

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007888.D
 Acq On : 24 Dec 2018 14:59
 Operator : SY/AP
 Sample : J6426-02MS
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Manual Integrations
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 12/26/2018 4:38:55 PM

Quant Time: Dec 25 03:18:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	43543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	78674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	34490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	8534	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	34049	71.34	ug/l	0.00
Spiked Amount			Recovery	=	142.68%	
35) Dibromofluoromethane	7.88	113	28129	58.61	ug/l	0.00
Spiked Amount			Recovery	=	117.22%	
50) Toluene-d8	10.32	98	52136	28.81	ug/l	0.00
Spiked Amount			Recovery	=	57.62%	
62) 4-Bromofluorobenzene	12.62	95	12715	18.19	ug/l	0.00
Spiked Amount			Recovery	=	36.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	19739	50.993	ug/l	96
3) Chloromethane	2.21	50	25840	108.710	ug/l	95
4) Vinyl Chloride	2.37	62	30917	102.179	ug/l	99
5) Bromomethane	2.78	94	19470	92.385	ug/l	91
6) Chloroethane	2.93	64	16324	100.842	ug/l	99
7) Trichlorofluoromethane	3.26	101	16546	52.525	ug/l	97
8) Diethyl Ether	3.68	74	18253	94.601	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15747	33.942	ug/l	99
10) Methyl Iodide	4.26	142	51124	69.293	ug/l	97
11) Tert butyl alcohol	5.18	59	14489	450.048	ug/l	99
12) 1,1-Dichloroethene	4.03	96	25053	58.316	ug/l	99
13) Acrolein	3.89	56	2945	114.408	ug/l	99
14) Allyl chloride	4.66	41	48184	85.529	ug/l	90
15) Acrylonitrile	5.37	53	37992	461.597	ug/l	99
16) Acetone	4.12	43	33649	376.514	ug/l	99
17) Carbon Disulfide	4.37	76	56335	42.375	ug/l	100
18) Methyl Acetate	4.67	43	64380	302.906	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	61259	99.325	ug/l	98
20) Methylene Chloride	4.91	84	36891	87.239	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	27416	58.025	ug/l	99
22) Diisopropyl ether	6.31	45	95249	90.293	ug/l	98
23) Vinyl Acetate	6.31	43	60677	96.814	ug/l #	69
24) 1,1-Dichloroethane	6.21	63	58079	74.841	ug/l	99
25) 2-Butanone	7.17	43	43232	412.999	ug/l	93
26) 2,2-Dichloropropane	7.16	77	36233	63.805	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	33928	67.400	ug/l	97
28) Bromochloromethane	7.51	49	21613	81.684	ug/l	88
29) Tetrahydrofuran	7.53	42	30786	493.058	ug/l	94
30) Chloroform	7.67	83	57312	65.258	ug/l	99
31) Cyclohexane	7.95	56	17147	24.136	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	39477	49.355	ug/l	99
36) 1,1-Dichloropropene	8.08	75	24319	32.026	ug/l	99
37) Ethyl Acetate	7.26	43	8481	32.363	ug/l #	81
38) Carbon Tetrachloride	8.07	117	26765	29.929	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	13738	14.560	ug/l	98
40) Benzene	8.32	78	93976	46.378	ug/l	99
41) Methacrylonitrile	7.48	41	12379	83.200	ug/l	95
42) 1,2-Dichloroethane	8.40	62	42377	62.406	ug/l	99
43) Isopropyl Acetate	8.43	43	18344	34.939	ug/l #	89
44) Trichloroethene	9.09	130	19173	31.288	ug/l	97
45) 1,2-Dichloropropane	9.37	63	25573	56.878	ug/l	94
46) Dibromomethane	9.46	93	15580	56.292	ug/l	96
47) Bromodichloromethane	9.65	83	34454	47.352	ug/l	99
48) Methyl methacrylate	9.44	41	25218	96.227	ug/l	91
49) 1,4-Dioxane	9.45	88	6650	1515.466	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	91082	367.079	ug/l	97
52) Toluene	10.39	92	47828	35.180	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	34313	47.411	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	38668	48.371	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	25004	65.532	ug/l	98
56) Ethyl methacrylate	10.65	69	20443	45.347	ug/l	88
57) 1,3-Dichloropropane	10.93	76	33239	52.462	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	72997	354.653	ug/l	96
59) 2-Hexanone	10.97	43	56803	325.519	ug/l	98
60) Dibromochloromethane	11.13	129	19316	38.234	ug/l	98
61) 1,2-Dibromoethane	11.24	107	16479	42.649	ug/l	98
64) Tetrachloroethene	10.87	164	7671	31.409	ug/l	93
65) Chlorobenzene	11.66	112	33430	44.782	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	16350	61.295	ug/l	98
67) Ethyl Benzene	11.73	91	47084	36.755	ug/l	95
68) m/p-Xylenes	11.84	106	35907	72.259	ug/l	98
69) o-Xylene	12.17	106	16628	35.698	ug/l	96
70) Styrene	12.18	104	27075	35.361	ug/l	98
71) Bromoform	12.35	173	7925	57.232	ug/l #	98
73) Isopropylbenzene	12.47	105	32270	50.025	ug/l	99
74) N-amyl acetate	12.27	43	3684	32.970	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.72	83	16992	175.685	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	13716m	207.945	ug/l	
77) Bromobenzene	12.75	156	8895	60.168	ug/l #	51
78) n-propylbenzene	12.80	91	30650	40.817	ug/l	98
79) 2-Chlorotoluene	12.90	91	21648	49.488	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	22333	40.137	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	5530	175.984	ug/l	97
82) 4-Chlorotoluene	12.99	91	21672	46.529	ug/l	94
83) tert-Butylbenzene	13.21	119	19030	38.978	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	24491	43.620	ug/l	98
85) sec-Butylbenzene	13.39	105	22215	33.016	ug/l	99
86) p-Isopropyltoluene	13.50	119	18105	29.591	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	10536	35.895	ug/l #	80
88) 1,4-Dichlorobenzene	13.58	146	10712	36.484	ug/l #	83
89) n-Butylbenzene	13.83	91	14395	25.661	ug/l	96
90) Hexachloroethane	14.10	117	3142	29.251	ug/l	89
91) 1,2-Dichlorobenzene	13.88	146	10032	38.173	ug/l #	63
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2130	107.237	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	2676	14.669	ug/l #	13
94) Hexachlorobutadiene	15.24	225	1152	11.816	ug/l	86
95) Naphthalene	15.38	128	10289	30.506	ug/l	95
96) 1,2,3-Trichlorobenzene	15.56	180	2315	14.825	ug/l #	72

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

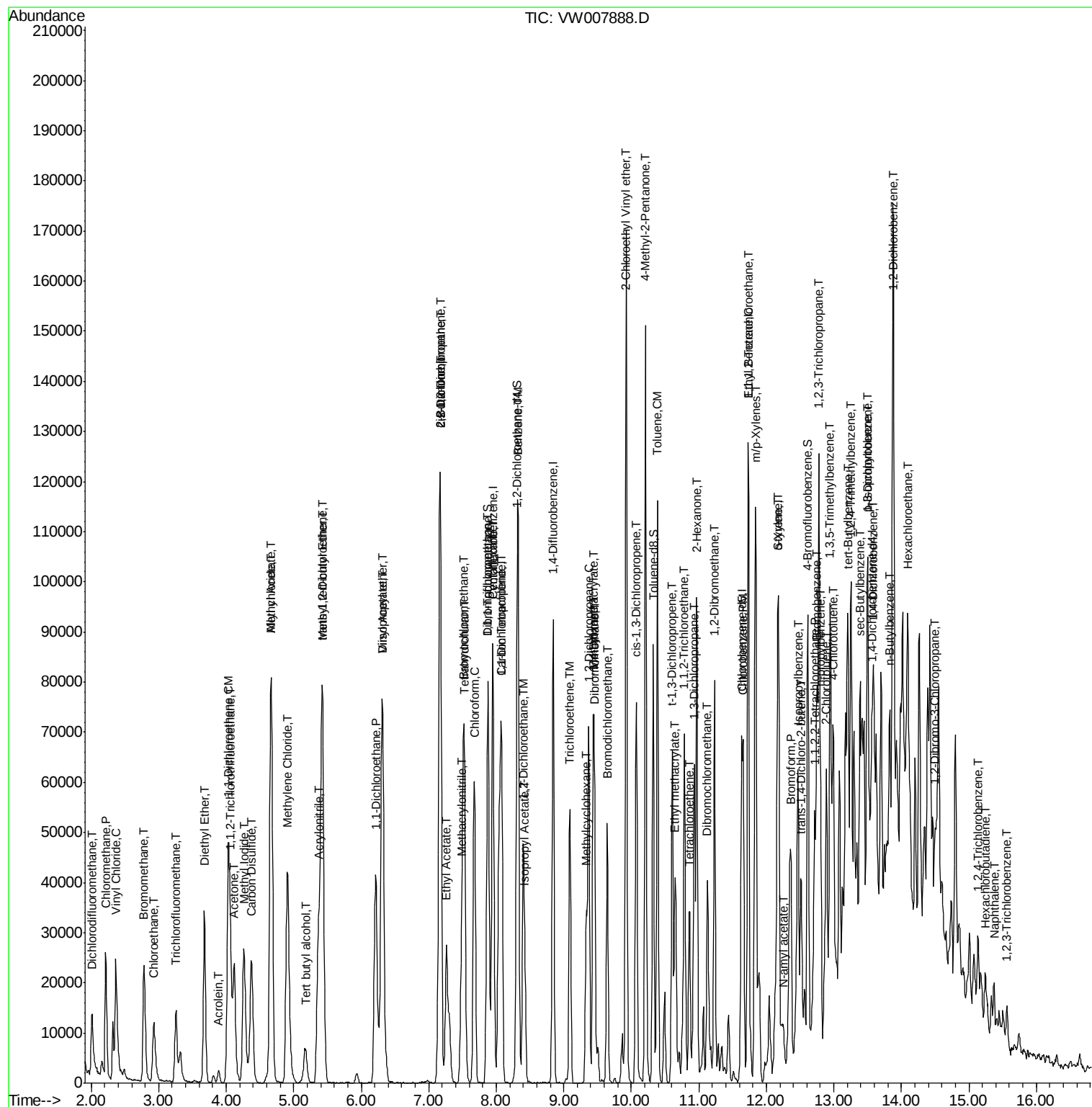
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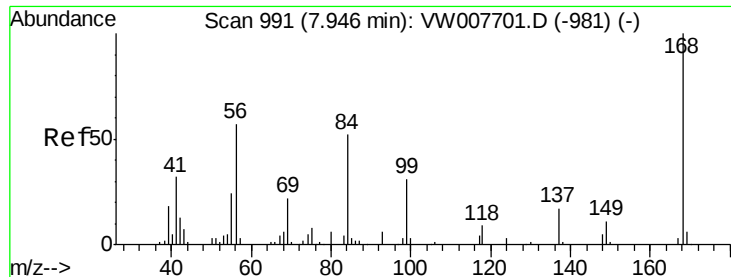
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion:168 Resp: 43543

Ion Ratio Lower Upper

168 100

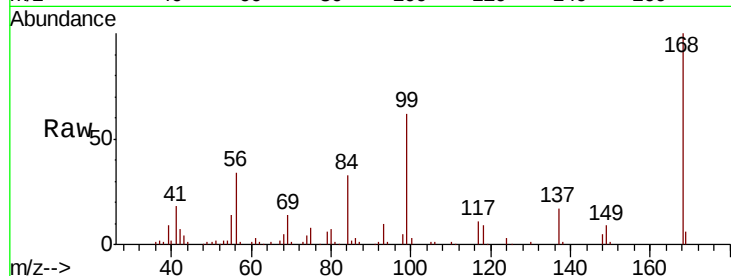
99 62.3 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

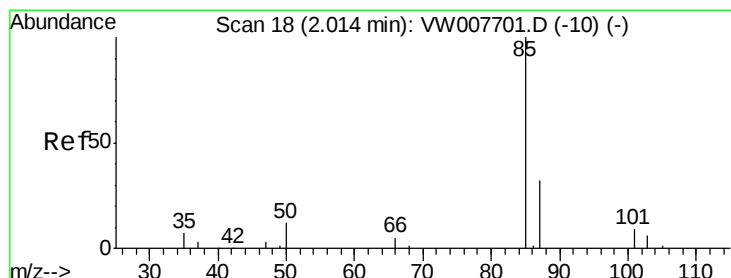
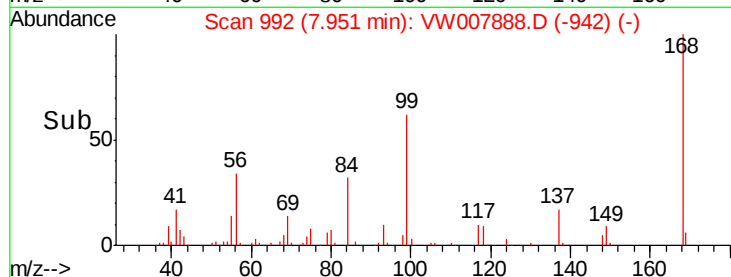
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 50.993 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007888.D

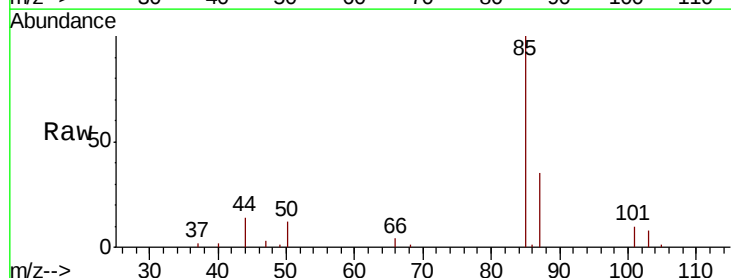
Acq: 24 Dec 2018 14:59

Tgt Ion: 85 Resp: 19739

Ion Ratio Lower Upper

85 100

87 34.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

8000

6000

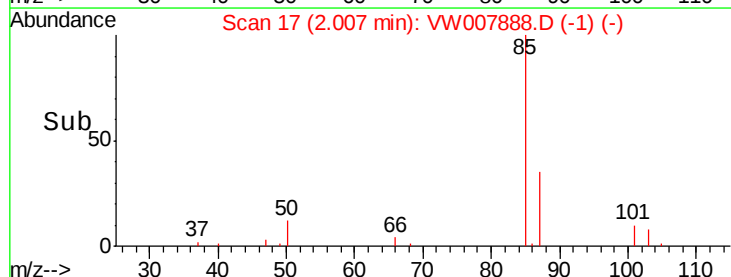
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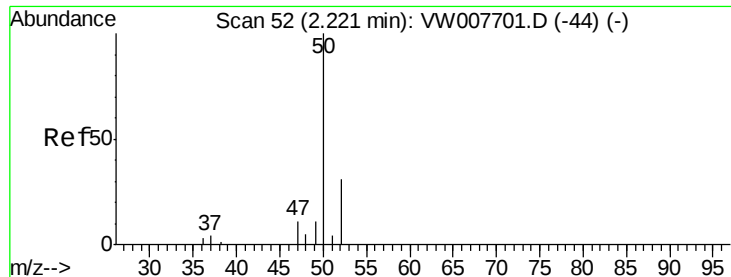
2000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 108.710 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 50 Resp: 25840

Ion Ratio Lower Upper

50 100

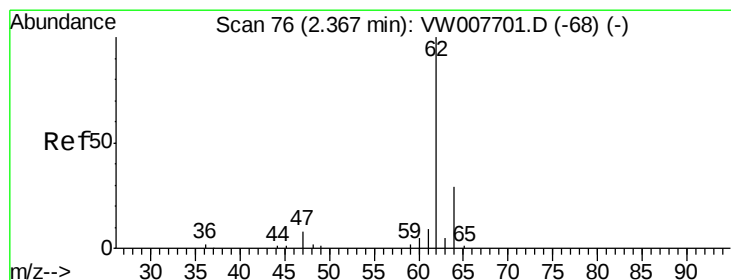
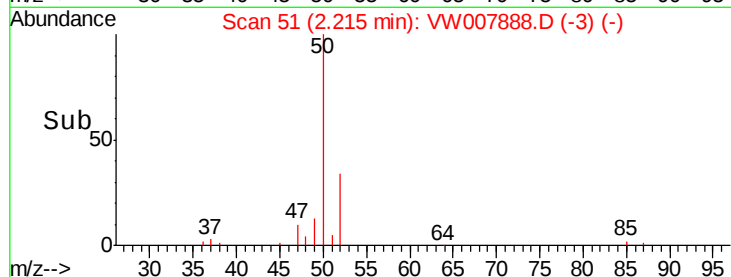
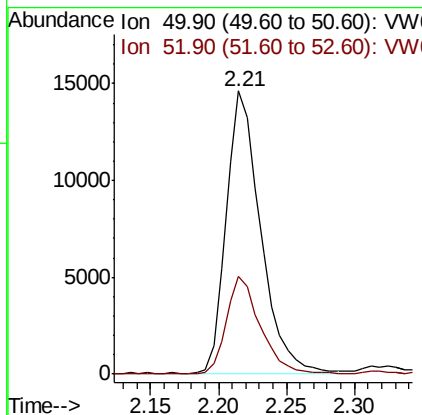
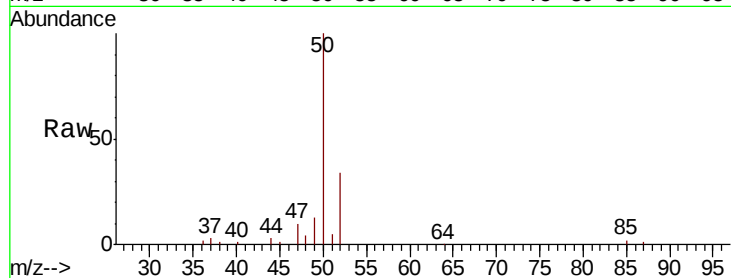
52 34.4 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 102.179 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007888.D

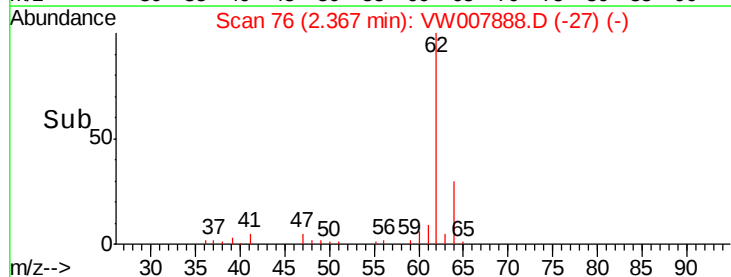
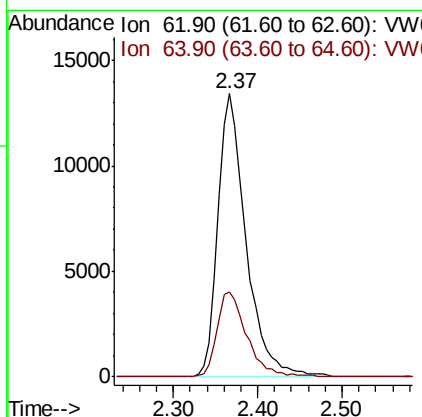
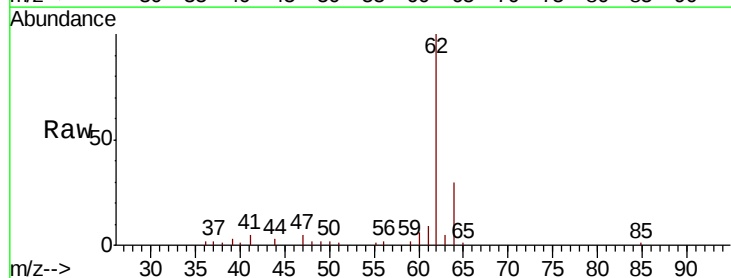
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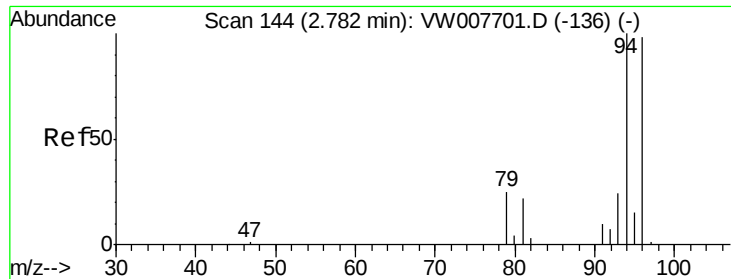
Tgt Ion: 62 Resp: 30917

Ion Ratio Lower Upper

62 100

64 30.0 23.4 35.0





#5

Bromomethane

Concen: 92.385 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 19470

Ion Ratio Lower Upper

94 100

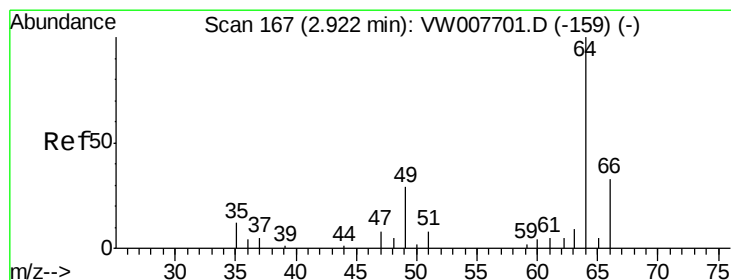
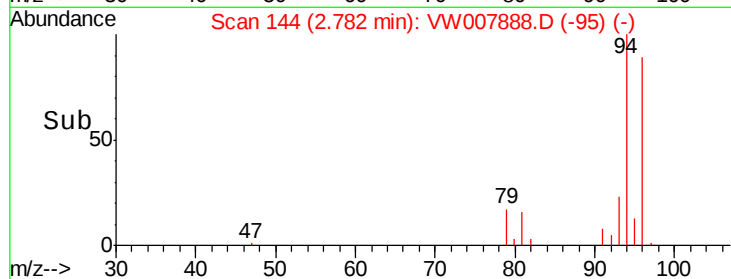
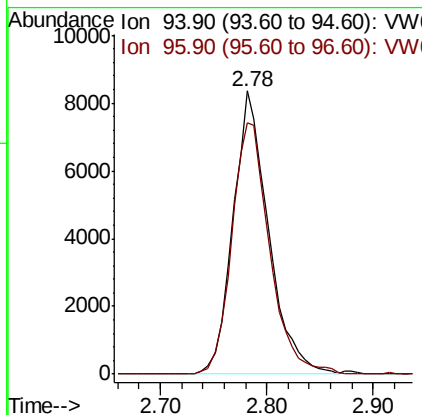
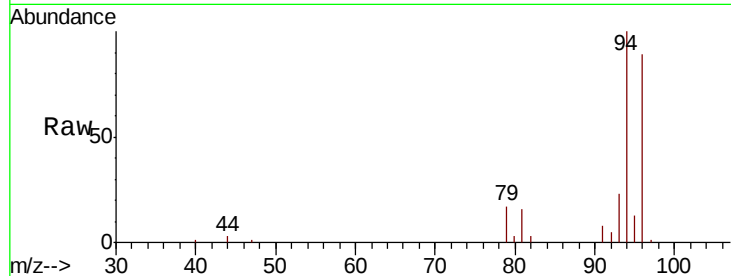
96 88.9 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 100.842 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007888.D

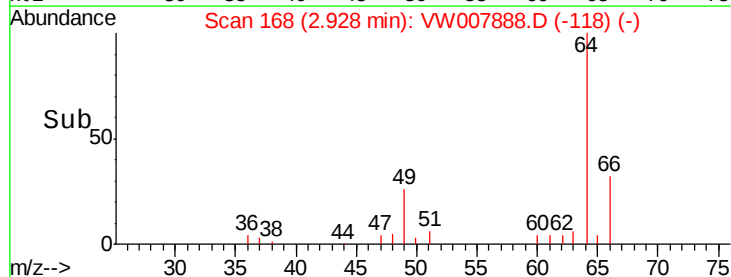
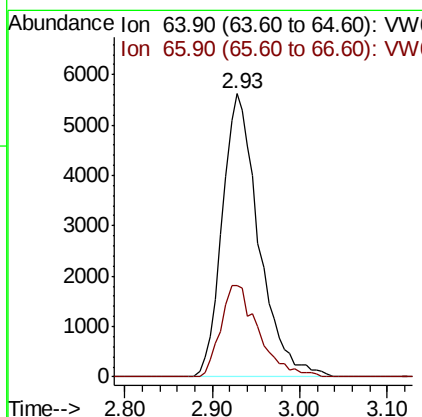
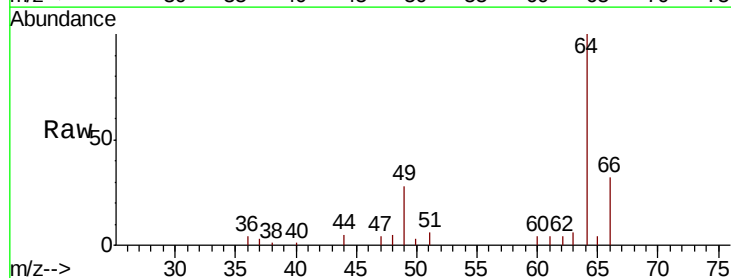
Acq: 24 Dec 2018 14:59

Tgt Ion: 64 Resp: 16324

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.4





#7

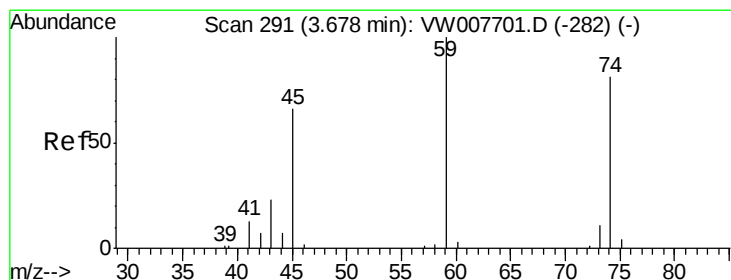
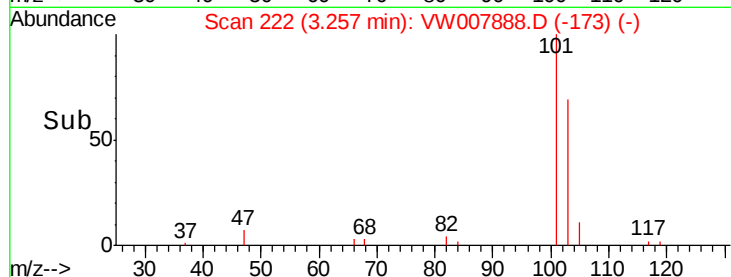
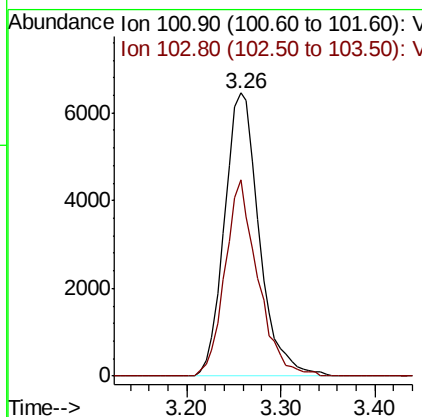
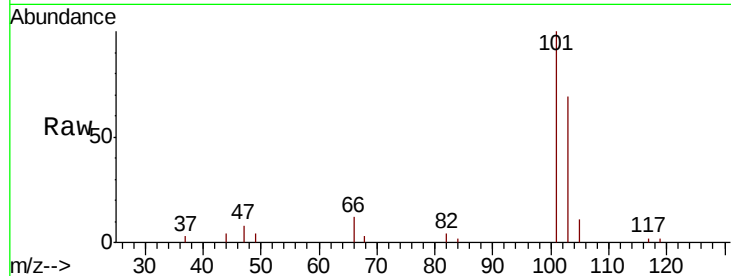
Trichlorofluoromethane
 Concen: 52.525 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Instrument :
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Tot Ion:101 Resp: 16546
 Ion Ratio Lower Upper
 101 100
 103 69.4 53.4 80.2

Manual Integrations
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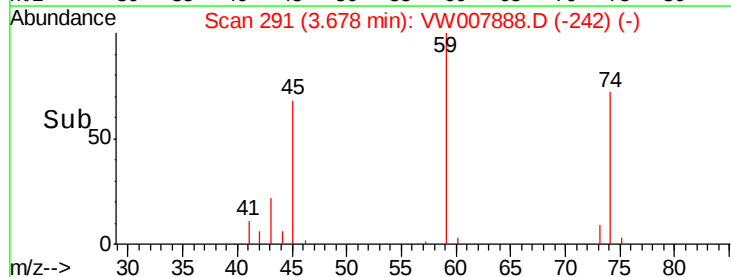
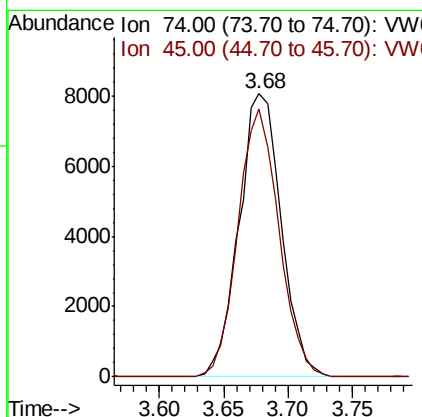
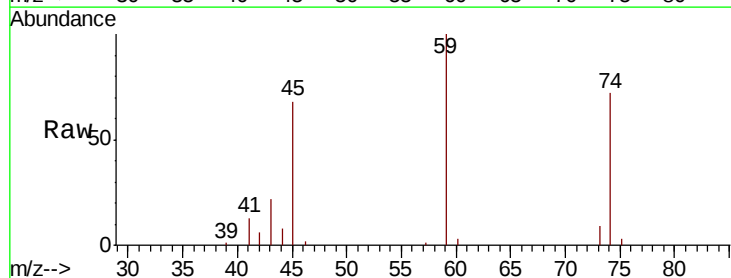
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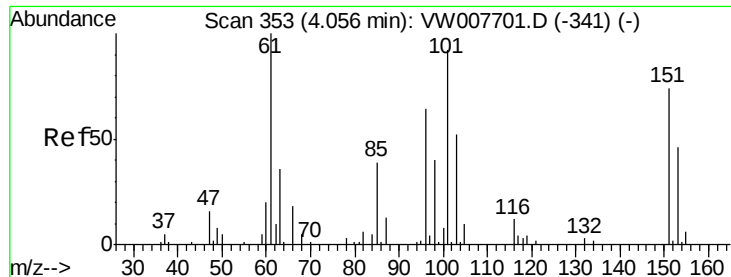


#8

Diethyl Ether
 Concen: 94.601 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Tgt Ion: 74 Resp: 18253
 Ion Ratio Lower Upper
 74 100
 45 92.2 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 33.942 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007888.D

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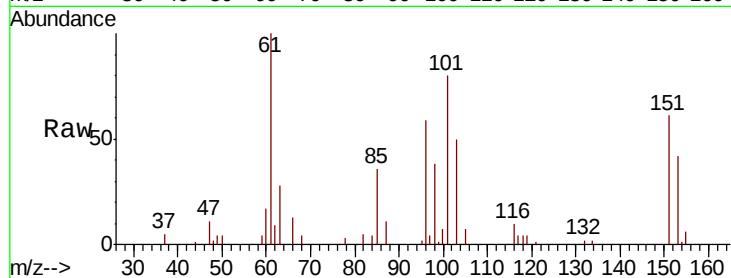
ClientSampleId :

P001-DS001-01MS

Tot Ion:	101	Resp:	15747
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.3	51.5
151	81.5	64.6	96.8

Manual Integrations
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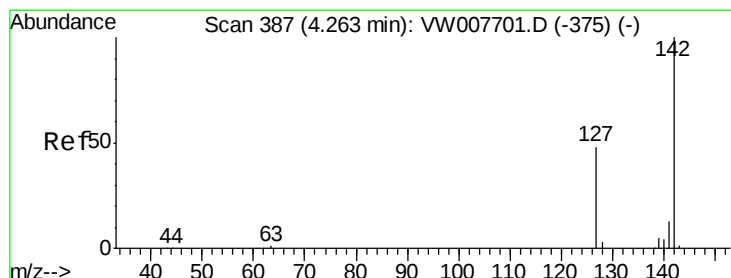
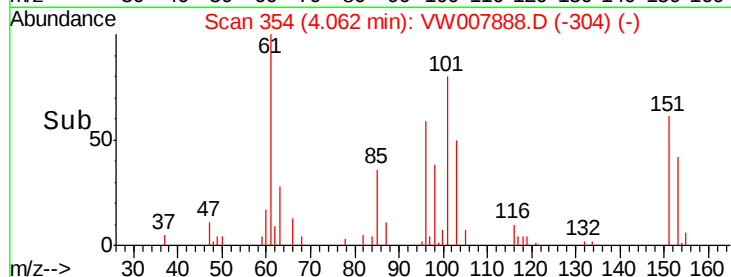
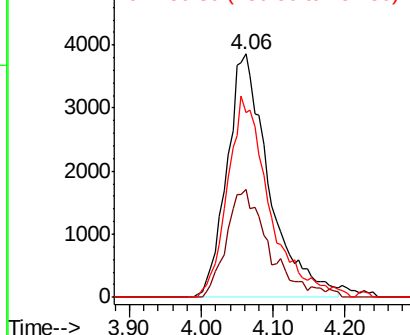


