

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122218\
 Data File : VW007790.D
 Acq On : 21 Dec 2018 12:34
 Operator : SY/AP
 Sample : J6426-02MS
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 4:33:50 PM

Quant Time: Dec 24 23:44:31 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	34918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	63472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	23554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44700	116.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	233.60%	
35) Dibromofluoromethane	7.88	113	32073	82.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.66%	
50) Toluene-d8	10.32	98	38811	26.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.18%	
62) 4-Bromofluorobenzene	12.62	95	9120	16.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26703	86.023	ug/l	95
3) Chloromethane	2.22	50	30888	162.045	ug/l	95
4) Vinyl Chloride	2.37	62	29875	123.123	ug/l	96
5) Bromomethane	2.78	94	18995	112.395	ug/l	94
6) Chloroethane	2.92	64	17359	133.724	ug/l	93
7) Trichlorofluoromethane	3.26	101	14345	56.786	ug/l	93
8) Diethyl Ether	3.68	74	29302	189.376	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	20014	53.795	ug/l	98
10) Methyl Iodide	4.27	142	46300	78.255	ug/l	95
11) Tert butyl alcohol	5.18	59	28902	1119.483	ug/l	99
12) 1,1-Dichloroethene	4.03	96	24328	70.617	ug/l	95
14) Allyl chloride	4.66	41	43662	96.645	ug/l	89
15) Acrylonitrile	5.36	53	70197	1063.552	ug/l	99
16) Acetone	4.12	43	27420	382.601	ug/l	98
17) Carbon Disulfide	4.37	76	48731	45.710	ug/l	99
18) Methyl Acetate	4.67	43	39906	234.134	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	105058	212.416	ug/l	96
20) Methylene Chloride	4.90	84	52014	158.855	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	27610	72.870	ug/l	92
22) Diisopropyl ether	6.31	45	127630	150.875	ug/l	95
23) Vinyl Acetate	6.31	43	66721	132.753	ug/l #	69
24) 1,1-Dichloroethane	6.21	63	64365	103.428	ug/l	98
25) 2-Butanone	7.17	43	34262	408.155	ug/l	98
26) 2,2-Dichloropropane	7.17	77	28128	61.767	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	37553	93.029	ug/l	99
28) Bromochloromethane	7.51	49	26970	127.108	ug/l	93
29) Tetrahydrofuran	7.52	42	64167	1281.521	ug/l	96
30) Chloroform	7.67	83	61809	87.763	ug/l	99
31) Cyclohexane	7.95	56	17203	30.196	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	32357	50.446	ug/l	98
36) 1,1-Dichloropropene	8.08	75	20313	33.158	ug/l	97
37) Ethyl Acetate	7.17	43	34262	162.054	ug/l #	1
38) Carbon Tetrachloride	8.07	117	21109	29.258	ug/l	91
39) Methylcyclohexane	9.34	83	14625	19.212	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	75701	46.307	ug/l	99
41) Methacrylonitrile	7.50	41	16775m	139.750	ug/l	
42) 1,2-Dichloroethane	8.40	62	58045	105.952	ug/l	98
44) Trichloroethene	9.09	130	15792	31.943	ug/l	95
45) 1,2-Dichloropropane	9.37	63	27191	74.961	ug/l	98
46) Dibromomethane	9.46	93	20662	92.534	ug/l	99
47) Bromodichloromethane	9.65	83	35413	60.327	ug/l	98
48) Methyl methacrylate	9.44	41	27645	130.753	ug/l	94
49) 1,4-Dioxane	9.45	88	14284	4034.814	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	102219	510.632	ug/l	98
52) Toluene	10.39	92	40950	37.335	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	34155	58.496	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	34736	53.859	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	29233	94.966	ug/l	94
56) Ethyl methacrylate	10.66	69	2089	5.744	ug/l #	8
57) 1,3-Dichloropropane	10.93	76	39502	77.279	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	81400	490.198	ug/l	99
59) 2-Hexanone	10.97	43	35055	249.003	ug/l	100
60) Dibromochloromethane	11.13	129	18817	46.167	ug/l	97
61) 1,2-Dibromoethane	11.24	107	19186	61.548	ug/l	99
64) Tetrachloroethene	10.86	164	5304	31.800	ug/l	93
65) Chlorobenzene	11.66	112	25932	50.866	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	13181	72.358	ug/l	97
67) Ethyl Benzene	11.73	91	32529	37.183	ug/l	95
68) m/p-Xylenes	11.84	106	24048	70.863	ug/l	98
69) o-Xylene	12.17	106	12077	37.965	ug/l	100
70) Styrene	12.18	104	20632	39.457	ug/l	98
71) Bromoform	12.35	173	7944	84.006	ug/l #	98
73) Isopropylbenzene	12.46	105	21152	51.120	ug/l	97
74) N-amyl acetate	12.26	43	1878	26.203	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.72	83	18530	298.685	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	22978	543.101	ug/l #	100
77) Bromobenzene	12.75	156	7010	73.924	ug/l #	53
78) n-propylbenzene	12.80	91	19588	40.668	ug/l	100
79) 2-Chlorotoluene	12.90	91	15060	53.673	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	15504	43.440	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3926	194.781	ug/l	93
82) 4-Chlorotoluene	12.99	91	14785	49.488	ug/l	93
83) tert-Butylbenzene	13.21	119	12056	38.498	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	17465	48.495	ug/l	98
85) sec-Butylbenzene	13.39	105	14261	33.043	ug/l	98
86) p-Isopropyltoluene	13.50	119	11633	29.642	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	7325	38.906	ug/l #	73
88) 1,4-Dichlorobenzene	13.58	146	6881	36.537	ug/l #	69
89) n-Butylbenzene	13.83	91	9260	25.734	ug/l	96
90) Hexachloroethane	14.10	117	1836	26.648	ug/l	87
91) 1,2-Dichlorobenzene	13.87	146	7211	42.777	ug/l #	65
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1975	155.018	ug/l	97
93) 1,2,4-Trichlorobenzene	15.14	180	1897	16.212	ug/l #	1
94) Hexachlorobutadiene	15.24	225	802	12.825	ug/l	91

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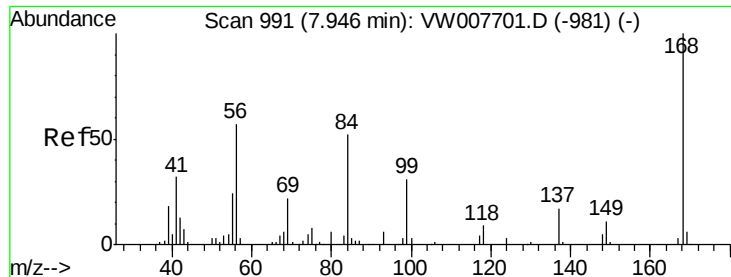
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.38	128	8726	40.335	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	1420	14.177	ug/l #	56

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tgt Ion:168 Resp: 34918

Ion Ratio Lower Upper

168 100

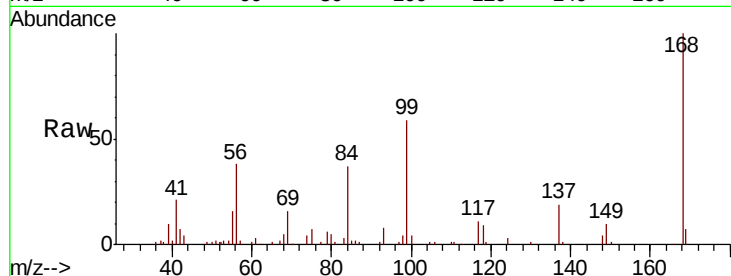
99 58.6 54.0 81.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

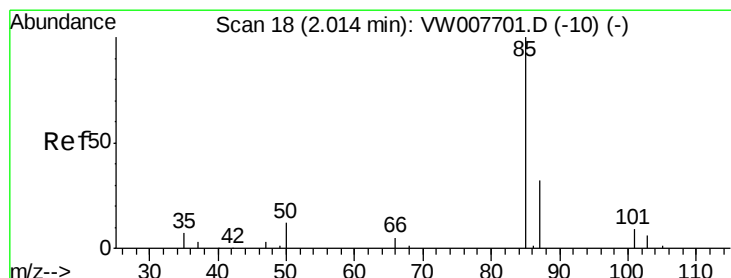
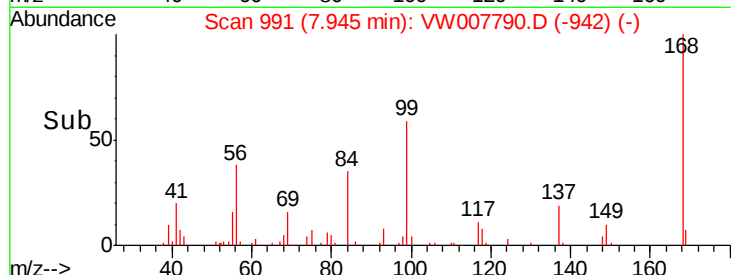
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5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 86.023 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007790.D

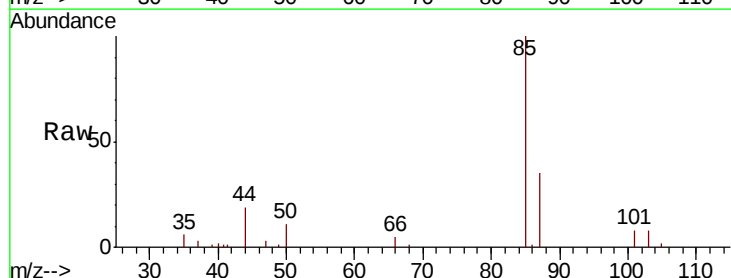
Acq: 21 Dec 2018 12:34

Tgt Ion: 85 Resp: 26703

Ion Ratio Lower Upper

85 100

87 35.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

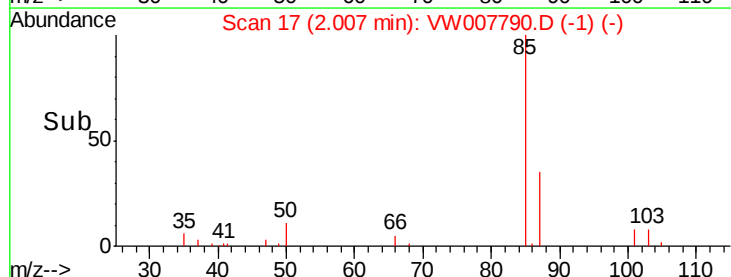
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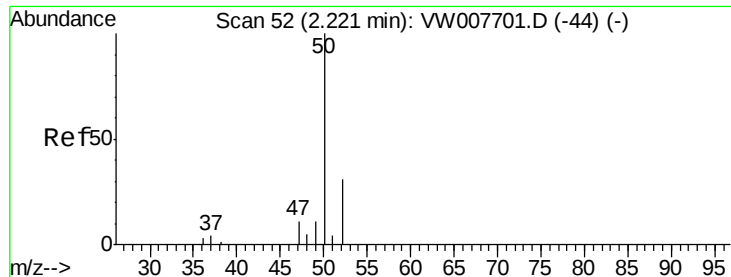
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 162.045 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tgt Ion: 50 Resp: 30888

Ion Ratio Lower Upper

50 100

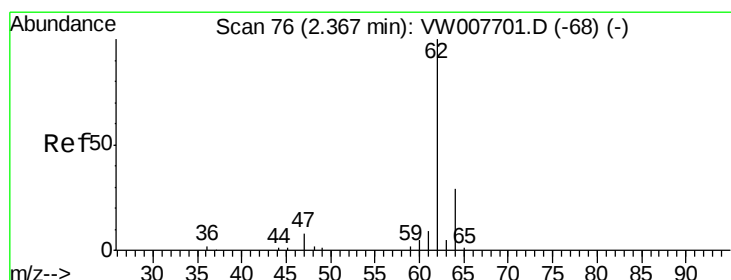
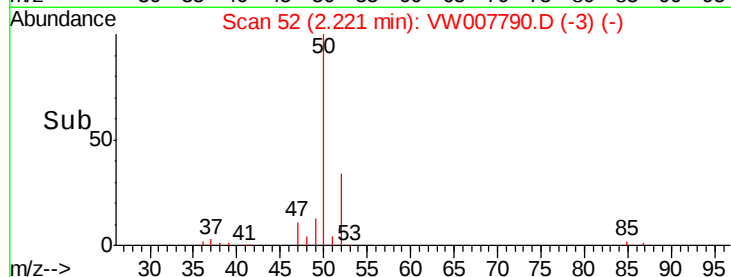
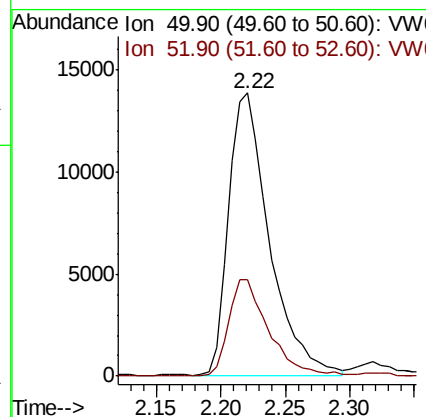
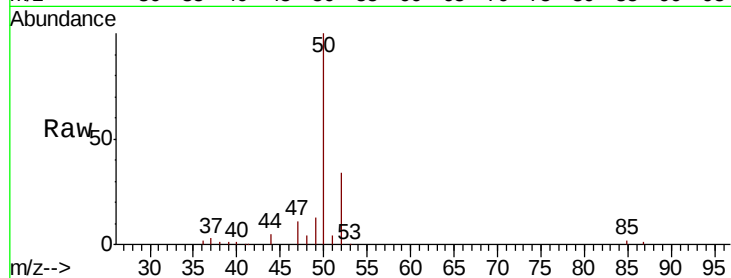
52 34.2 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 123.123 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007790.D

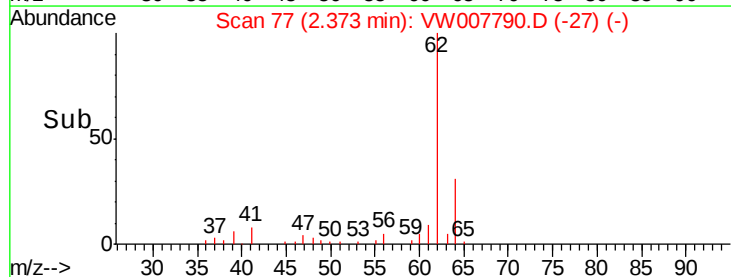
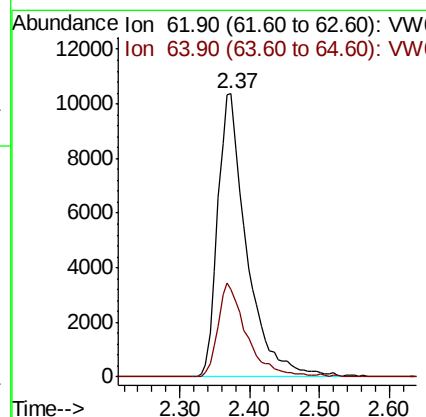
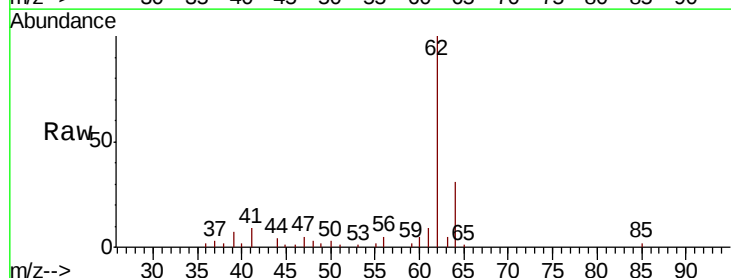
Acq: 21 Dec 2018 12:34

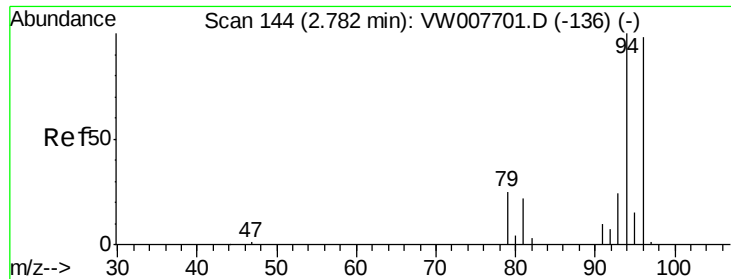
Tgt Ion: 62 Resp: 29875

Ion Ratio Lower Upper

62 100

64 31.1 23.4 35.0





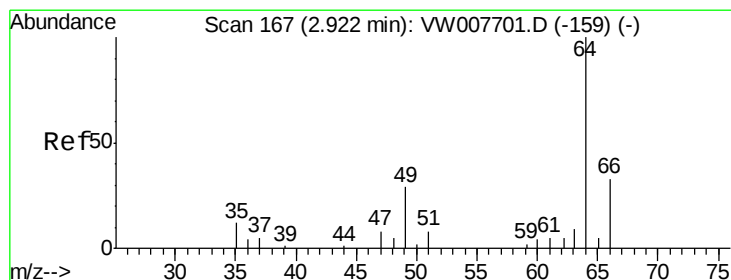
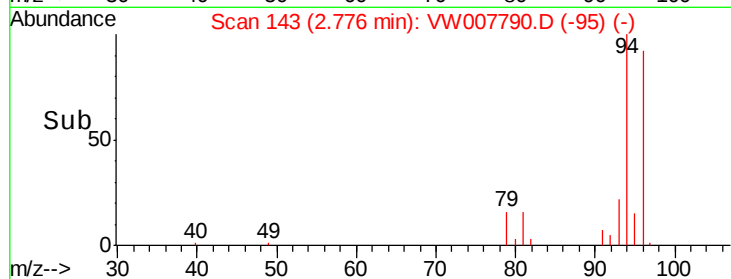
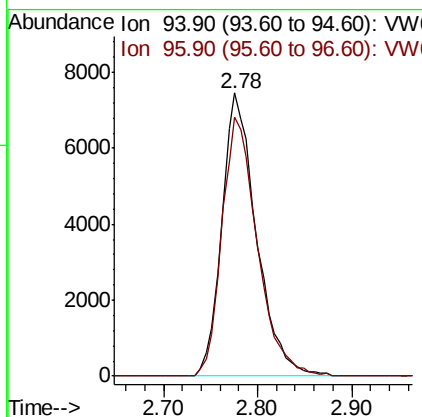
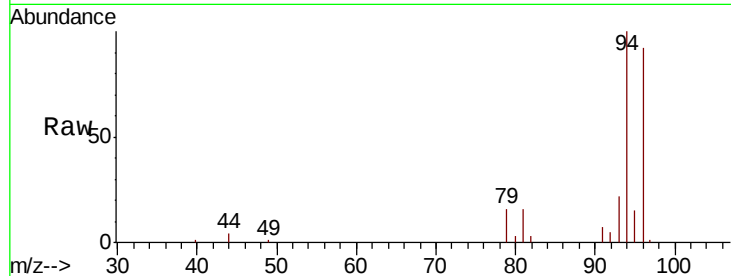
#5
Bromomethane
Concen: 112.395 ug/l
RT: 2.78 min Scan# 143
Delta R.T. -0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

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Tgt Ion: 94 Resp: 18995
Ion Ratio Lower Upper
94 100
96 91.6 78.2 117.2

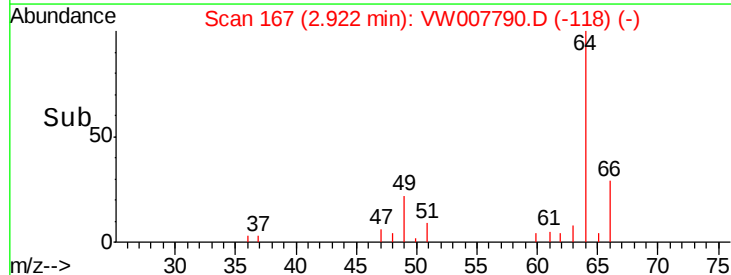
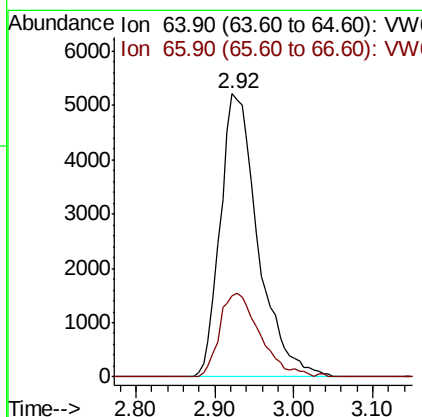
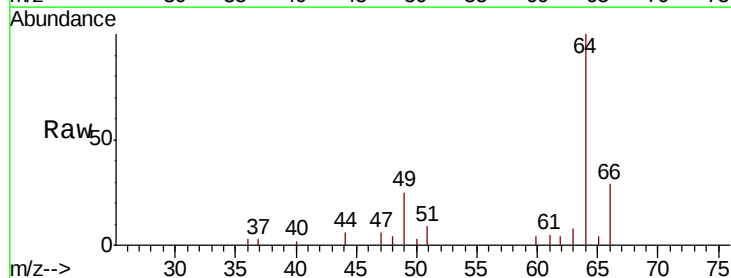
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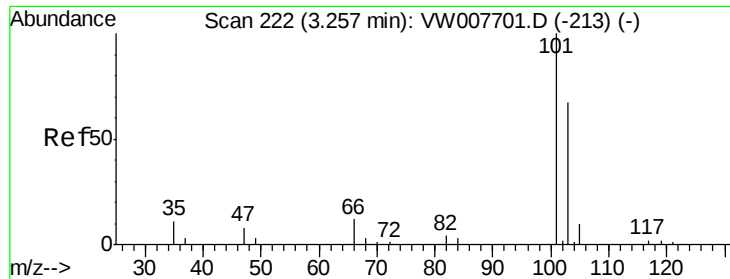
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#6
Chloroethane
Concen: 133.724 ug/l
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 64 Resp: 17359
Ion Ratio Lower Upper
64 100
66 28.7 26.2 39.4





#7

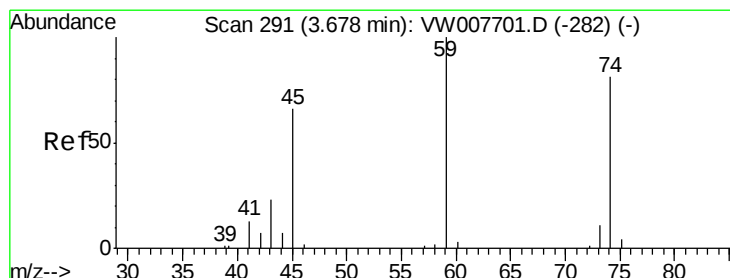
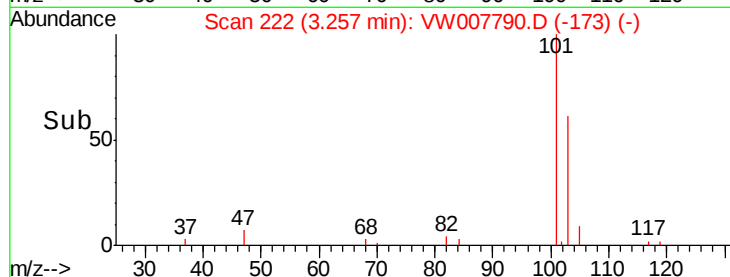
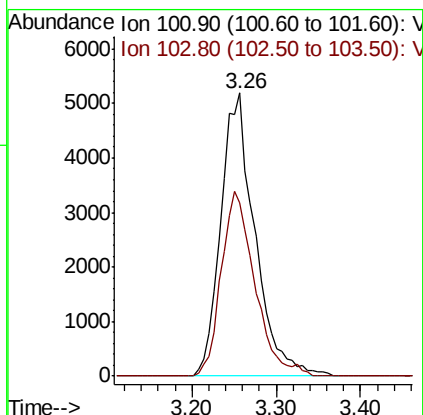
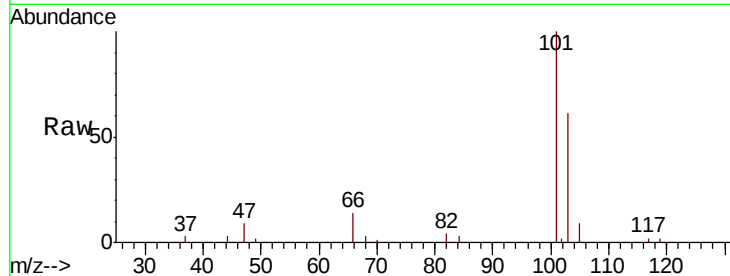
Trichlorofluoromethane
Concen: 56.786 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
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Tgt Ion: 101 Resp: 14345
Ion Ratio Lower Upper
101 100
103 61.2 53.4 80.2

