

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008092.D
 Acq On : 08 Jan 2019 18:21
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICSVW010819

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:08:14 AM

Quant Time: Jan 09 04:59:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	108084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	176924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	159491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	78514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52835	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
35) Dibromofluoromethane	7.88	113	49054	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	10.32	98	203418	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.62	95	71420	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	43529	49.347	ug/l	100
3) Chloromethane	2.21	50	51530	45.028	ug/l	98
4) Vinyl Chloride	2.37	62	67020	44.871	ug/l	98
5) Bromomethane	2.79	94	48006	42.905	ug/l	99
6) Chloroethane	2.93	64	47933	42.648	ug/l	97
7) Trichlorofluoromethane	3.26	101	54238	44.667	ug/l	92
8) Diethyl Ether	3.68	74	33063	48.165	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57290	47.520	ug/l	94
10) Methyl Iodide	4.26	142	91620	52.144	ug/l	97
11) Tert butyl alcohol	5.24	59	19576	264.615	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	57412	48.505	ug/l	95
13) Acrolein	3.89	56	22755	281.553	ug/l	98
14) Allyl chloride	4.67	41	103216	48.029	ug/l	100
15) Acrylonitrile	5.38	53	64154	245.475	ug/l	99
16) Acetone	4.14	43	56157	257.847	ug/l	95
17) Carbon Disulfide	4.37	76	178417	48.253	ug/l	97
18) Methyl Acetate	4.68	43	40519	52.775	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	94058	48.880	ug/l	94
20) Methylene Chloride	4.91	84	59395	49.624	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	60657	47.157	ug/l	93
22) Diisopropyl ether	6.31	45	195934	47.806	ug/l	98
23) Vinyl Acetate	6.26	43	535237	248.653	ug/l	98
24) 1,1-Dichloroethane	6.21	63	110951	46.461	ug/l	99
25) 2-Butanone	7.18	43	80582	238.417	ug/l	99
26) 2,2-Dichloropropane	7.17	77	72018	44.508	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	65965	47.004	ug/l	97
28) Bromochloromethane	7.51	49	43958	46.538	ug/l	94
29) Tetrahydrofuran	7.53	42	55739	246.883	ug/l	99
30) Chloroform	7.68	83	105098	46.236	ug/l	96
31) Cyclohexane	7.96	56	110521	43.232	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	90902	45.960	ug/l	98
36) 1,1-Dichloropropene	8.08	75	88991	48.829	ug/l	98
37) Ethyl Acetate	7.26	43	39167	53.643	ug/l	98
38) Carbon Tetrachloride	8.07	117	81759	49.013	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	114844	49.697	ug/l	95
40) Benzene	8.32	78	247120	49.993	ug/l	98
41) Methacrylonitrile	7.48	41	25702	55.725	ug/l	90
42) 1,2-Dichloroethane	8.40	62	67980	48.897	ug/l	99
43) Isopropyl Acetate	8.43	43	77440	53.047	ug/l	99
44) Trichloroethene	9.09	130	65355	51.649	ug/l	95
45) 1,2-Dichloropropane	9.37	63	62645	51.110	ug/l	99
46) Dibromomethane	9.46	93	29768	49.454	ug/l	92
47) Bromodichloromethane	9.65	83	77423	50.655	ug/l	99
48) Methyl methacrylate	9.44	41	38107	55.321	ug/l	97
49) 1,4-Dioxane	9.48	88	9546	986.128	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	185464	262.457	ug/l	100
52) Toluene	10.39	92	157003	49.734	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	82751	52.049	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	97034	51.469	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	43904	51.950	ug/l	98
56) Ethyl methacrylate	10.65	69	57896	55.318	ug/l	99
57) 1,3-Dichloropropane	10.93	76	77796	50.334	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	131334	242.929	ug/l	98
59) 2-Hexanone	10.97	43	125146	261.885	ug/l	99
60) Dibromochloromethane	11.13	129	50681	54.611	ug/l	99
61) 1,2-Dibromoethane	11.24	107	42329	52.785	ug/l	98
64) Tetrachloroethene	10.87	164	54229	52.246	ug/l	93
65) Chlorobenzene	11.66	112	168167	49.769	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	56676	51.570	ug/l	99
67) Ethyl Benzene	11.73	91	302993	49.008	ug/l	99
68) m/p-Xylenes	11.84	106	233613	98.997	ug/l	97
69) o-Xylene	12.17	106	109973	50.325	ug/l	96
70) Styrene	12.18	104	178146	52.046	ug/l	99
71) Bromoform	12.35	173	28508	57.959	ug/l #	98
73) Isopropylbenzene	12.47	105	296622	48.121	ug/l	100
74) N-amyl acetate	12.27	43	72538	53.139	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	49630	50.302	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	36472m	50.957	ug/l	
77) Bromobenzene	12.75	156	65749	50.481	ug/l	93
78) n-propylbenzene	12.81	91	359321	47.575	ug/l	99
79) 2-Chlorotoluene	12.90	91	198850	47.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	244814	48.331	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	16182	52.649	ug/l	95
82) 4-Chlorotoluene	12.99	91	210043	47.329	ug/l	99
83) tert-Butylbenzene	13.21	119	219865	49.063	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	247339	47.344	ug/l	98
85) sec-Butylbenzene	13.39	105	310906	47.362	ug/l	99
86) p-Isopropyltoluene	13.51	119	271440	47.884	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	130767	49.494	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	131915	49.764	ug/l	99
89) n-Butylbenzene	13.83	91	265481	47.818	ug/l	99
90) Hexachloroethane	14.10	117	47287	49.387	ug/l	89
91) 1,2-Dichlorobenzene	13.87	146	115167	49.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8445	53.186	ug/l	97

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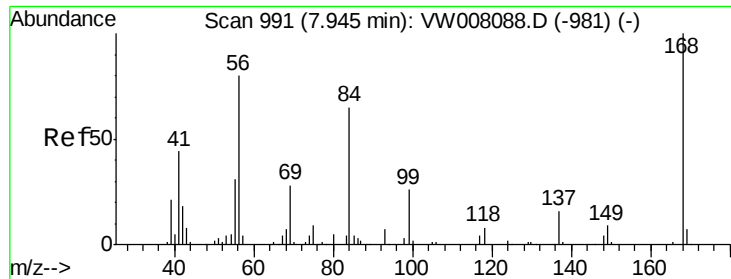
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	82154	53.291	ug/l	97
94) Hexachlorobutadiene	15.24	225	44767	54.255	ug/l	100
95) Naphthalene	15.37	128	153481	53.319	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	70658	53.766	ug/l	97

(#) = 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: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampled :

ICVW010819

Tot Ion:168 Resp: 108084

Ion Ratio Lower Upper

168 100

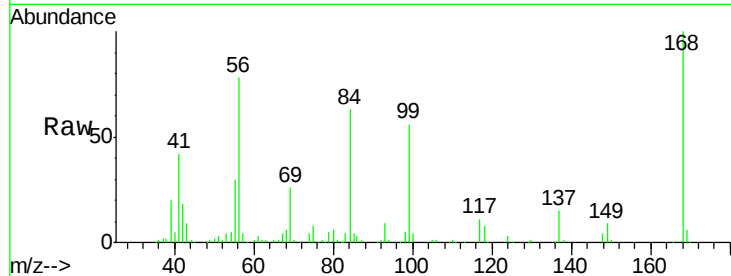
99 56.2 52.6 78.8

Manual Integrations

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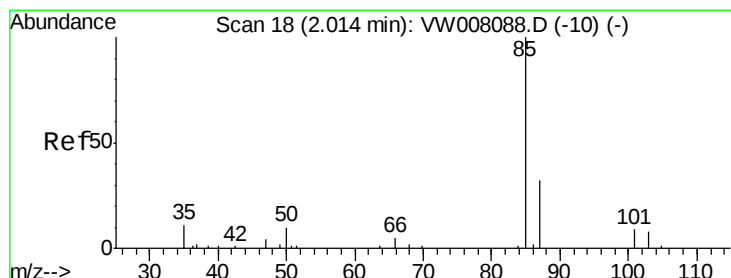
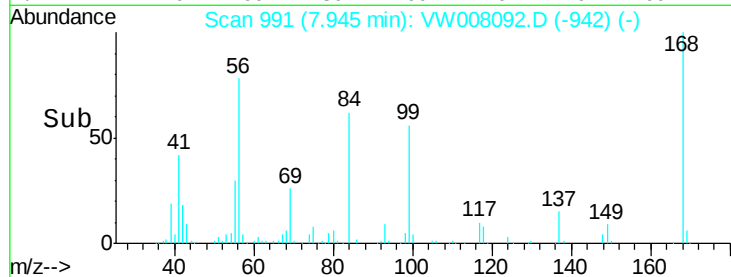
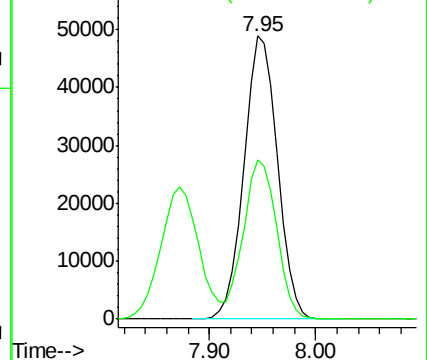
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 49.347 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008092.D

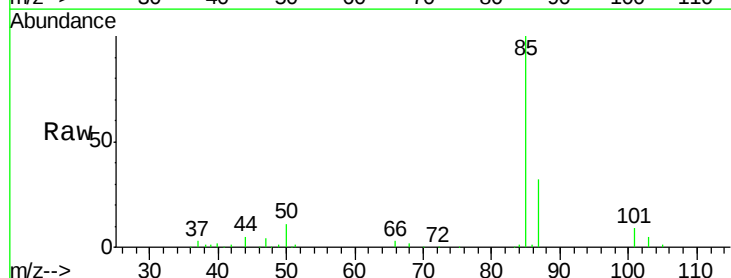
Acq: 08 Jan 2019 18:21

Tgt Ion: 85 Resp: 43529

Ion Ratio Lower Upper

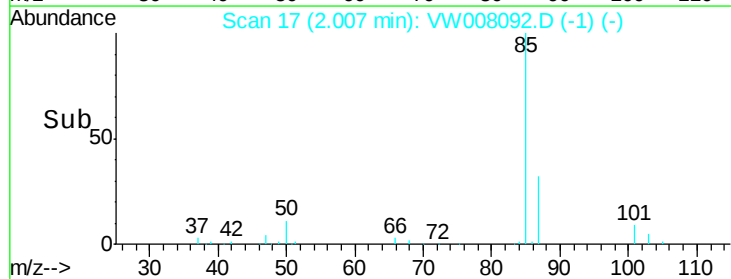
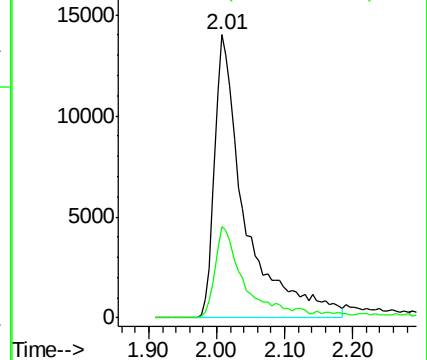
85 100

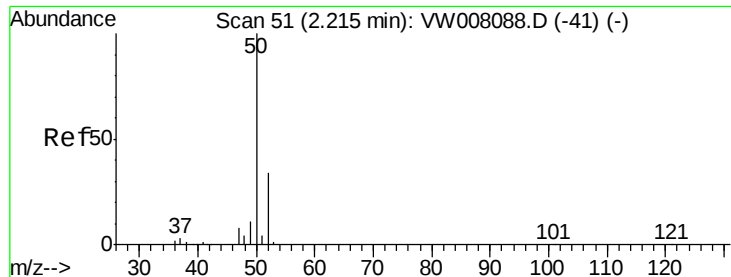
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.028 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampleId :

ICVW010819

Tot Ion: 50 Resp: 51530

Ion Ratio Lower Upper

50 100

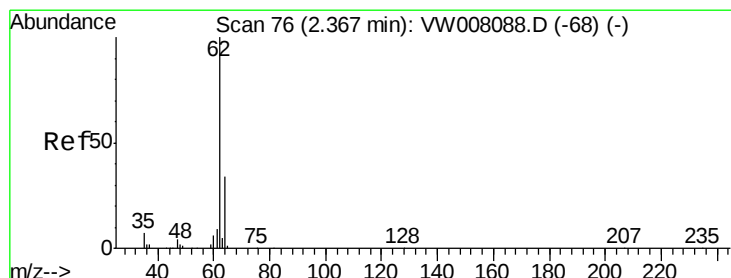
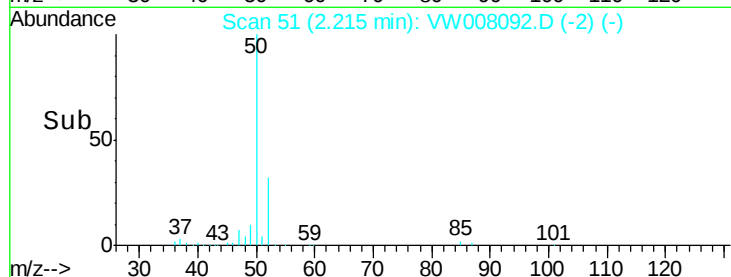
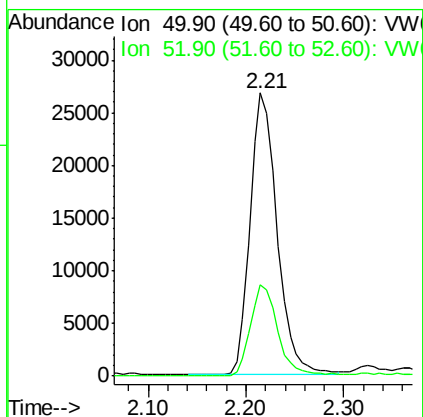
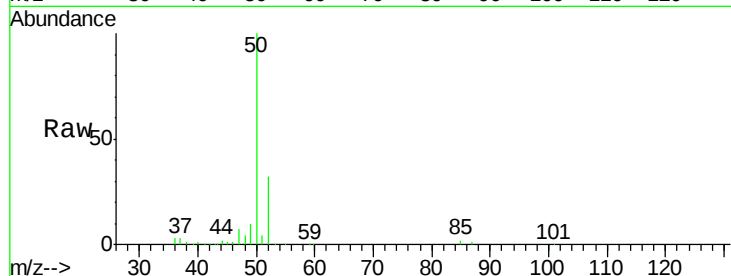
52 32.6 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.871 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008092.D

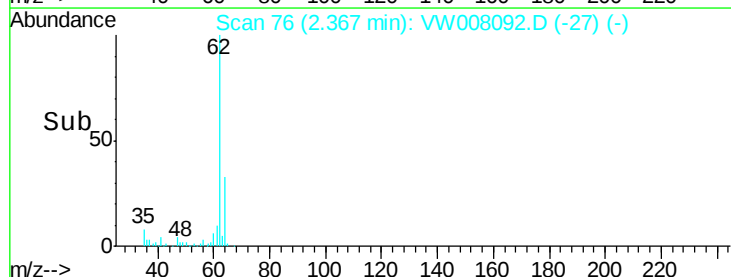
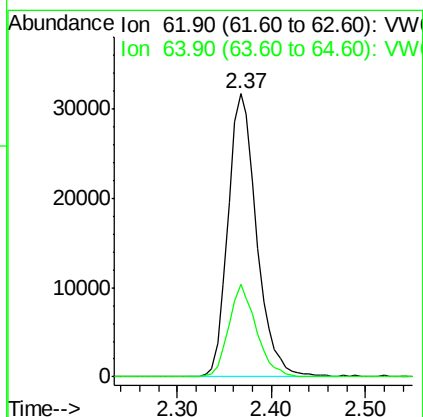
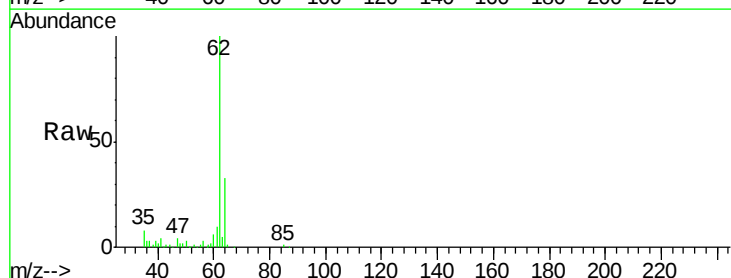
Acq: 08 Jan 2019 18:21

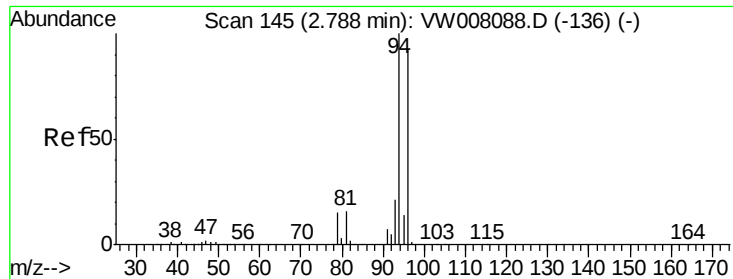
Tgt Ion: 62 Resp: 67020

Ion Ratio Lower Upper

62 100

64 32.6 27.0 40.6





#5

Bromomethane

Concen: 42.905 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampleId :

ICVW010819

Tot Ion: 94 Resp: 48006

Ion Ratio Lower Upper

94 100

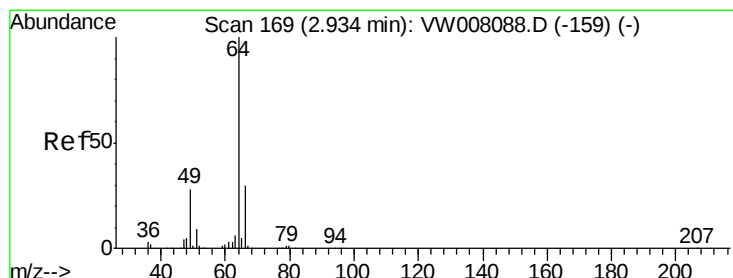
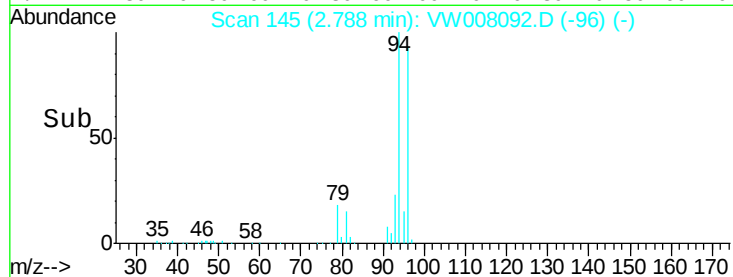
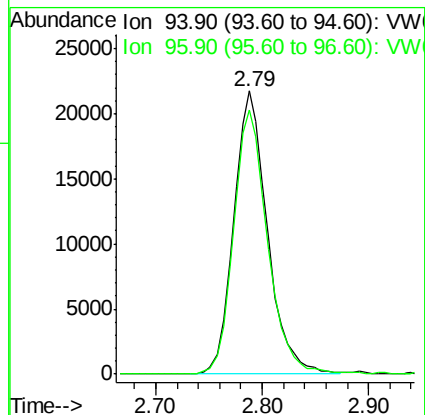
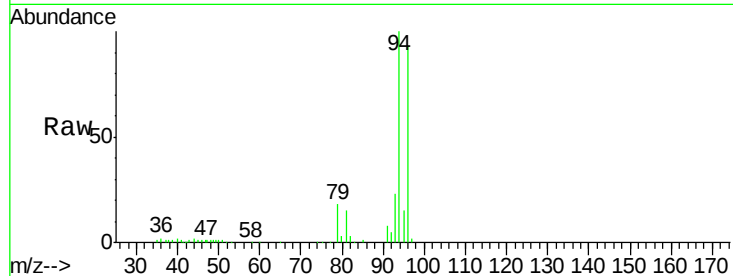
96 93.2 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 42.648 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008092.D

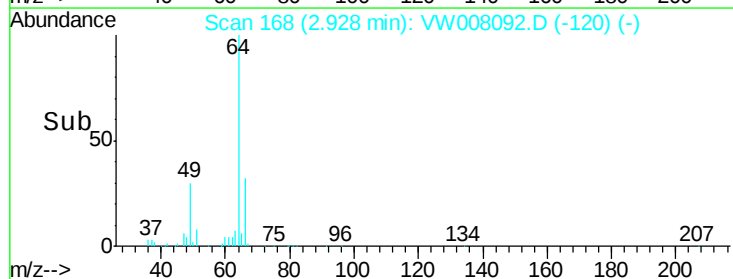
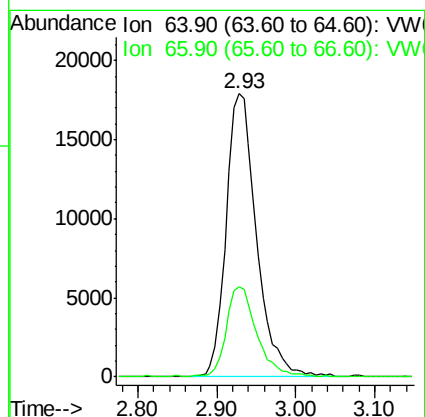
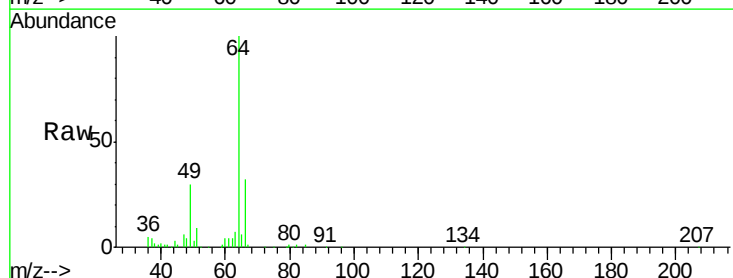
Acq: 08 Jan 2019 18:21

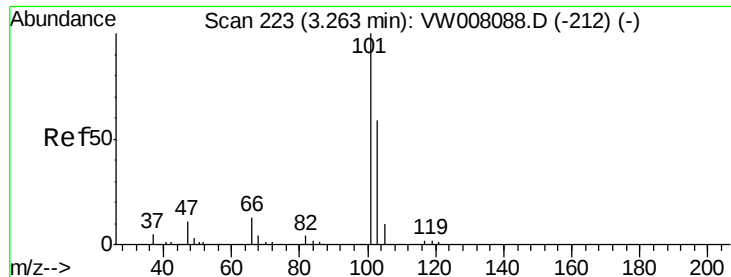
Tgt Ion: 64 Resp: 47933

Ion Ratio Lower Upper

64 100

66 32.0 24.2 36.2





#7

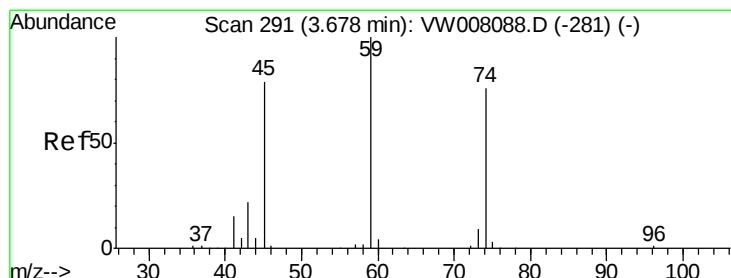
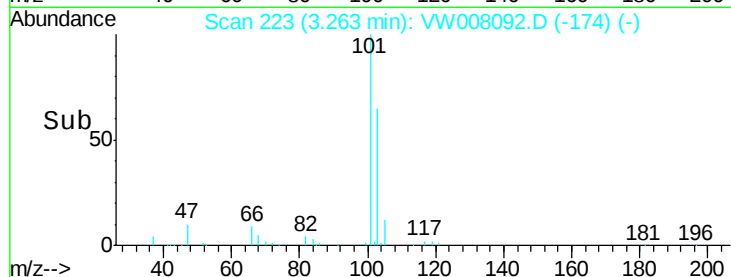
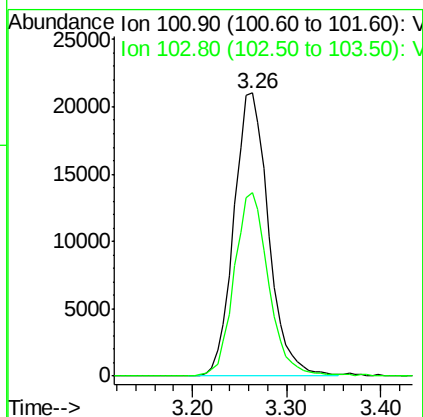
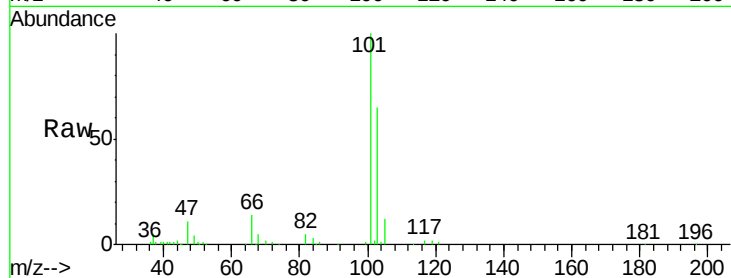
Trichlorofluoromethane
Concen: 44.667 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
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ICVW010819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		54238		
103	64.7	47.0		70.6	

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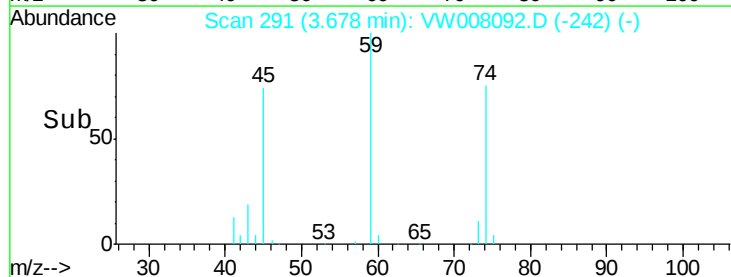
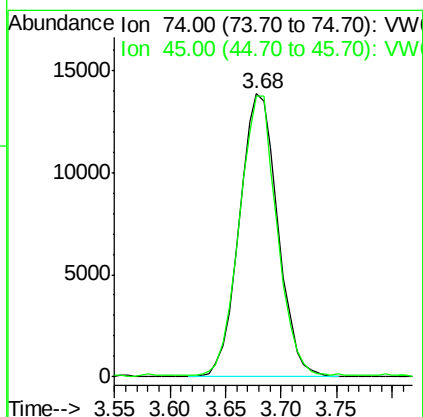
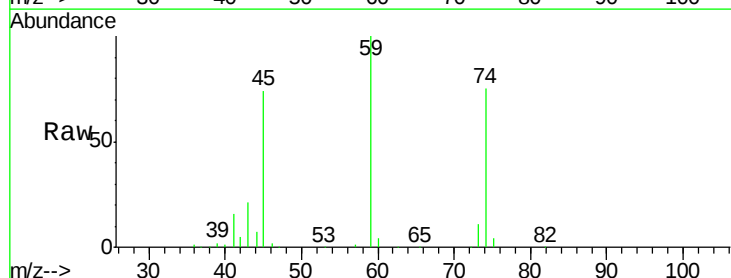
MMDadoda
1/9/2019 11:08:14 AM

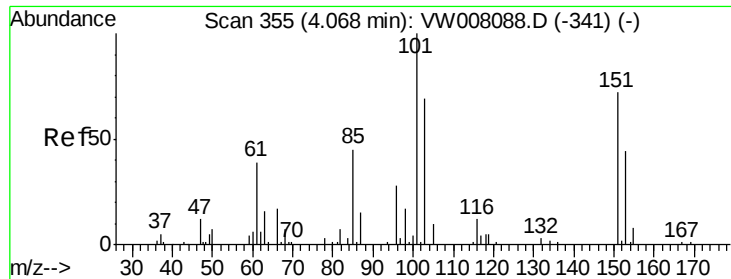


#8

Diethyl Ether
Concen: 48.165 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		33063		
45	96.2	52.4		157.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.520 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

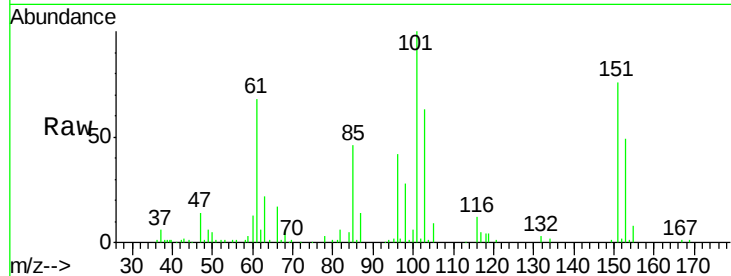
ClientSampleId :

ICVW010819

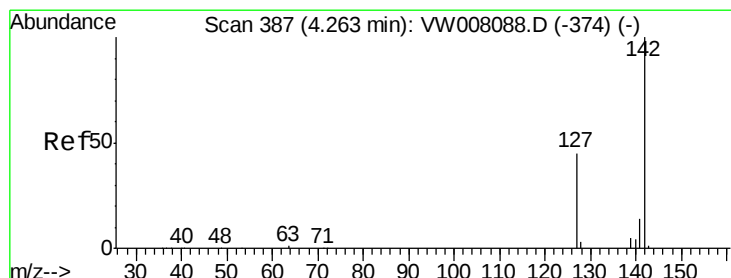
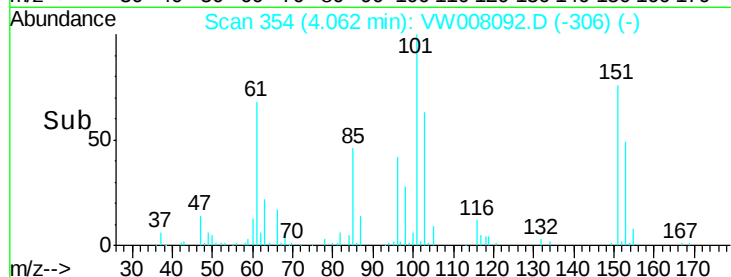
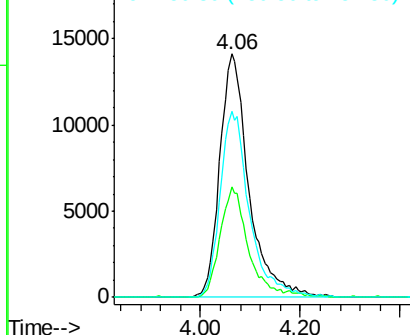
Tot Ion:	101	Resp:	57290
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.9	53.9
151	77.0	55.8	83.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.144 ug/l

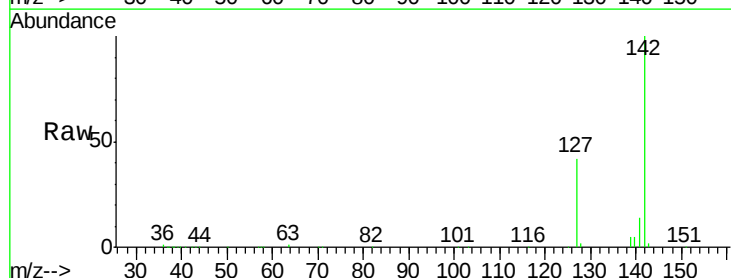
RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

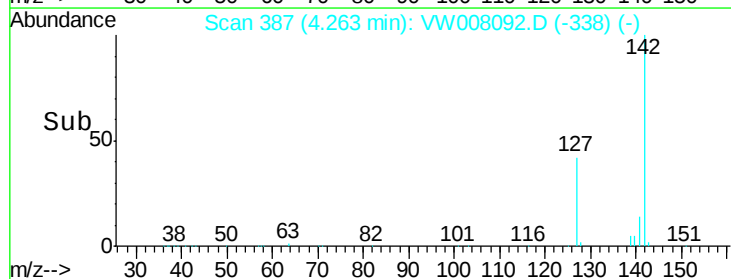
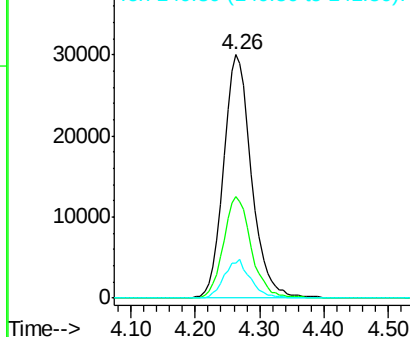
Lab File: VW008092.D