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 69.293 ug/l

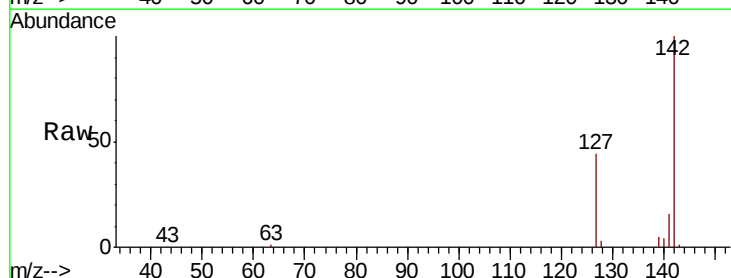
RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion:	142	Resp:	51124
Ion Ratio	Lower	Upper	
142	100		
127	44.7	37.7	56.5
141	15.4	11.5	17.3

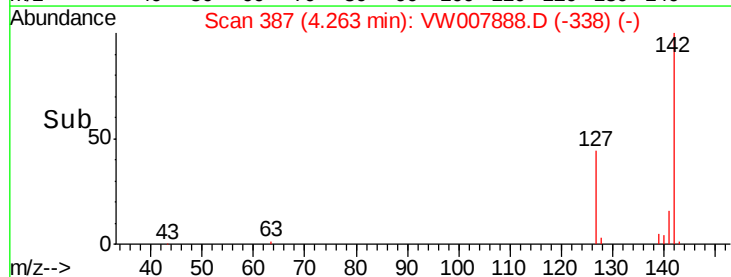
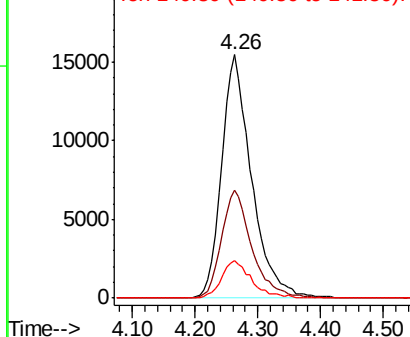


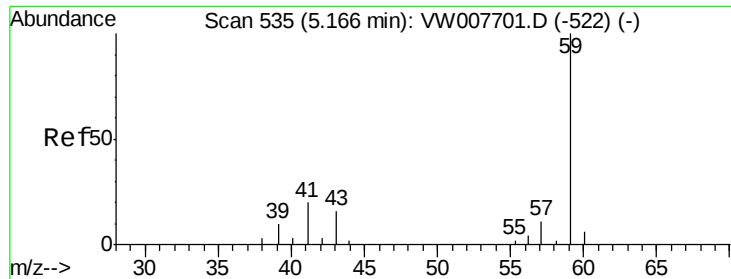
Abundance

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





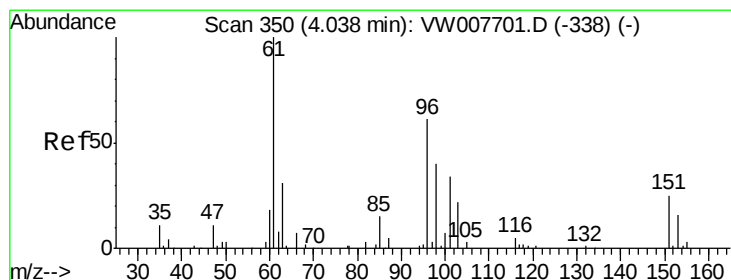
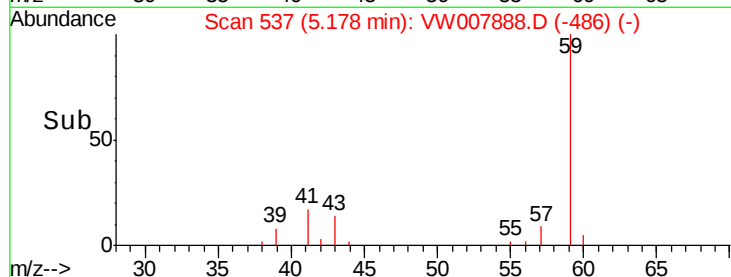
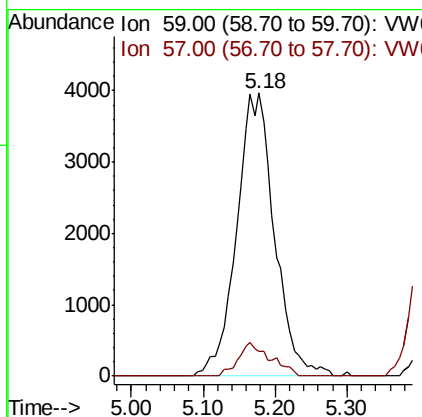
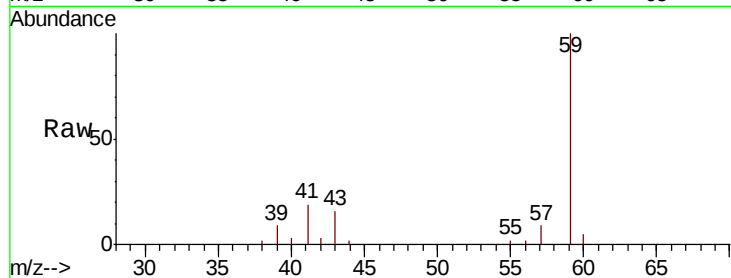
#11
Tert butyl alcohol
Concen: 450.048 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion: 59 Resp: 14489
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.8

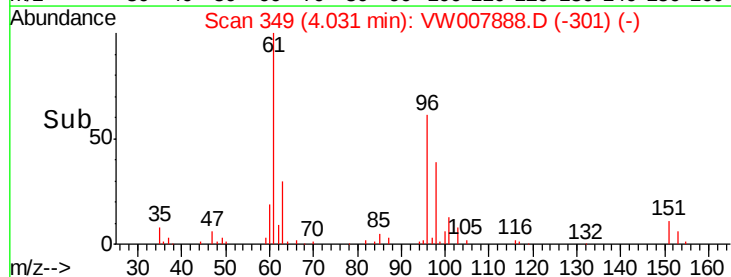
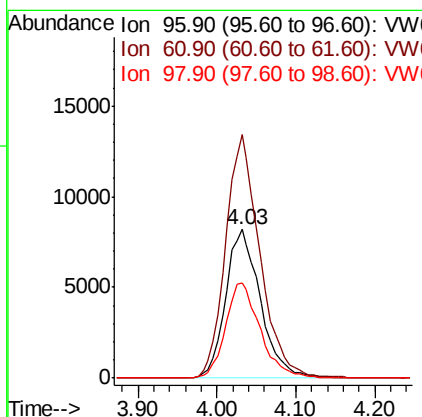
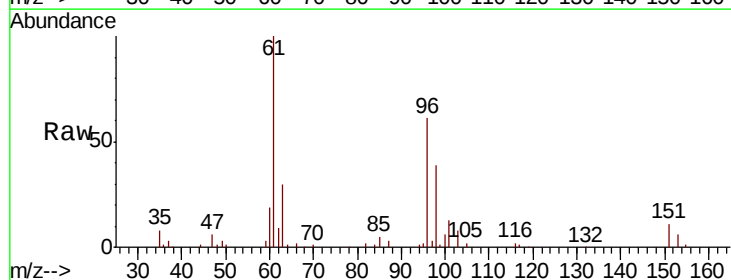
Manual Integrations
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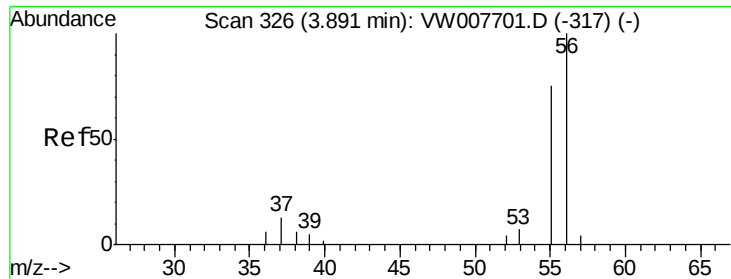
MMDadoda
12/26/2018 4:38:55 PM



#12
1,1-Dichloroethene
Concen: 58.316 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion: 96 Resp: 25053
Ion Ratio Lower Upper
96 100
61 164.1 130.6 195.8
98 64.0 52.3 78.5





#13

Acrolein

Concen: 114.408 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 56 Resp: 2945

Ion Ratio Lower Upper

56 100

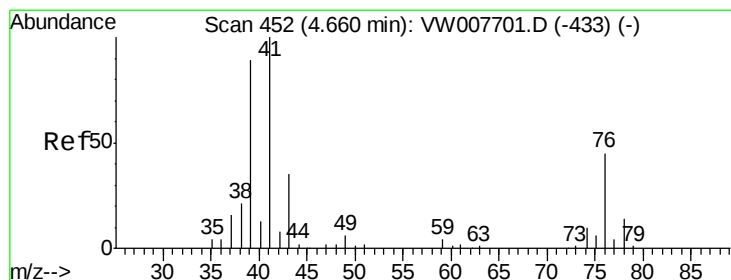
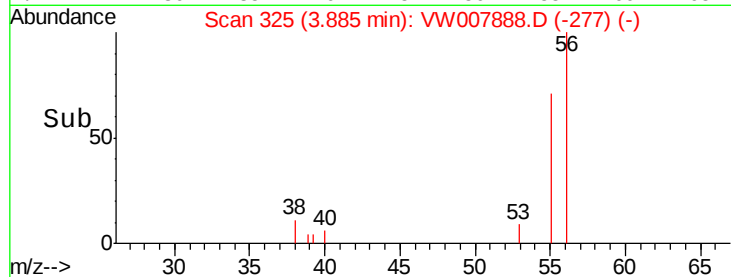
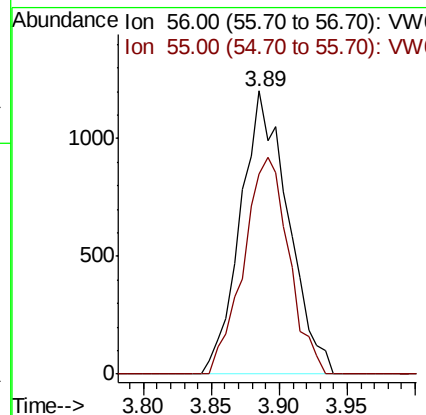
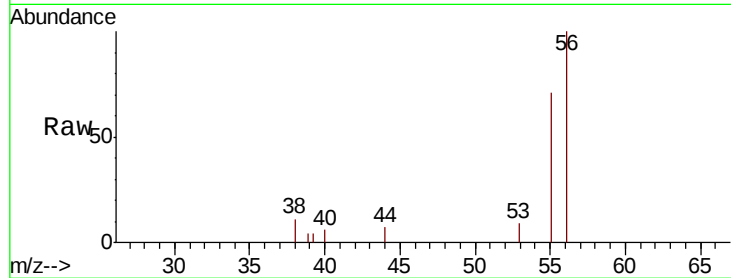
55 72.7 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 85.529 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

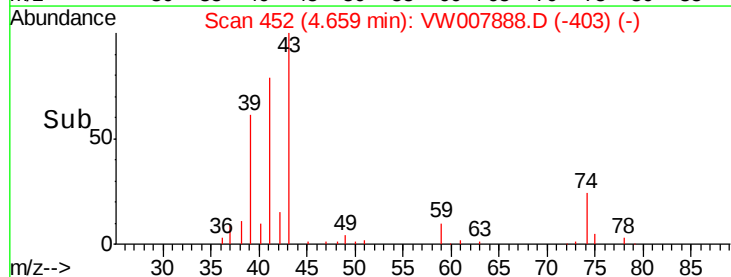
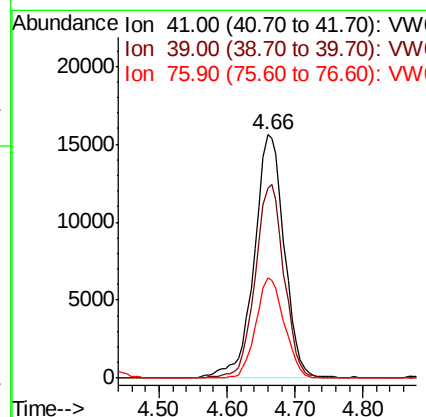
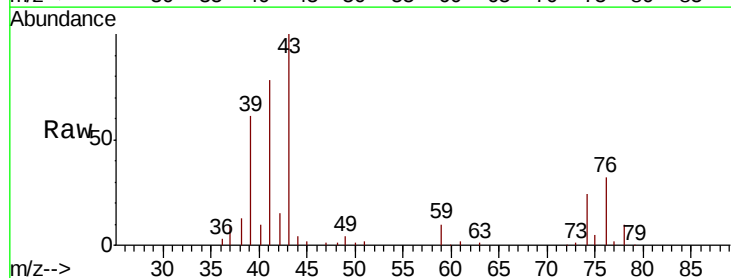
Tgt Ion: 41 Resp: 48184

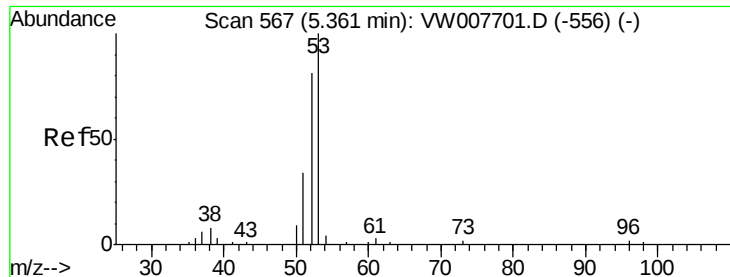
Ion Ratio Lower Upper

41 100

39 76.4 69.5 104.3

76 38.8 34.8 52.2





#15

Acrylonitrile

Concen: 461.597 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

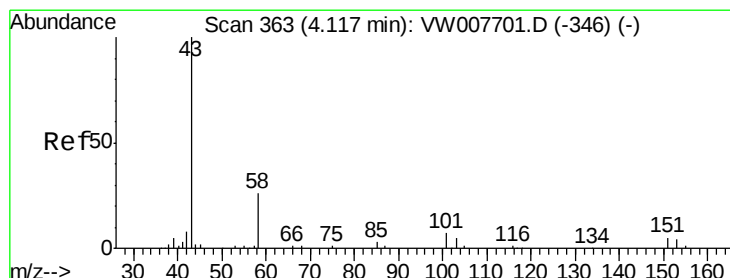
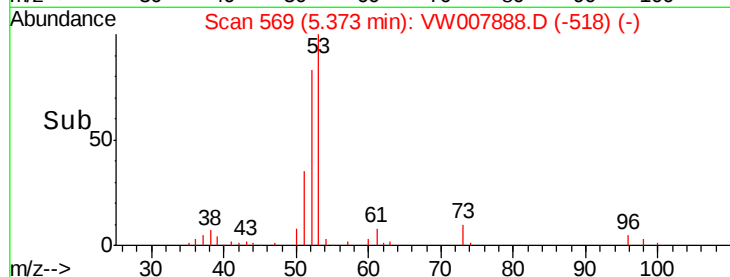
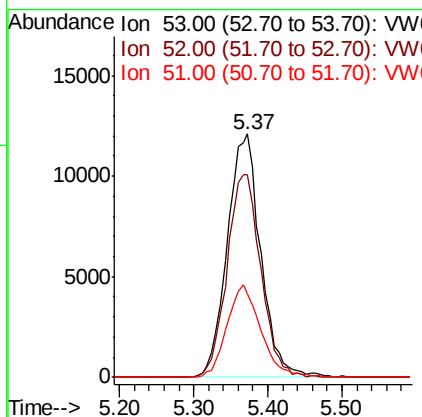
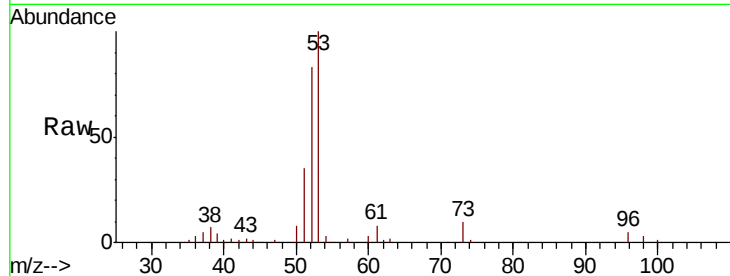
ClientSampleId :

P001-DS001-01MS

Tot Ion:	53	Resp:	37992
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.0	100.4
51	38.5	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 376.514 ug/l

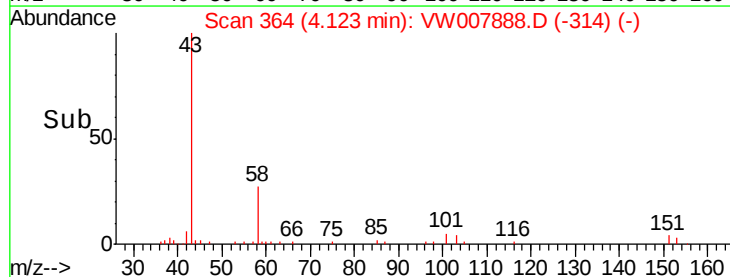
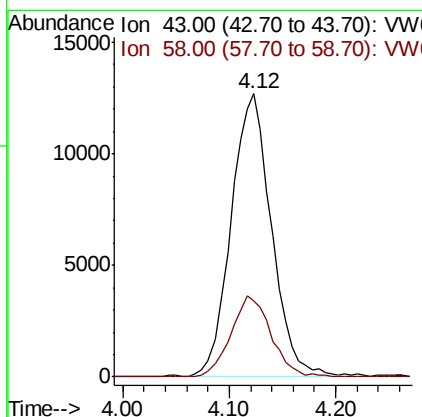
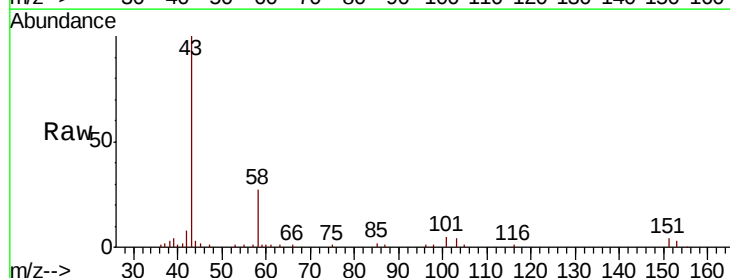
RT: 4.12 min Scan# 364

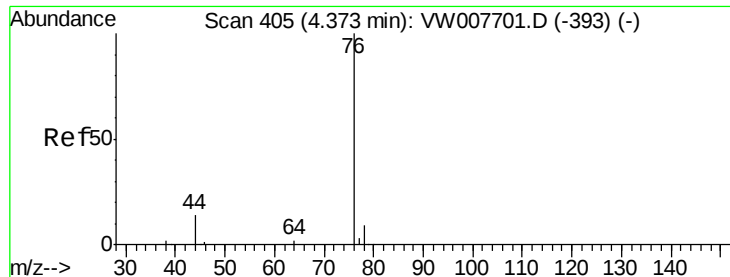
Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion:	43	Resp:	33649
Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.2	31.8





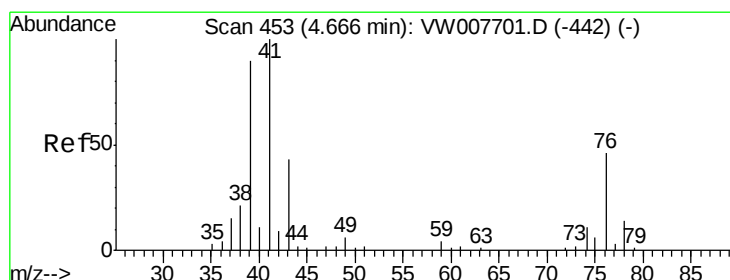
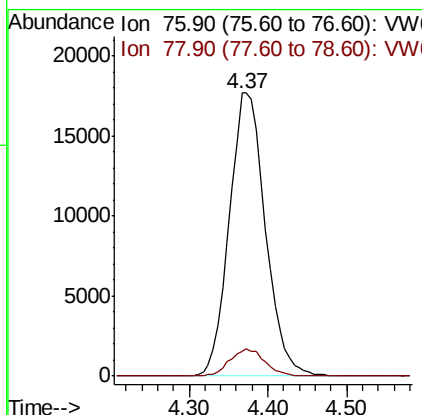
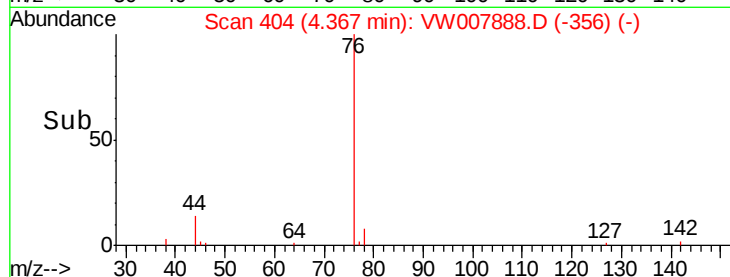
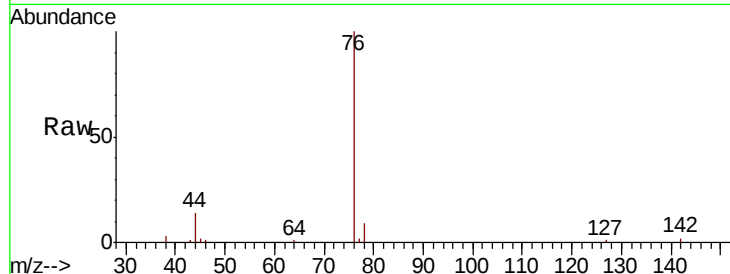
#17
Carbon Disulfide
Concen: 42.375 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

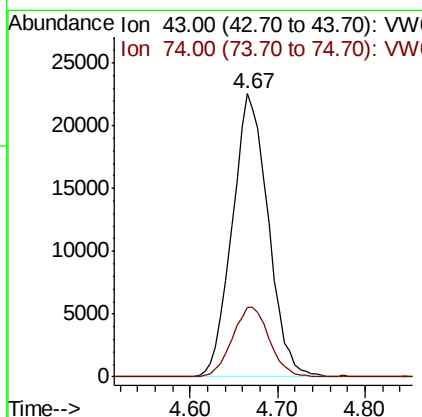
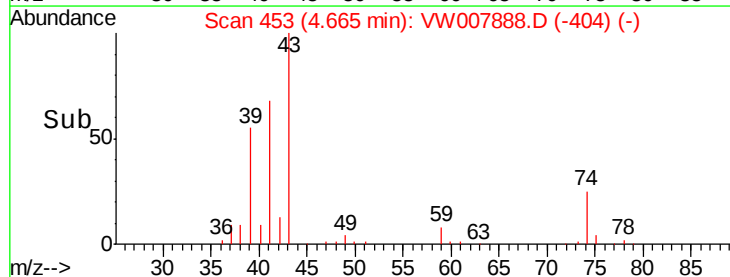
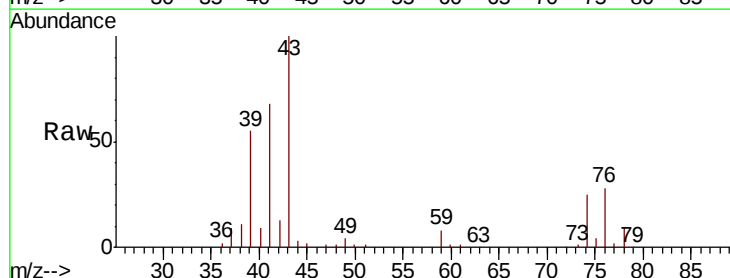
Manual Integrations
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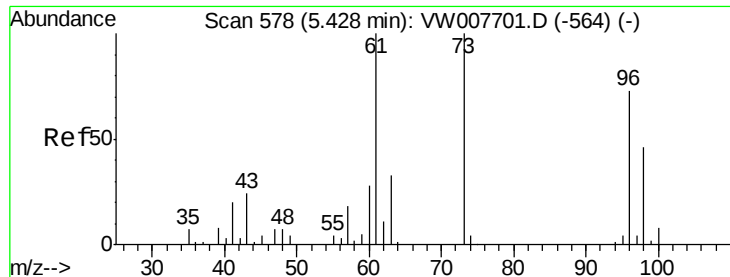
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#18
Methyl Acetate
Concen: 302.906 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	22.7	34.1





#19

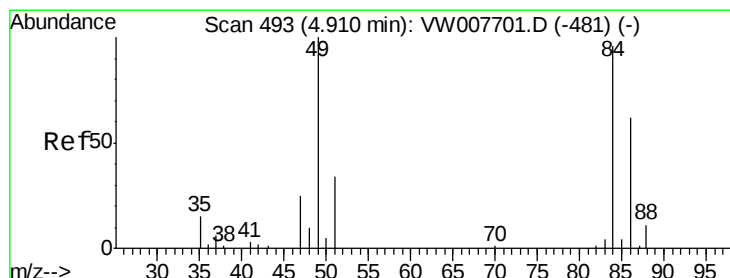
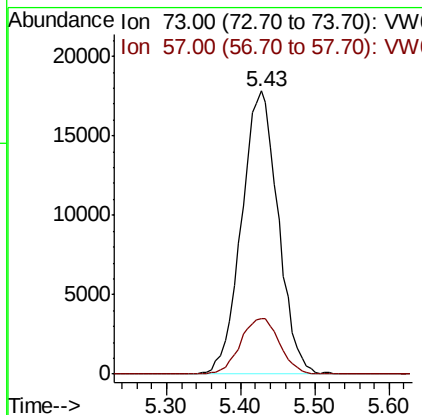
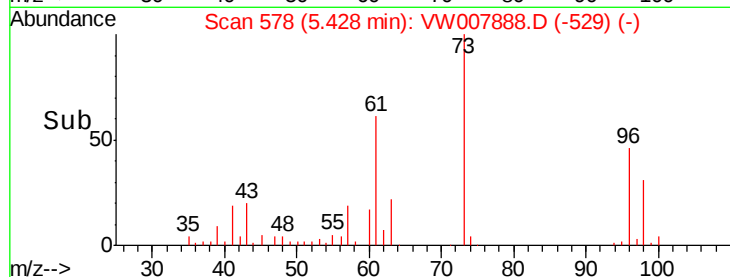
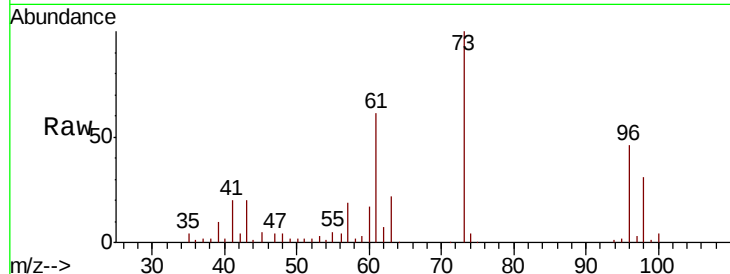
Methyl tert-butyl Ether
 Concen: 99.325 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tot Ion: 73 Resp: 61259
 Ion Ratio Lower Upper
 73 100
 57 19.4 14.7 22.1

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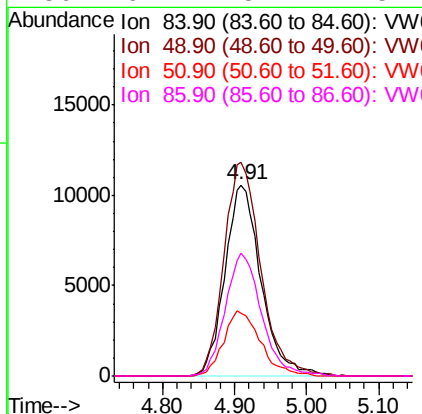
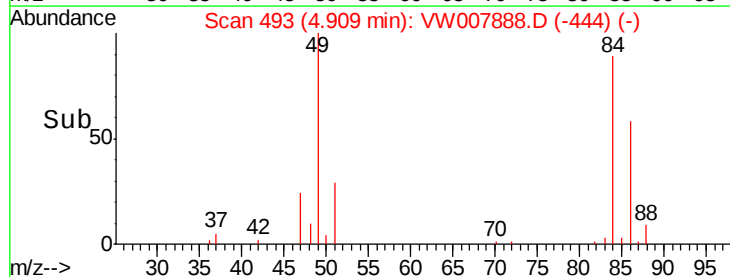
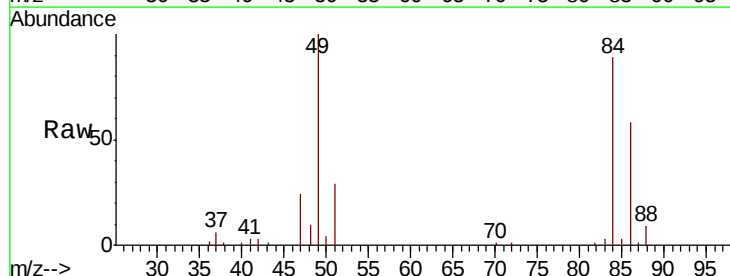
MMDadoda
 12/26/2018 4:38:55 PM

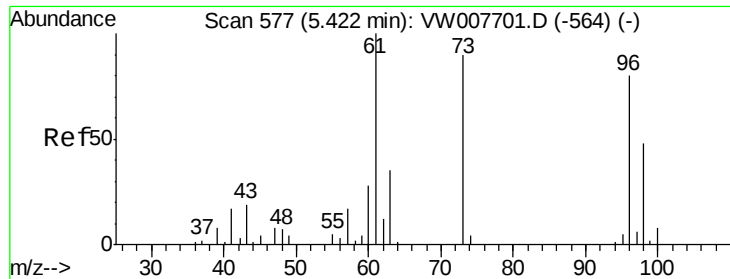


#20

Methylene Chloride
 Concen: 87.239 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Tgt Ion: 84 Resp: 36891
 Ion Ratio Lower Upper
 84 100
 49 111.9 83.7 125.5
 51 32.8 28.2 42.2
 86 64.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 58.025 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 96 Resp: 27416

Ion Ratio Lower Upper

96 100

61 126.8 100.1 150.1

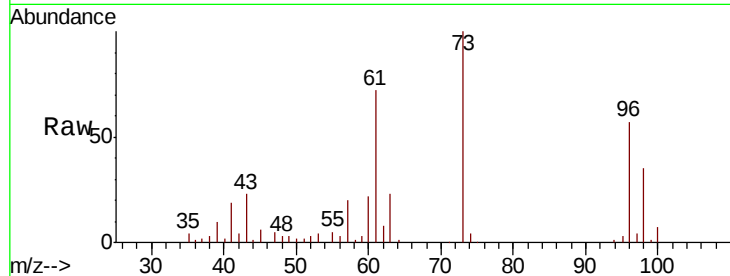
98 61.3 48.5 72.7

Manual Integrations

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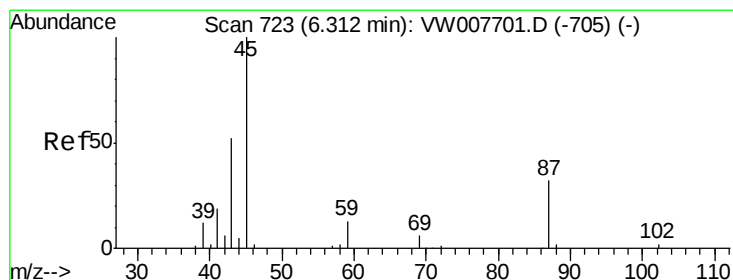
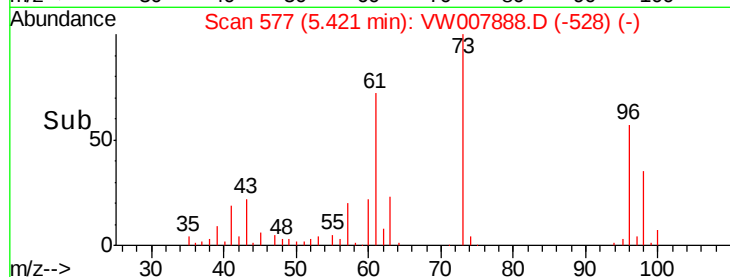
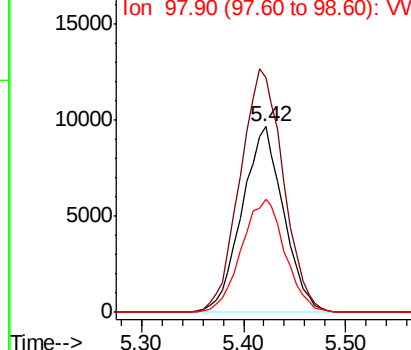


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 90.293 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion: 45 Resp: 95249