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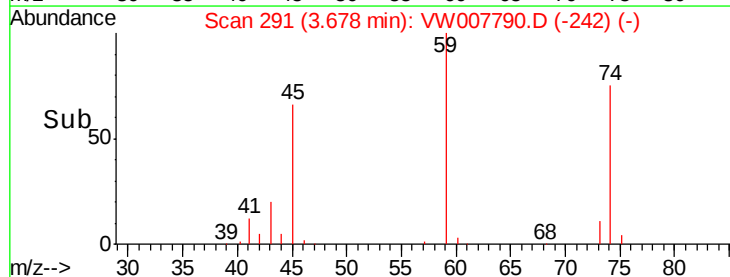
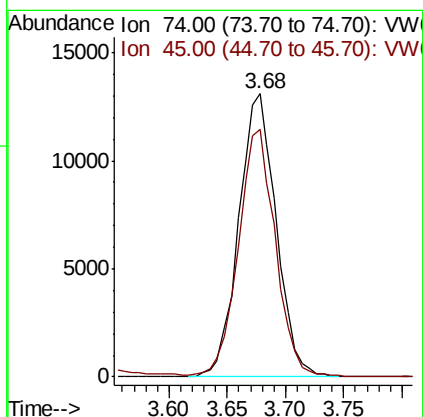
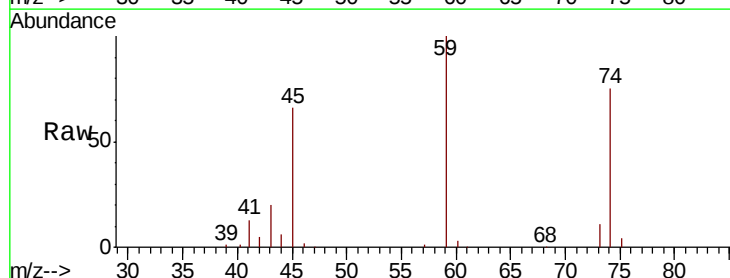
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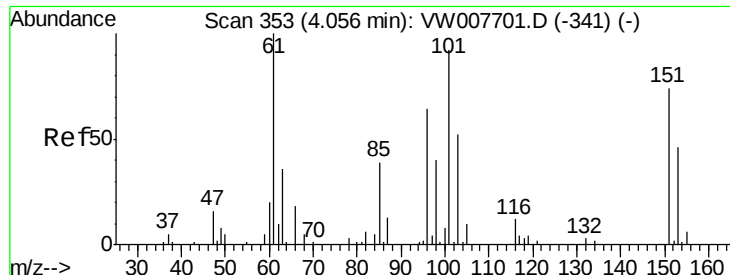


#8

Diethyl Ether
Concen: 189.376 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 74 Resp: 29302
Ion Ratio Lower Upper
74 100
45 87.1 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.795 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

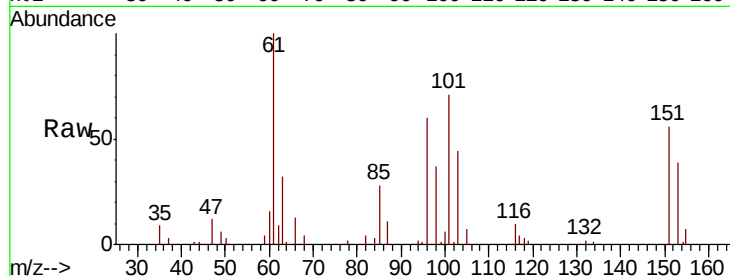
ClientSampleId :

P001-DS001-01MS

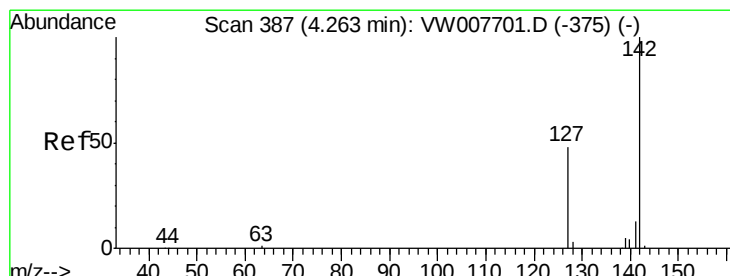
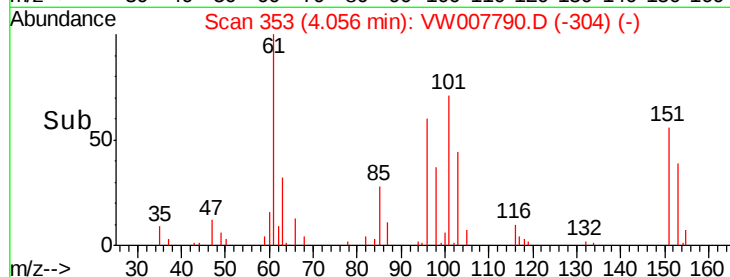
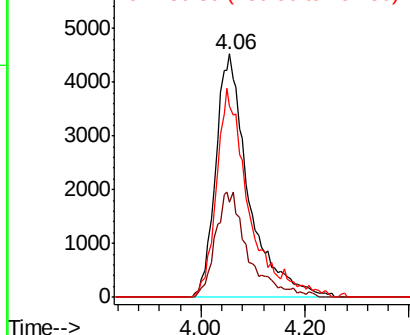
Tgt Ion:	101	Resp:	20014
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.3	51.5
151	79.0	64.6	96.8

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



#10

Methyl Iodide

Concen: 78.255 ug/l

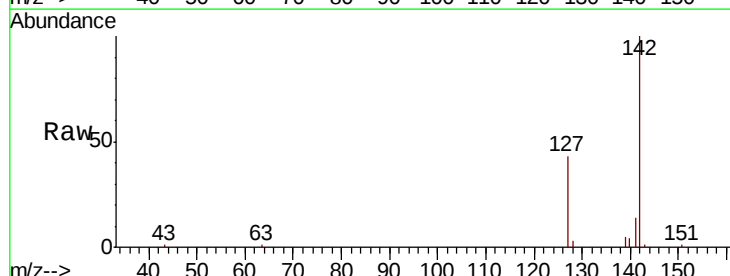
RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

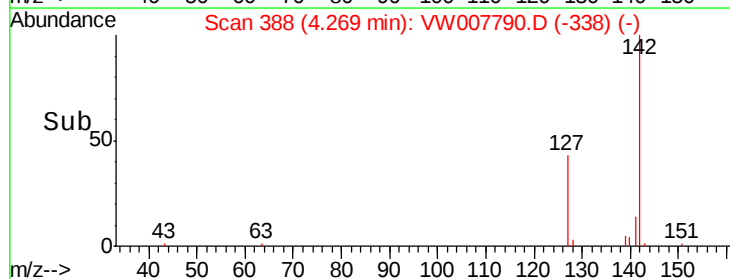
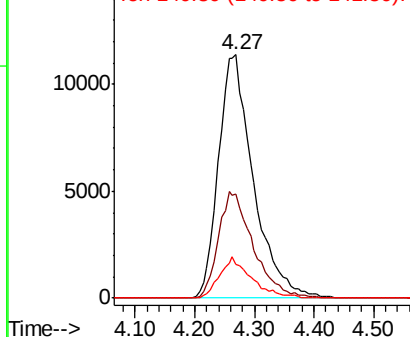
Lab File: VW007790.D

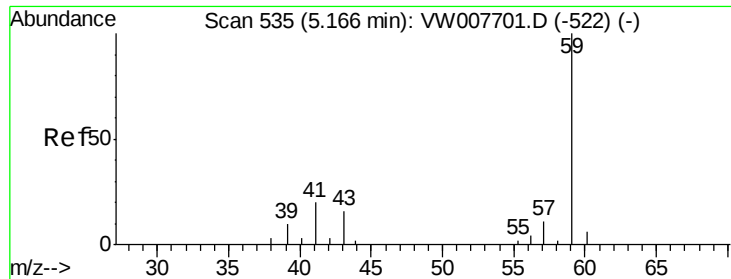
Acq: 21 Dec 2018 12:34

Tgt Ion:	142	Resp:	46300
Ion Ratio	Lower	Upper	
142	100		
127	43.5	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





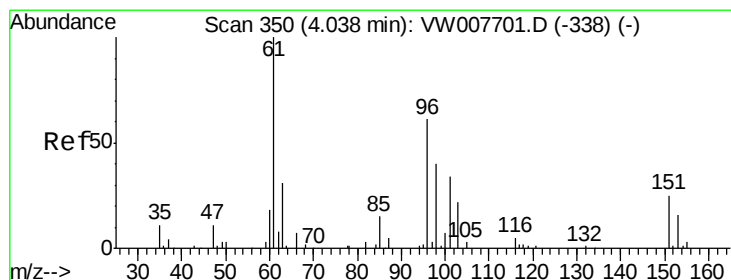
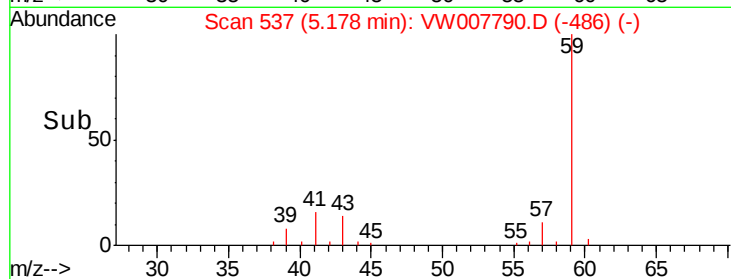
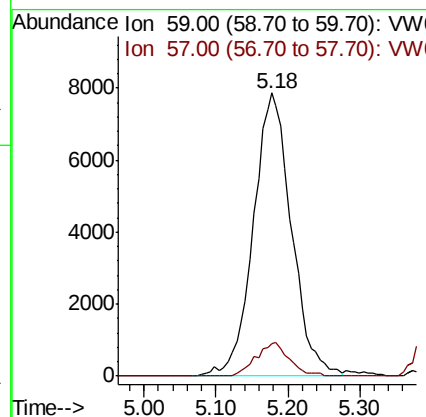
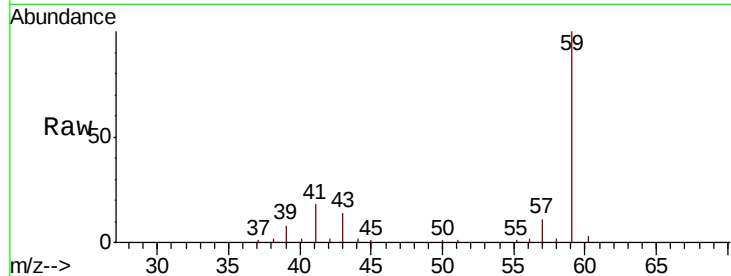
#11
Tert butyl alcohol
Concen: 1119.483 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion: 59 Resp: 28902
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.8

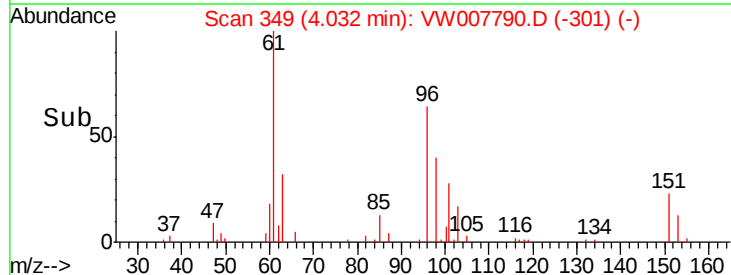
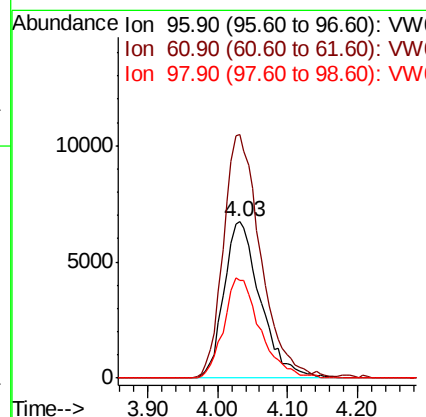
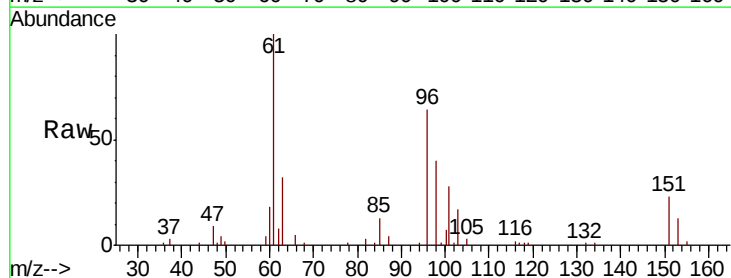
Manual Integrations
APPROVED

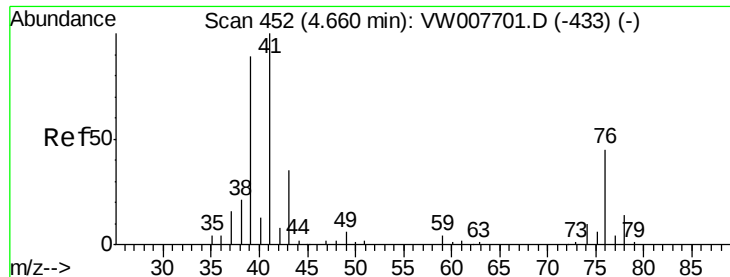
MMDadoda
12/26/2018 4:33:50 PM



#12
1,1-Dichloroethene
Concen: 70.617 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 96 Resp: 24328
Ion Ratio Lower Upper
96 100
61 155.8 130.6 195.8
98 62.5 52.3 78.5





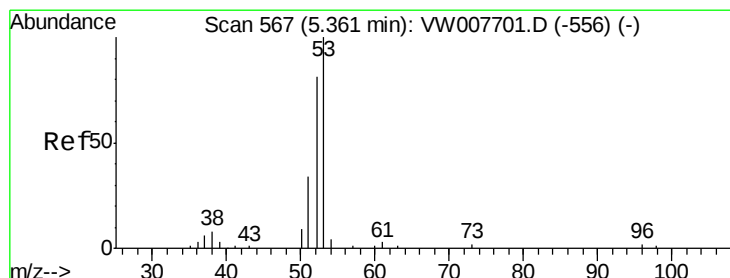
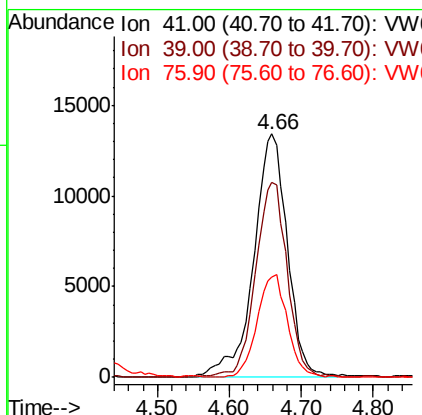
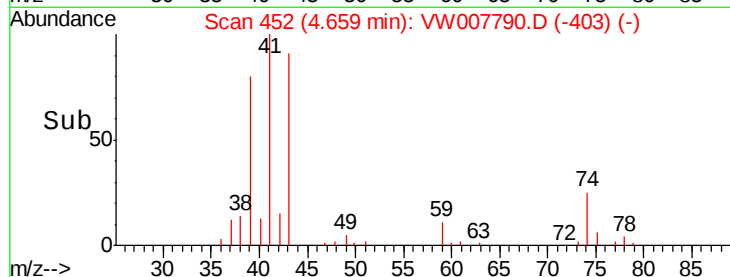
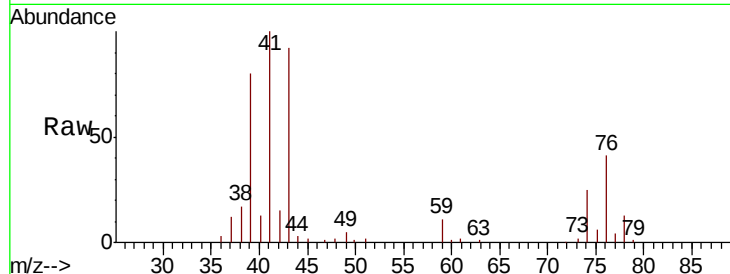
#14
 Allyl chloride
 Concen: 96.645 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.5	69.5	104.3
76	37.7	34.8	52.2

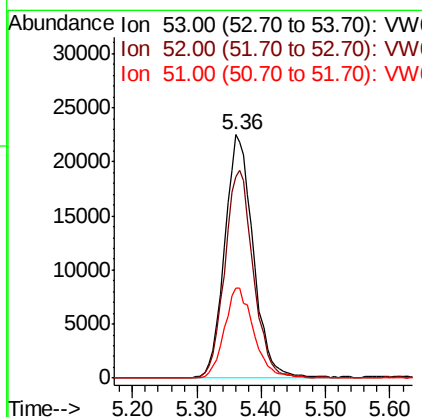
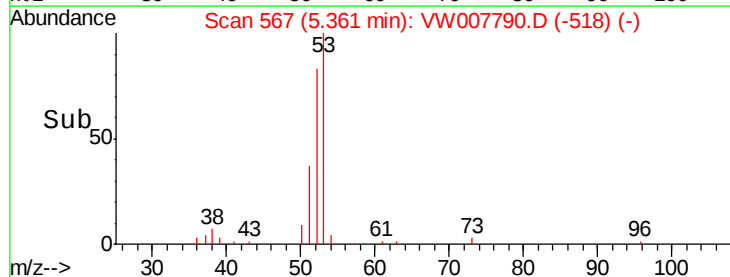
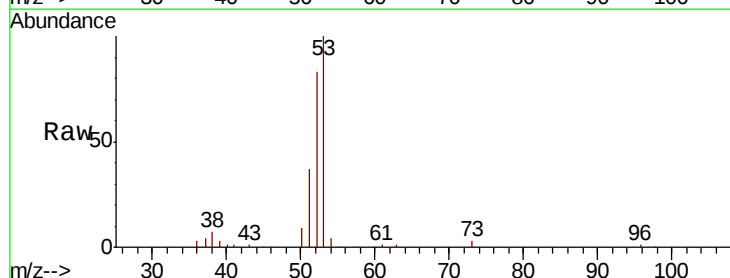
Manual Integrations
 APPROVED

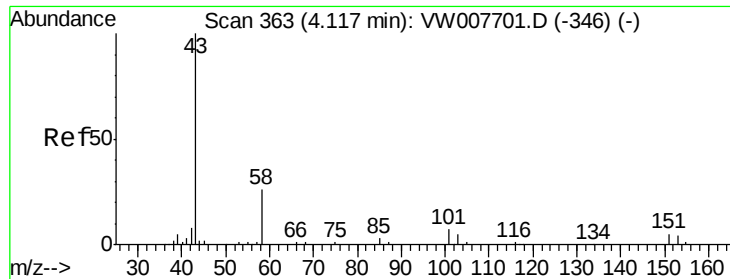
MMDadoda
 12/26/2018 4:33:50 PM



#15
 Acrylonitrile
 Concen: 1063.552 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Lower	Upper
53	100		
52	85.1	67.0	100.4
51	38.1	30.2	45.2





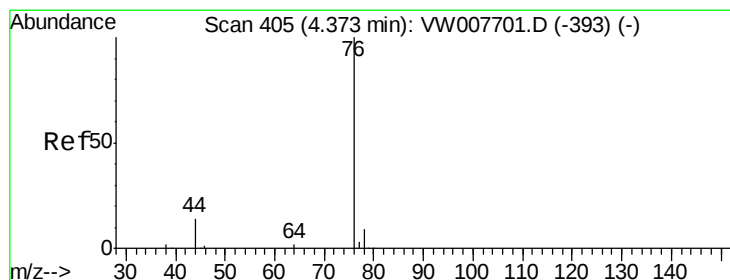
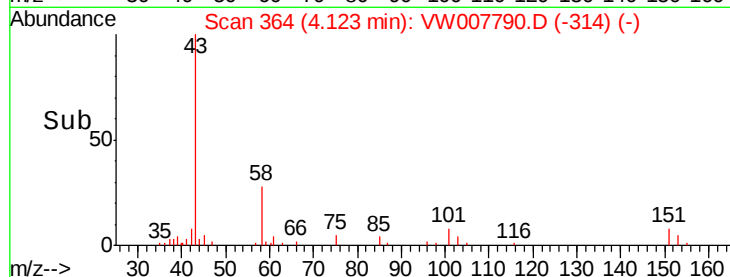
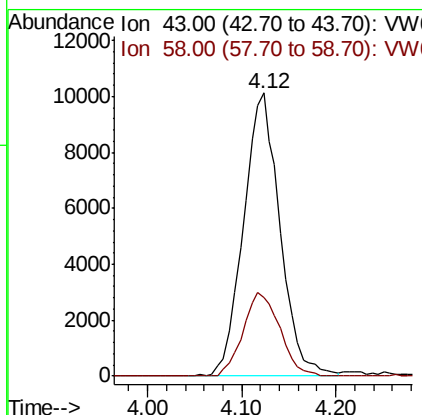
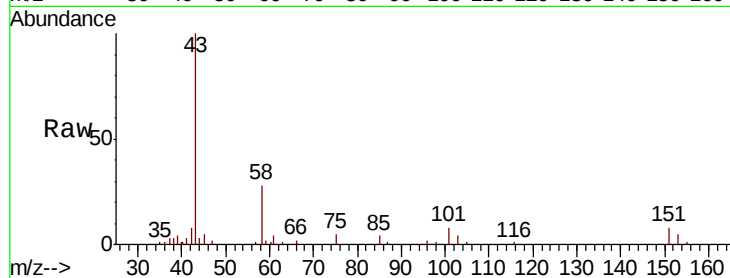
#16
Acetone
Concen: 382.601 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion: 43 Resp: 27420
Ion Ratio Lower Upper
43 100
58 27.8 21.2 31.8

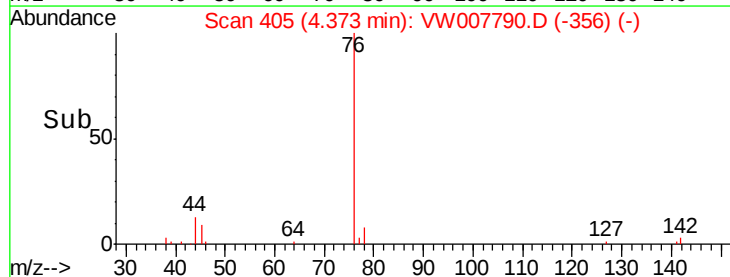
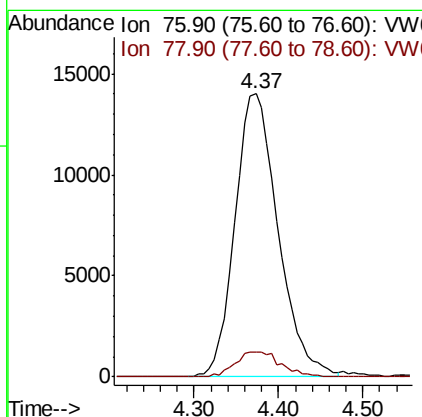
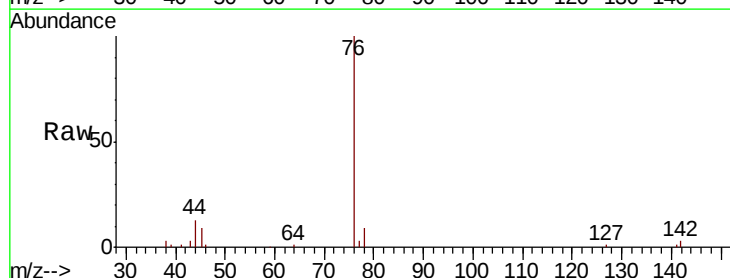
Manual Integrations
APPROVED

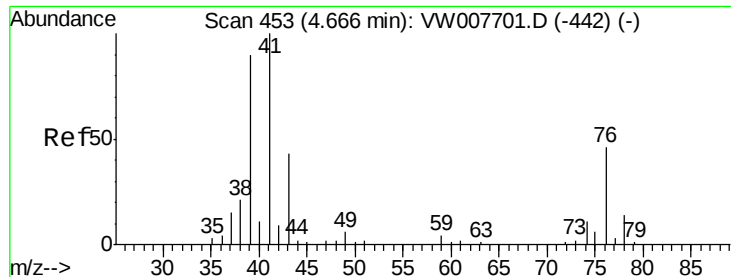
MMDadoda
12/26/2018 4:33:50 PM



#17
Carbon Disulfide
Concen: 45.710 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 76 Resp: 48731
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9