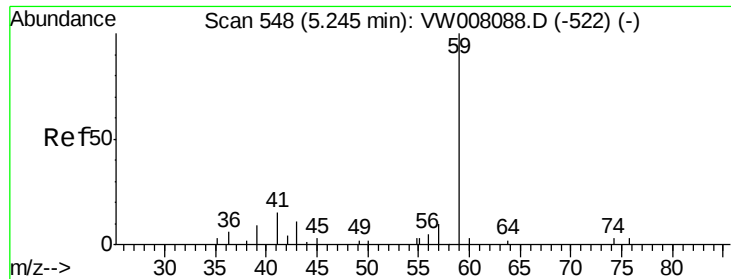
Acq: 08 Jan 2019 18:21

Tgt Ion:	142	Resp:	91620
Ion Ratio	Lower	Upper	
142	100		
127	41.3	35.0	52.4
141	14.9	11.8	17.6



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





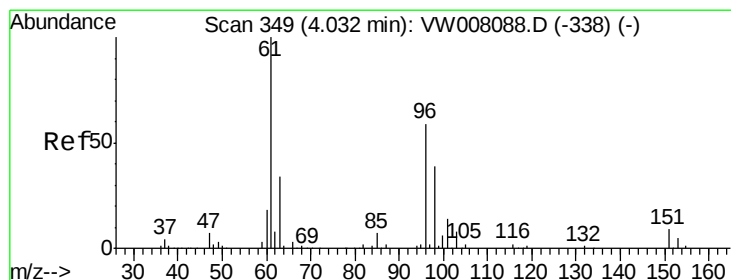
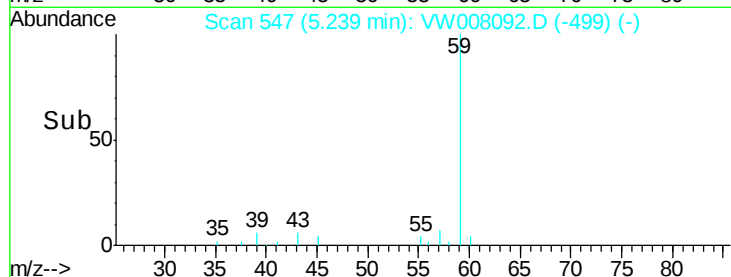
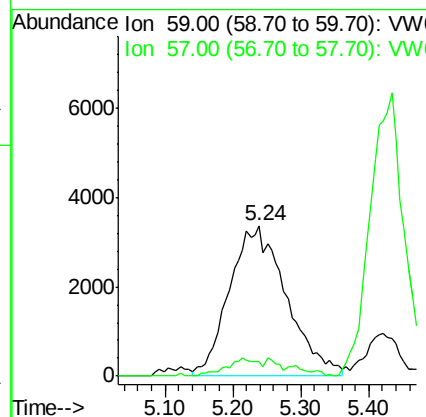
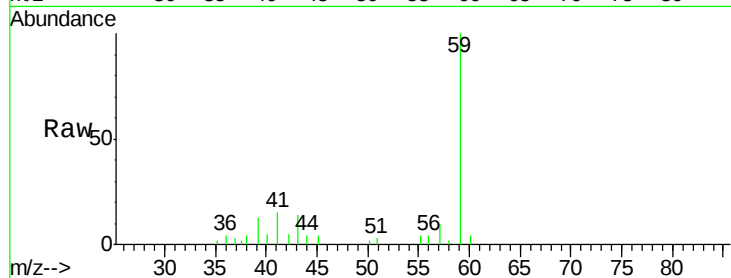
#11
Tert butyl alcohol
Concen: 264.615 ug/l
RT: 5.24 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

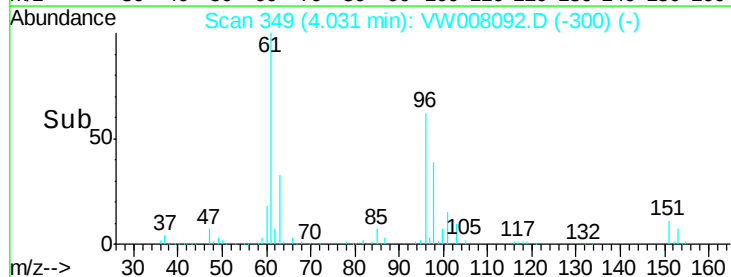
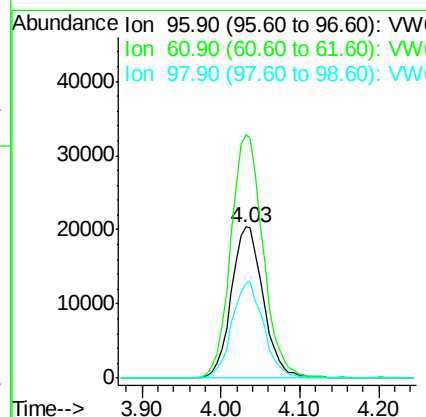
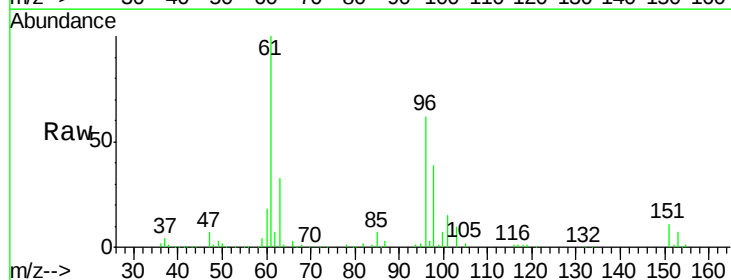
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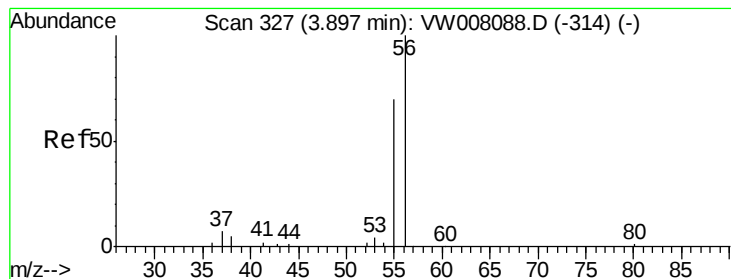
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.505 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.3	135.4	203.2
98	62.8	52.5	78.7





#13

Acrolein

Concen: 281.553 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampleId :

ICVW010819

Tot Ion: 56 Resp: 22755

Ion Ratio Lower Upper

56 100

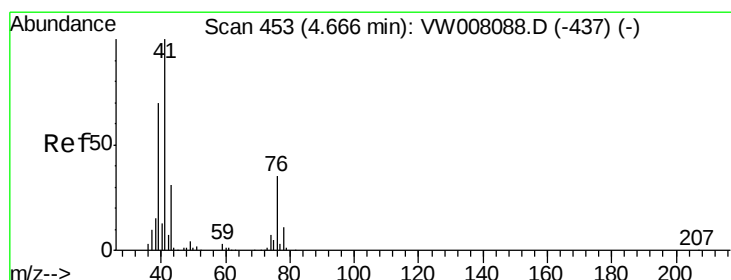
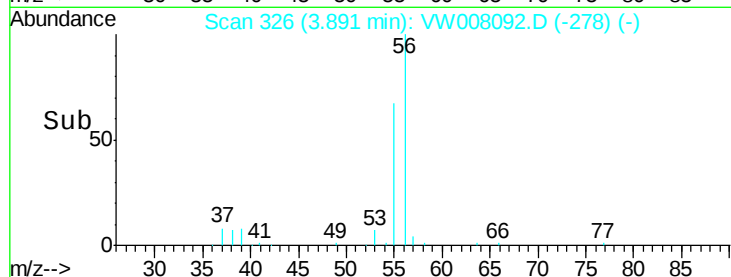
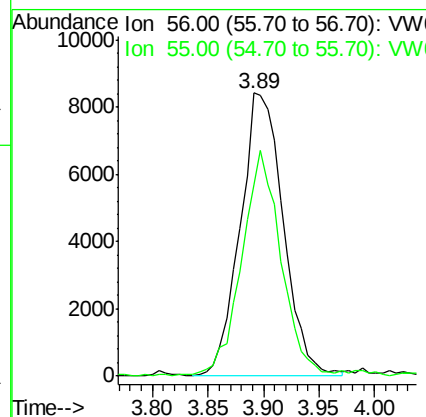
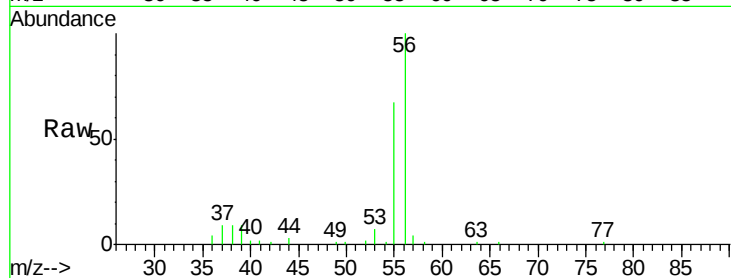
55 72.5 56.6 84.8

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#14

Allyl chloride

Concen: 48.029 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

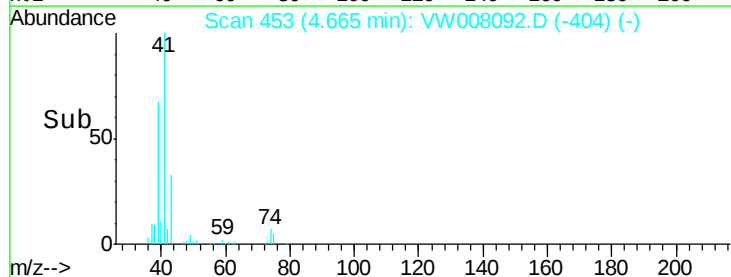
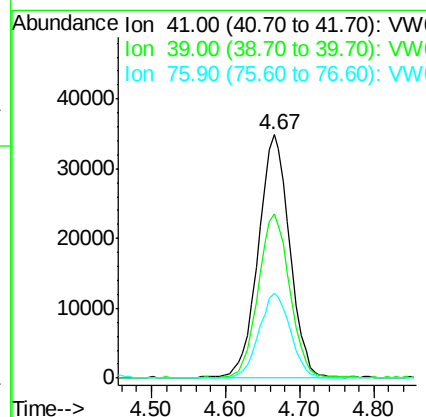
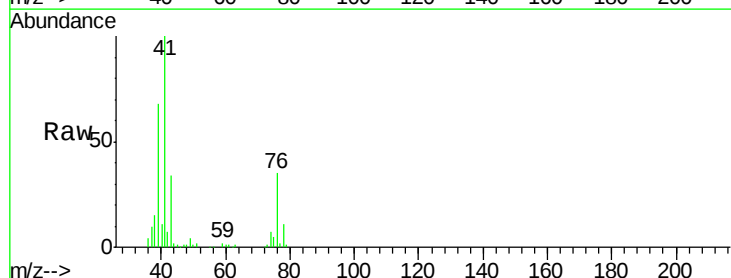
Tgt Ion: 41 Resp: 103216

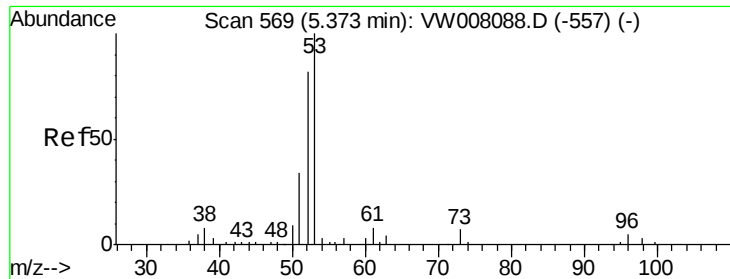
Ion Ratio Lower Upper

41 100

39 66.9 53.8 80.8

76 34.7 27.6 41.4





#15

Acrylonitrile

Concen: 245.475 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

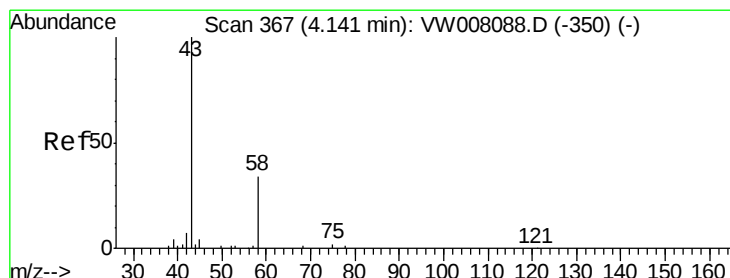
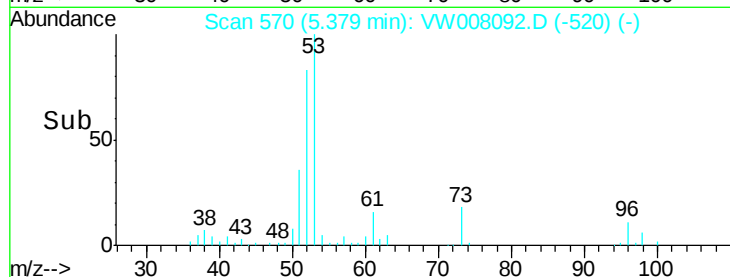
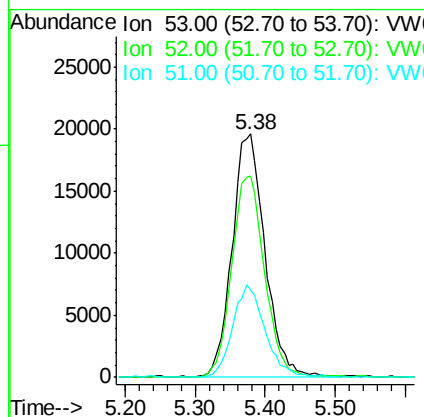
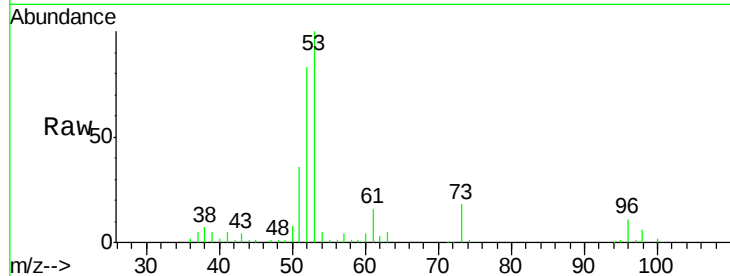
ClientSampleId :

ICVW010819

Tot Ion:	53	Resp:	64154
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.8	100.2
51	37.3	29.7	44.5

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#16

Acetone

Concen: 257.847 ug/l

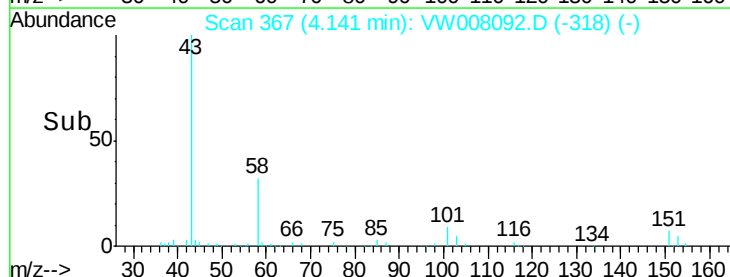
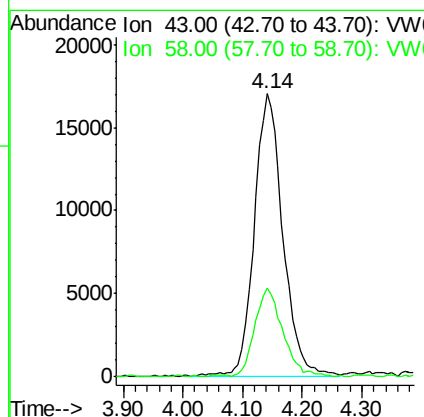
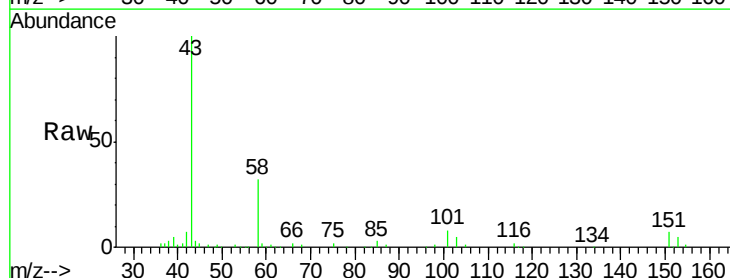
RT: 4.14 min Scan# 367

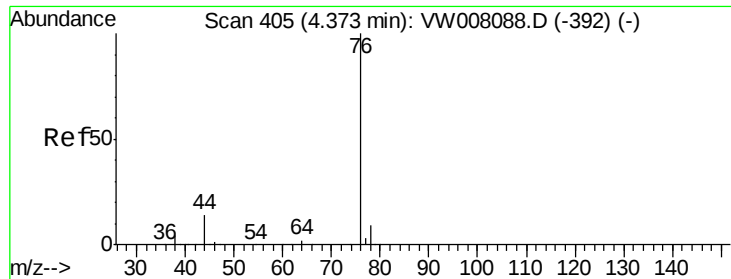
Delta R.T. 0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion:	43	Resp:	56157
Ion	Ratio	Lower	Upper
43	100		
58	31.7	27.5	41.3





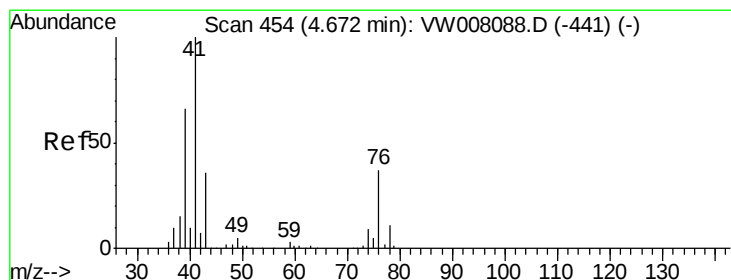
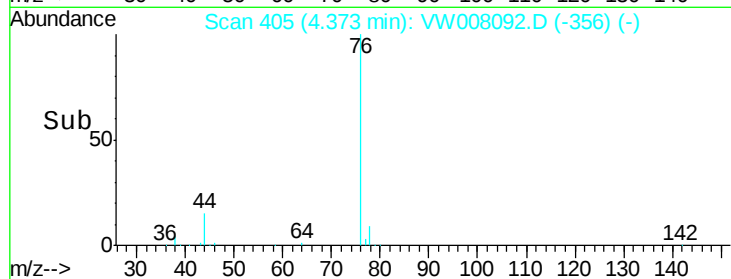
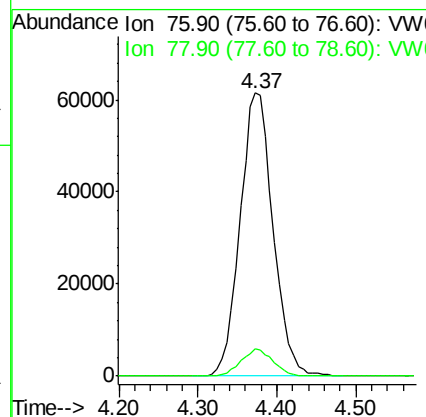
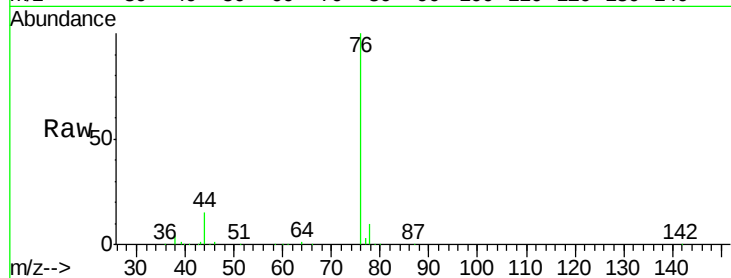
#17
Carbon Disulfide
Concen: 48.253 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.6

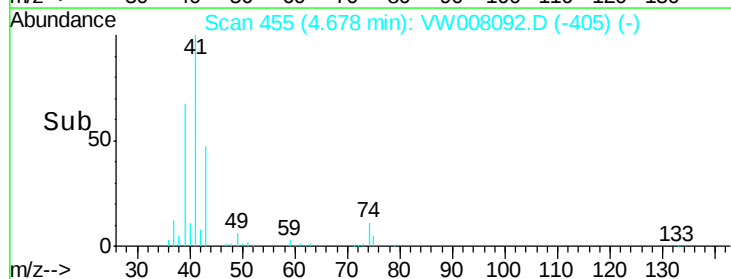
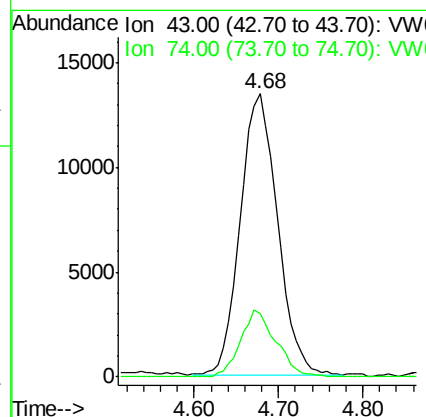
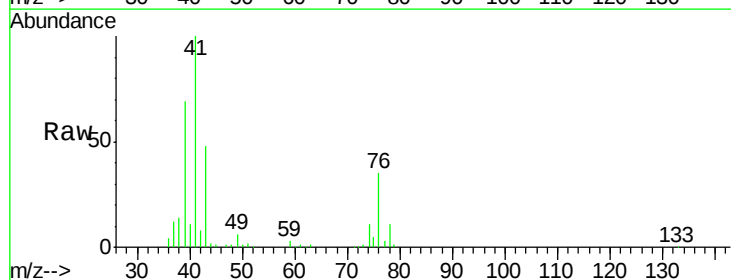
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#18
Methyl Acetate
Concen: 52.775 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	19.0	28.4





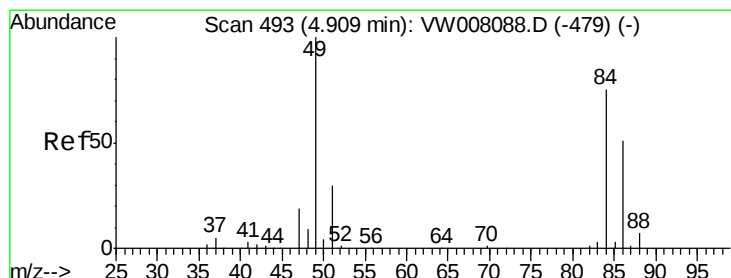
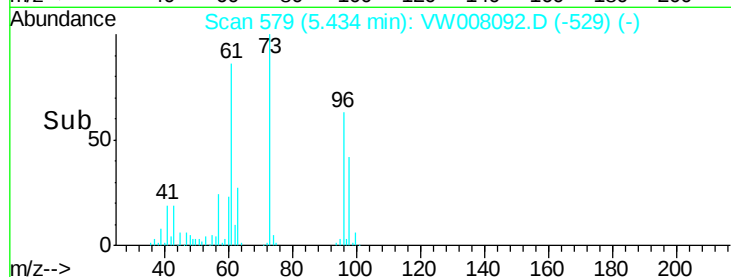
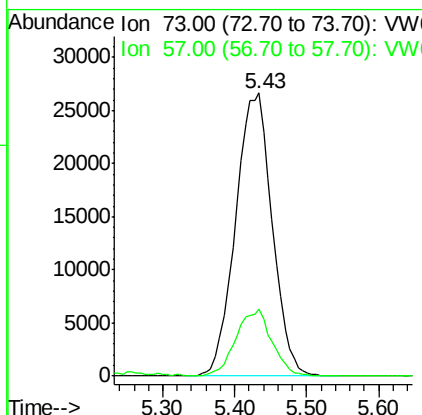
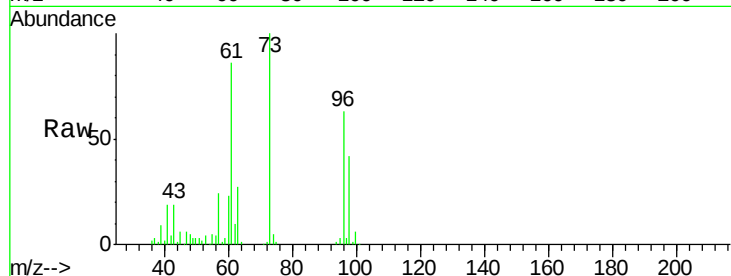
#19
Methyl tert-butyl Ether
Concen: 48.880 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion: 73 Resp: 94058
Ion Ratio Lower Upper
73 100
57 23.8 16.7 25.1

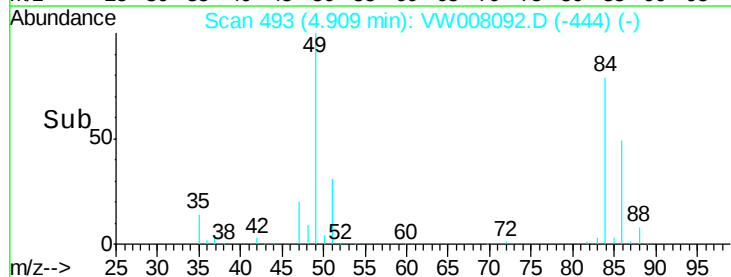
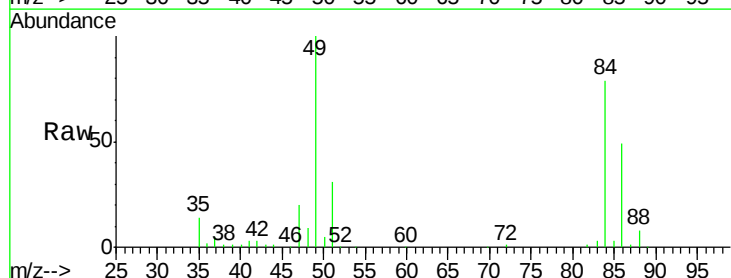
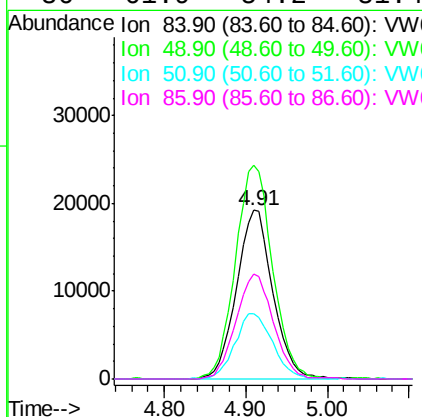
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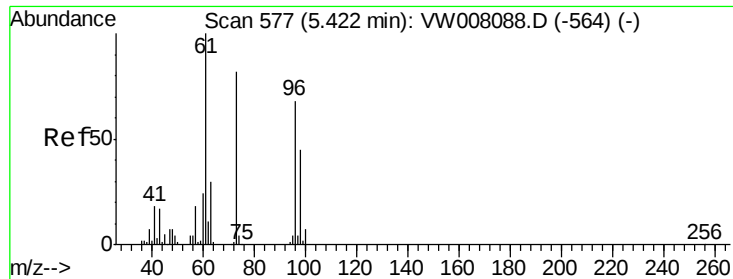
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#20
Methylene Chloride
Concen: 49.624 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion: 84 Resp: 59395
Ion Ratio Lower Upper
84 100
49 126.6 107.1 160.7
51 38.8 32.4 48.6
86 61.9 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 47.157 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

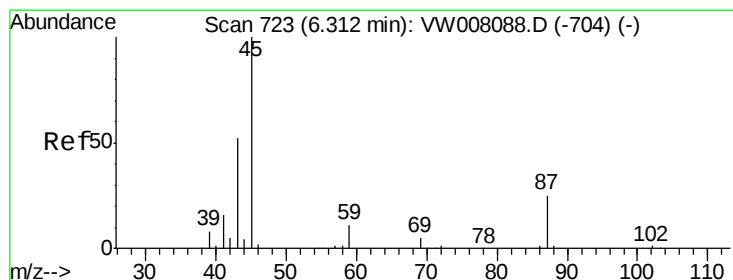
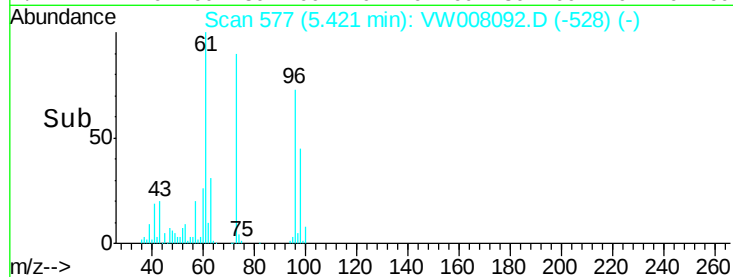
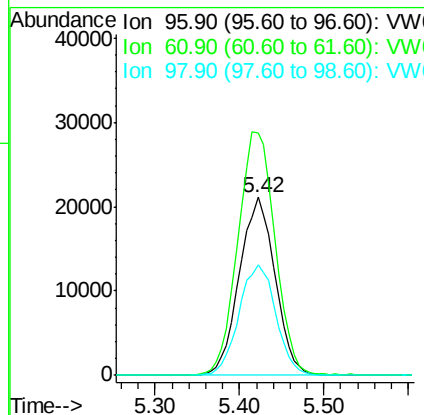
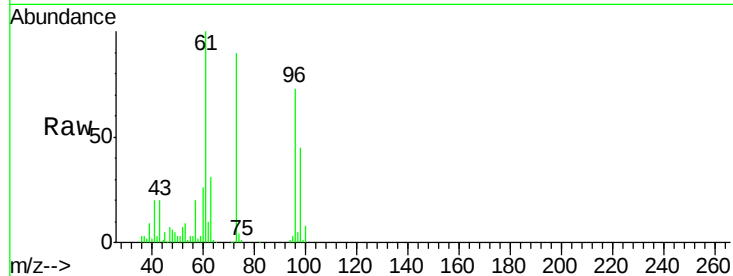
ClientSampleId :

ICVW010819

Tot Ion:	96	Resp:	60657
Ion	Ratio	Lower	Upper
96	100		
61	136.3	117.4	176.0
98	61.7	52.2	78.4

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#22

Diisopropyl ether

Concen: 47.806 ug/l

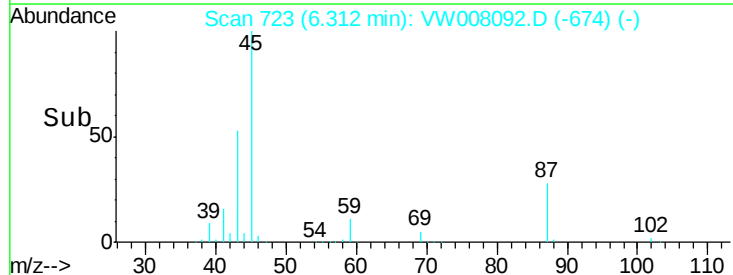
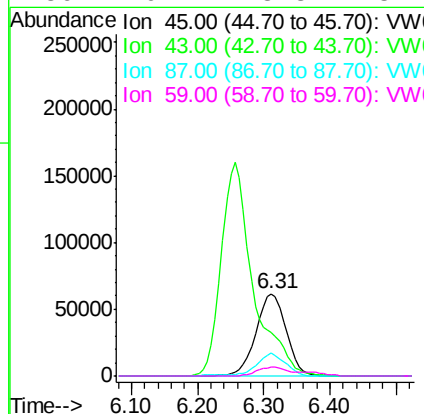
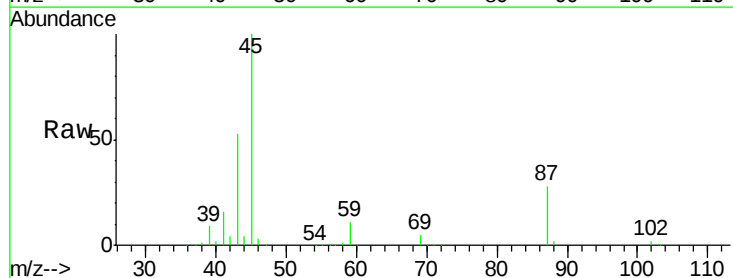
RT: 6.31 min Scan# 723