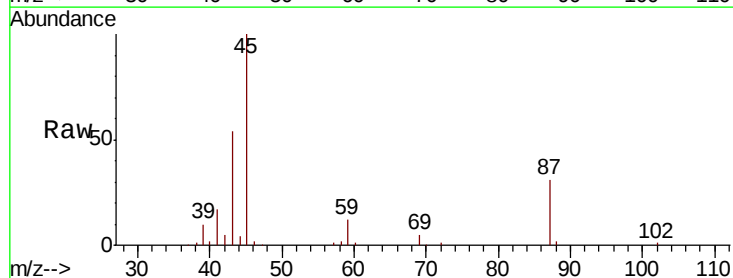
Ion Ratio Lower Upper

45 100

43 54.0 43.7 65.5

87 31.2 26.6 40.0

59 11.6 10.2 15.2



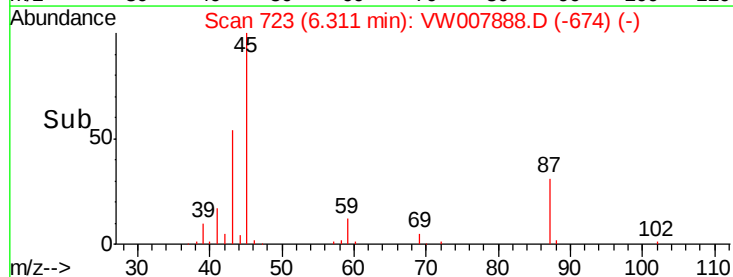
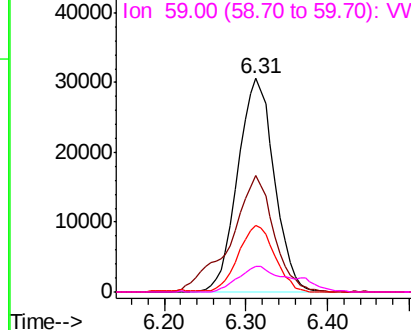
Abundance

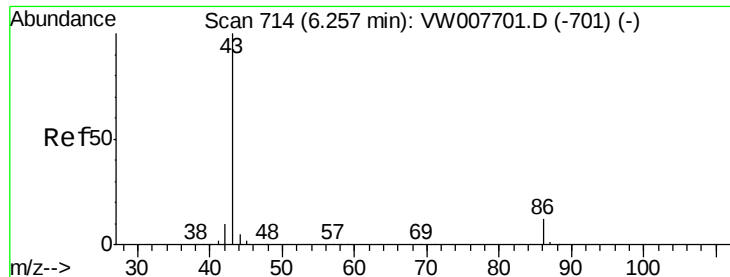
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 96.814 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.05 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 43 Resp: 60677

Ion Ratio Lower Upper

43 100

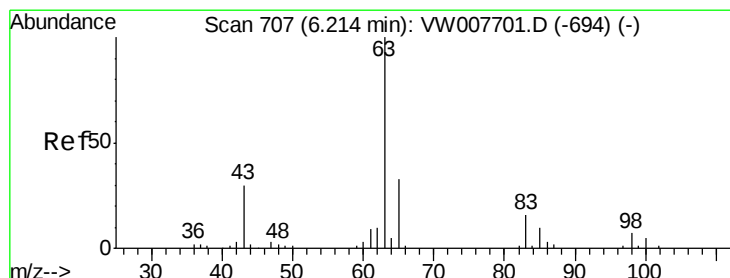
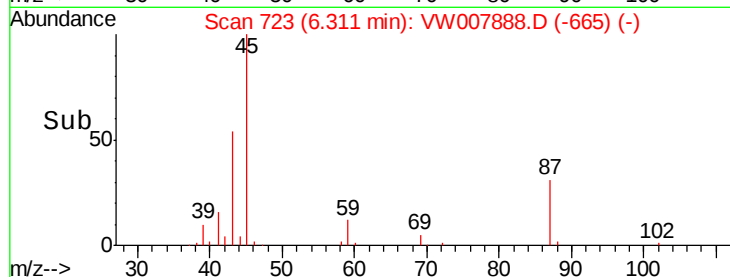
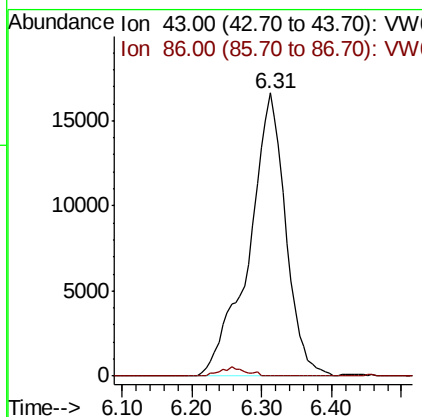
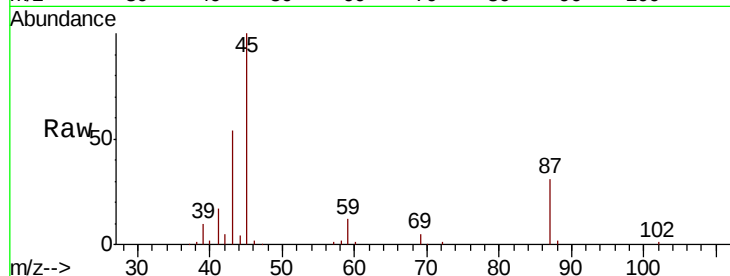
86 0.0 9.6 14.4#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 74.841 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

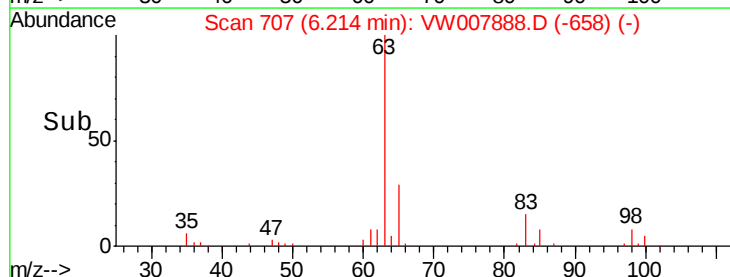
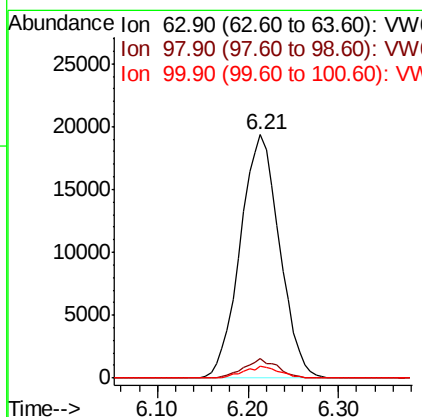
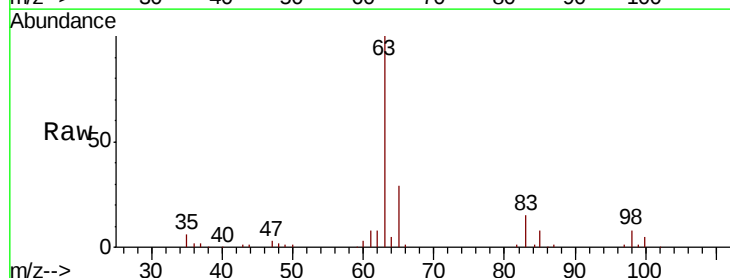
Tgt Ion: 63 Resp: 58079

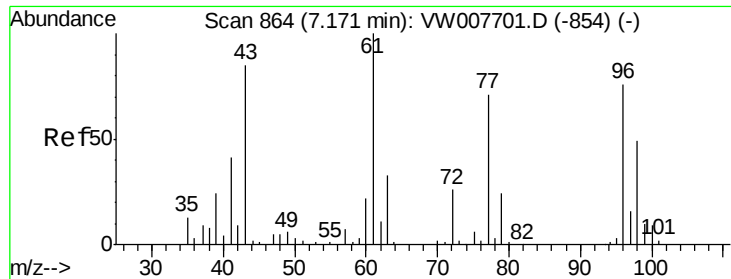
Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

100 4.8 2.5 7.5





#25

2-Butanone

Concen: 412.999 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 43 Resp: 43232

Ion Ratio Lower Upper

43 100

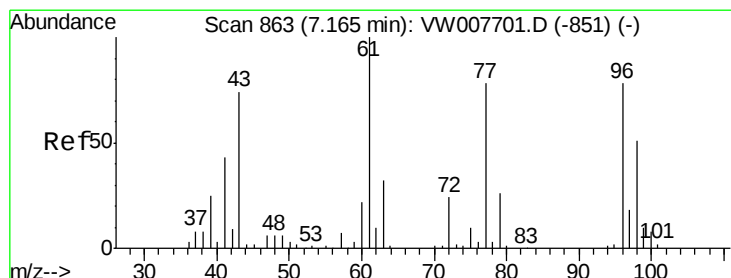
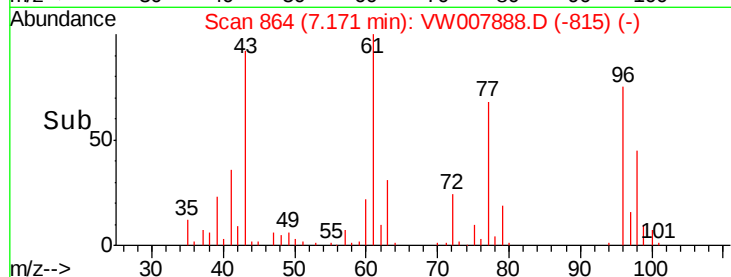
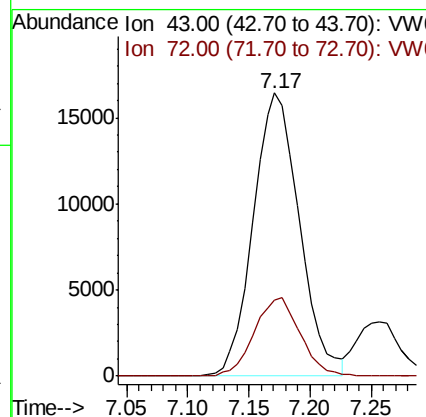
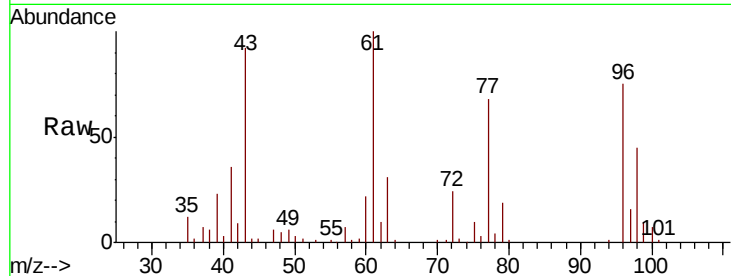
72 26.7 24.5 36.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 63.805 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007888.D

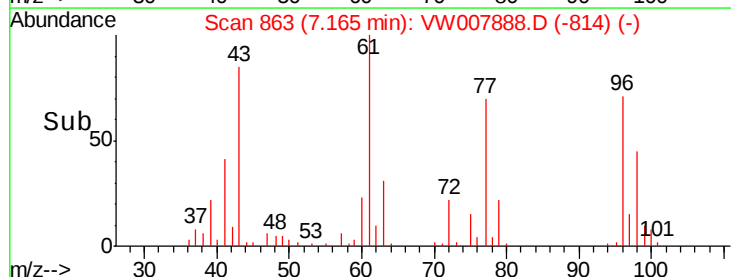
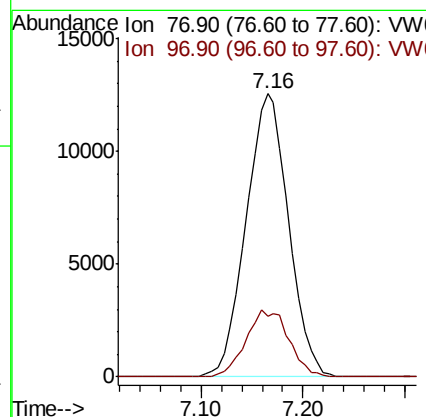
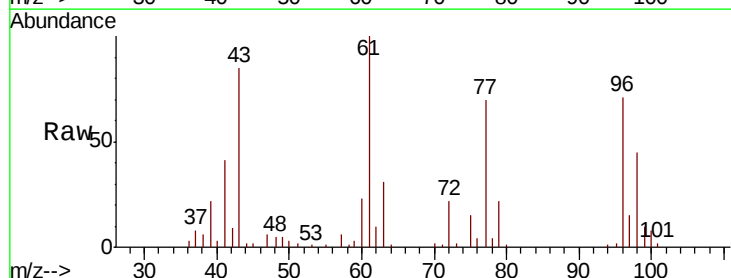
Acq: 24 Dec 2018 14:59

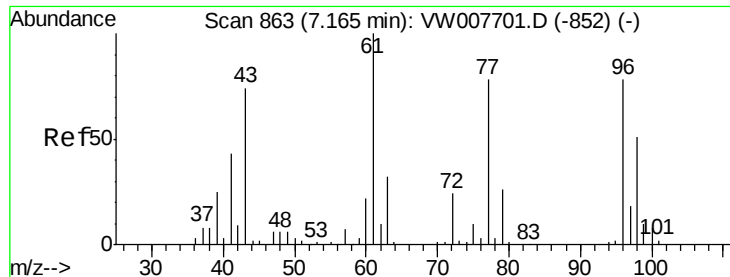
Tgt Ion: 77 Resp: 36233

Ion Ratio Lower Upper

77 100

97 23.7 11.3 33.9





#27

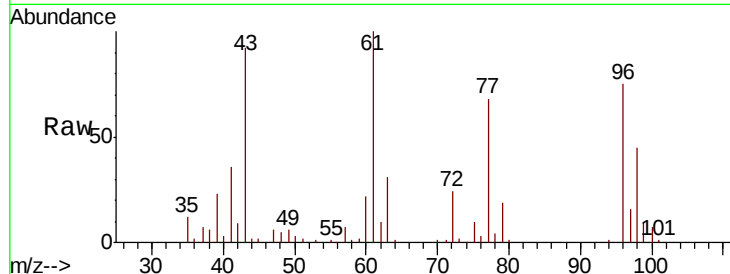
cis-1,2-Dichloroethene
Concen: 67.400 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	33928		
61	139.8	0.0	271.6	
98	63.5	0.0	131.2	

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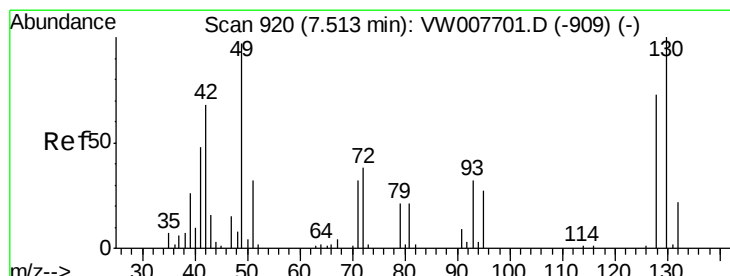
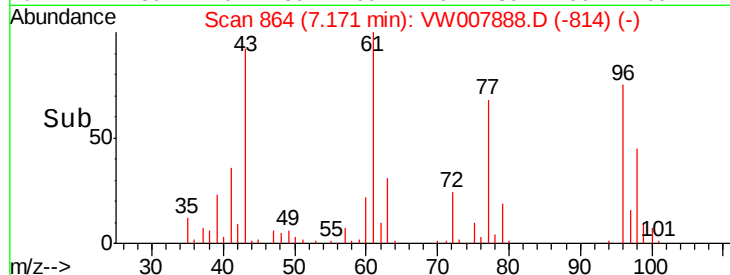
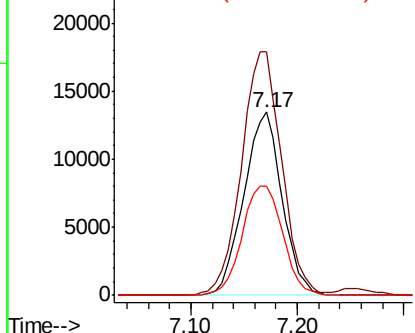


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

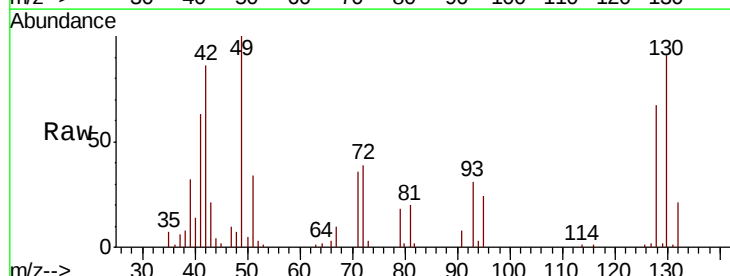
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 81.684 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21613		
129	0.4	0.0	2.2	
130	89.5	81.5	122.3	

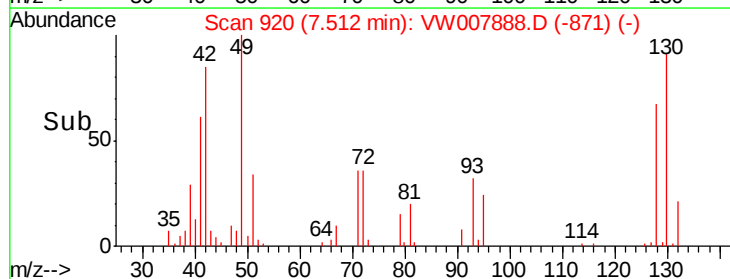
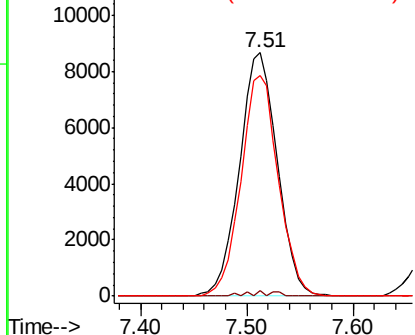


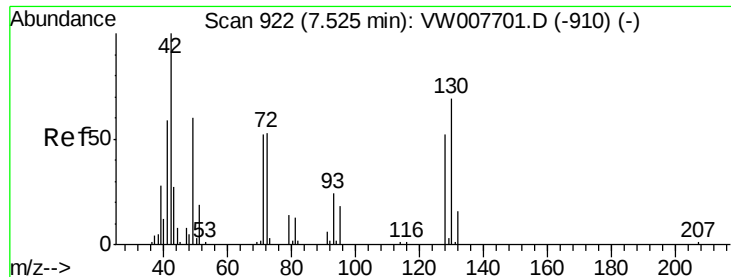
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





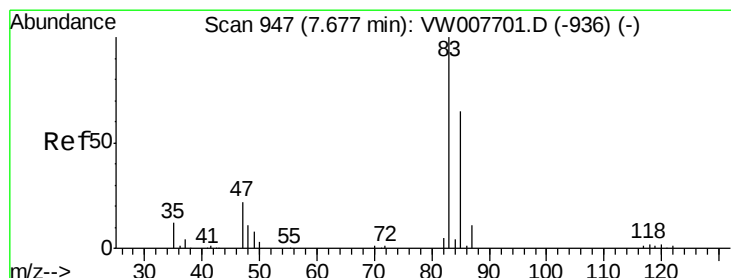
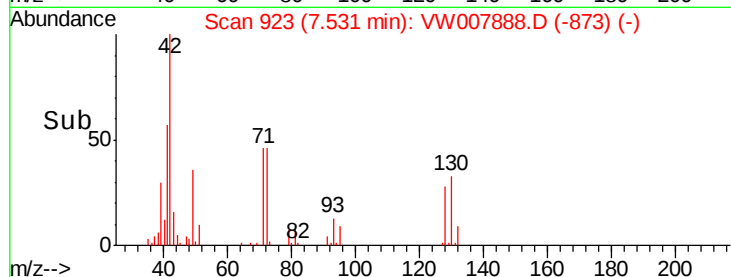
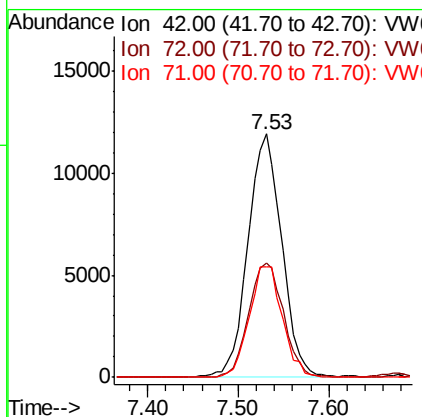
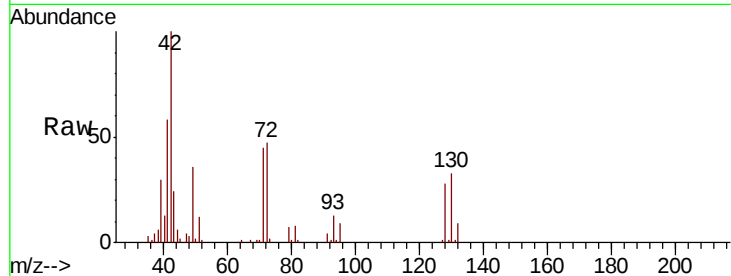
#29
Tetrahydrofuran
Concen: 493.058 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	41.7	62.5
71	44.8	39.0	58.6

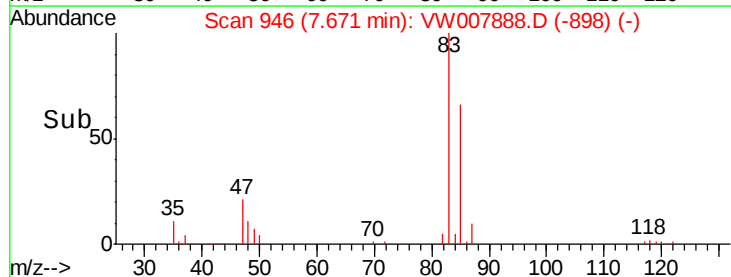
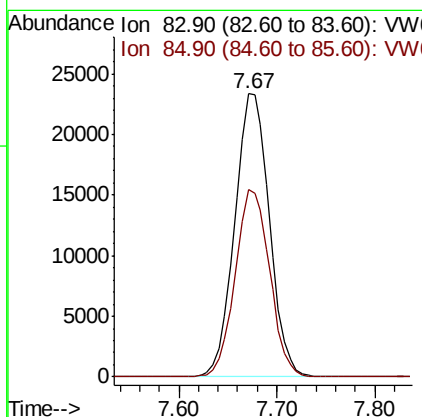
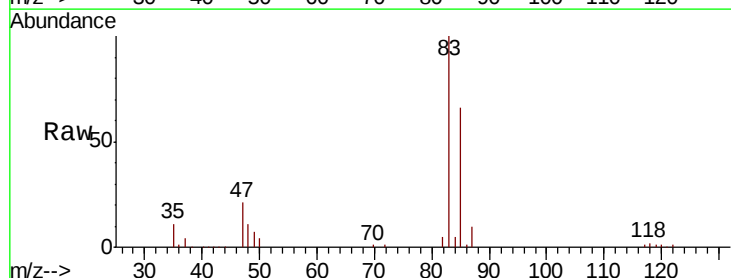
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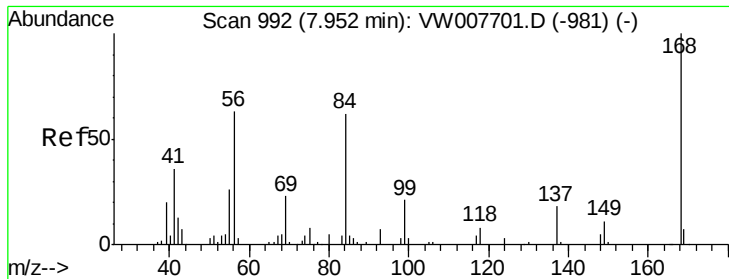
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#30
Chloroform
Concen: 65.258 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.2	78.2





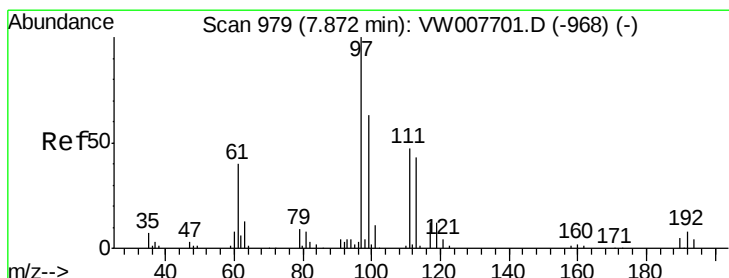
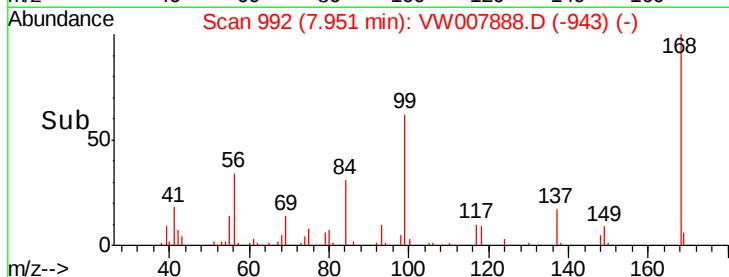
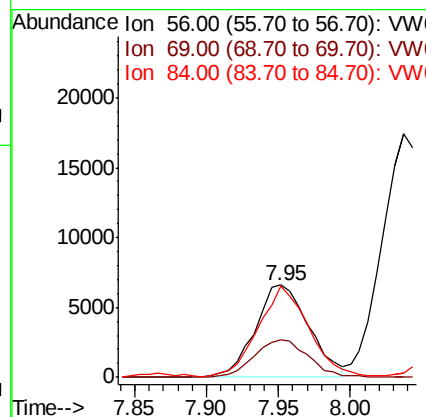
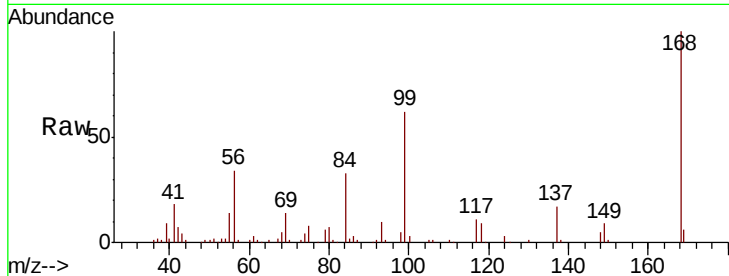
#31
Cyclohexane
Concen: 24.136 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.9	29.7	44.5
84	97.4	78.9	118.3

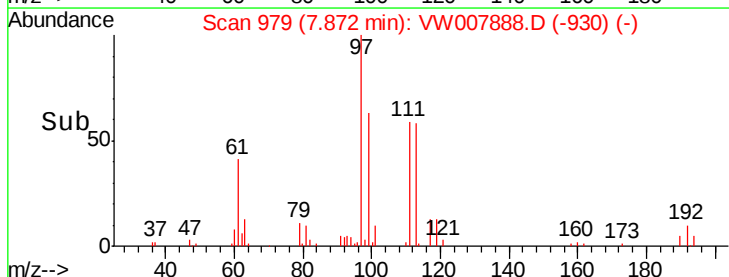
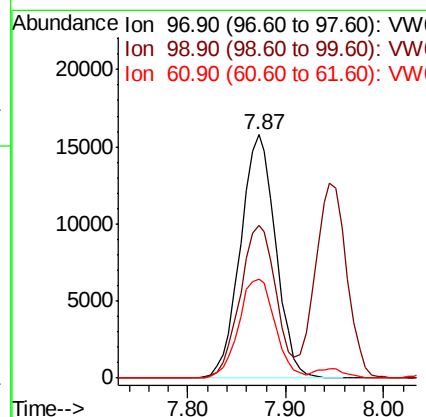
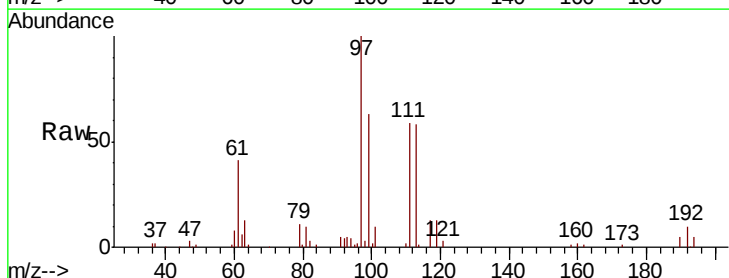
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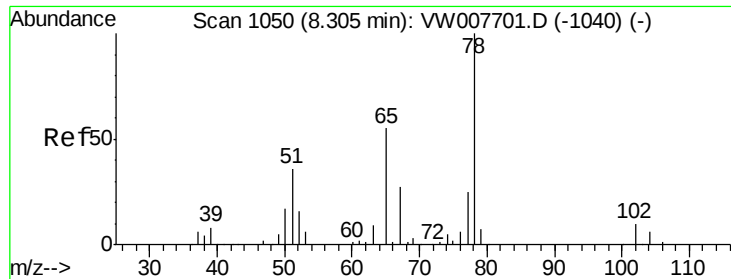
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#32
1,1,1-Trichloroethane
Concen: 49.355 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	41.9	32.3	48.5





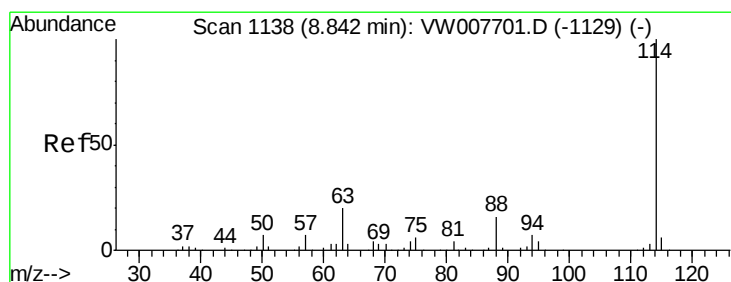
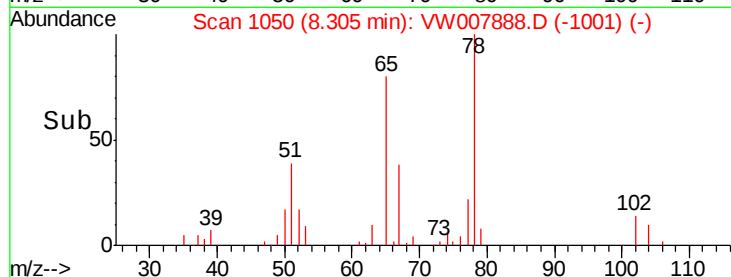
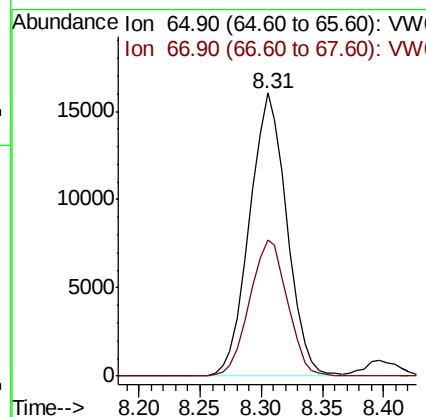
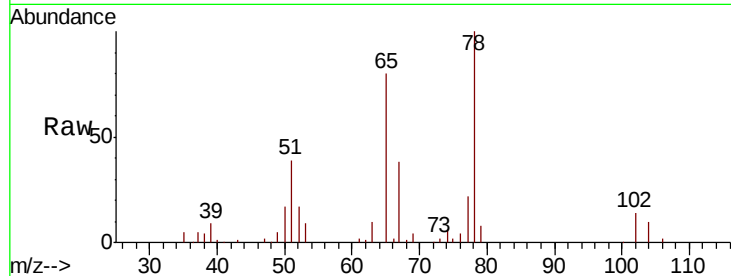
#33
 1,2-Dichloroethane-d4
 Concen: 71.344 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	34049		
67	48.7	0.0	100.6	

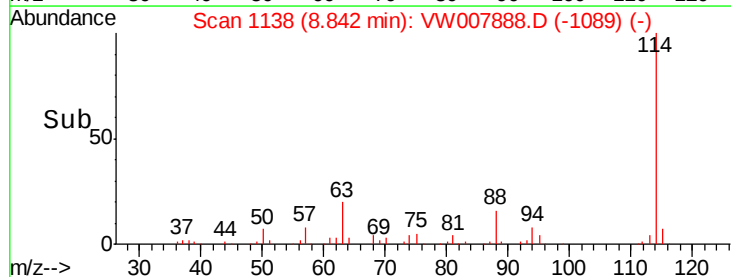
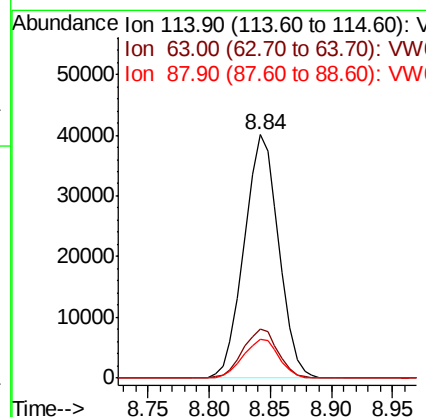
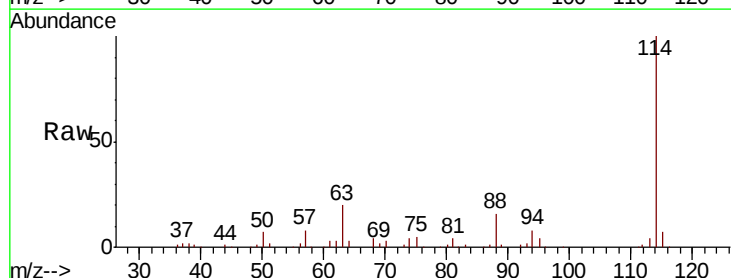
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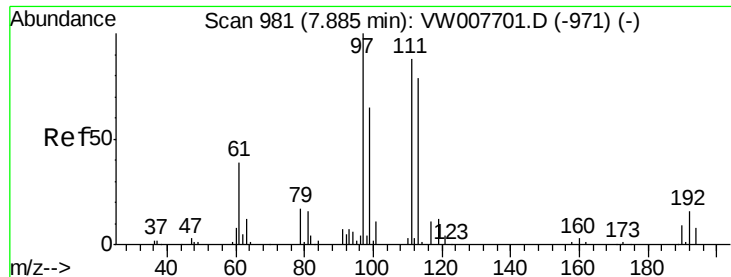
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	78674		
63	20.2	0.0	40.0	
88	16.2	0.0	32.6	





