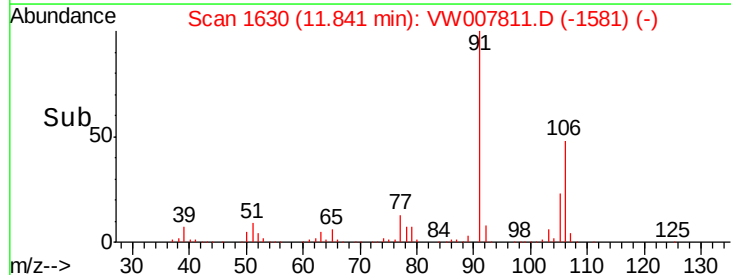
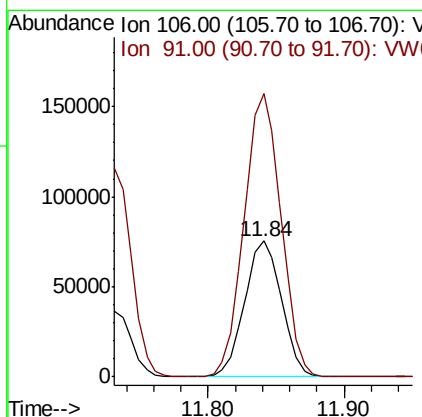
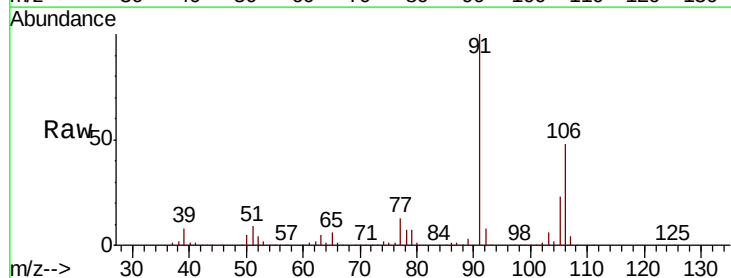
Manual Integrations
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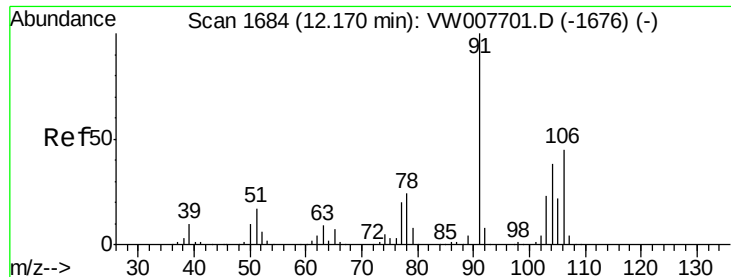
MMDadoda
12/26/2018 10:59:24 AM



#68
m/p-Xylenes
Concen: 97.750 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	106	Resp	142974
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	208.9	165.2	247.8





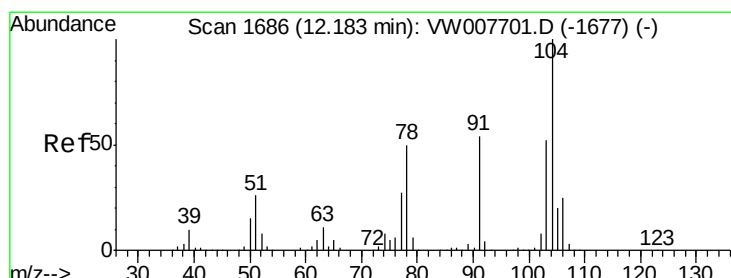
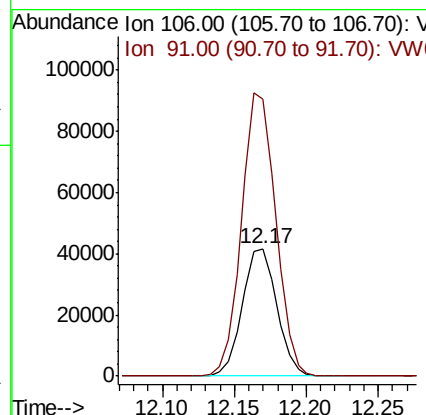
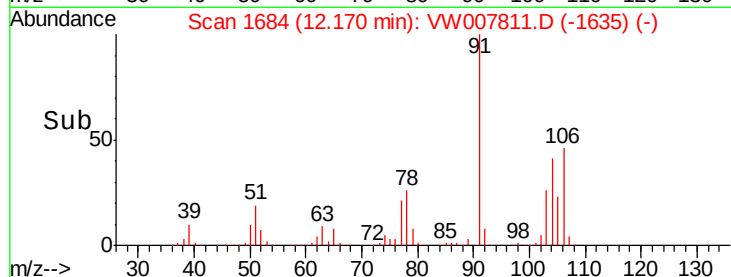
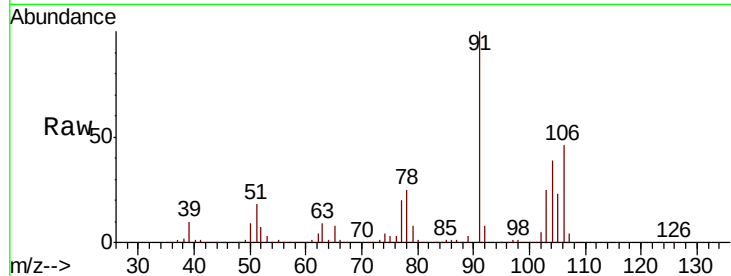
#69
o-Xylene
Concen: 50.616 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion:106 Resp: 69397
Ion Ratio Lower Upper
106 100
91 220.0 110.5 331.4

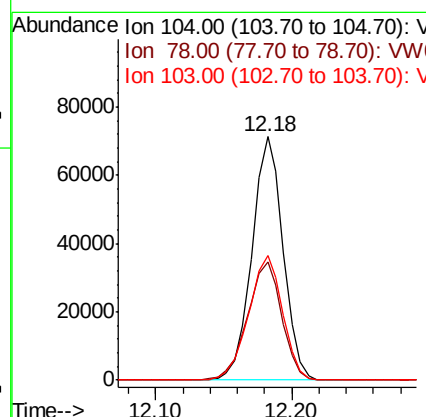
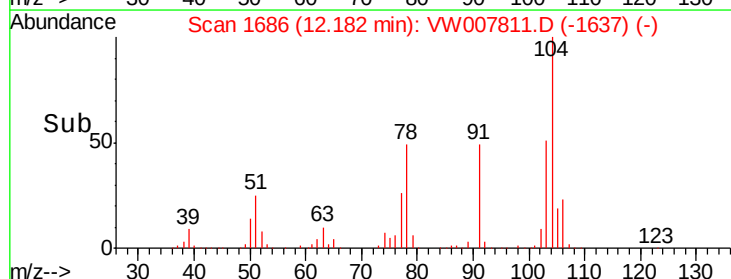
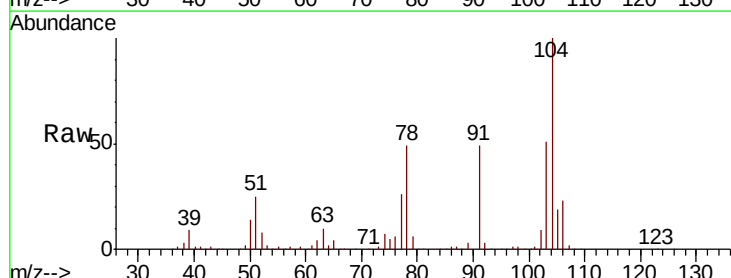
Manual Integrations
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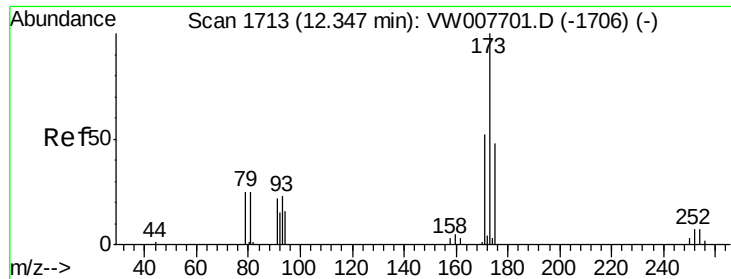
MMDadoda
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#70
Styrene
Concen: 50.657 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion:104 Resp: 114166
Ion Ratio Lower Upper
104 100
78 53.9 43.4 65.0
103 55.7 44.5 66.7