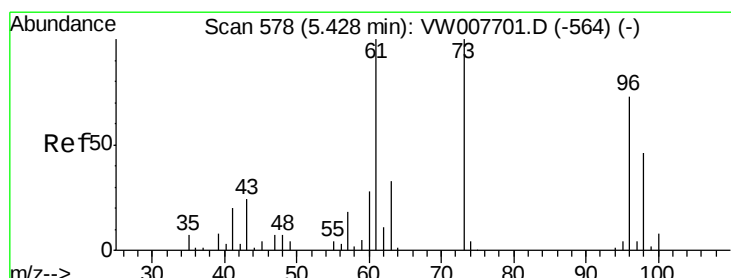
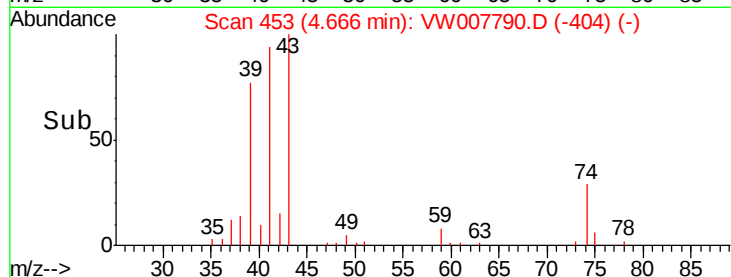
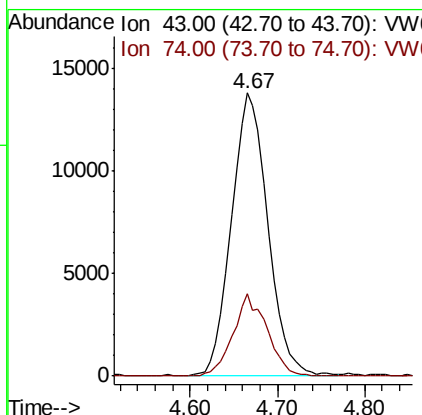
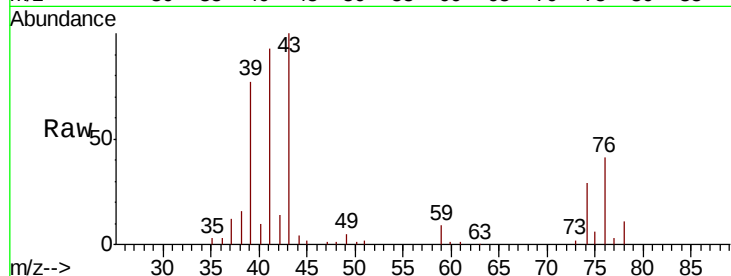
#18
Methyl Acetate
Concen: 234.134 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion: 43 Resp: 39906
Ion Ratio Lower Upper
43 100
74 26.9 22.7 34.1

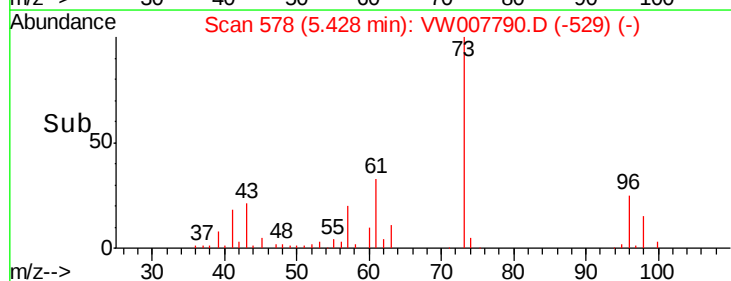
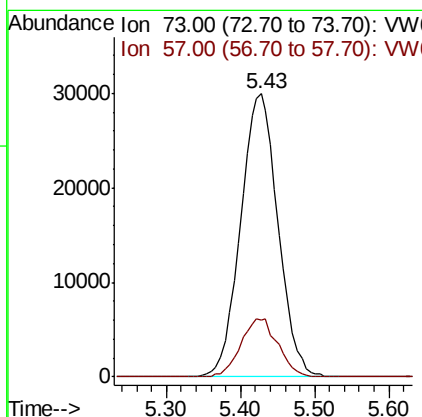
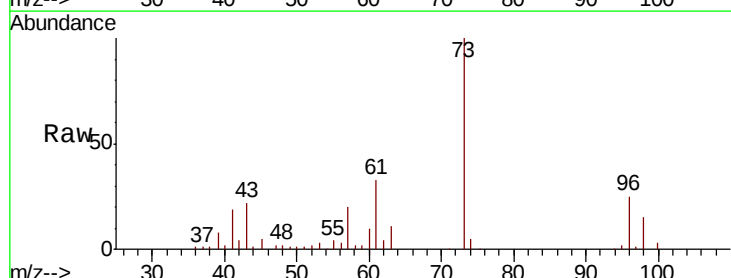
Manual Integrations
APPROVED

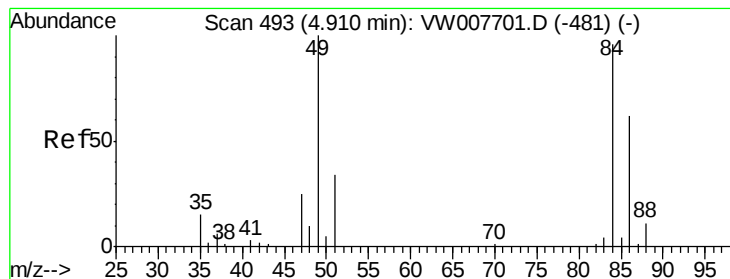
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 212.416 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 73 Resp: 105058
Ion Ratio Lower Upper
73 100
57 20.1 14.7 22.1





#20

Methylene Chloride

Concen: 158.855 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tgt Ion: 84 Resp: 52014

Ion Ratio Lower Upper

84 100

49 106.8 83.7 125.5

51 33.2 28.2 42.2

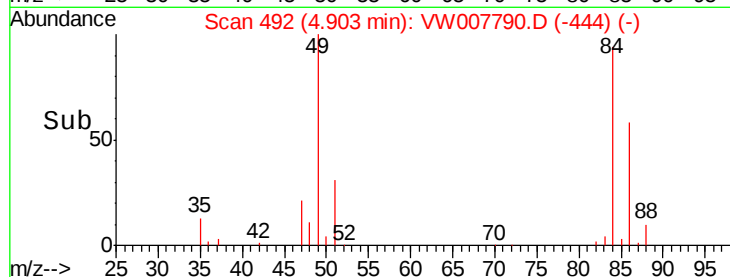
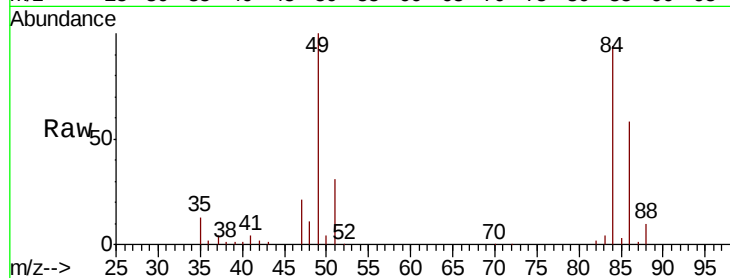
86 62.2 52.2 78.2

Manual Integrations

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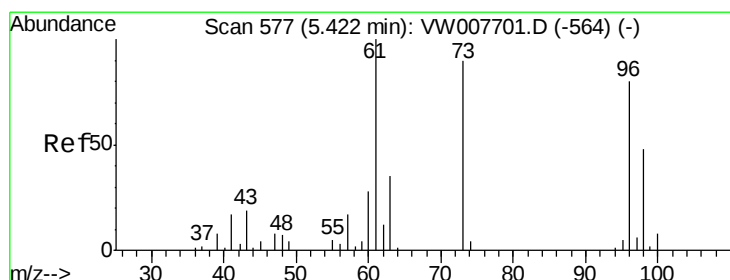
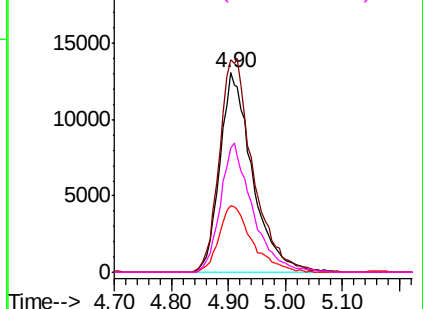


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 72.870 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

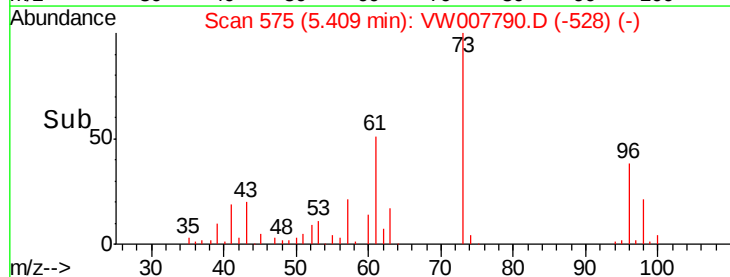
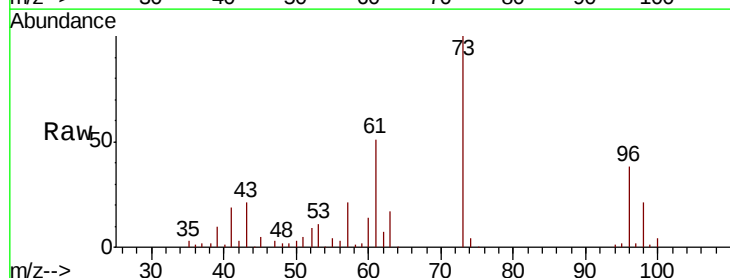
Tgt Ion: 96 Resp: 27610

Ion Ratio Lower Upper

96 100

61 133.9 100.1 150.1

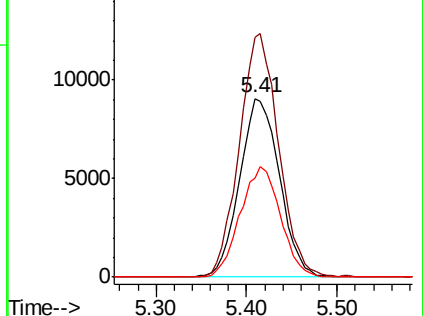
98 55.1 48.5 72.7

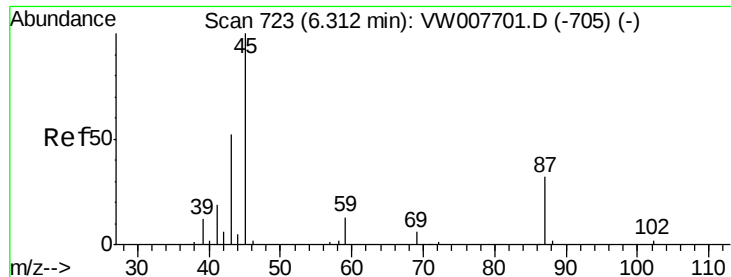


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#22

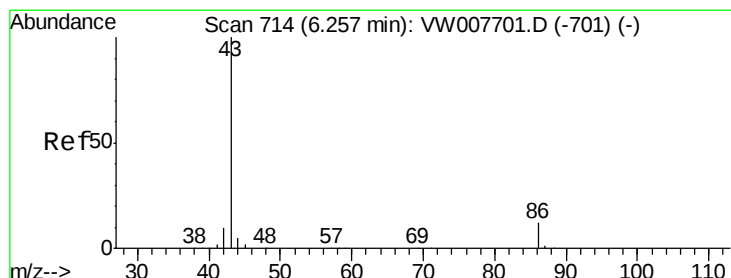
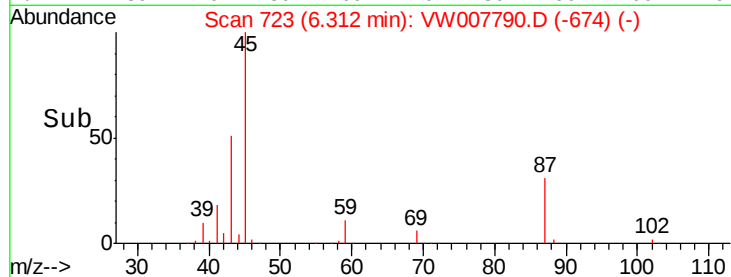
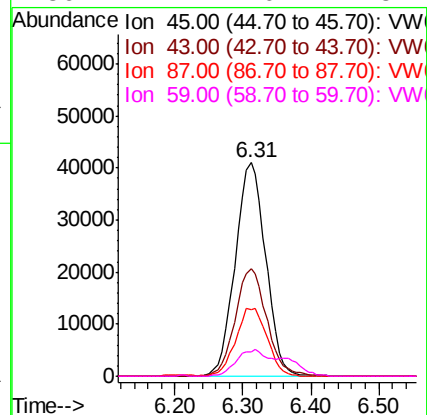
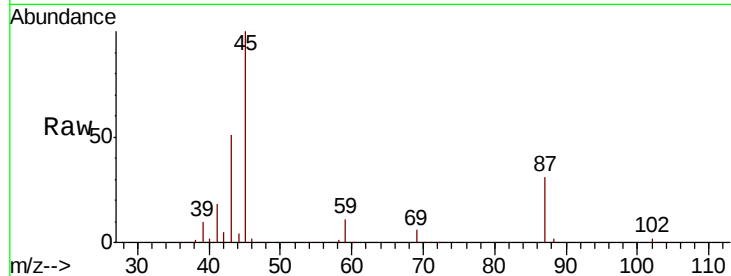
Diisopropyl ether
Concen: 150.875 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion	Ratio	Lower	Upper
45	100		
43	50.6	43.7	65.5
87	31.0	26.6	40.0
59	11.4	10.2	15.2

Manual Integrations
APPROVED

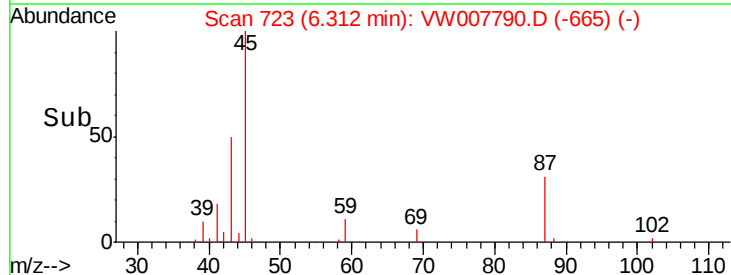
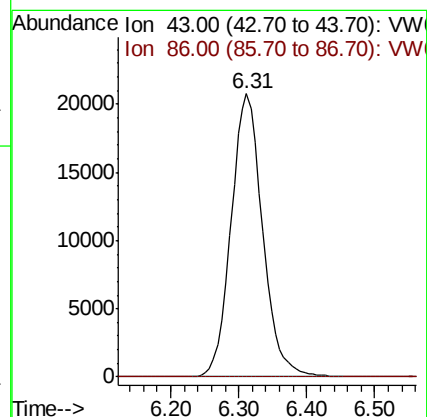
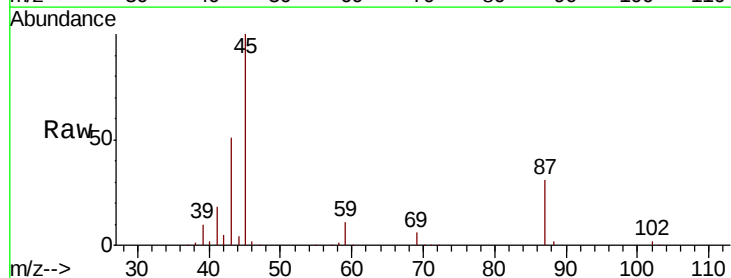
MMDadoda
12/26/2018 4:33:50 PM

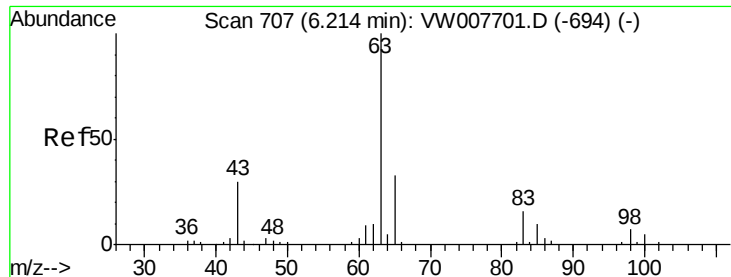


#23

Vinyl Acetate
Concen: 132.753 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.05 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.6	14.4#





#24

1,1-Dichloroethane

Concen: 103.428 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

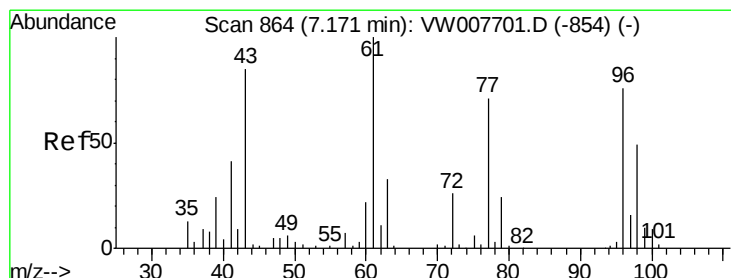
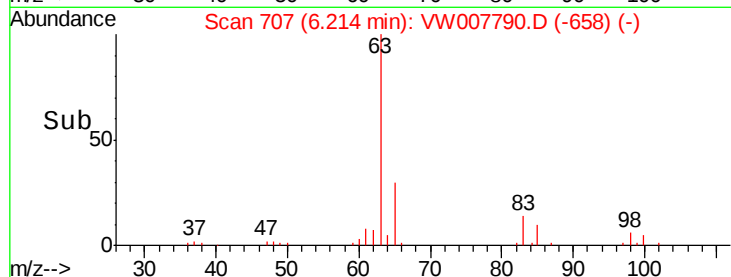
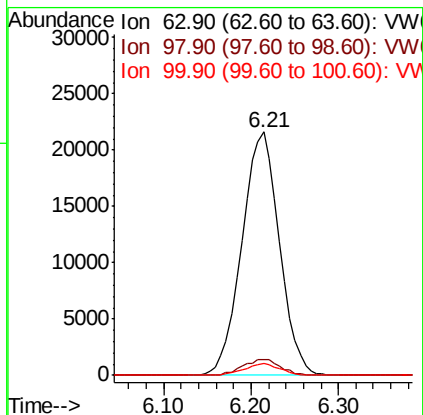
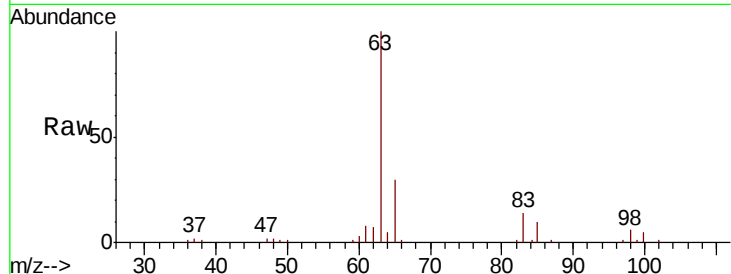
ClientSampleId :

P001-DS001-01MS

Tgt Ion:	63	Resp:	64365
Ion Ratio	Lower	Upper	
63	100		
98	6.3	3.6	10.9
100	4.8	2.5	7.5

Manual Integrations
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MMDadoda
12/26/2018 4:33:50 PM



#25

2-Butanone

Concen: 408.155 ug/l

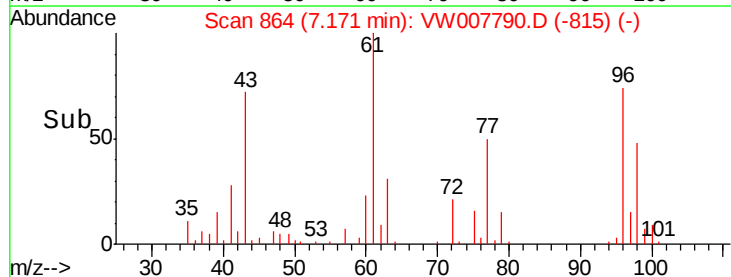
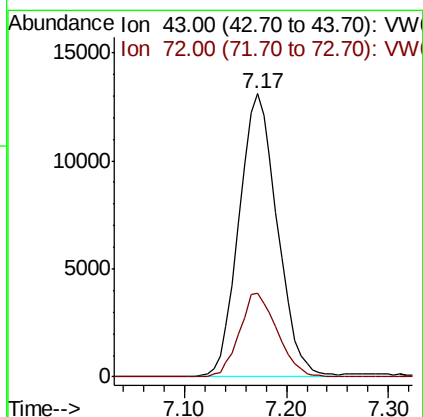
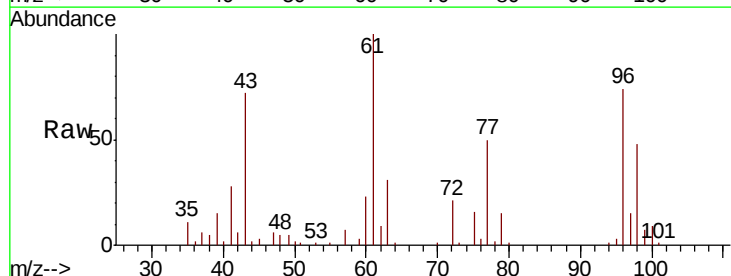
RT: 7.17 min Scan# 864

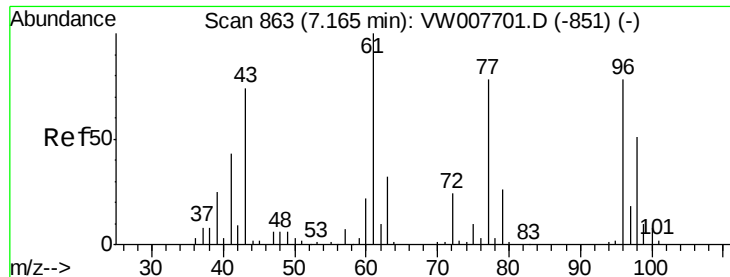
Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Tgt Ion:	43	Resp:	34262
Ion Ratio	Lower	Upper	
43	100		
72	29.6	24.5	36.7





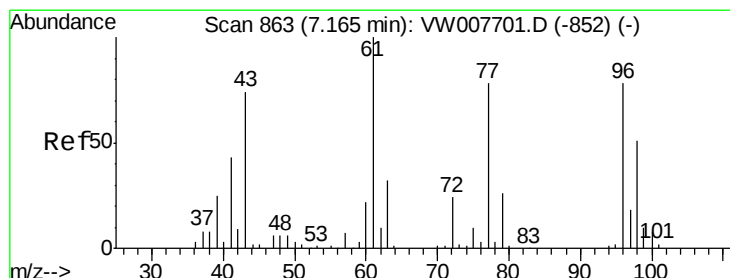
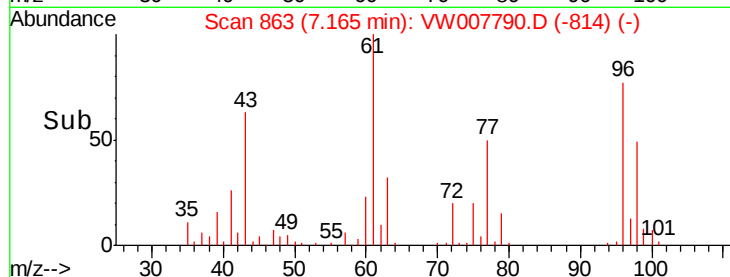
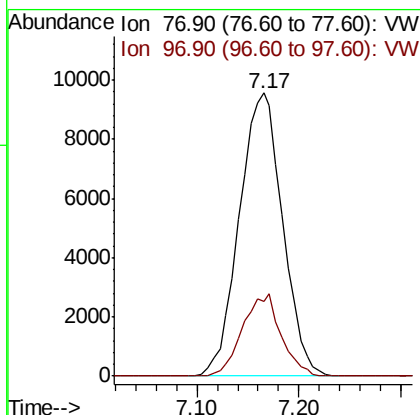
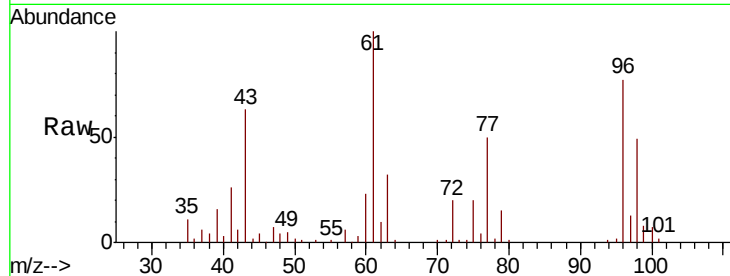
#26
 2,2-Dichloropropane
 Concen: 61.767 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tgt Ion: 77 Resp: 28128
 Ion Ratio Lower Upper
 77 100
 97 25.8 11.3 33.9