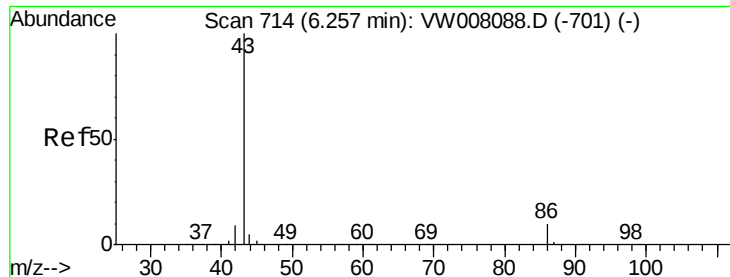
Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion:	45	Resp:	195934
Ion	Ratio	Lower	Upper
45	100		
43	52.8	41.7	62.5
87	27.8	20.1	30.1
59	10.4	8.8	13.2





#23

Vinyl Acetate

Concen: 248.653 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampleId :

ICVW010819

Tot Ion: 43 Resp: 535237

Ion Ratio Lower Upper

43 100

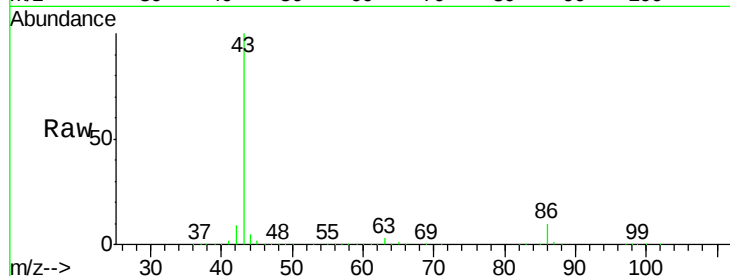
86 10.3 7.7 11.5

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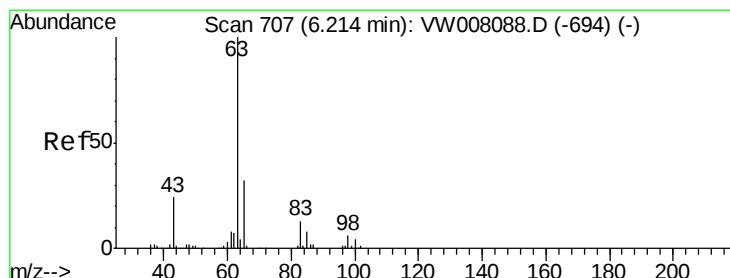
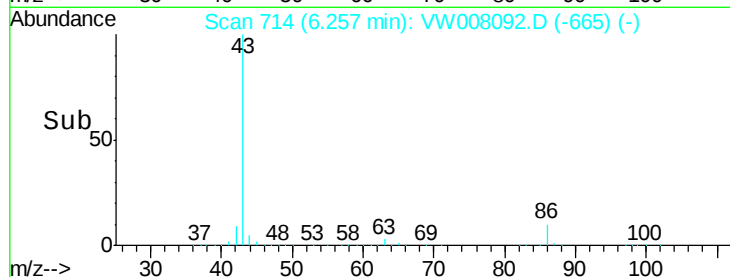
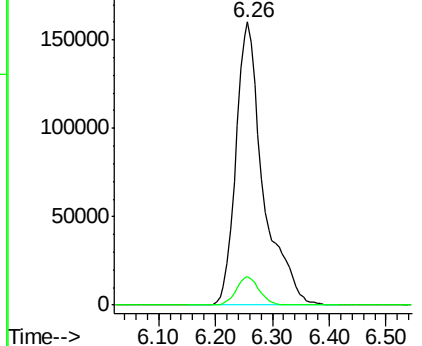
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 46.461 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

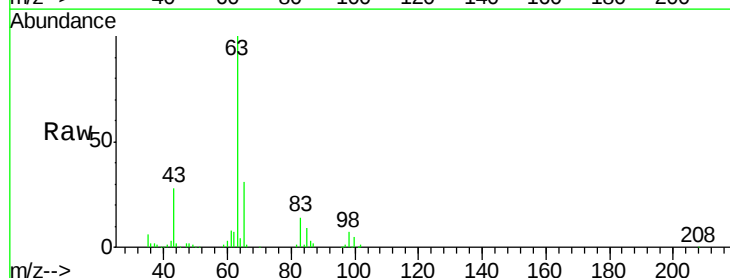
Tgt Ion: 63 Resp: 110951

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

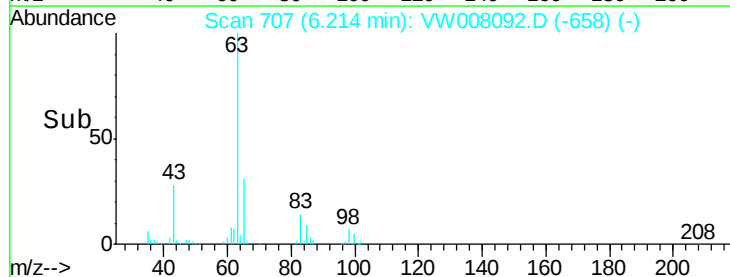
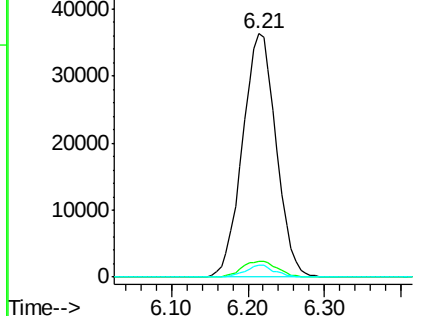
100 4.7 2.0 6.0

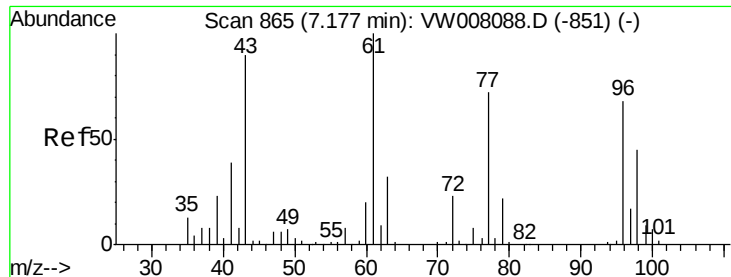


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 238.417 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampleId :

ICVW010819

Tot Ion: 43 Resp: 80582

Ion Ratio Lower Upper

43 100

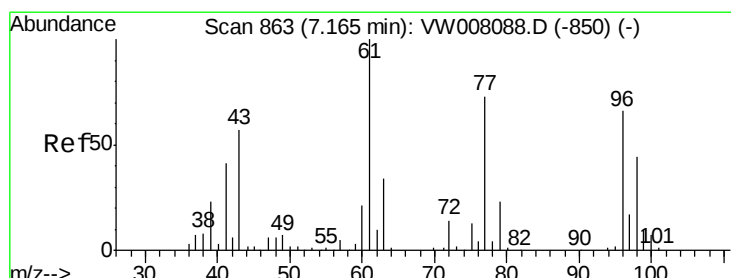
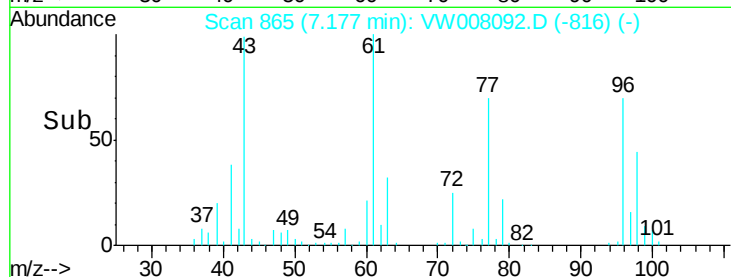
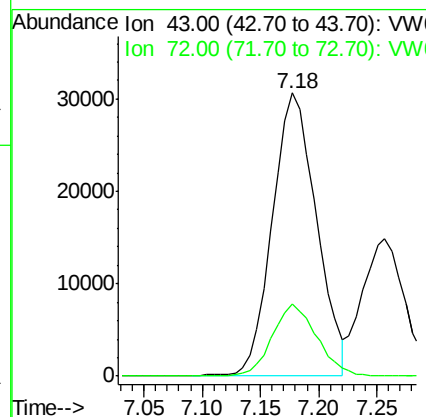
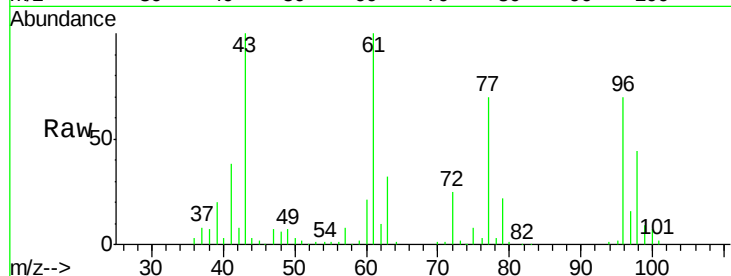
72 25.3 20.5 30.7

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#26

2,2-Dichloropropane

Concen: 44.508 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008092.D

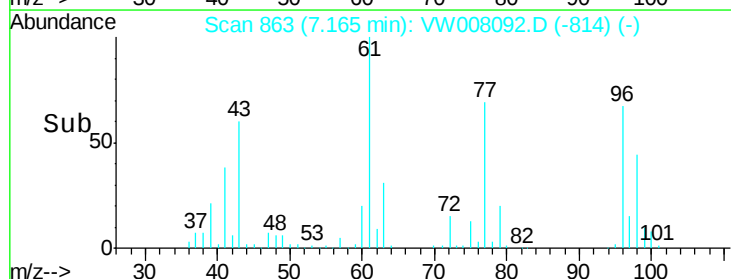
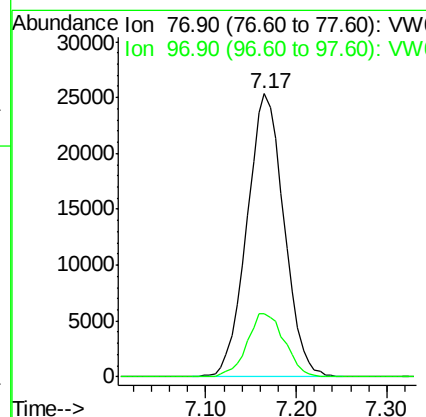
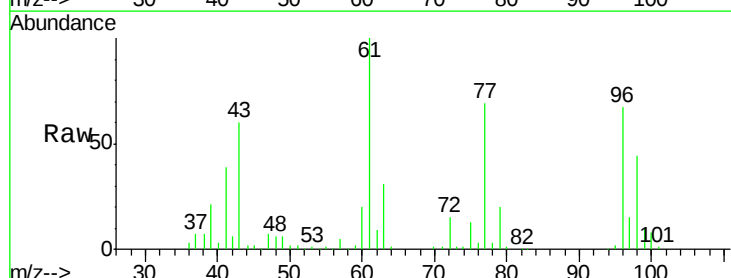
Acq: 08 Jan 2019 18:21

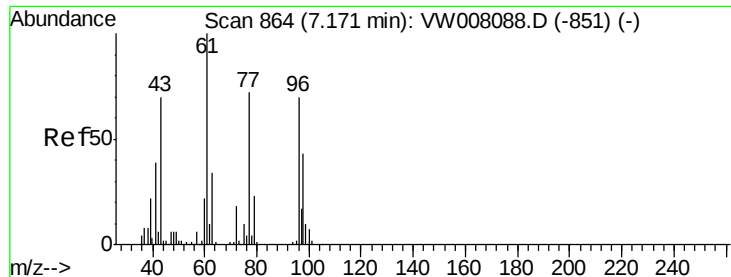
Tgt Ion: 77 Resp: 72018

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.1





#27

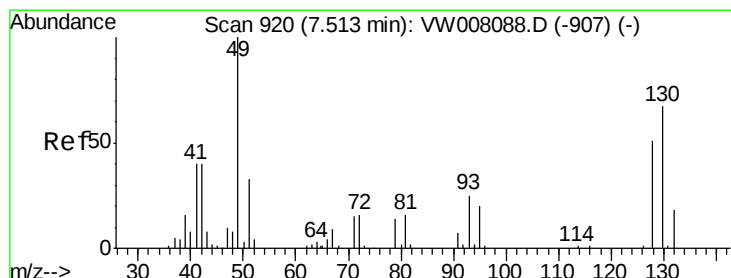
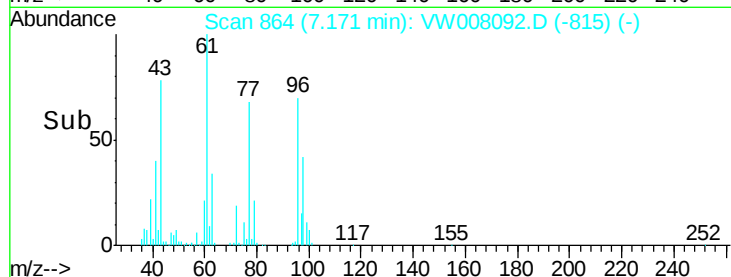
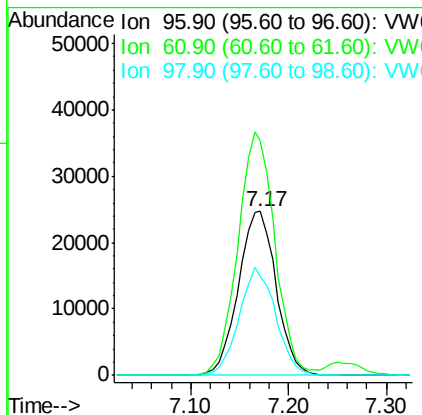
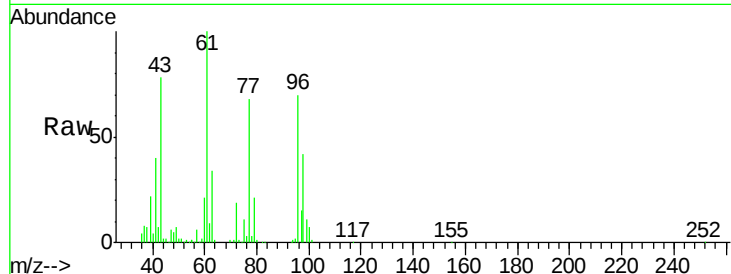
cis-1,2-Dichloroethene
Concen: 47.004 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	300.4
98	63.7	0.0	128.4

Manual Integrations
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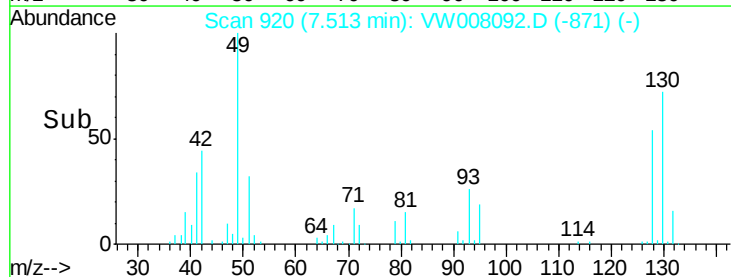
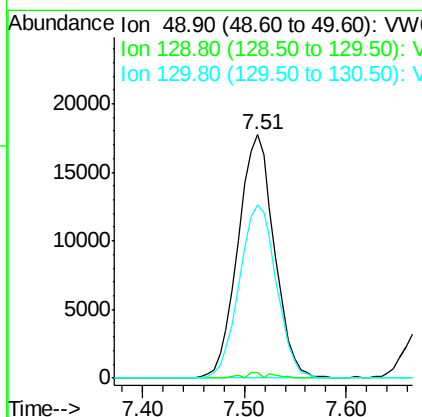
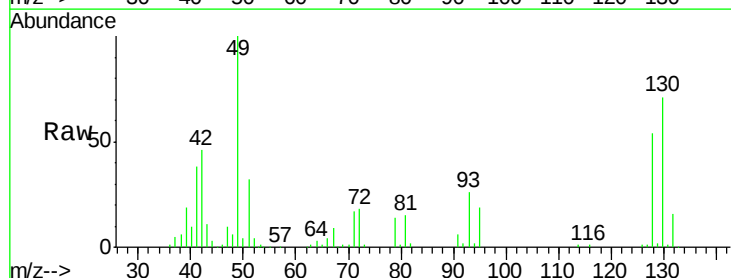
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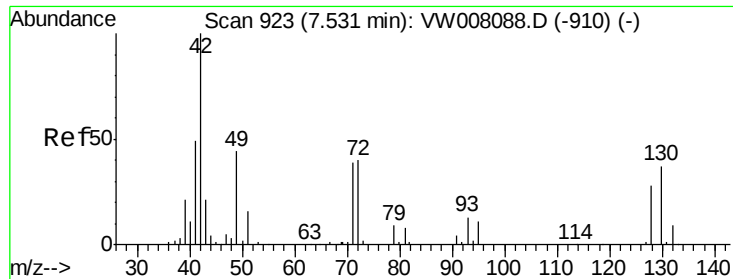


#28

Bromochloromethane
Concen: 46.538 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.8
130	72.6	54.3	81.5





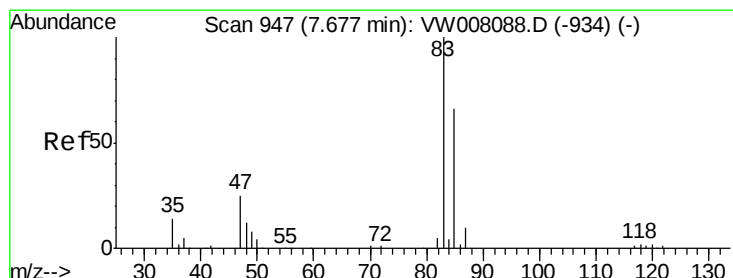
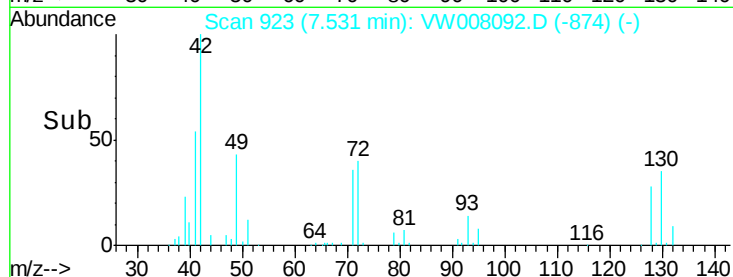
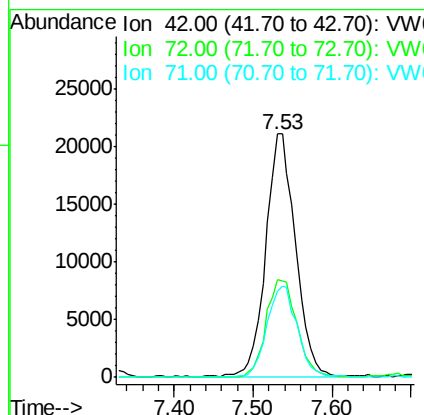
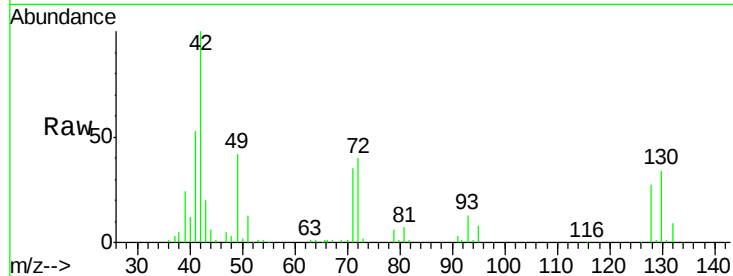
#29
Tetrahydrofuran
Concen: 246.883 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.4	48.6
71	38.2	31.3	46.9

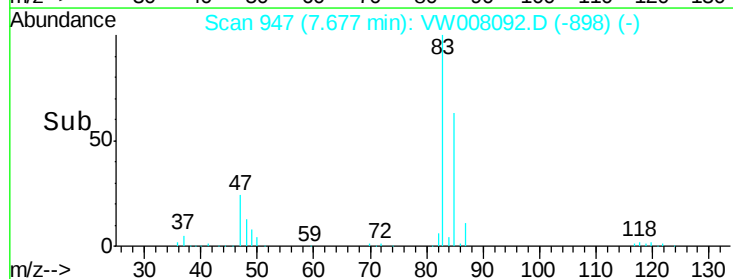
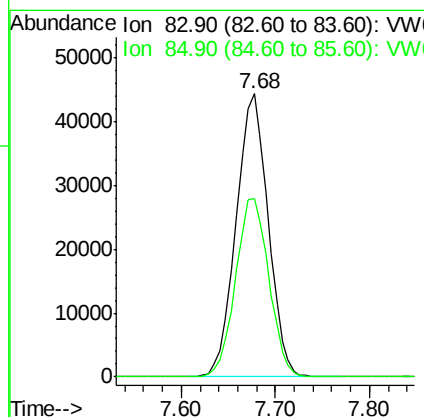
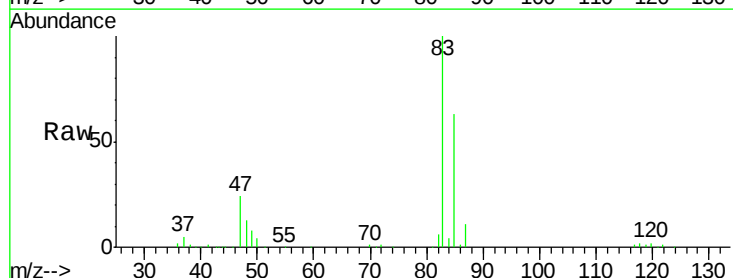
Manual Integrations
APPROVED

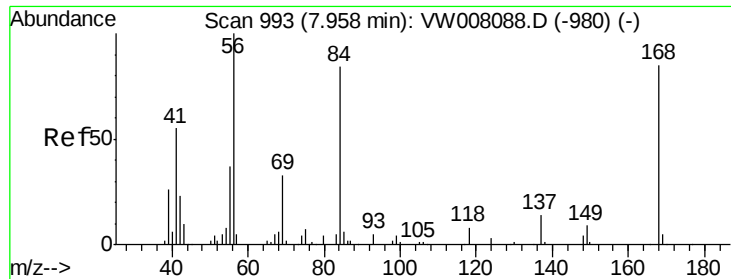
MMDadoda
1/9/2019 11:08:14 AM



#30
Chloroform
Concen: 46.236 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	53.2	79.8





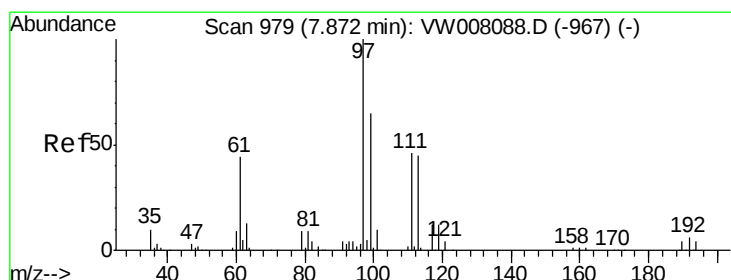
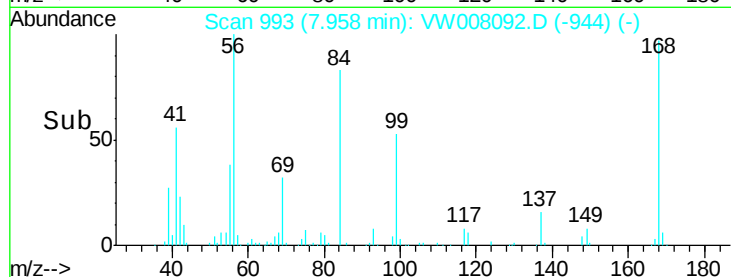
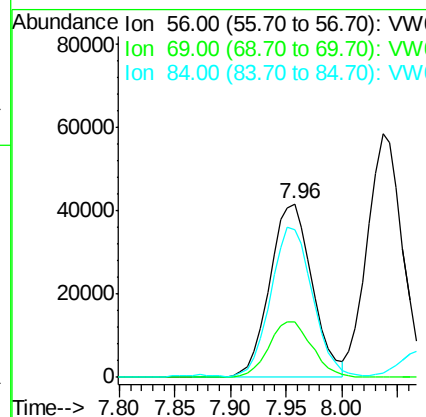
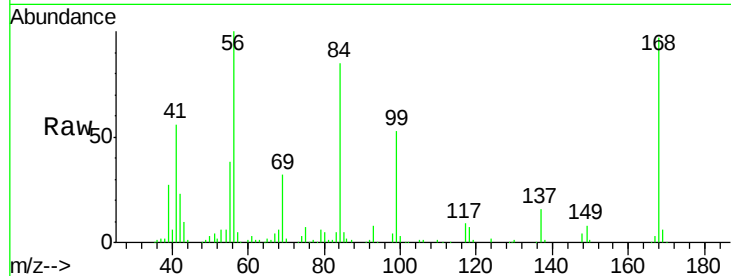
#31
Cyclohexane
Concen: 43.232 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampled :
ICVW010819

Tot Ion	Ratio	Resp	Lower	Upper
56	100	110521		
69	32.0		26.2	39.4
84	83.7		67.4	101.2

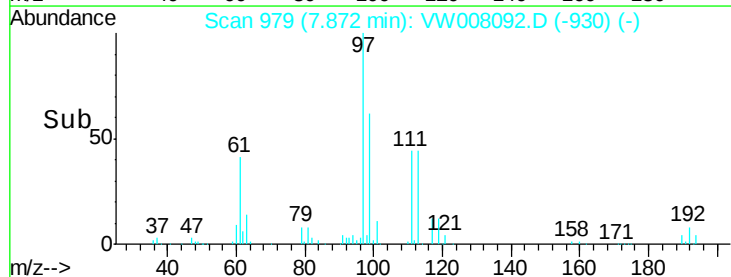
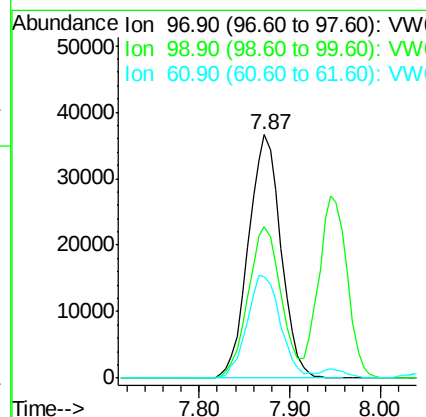
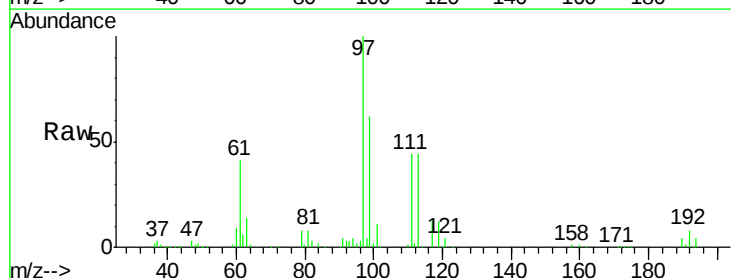
Manual Integrations
APPROVED

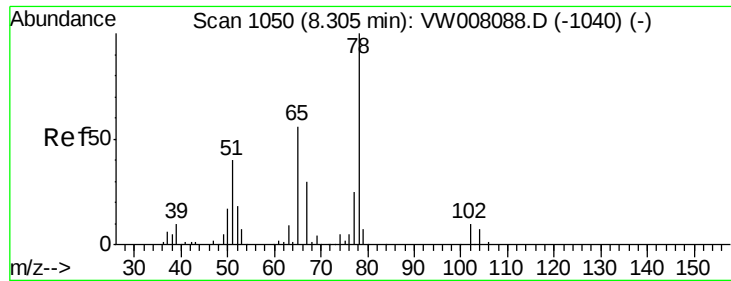
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#32
1,1,1-Trichloroethane
Concen: 45.960 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	90902		
99	62.7		51.4	77.0
61	43.7		35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 43.494 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampled :

ICVW010819

Tot Ion: 65 Resp: 52835

Ion Ratio Lower Upper

65 100

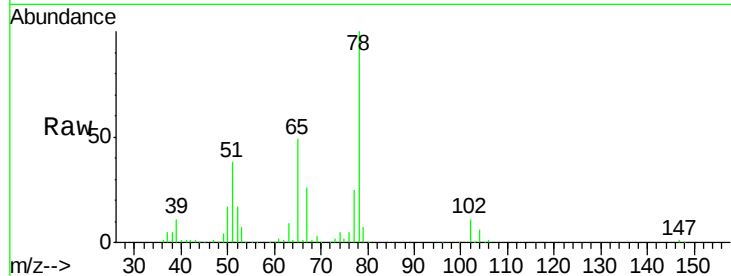
67 53.9 0.0 106.8

Manual Integrations

APPROVED

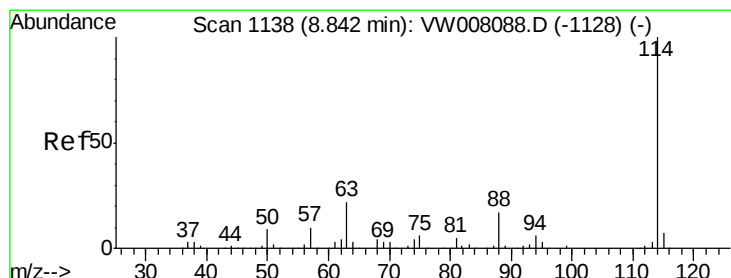
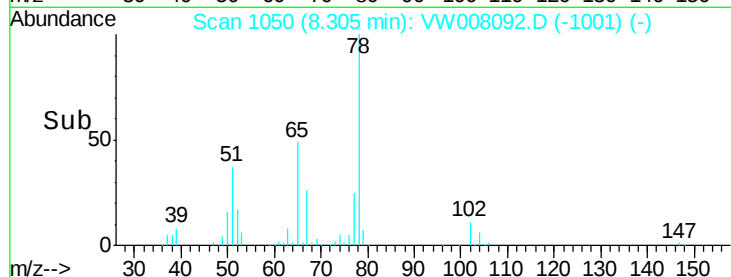
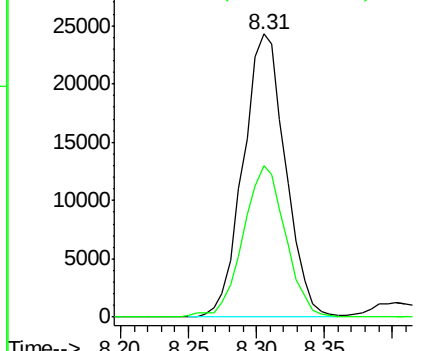
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

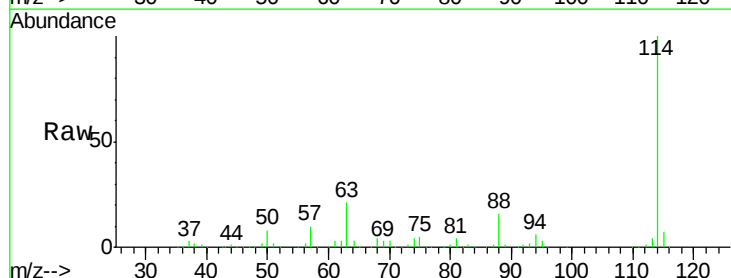
Tgt Ion: 114 Resp: 176924

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.4

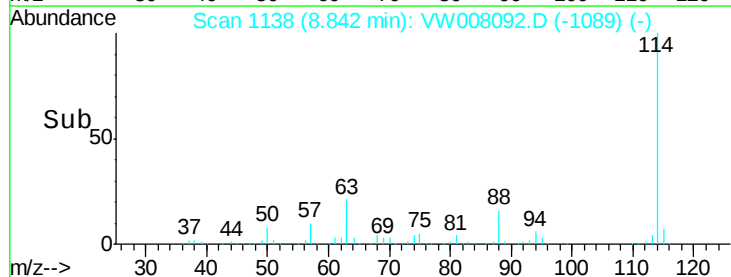
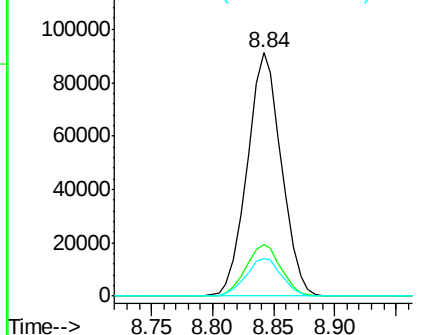
88 15.5 0.0 33.4