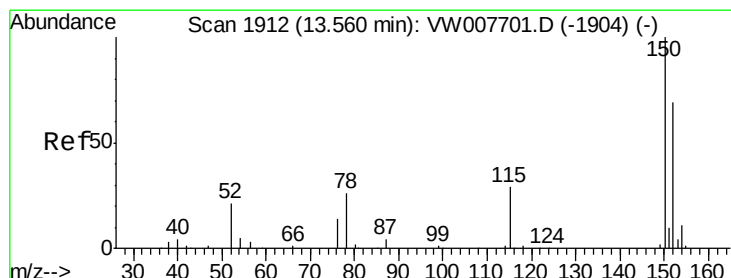
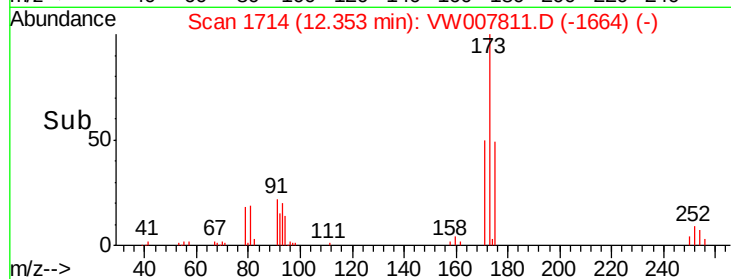
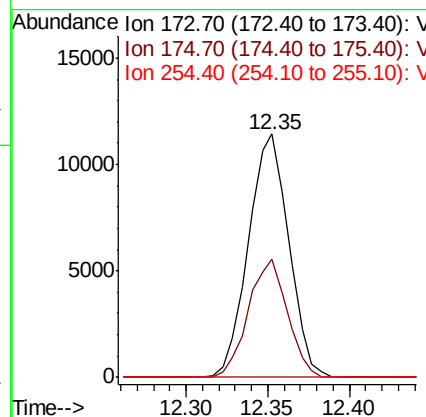
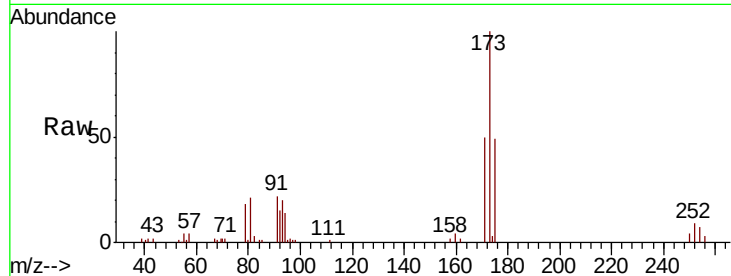
#71
Bromoform
Concen: 48.246 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.9	71.7
254	0.0	0.0	0.0

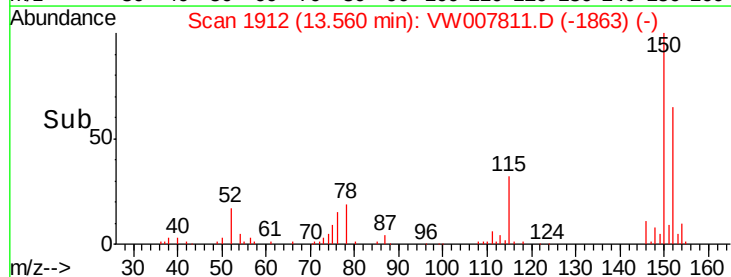
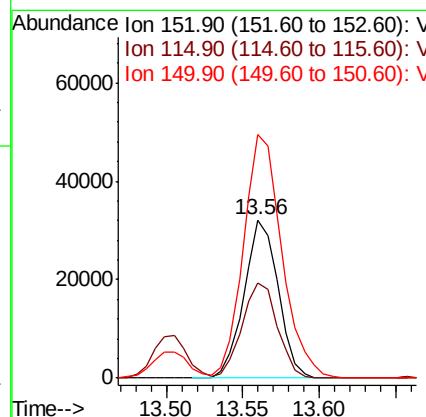
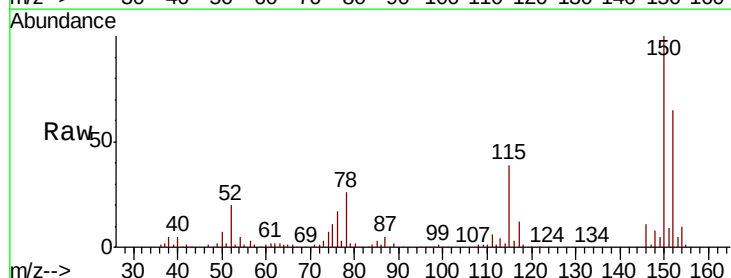
Manual Integrations
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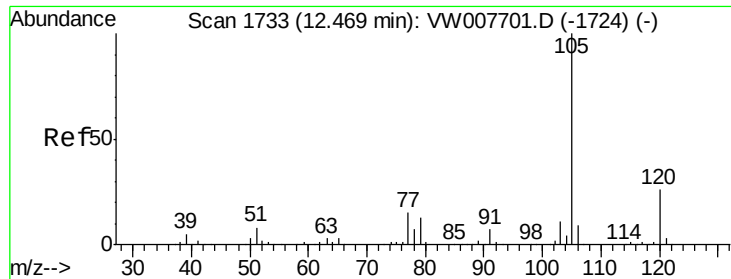
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.8	95.4
150	173.9	0.0	350.8





#73

Isopropylbenzene

Concen: 57.712 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion:105 Resp: 216453

Ion Ratio Lower Upper

105 100

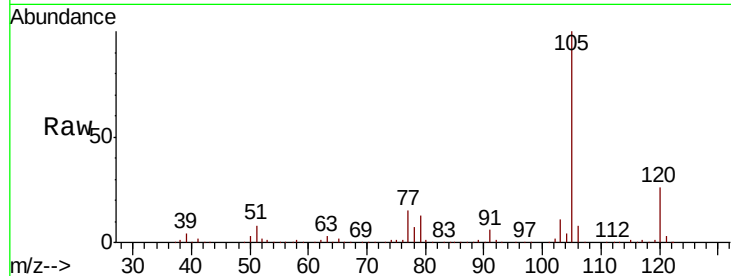
120 25.6 13.1 39.3

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

12.47

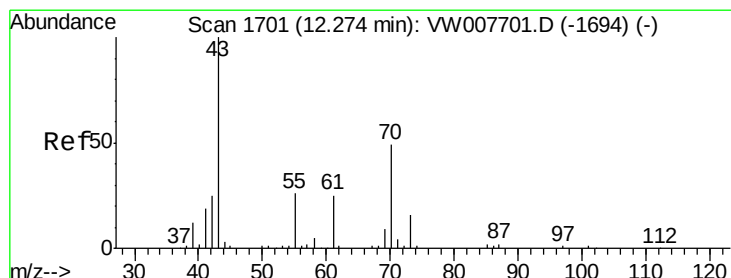
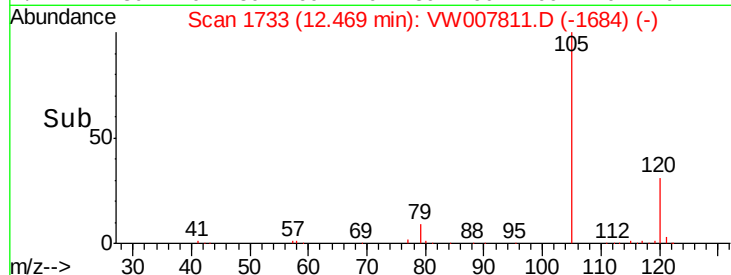
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 63.934 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion: 43 Resp: 41535

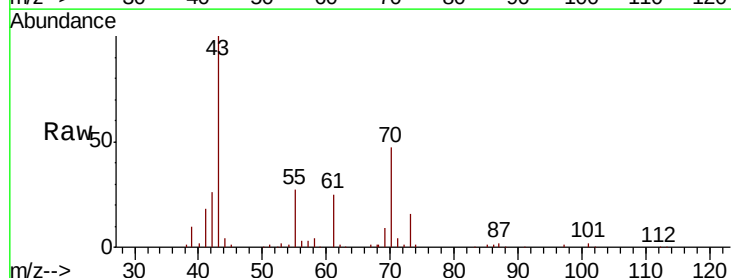
Ion Ratio Lower Upper

43 100

70 45.8 37.6 56.4

55 26.5 21.7 32.5

61 25.0 20.1 30.1



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

40000

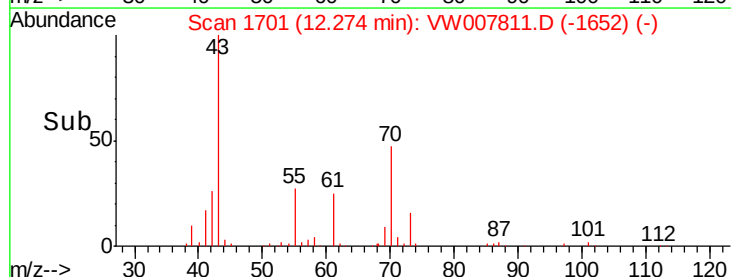
30000

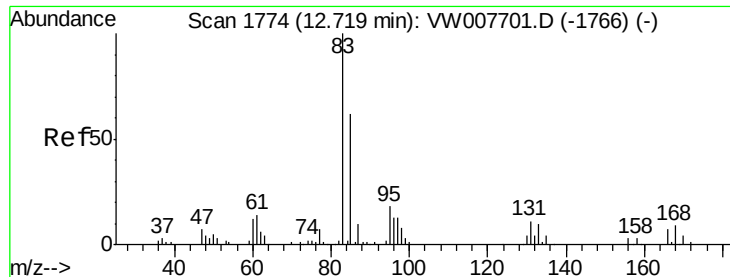
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 60.979 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