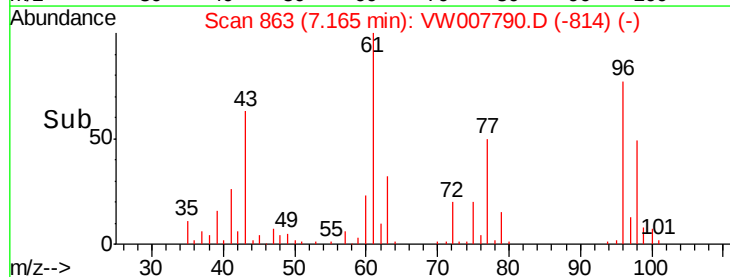
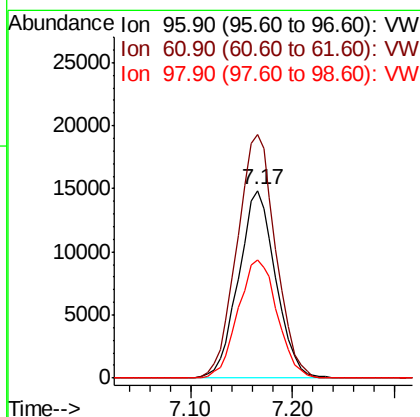
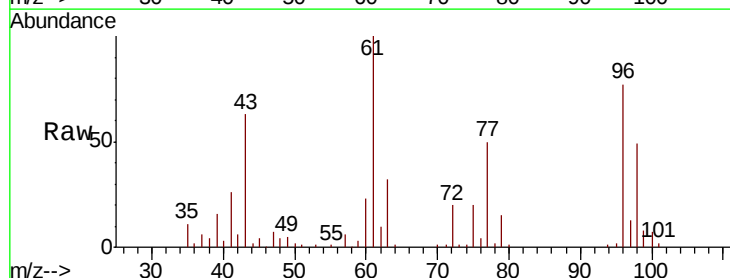
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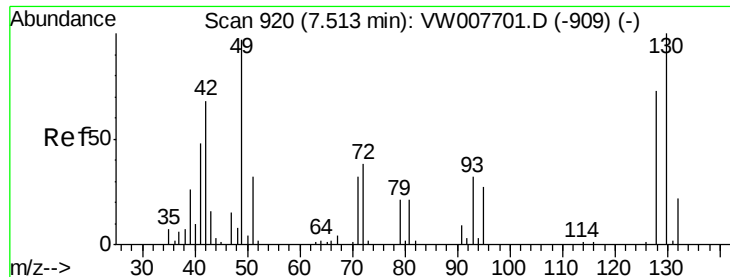
MMDadoda
 12/26/2018 4:33:50 PM



#27
 cis-1,2-Dichloroethene
 Concen: 93.029 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 96 Resp: 37553
 Ion Ratio Lower Upper
 96 100
 61 134.9 0.0 271.6
 98 66.4 0.0 131.2





#28

Bromochloromethane

Concen: 127.108 ug/l

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

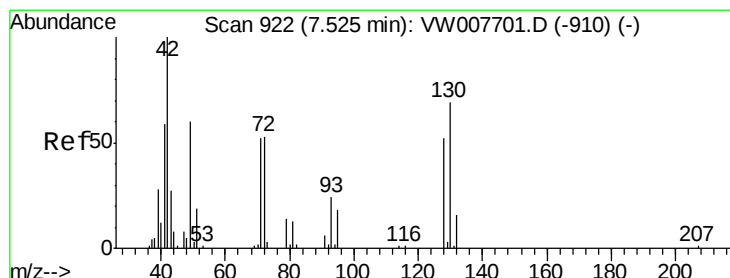
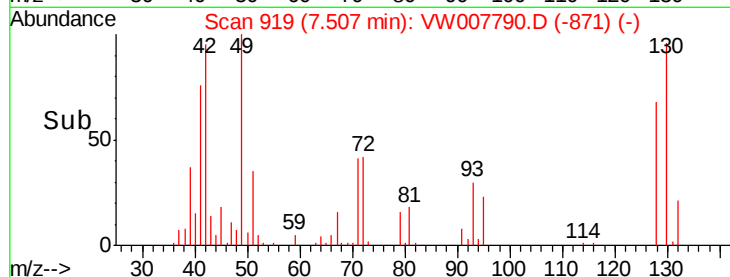
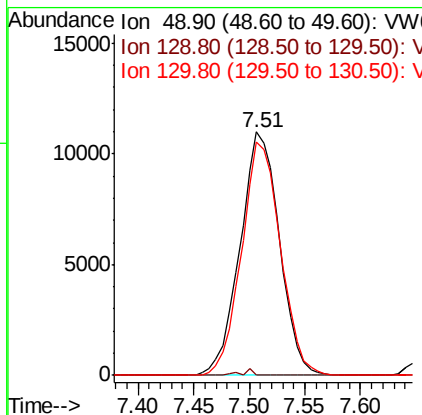
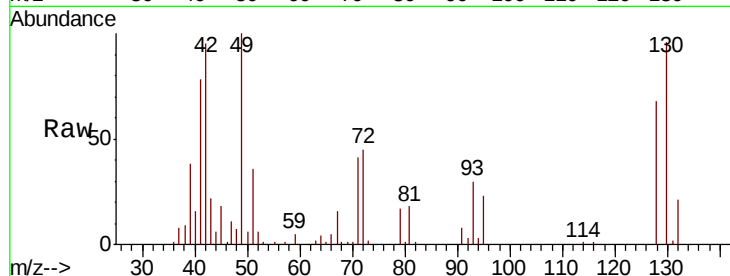
ClientSampleId :

P001-DS001-01MS

Tgt Ion:	49	Resp:	26970
Ion Ratio	Lower	Upper	
49	100		
129	0.8	0.0	2.2
130	95.0	81.5	122.3

Manual Integrations
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#29

Tetrahydrofuran

Concen: 1281.521 ug/l

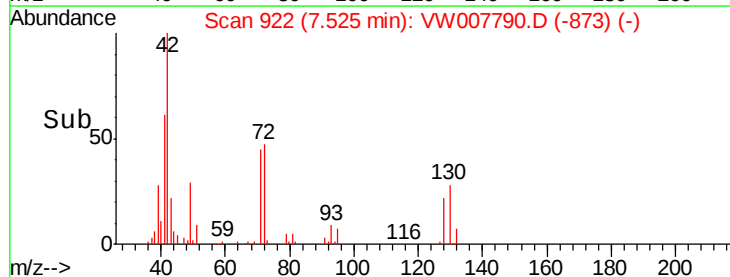
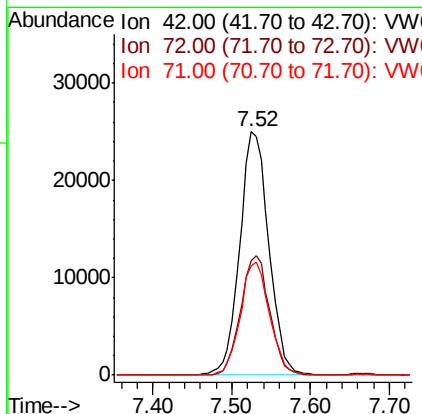
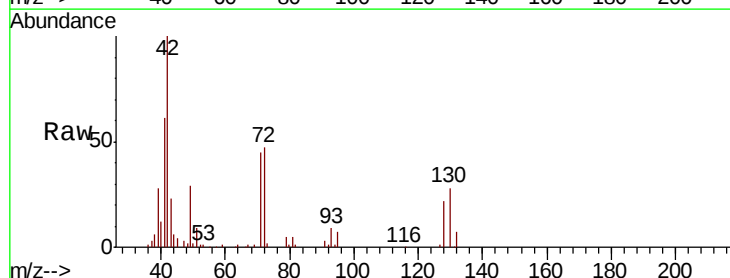
RT: 7.52 min Scan# 922

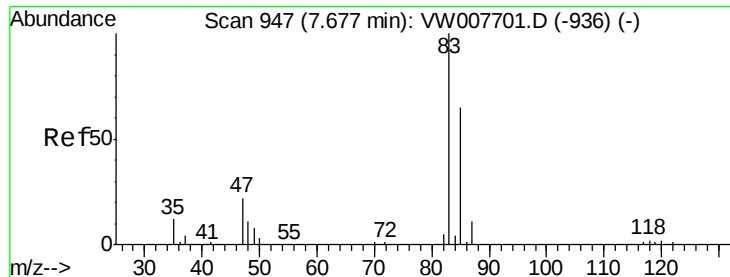
Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Tgt Ion:	42	Resp:	64167
Ion Ratio	Lower	Upper	
42	100		
72	48.9	41.7	62.5
71	46.5	39.0	58.6





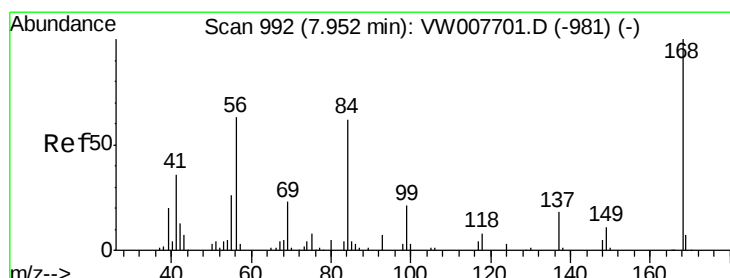
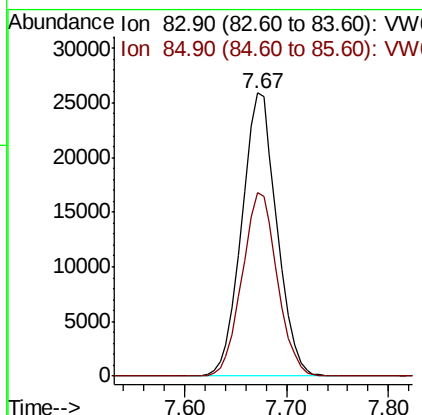
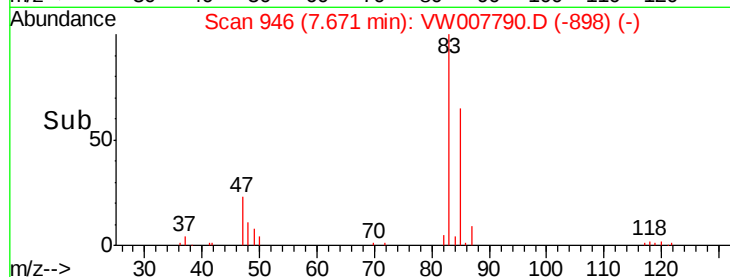
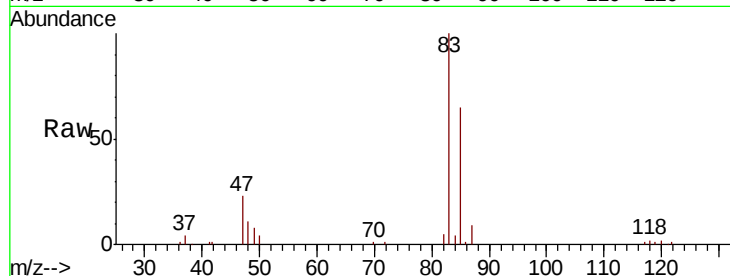
#30
Chloroform
Concen: 87.763 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion: 83 Resp: 61809
Ion Ratio Lower Upper
83 100
85 64.7 52.2 78.2

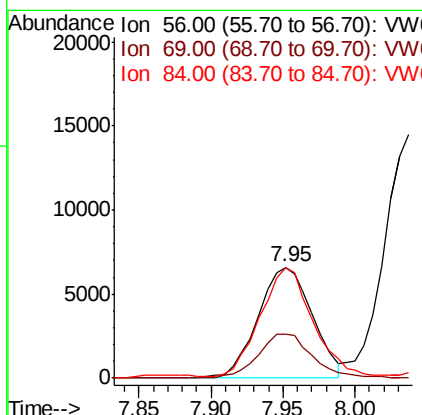
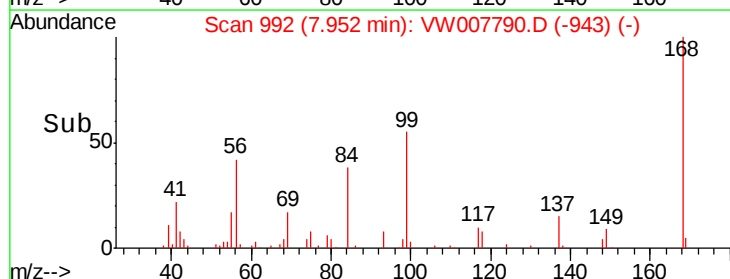
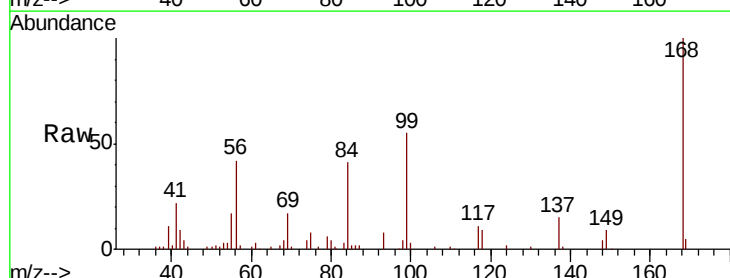
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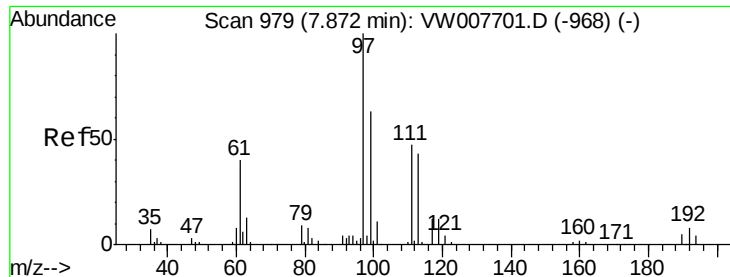
MMDadoda
12/26/2018 4:33:50 PM



#31
Cyclohexane
Concen: 30.196 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 56 Resp: 17203
Ion Ratio Lower Upper
56 100
69 39.9 29.7 44.5
84 97.0 78.9 118.3





#32

1,1,1-Trichloroethane

Concen: 50.446 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

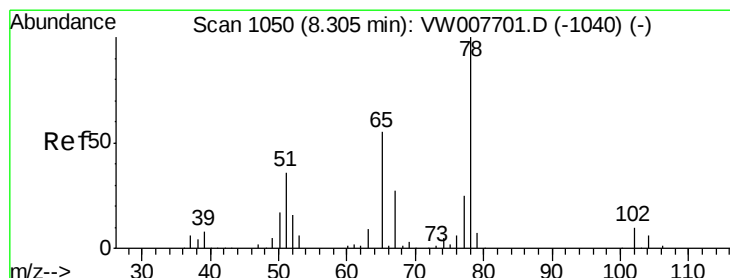
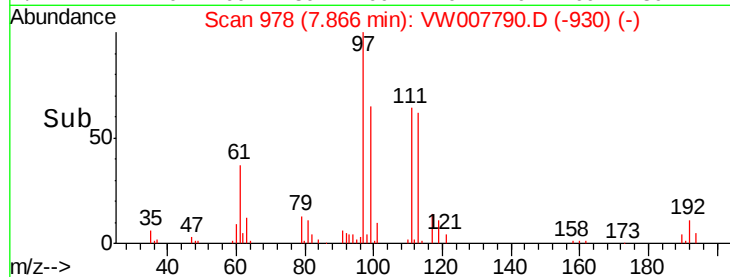
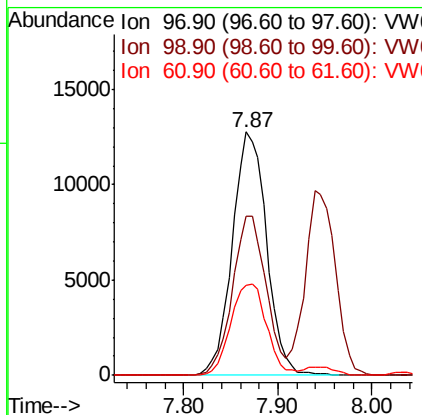
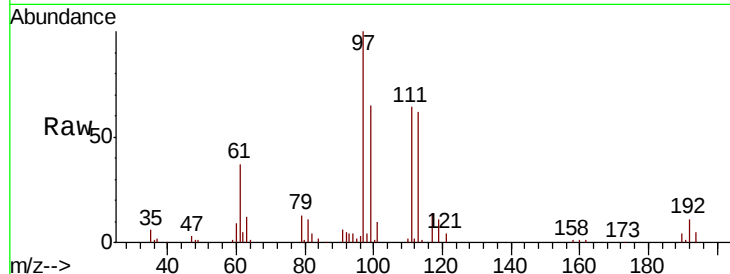
ClientSampleId :

P001-DS001-01MS

Tgt Ion:	97	Resp:	32357
Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.6	76.0
61	39.4	32.3	48.5

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 116.797 ug/l

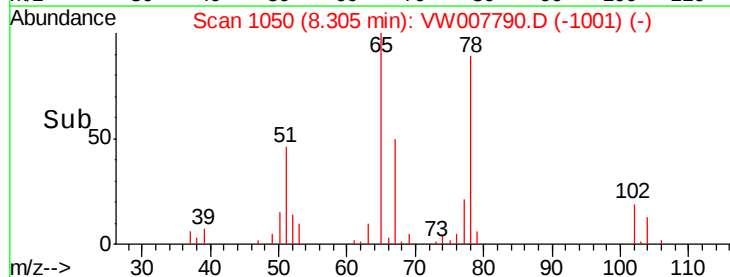
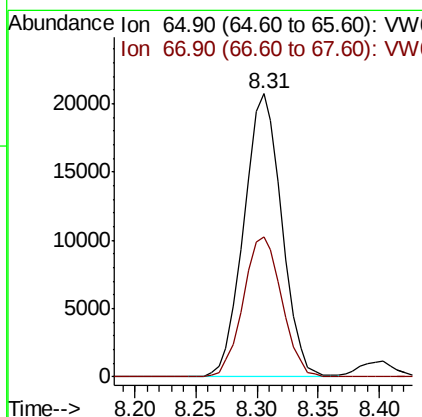
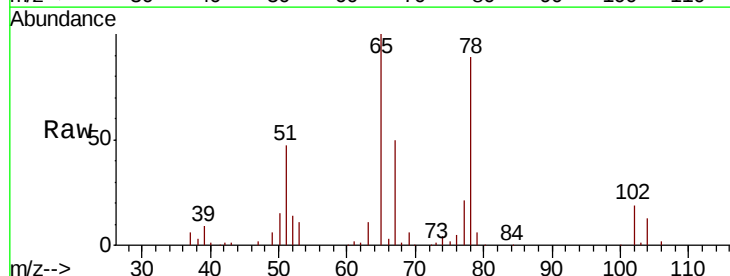
RT: 8.31 min Scan# 1050

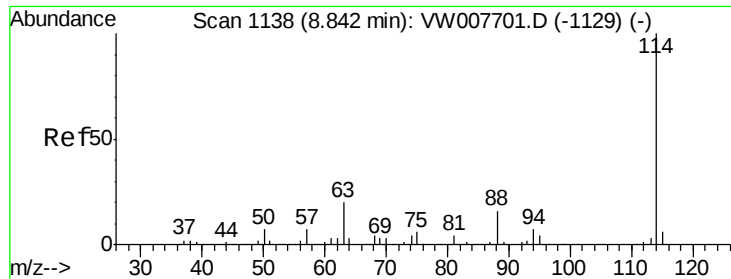
Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Tgt Ion:	65	Resp:	44700
Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.6





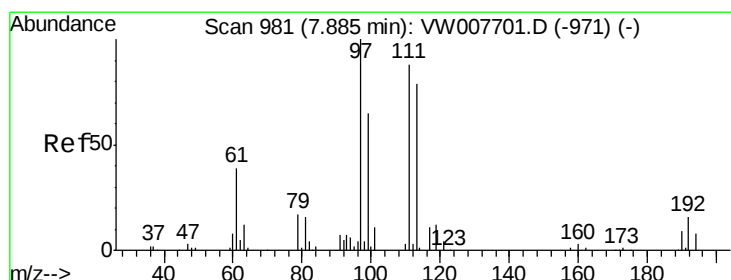
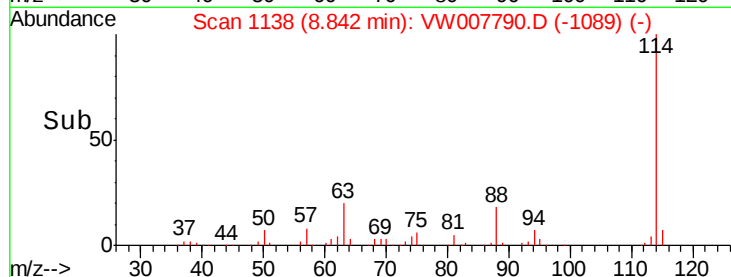
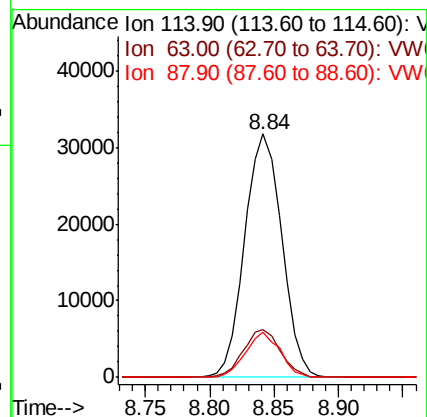
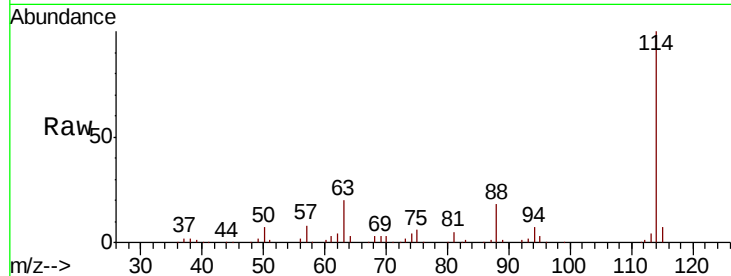
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	18.4	0.0	32.6

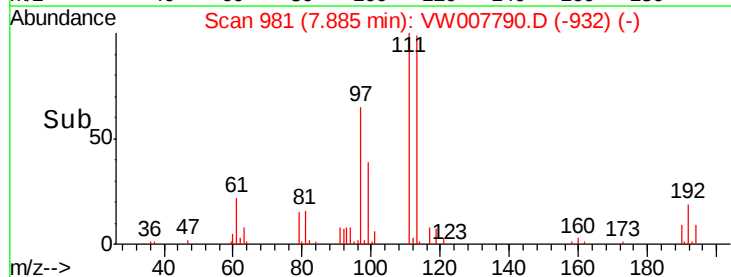
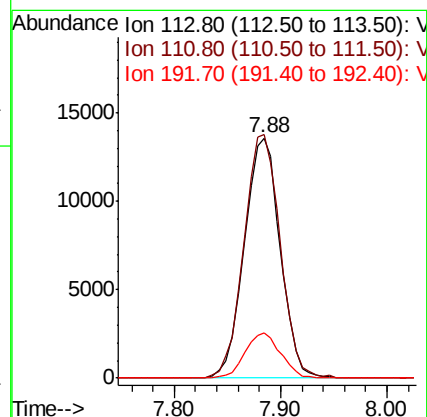
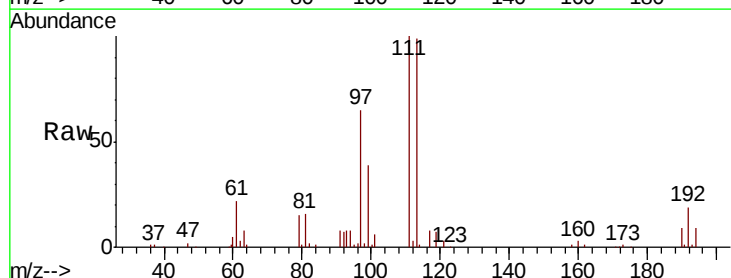
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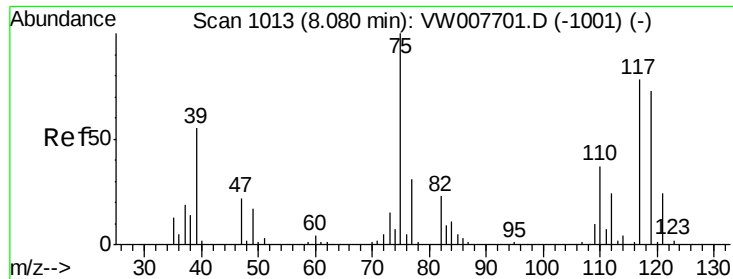
MMDadoda
12/26/2018 4:33:50 PM