#35

Dibromofluoromethane

Concen: 58.608 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

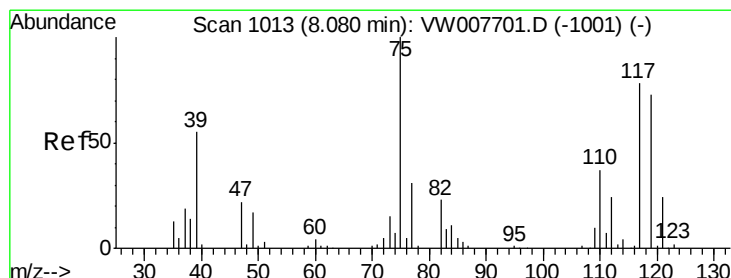
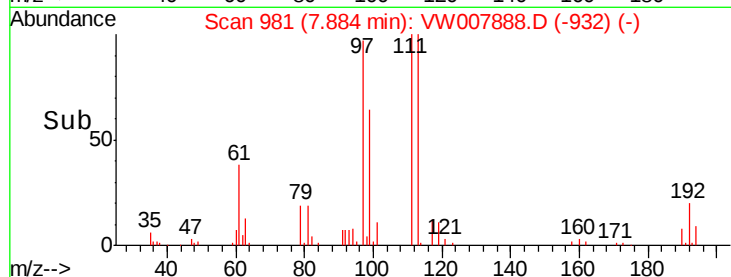
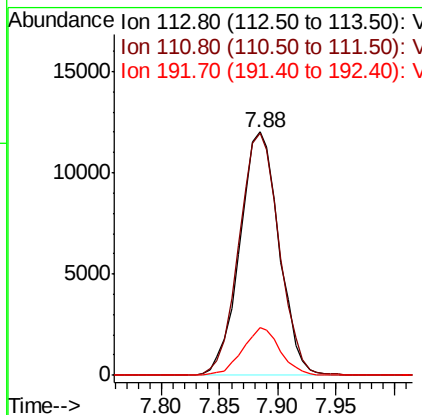
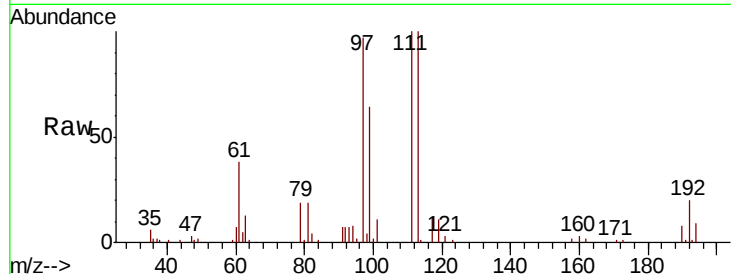
ClientSampleId :

P001-DS001-01MS

Tot Ion:	113	Resp:	28129
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.6	124.0
192	18.7	15.5	23.3

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#36

1,1-Dichloropropene

Concen: 32.026 ug/l

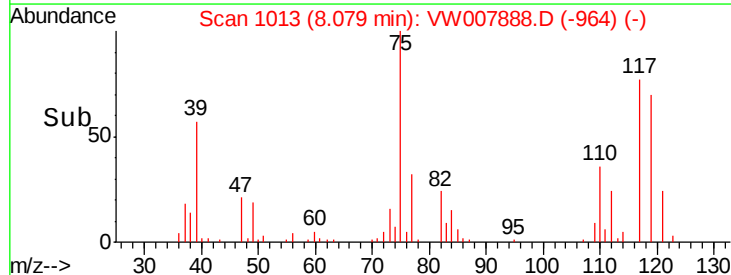
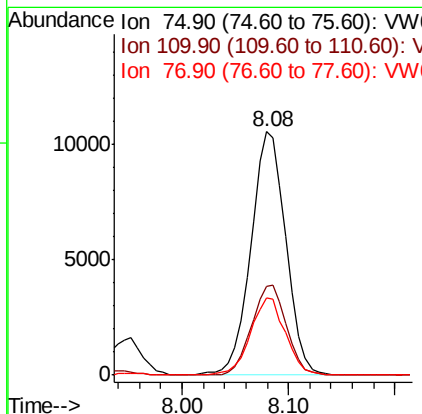
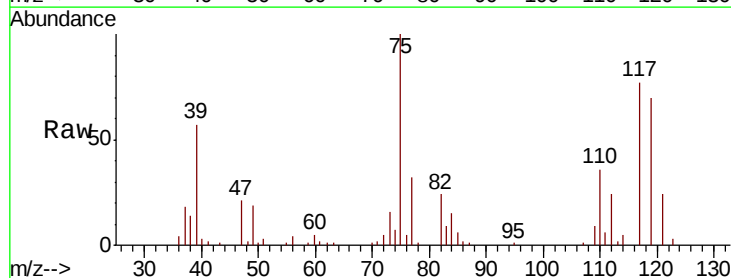
RT: 8.08 min Scan# 1013

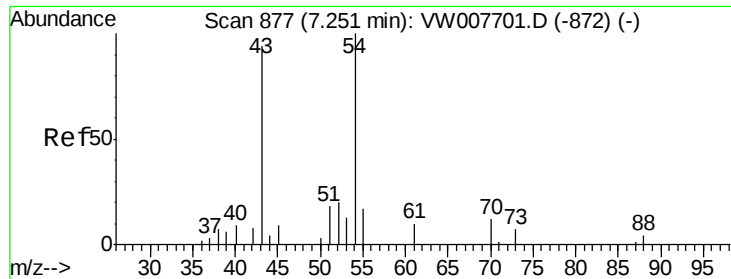
Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion:	75	Resp:	24319
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.6	55.8
77	31.7	25.0	37.4





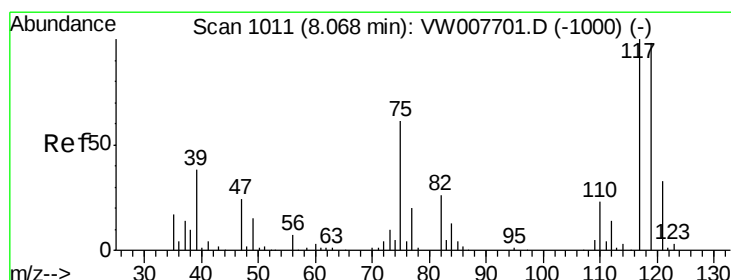
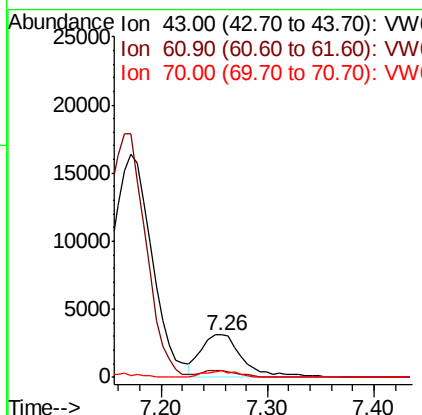
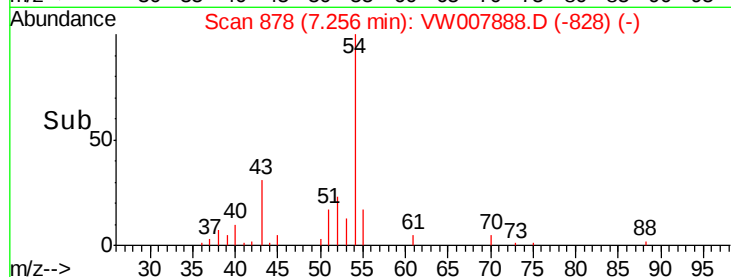
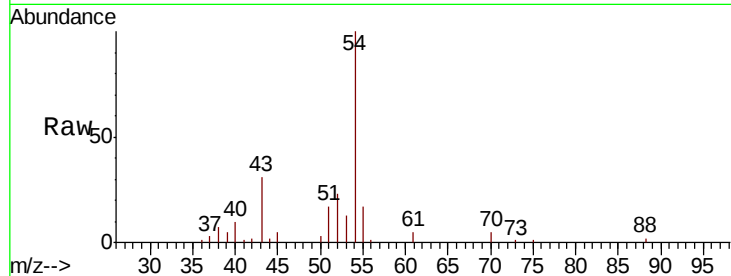
#37
Ethyl Acetate
Concen: 32.363 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	11.9	9.3	13.9

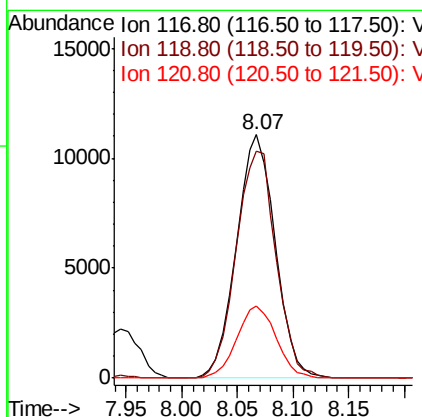
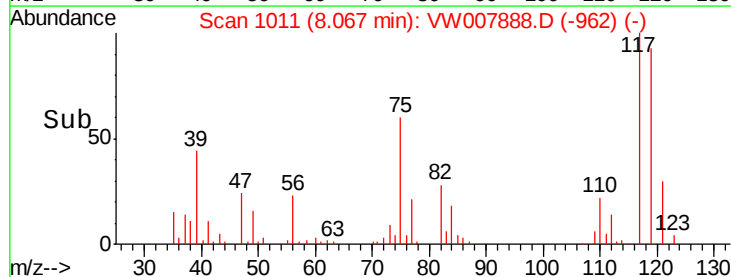
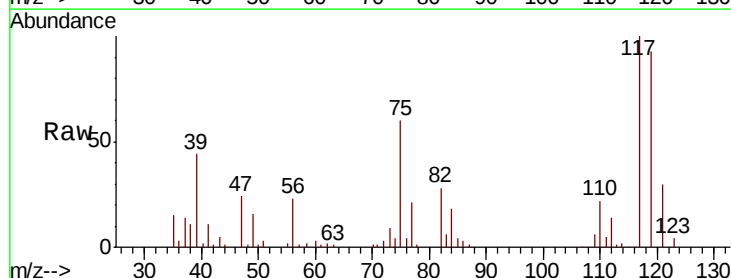
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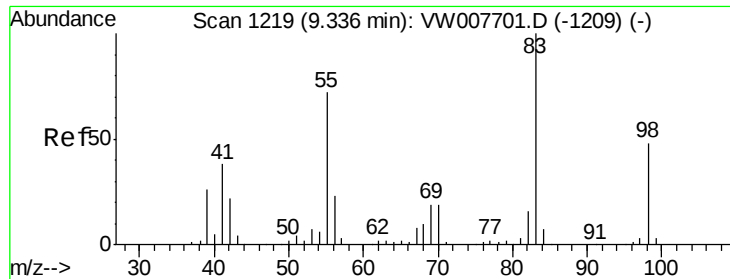
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#38
Carbon Tetrachloride
Concen: 29.929 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.2	117.2
121	29.8	26.1	39.1





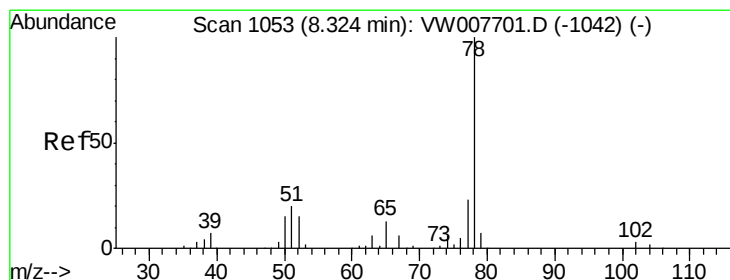
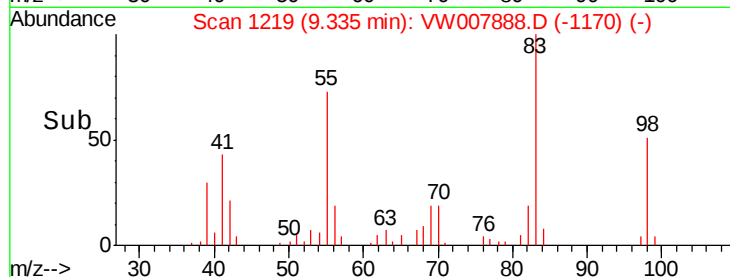
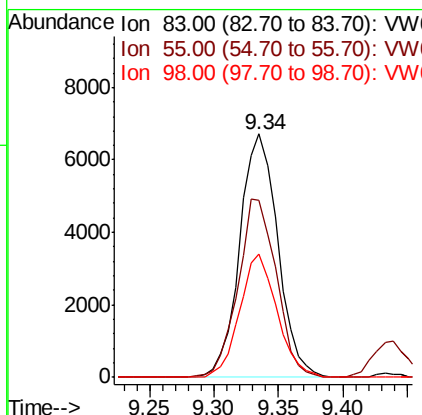
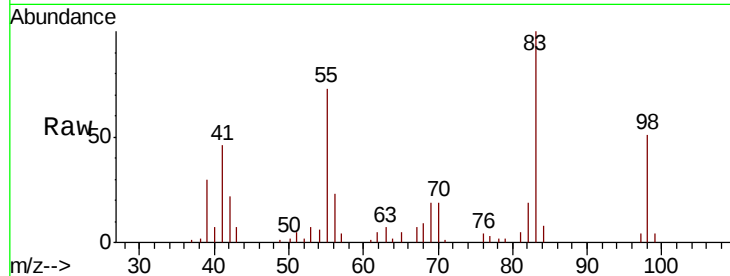
#39
Methvlcvclohexane
Concen: 14.560 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	57.2	85.8
98	50.6	38.6	58.0

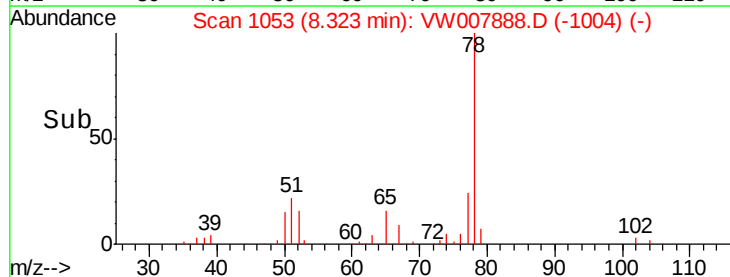
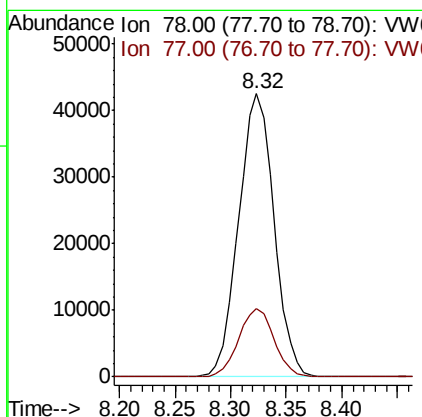
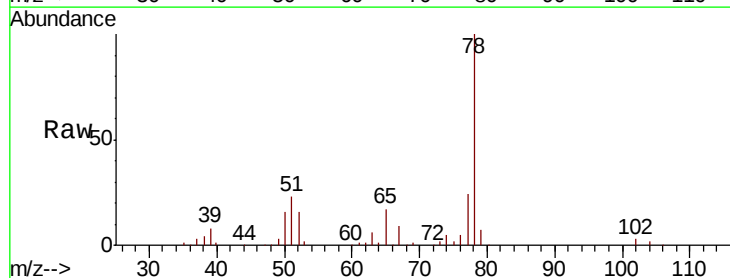
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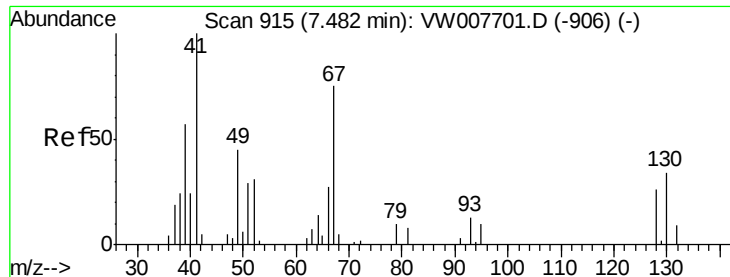
MMDadoda
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#40
Benzene
Concen: 46.378 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





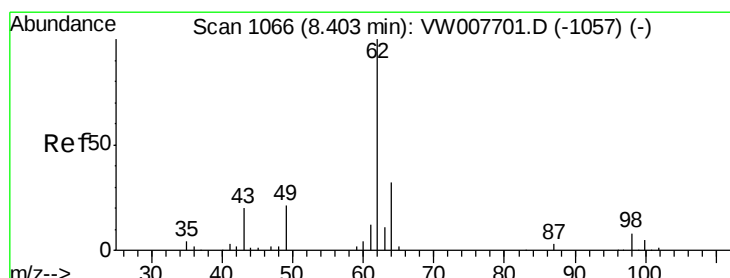
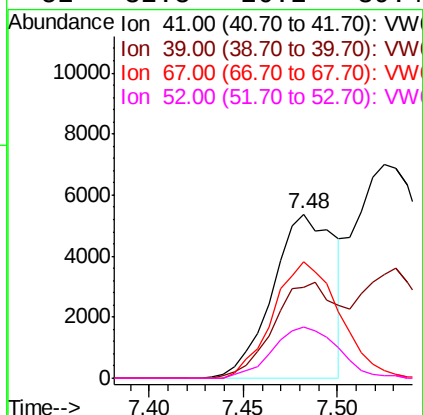
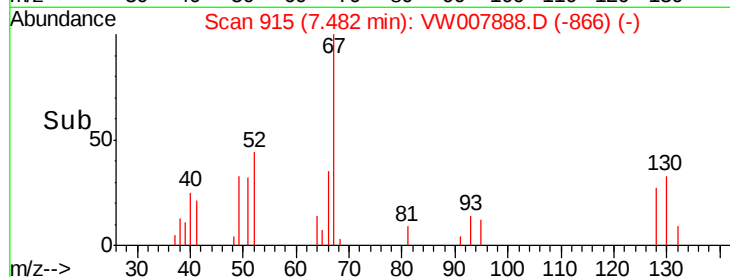
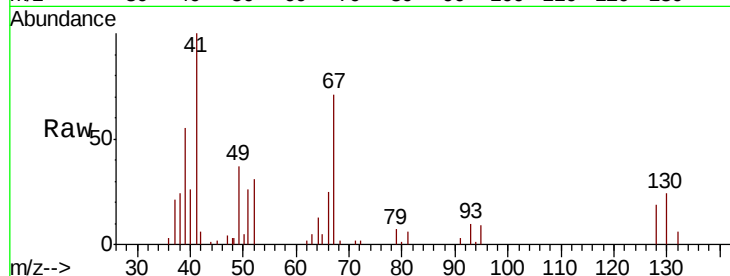
#41
Methacrylonitrile
Concen: 83.200 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion:	41	Resp:	12379
Ion	Ratio	Lower	Upper
41	100		
39	63.4	54.2	81.4
67	75.5	65.7	98.5
52	32.8	26.2	39.4

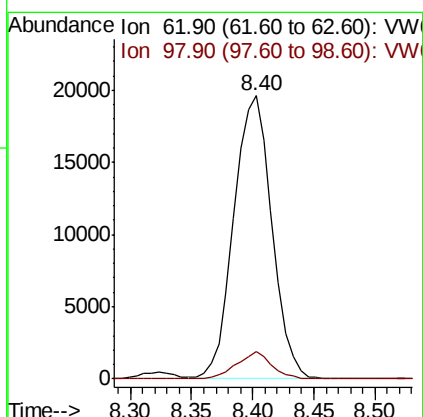
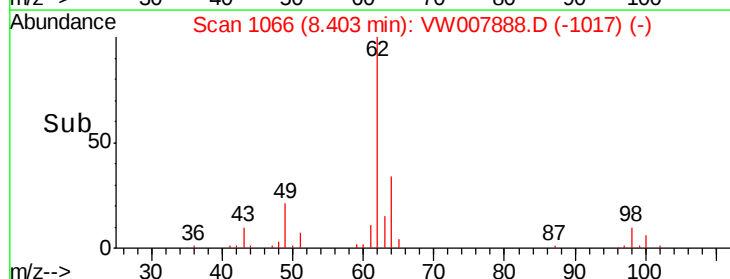
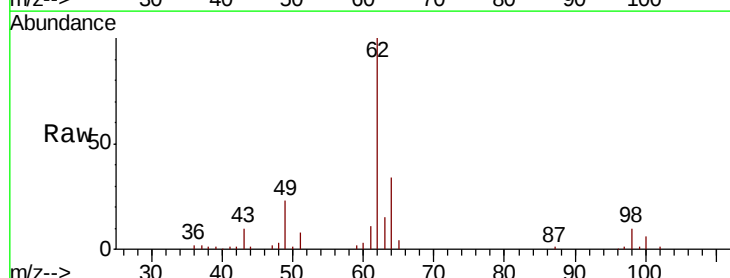
Manual Integrations
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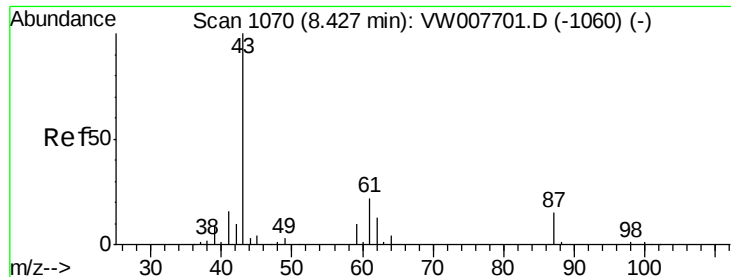
MMDadoda
12/26/2018 4:38:55 PM



#42
1,2-Dichloroethane
Concen: 62.406 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion:	62	Resp:	42377
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 34.939 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

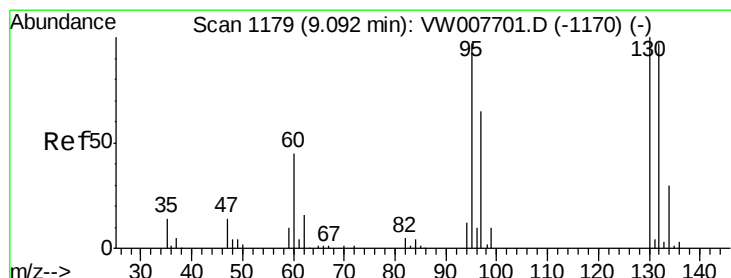
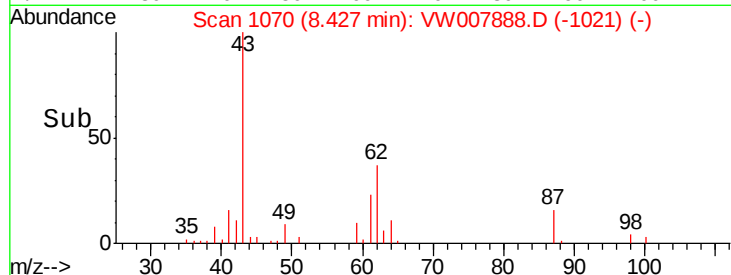
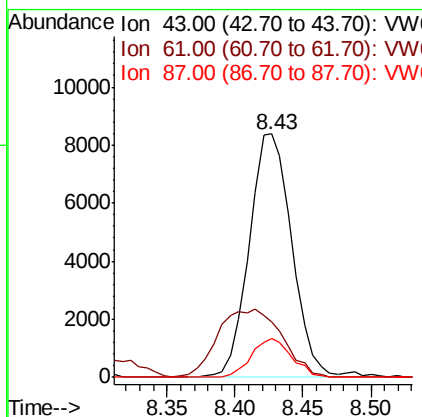
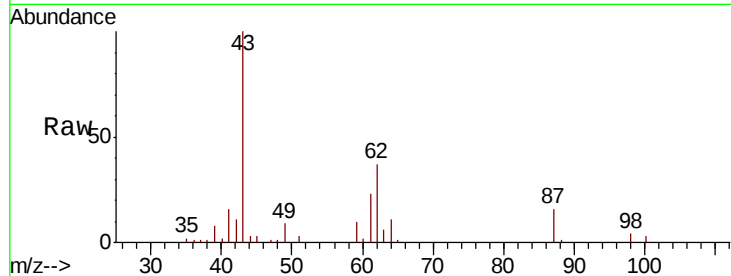
ClientSampleId :

P001-DS001-01MS

Tot Ion:	43	Resp:	18344
Ion	Ratio	Lower	Upper
43	100		
61	42.0	26.3	39.5#
87	14.9	12.0	18.0

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#44

Trichloroethene

Concen: 31.288 ug/l

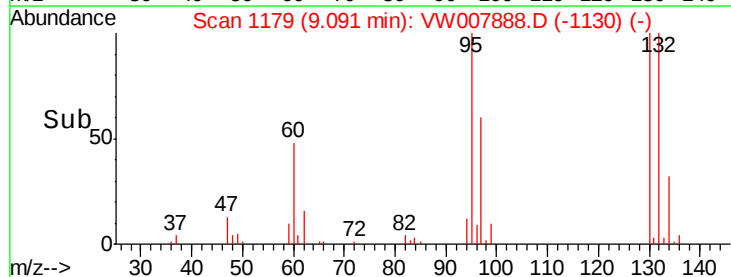
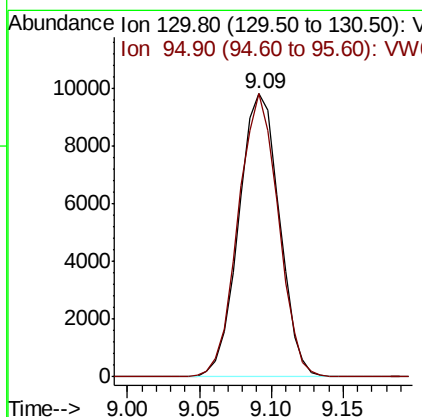
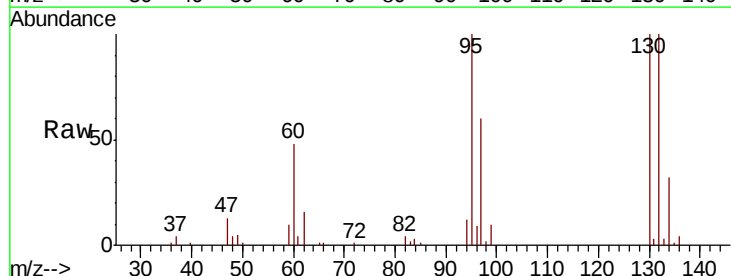
RT: 9.09 min Scan# 1179

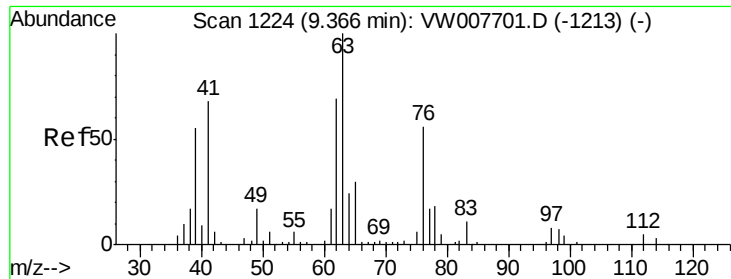
Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion:	130	Resp:	19173
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	194.8





#45

1,2-Dichloropropane

Concen: 56.878 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 63 Resp: 25573

Ion Ratio Lower Upper

63 100

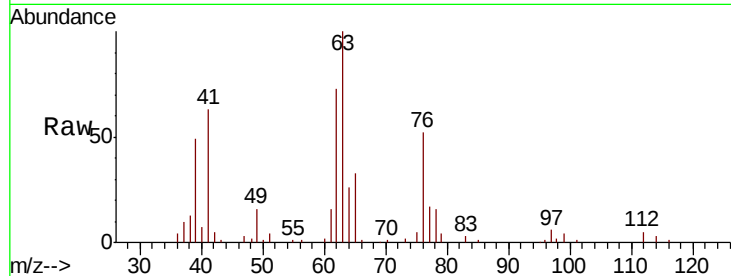
65 32.9 23.8 35.8

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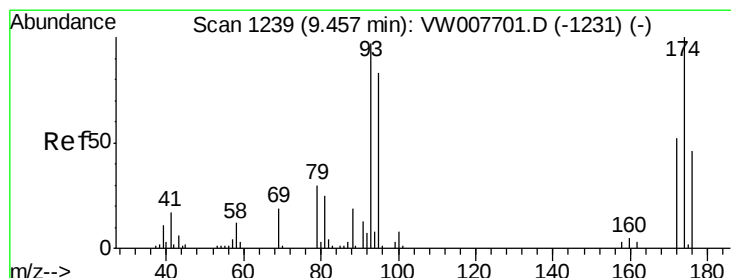
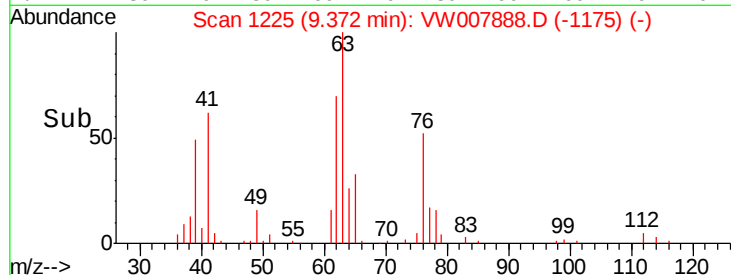
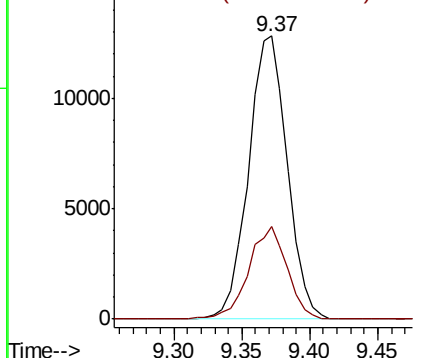
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 56.292 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

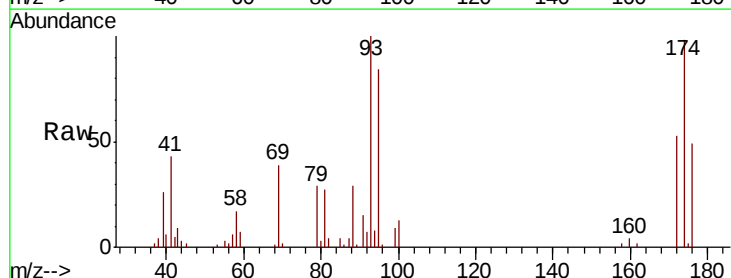
Tgt Ion: 93 Resp: 15580

Ion Ratio Lower Upper

93 100

95 81.4 67.5 101.3

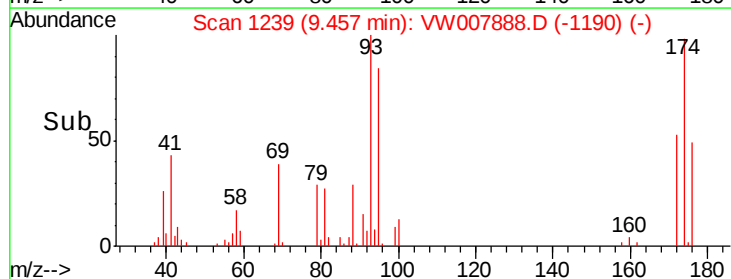
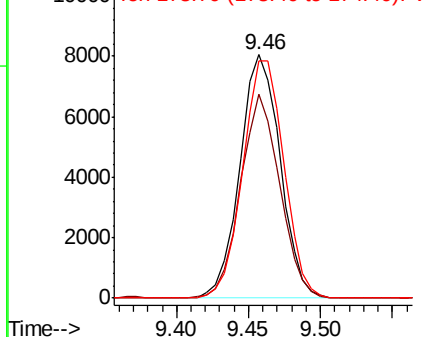
174 99.8 83.9 125.9