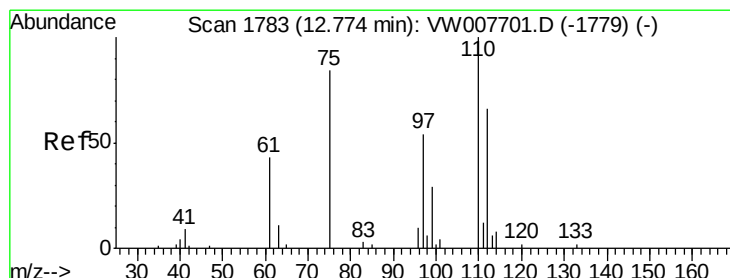
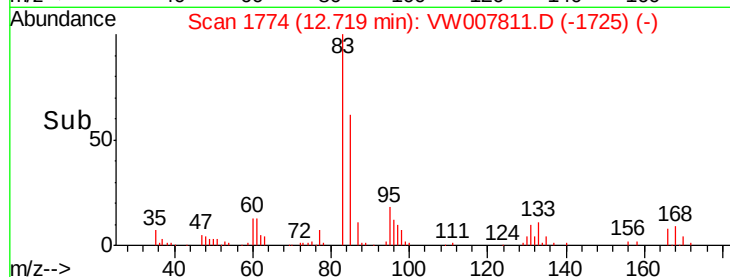
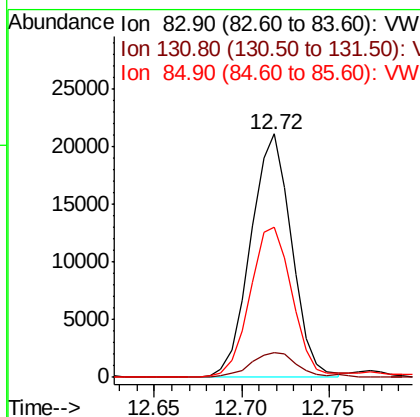
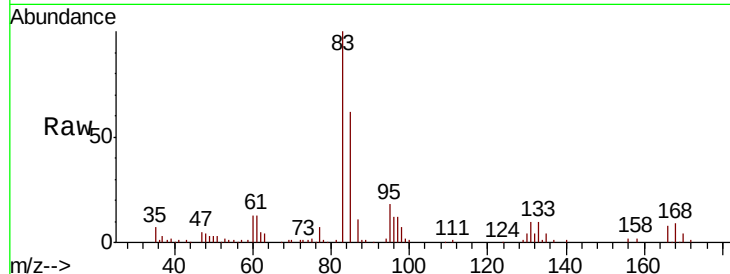
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion:	83	Resp:	34291
Ion Ratio	Lower	Upper	
83	100		
131	11.8	6.3	18.8
85	63.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 69.335 ug/l m

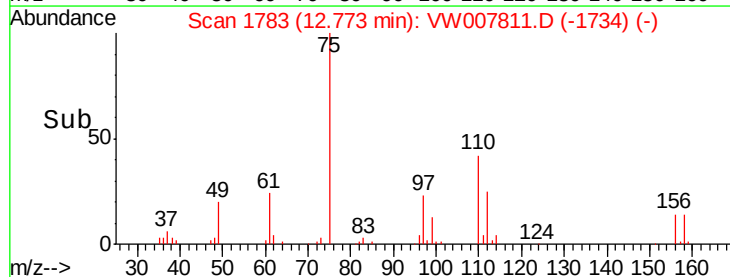
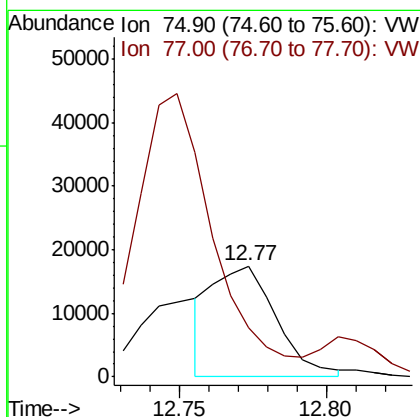
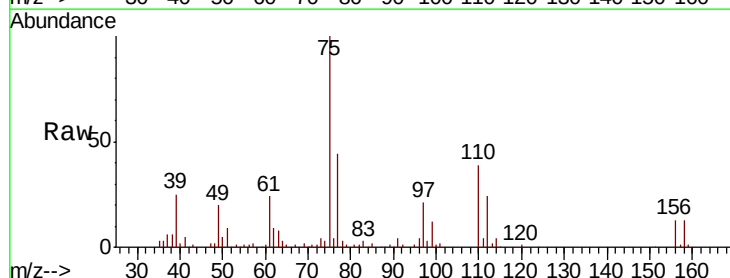
RT: 12.77 min Scan# 1783

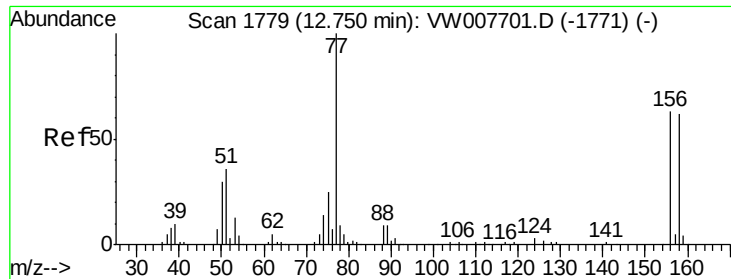
Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion:	75	Resp:	26590
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.303 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

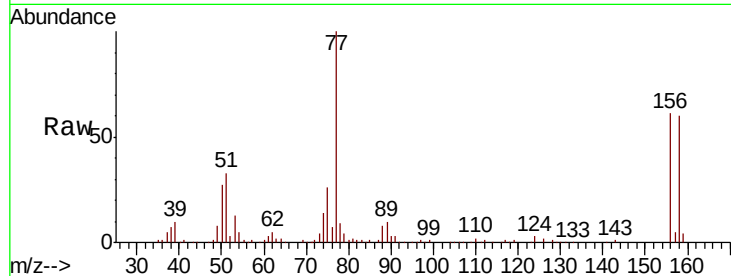
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion	156	Resp	44097
Ion	Ratio	Lower	Upper
156	100		
77	187.8	87.4	262.1
158	97.7	48.4	145.0

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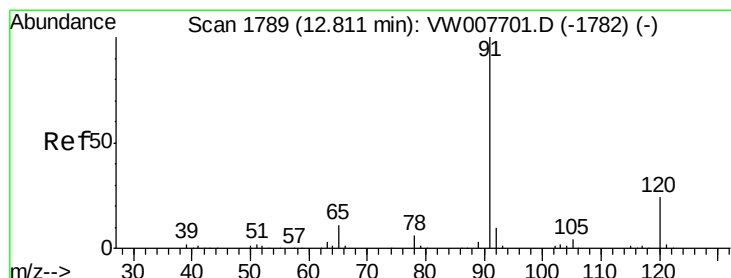
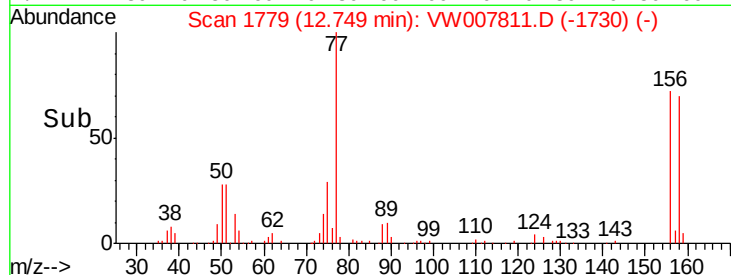
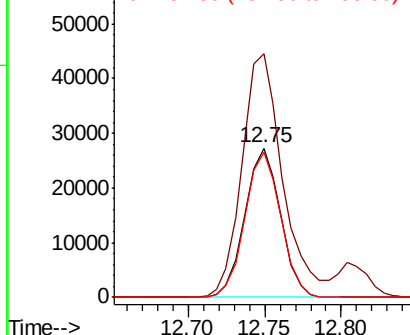


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.509 ug/l

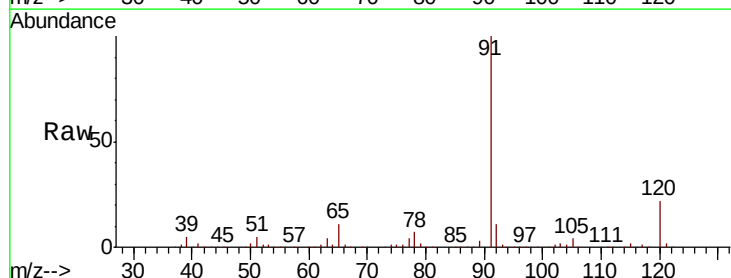
RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

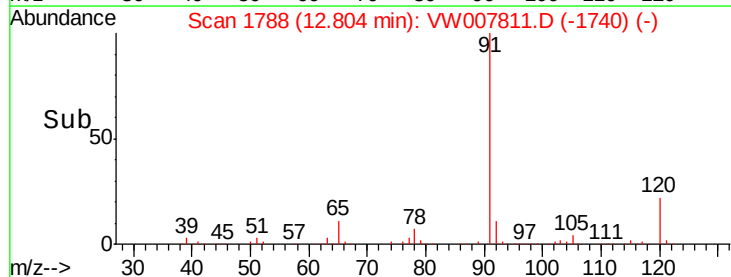
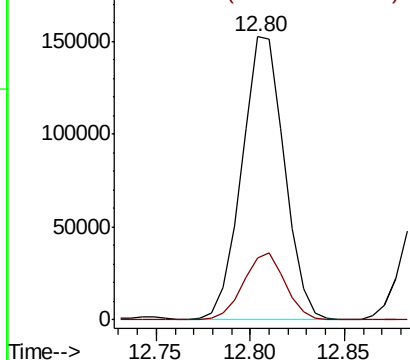
Tgt Ion	91	Resp	237980
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.7