#35
Dibromofluoromethane
Concen: 82.831 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	18.7	15.5	23.3





#36

1,1-Dichloropropene

Concen: 33.158 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tgt Ion: 75 Resp: 20313

Ion Ratio Lower Upper

75 100

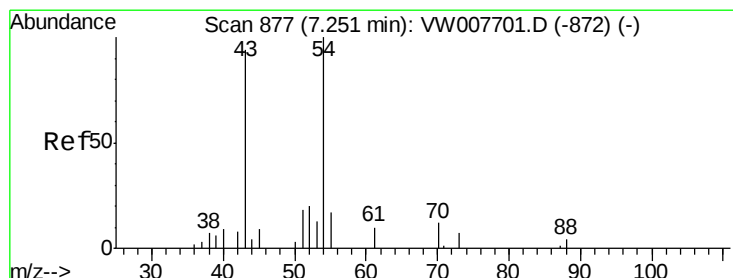
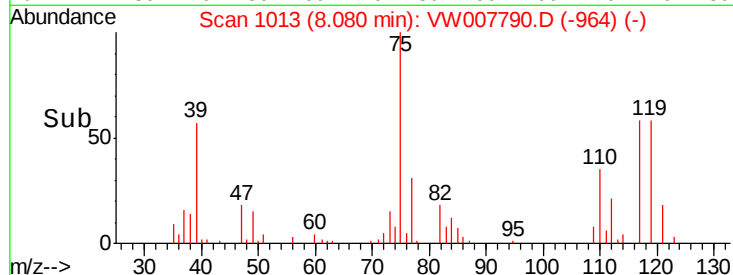
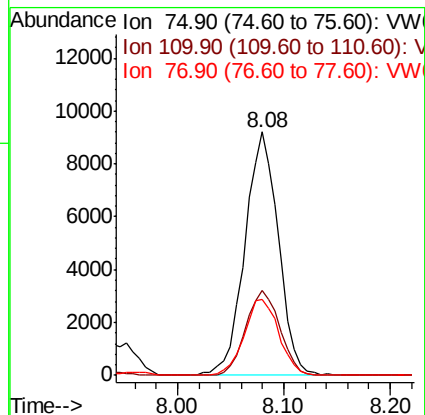
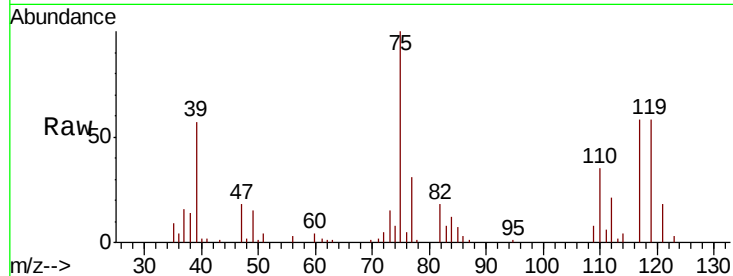
110 35.3 18.6 55.8

77 32.4 25.0 37.4

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#37

Ethyl Acetate

Concen: 162.054 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

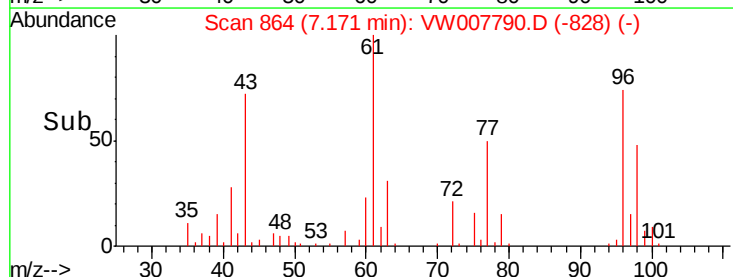
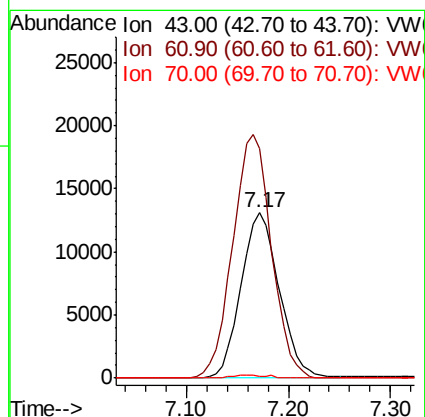
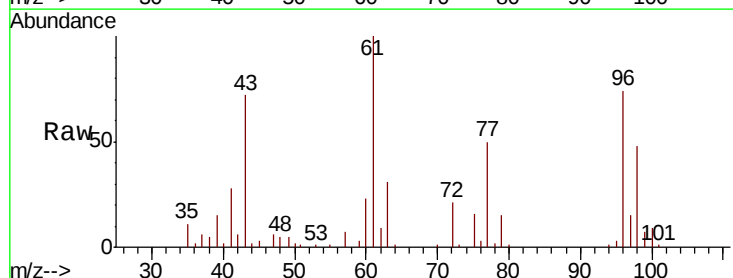
Tgt Ion: 43 Resp: 34262

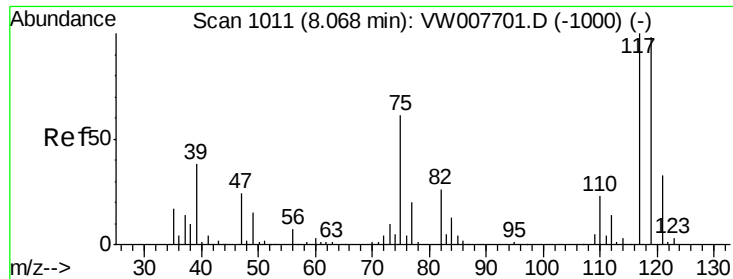
Ion Ratio Lower Upper

43 100

61 147.9 11.2 16.8#

70 1.7 9.3 13.9#





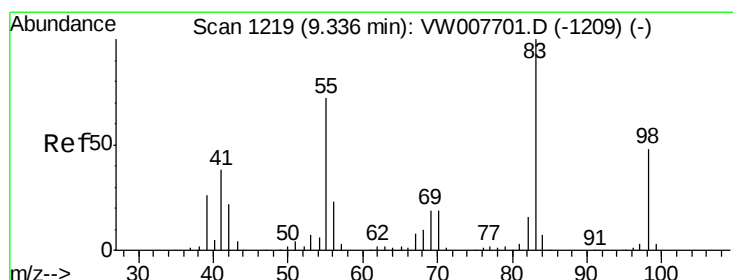
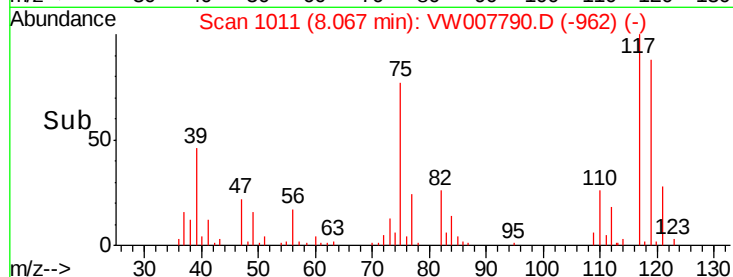
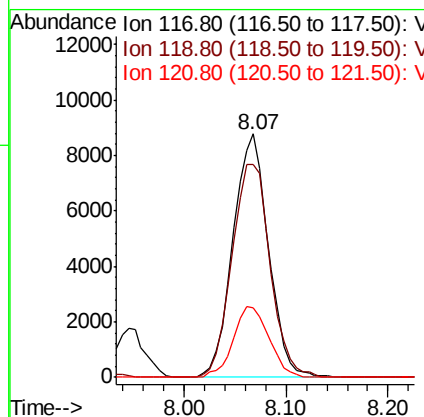
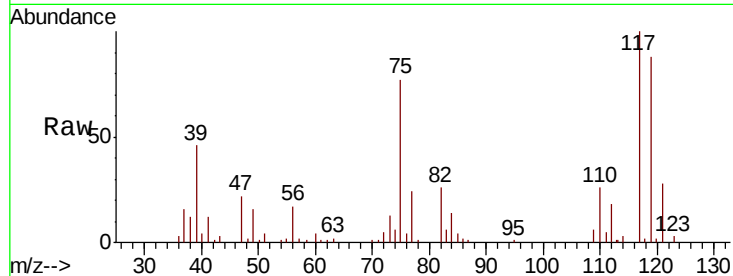
#38
Carbon Tetrachloride
Concen: 29.258 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion: 117 Resp: 21109
Ion Ratio Lower Upper
117 100
119 87.6 78.2 117.2
121 28.5 26.1 39.1

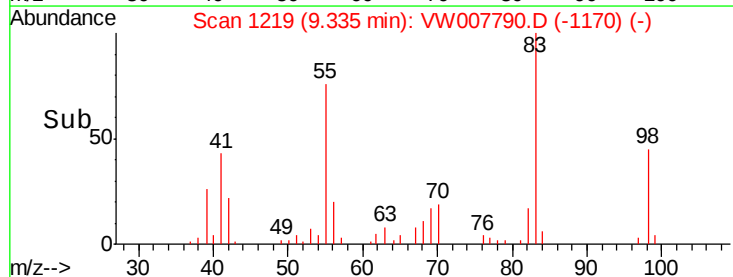
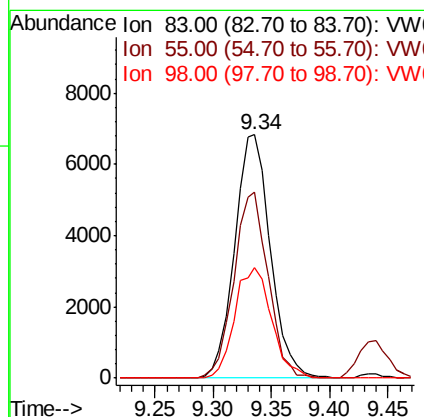
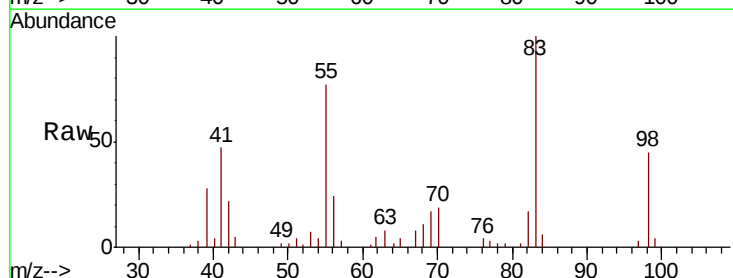
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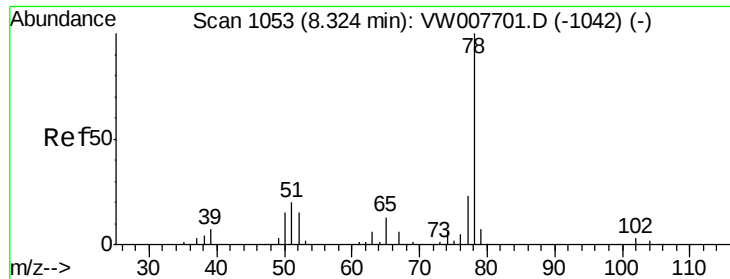
MMDadoda
12/26/2018 4:33:50 PM



#39
Methylcyclohexane
Concen: 19.212 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 83 Resp: 14625
Ion Ratio Lower Upper
83 100
55 76.6 57.2 85.8
98 45.5 38.6 58.0





#40

Benzene

Concen: 46.307 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tgt Ion: 78 Resp: 75701

Ion Ratio Lower Upper

78 100

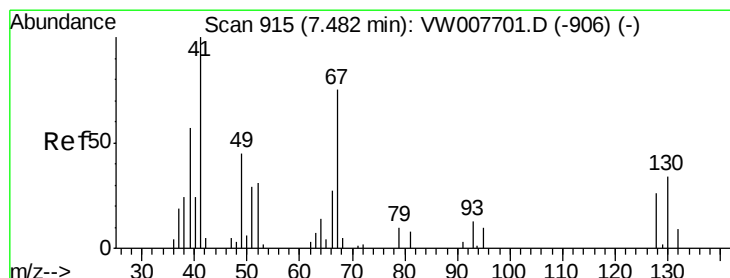
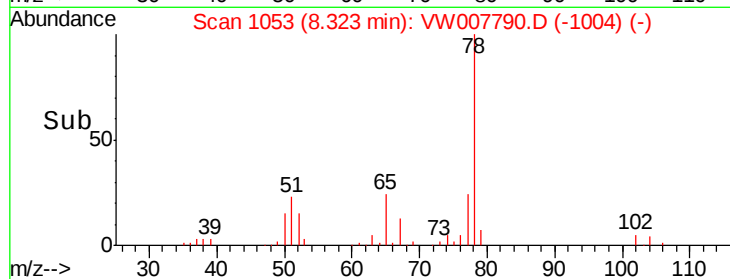
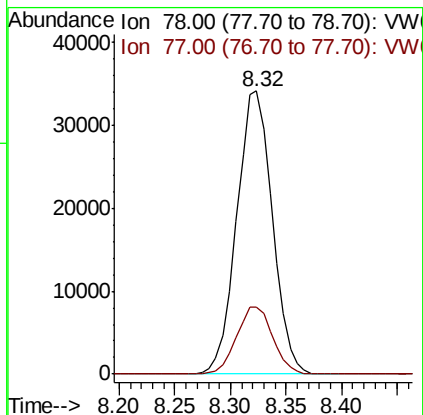
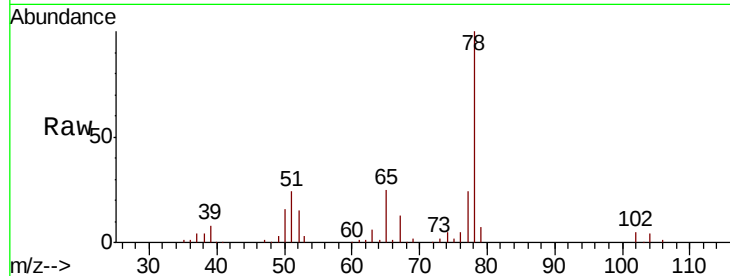
77 23.7 18.7 28.1

Manual Integrations

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#41

Methacrylonitrile

Concen: 139.750 ug/l m

RT: 7.50 min Scan# 918

Delta R.T. 0.02 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Tgt Ion: 41 Resp: 16775

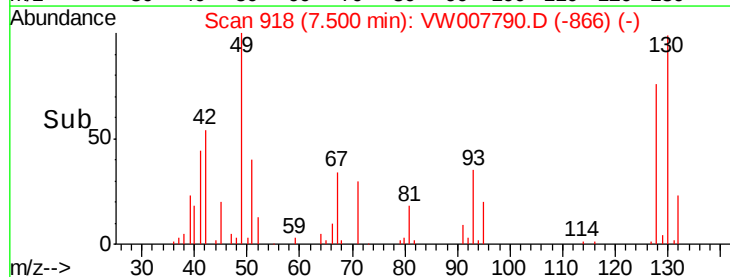
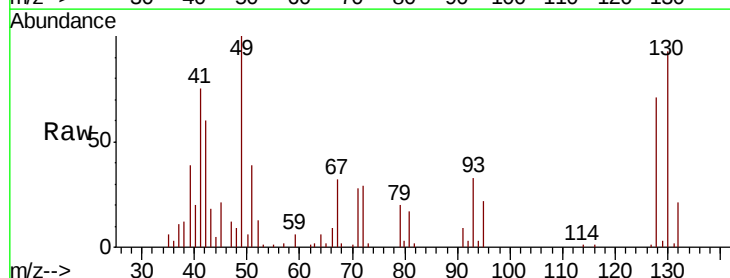
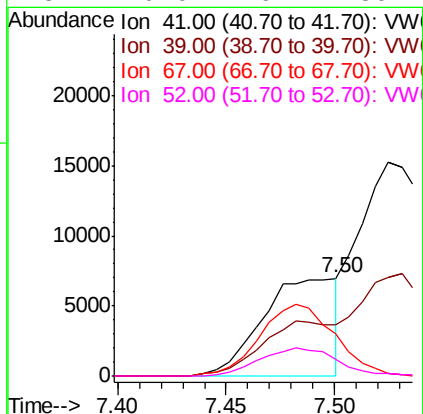
Ion Ratio Lower Upper

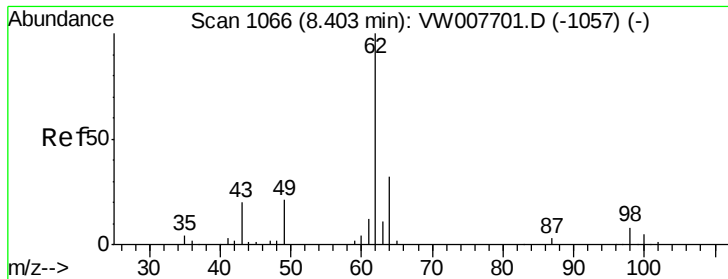
41 100

39 107.2 54.2 81.4#

67 0.0 65.7 98.5#

52 0.0 26.2 39.4#





#42

1,2-Dichloroethane

Concen: 105.952 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tgt Ion: 62 Resp: 58045

Ion Ratio Lower Upper

62 100

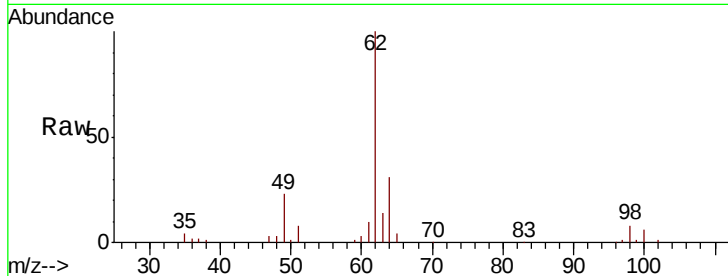
98 8.9 0.0 16.6

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

8.40

30000

25000

20000

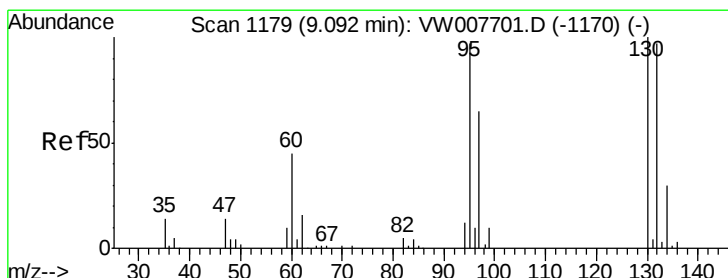
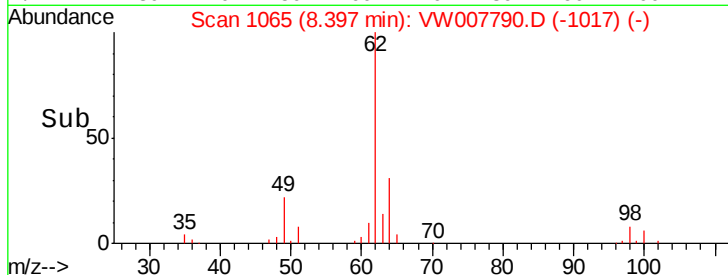
15000

10000

5000

0

Time--> 8.30 8.35 8.40 8.45 8.50



#44

Trichloroethene

Concen: 31.943 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007790.D

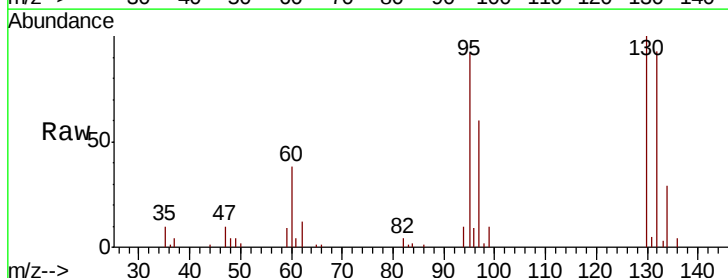
Acq: 21 Dec 2018 12:34

Tgt Ion: 130 Resp: 15792

Ion Ratio Lower Upper

130 100

95 92.1 0.0 194.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

10000

8000

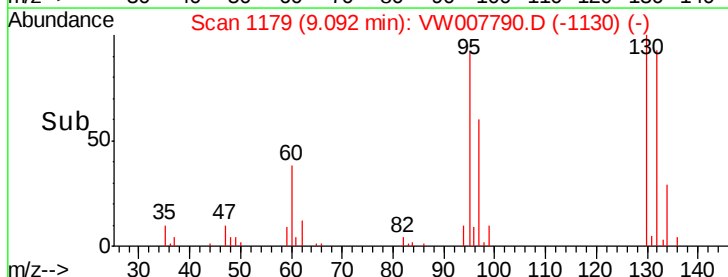
6000

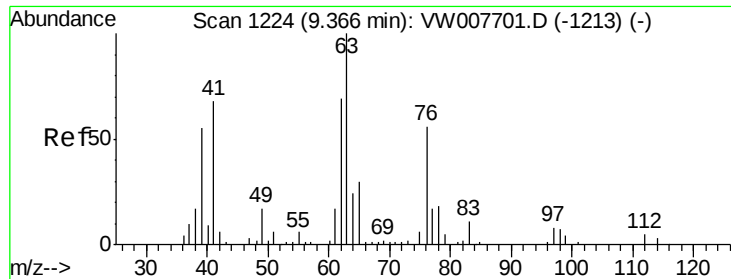
4000

2000

0

Time--> 9.00 9.05 9.10 9.15





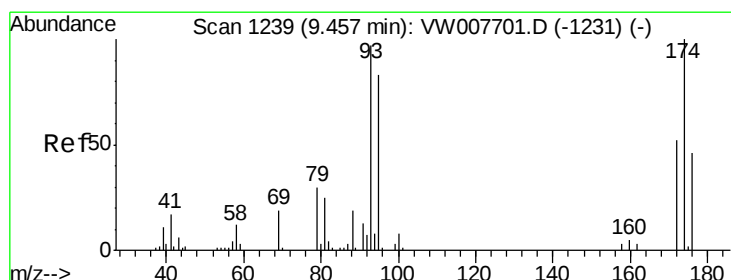
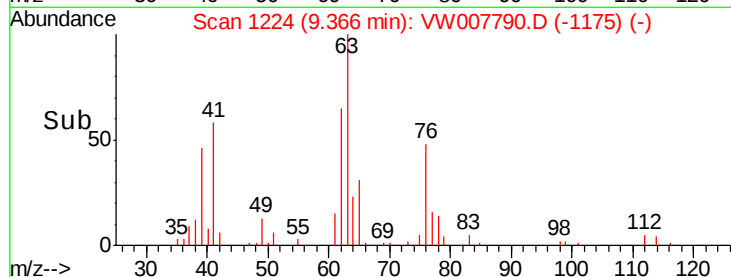
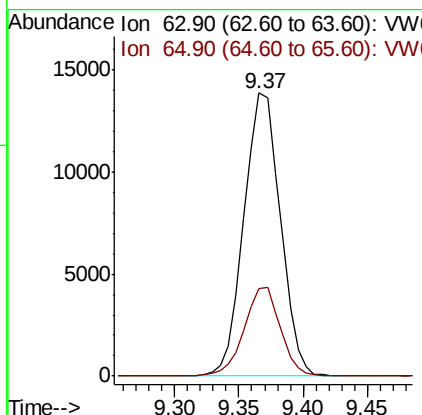
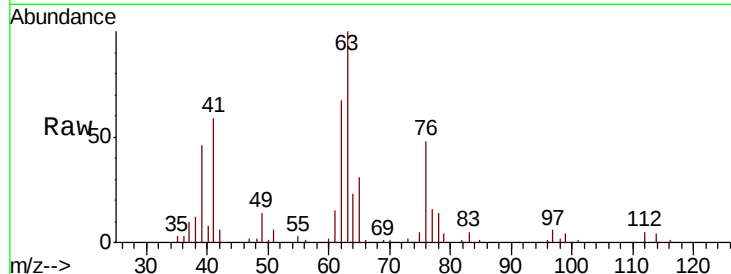
#45
 1,2-Dichloropropane
 Concen: 74.961 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tgt Ion: 63 Resp: 27191
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.8 35.8