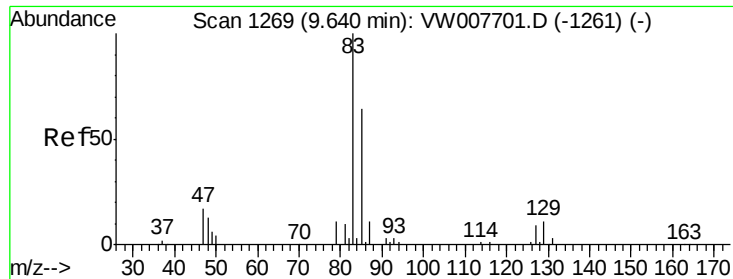


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





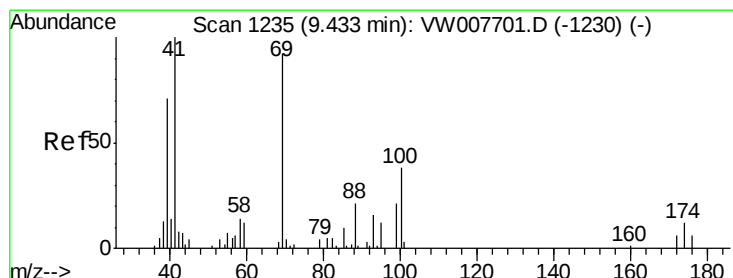
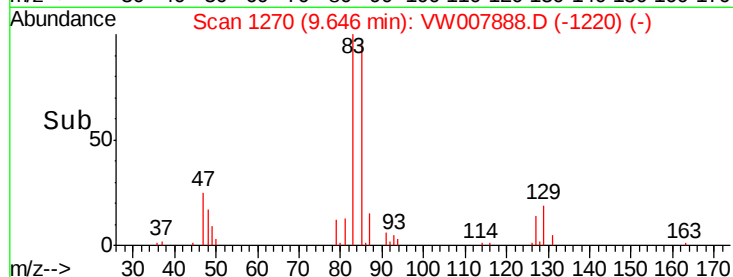
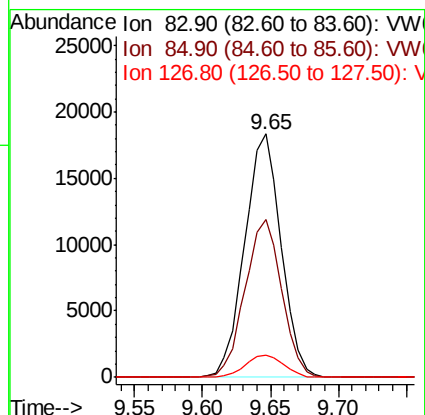
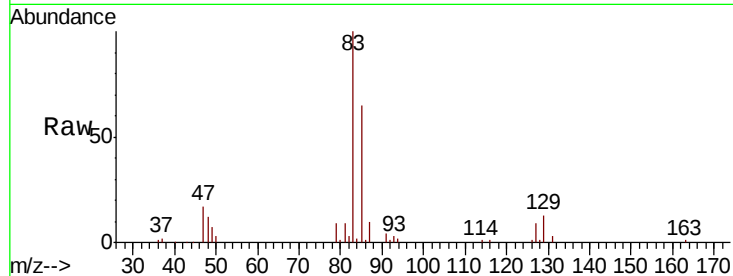
#47
Bromodichloromethane
Concen: 47.352 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	83	Resp	34454
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.4	77.0
127	9.4	7.5	11.3

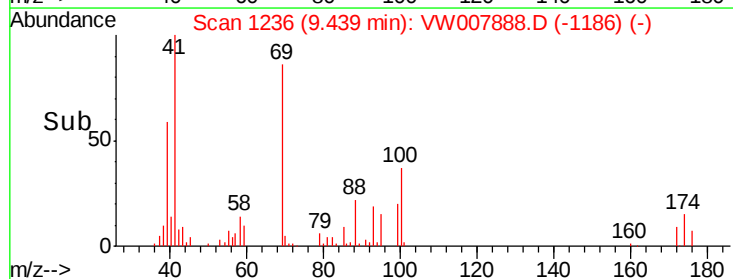
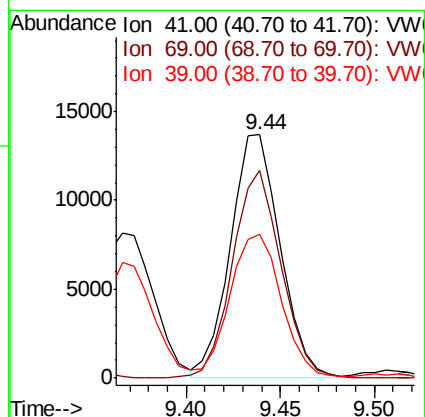
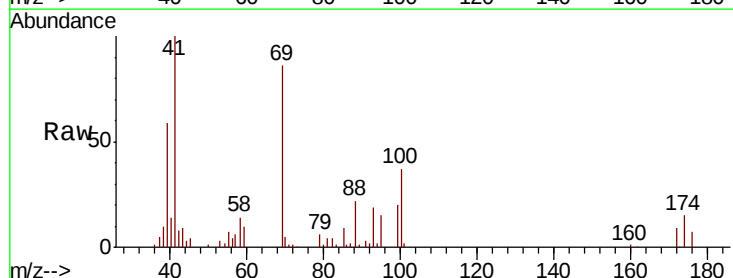
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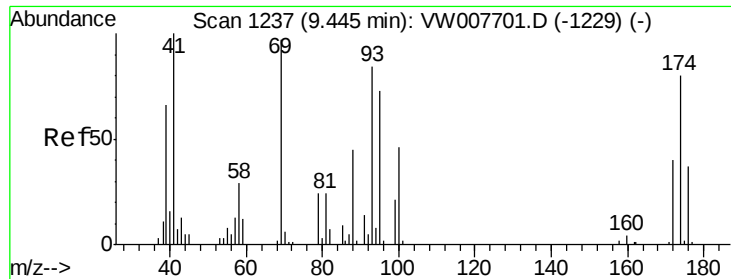
MMDadoda
12/26/2018 4:38:55 PM



#48
Methyl methacrylate
Concen: 96.227 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion	41	Resp	25218
Ion Ratio	100	Lower	Upper
41	100		
69	83.2	74.2	111.2
39	61.4	53.9	80.9





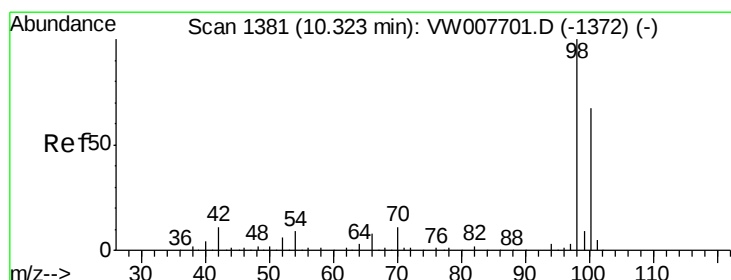
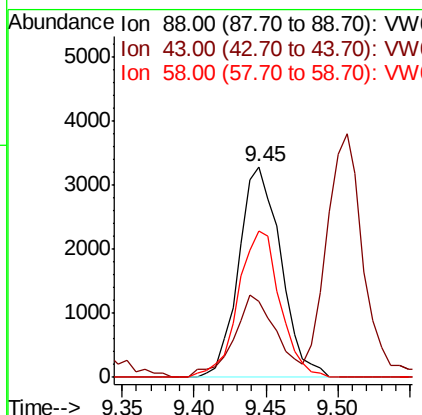
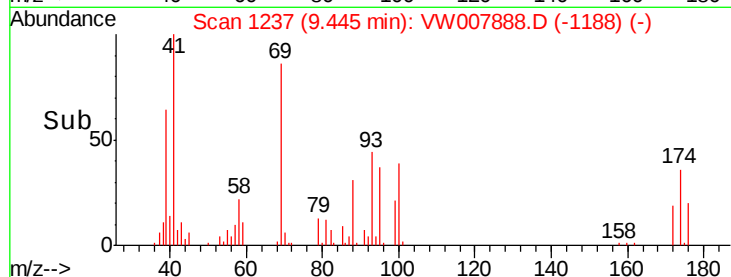
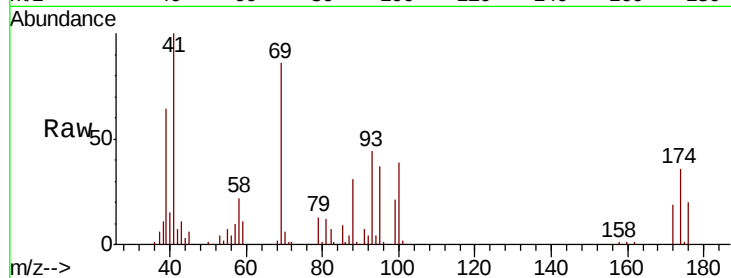
#49
 1,4-Dioxane
 Concen: 1515.466 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tot Ion	88	Resp	6650
Ion Ratio	100	Lower	Upper
88	100		
43	39.8	25.6	38.4#
58	69.4	52.3	78.5

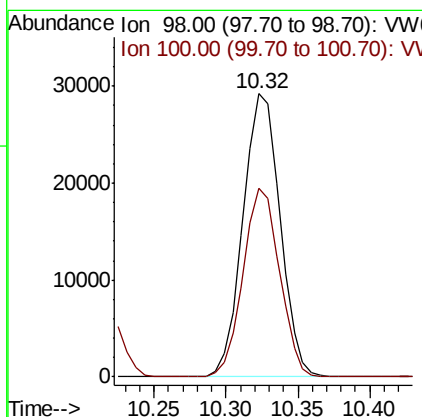
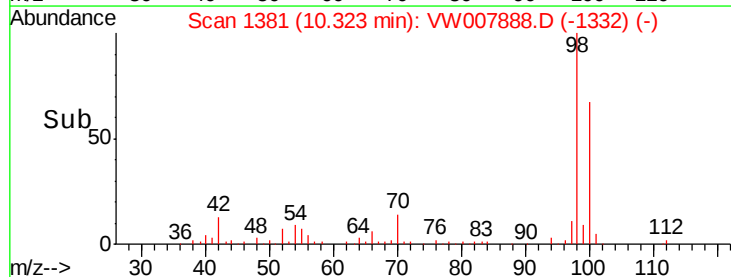
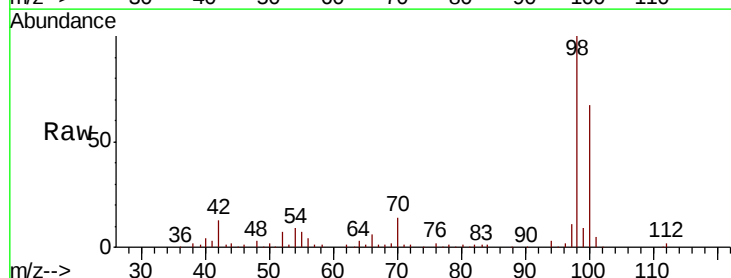
Manual Integrations
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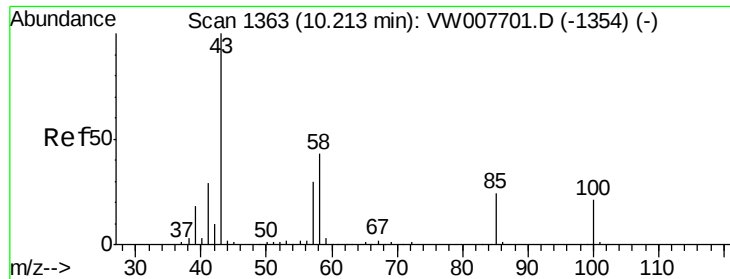
MMDadoda
 12/26/2018 4:38:55 PM



#50
 Toluene-d8
 Concen: 28.815 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Tgt Ion	98	Resp	52136
Ion Ratio	100	Lower	Upper
98	100		
100	65.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 367.079 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 43 Resp: 91082

Ion Ratio Lower Upper

43 100

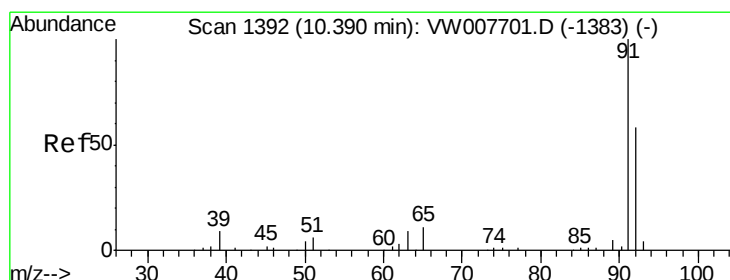
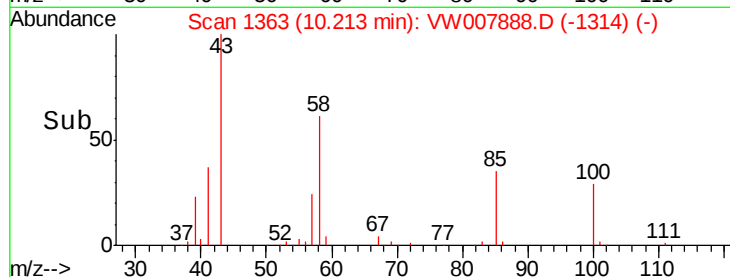
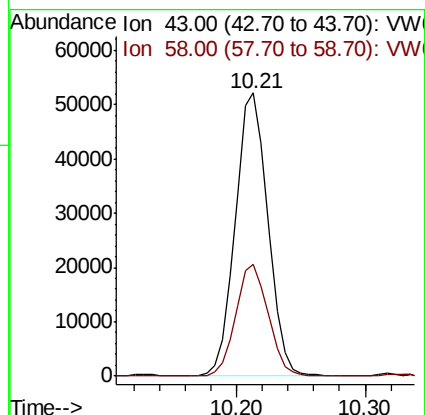
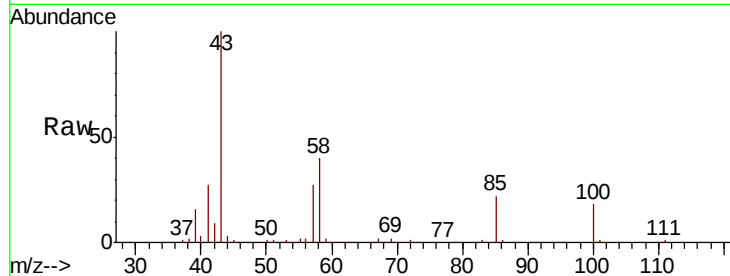
58 39.5 33.2 49.8

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12/26/2018 4:38:55 PM



#52

Toluene

Concen: 35.180 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007888.D

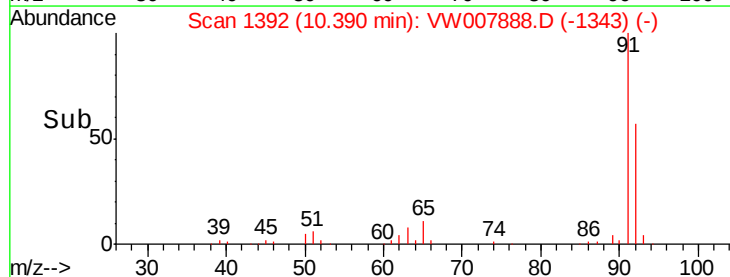
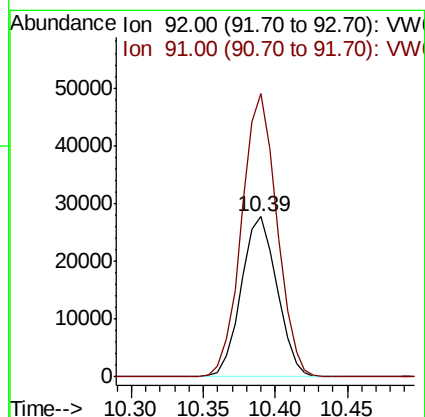
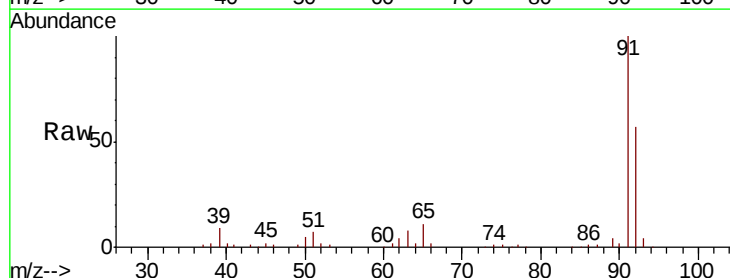
Acq: 24 Dec 2018 14:59

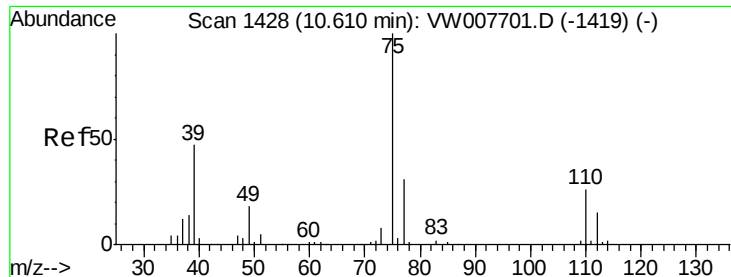
Tgt Ion: 92 Resp: 47828

Ion Ratio Lower Upper

92 100

91 173.7 137.0 205.4





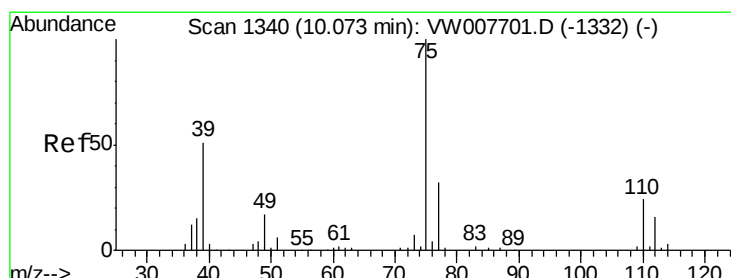
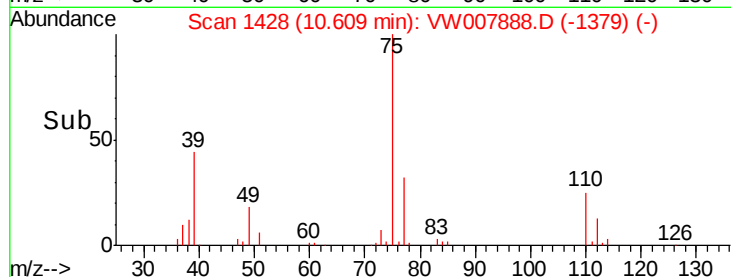
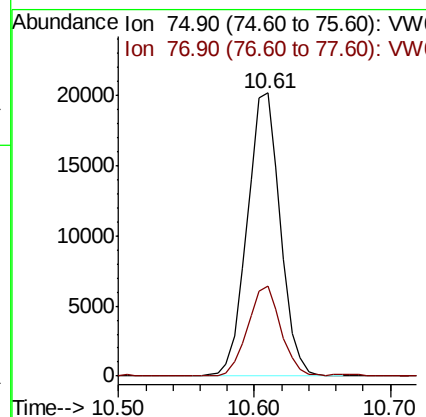
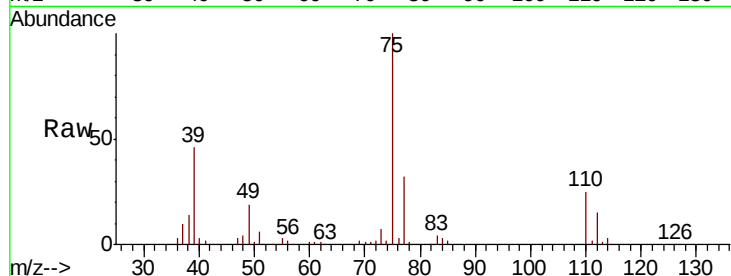
#53
t-1,3-Dichloropropene
Concen: 47.411 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion: 75 Resp: 34313
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

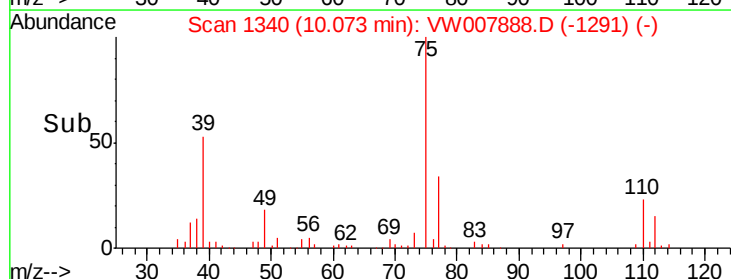
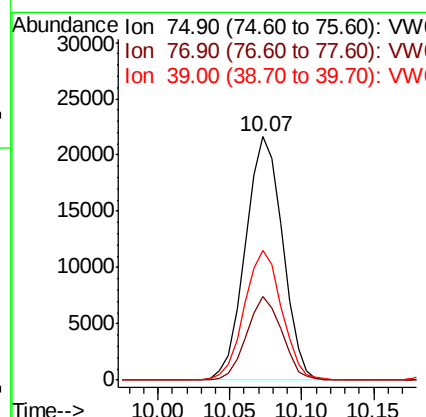
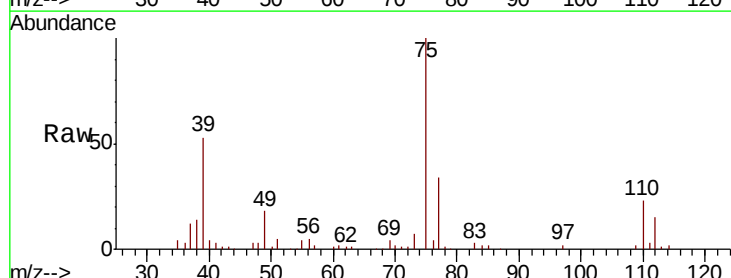
Manual Integrations
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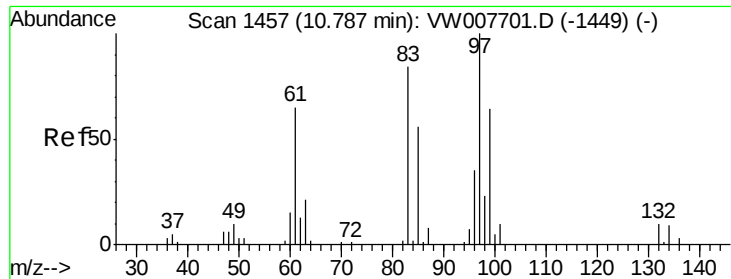
MMDadoda
12/26/2018 4:38:55 PM



#54
cis-1,3-Dichloropropene
Concen: 48.371 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion: 75 Resp: 38668
Ion Ratio Lower Upper
75 100
77 34.1 25.5 38.3
39 53.2 41.2 61.8





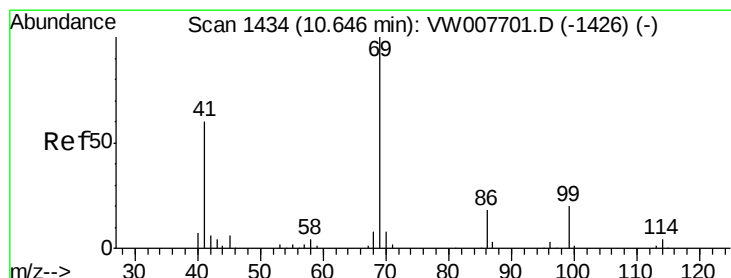
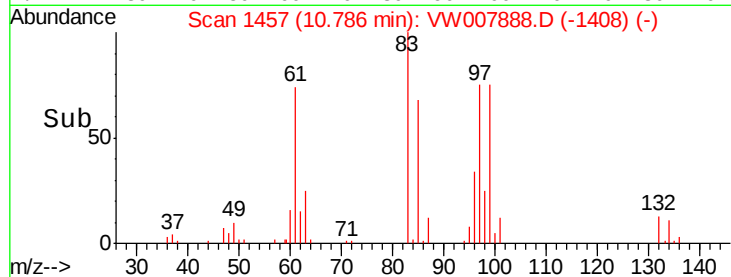
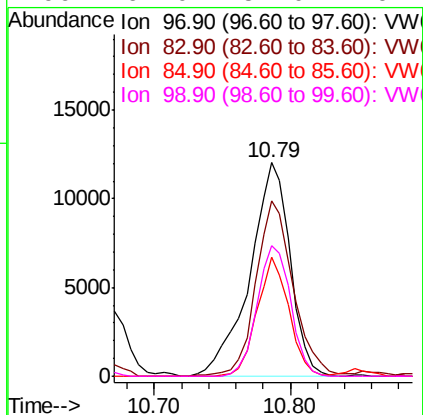
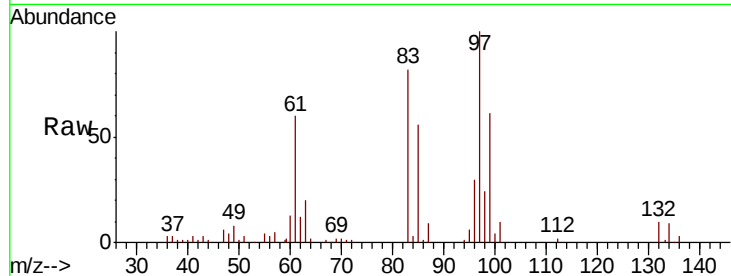
#55
 1,1,2-Trichloroethane
 Concen: 65.532 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tot Ion:	97	Resp:	25004
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.5	101.3
85	55.5	44.8	67.2
99	61.0	51.0	76.4

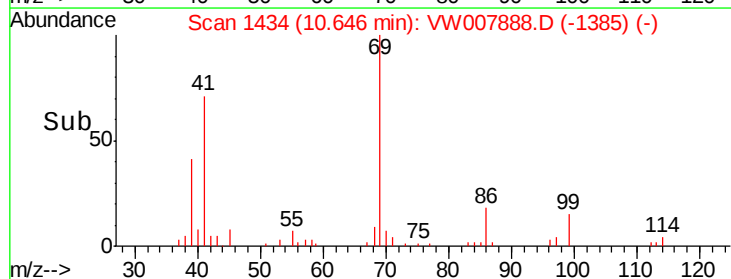
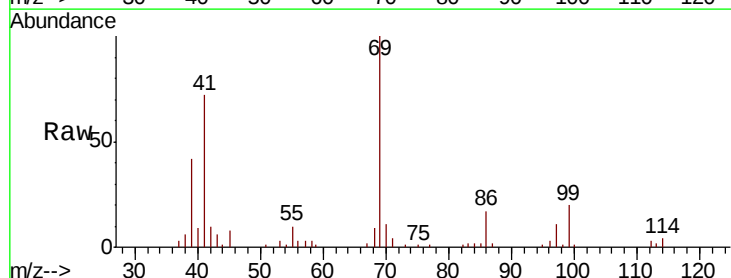
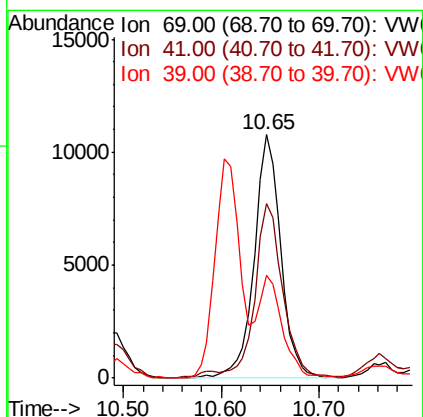
Manual Integrations
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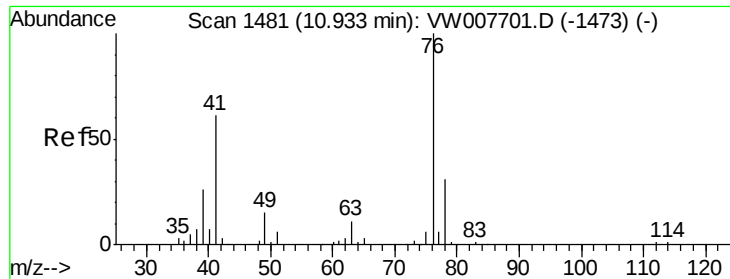
MMDadoda
 12/26/2018 4:38:55 PM



#56
 Ethyl methacrylate
 Concen: 45.347 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Tgt Ion:	69	Resp:	20443
Ion	Ratio	Lower	Upper
69	100		
41	72.8	48.9	73.3
39	35.3	31.3	46.9





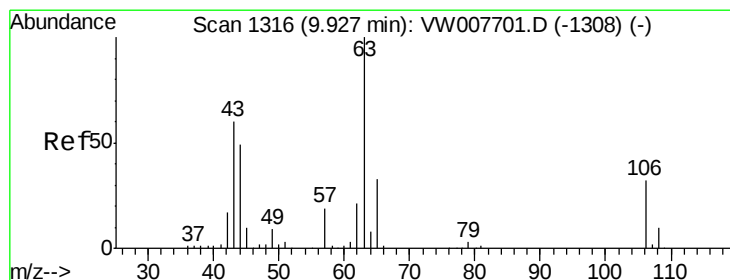
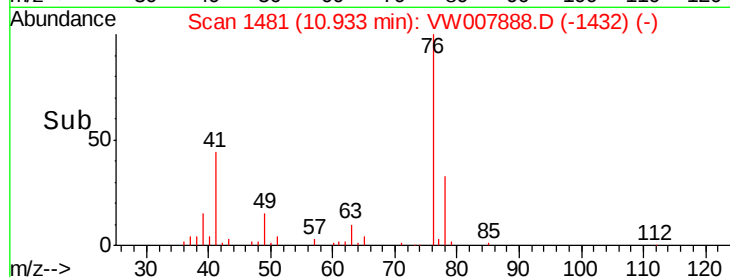
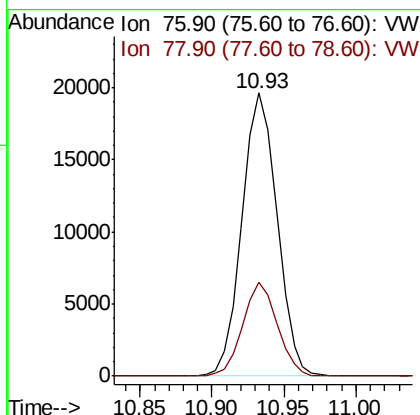
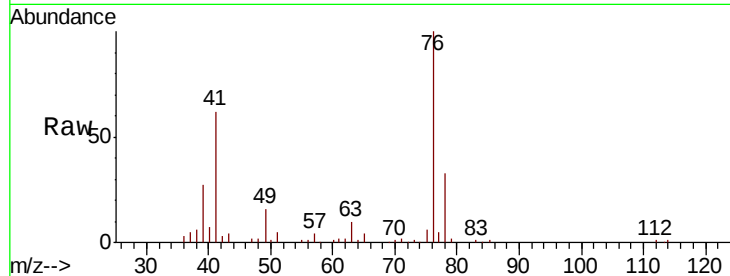
#57
 1,3-Dichloropropane
 Concen: 52.462 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tot Ion: 76 Resp: 33239
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2

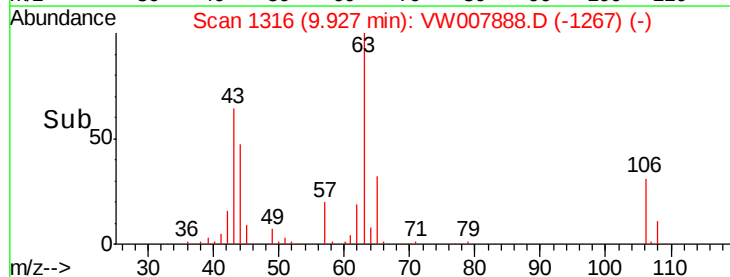
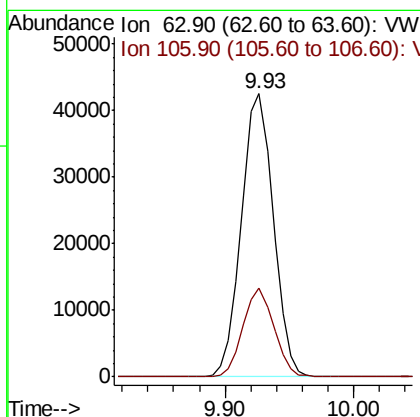
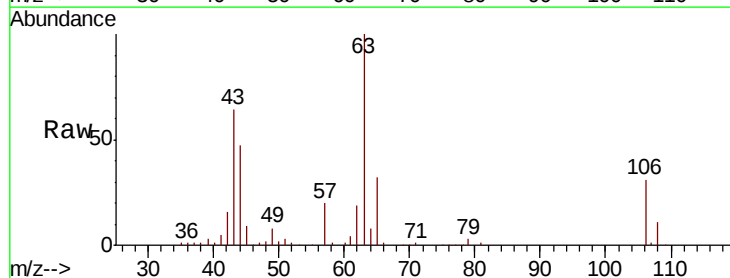
Manual Integrations
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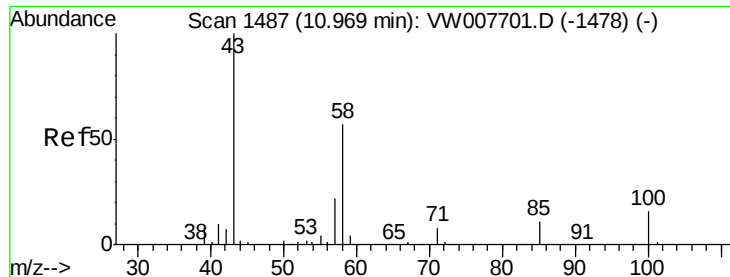
MMDadoda
 12/26/2018 4:38:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 354.653 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Tgt Ion: 63 Resp: 72997
 Ion Ratio Lower Upper
 63 100
 106 30.4 25.9 38.9