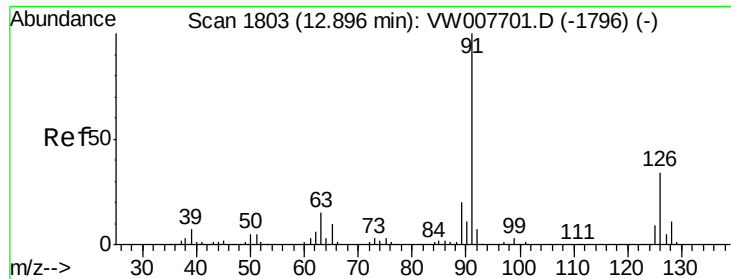


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





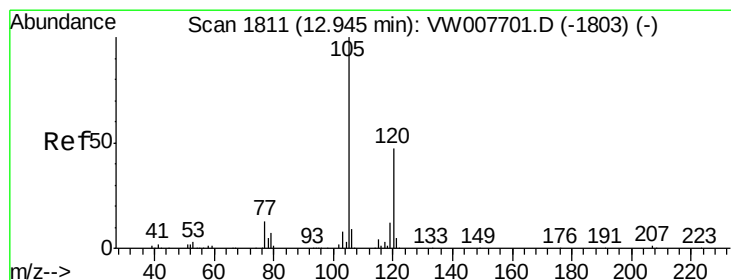
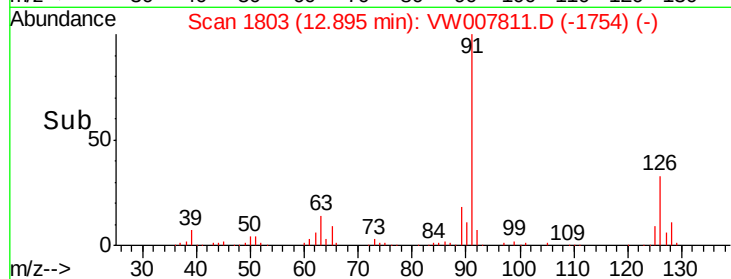
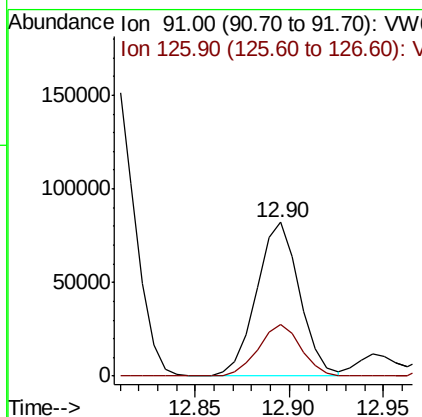
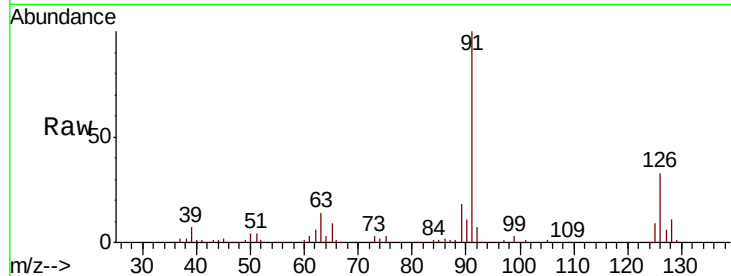
#79
 2-Chlorotoluene
 Concen: 51.229 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tot Ion: 91 Resp: 130292
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.0 51.0

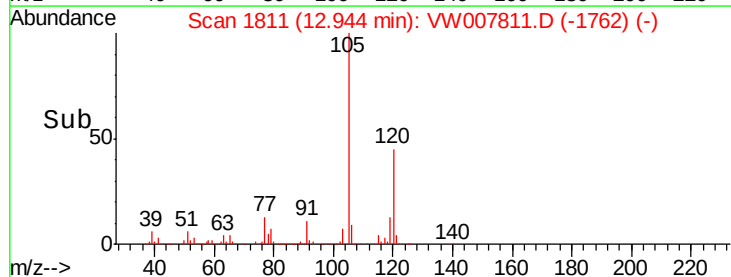
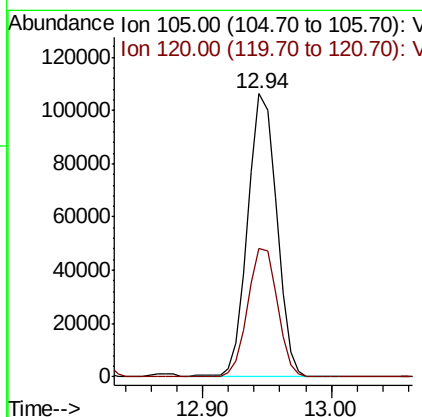
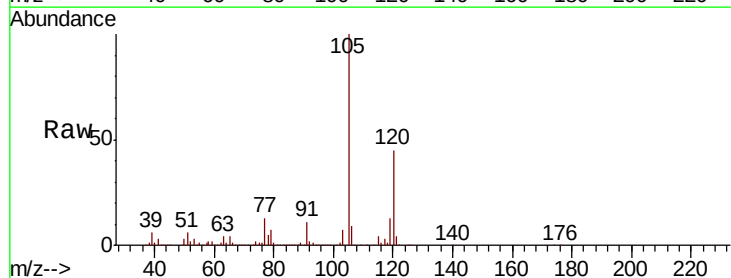
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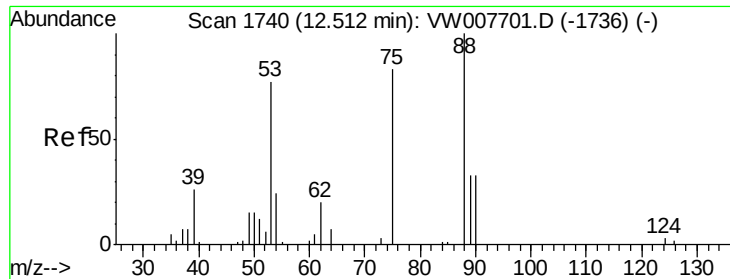
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.045 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Tgt Ion:105 Resp: 165137
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.6 70.8





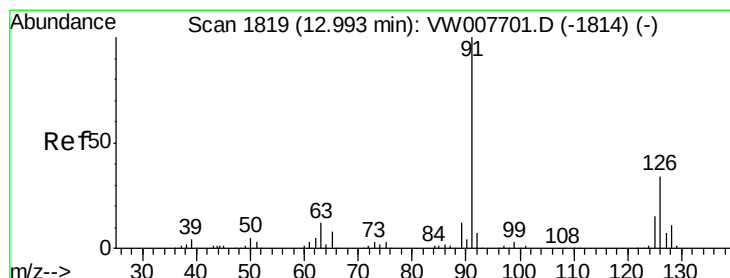
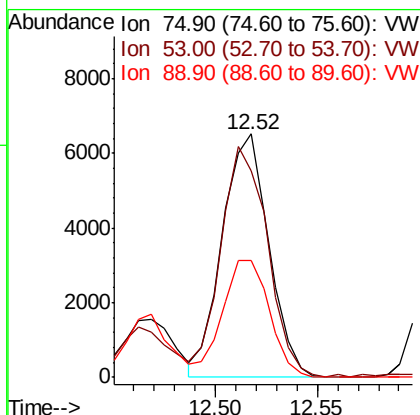
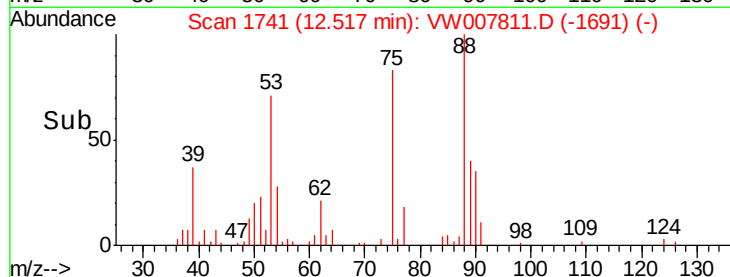
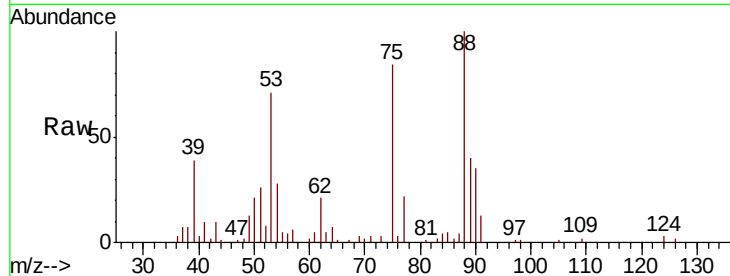
#81
trans-1,4-Dichloro-2-butene
Concen: 56.453 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	80.2	120.2
89	48.7	39.2	58.8