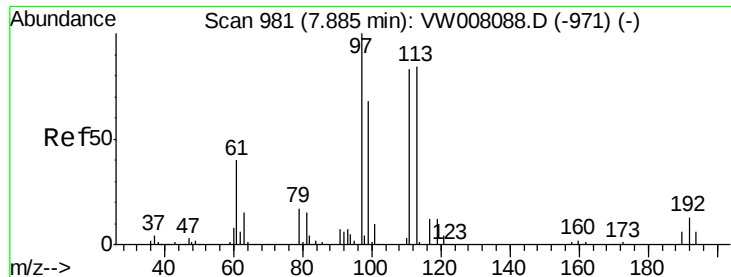


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 47.538 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

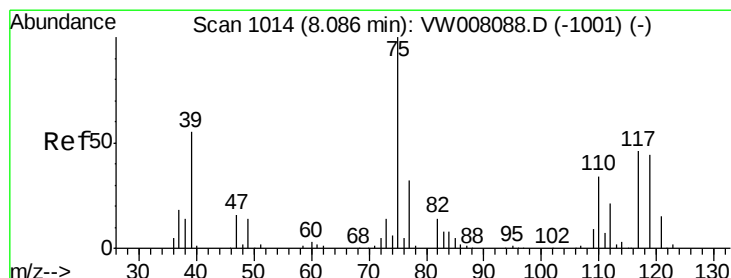
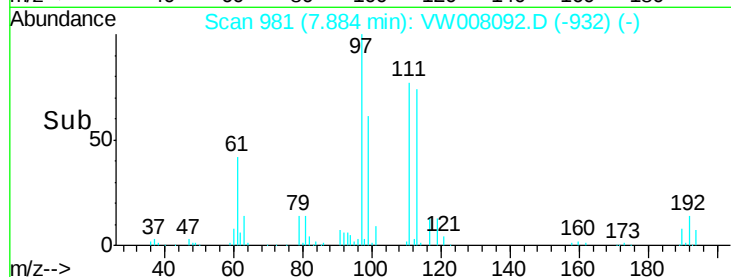
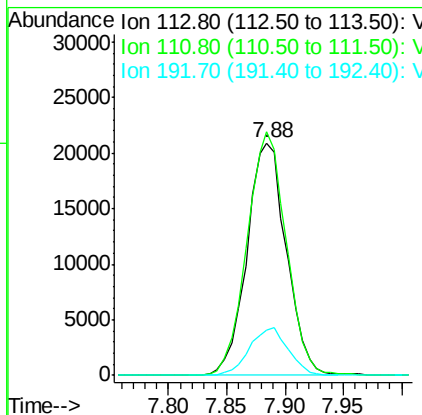
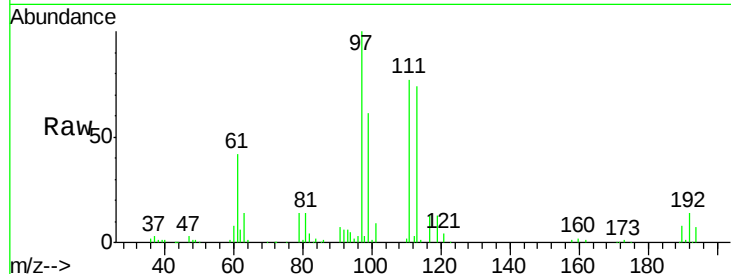
ClientSampleId :

ICVW010819

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.8	122.8
192	20.4	12.8	19.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.829 ug/l

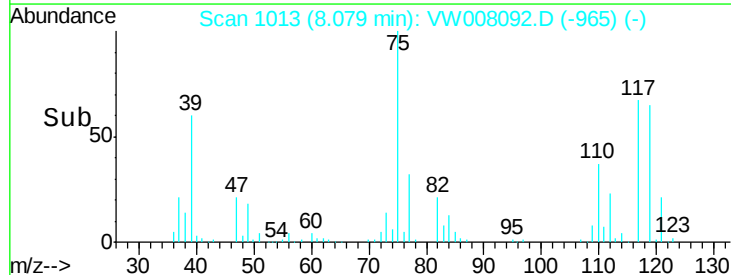
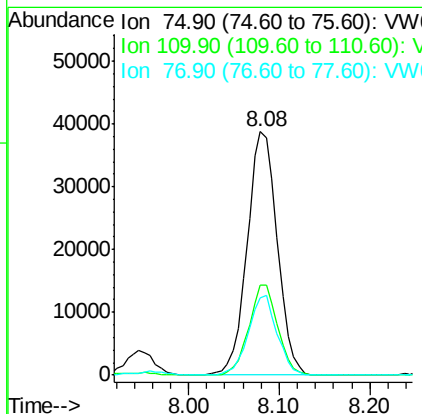
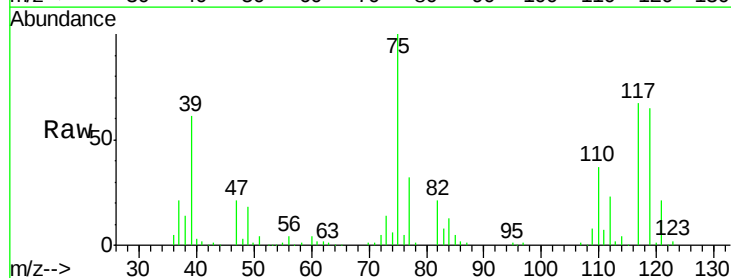
RT: 8.08 min Scan# 1013

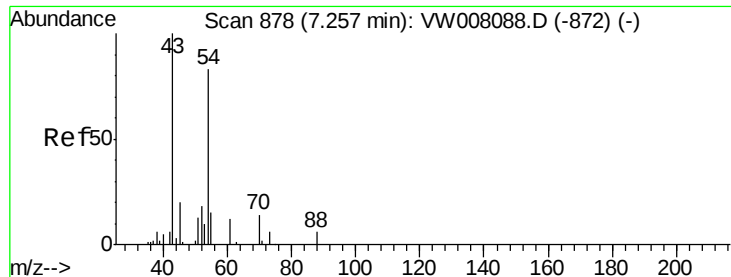
Delta R.T. -0.01 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.1	51.3
77	31.2	25.5	38.3





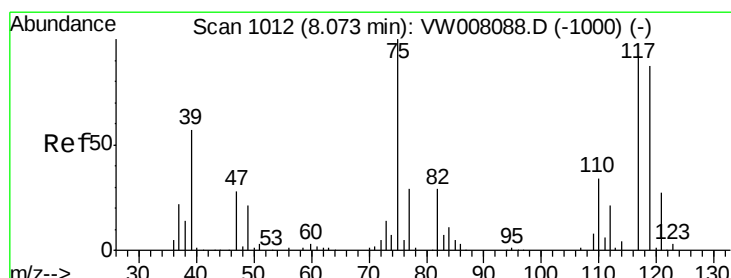
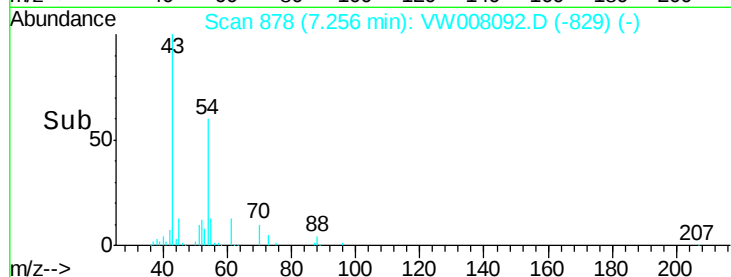
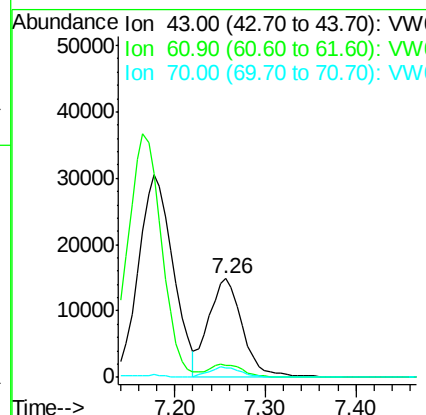
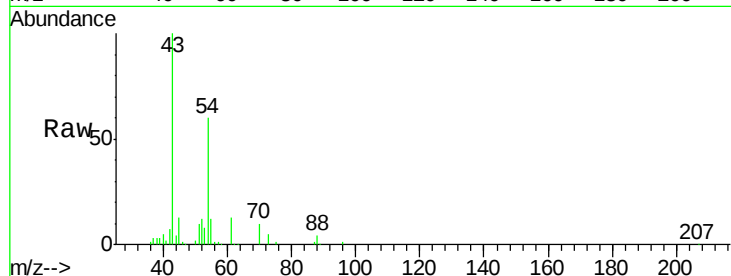
#37
Ethyl Acetate
Concen: 53.643 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleID :
ICVW010819

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.6	16.0
70	10.0	8.9	13.3

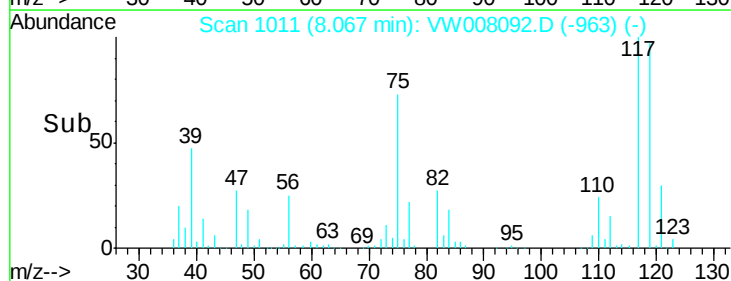
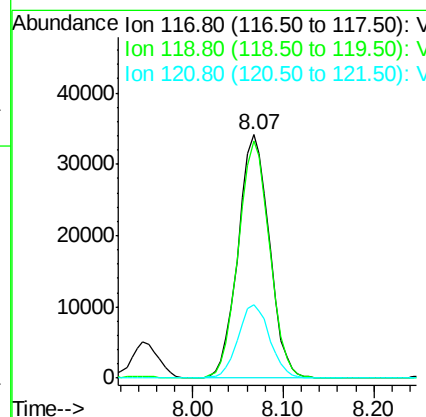
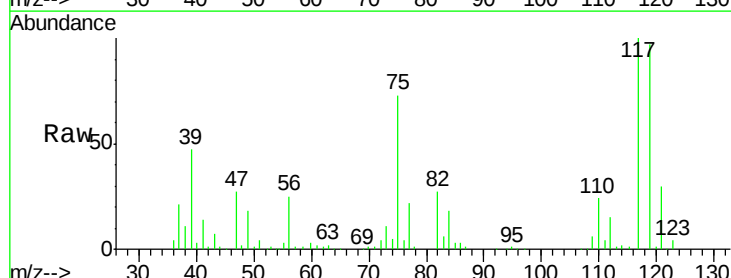
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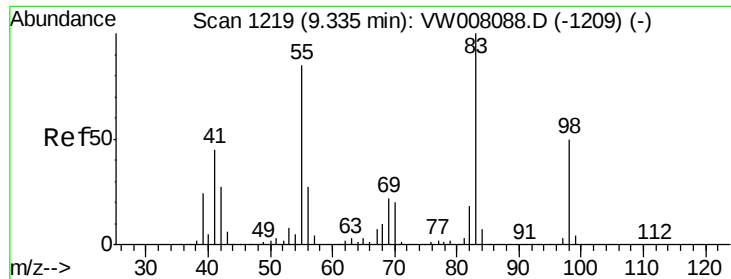
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#38
Carbon Tetrachloride
Concen: 49.013 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.8	113.8
121	30.1	23.7	35.5





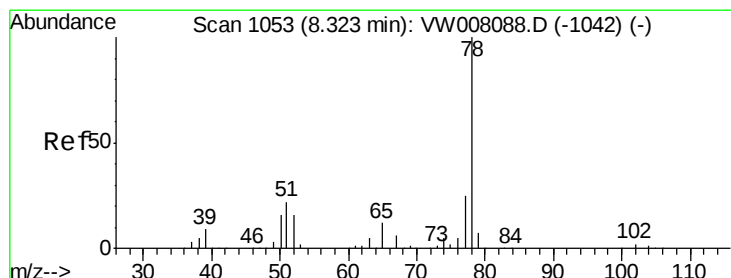
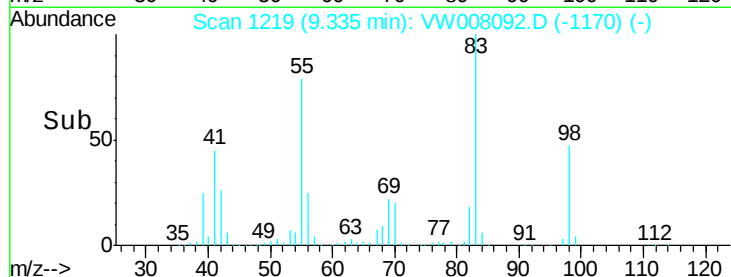
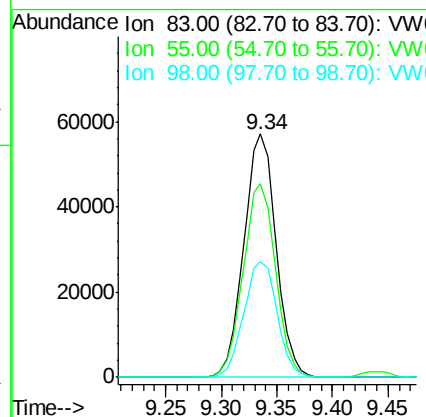
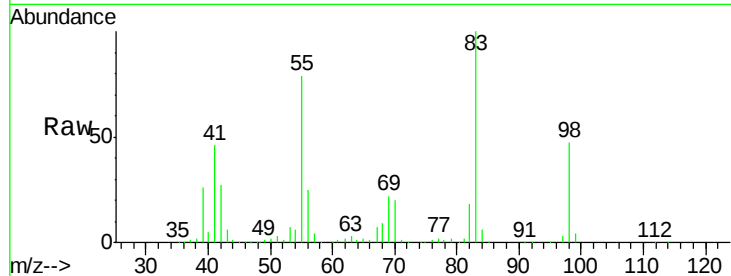
#39
Methvlcvclohexane
Concen: 49.697 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion	83	Resp	114844
Ion Ratio	100	Lower	Upper
83	100		
55	79.3	67.8	101.6
98	47.3	40.2	60.4

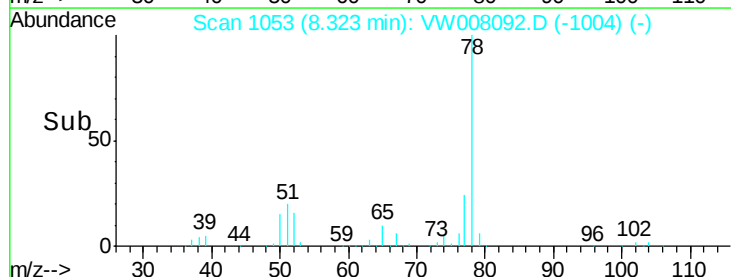
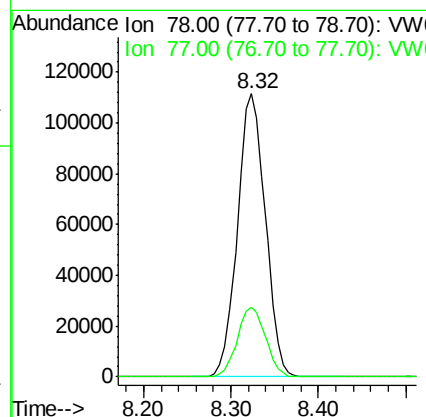
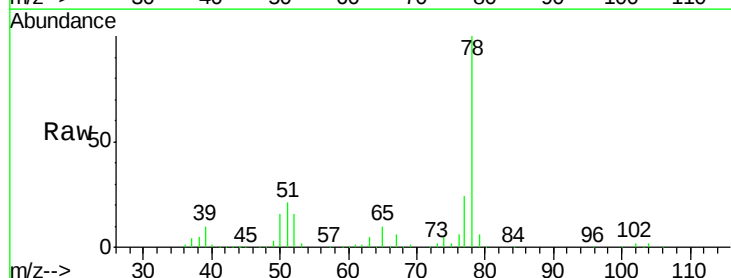
Manual Integrations
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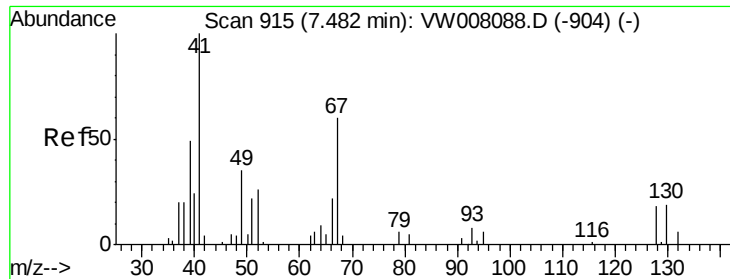
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#40
Benzene
Concen: 49.993 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	78	Resp	247120
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	20.2	30.4





#41

Methacrylonitrile

Concen: 55.725 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampleId :

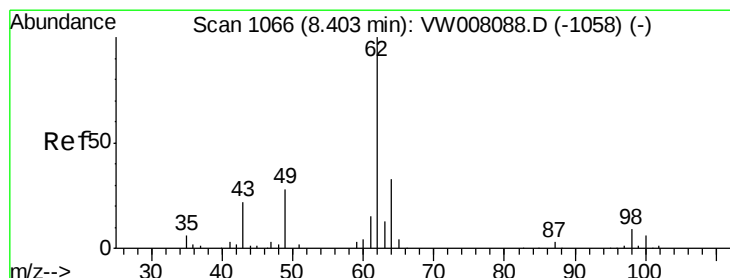
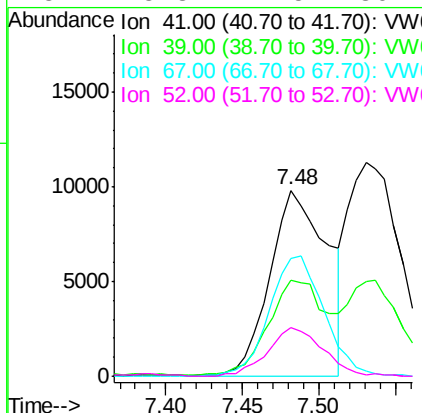
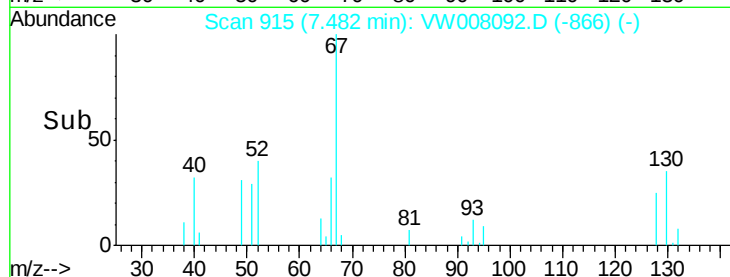
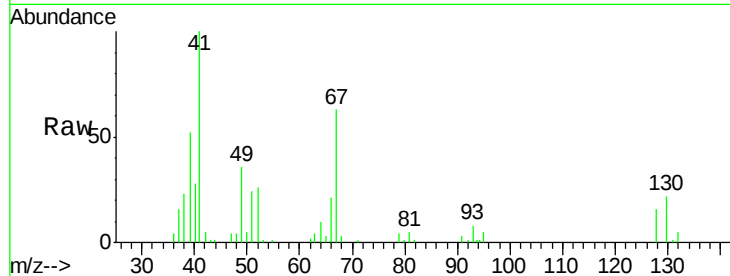
ICVW010819

Tot Ion: 41 Resp: 25702

Ion	Ratio	Lower	Upper
41	100		
39	52.6	47.9	71.9
67	61.1	56.3	84.5
52	25.3	24.5	36.7

Manual Integrations
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MMDadoda
1/9/2019 11:08:14 AM



#42

1,2-Dichloroethane

Concen: 48.897 ug/l

RT: 8.40 min Scan# 1066

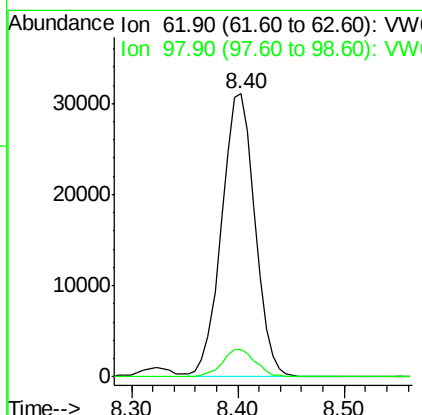
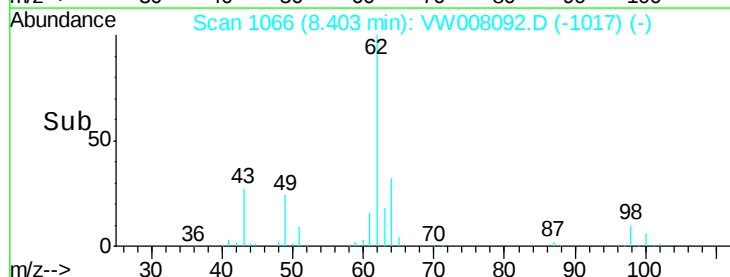
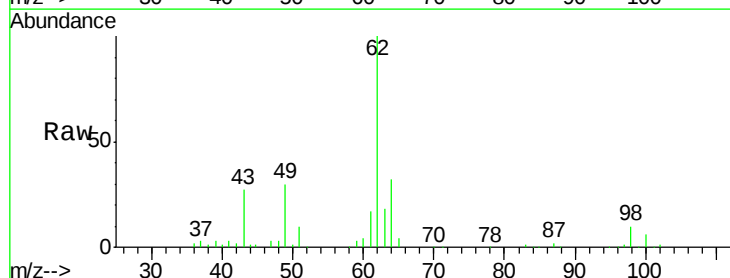
Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion: 62 Resp: 67980

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 53.047 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

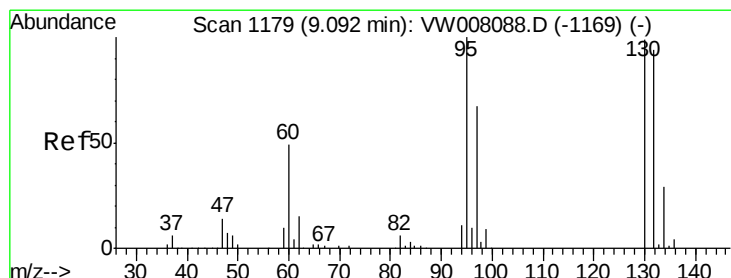
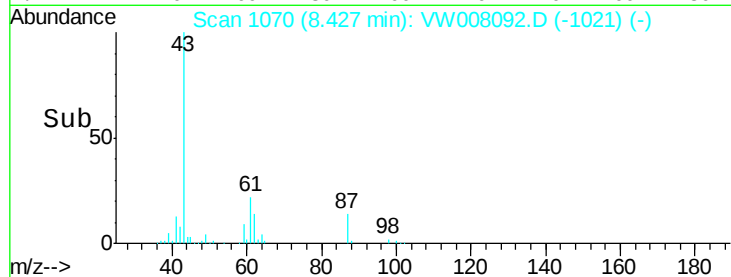
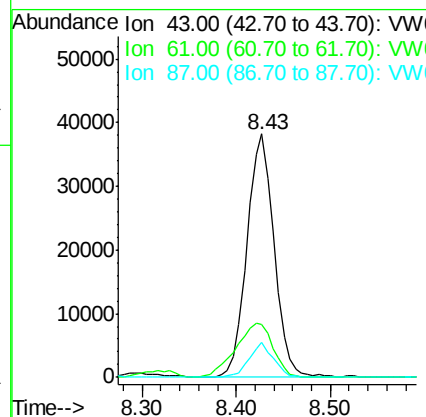
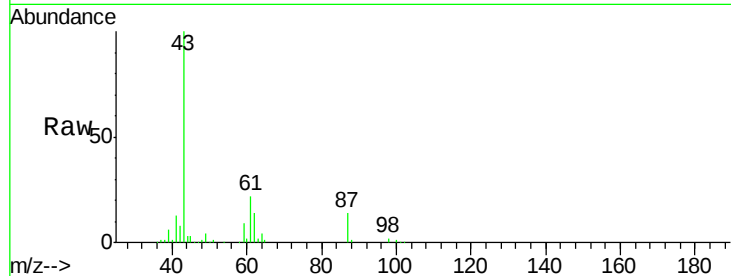
ClientSampleId :

ICVW010819

Tot Ion:	43	Resp:	77440
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.8	37.2
87	12.7	10.4	15.6

Manual Integrations
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#44

Trichloroethene

Concen: 51.649 ug/l

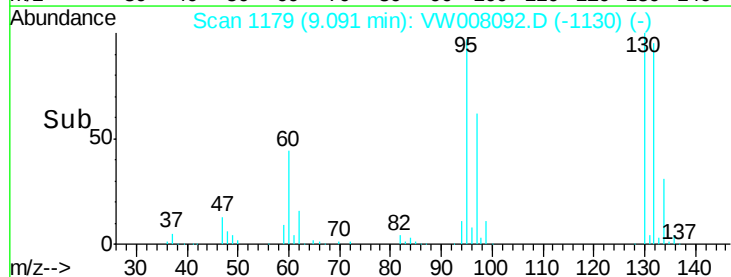
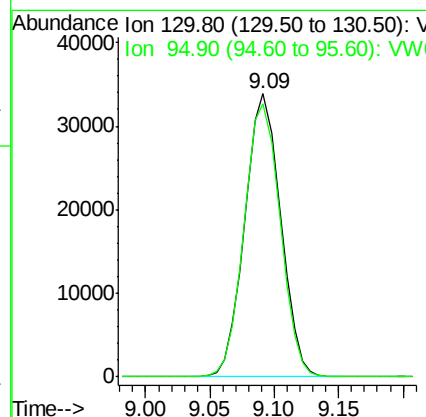
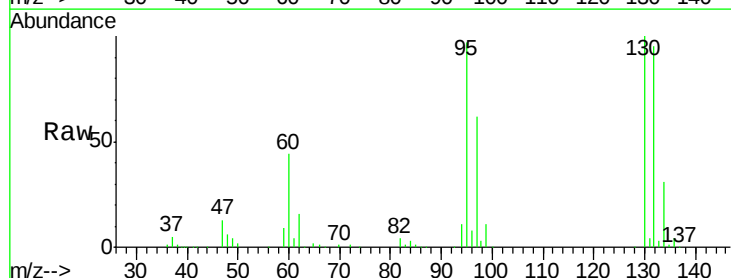
RT: 9.09 min Scan# 1179

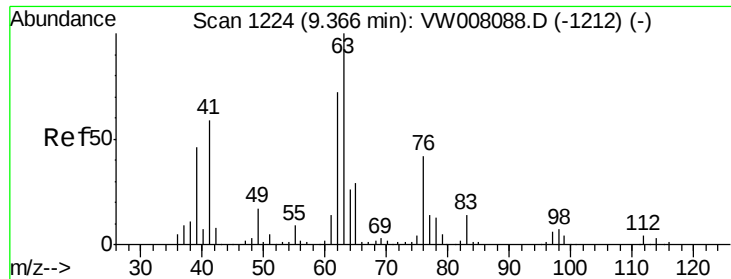
Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion:	130	Resp:	65355
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	202.8





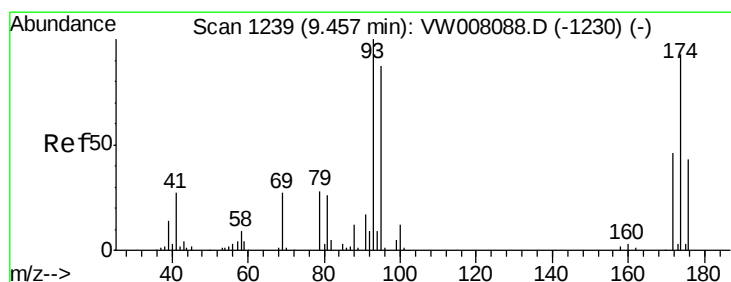
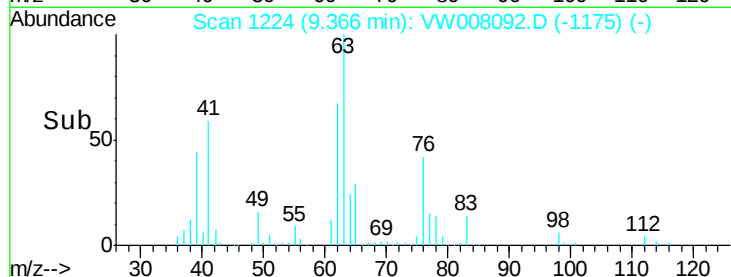
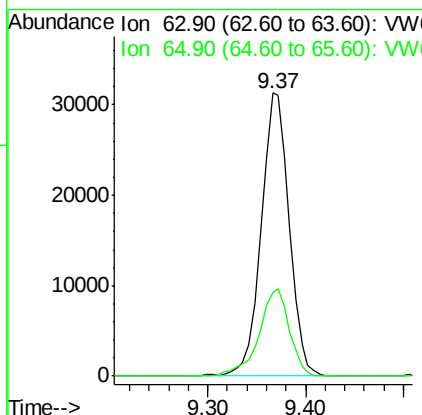
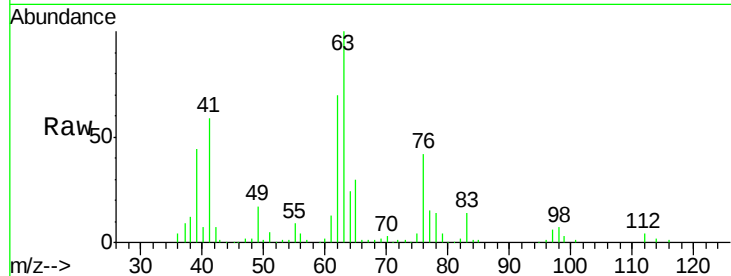
#45
 1,2-Dichloropropane
 Concen: 51.110 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008092.D
 Acq: 08 Jan 2019 18:21

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW010819

Tot Ion: 63 Resp: 62645
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.3 34.9

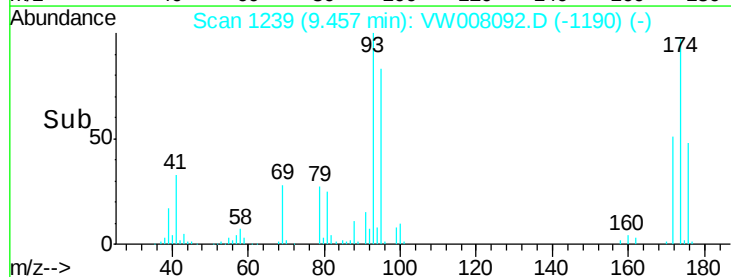
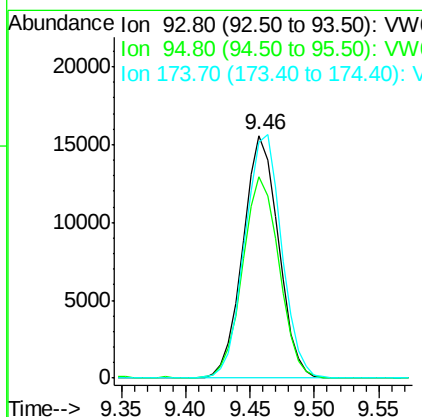
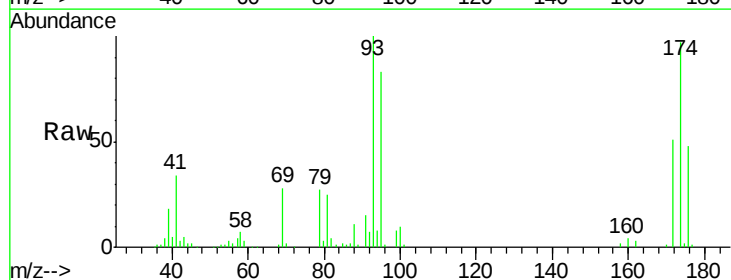
Manual Integrations
 APPROVED

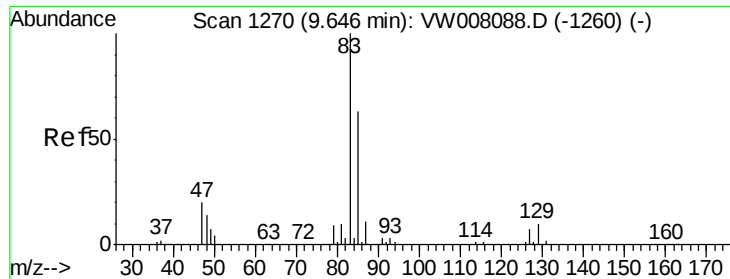
MMDadoda
 1/9/2019 11:08:14 AM



#46
 Dibromomethane
 Concen: 49.454 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008092.D
 Acq: 08 Jan 2019 18:21