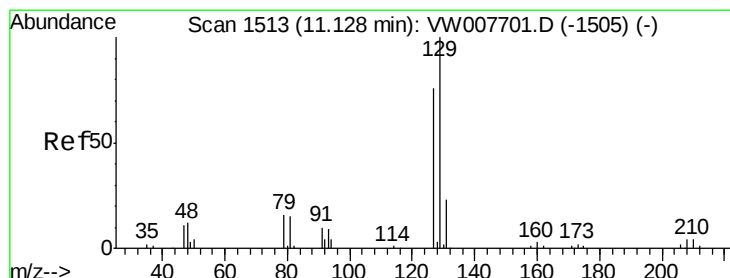
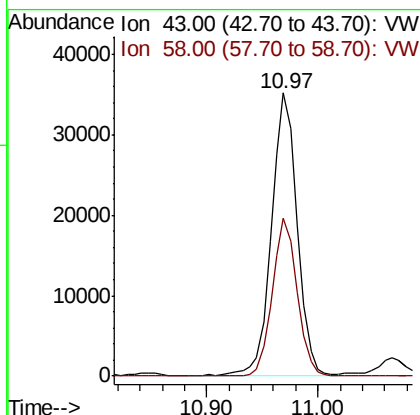
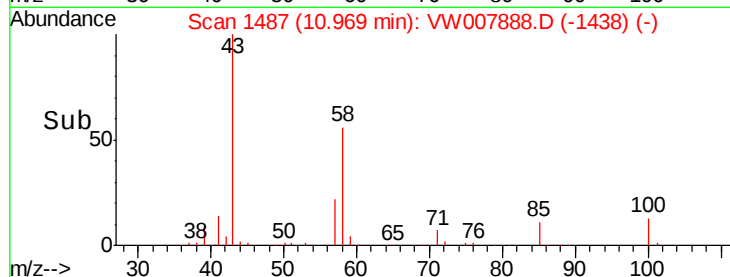
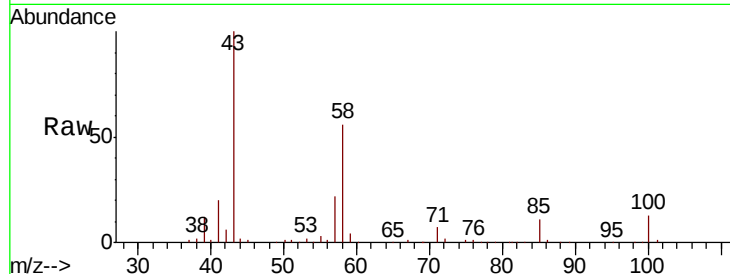
#59
2-Hexanone
Concen: 325.519 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion: 43 Resp: 56803
Ion Ratio Lower Upper
43 100
58 53.6 27.7 83.1

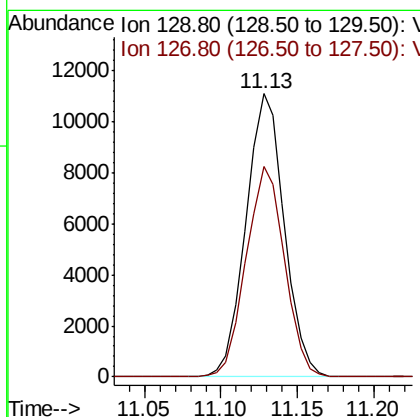
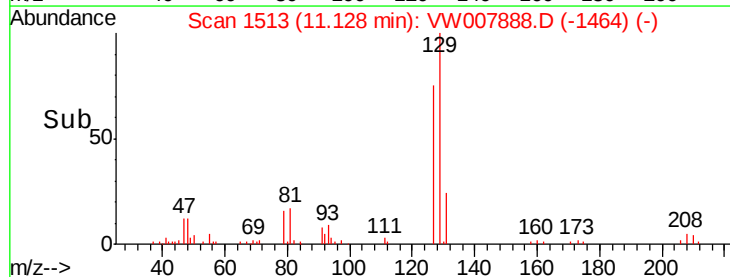
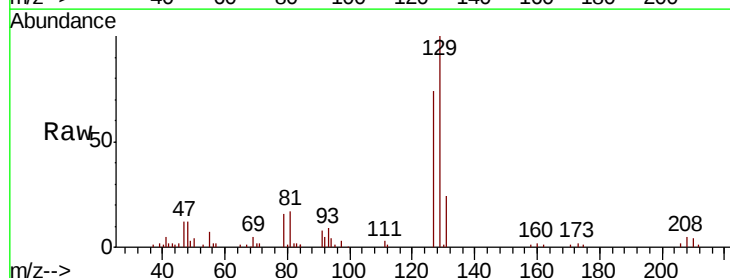
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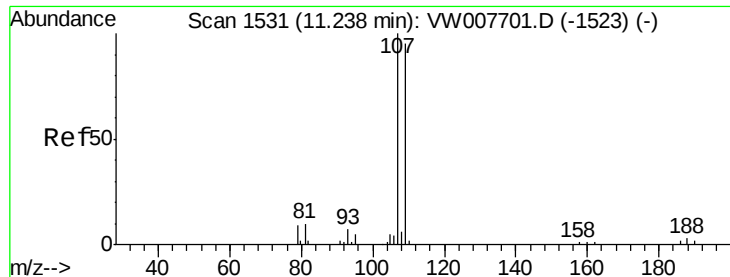
MMDadoda
12/26/2018 4:38:55 PM



#60
Dibromochloromethane
Concen: 38.234 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion: 129 Resp: 19316
Ion Ratio Lower Upper
129 100
127 74.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 42.649 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 107 Resp: 16479

Ion Ratio Lower Upper

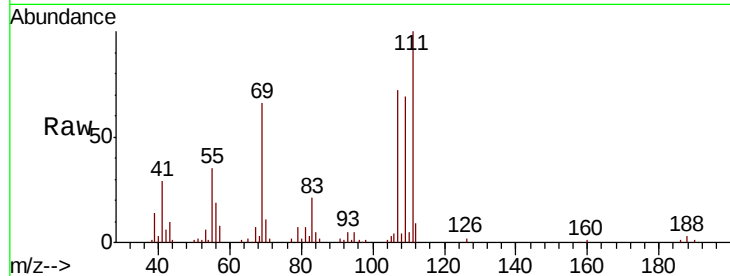
107 100

109 95.7 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

10000

8000

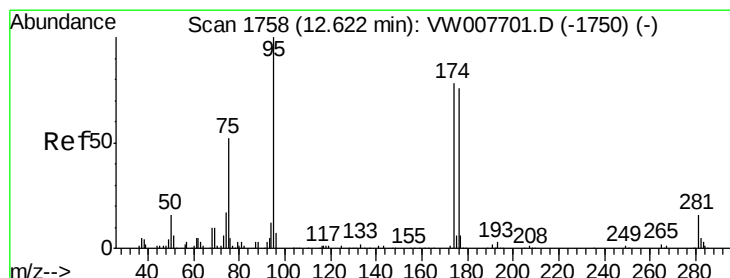
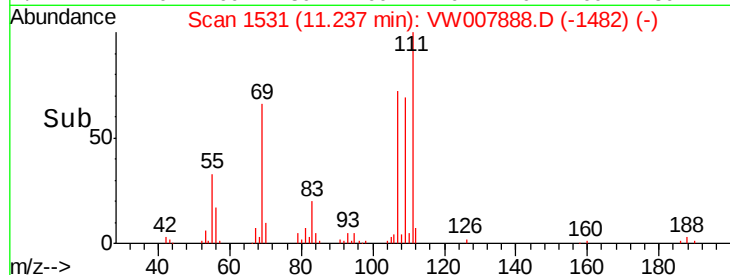
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 18.191 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

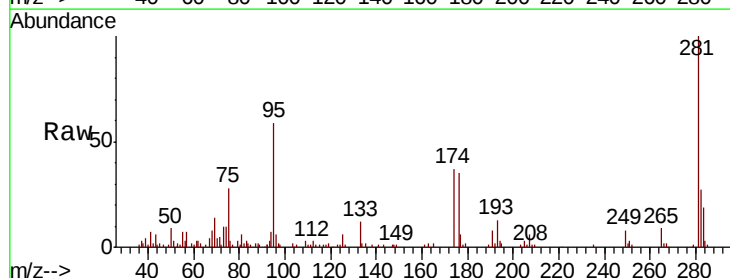
Tgt Ion: 95 Resp: 12715

Ion Ratio Lower Upper

95 100

174 64.3 0.0 152.2

176 64.8 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

10000

8000

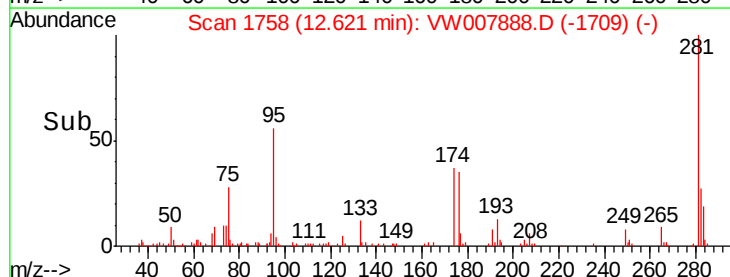
6000

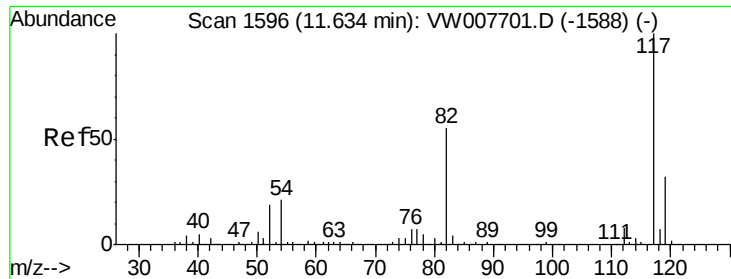
4000

2000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

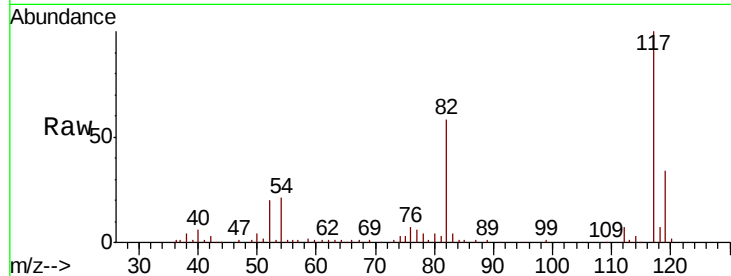
ClientSampleId :

P001-DS001-01MS

Tot Ion:	117	Resp:	34490
Ion	Ratio	Lower	Upper
117	100		
82	58.3	44.3	66.5
119	33.5	25.7	38.5

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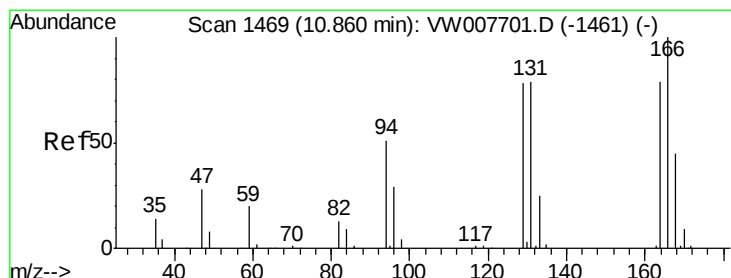
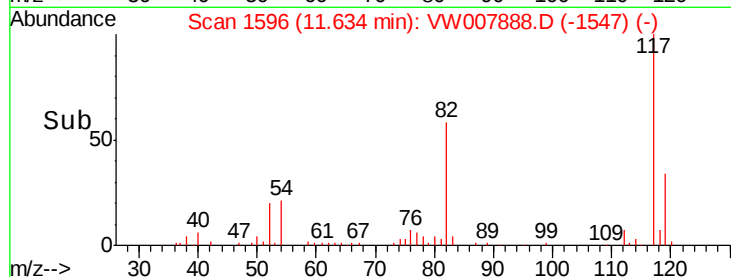
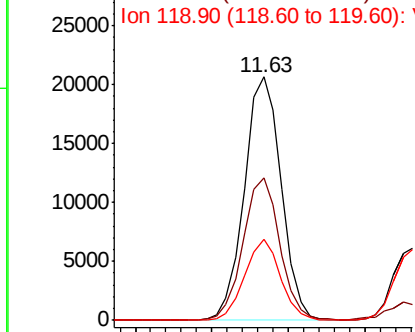


Abundance

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: 31.409 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion:	164	Resp:	7671
Ion	Ratio	Lower	Upper
164	100		
166	119.3	101.0	151.6
129	91.7	78.7	118.1
131	91.3	79.4	119.0

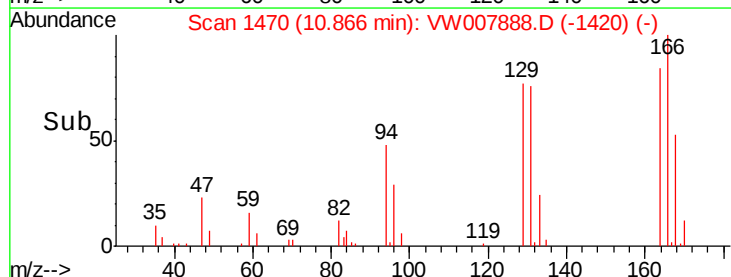
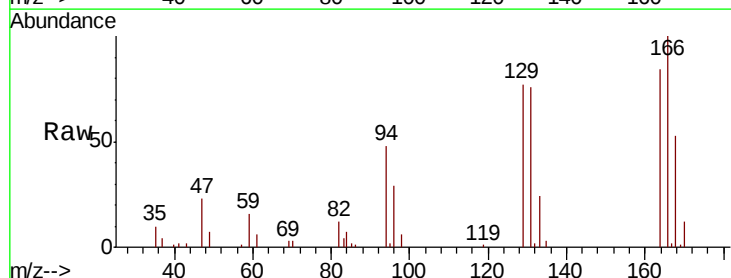
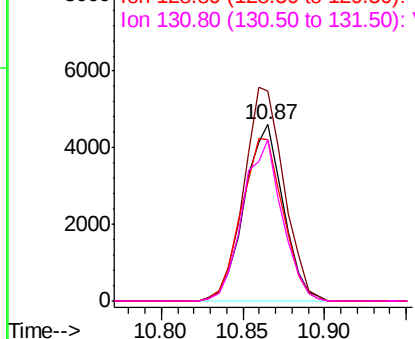
Abundance

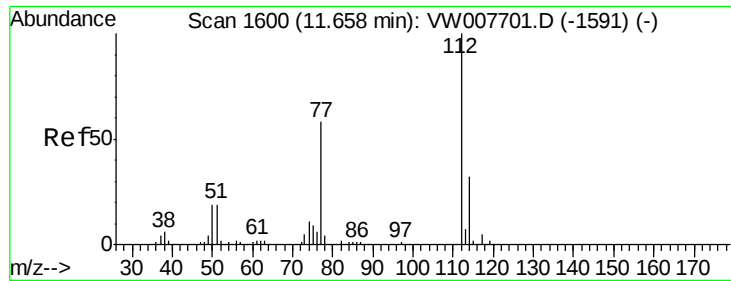
Ion 163.80 (163.50 to 164.50): V

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





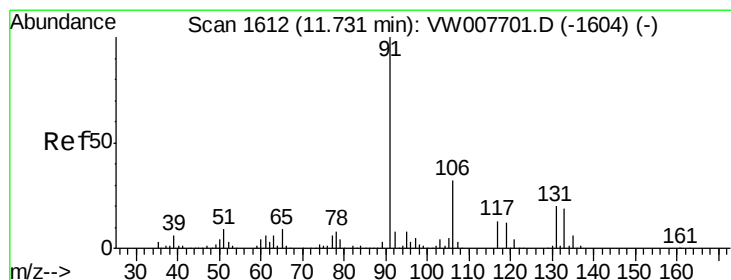
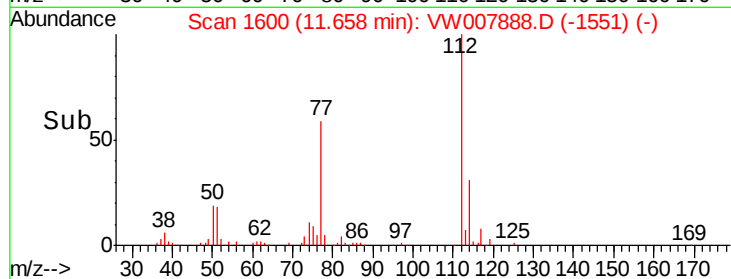
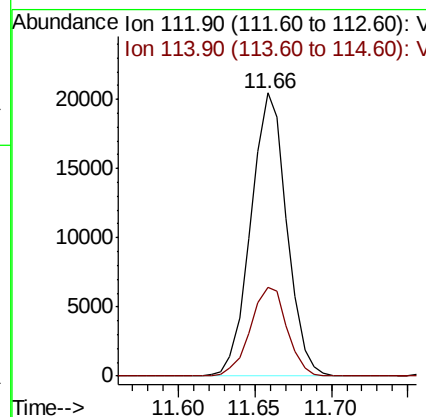
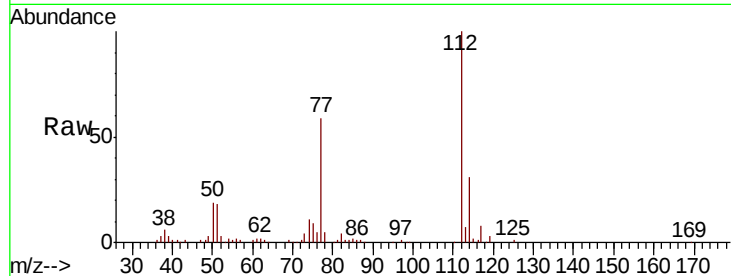
#65
Chlorobenzene
Concen: 44.782 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion:112 Resp: 33430
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8

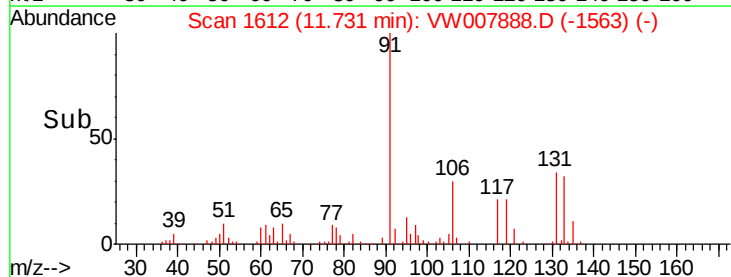
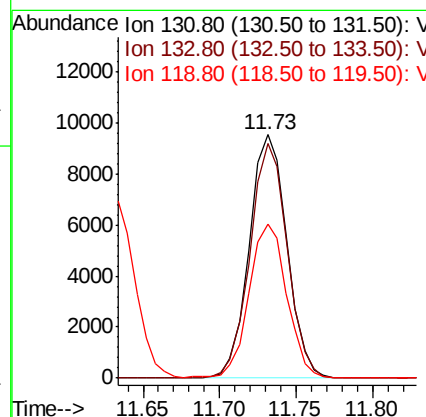
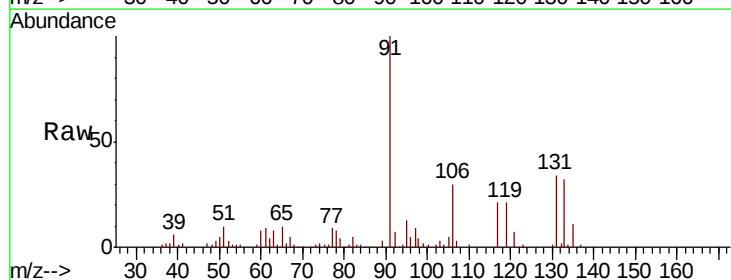
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#66
1,1,1,2-Tetrachloroethane
Concen: 61.295 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion:131 Resp: 16350
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.5
119 63.6 30.2 90.6





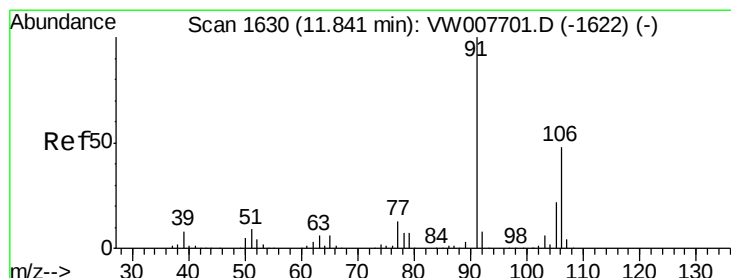
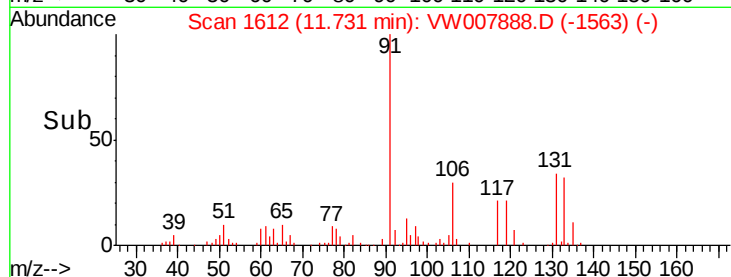
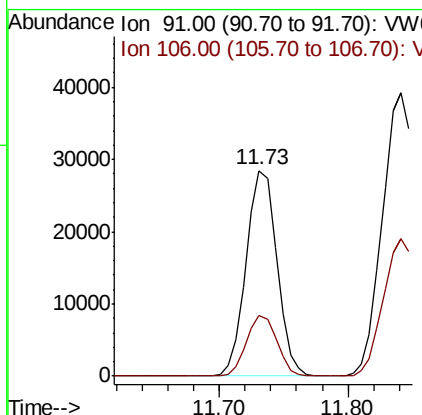
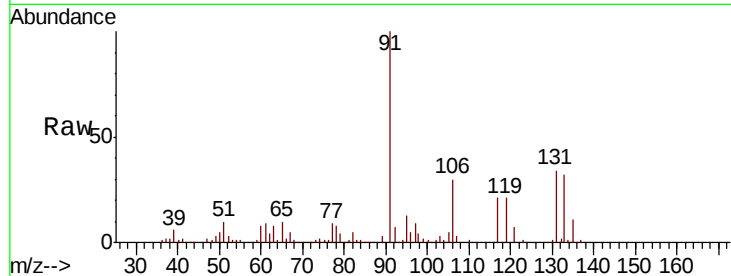
#67
Ethyl Benzene
Concen: 36.755 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion: 91 Resp: 47084
Ion Ratio Lower Upper
91 100
106 29.7 25.8 38.8

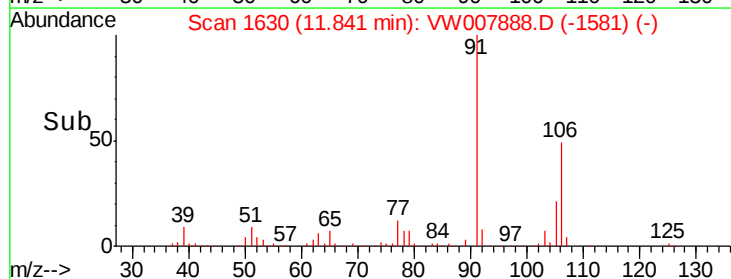
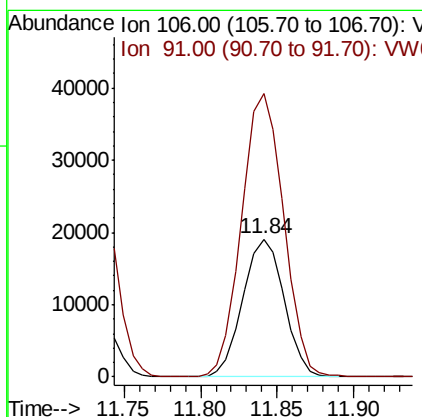
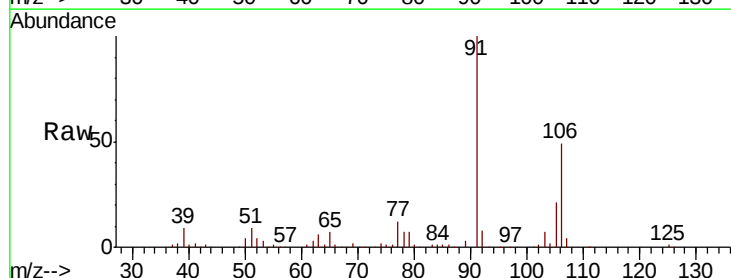
Manual Integrations
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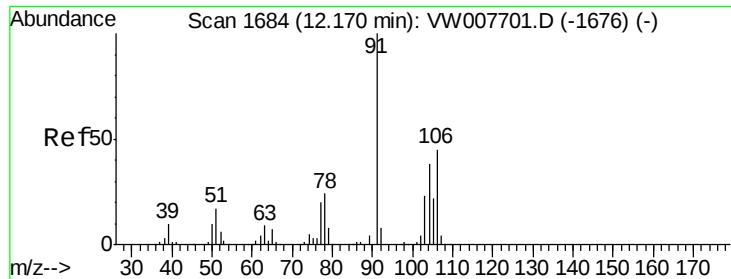
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#68
m/p-Xylenes
Concen: 72.259 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion: 106 Resp: 35907
Ion Ratio Lower Upper
106 100
91 209.5 165.2 247.8





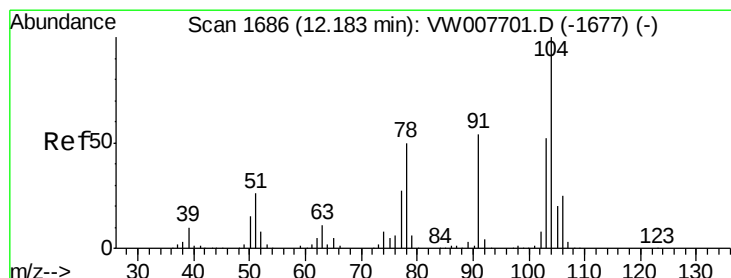
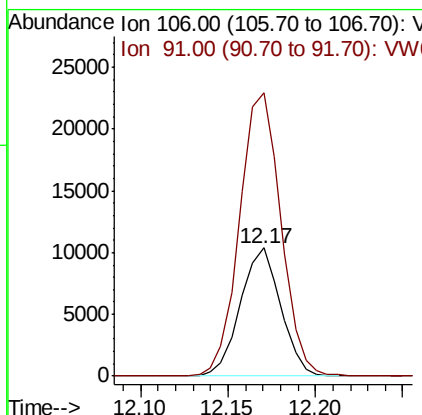
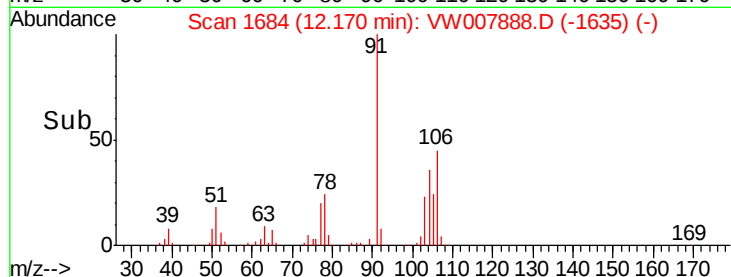
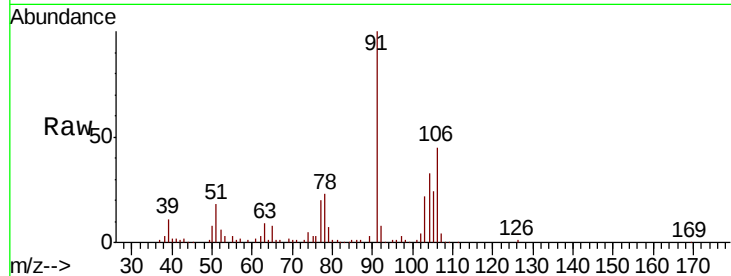
#69
o-Xylene
Concen: 35.698 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion:106 Resp: 16628
Ion Ratio Lower Upper
106 100
91 226.7 110.5 331.4

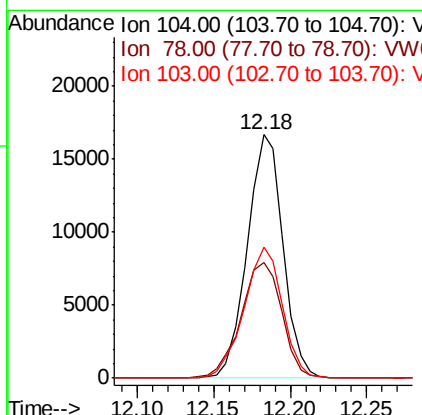
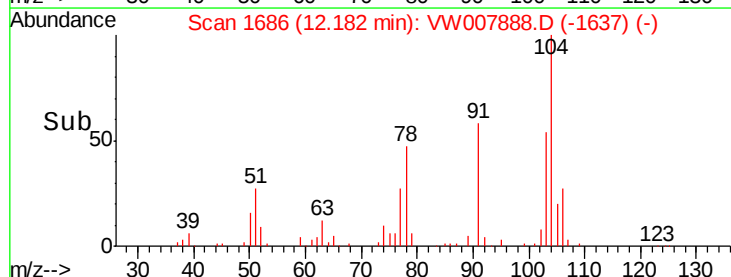
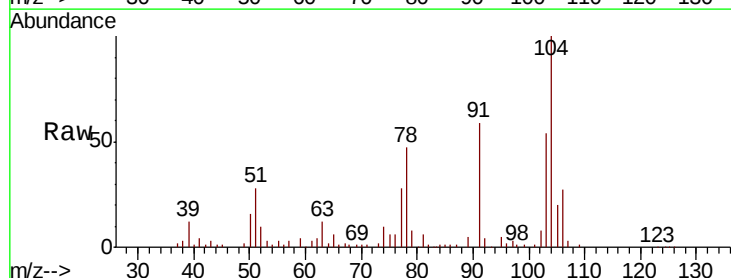
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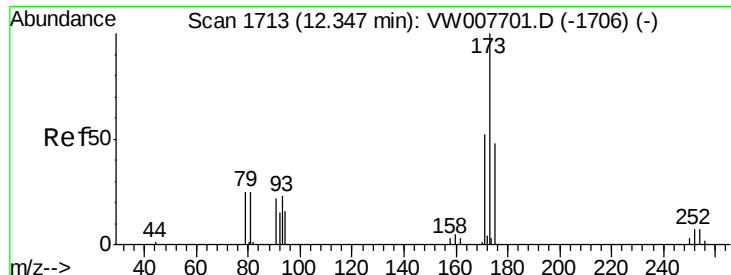
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#70
Styrene
Concen: 35.361 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion:104 Resp: 27075
Ion Ratio Lower Upper
104 100
78 54.4 43.4 65.0
103 57.9 44.5 66.7





#71

Bromoform

Concen: 57.232 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion:173 Resp: 7925

Ion Ratio Lower Upper

173 100

175 48.8 23.9 71.7

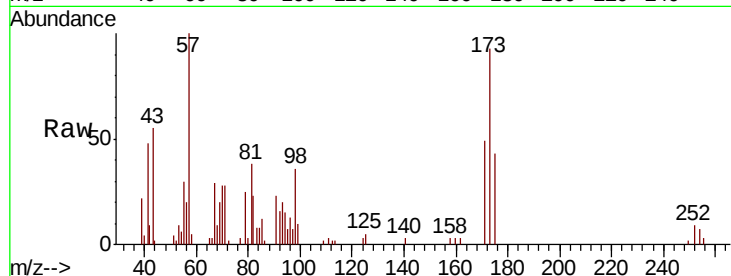
254 0.0 0.0 0.0

Manual Integrations

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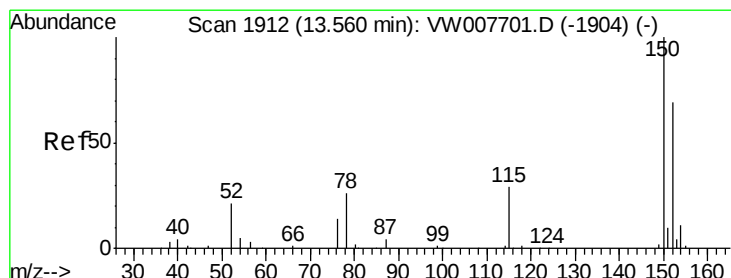
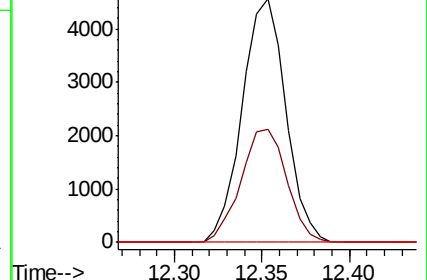
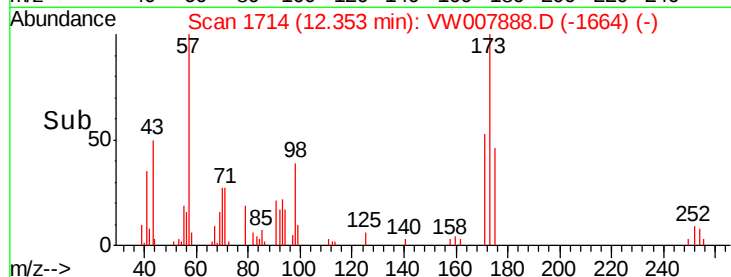
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