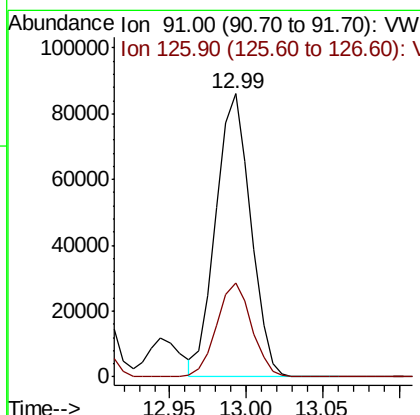
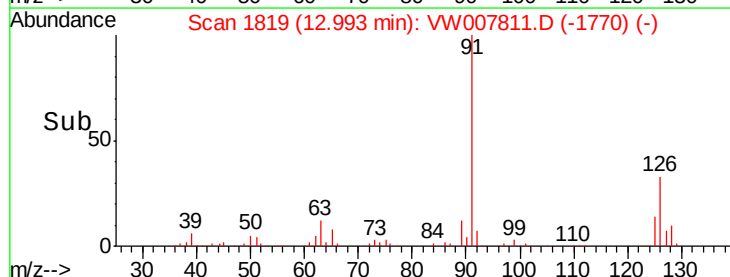
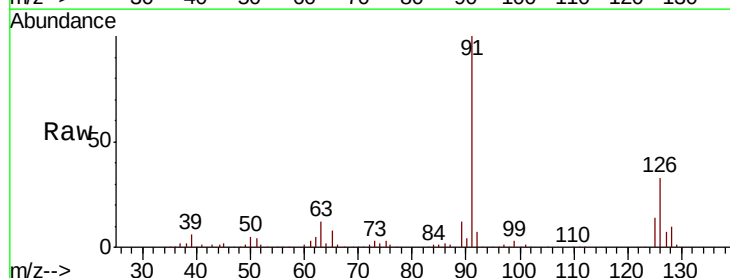
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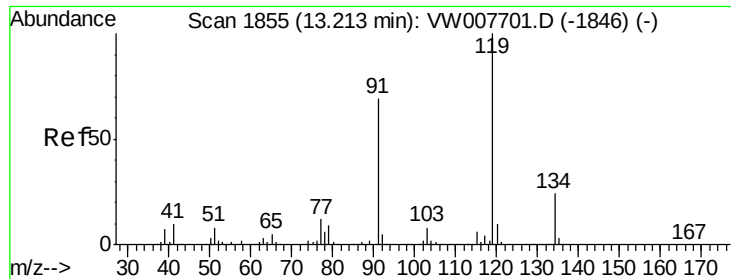
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#82
4-Chlorotoluene
Concen: 50.358 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.5	49.5





#83

tert-Butylbenzene

Concen: 50.613 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

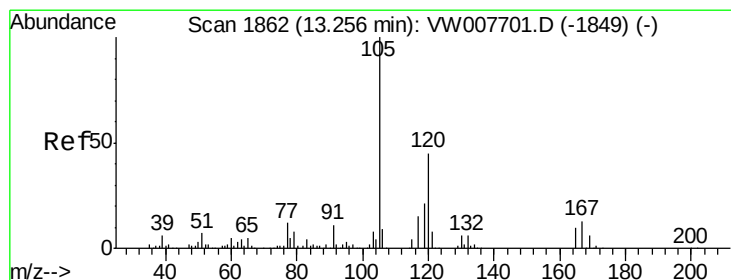
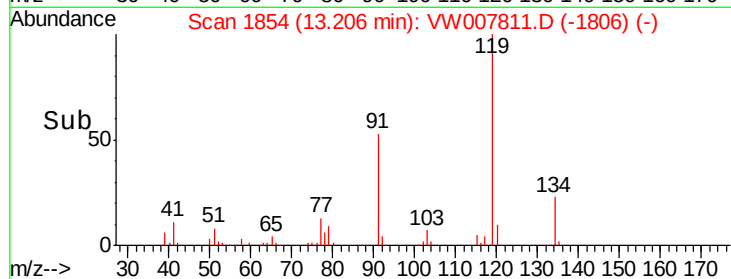
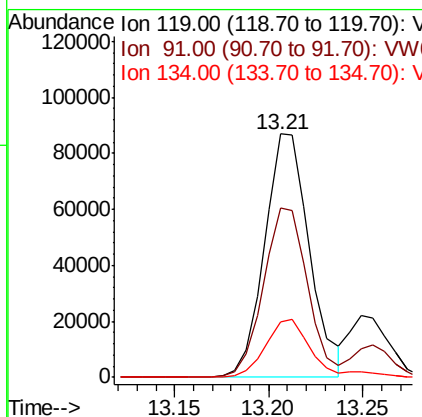
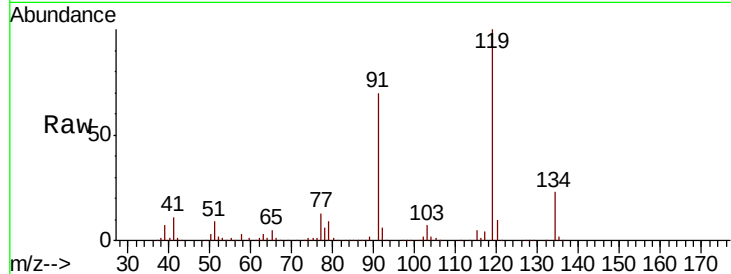
Instrument :
MSVOA_W

ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	143669		
91	68.5	34.2	102.5	
134	24.7	12.8	38.4	

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#84

1,2,4-Trimethylbenzene

Concen: 51.654 ug/l

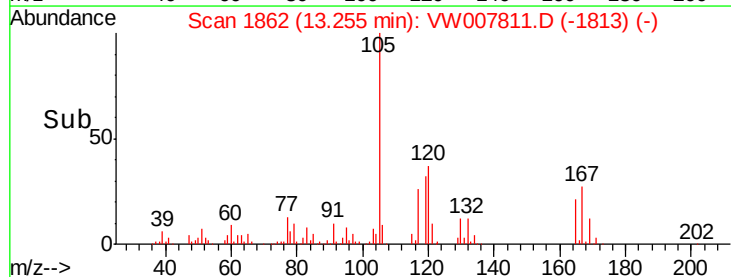
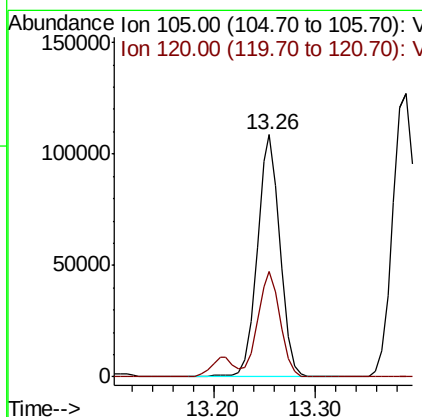
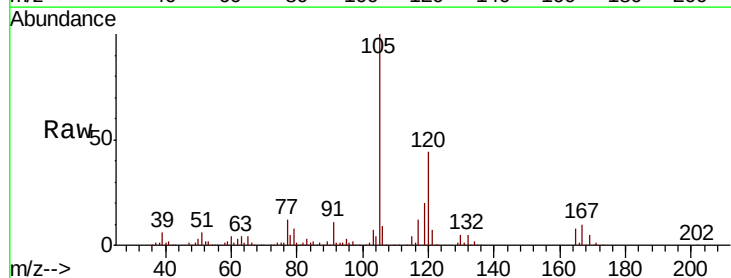
RT: 13.26 min Scan# 1862

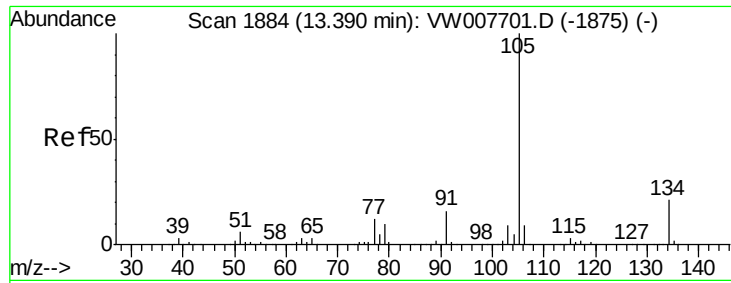
Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	168622		
120	43.2	22.0	66.0	





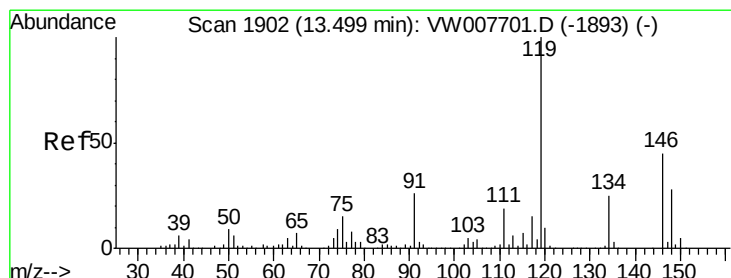
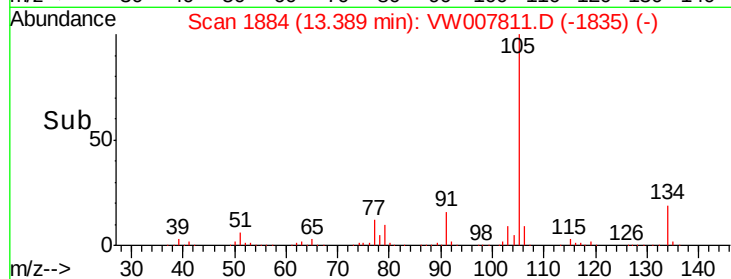
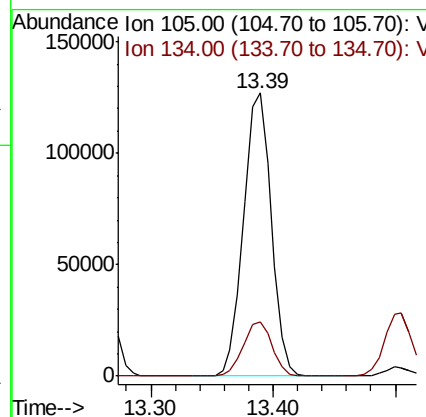
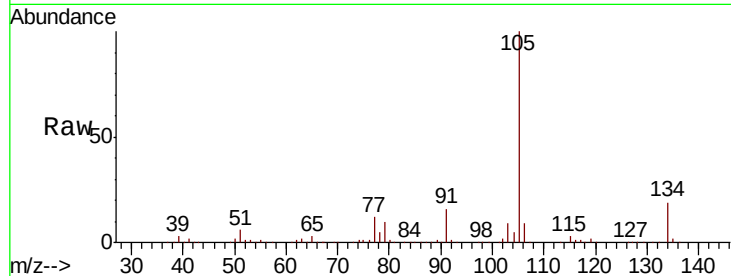
#85
 sec-Butylbenzene
 Concen: 51.036 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	199657		
134	20.1	10.2	30.4	