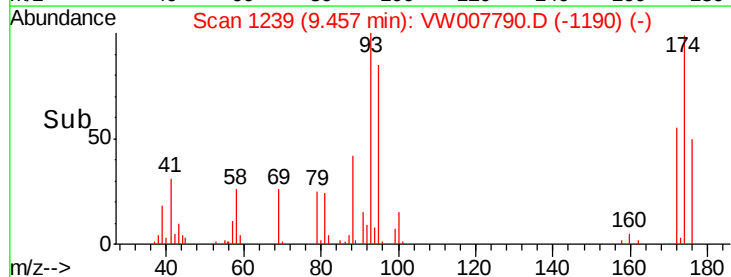
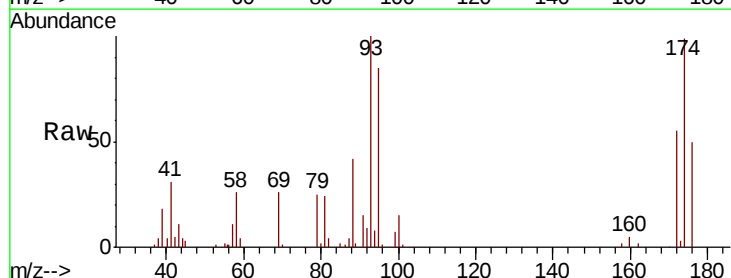
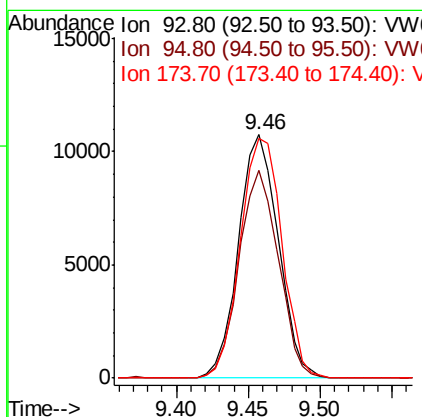
Manual Integrations
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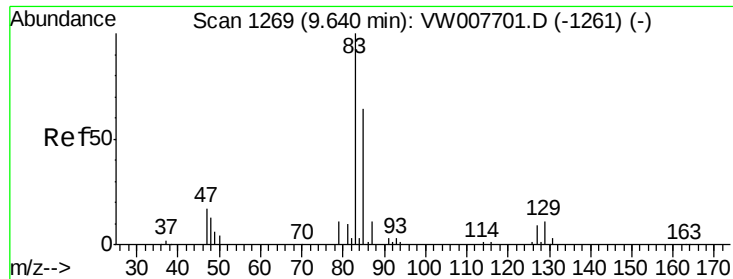
MMDadoda
 12/26/2018 4:33:50 PM



#46
 Dibromomethane
 Concen: 92.534 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 93 Resp: 20662
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.5 101.3
 174 102.8 83.9 125.9





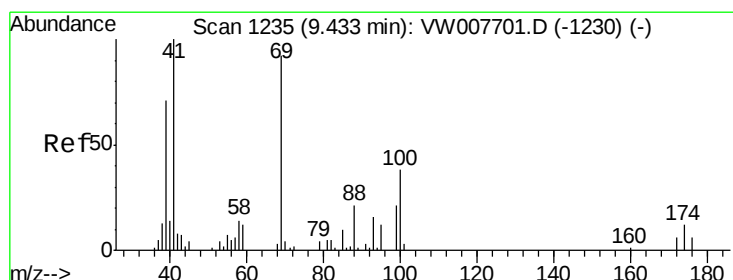
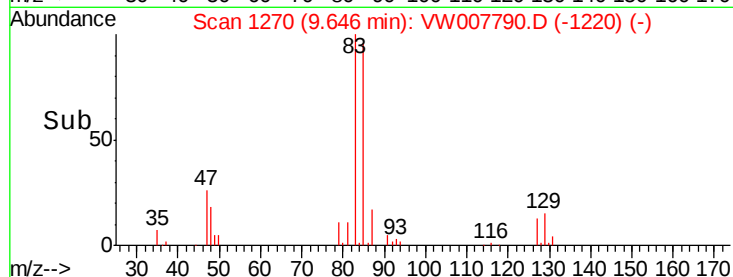
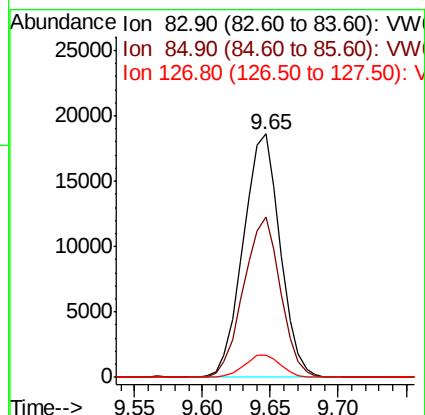
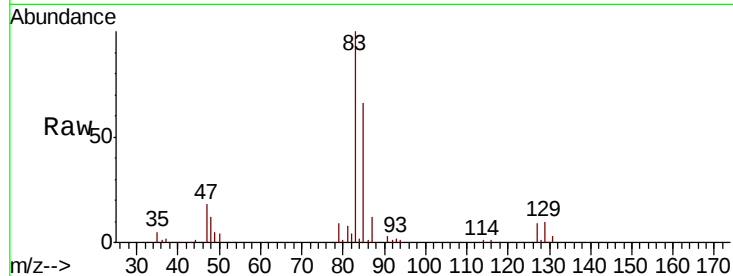
#47
Bromodichloromethane
Concen: 60.327 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	35413		
85	65.7	51.4	77.0	
127	9.0	7.5	11.3	

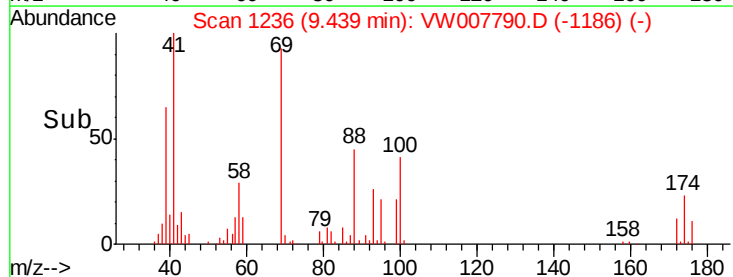
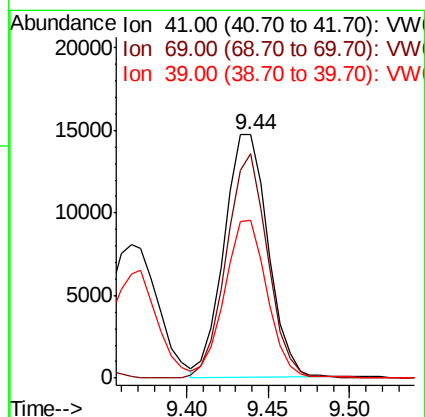
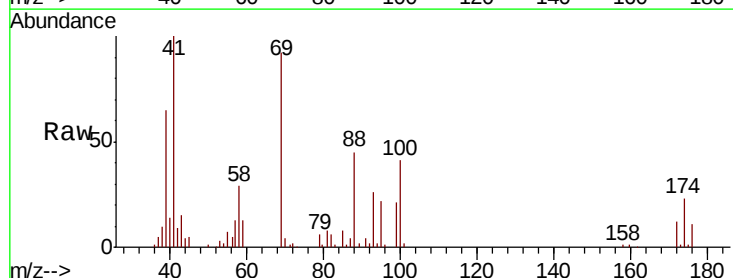
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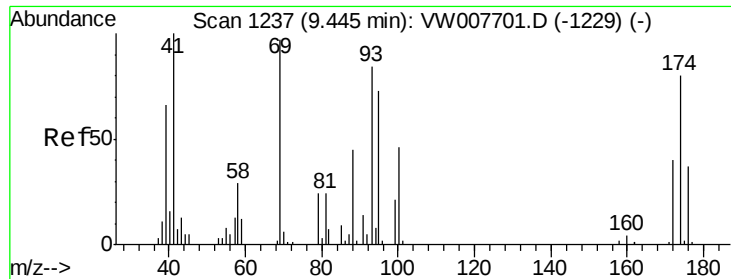
MMDadoda
12/26/2018 4:33:50 PM



#48
Methyl methacrylate
Concen: 130.753 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	27645		
69	86.9	74.2	111.2	
39	63.2	53.9	80.9	





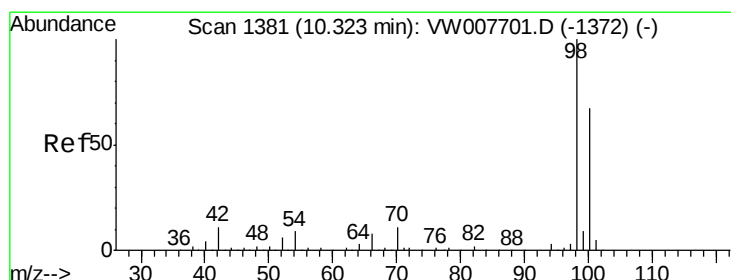
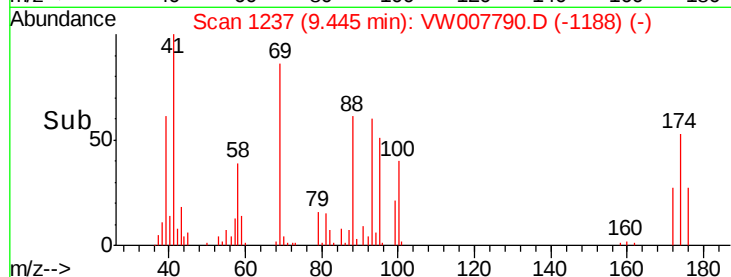
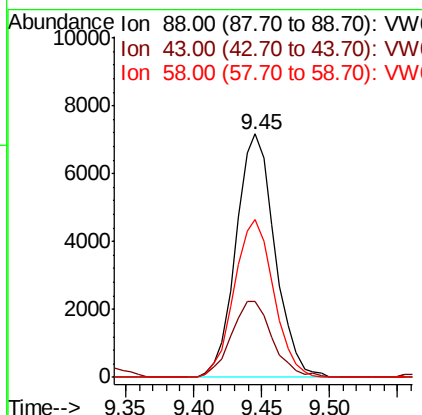
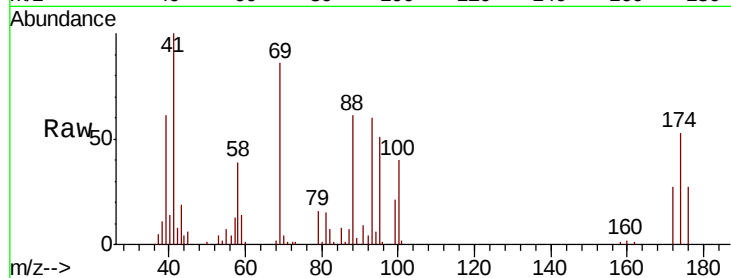
#49
1,4-Dioxane
Concen: 4034.814 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion: 88 Resp: 14284
Ion Ratio Lower Upper
88 100
43 32.9 25.6 38.4
58 65.7 52.3 78.5

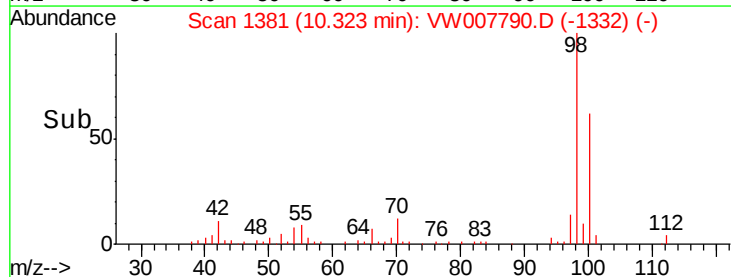
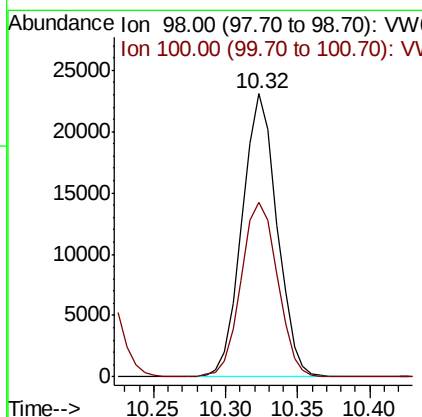
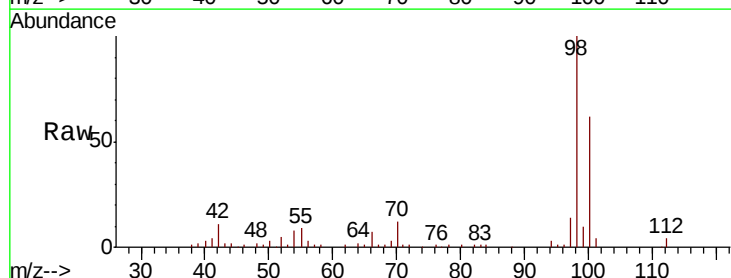
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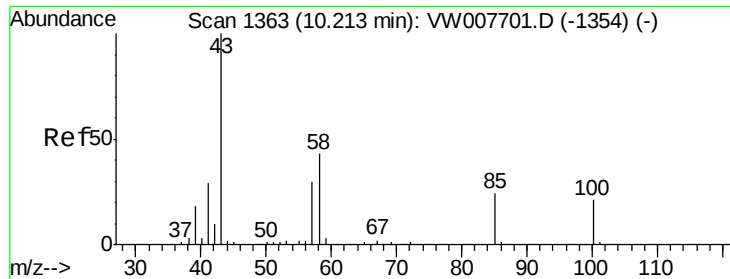
MMDadoda
12/26/2018 4:33:50 PM



#50
Toluene-d8
Concen: 26.588 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 98 Resp: 38811
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 510.632 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tgt Ion: 43 Resp: 102219

Ion Ratio Lower Upper

43 100

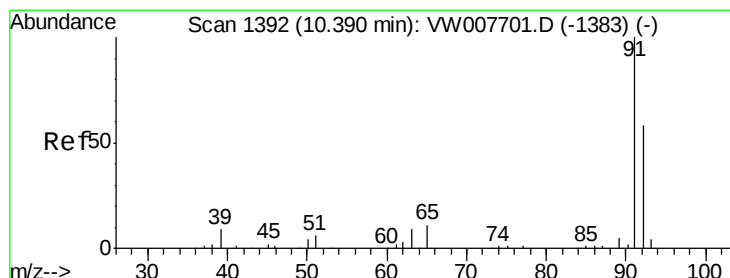
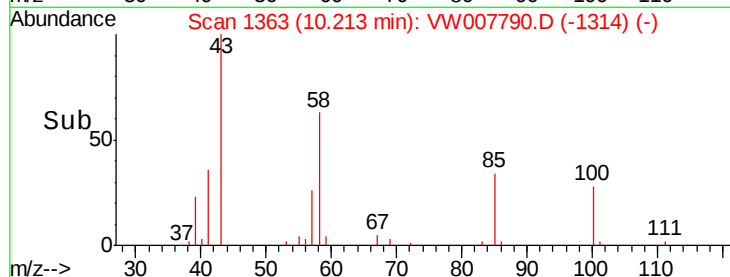
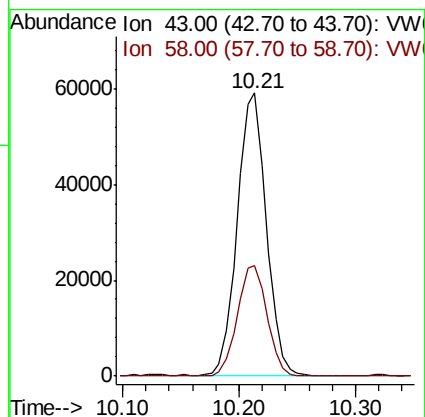
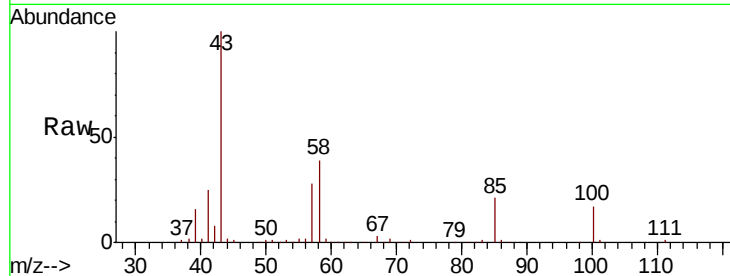
58 40.3 33.2 49.8

Manual Integrations

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MMDadoda

12/26/2018 4:33:50 PM



#52

Toluene

Concen: 37.335 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007790.D

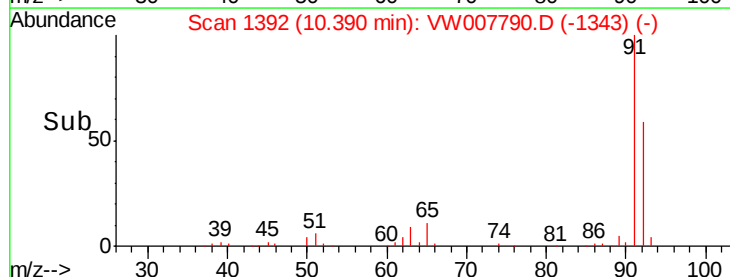
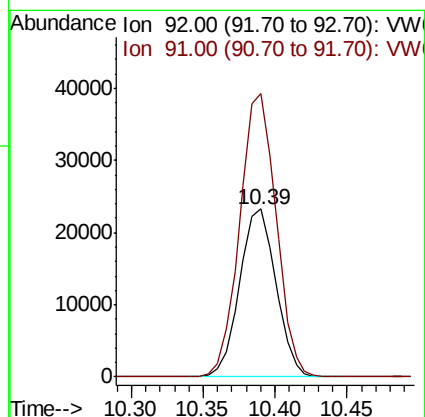
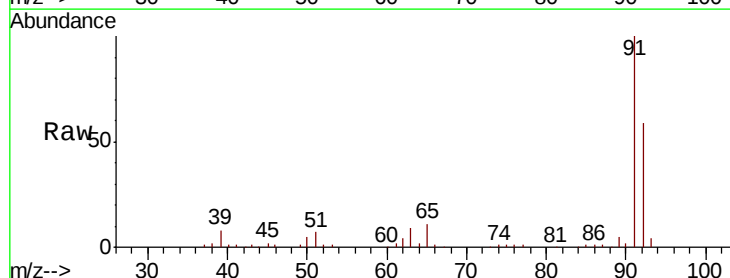
Acq: 21 Dec 2018 12:34

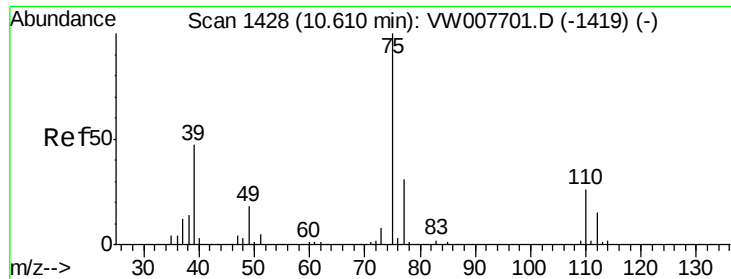
Tgt Ion: 92 Resp: 40950

Ion Ratio Lower Upper

92 100

91 168.6 137.0 205.4





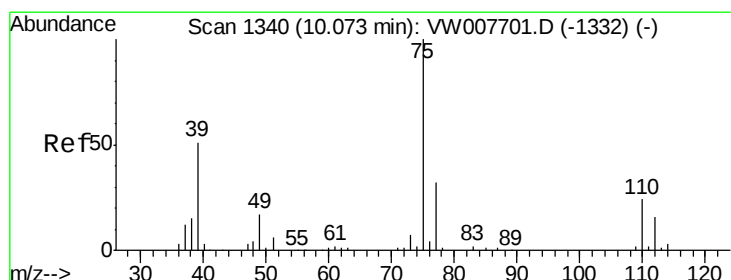
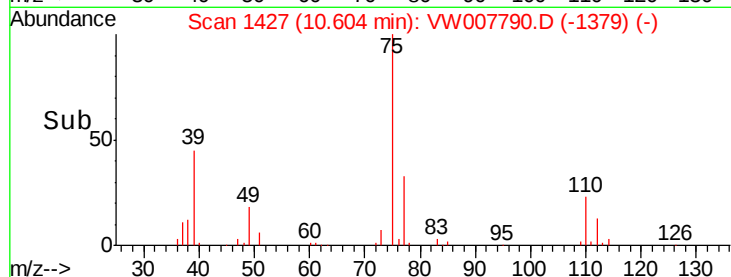
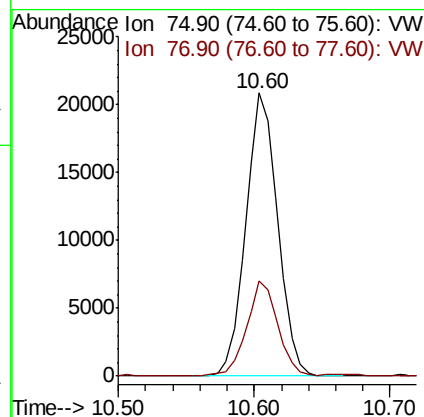
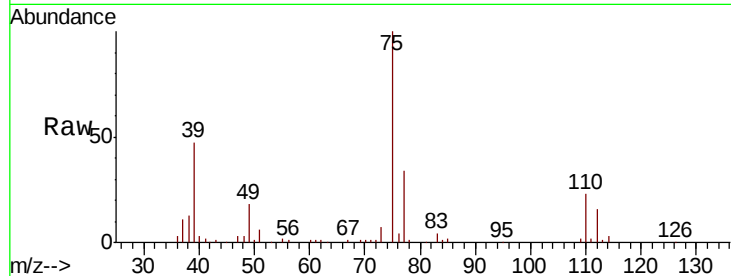
#53
 t-1,3-Dichloropropene
 Concen: 58.496 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tgt Ion: 75 Resp: 34155
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.2 37.8

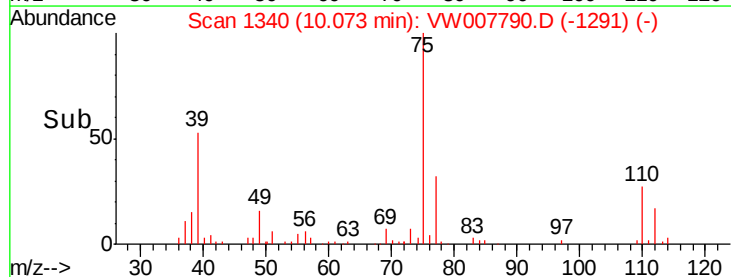
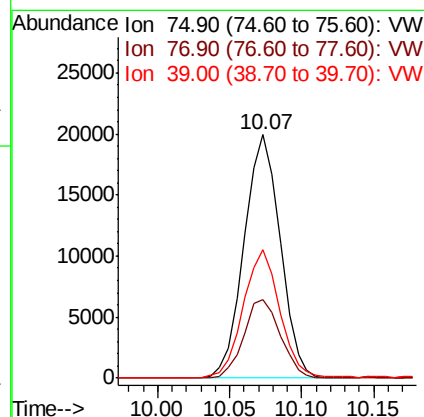
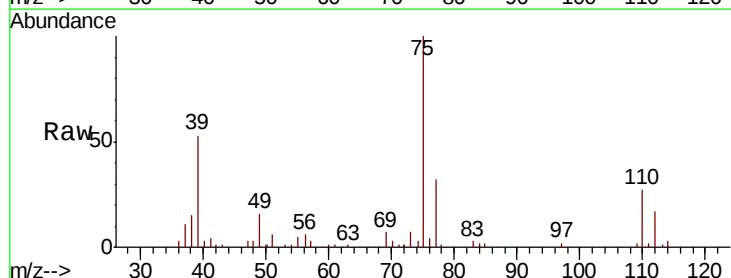
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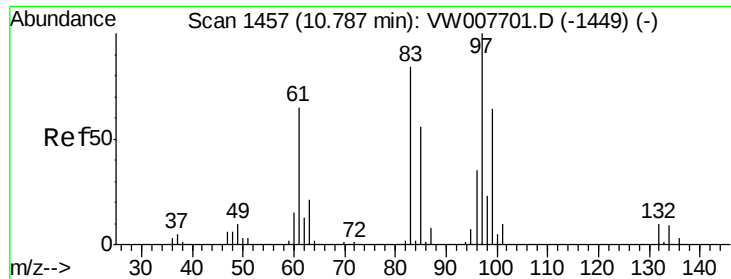
MMDadoda
 12/26/2018 4:33:50 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.859 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 75 Resp: 34736
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.5 38.3
 39 52.8 41.2 61.8