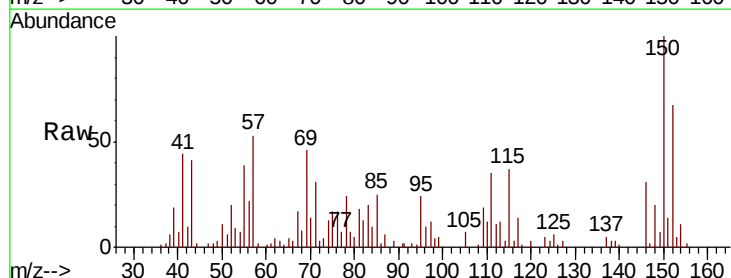
Tgt Ion:152 Resp: 8534

Ion Ratio Lower Upper

152 100

115 56.7 31.8 95.4

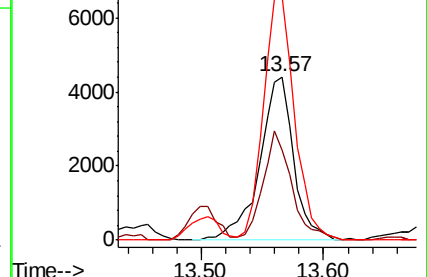
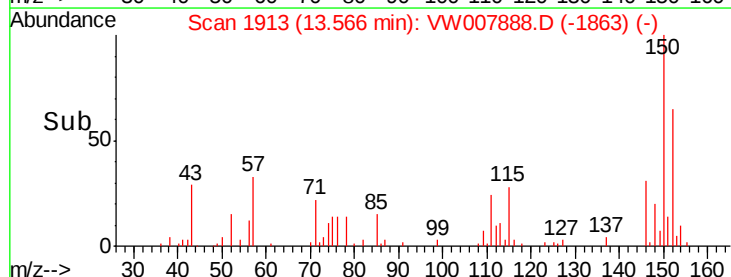
150 136.6 0.0 350.8

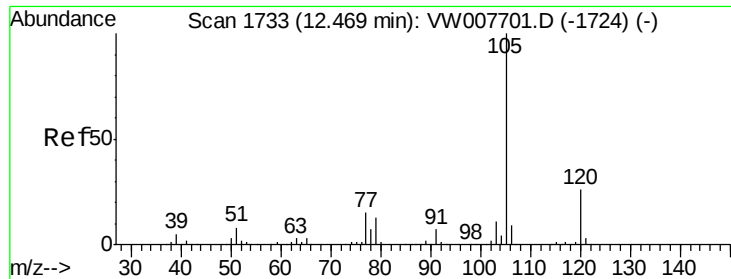


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.025 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 105 Resp: 32270

Ion Ratio Lower Upper

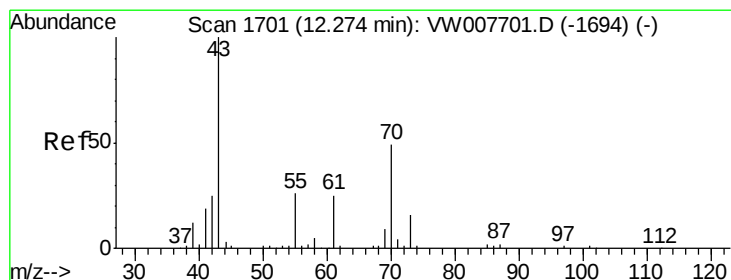
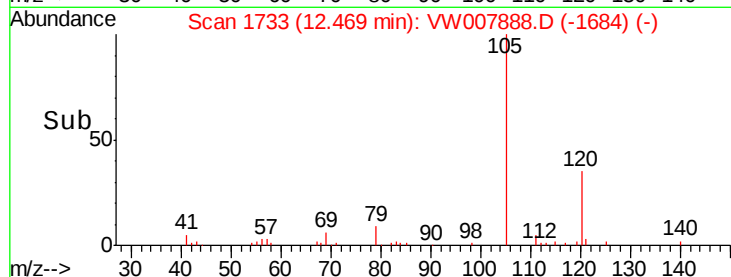
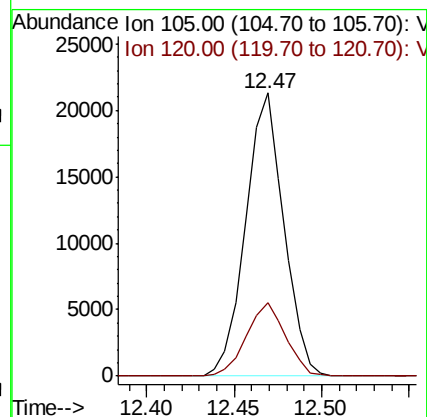
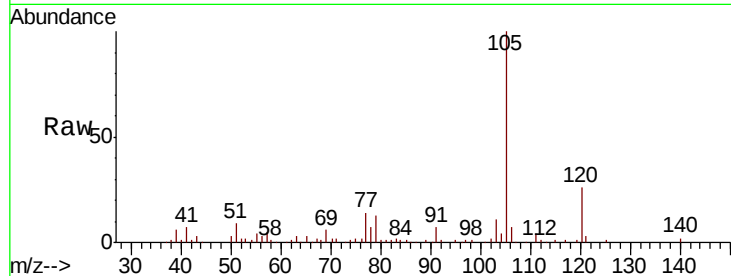
105 100

120 26.5 13.1 39.3

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#74

N-ethyl acetate

Concen: 32.970 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion: 43 Resp: 3684

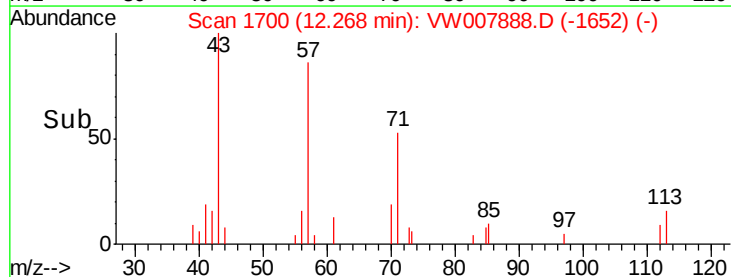
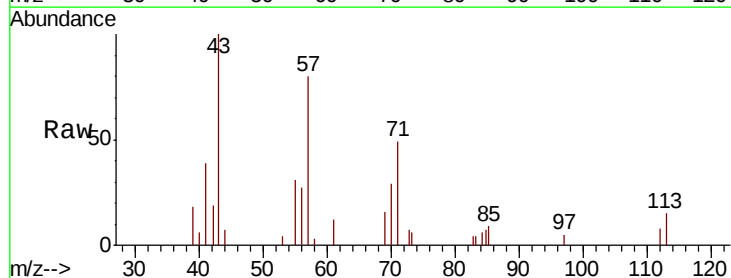
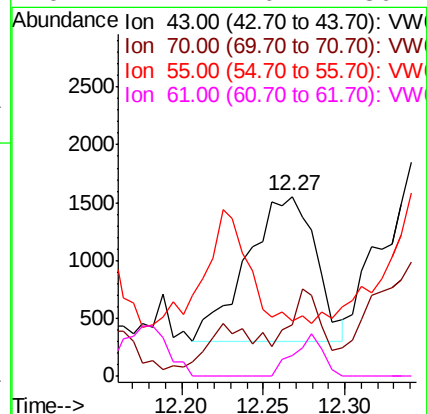
Ion Ratio Lower Upper

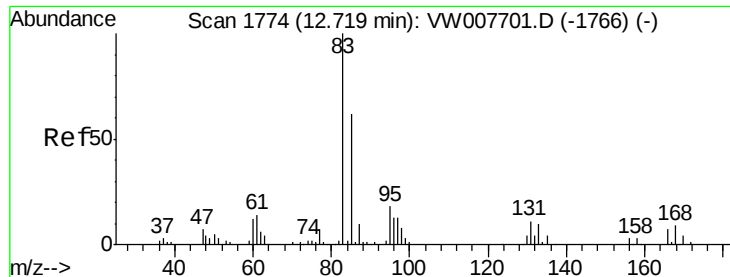
43 100

70 16.0 37.6 56.4#

55 0.0 21.7 32.5#

61 12.2 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 175.685 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

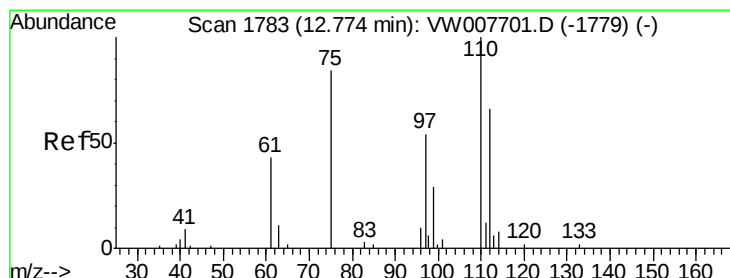
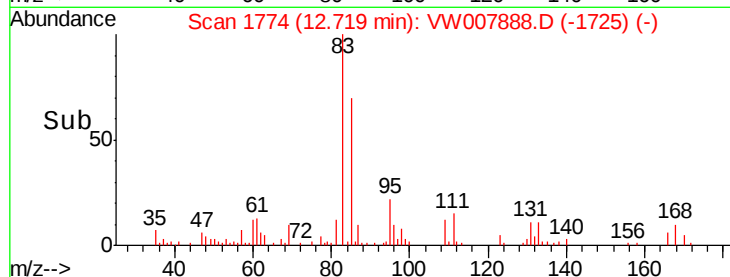
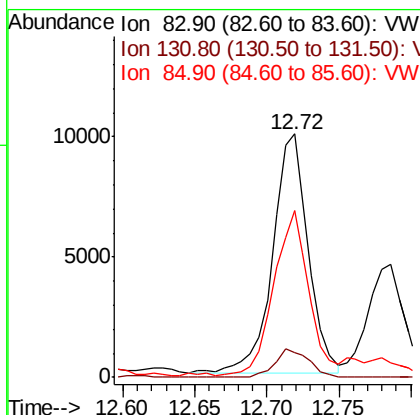
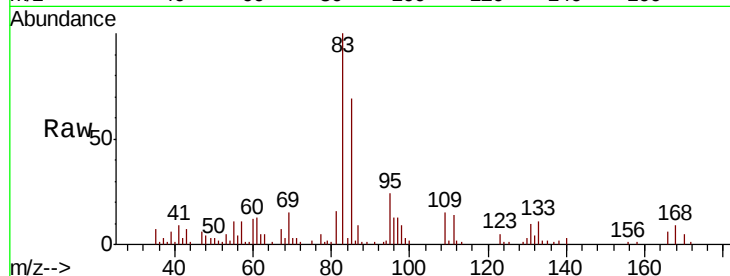
ClientSampleId :

P001-DS001-01MS

Tot Ion:	83	Resp:	16992
Ion Ratio	Lower	Upper	
83	100		
131	11.3	6.3	18.8
85	68.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 207.945 ug/l m

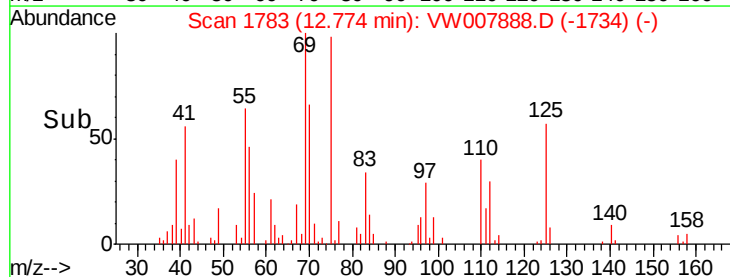
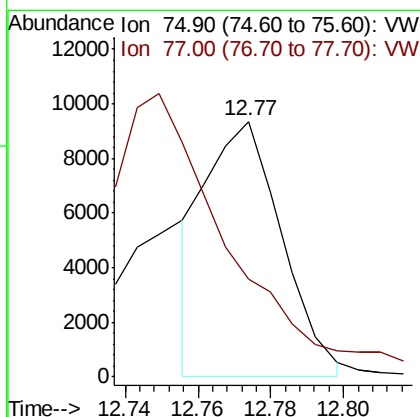
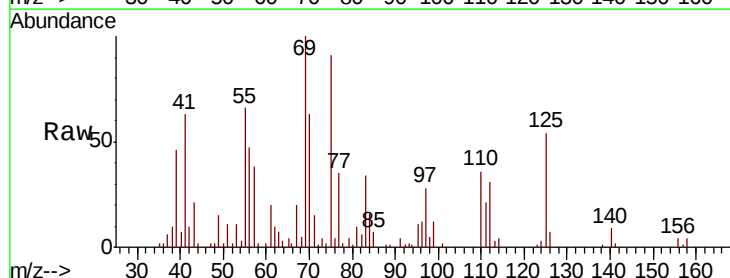
RT: 12.77 min Scan# 1783

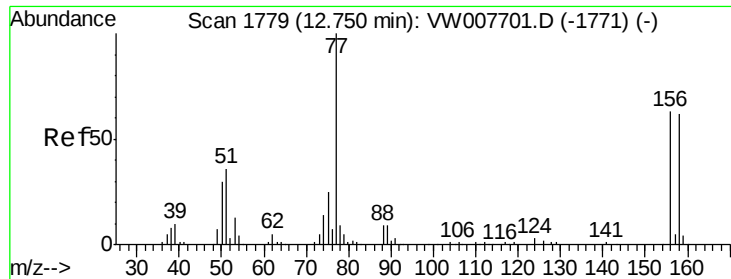
Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion:	75	Resp:	13716
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 60.168 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

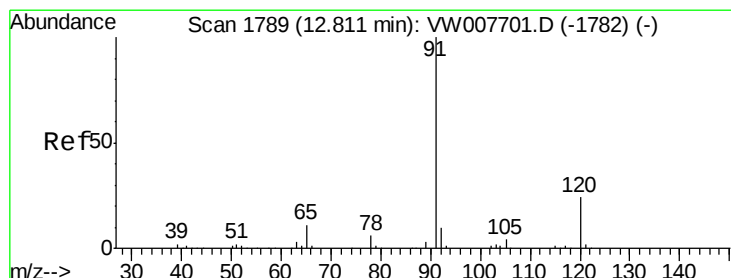
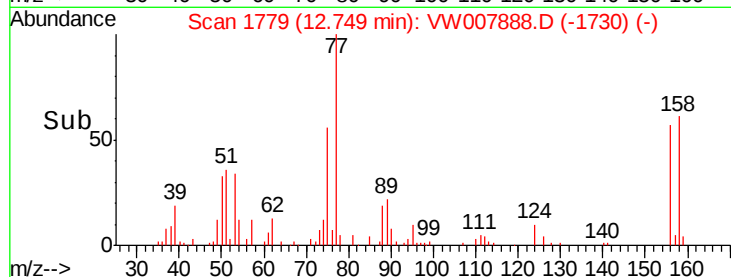
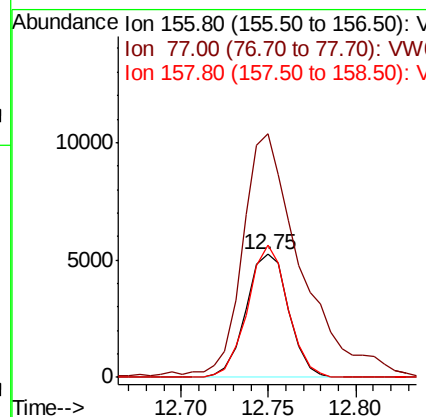
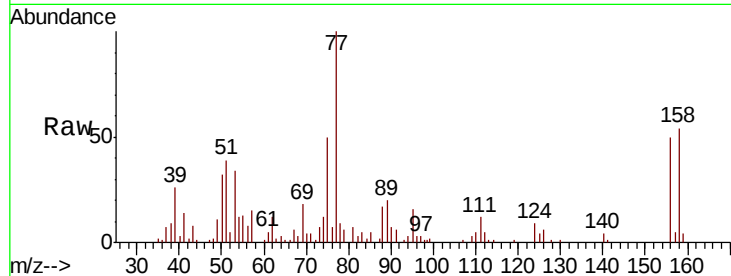
ClientSampleId :

P001-DS001-01MS

Tot Ion:	156	Resp:	8895
Ion Ratio	Lower	Upper	
156	100		
77	277.7	87.4	262.1#
158	100.6	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 40.817 ug/l

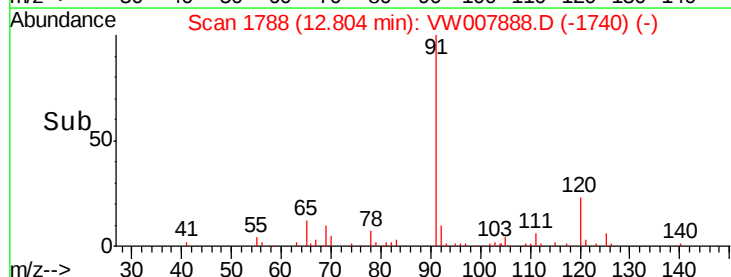
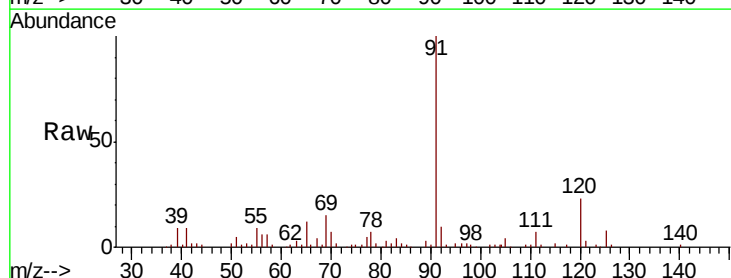
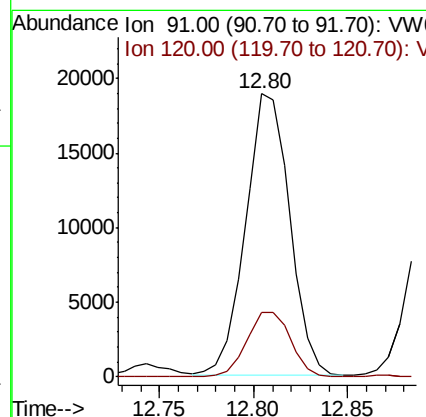
RT: 12.80 min Scan# 1788

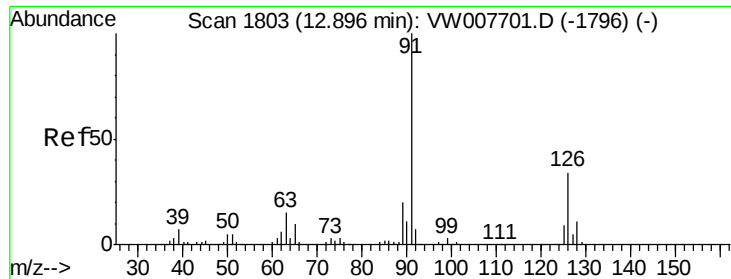
Delta R.T. -0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion:	91	Resp:	30650
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.9	35.7





#79

2-Chlorotoluene

Concen: 49.488 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tot Ion: 91 Resp: 21648

Ion Ratio Lower Upper

91 100

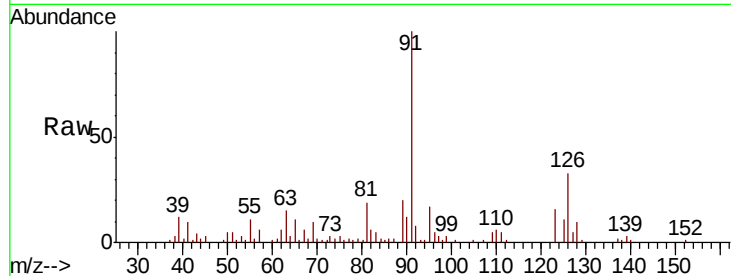
126 34.2 17.0 51.0

Manual Integrations

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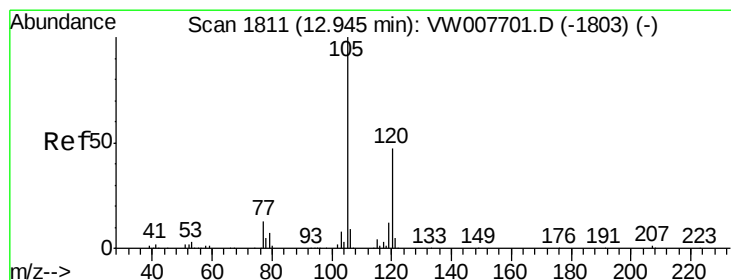
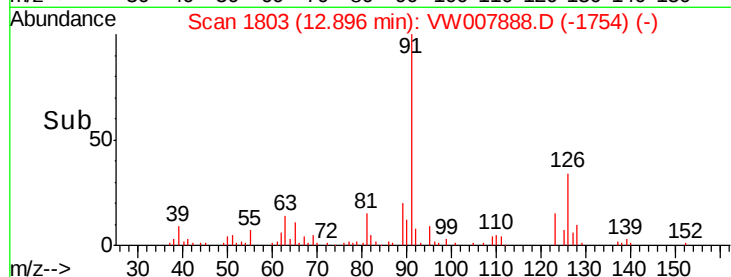
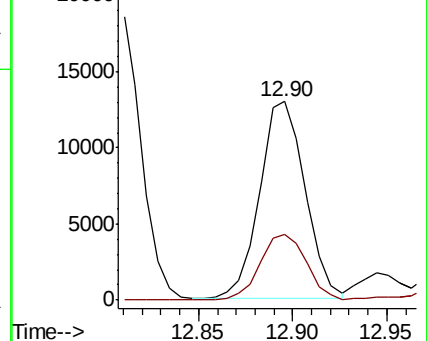
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 40.137 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007888.D

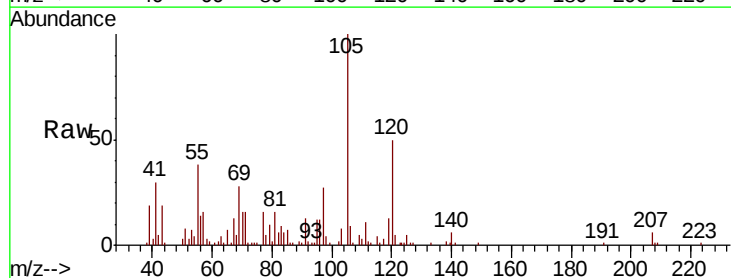
Acq: 24 Dec 2018 14:59

Tgt Ion:105 Resp: 22333

Ion Ratio Lower Upper

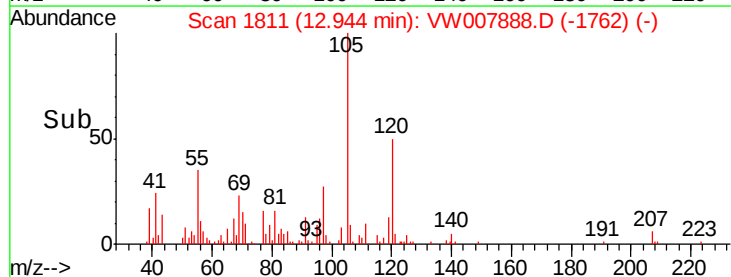
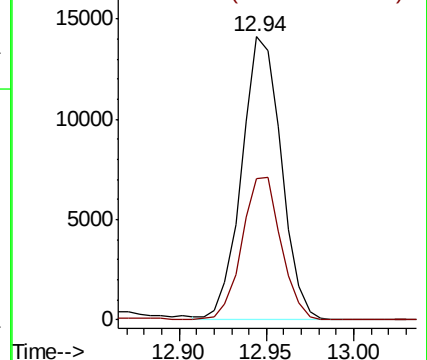
105 100

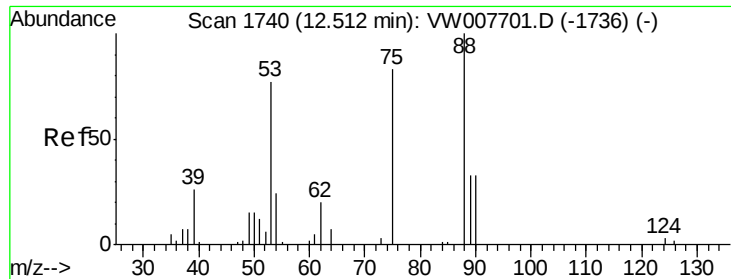
120 49.4 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





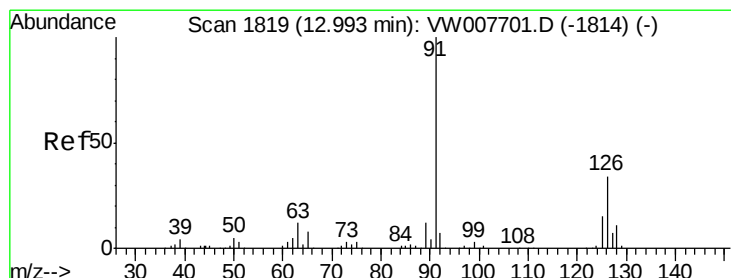
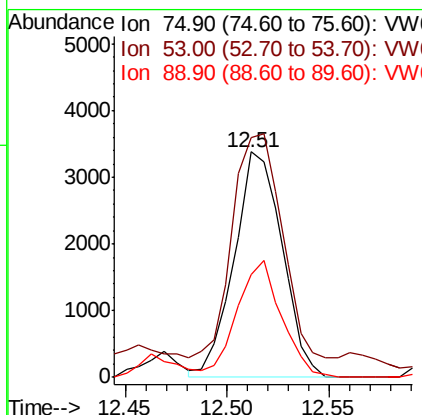
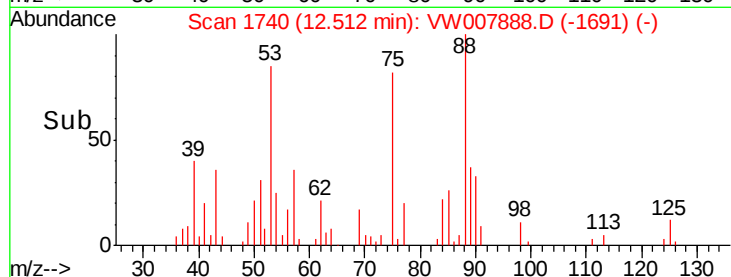
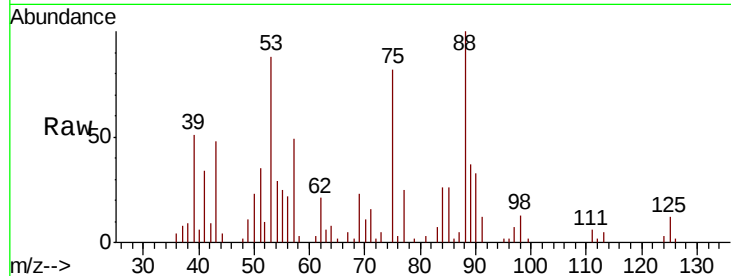
#81
trans-1,4-Dichloro-2-butene
Concen: 175.984 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.1	80.2	120.2
89	48.0	39.2	58.8

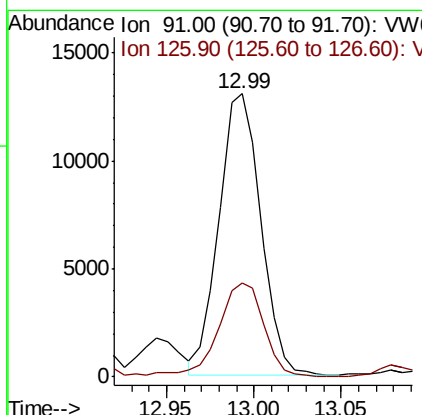
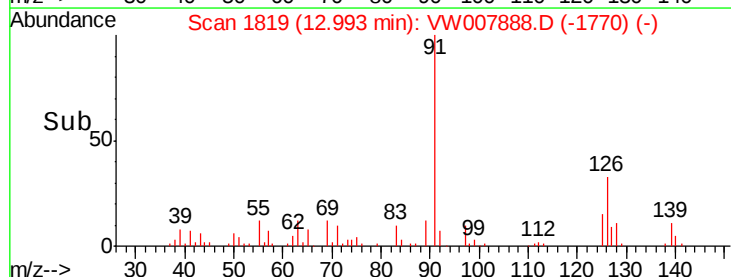
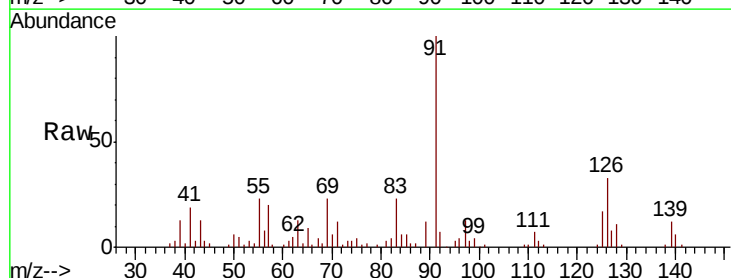
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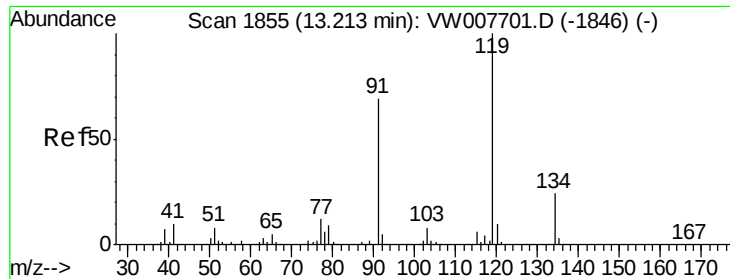
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#82
4-Chlorotoluene
Concen: 46.529 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	16.5	49.5





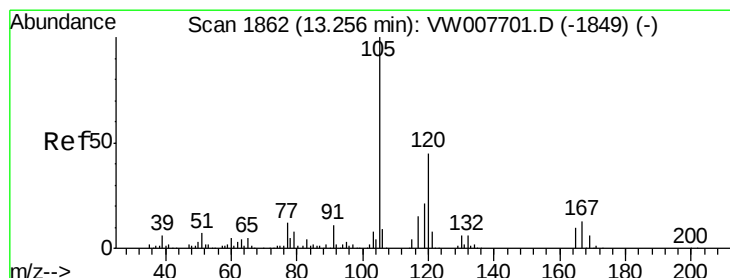
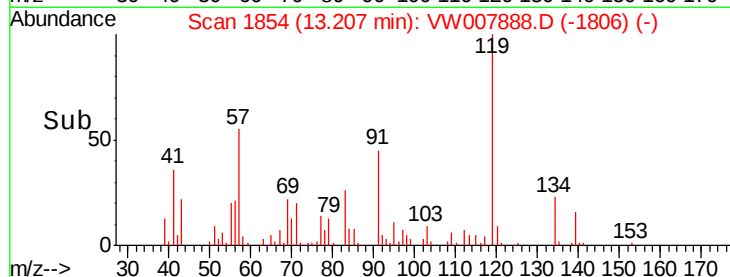
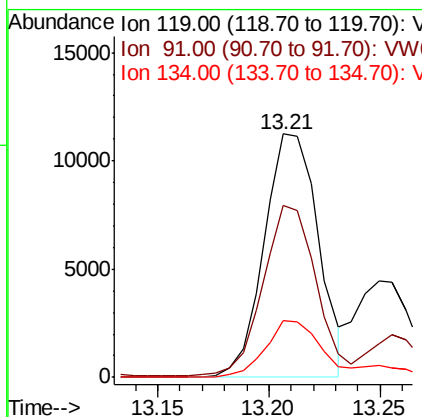
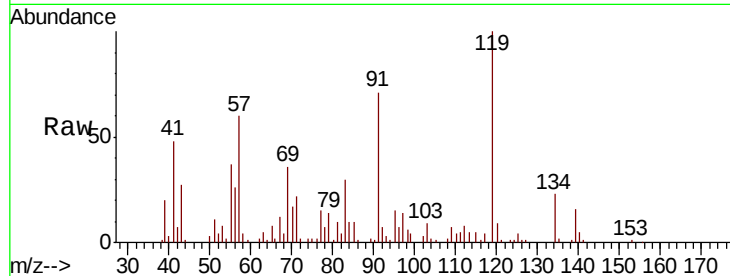
#83
tert-Butylbenzene
Concen: 38.978 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.2	102.5
134	23.4	12.8	38.4