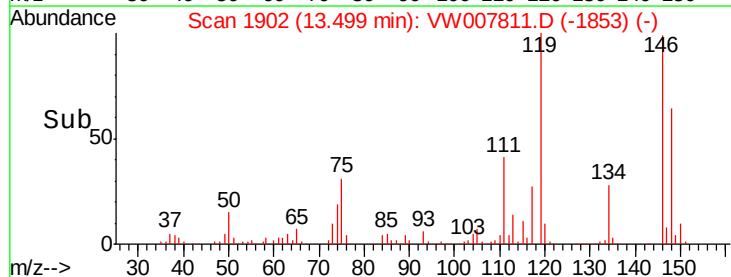
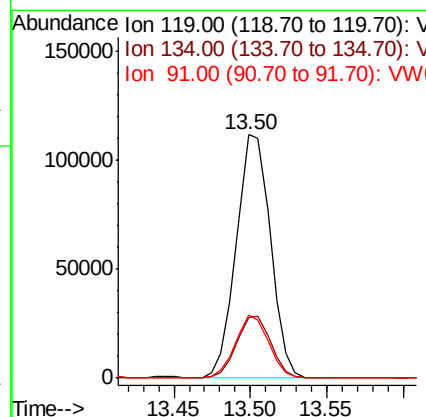
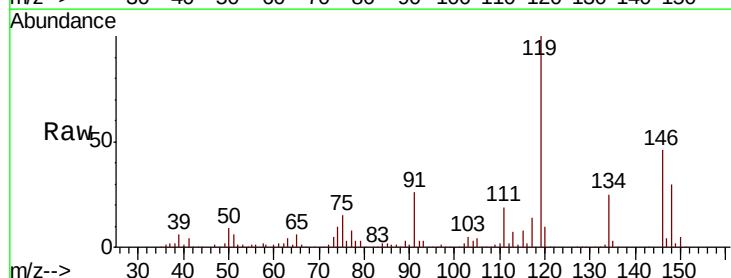
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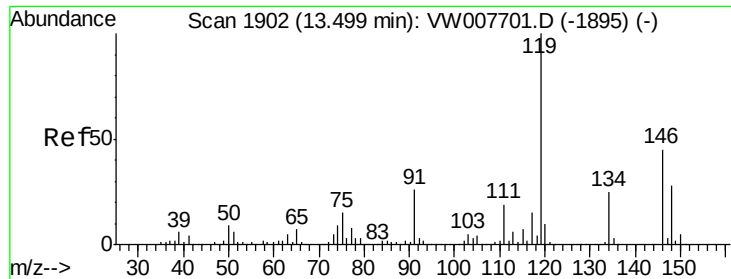
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#86
 p-Isopropyltoluene
 Concen: 48.801 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	173601		
134	25.5	13.0	39.0	
91	25.2	12.8	38.4	





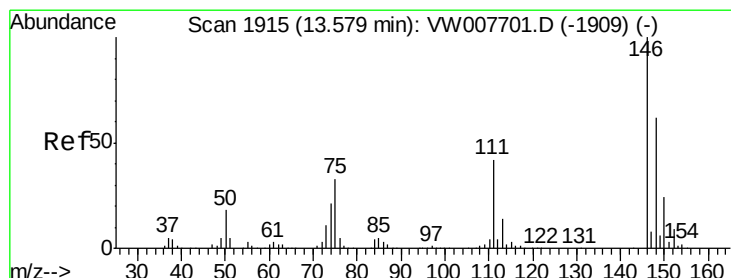
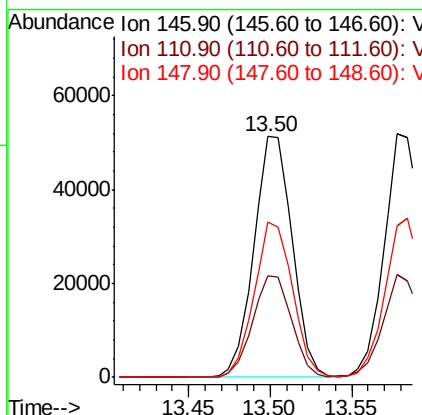
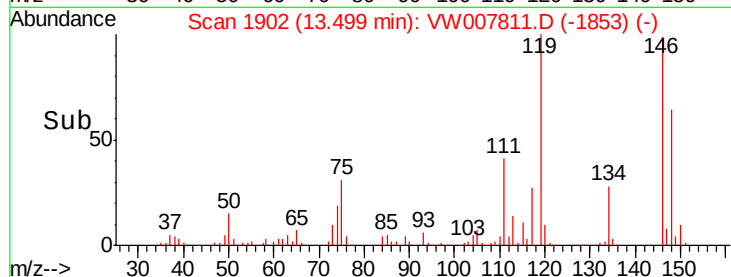
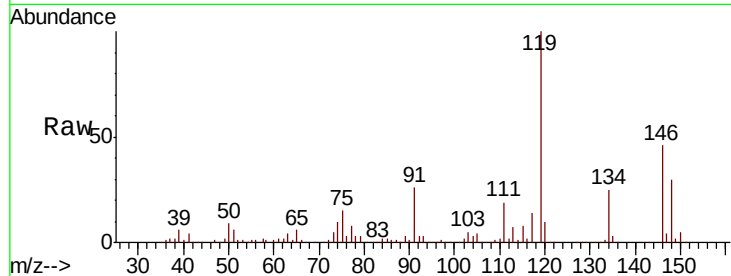
#87
 1,3-Dichlorobenzene
 Concen: 49.190 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	64.4	32.1	96.5

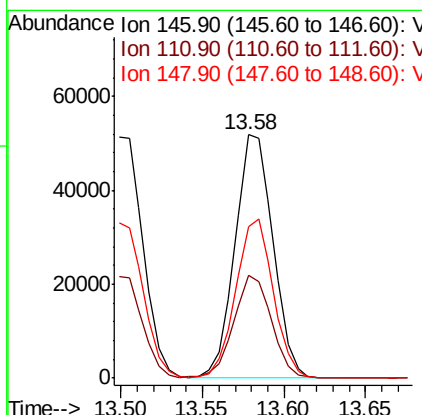
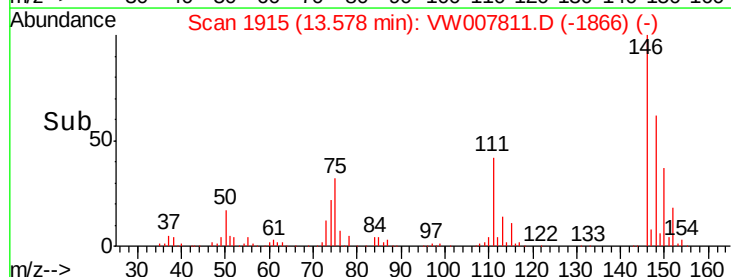
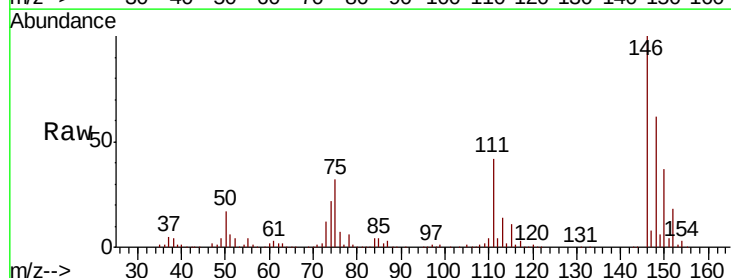
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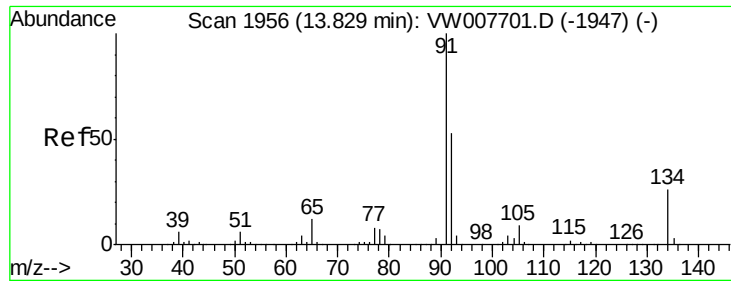
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#88
 1,4-Dichlorobenzene
 Concen: 49.426 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.0	63.0
148	64.4	31.8	95.4