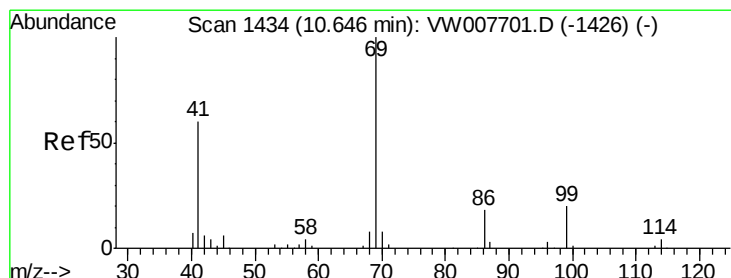
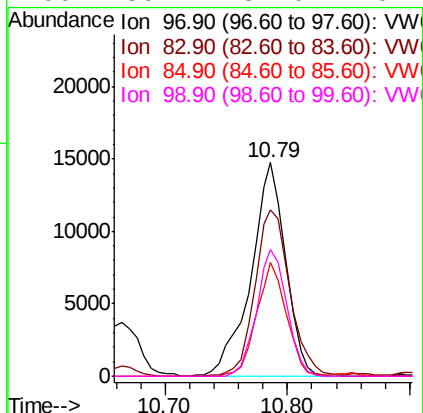
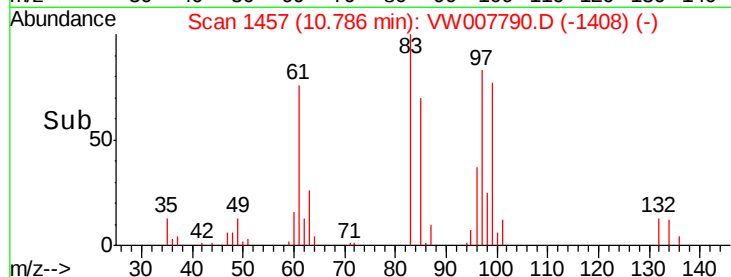
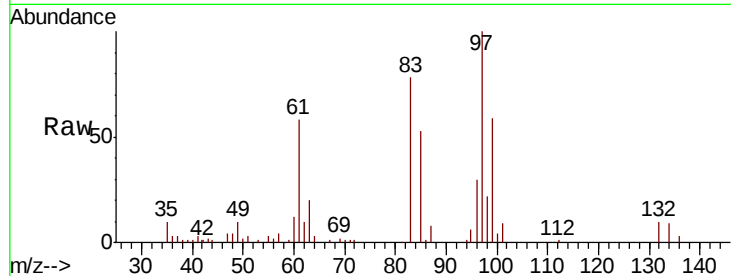
#55
 1,1,2-Trichloroethane
 Concen: 94.966 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.8	67.5	101.3
85	53.4	44.8	67.2
99	59.1	51.0	76.4

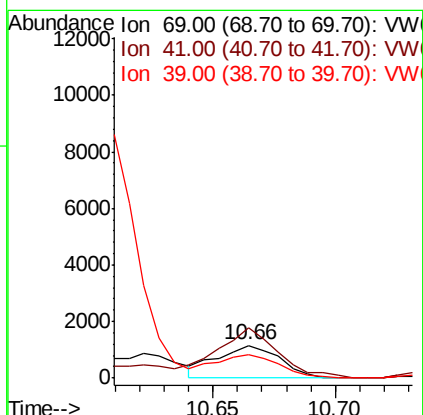
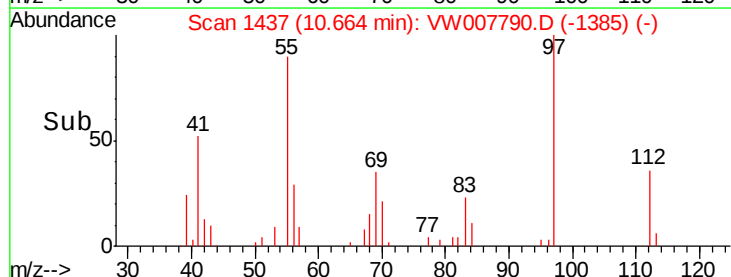
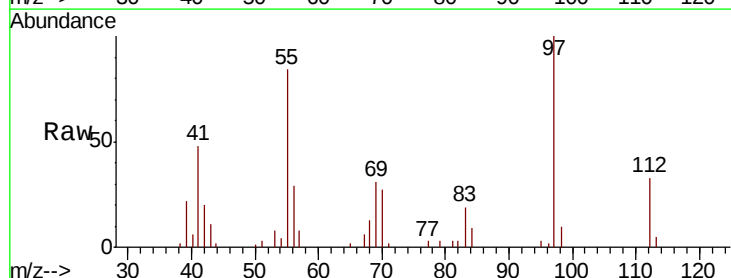
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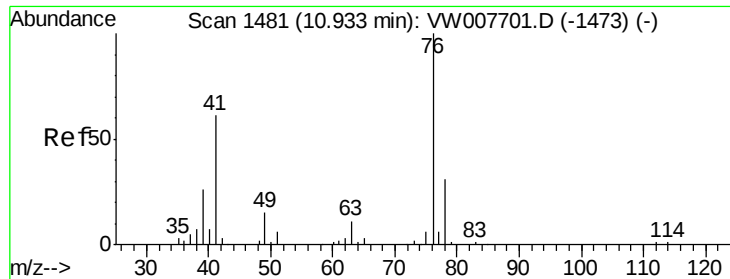
MMDadoda
 12/26/2018 4:33:50 PM



#56
 Ethyl methacrylate
 Concen: 5.744 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	148.9	48.9	73.3#
39	73.9	31.3	46.9#





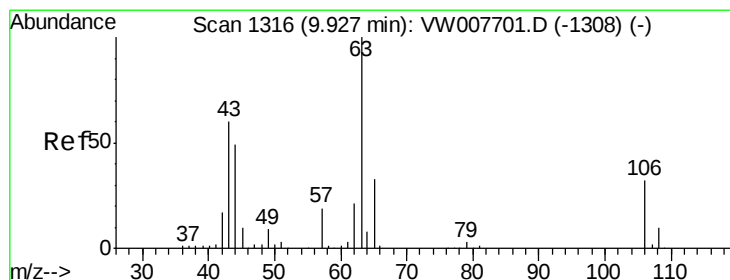
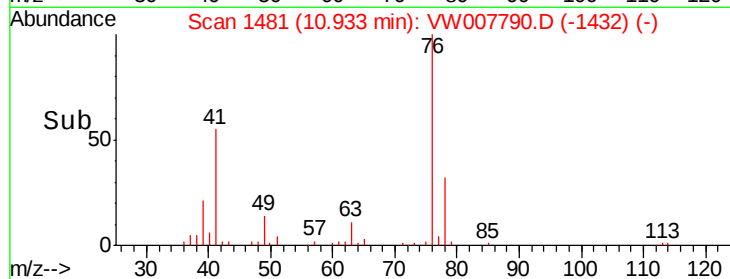
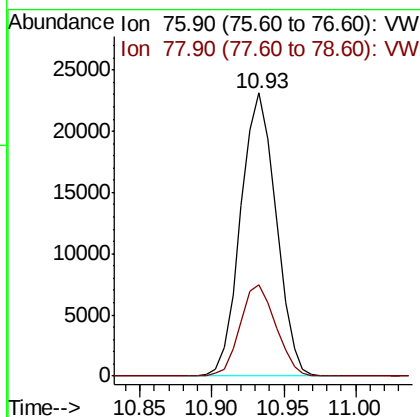
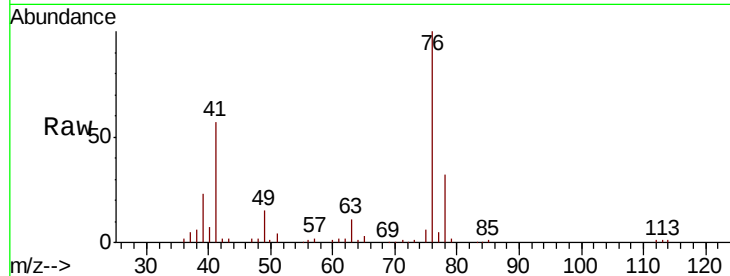
#57
 1,3-Dichloropropane
 Concen: 77.279 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tgt Ion: 76 Resp: 39502
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

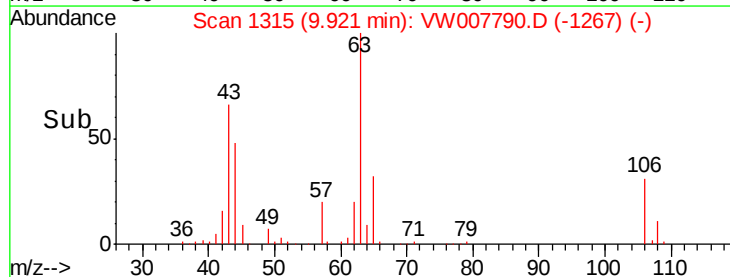
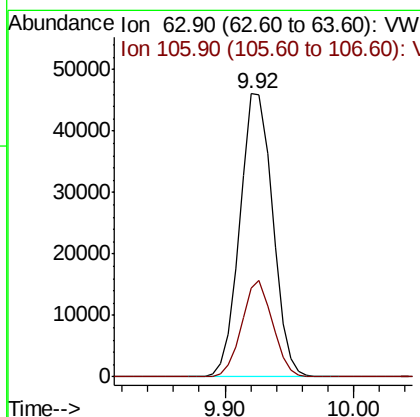
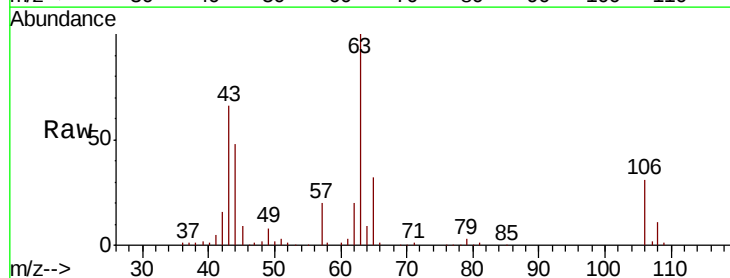
Manual Integrations
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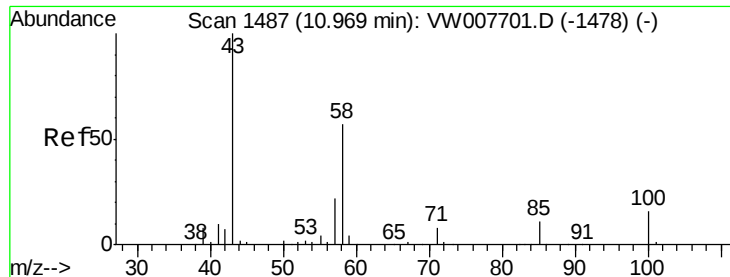
MMDadoda
 12/26/2018 4:33:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 490.198 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 63 Resp: 81400
 Ion Ratio Lower Upper
 63 100
 106 31.7 25.9 38.9





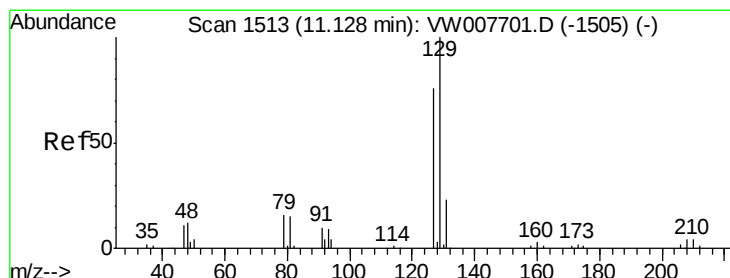
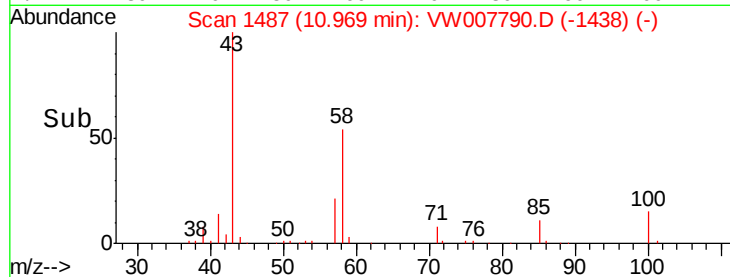
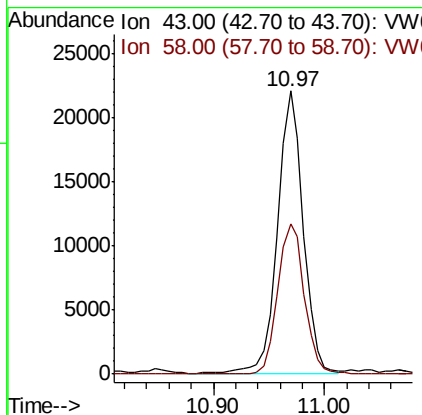
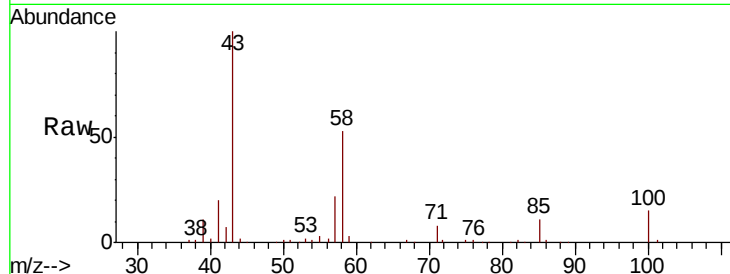
#59
2-Hexanone
Concen: 249.003 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion: 43 Resp: 35055
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.1

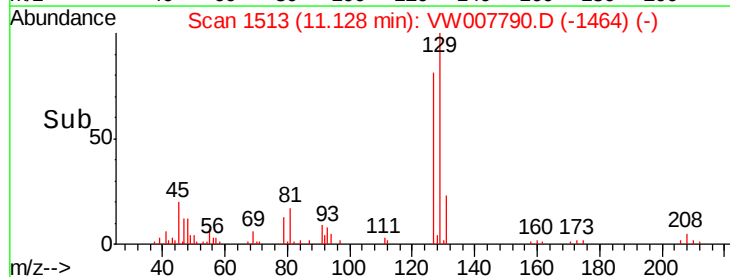
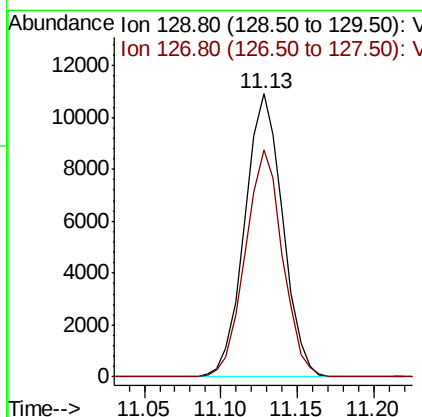
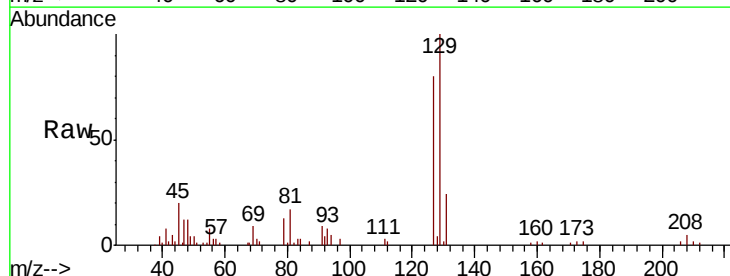
Manual Integrations
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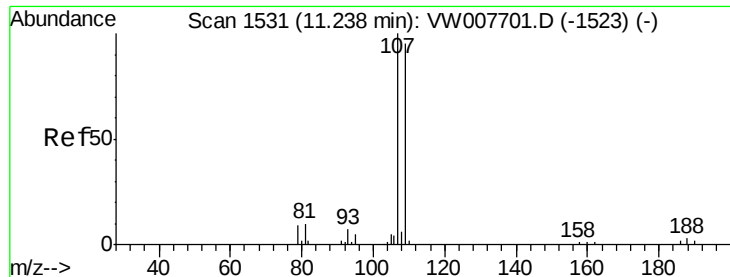
MMDadoda
12/26/2018 4:33:50 PM



#60
Dibromochloromethane
Concen: 46.167 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 129 Resp: 18817
Ion Ratio Lower Upper
129 100
127 78.9 38.3 114.9





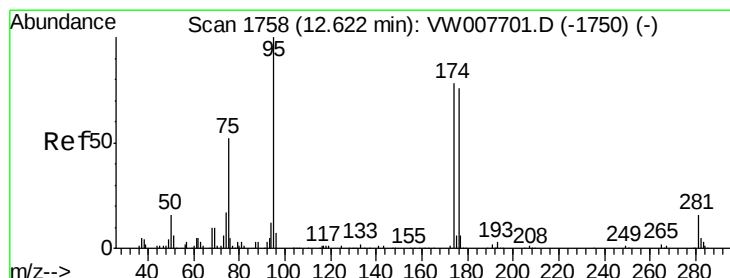
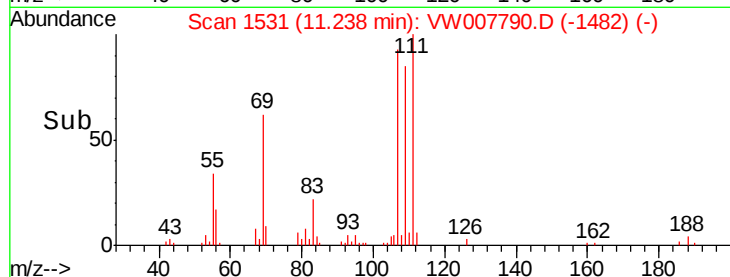
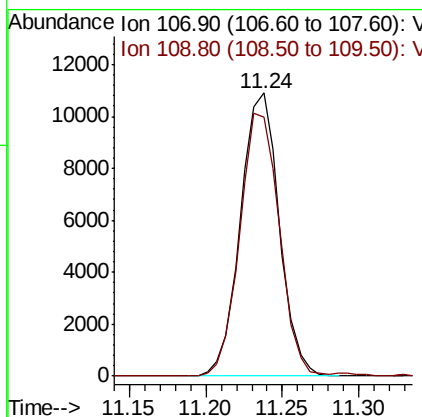
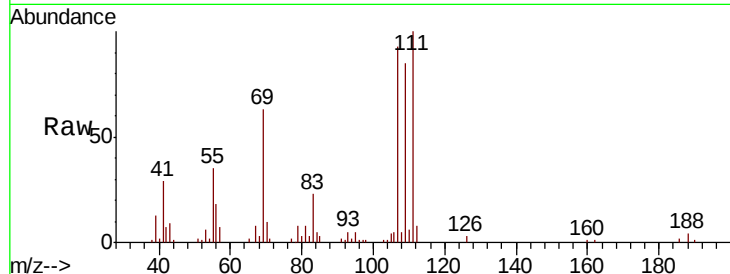
#61
 1,2-Dibromoethane
 Concen: 61.548 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tgt Ion: 107 Resp: 19186
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.0

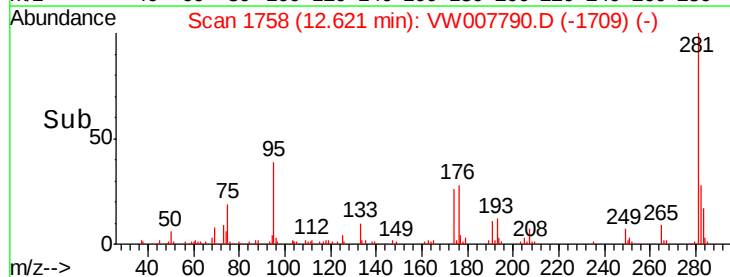
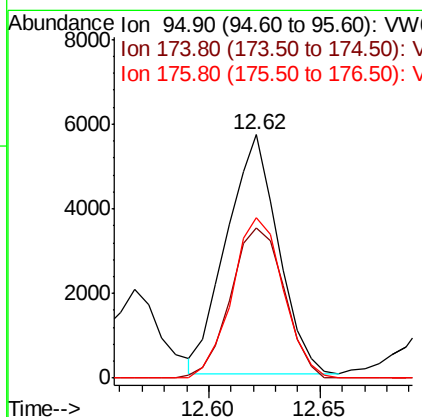
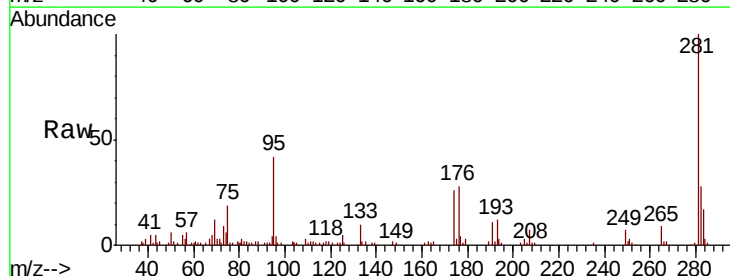
Manual Integrations
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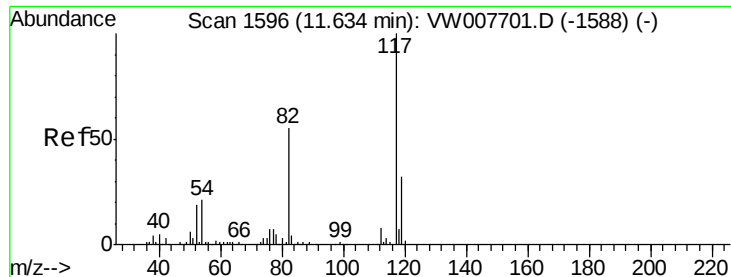
MMDadoda
 12/26/2018 4:33:50 PM



#62
 4-Bromofluorobenzene
 Concen: 16.172 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion: 95 Resp: 9120
 Ion Ratio Lower Upper
 95 100
 174 65.2 0.0 152.2
 176 66.6 0.0 146.8





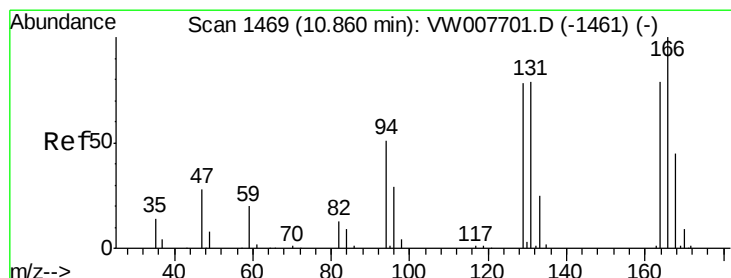
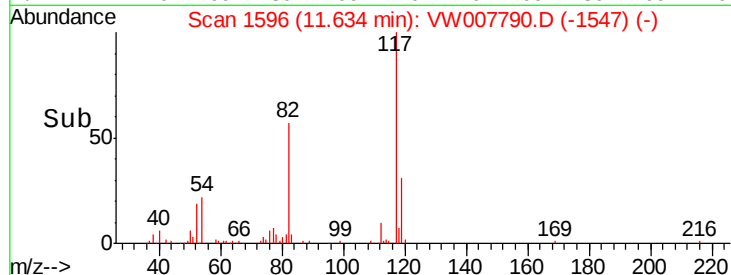
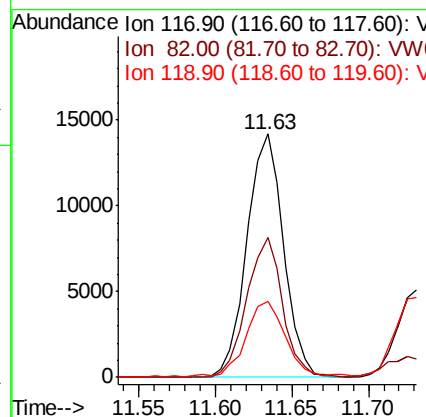
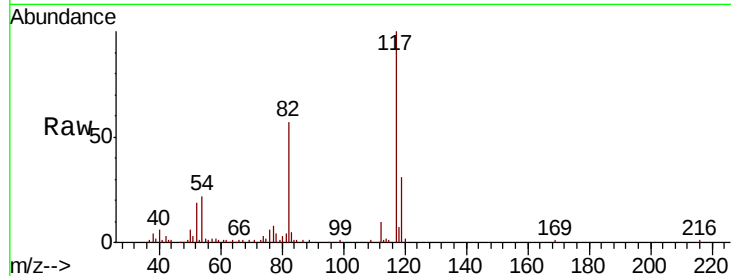
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.3	66.5
119	30.8	25.7	38.5