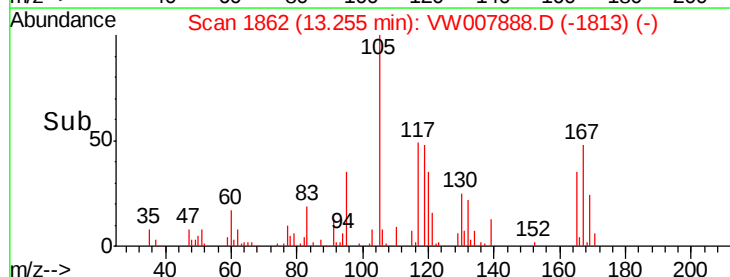
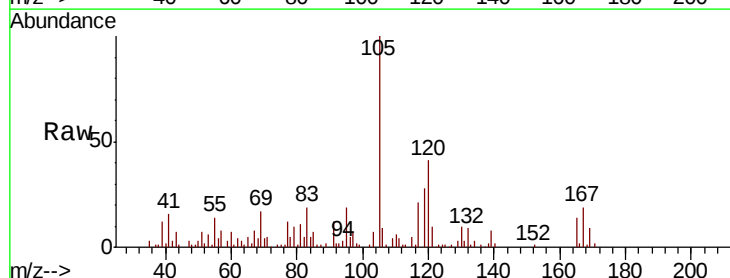
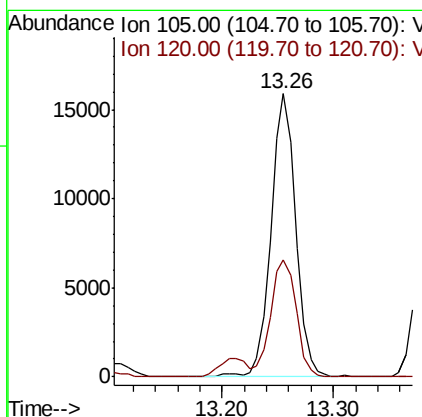
Manual Integrations
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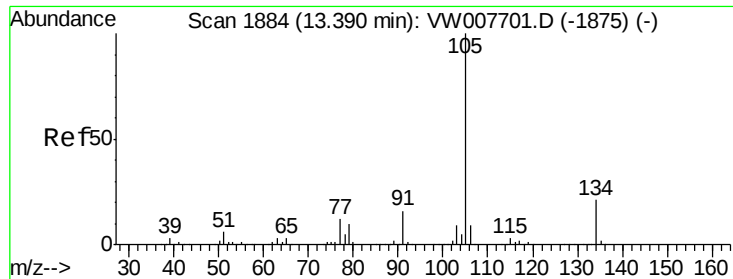
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 43.620 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.0	66.0





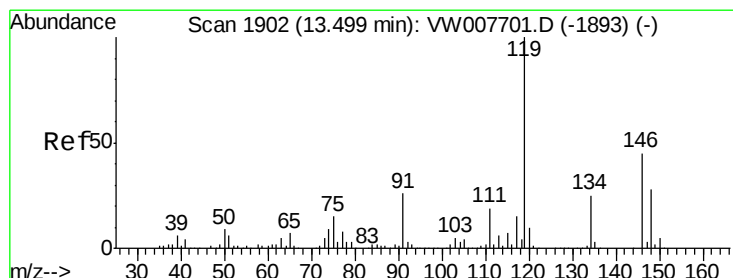
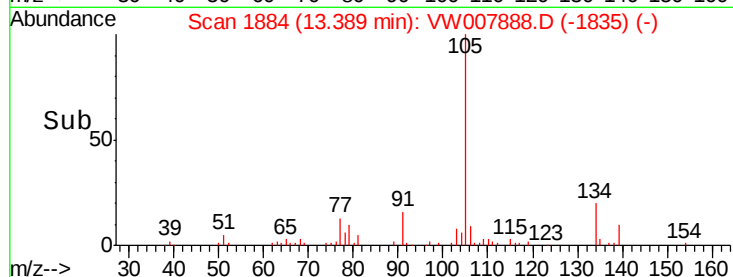
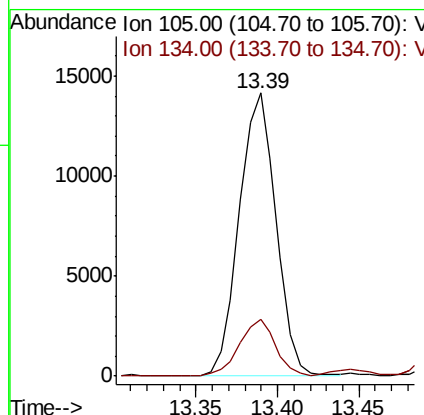
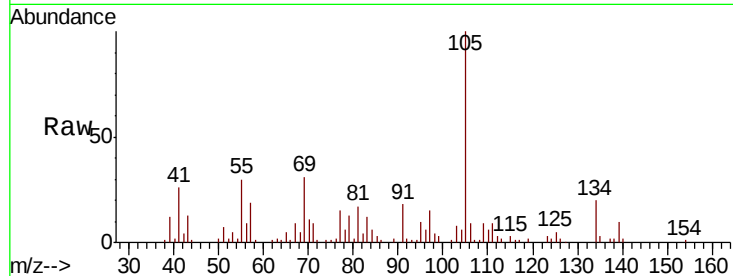
#85
 sec-Butylbenzene
 Concen: 33.016 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.2	30.4

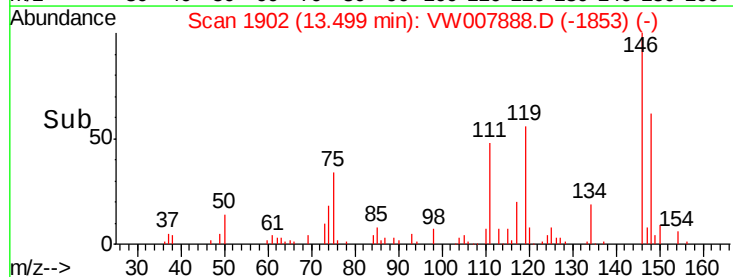
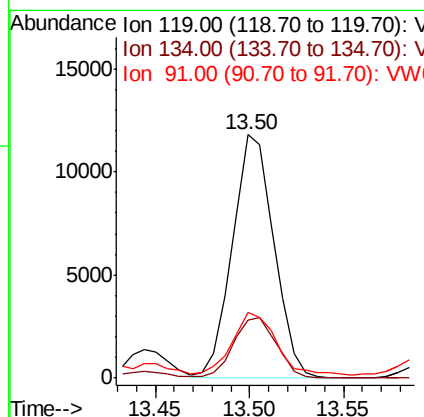
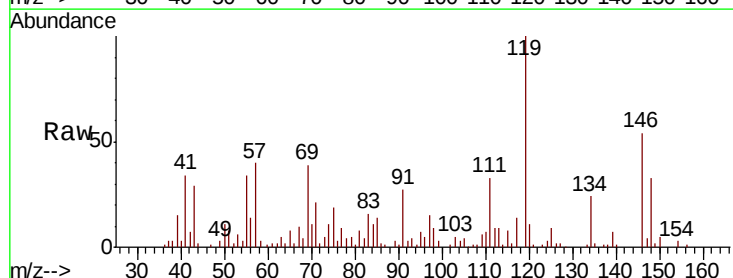
Manual Integrations
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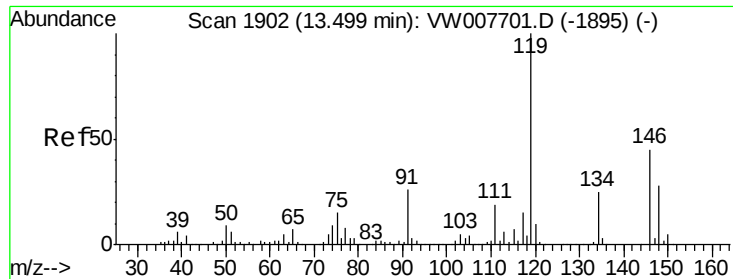
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#86
 p-Isopropyltoluene
 Concen: 29.591 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	39.0
91	27.4	12.8	38.4





#87

1,3-Dichlorobenzene

Concen: 35.895 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

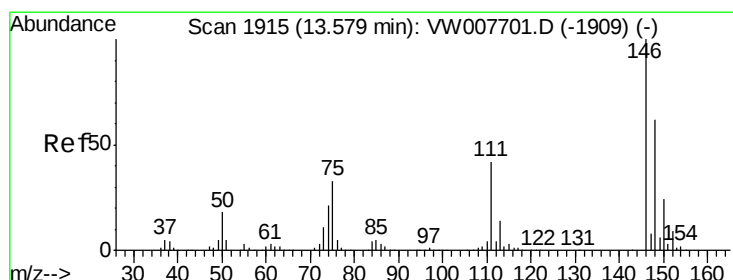
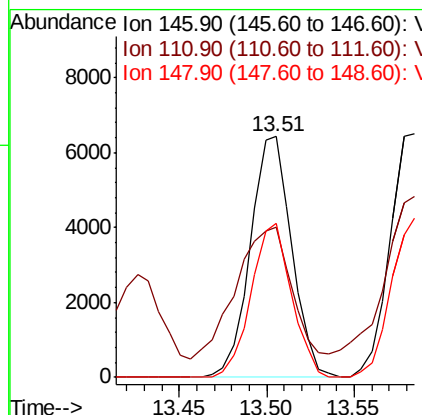
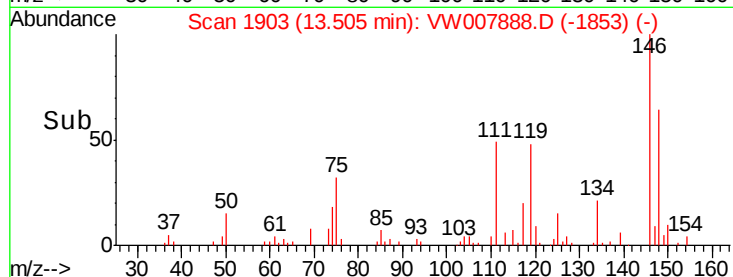
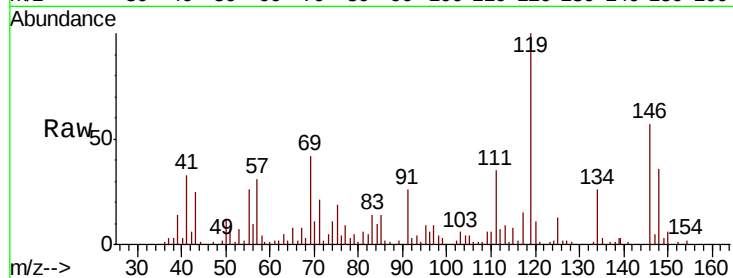
Instrument :
MSVOA_W

ClientSampleId :
P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	72.0	21.1	63.4#
148	62.6	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 36.484 ug/l

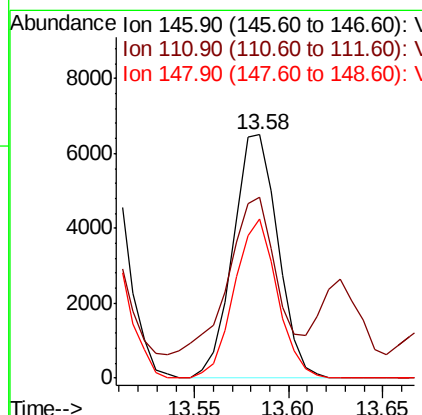
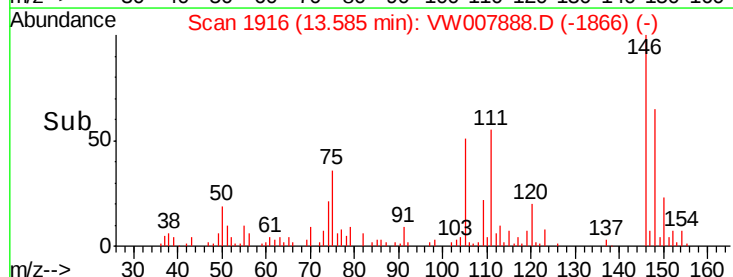
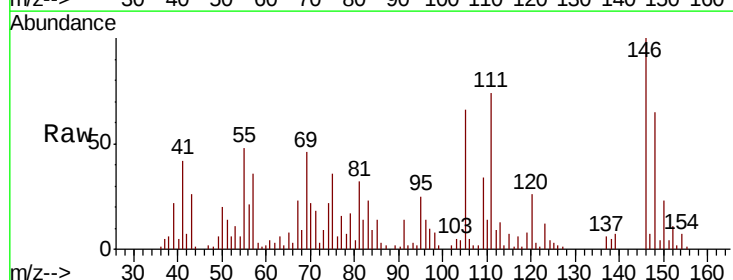
RT: 13.58 min Scan# 1916

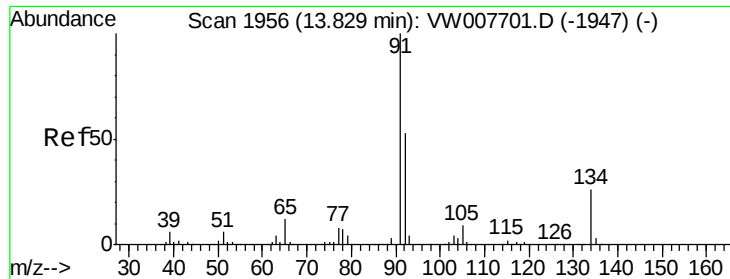
Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	68.3	21.0	63.0#
148	62.5	31.8	95.4





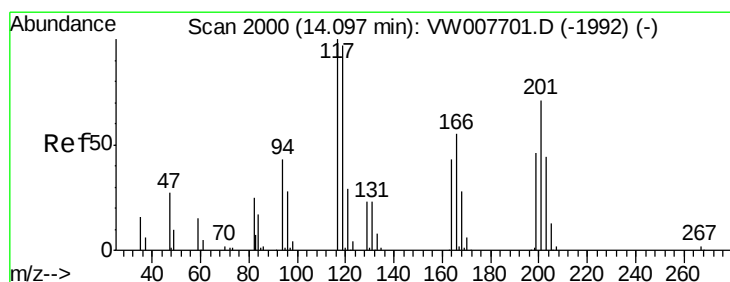
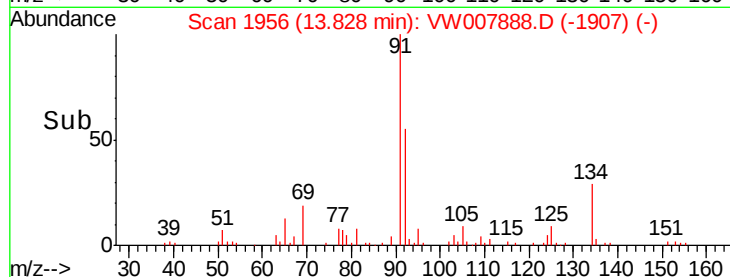
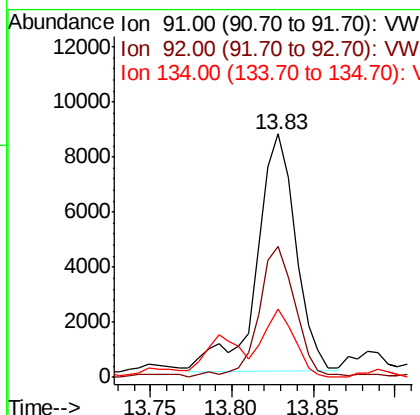
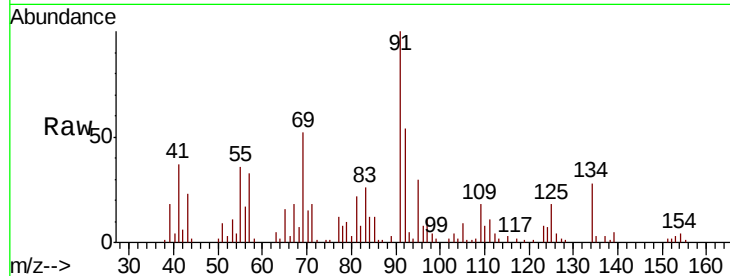
#89
n-Butylbenzene
Concen: 25.661 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.4	79.2
134	22.9	13.7	41.0

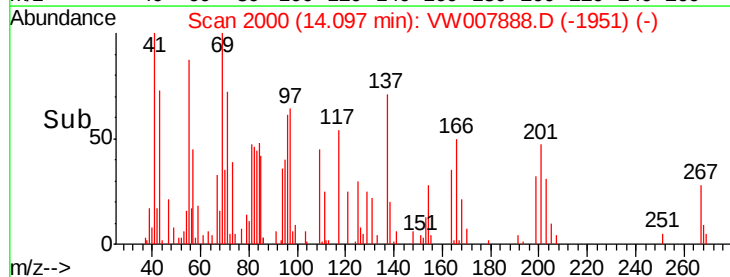
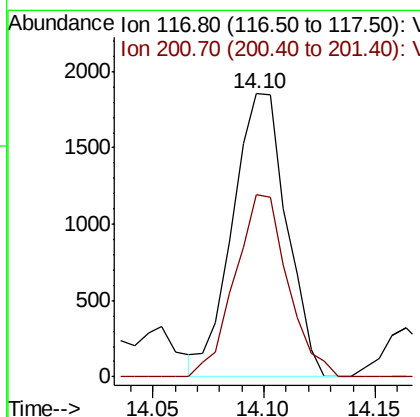
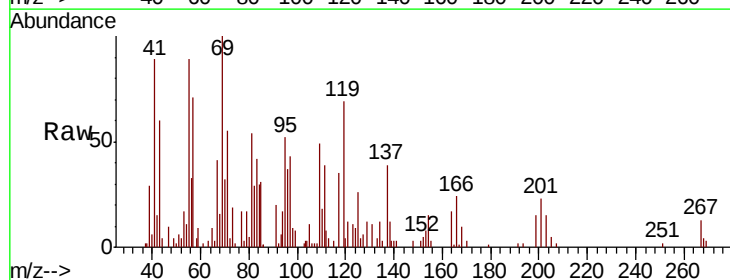
Manual Integrations
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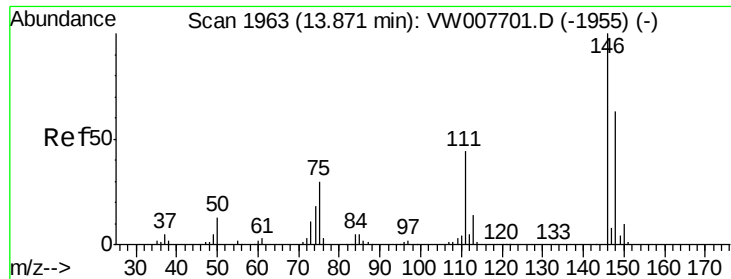
MMDadoda
12/26/2018 4:38:55 PM



#90
Hexachloroethane
Concen: 29.251 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007888.D
Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.0	36.2	108.6





#91

1,2-Dichlorobenzene

Concen: 38.173 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

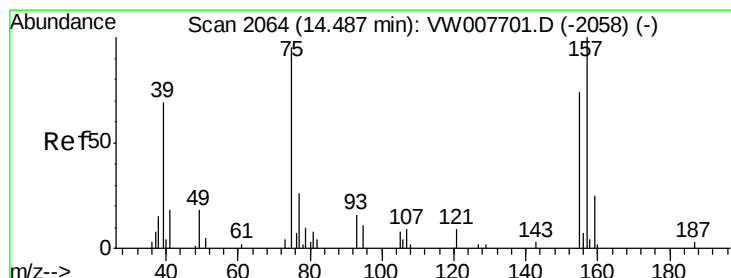
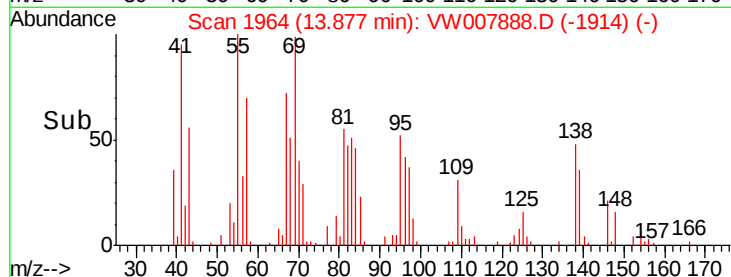
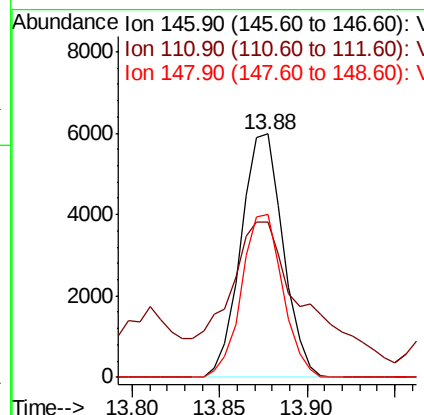
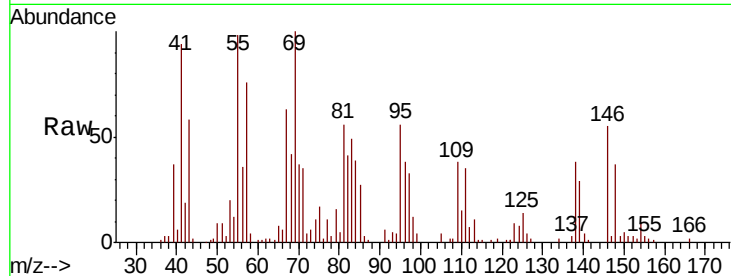
ClientSampleId :

P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	100.6	21.7	65.1#
148	65.2	32.1	96.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 107.237 ug/l

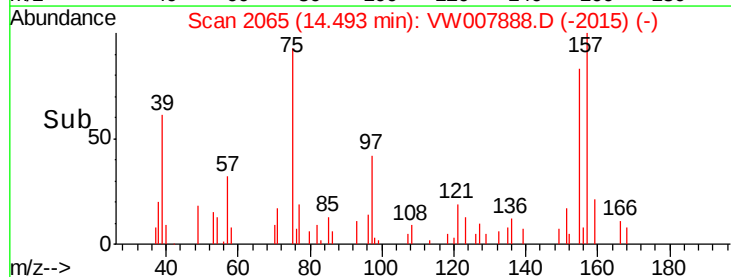
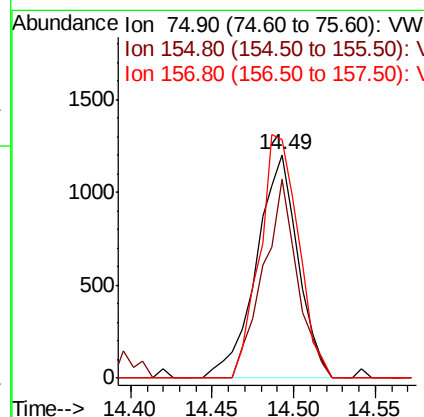
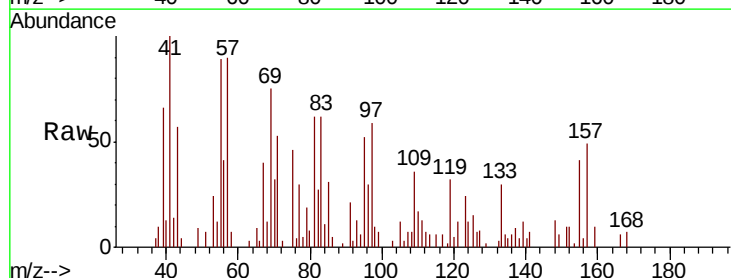
RT: 14.49 min Scan# 2065

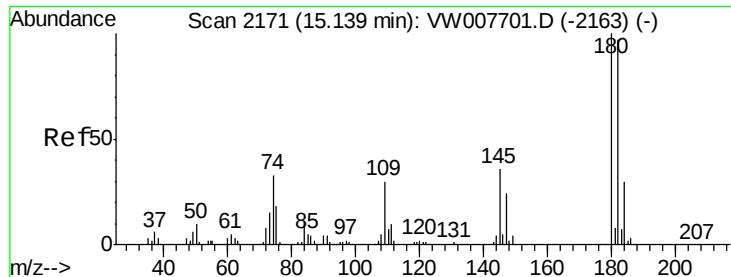
Delta R.T. 0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	39.4	118.1
157	101.3	52.0	156.0





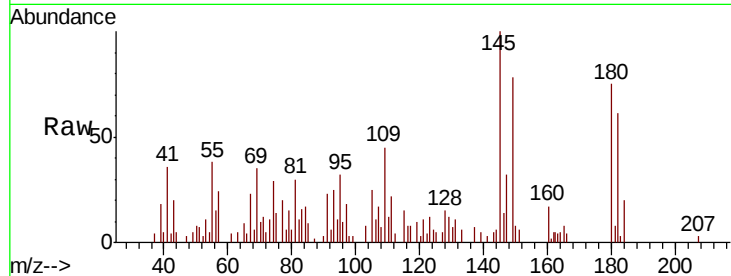
#93
 1,2,4-Trichlorobenzene
 Concen: 14.669 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.5	142.6
145	217.5	17.5	52.5#

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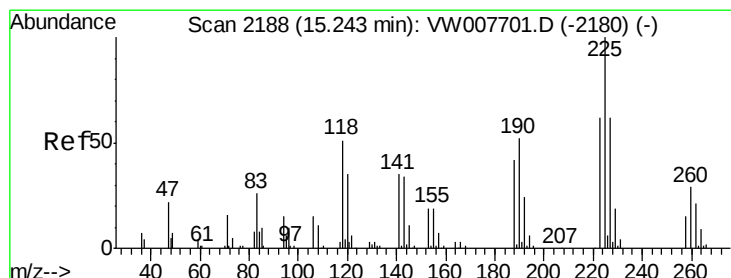
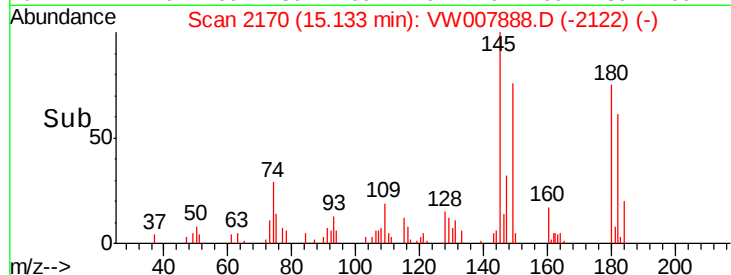
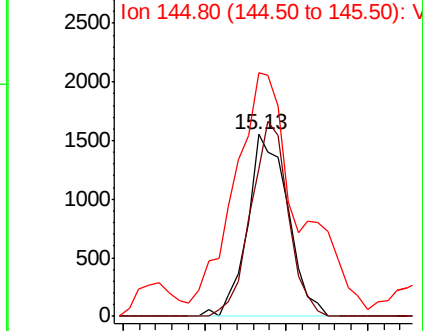


Abundance

Ion 179.80 (179.50 to 180.50): V

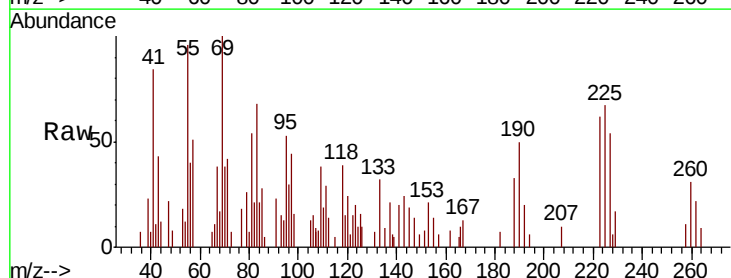
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 11.816 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007888.D
 Acq: 24 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	76.6	31.6	94.8
227	73.4	32.1	96.3

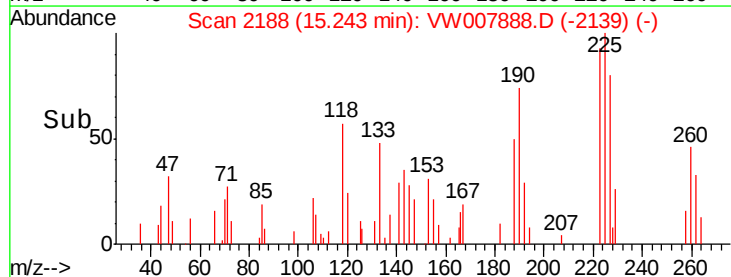
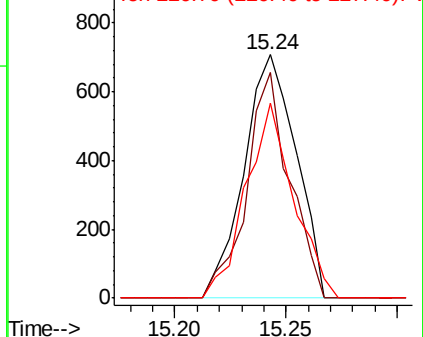


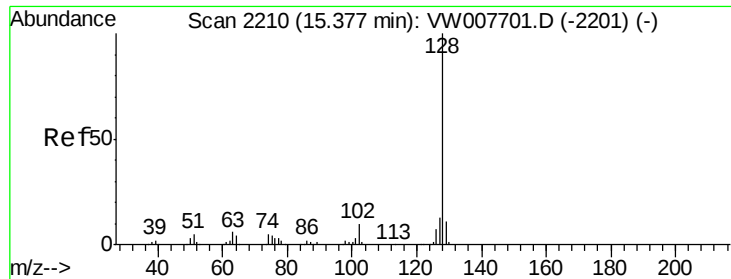
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 30.506 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Instrument :

MSVOA_W

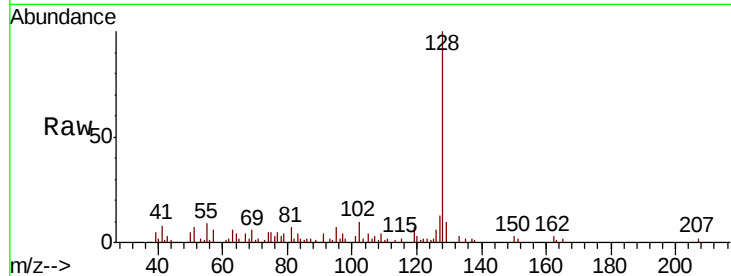
ClientSampleId :

P001-DS001-01MS

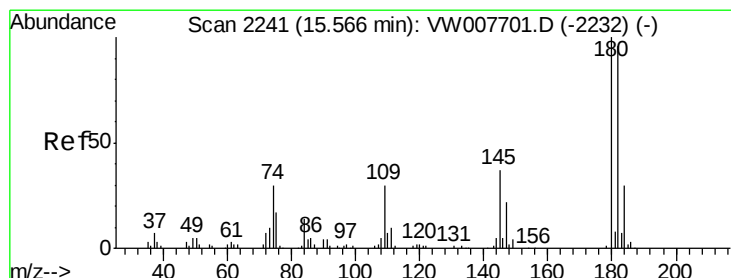
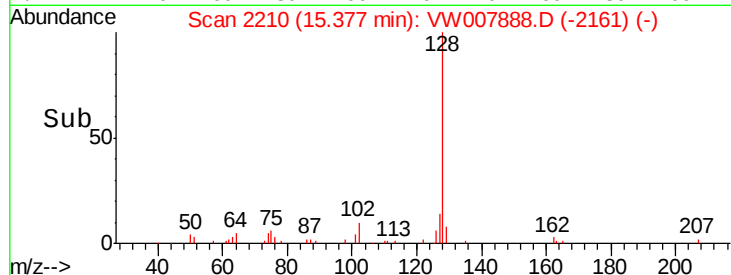
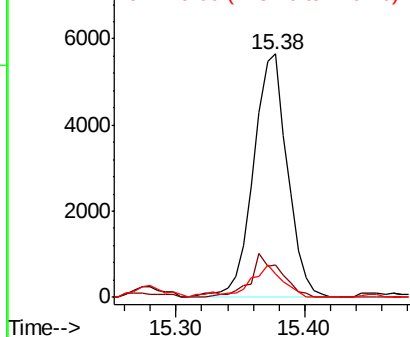
Tot Ion:	128	Resp:	10289
Ion Ratio	Lower	Upper	
128	100		
127	15.9	10.7	16.1
129	12.0	8.8	13.2

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 14.825 ug/l

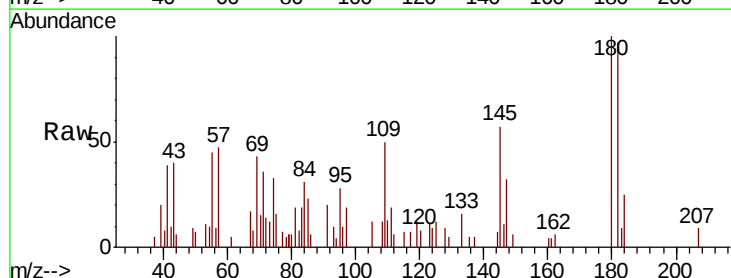
RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW007888.D

Acq: 24 Dec 2018 14:59

Tgt Ion:	180	Resp:	2315
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.2
145	94.7	18.4	55.0#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