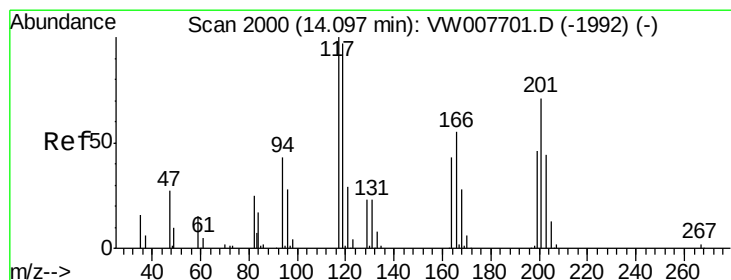
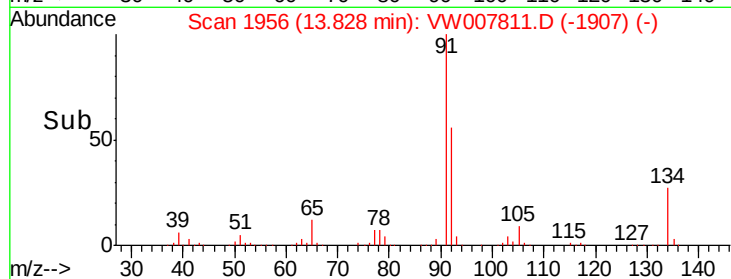
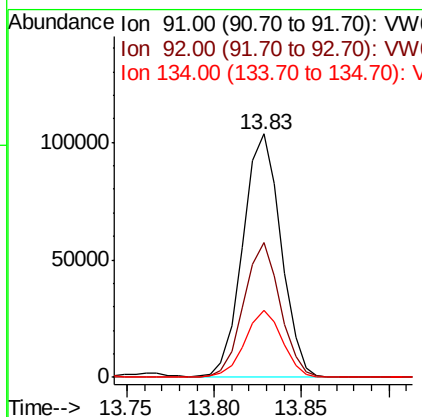
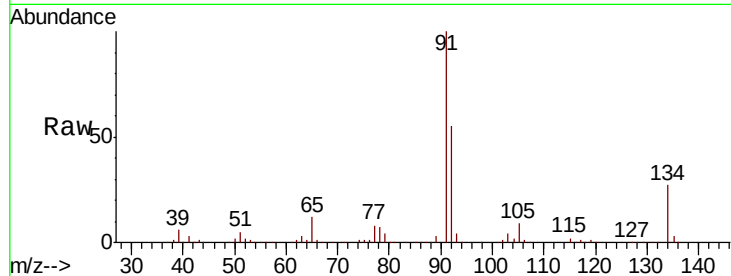
#89
n-Butylbenzene
Concen: 48.002 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100	156565		
92	53.2	26.4	79.2	
134	27.4	13.7	41.0	

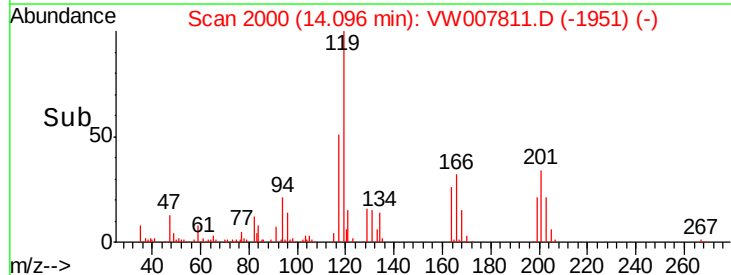
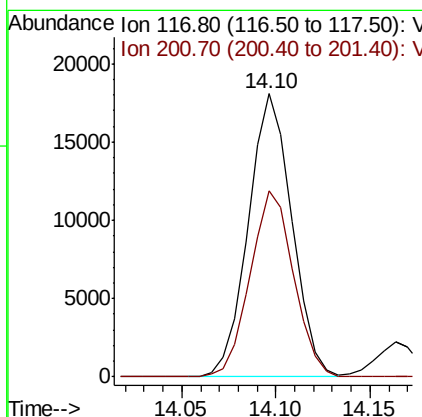
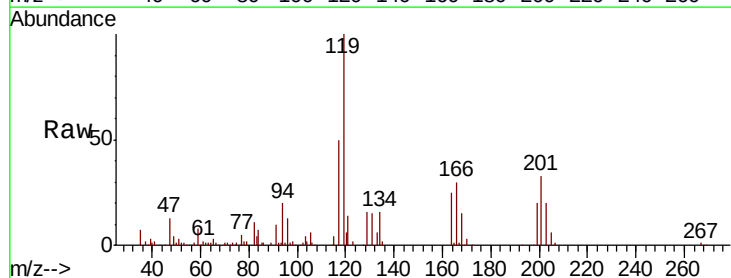
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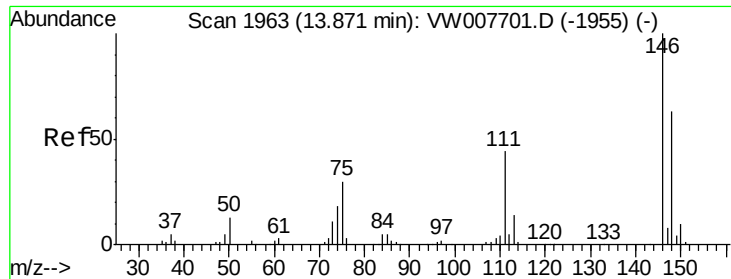
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#90
Hexachloroethane
Concen: 46.363 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007811.D
Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	28955		
201	65.6	36.2	108.6	





#91

1,2-Dichlorobenzene

Concen: 51.486 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

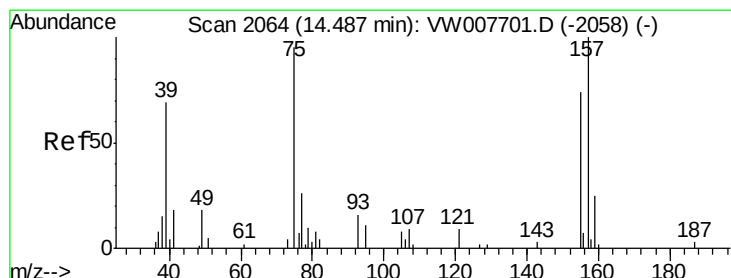
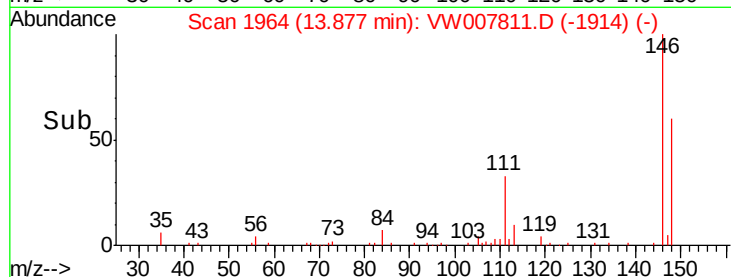
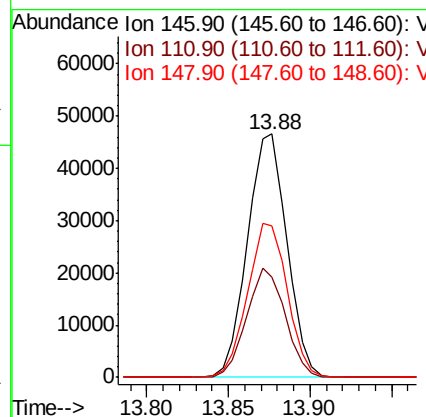
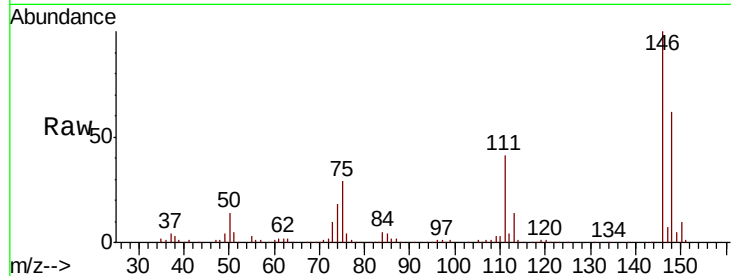
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion:	146	Resp:	78670
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.7	65.1
148	63.4	32.1	96.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 56.484 ug/l

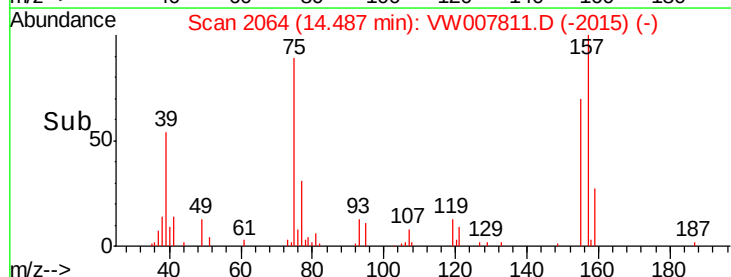
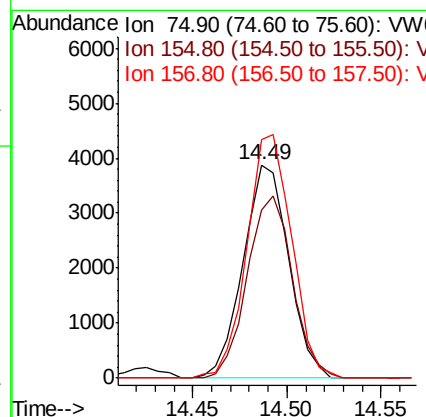
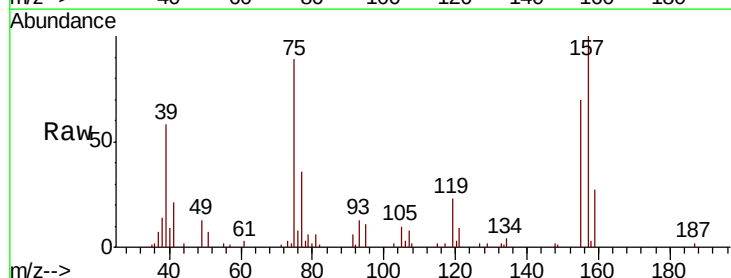
RT: 14.49 min Scan# 2064