Tgt Ion: 93 Resp: 29768
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.5 101.3
 174 103.8 72.5 108.7





#47

Bromodichloromethane

Concen: 50.655 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

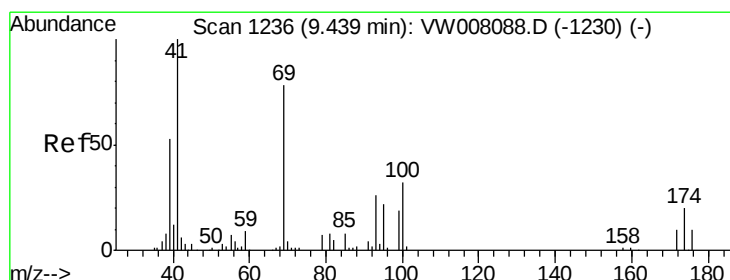
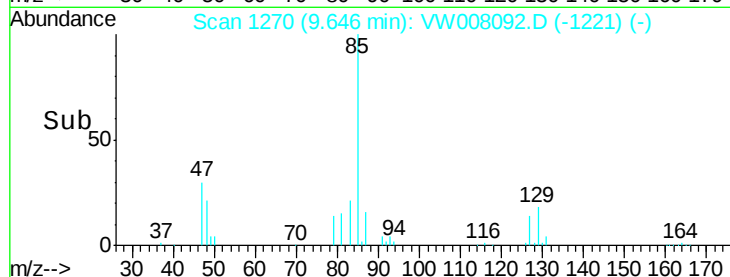
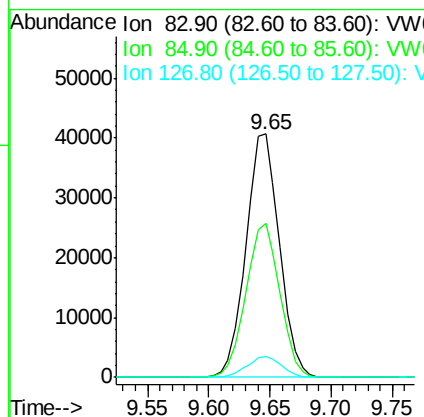
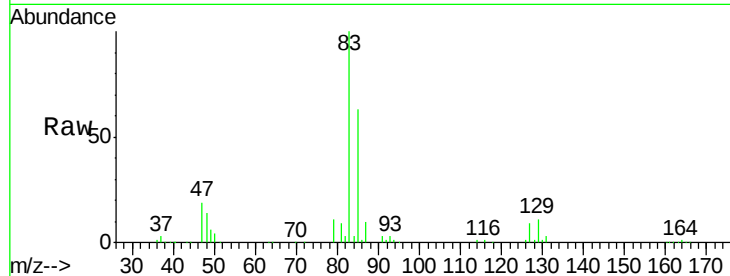
ClientSampleId :

ICVW010819

Tot Ion:	83	Resp:	77423
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.7	76.1
127	8.5	6.0	9.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.321 ug/l

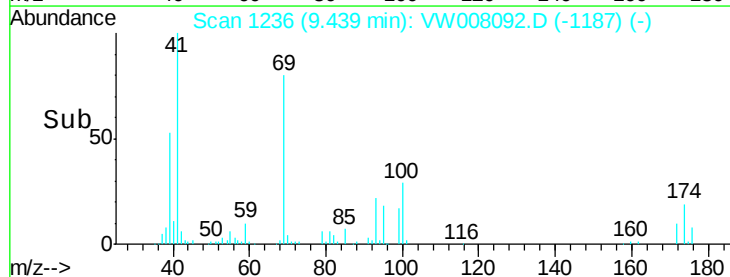
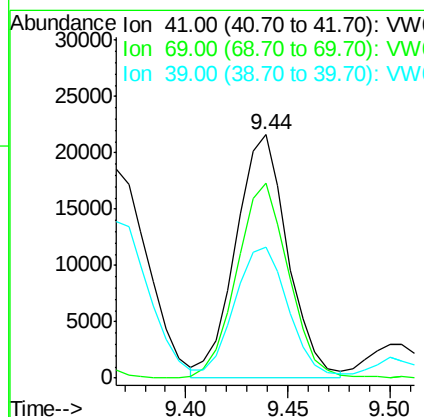
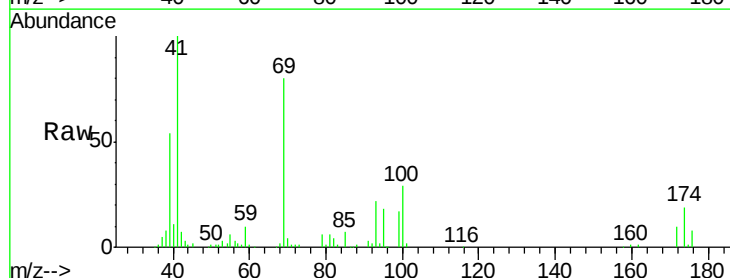
RT: 9.44 min Scan# 1236

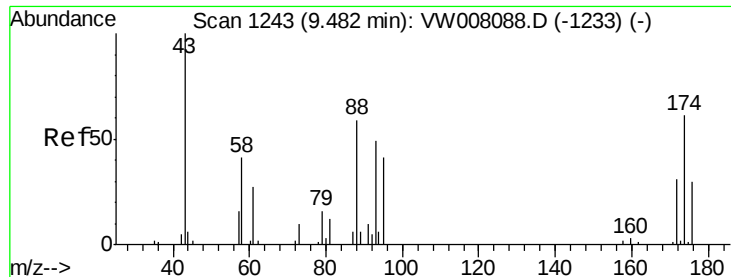
Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion:	41	Resp:	38107
Ion	Ratio	Lower	Upper
41	100		
69	80.4	61.9	92.9
39	51.8	43.0	64.4





#49

1,4-Dioxane

Concen: 986.128 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

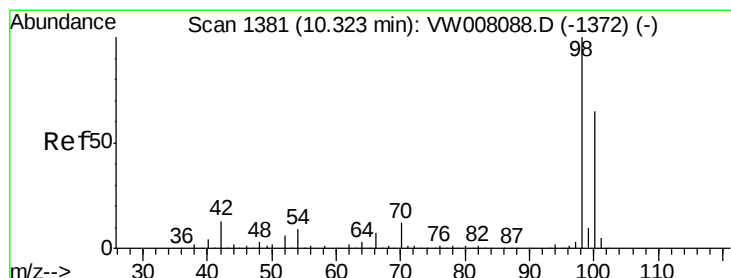
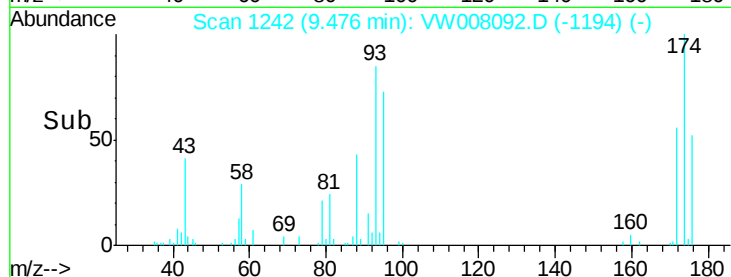
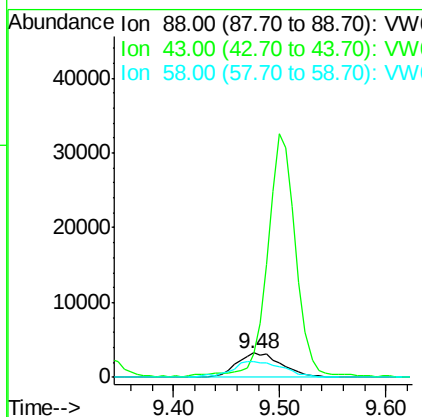
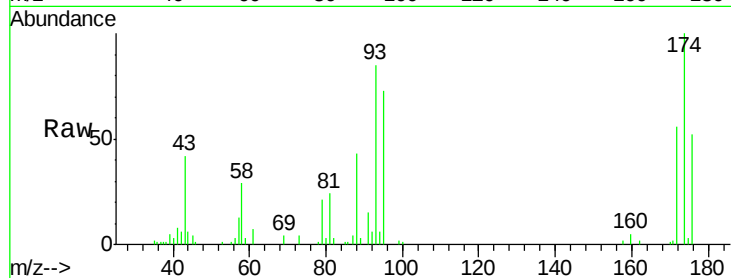
ClientSampleId :

ICVW010819

Tot Ion:	88	Resp:	9546
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	76.8	61.7	92.5

Manual Integrations
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#50

Toluene-d8

Concen: 46.976 ug/l

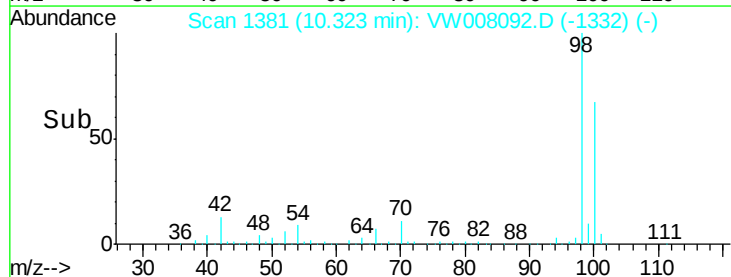
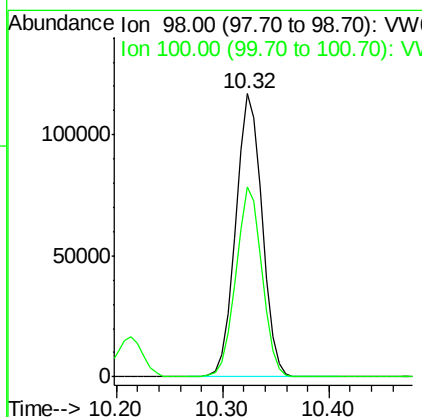
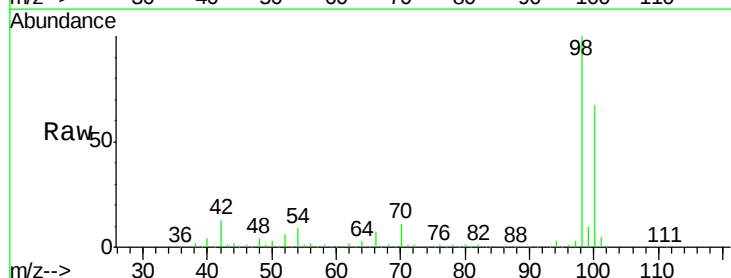
RT: 10.32 min Scan# 1381

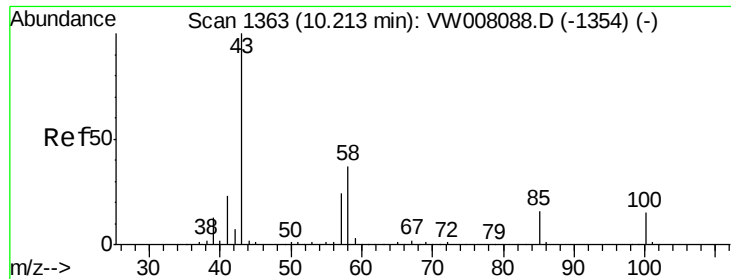
Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion:	98	Resp:	203418
Ion	Ratio	Lower	Upper
98	100		
100	66.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 262.457 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampled :

ICVW010819

Tot Ion: 43 Resp: 185464

Ion Ratio Lower Upper

43 100

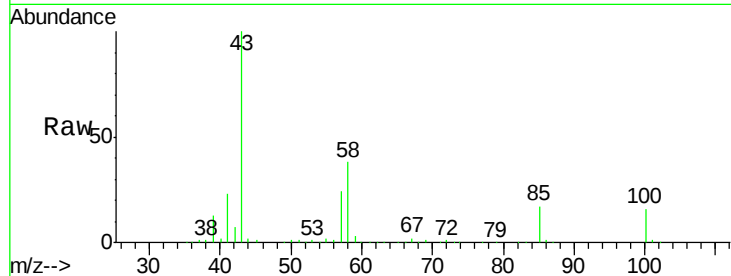
58 38.3 30.6 46.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

120000

100000

80000

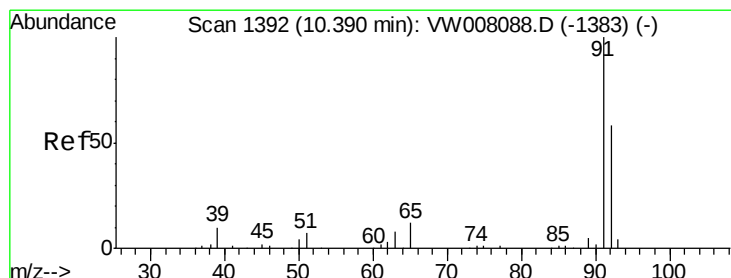
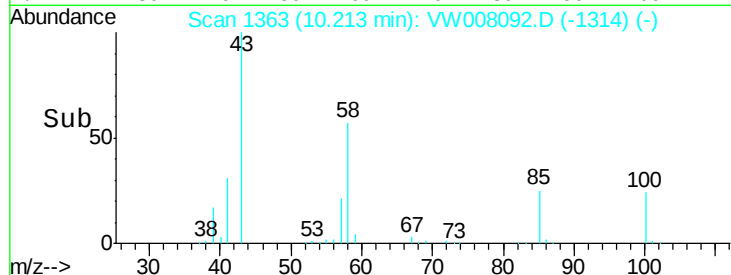
60000

40000

20000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 49.734 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008092.D

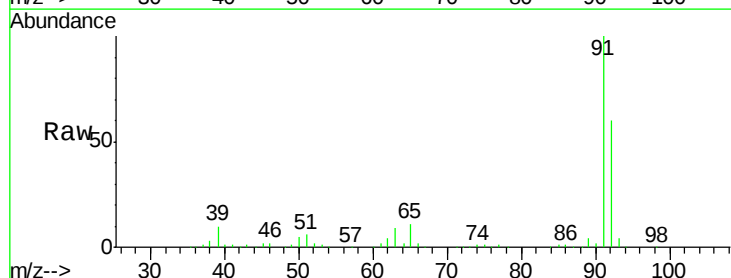
Acq: 08 Jan 2019 18:21

Tgt Ion: 92 Resp: 157003

Ion Ratio Lower Upper

92 100

91 172.2 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

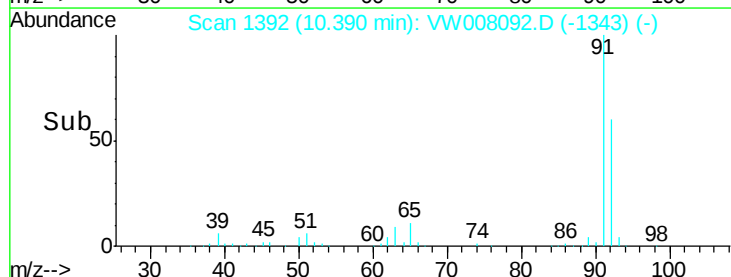
150000

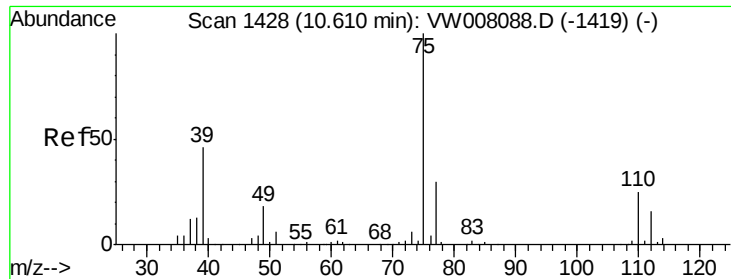
100000

50000

0

Time--> 10.30 10.40





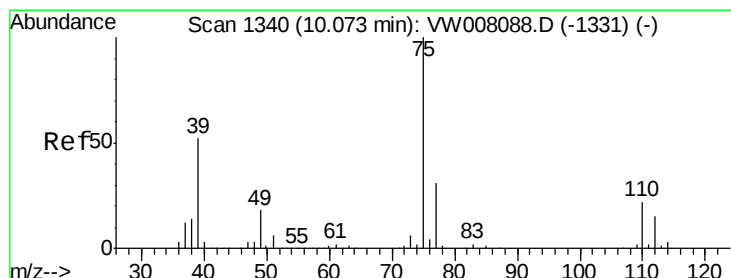
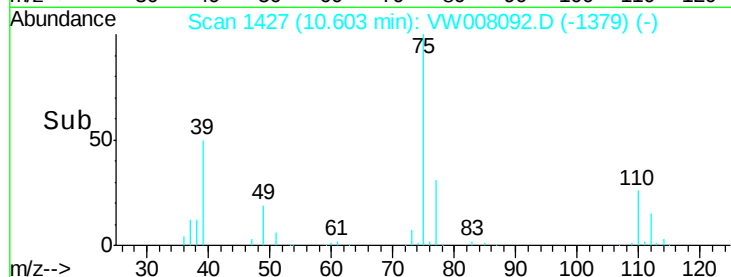
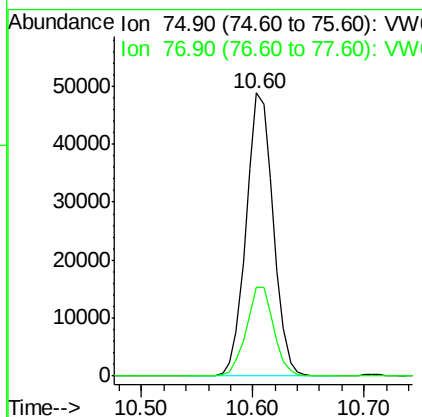
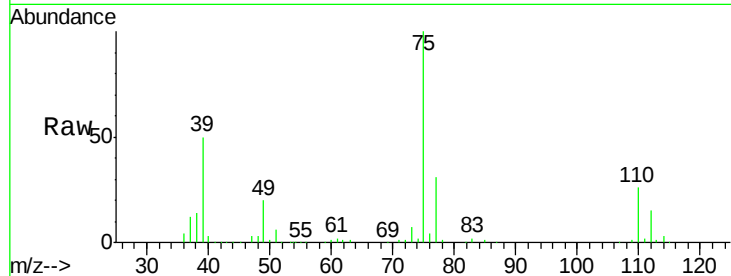
#53
t-1,3-Dichloropropene
Concen: 52.049 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampled :
ICVW010819

Tot Ion: 75 Resp: 82751
Ion Ratio Lower Upper
75 100
77 31.3 24.4 36.6

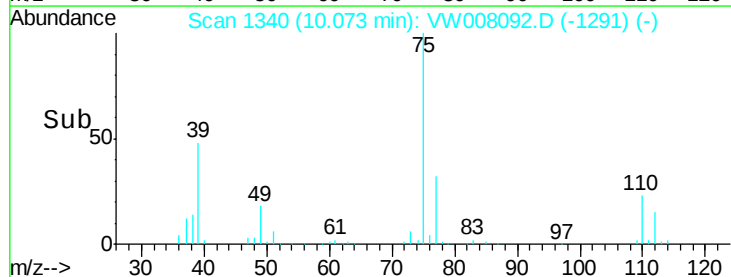
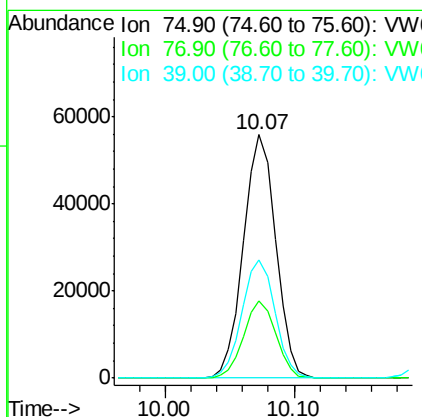
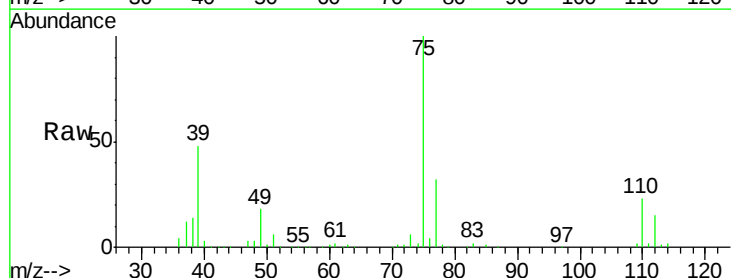
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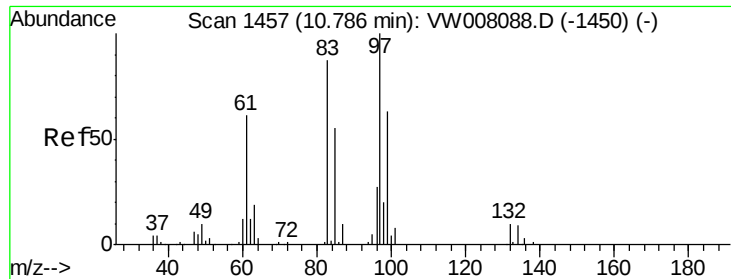
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.469 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion: 75 Resp: 97034
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
39 48.2 41.4 62.0





#55

1,1,2-Trichloroethane

Concen: 51.950 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

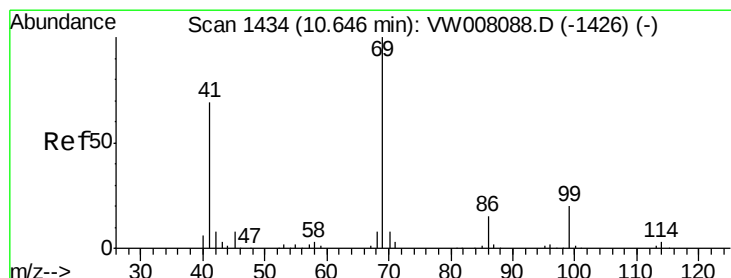
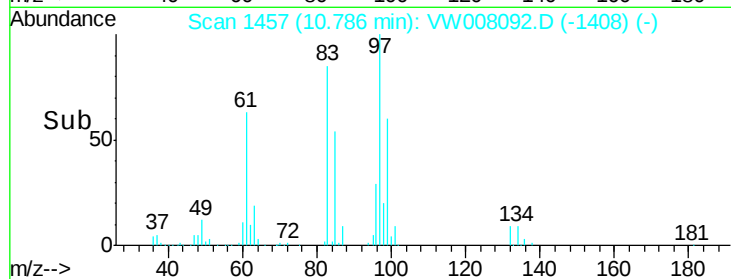
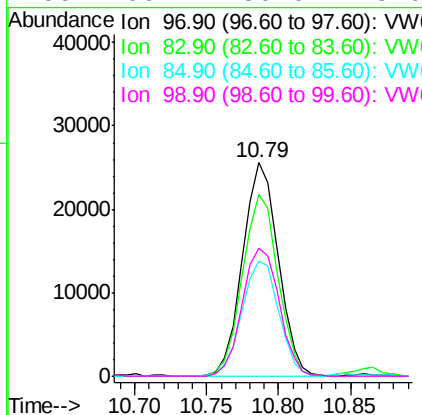
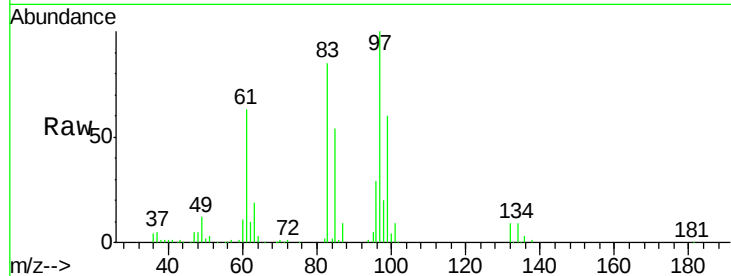
ClientSampleId :

ICVW010819

Tot Ion:	97	Resp:	43904
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.3	103.9
85	54.2	43.8	65.6
99	60.1	50.0	75.0

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#56

Ethyl methacrylate

Concen: 55.318 ug/l

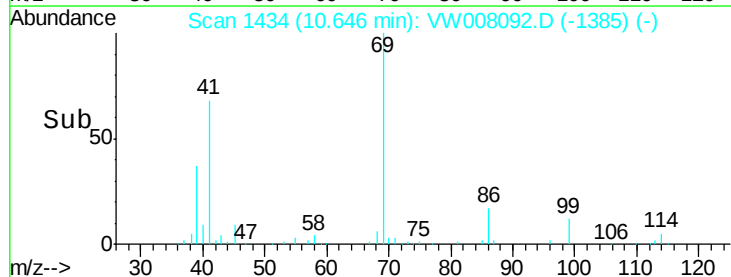
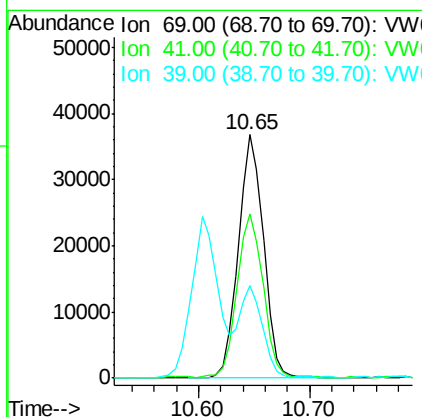
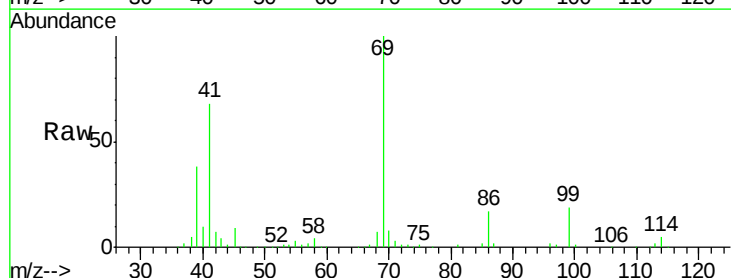
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion:	69	Resp:	57896
Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.4	84.6
39	34.6	28.1	42.1





#57

1,3-Dichloropropane

Concen: 50.334 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampleId :

ICVW010819

Tot Ion: 76 Resp: 77796

Ion Ratio Lower Upper

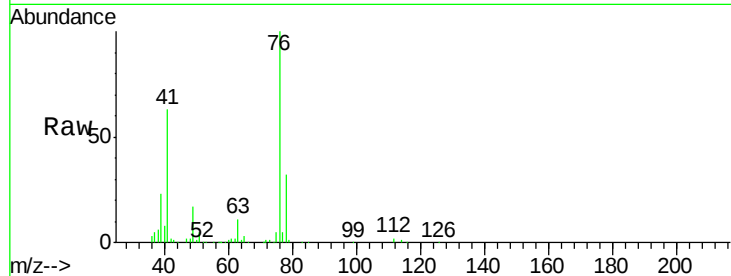
76 100

78 32.9 25.7 38.5

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

50000

40000

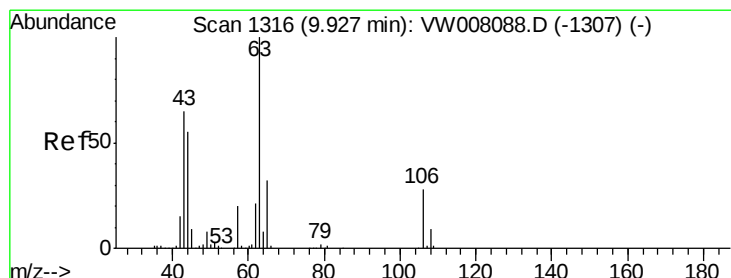
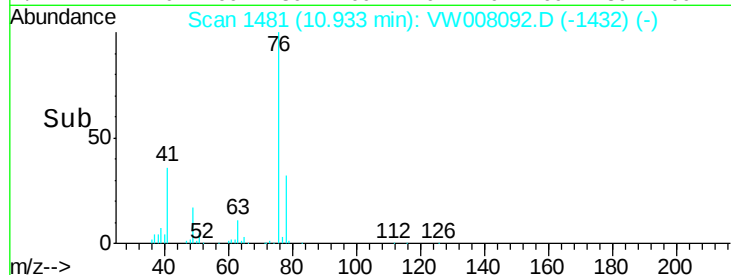
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 242.929 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW008092.D

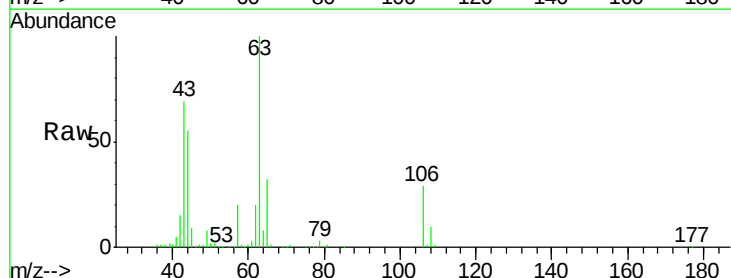
Acq: 08 Jan 2019 18:21

Tgt Ion: 63 Resp: 131334

Ion Ratio Lower Upper

63 100

106 28.0 21.8 32.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

80000

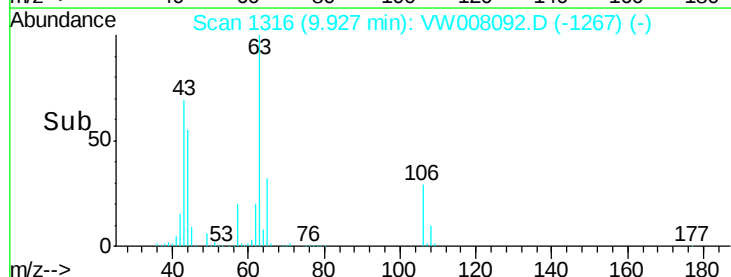
60000

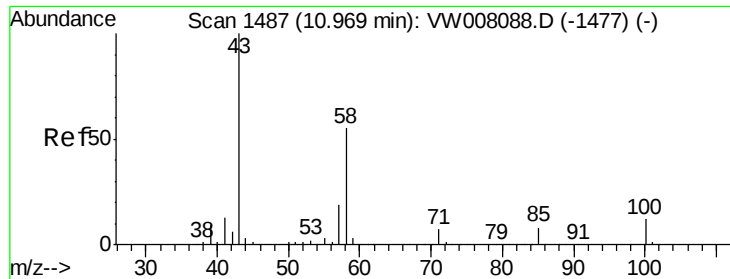
40000

20000

0

Time-->





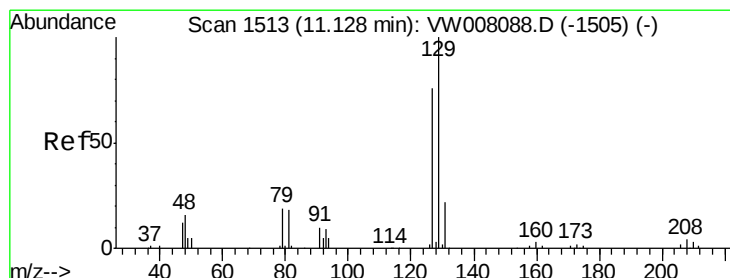
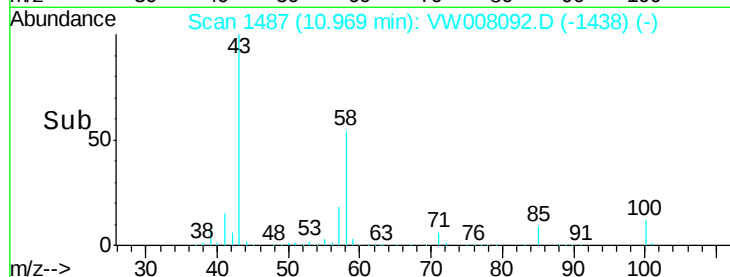
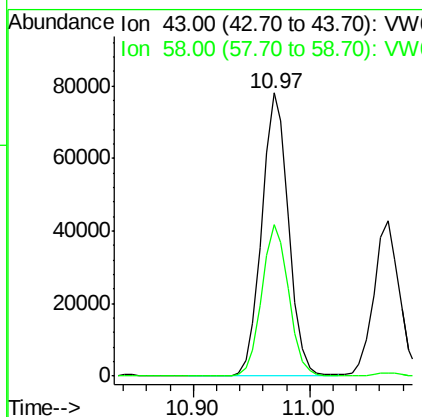
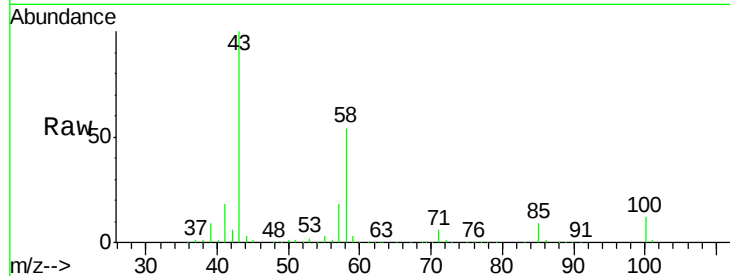
#59
2-Hexanone
Concen: 261.885 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion: 43 Resp: 125146
Ion Ratio Lower Upper
43 100
58 53.7 27.2 81.5

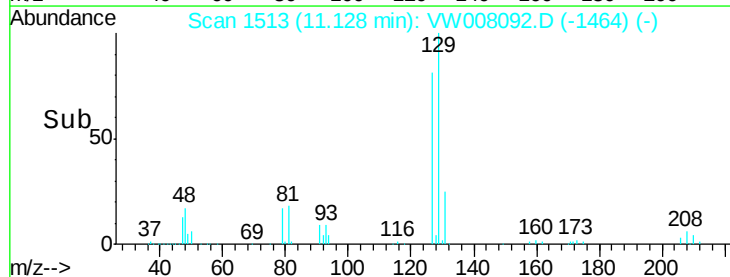
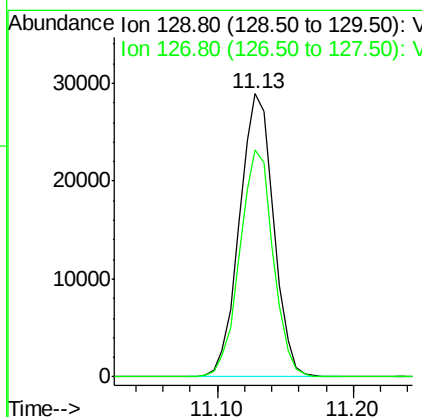
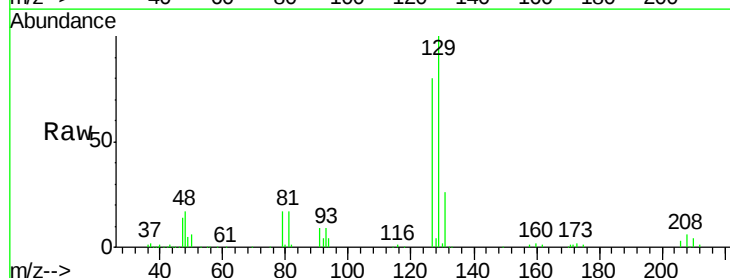
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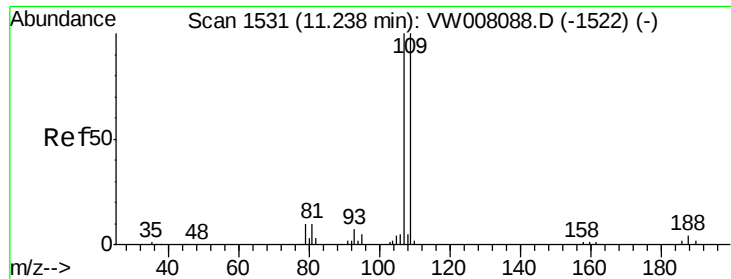
MMDadoda
1/9/2019 11:08:14 AM



#60
Dibromochloromethane
Concen: 54.611 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion: 129 Resp: 50681
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.785 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampleId :

ICVW010819

Tot Ion:107 Resp: 42329

Ion Ratio Lower Upper

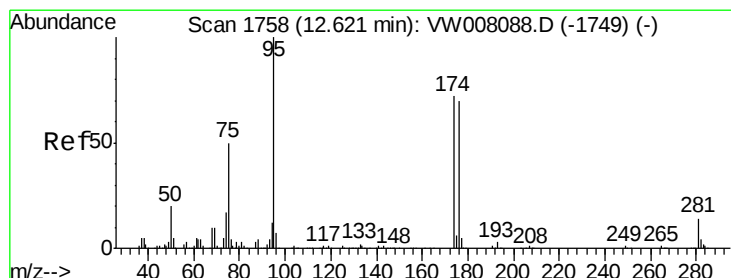
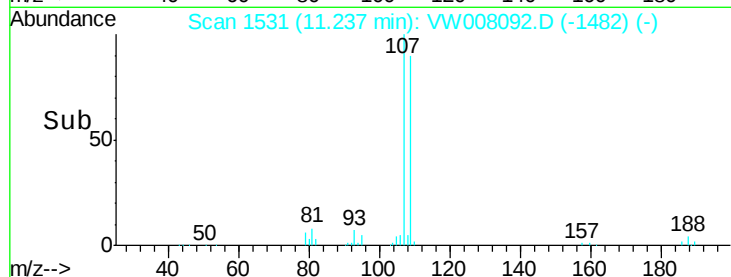
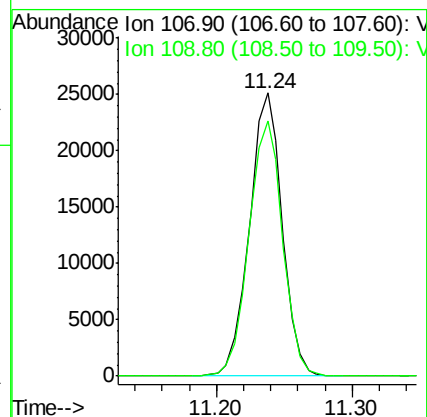
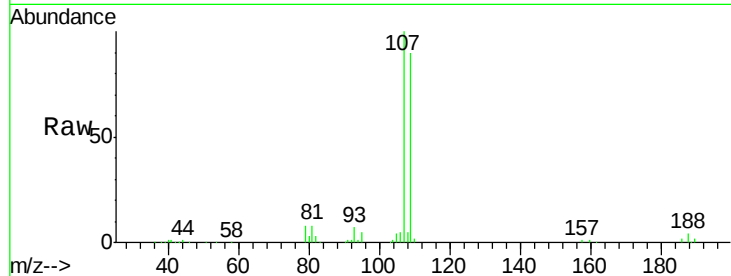
107 100

109 92.8 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 46.007 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

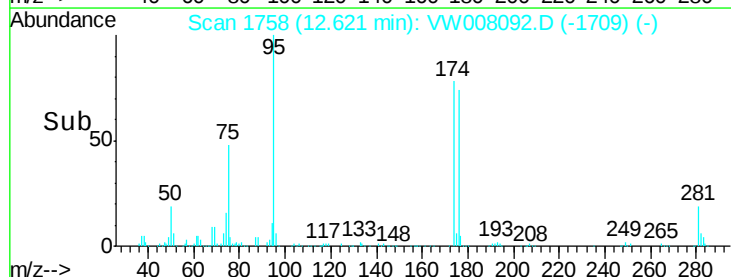
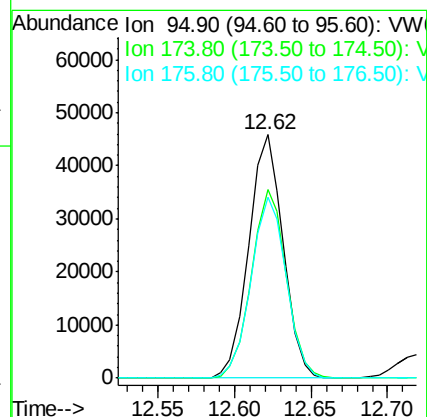
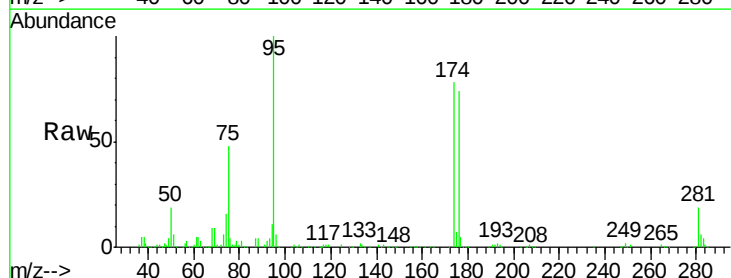
Tgt Ion: 95 Resp: 71420

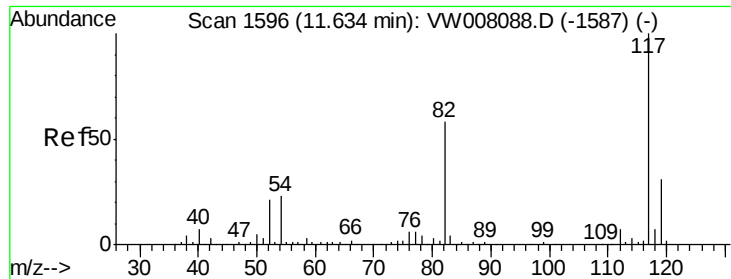
Ion Ratio Lower Upper

95 100

174 78.6 0.0 143.0

176 76.2 0.0 140.2





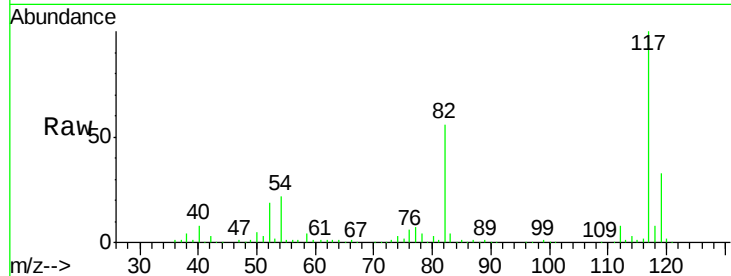
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampled :
ICVW010819

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.4	69.6
119	33.4	24.7	37.1

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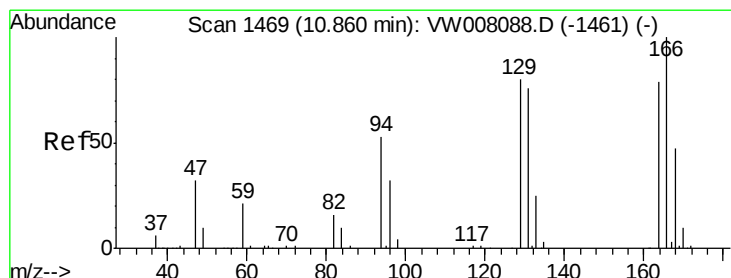
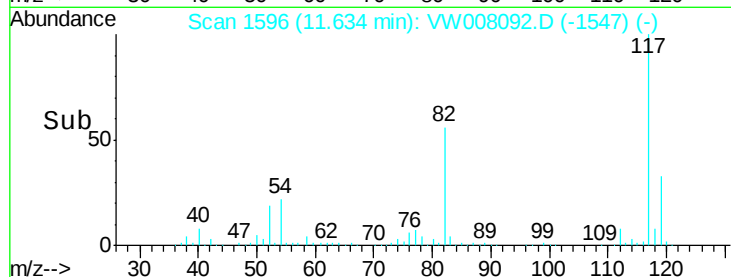
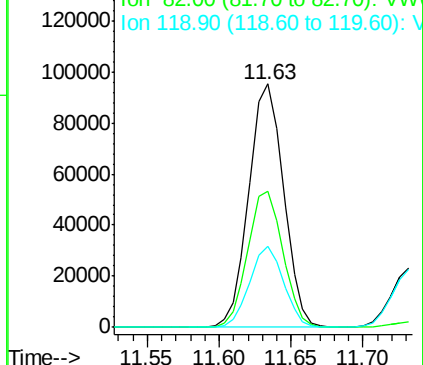


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.246 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	100.7	151.1
129	88.1	81.0	121.4
131	85.9	76.1	114.1

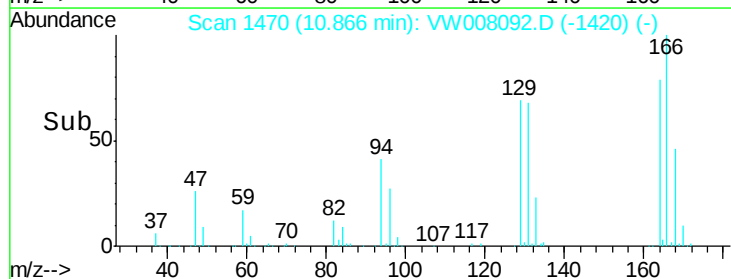
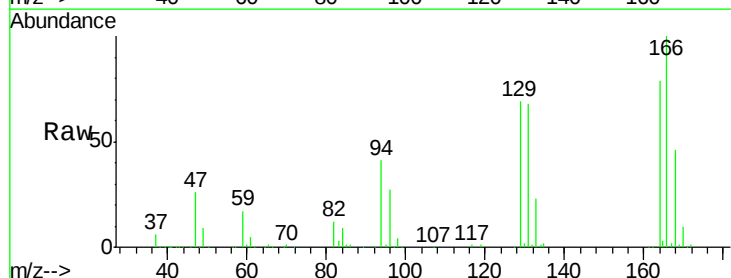
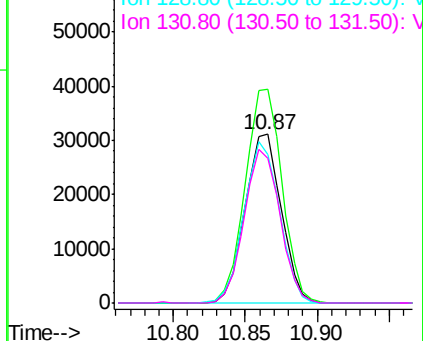
Abundance

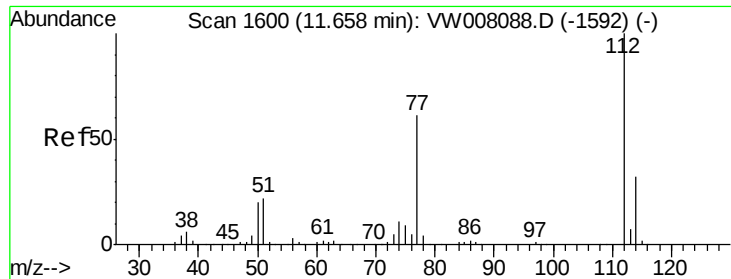
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.769 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampled :

ICVW010819

Tot Ion:112 Resp: 168167

Ion Ratio Lower Upper

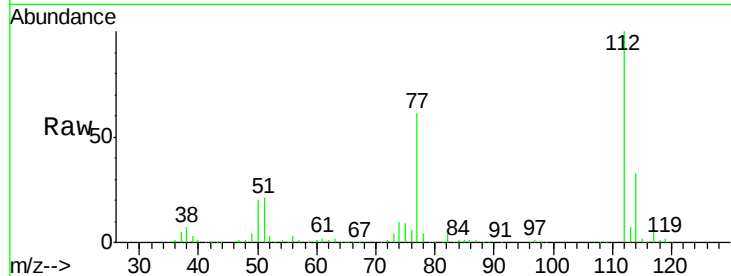
112 100

114 32.8 25.6 38.4

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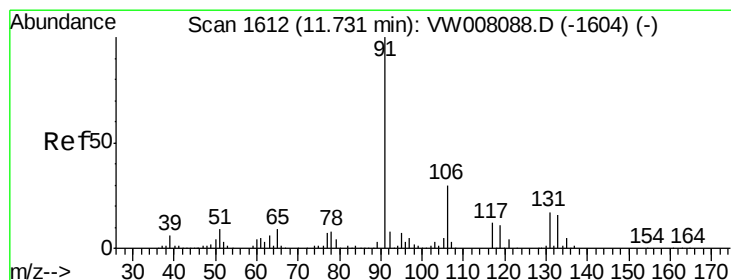
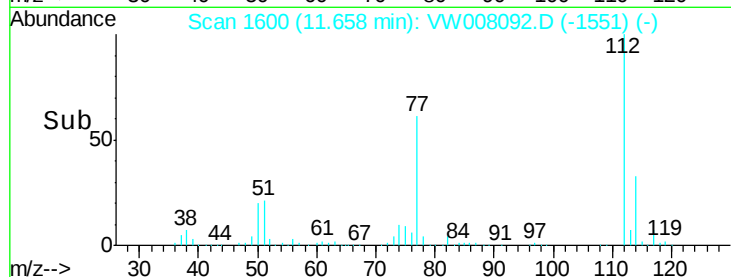
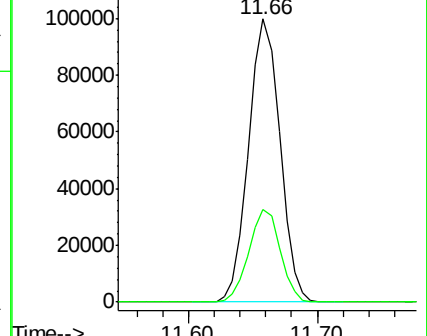
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.570 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

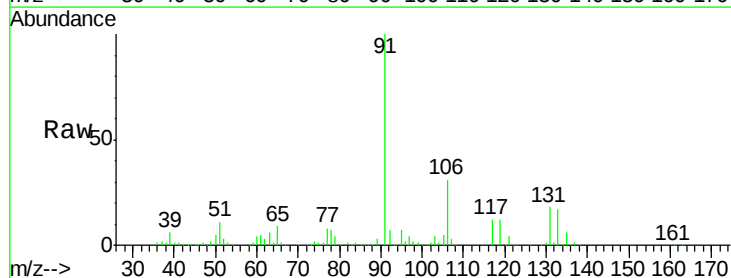
Tgt Ion:131 Resp: 56676

Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.7

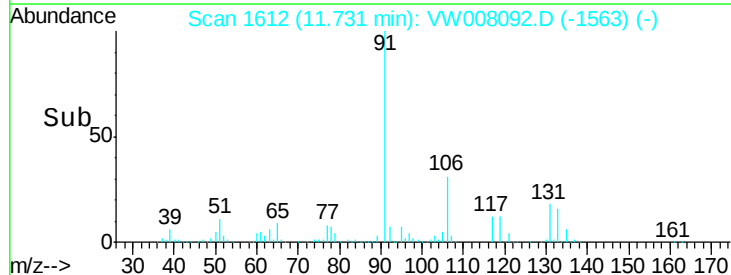
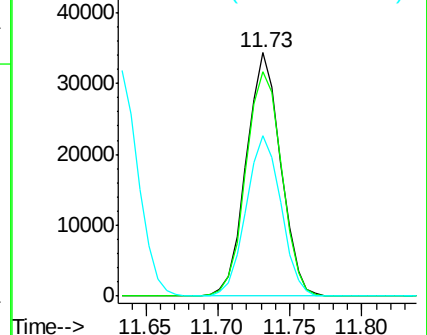
119 66.5 32.5 97.4

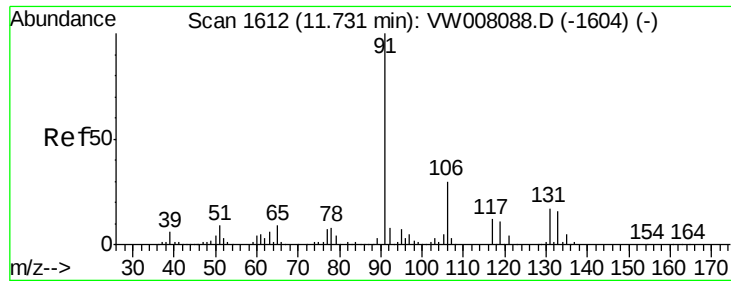


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





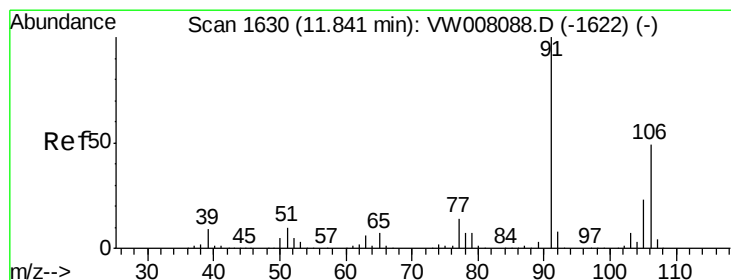
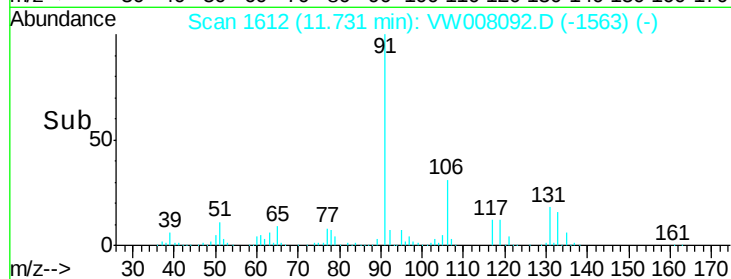
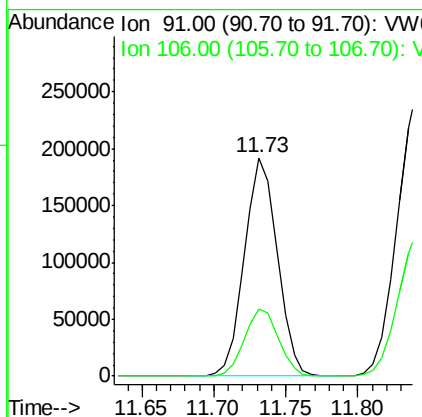
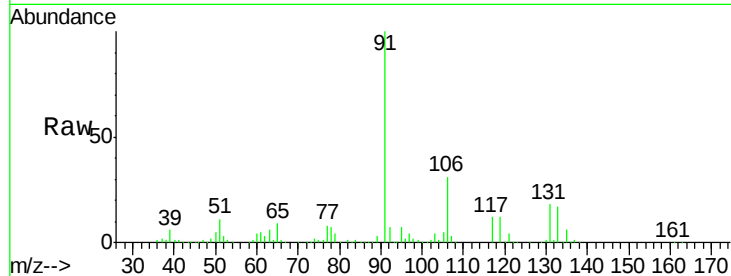
#67
Ethyl Benzene
Concen: 49.008 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampled :
ICVW010819

Tot Ion: 91 Resp: 302993
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4

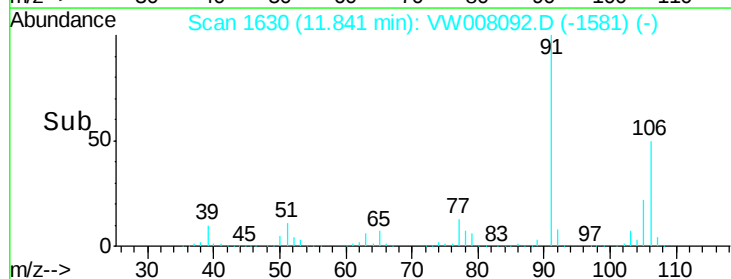
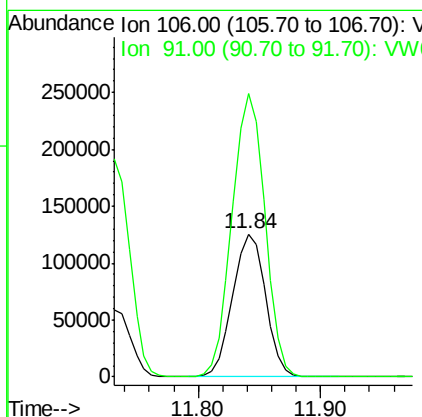
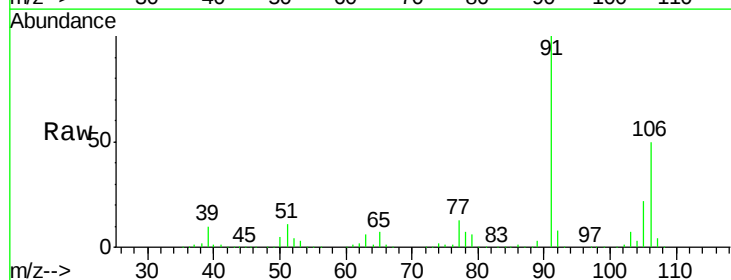
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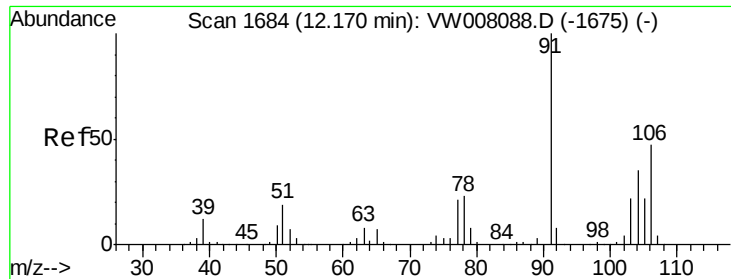
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#68
m/p-Xylenes
Concen: 98.997 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion: 106 Resp: 233613
Ion Ratio Lower Upper
106 100
91 198.6 162.4 243.6





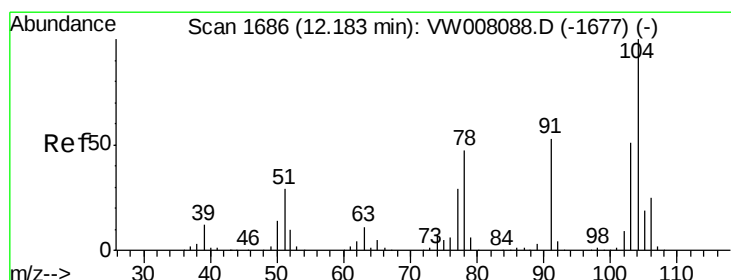
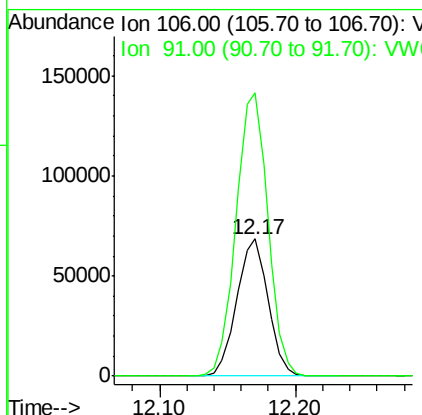
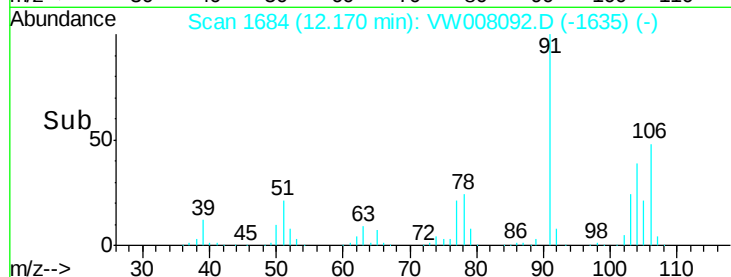
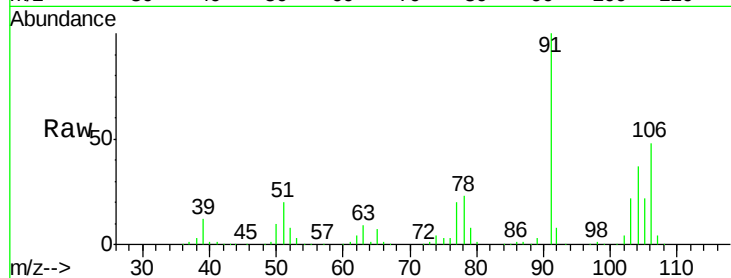
#69
o-Xylene
Concen: 50.325 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion:106 Resp: 109973
Ion Ratio Lower Upper
106 100
91 209.6 107.8 323.6

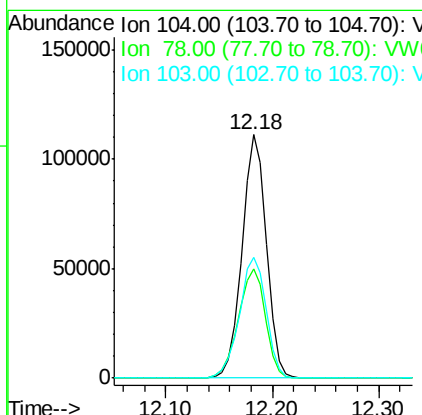
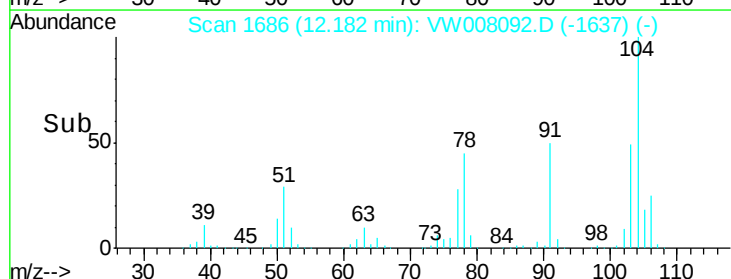
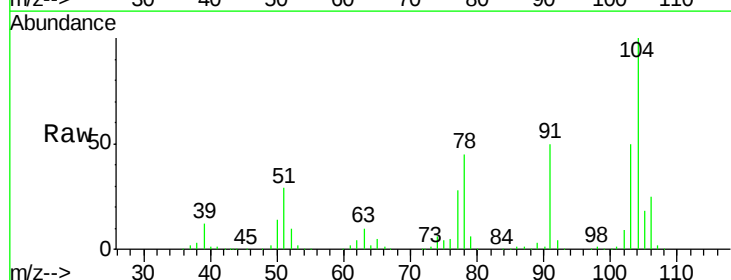
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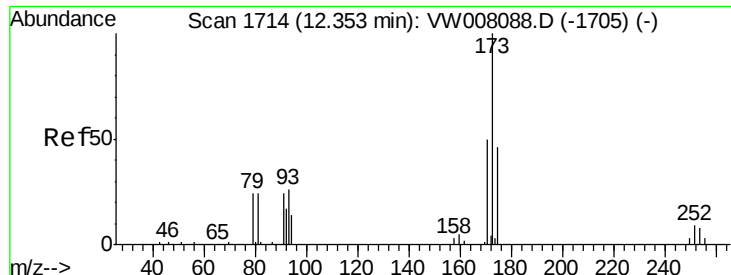
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#70
Styrene
Concen: 52.046 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion:104 Resp: 178146
Ion Ratio Lower Upper
104 100
78 50.1 41.8 62.8
103 54.8 43.8 65.8





#71

Bromoform

Concen: 57.959 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

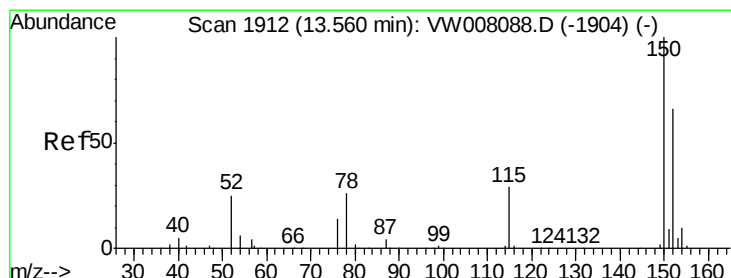
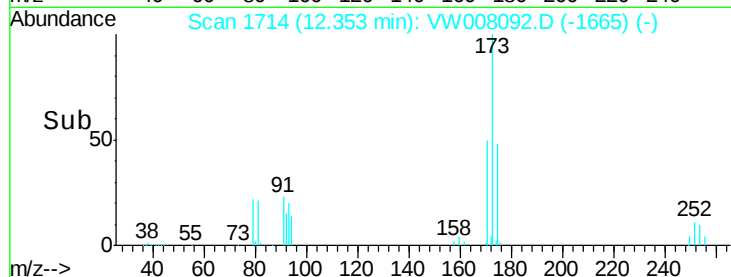
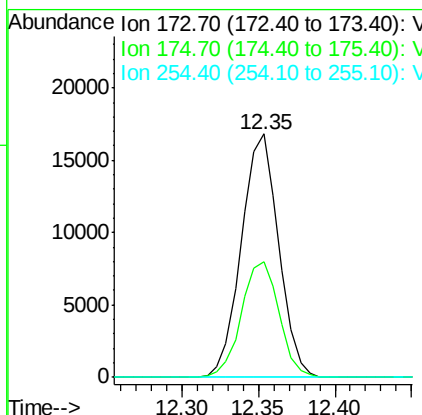
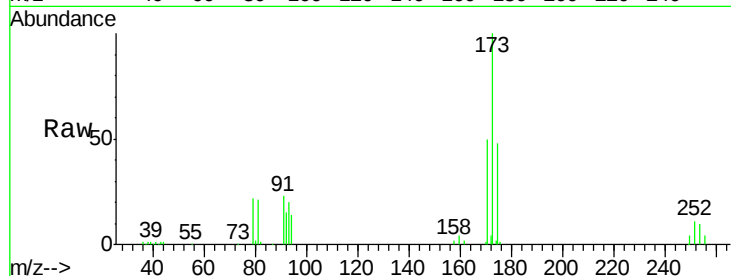
ClientSampleId :