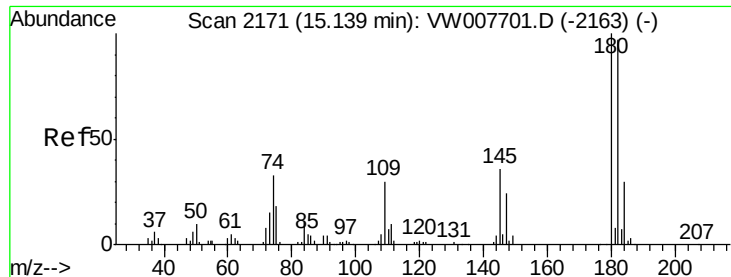
Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion:	75	Resp:	6523
Ion Ratio	Lower	Upper	
75	100		
155	84.3	39.4	118.1
157	111.9	52.0	156.0





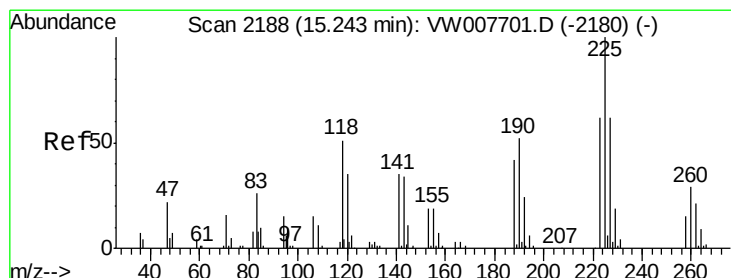
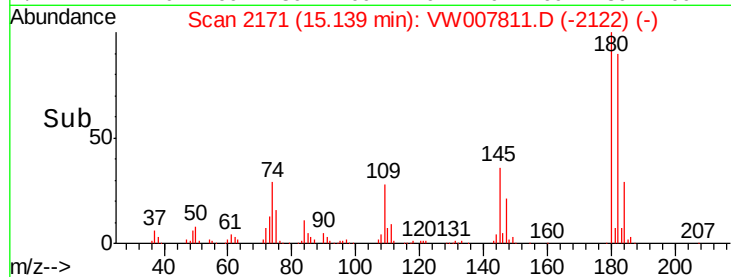
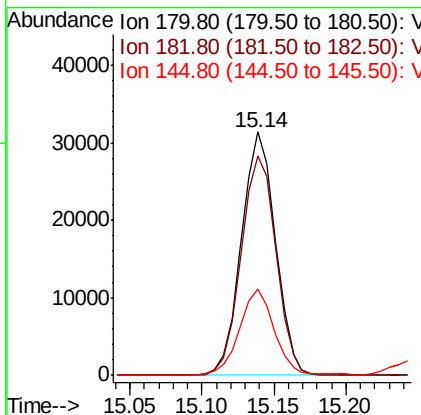
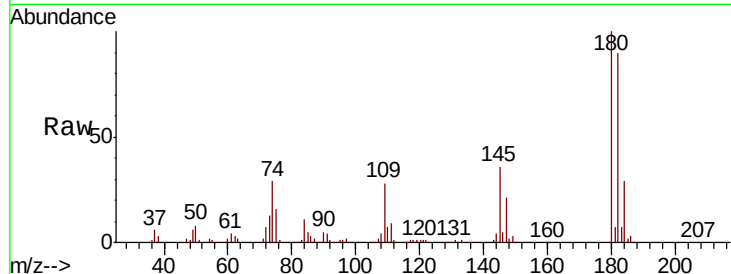
#93
 1,2,4-Trichlorobenzene
 Concen: 48.309 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.2	47.5	142.6	
145	37.1	17.5	52.5	

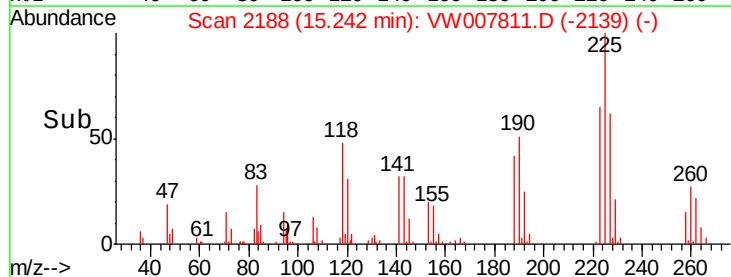
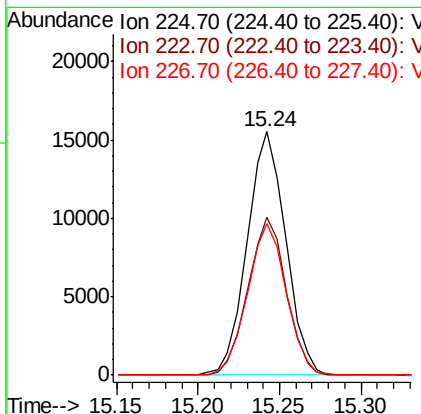
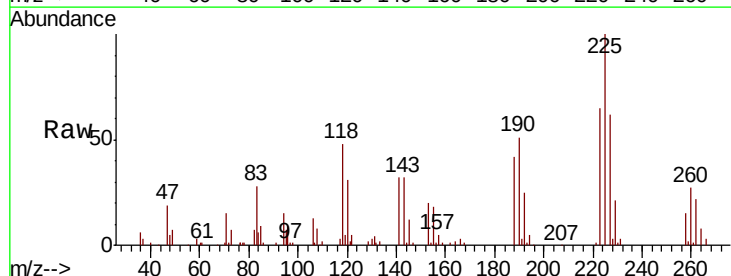
Manual Integrations
 APPROVED

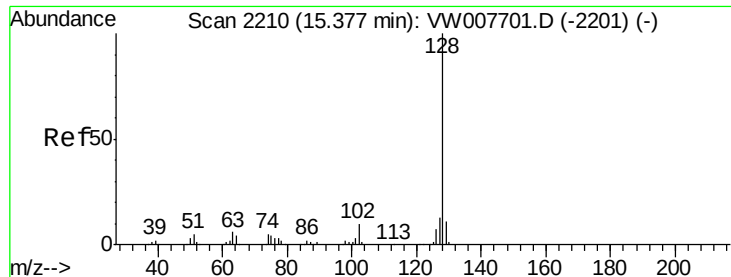
MMDadoda
 12/26/2018 10:59:24 AM



#94
 Hexachlorobutadiene
 Concen: 44.954 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007811.D
 Acq: 21 Dec 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	31.6	94.8	
227	62.4	32.1	96.3	





#95

Naphthalene

Concen: 61.291 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Instrument :

MSVOA_W

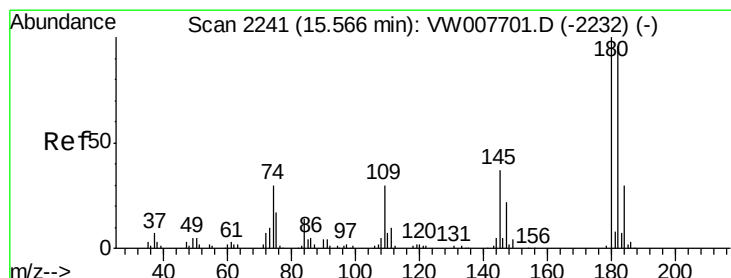
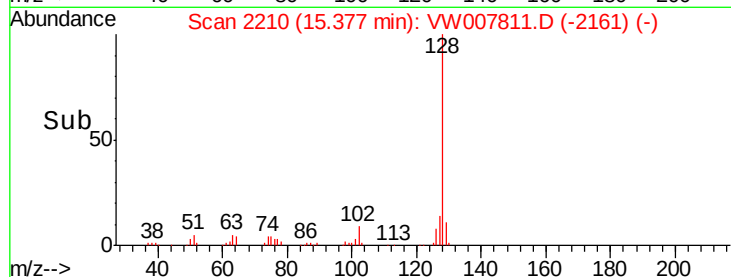
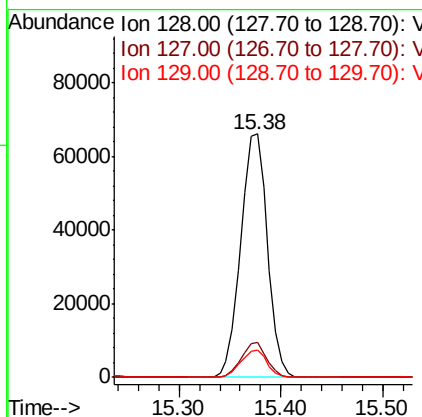
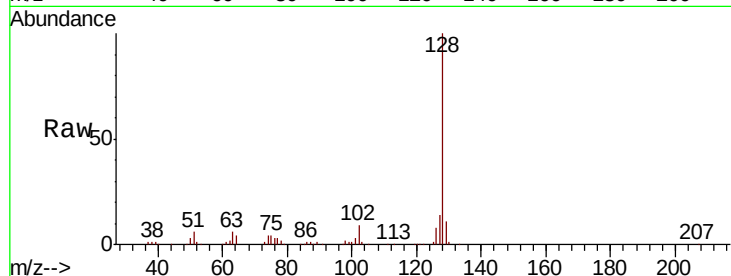
ClientSampleId :

KY001SB106-121218-(8-10)MS

Tot Ion:	128	Resp:	120190
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.7	16.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:59:24 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.922 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW007811.D

Acq: 21 Dec 2018 22:26

Tgt Ion:	180	Resp:	46233
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.2
145	40.0	18.4	55.0