ICVW010819

Tot Ion:	173	Resp:	28508
Ion Ratio	Lower	Upper	
173	100		
175	47.9	23.3	69.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

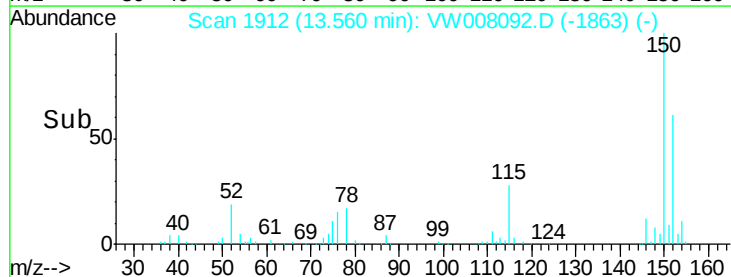
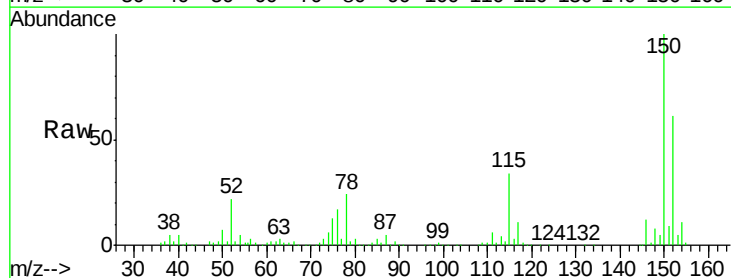
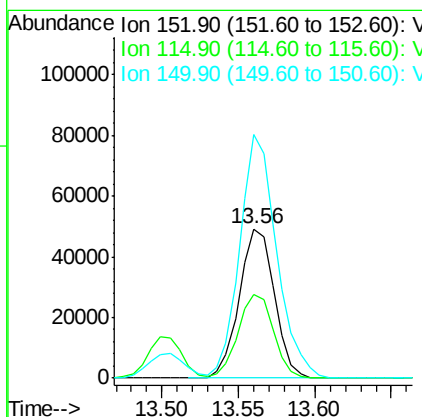
RT: 13.56 min Scan# 1912

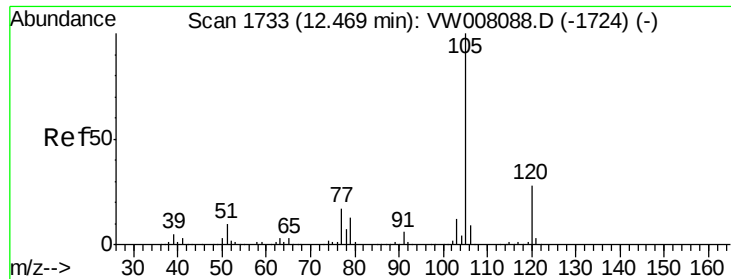
Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion:	152	Resp:	78514
Ion Ratio	Lower	Upper	
152	100		
115	56.5	30.8	92.4
150	171.1	0.0	350.2





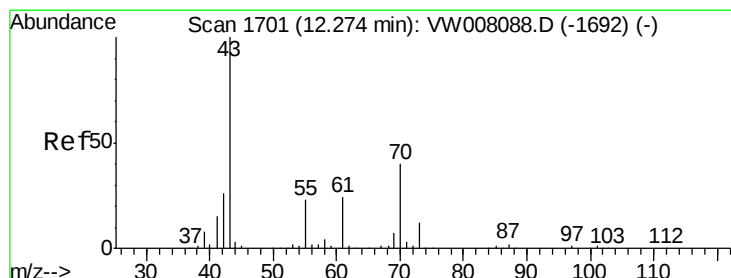
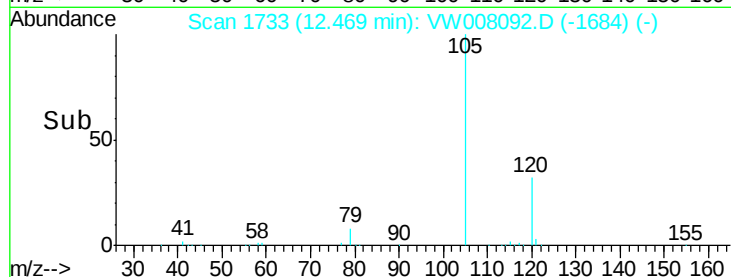
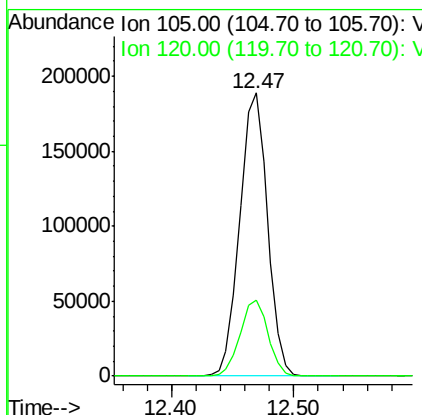
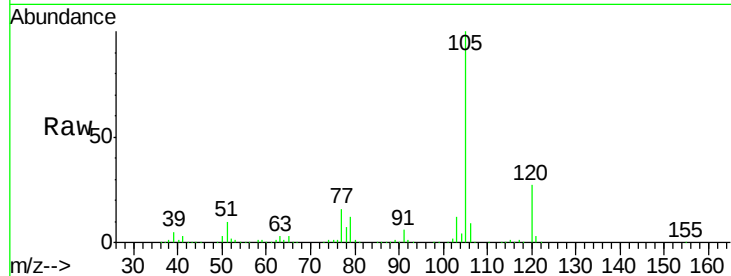
#73
Isopropylbenzene
Concen: 48.121 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion:105 Resp: 296622
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.8

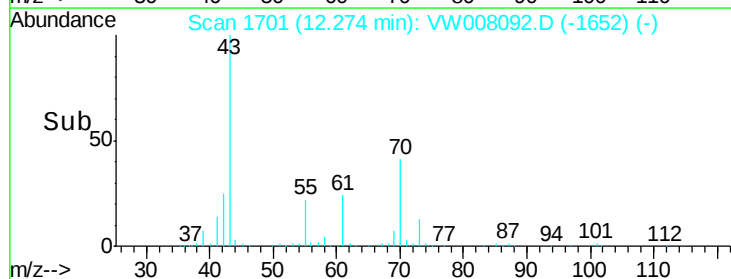
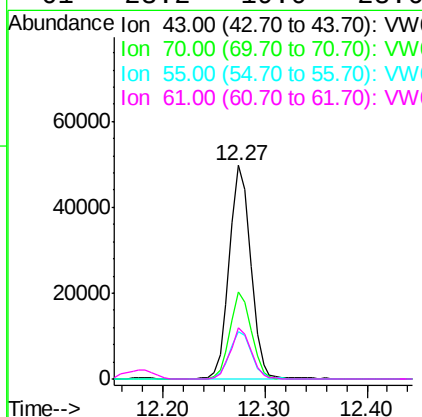
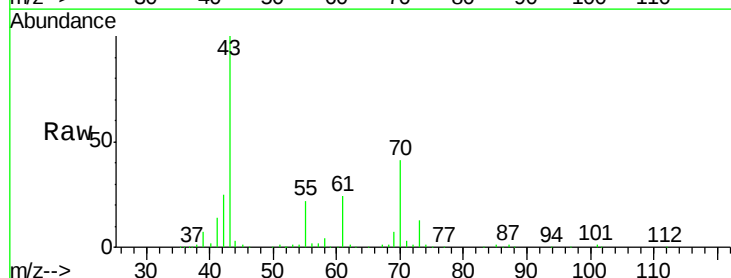
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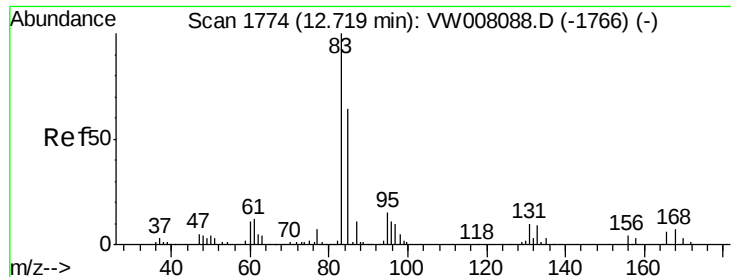
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#74
N-ethyl acetate
Concen: 53.139 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion: 43 Resp: 72538
Ion Ratio Lower Upper
43 100
70 40.6 32.4 48.6
55 22.7 18.7 28.1
61 23.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.302 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

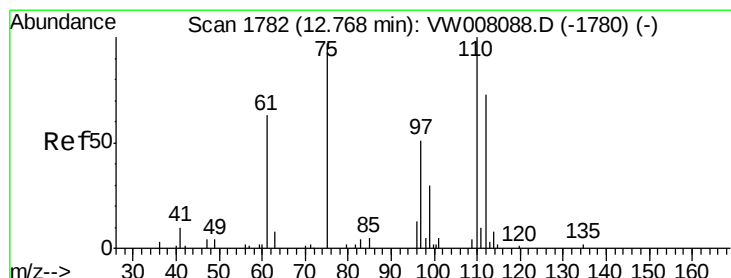
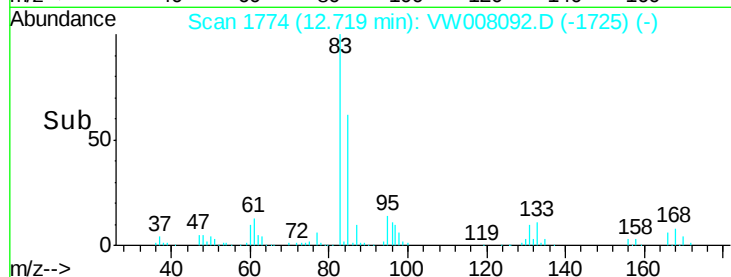
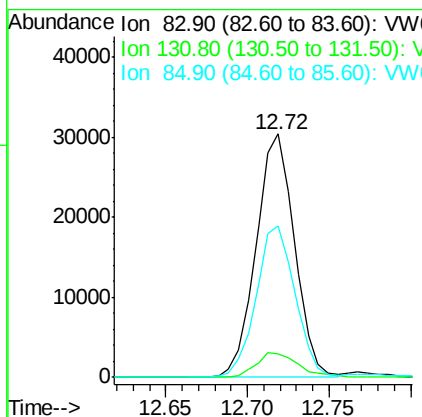
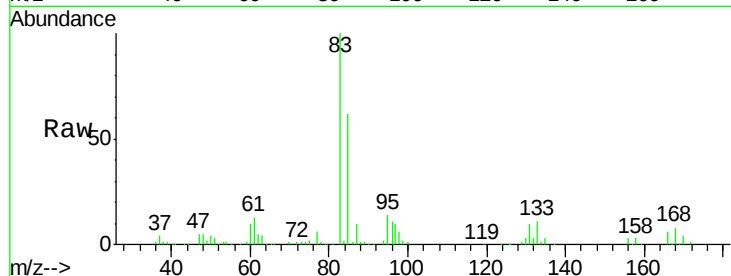
ClientSampleId :

ICVW010819

Tot Ion:	83	Resp:	49630
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.3	16.1
85	63.2	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 50.957 ug/l m

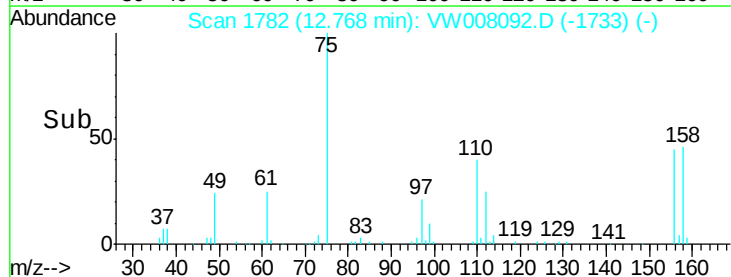
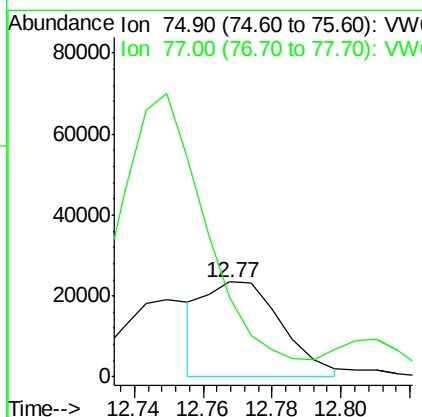
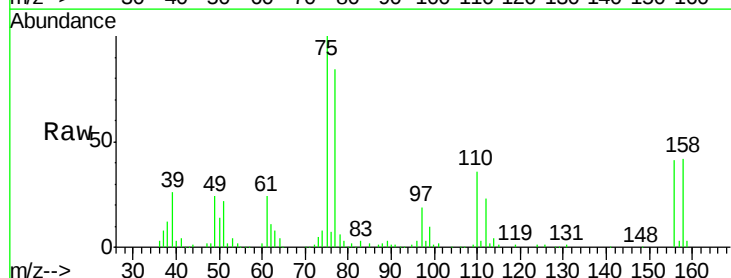
RT: 12.77 min Scan# 1782

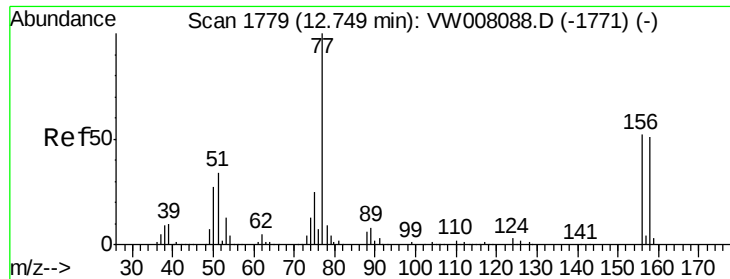
Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion:	75	Resp:	36472
Ion	Ratio	Lower	Upper
75	100		
77	349.7	179.4	538.2





#77

Bromobenzene

Concen: 50.481 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

ClientSampleId :

ICVW010819

Tot Ion:156 Resp: 65749

Ion Ratio Lower Upper

156 100

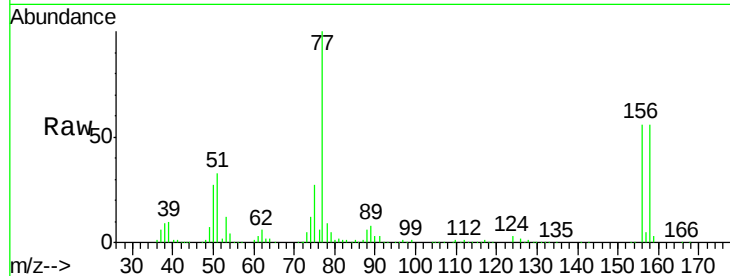
77 194.0 104.2 312.5

158 98.1 47.9 143.6

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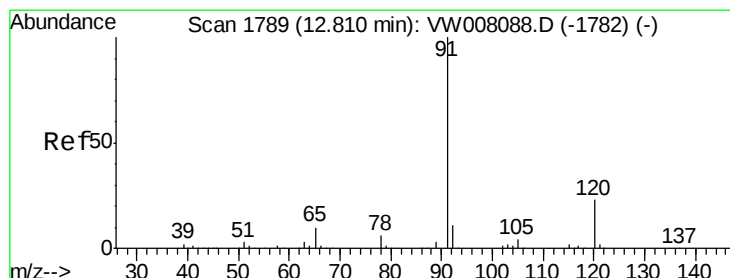
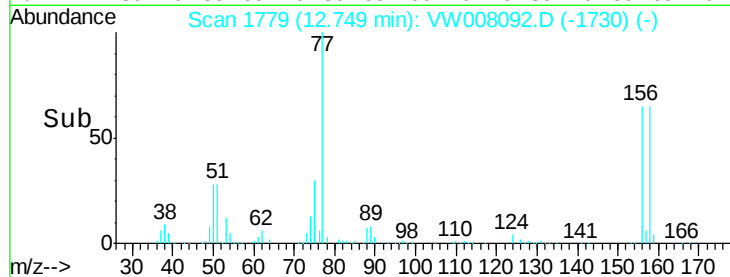
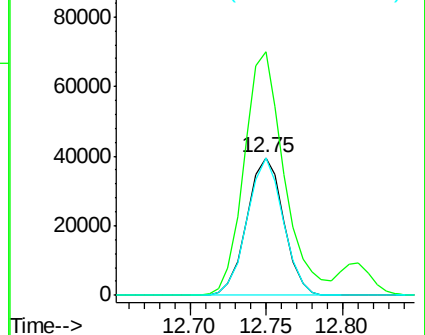
1/9/2019 11:08:14 AM



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: 47.575 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008092.D

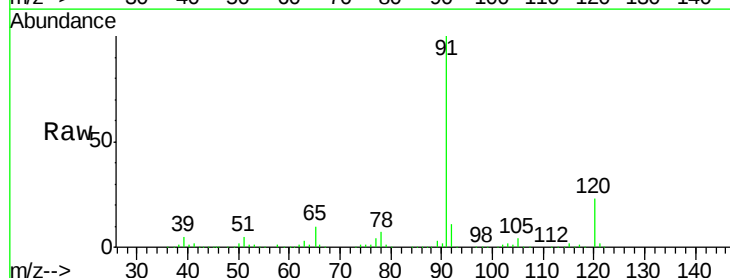
Acq: 08 Jan 2019 18:21

Tgt Ion: 91 Resp: 359321

Ion Ratio Lower Upper

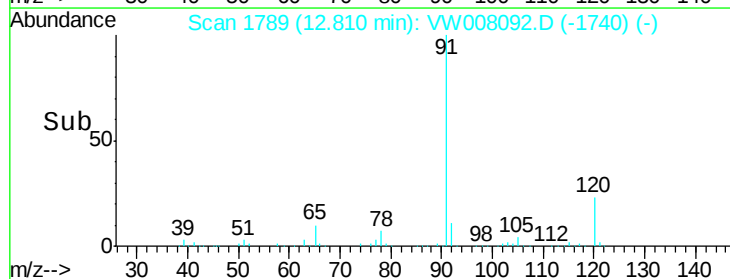
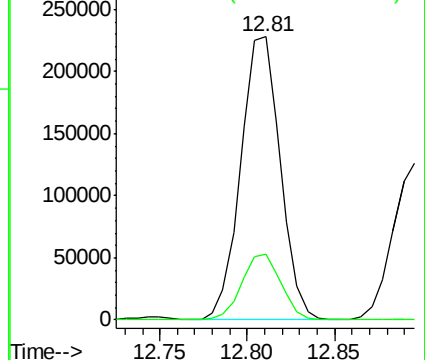
91 100

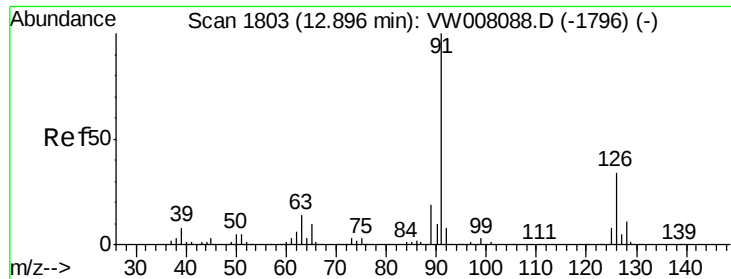
120 22.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





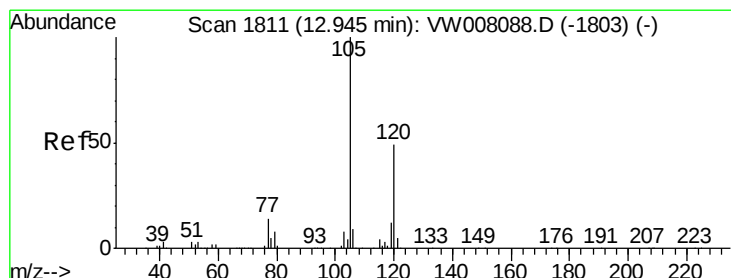
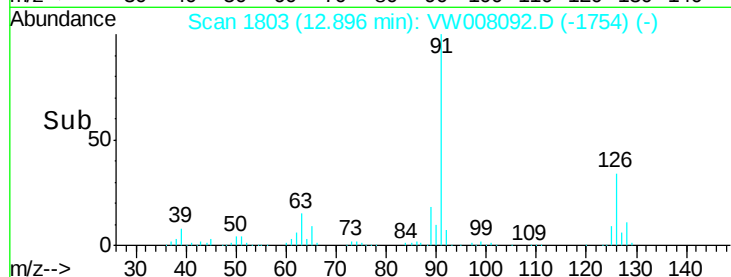
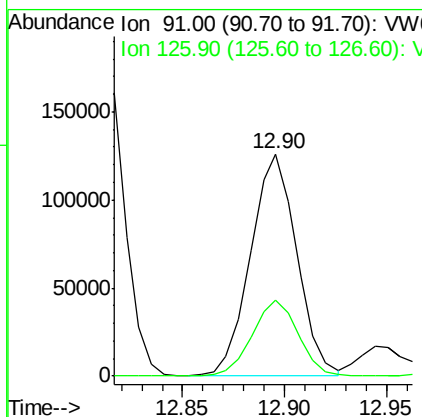
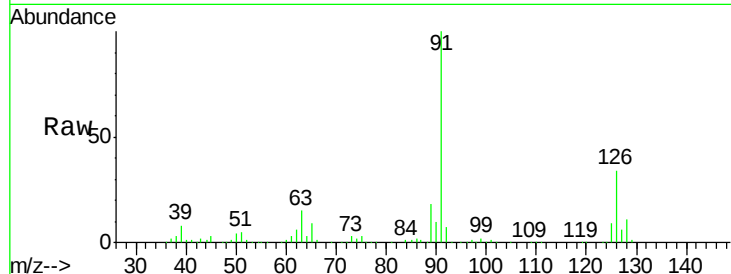
#79
2-Chlorotoluene
Concen: 47.191 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion: 91 Resp: 198850
Ion Ratio Lower Upper
91 100
126 34.0 16.8 50.3

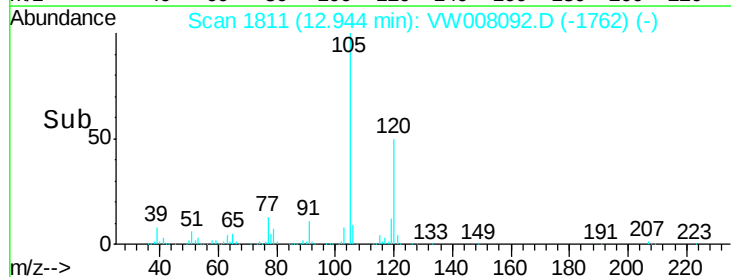
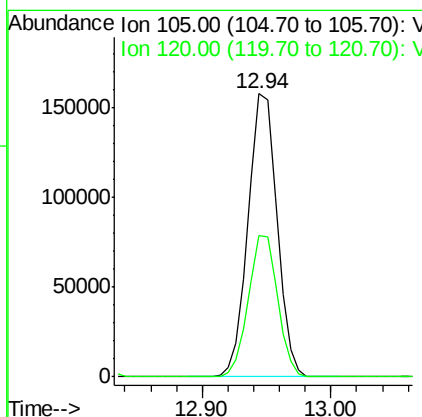
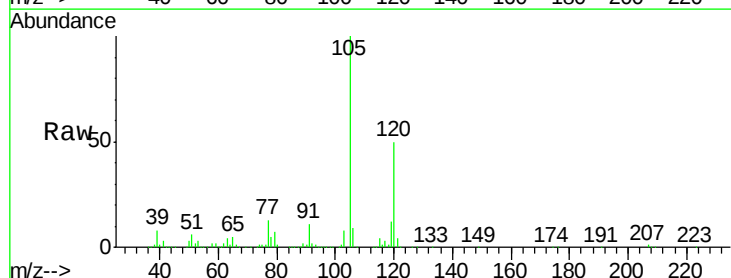
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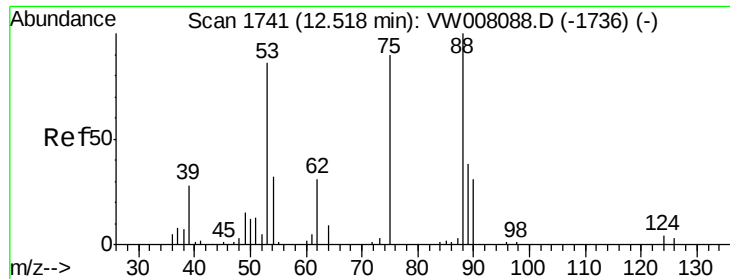
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#80
1,3,5-Trimethylbenzene
Concen: 48.331 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion:105 Resp: 244814
Ion Ratio Lower Upper
105 100
120 50.3 24.7 74.1





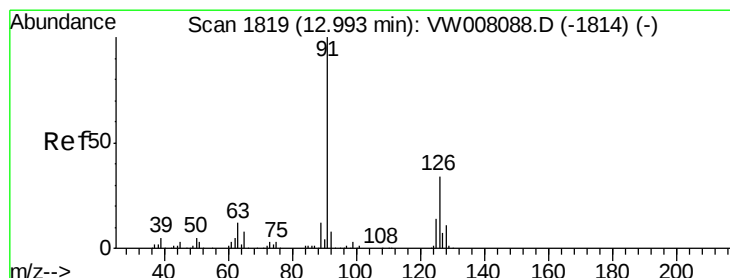
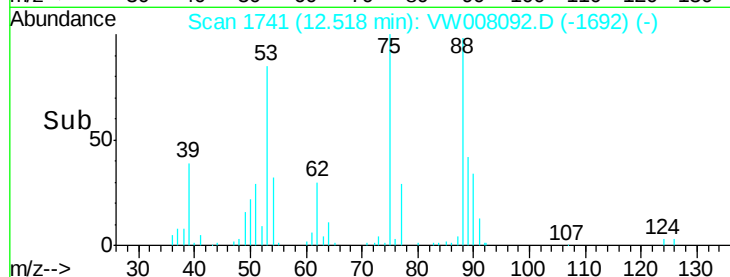
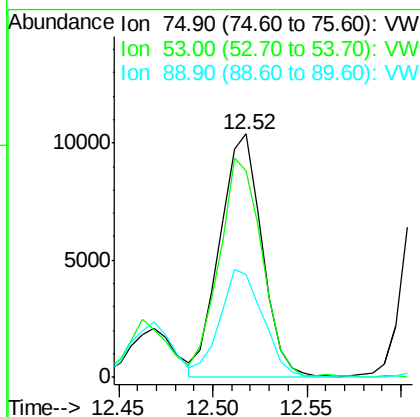
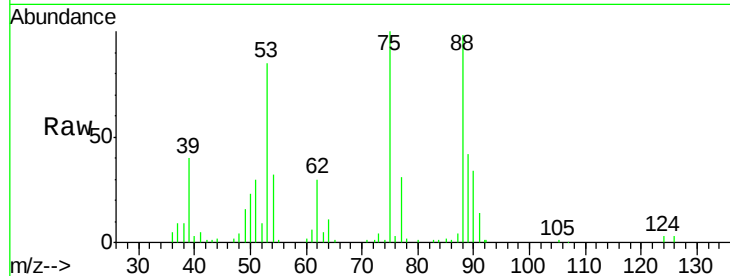
#81
trans-1,4-Dichloro-2-butene
Concen: 52.649 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampled :
ICVW010819

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	78.8	118.2
89	45.1	35.4	53.2

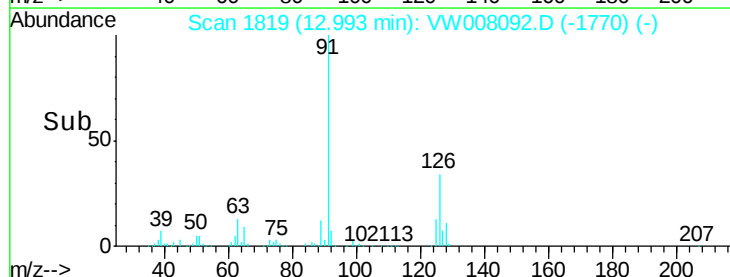
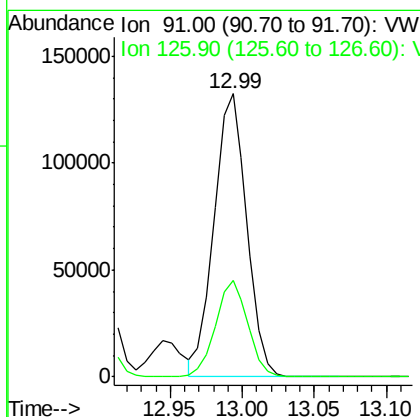
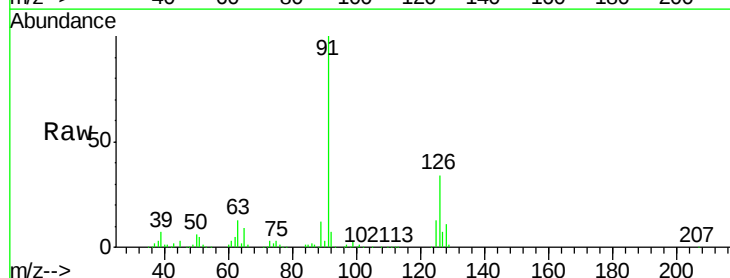
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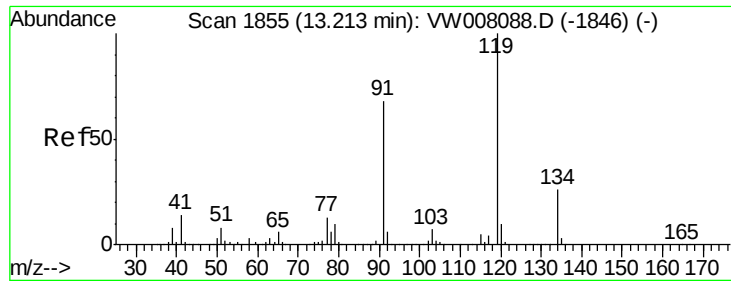
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#82
4-Chlorotoluene
Concen: 47.329 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.5	49.5





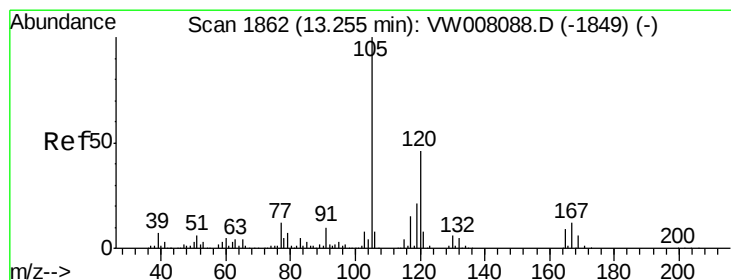
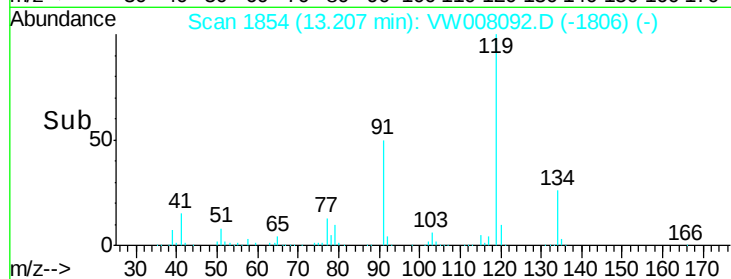
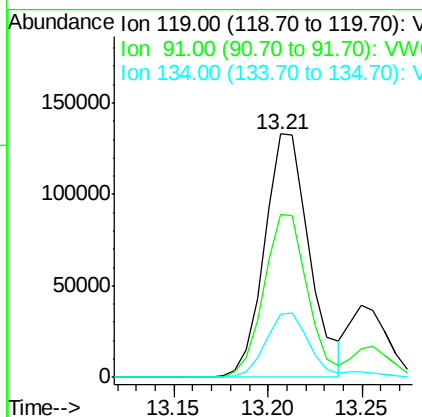
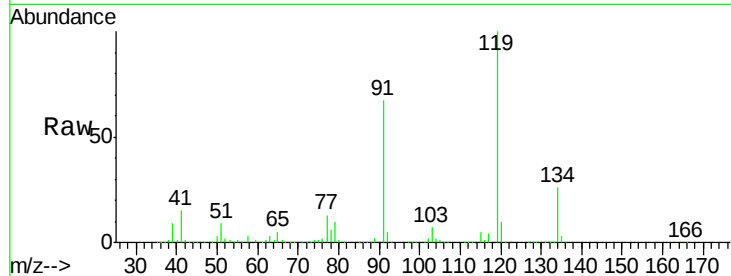
#83
tert-Butylbenzene
Concen: 49.063 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion	Ratio	Resp	Lower	Upper
119	100	219865		
91	64.9	33.9	101.6	
134	27.1	13.6	40.8	

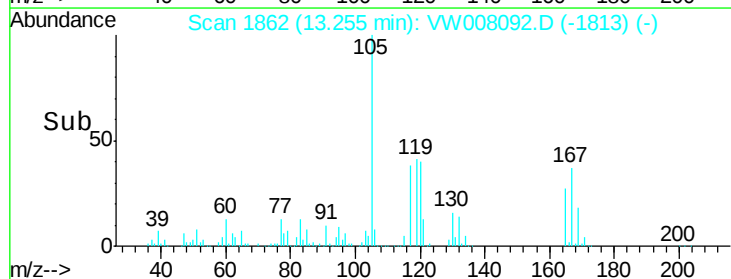
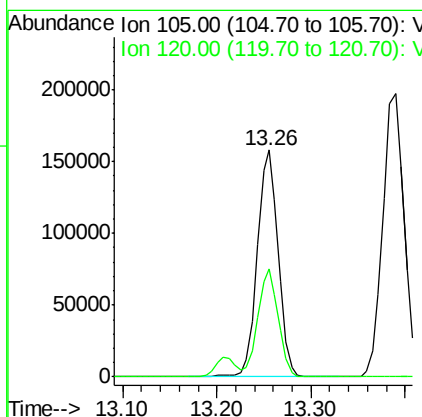
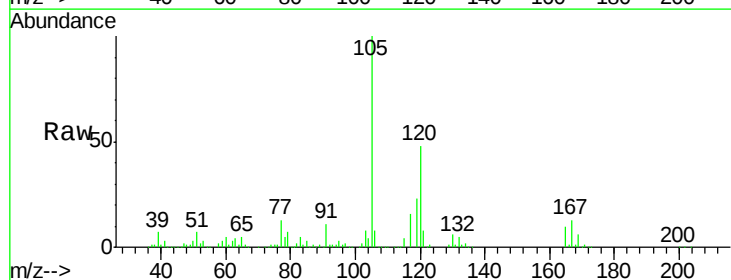
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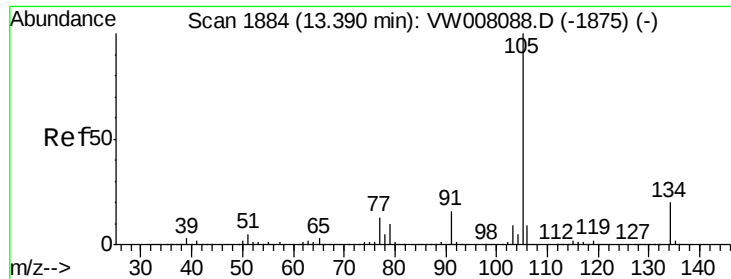
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#84
1,2,4-Trimethylbenzene
Concen: 47.344 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	247339		
120	46.7	22.7	68.1	





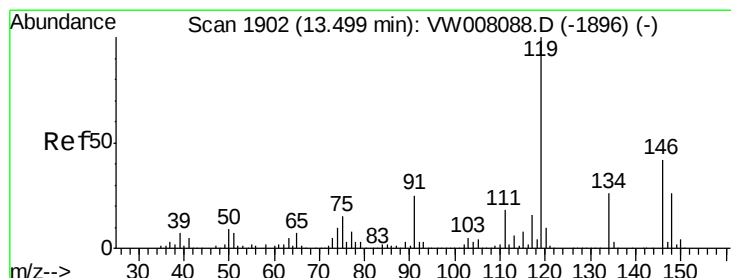
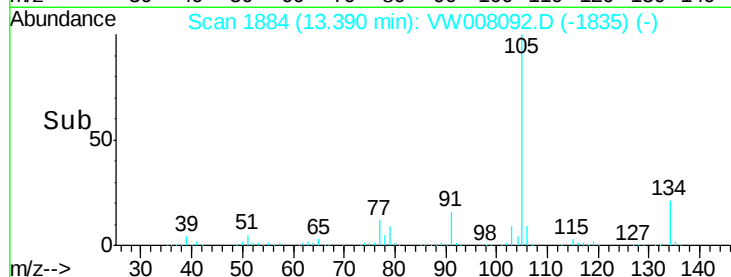
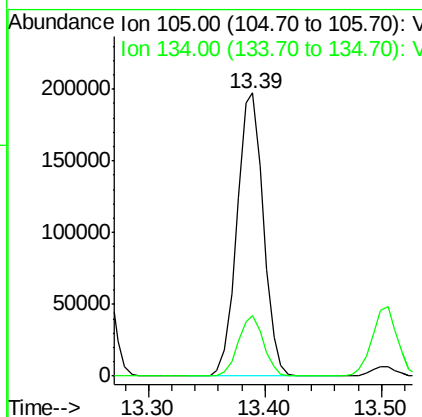
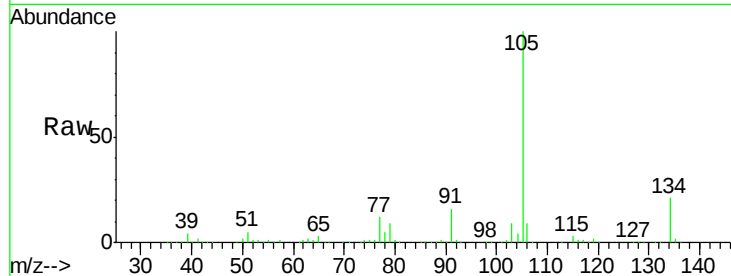
#85
 sec-Butylbenzene
 Concen: 47.362 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008092.D
 Acq: 08 Jan 2019 18:21

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW010819

Tot Ion:105 Resp: 310906
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.1 30.1

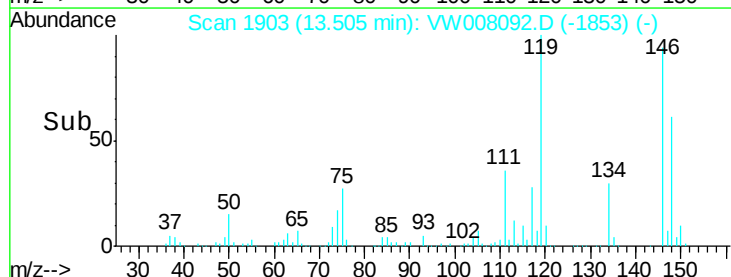
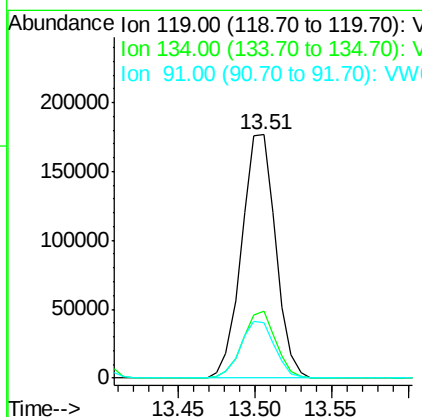
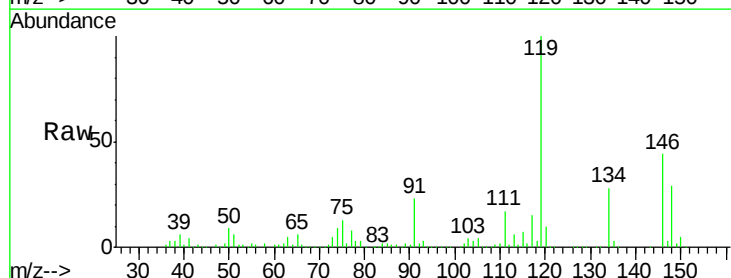
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#86
 p-Isopropyltoluene
 Concen: 47.884 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008092.D
 Acq: 08 Jan 2019 18:21

Tgt Ion:119 Resp: 271440
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.8
 91 23.5 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 49.494 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

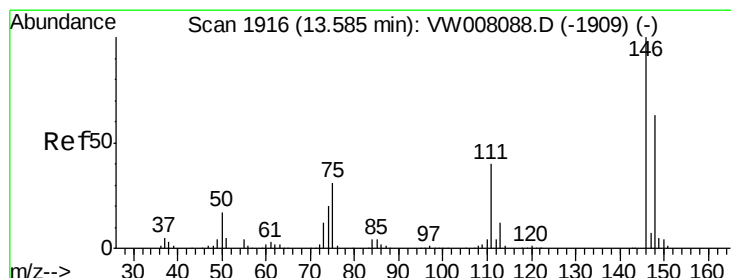
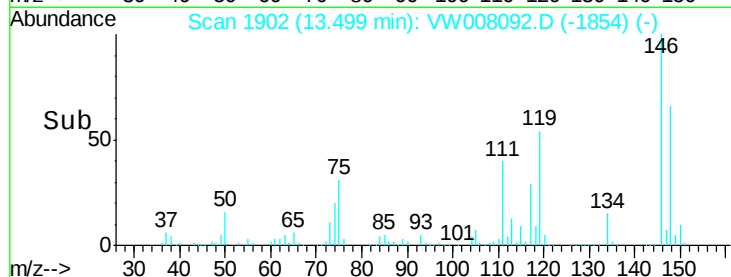
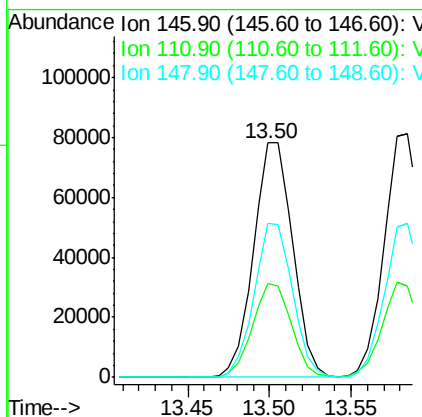
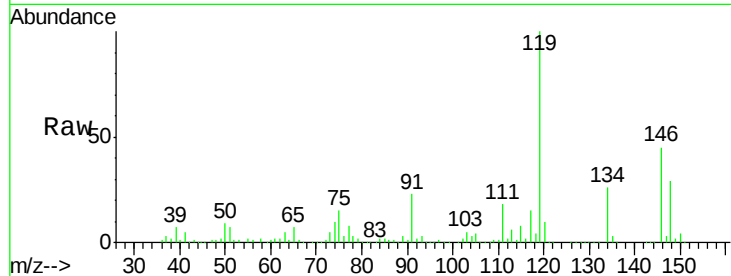
ClientSampleId :

ICVW010819

Tot Ion:	146	Resp:	130767
Ion Ratio	Lower	Upper	
146	100		
111	39.6	21.1	63.1
148	64.2	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 49.764 ug/l

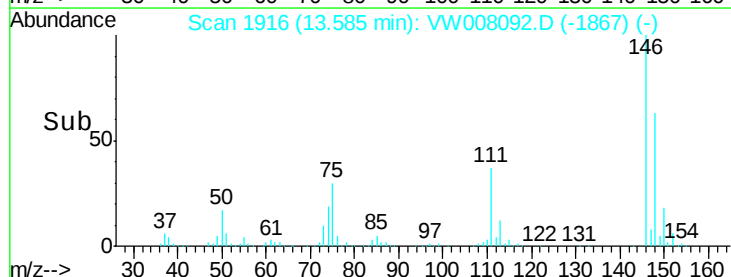
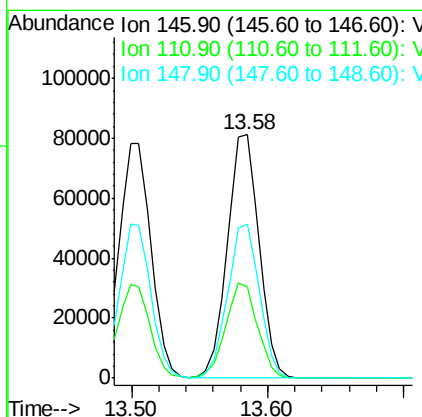
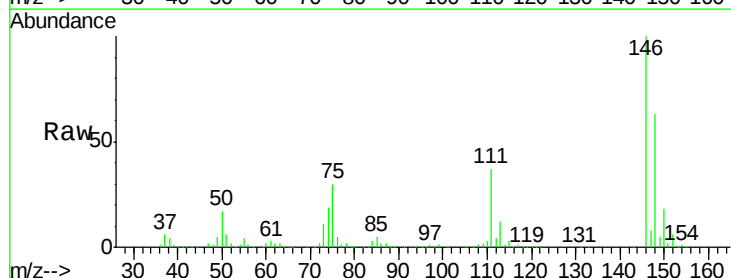
RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Tgt Ion:	146	Resp:	131915
Ion Ratio	Lower	Upper	
146	100		
111	38.9	20.5	61.5
148	63.3	31.6	94.8





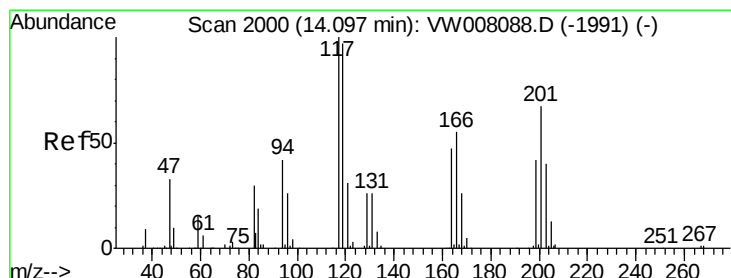
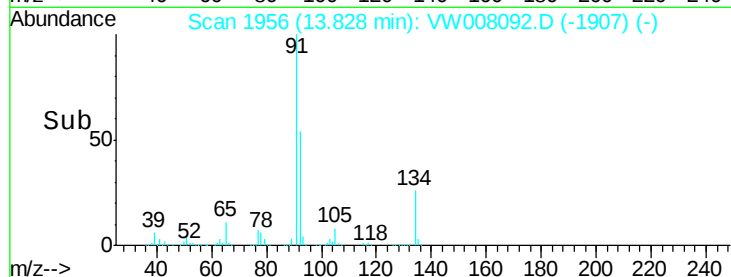
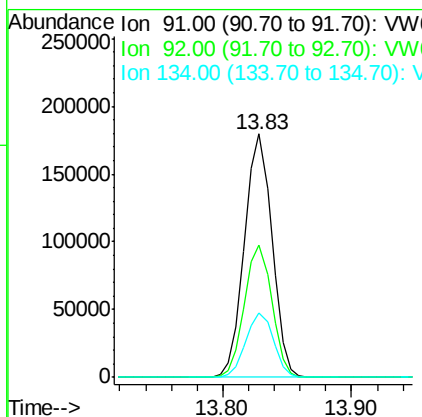
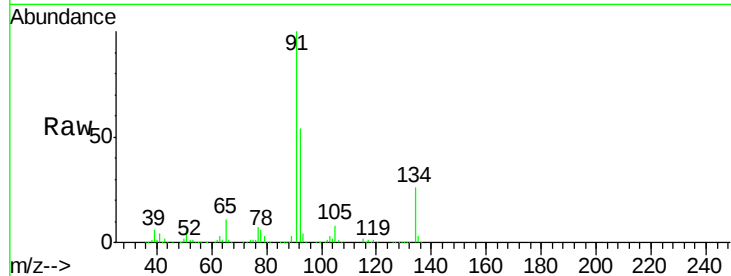
#89
n-Butylbenzene
Concen: 47.818 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion	Ratio	Resp	Lower	Upper
91	100	265481		
92	54.3		27.4	82.2
134	26.5		12.6	37.8

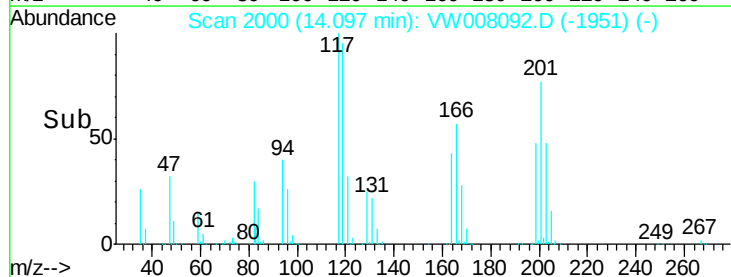
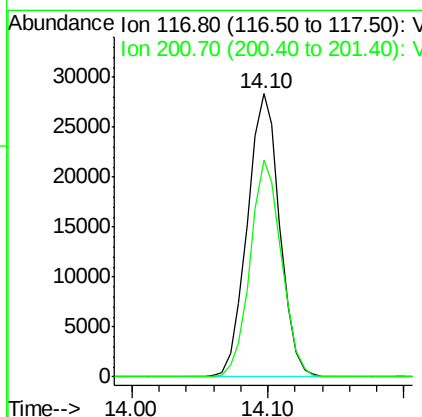
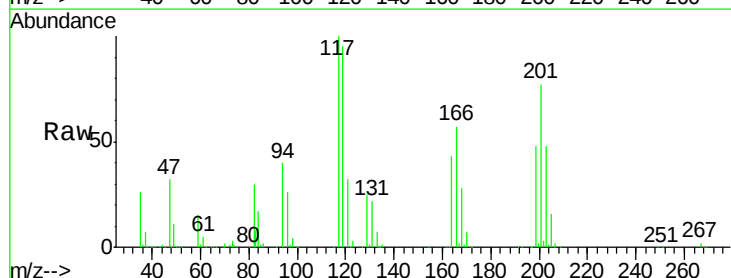
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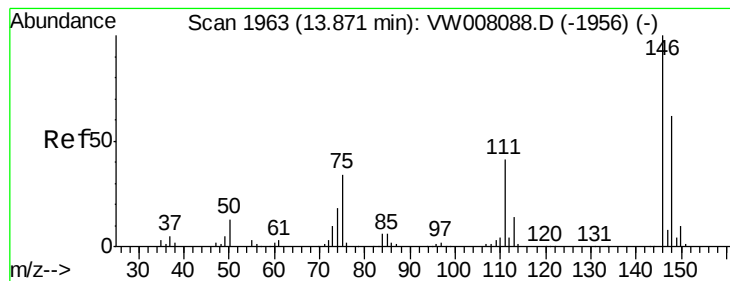
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#90
Hexachloroethane
Concen: 49.387 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47287		
201	74.5		33.0	98.9





#91

1,2-Dichlorobenzene

Concen: 49.599 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008092.D

Acq: 08 Jan 2019 18:21

Instrument :

MSVOA_W

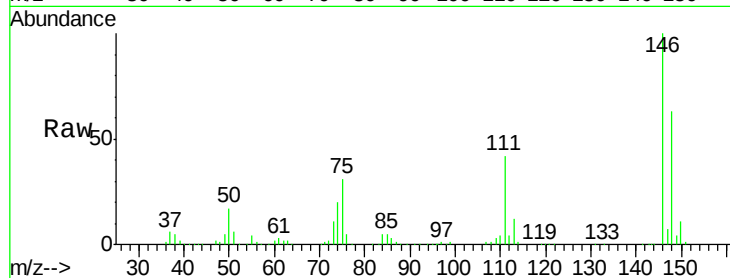
ClientSampleId :

ICVW010819

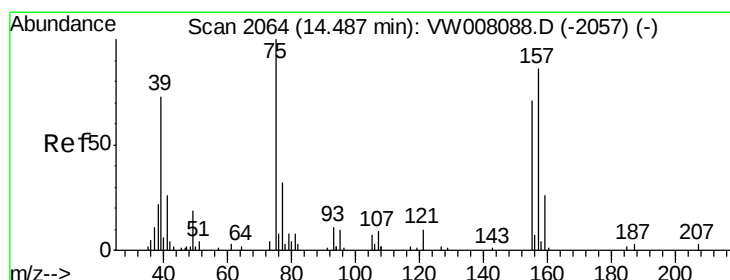
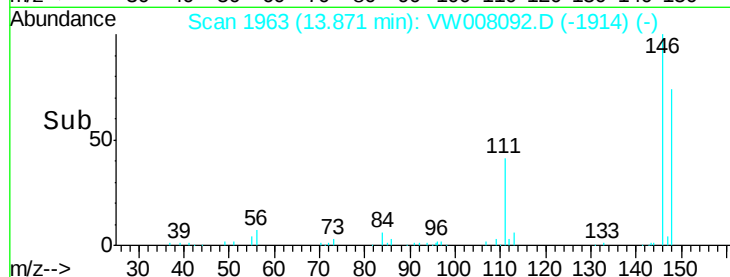
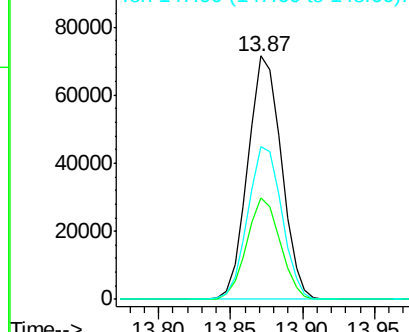
Tot Ion:	146	Resp:	115167
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.3	63.7
148	63.7	31.5	94.5

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.186 ug/l

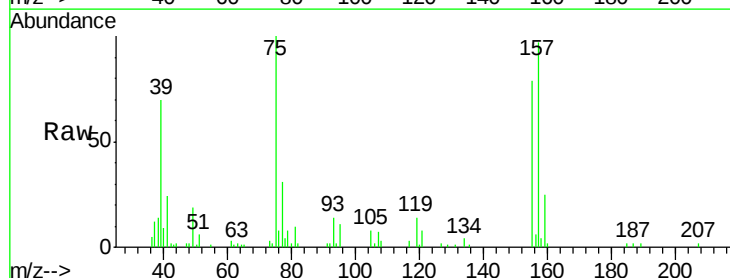
RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

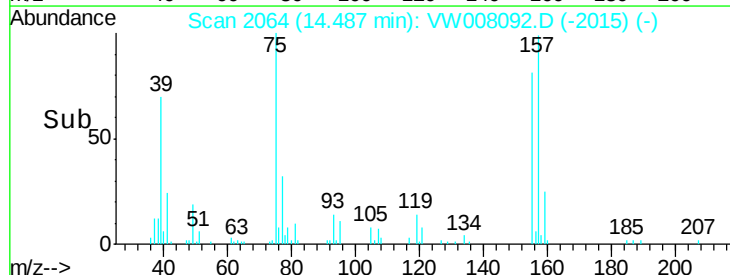
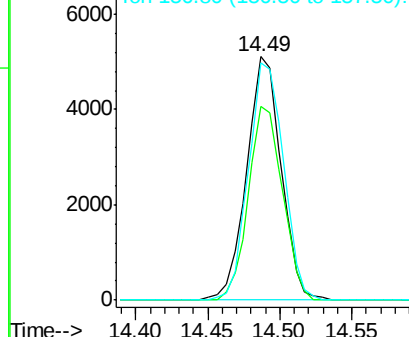
Lab File: VW008092.D

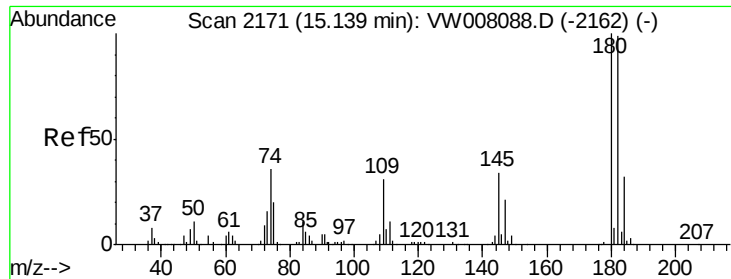
Acq: 08 Jan 2019 18:21

Tgt Ion:	75	Resp:	8445
Ion Ratio	Lower	Upper	
75	100		
155	78.4	38.6	115.7
157	98.6	47.5	142.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





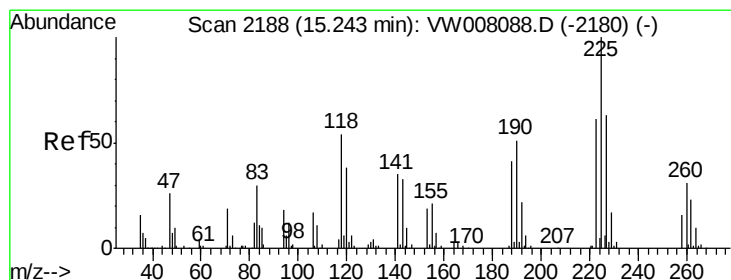
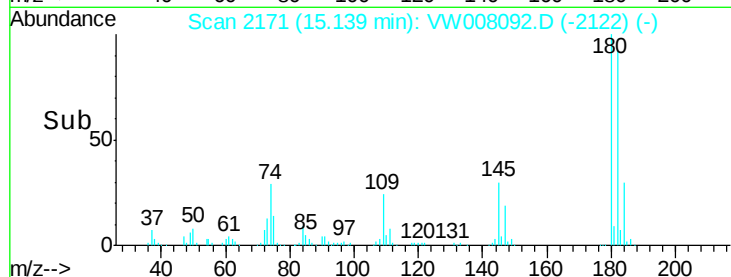
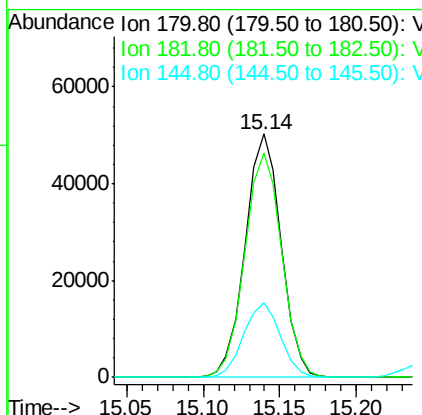
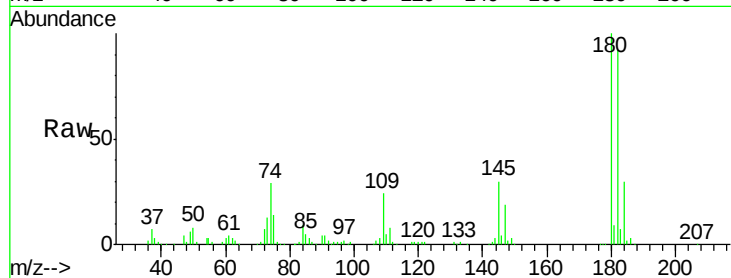
#93
1,2,4-Trichlorobenzene
Concen: 53.291 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.6	145.9
145	31.2	16.6	49.7

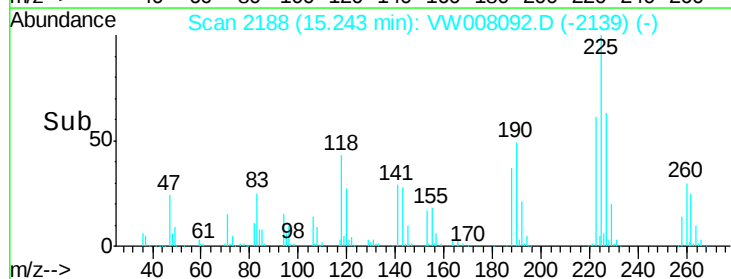
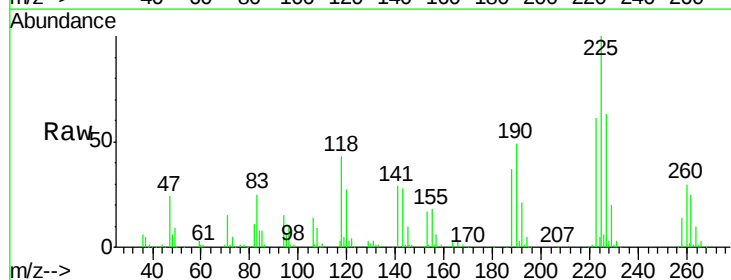
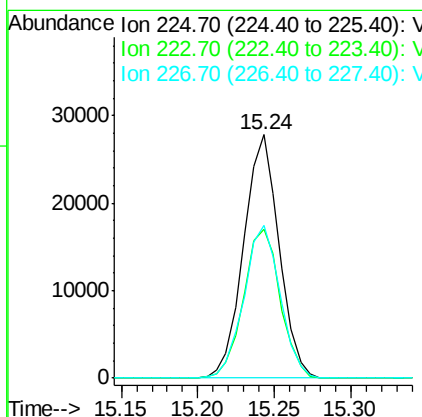
Manual Integrations
APPROVED

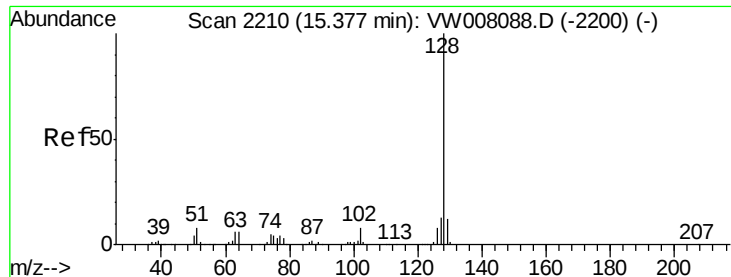
MMDadoda
1/9/2019 11:08:14 AM



#94
Hexachlorobutadiene
Concen: 54.255 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.3
227	64.1	32.0	96.2





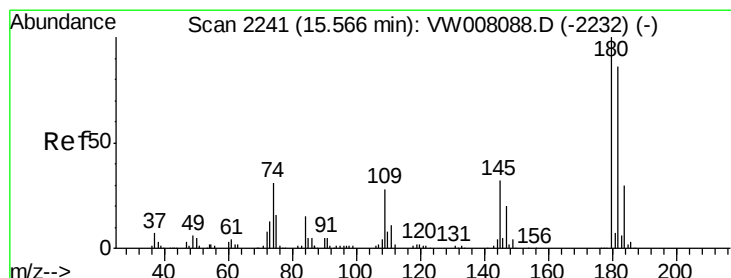
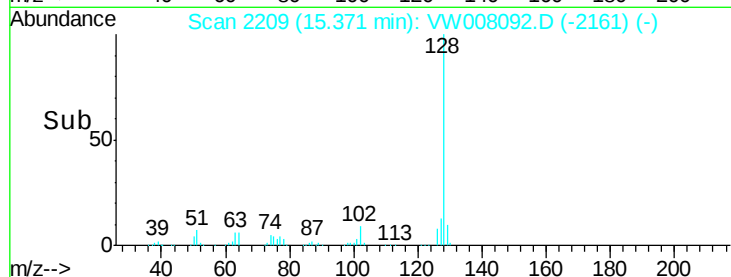
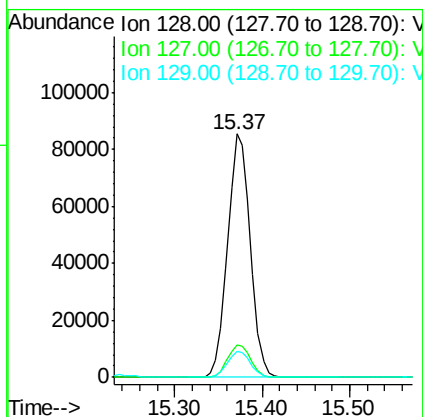
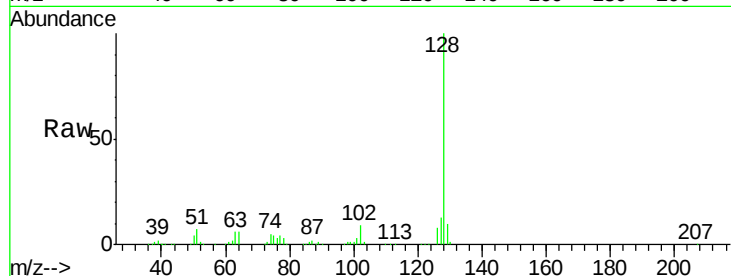
#95
Naphthalene
Concen: 53.319 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Instrument :
MSVOA_W
ClientSampleId :
ICVW010819

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	10.9	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/9/2019 11:08:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.766 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008092.D
Acq: 08 Jan 2019 18:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.5	139.3
145	33.2	17.4	52.2