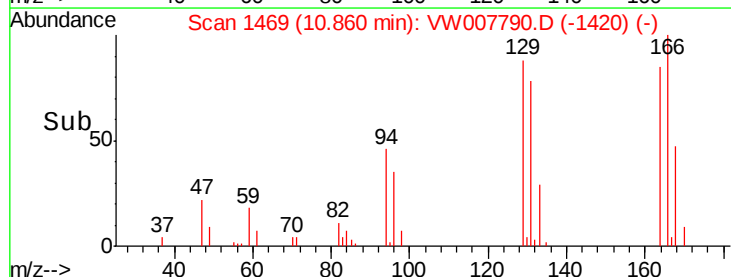
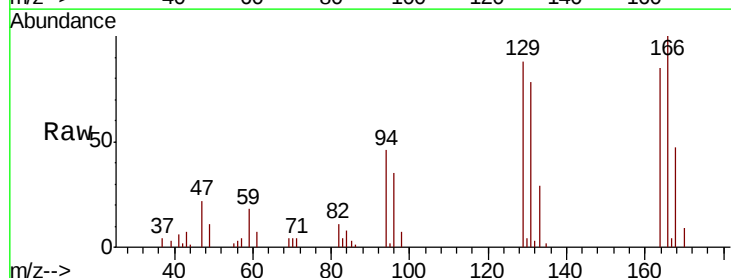
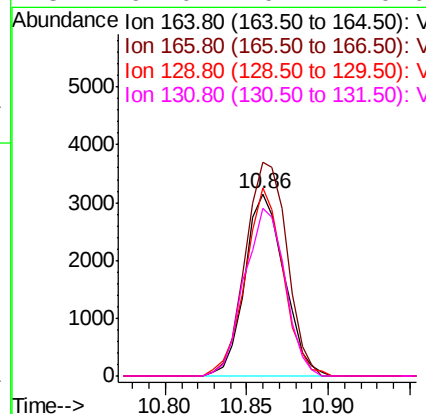
Manual Integrations
APPROVED

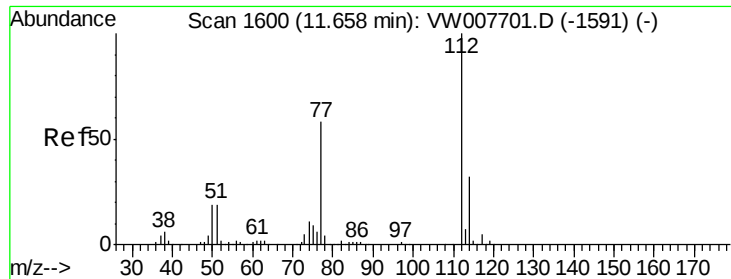
MMDadoda
12/26/2018 4:33:50 PM



#64
Tetrachloroethene
Concen: 31.800 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.4	101.0	151.6
129	103.7	78.7	118.1
131	92.0	79.4	119.0





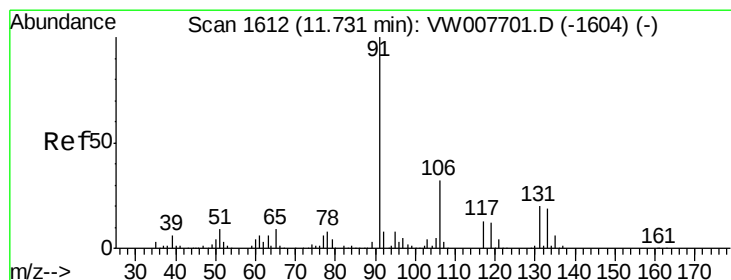
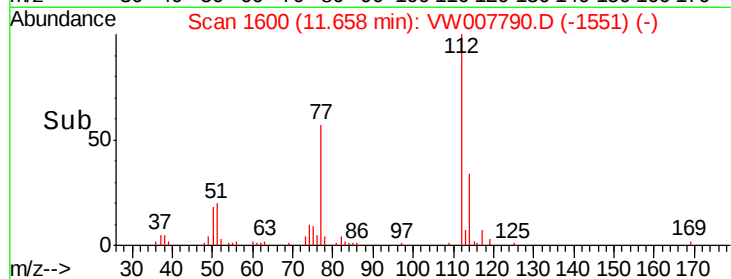
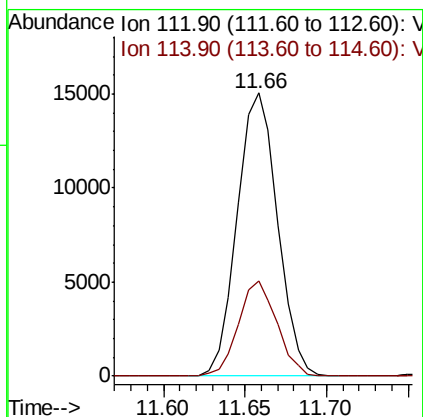
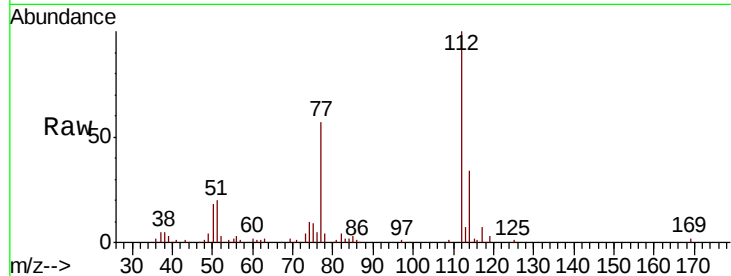
#65
Chlorobenzene
Concen: 50.866 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion:112 Resp: 25932
Ion Ratio Lower Upper
112 100
114 33.5 25.2 37.8

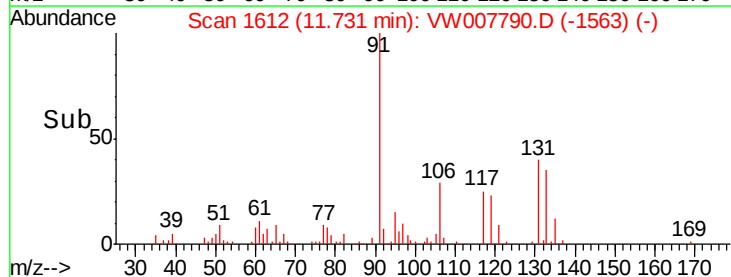
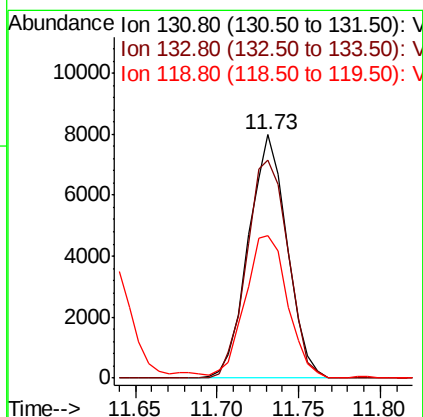
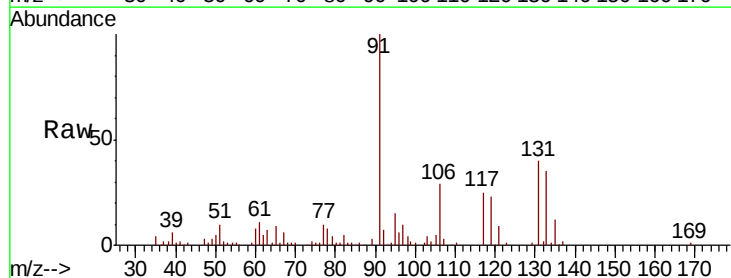
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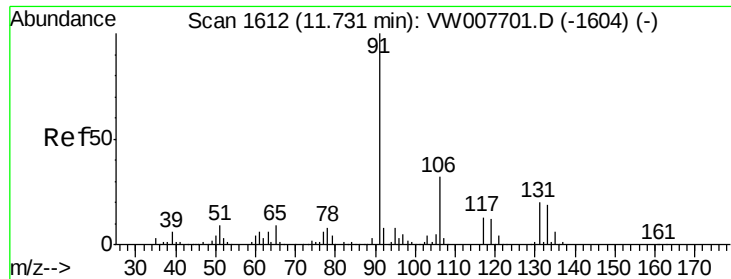
MMDadoda
12/26/2018 4:33:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 72.358 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion:131 Resp: 13181
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.5
119 64.3 30.2 90.6





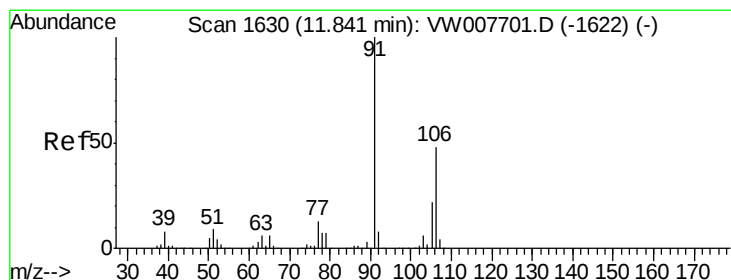
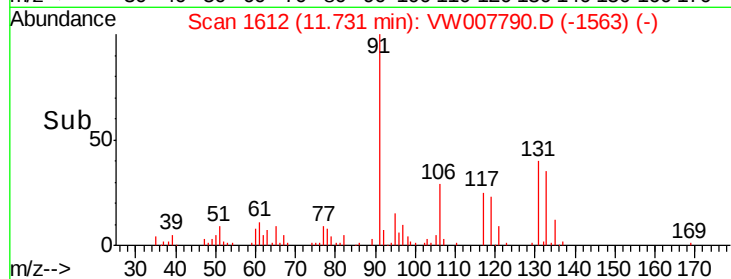
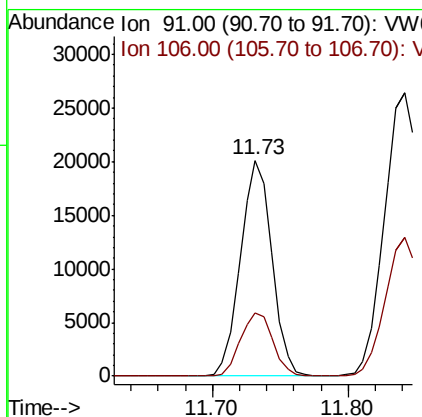
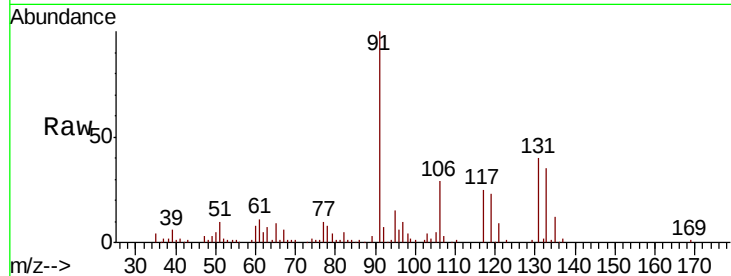
#67
Ethyl Benzene
Concen: 37.183 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion: 91 Resp: 32529
Ion Ratio Lower Upper
91 100
106 29.3 25.8 38.8

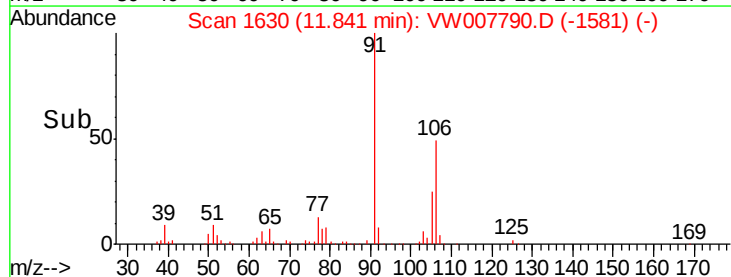
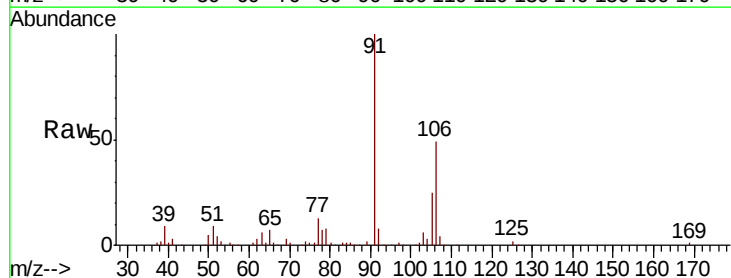
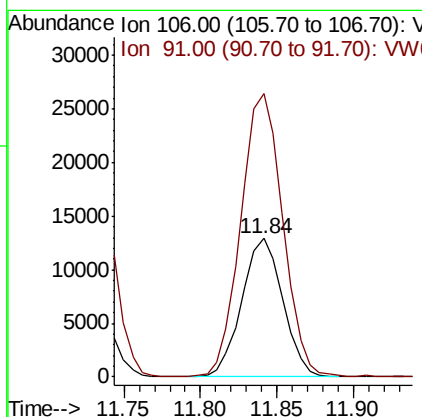
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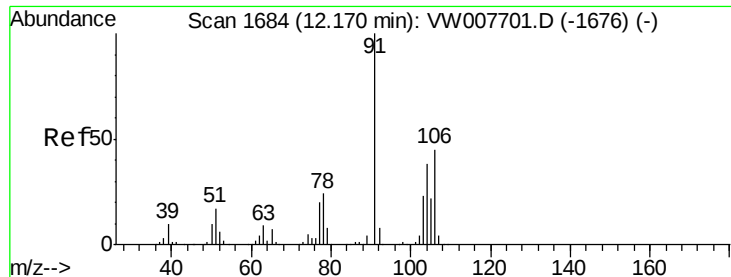
MMDadoda
12/26/2018 4:33:50 PM



#68
m/p-Xylenes
Concen: 70.863 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion: 106 Resp: 24048
Ion Ratio Lower Upper
106 100
91 210.1 165.2 247.8





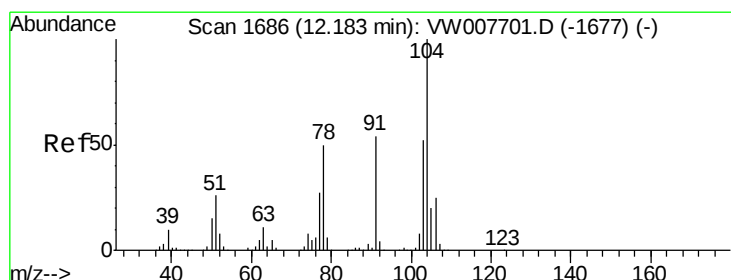
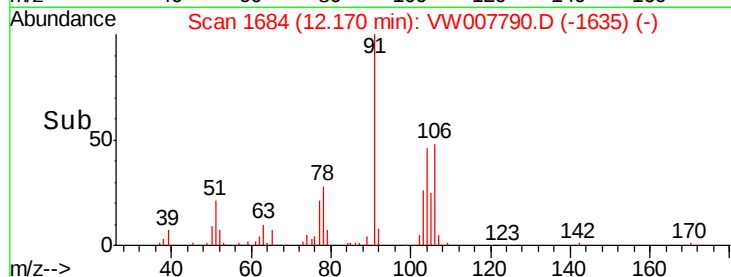
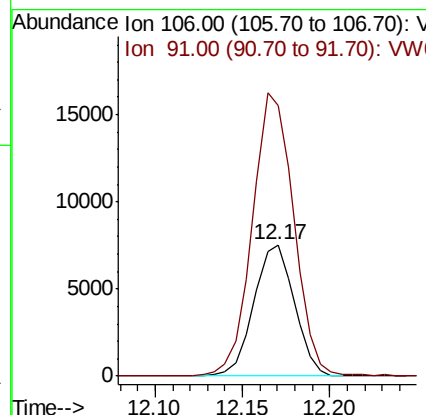
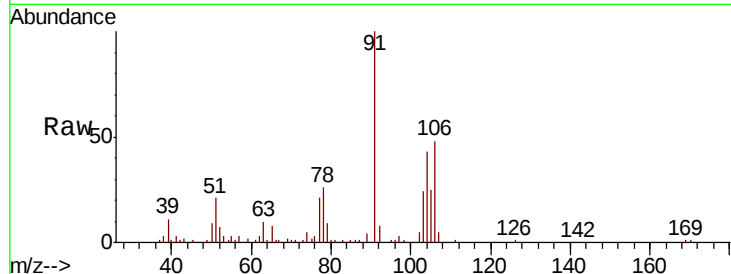
#69
o-Xylene
Concen: 37.965 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion:106 Resp: 12077
Ion Ratio Lower Upper
106 100
91 221.3 110.5 331.4

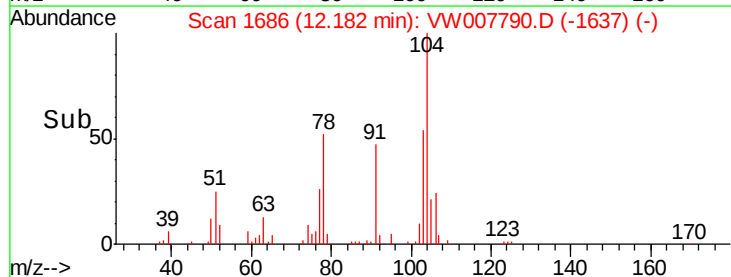
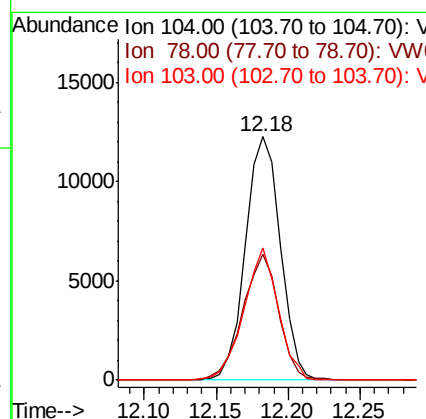
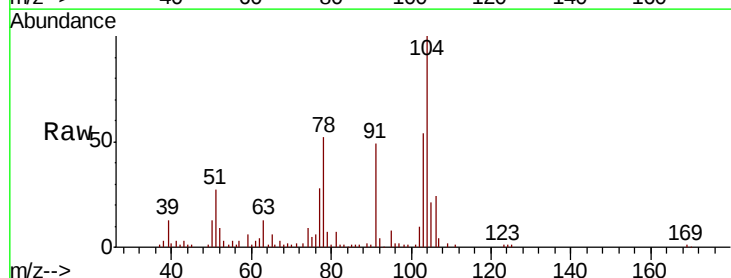
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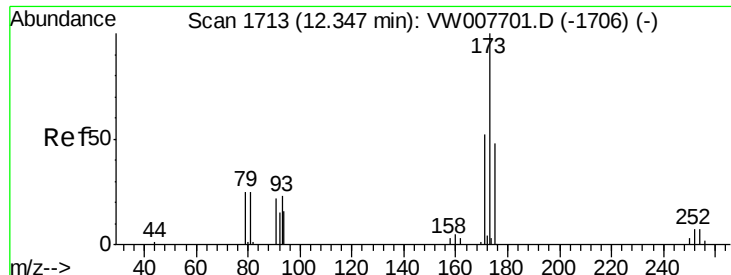
MMDadoda
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#70
Styrene
Concen: 39.457 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion:104 Resp: 20632
Ion Ratio Lower Upper
104 100
78 53.3 43.4 65.0
103 53.4 44.5 66.7





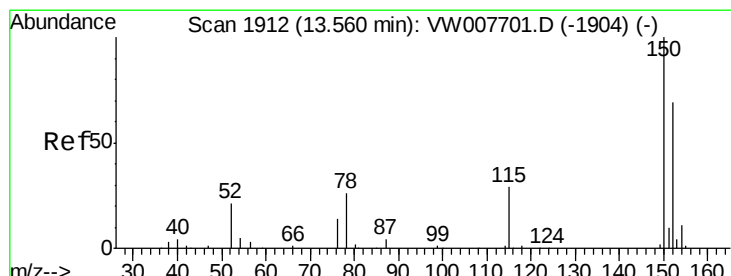
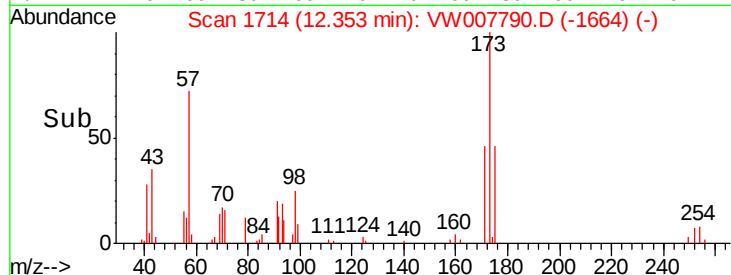
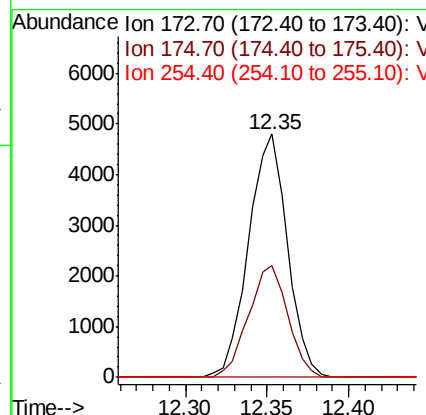
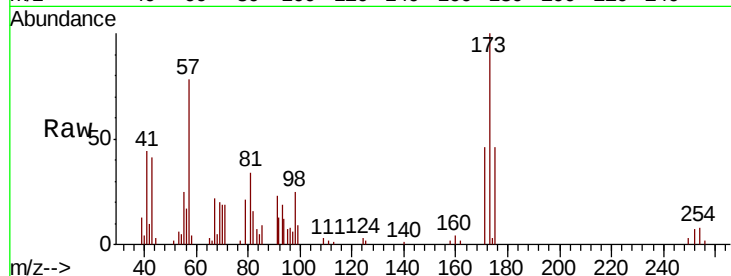
#71
Bromoform
Concen: 84.006 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion:173 Resp: 7944
Ion Ratio Lower Upper
173 100
175 46.6 23.9 71.7
254 0.0 0.0 0.0

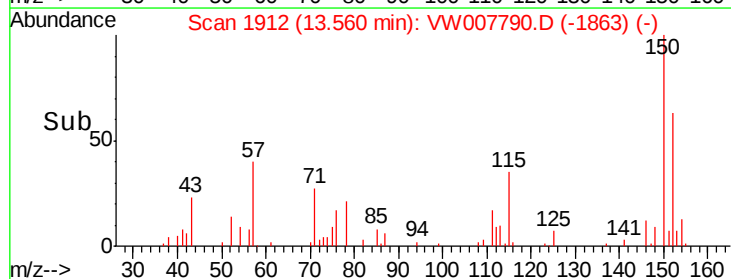
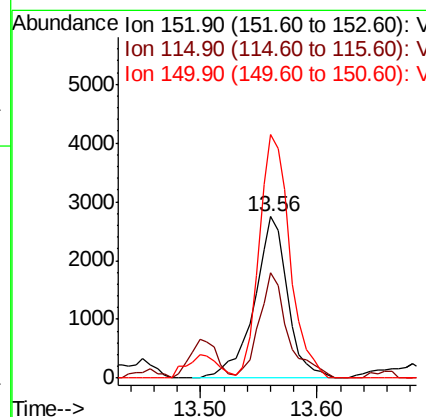
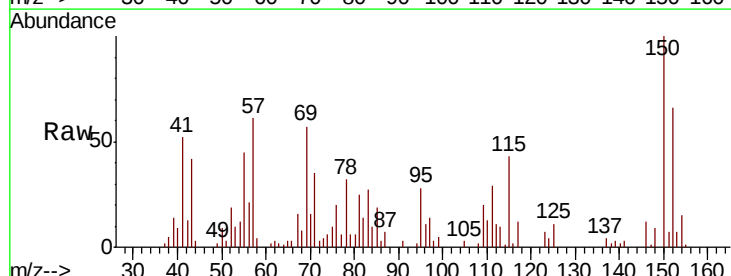
Manual Integrations
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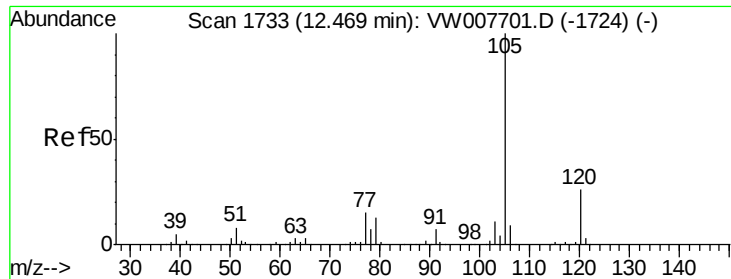
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion:152 Resp: 5474
Ion Ratio Lower Upper
152 100
115 56.2 31.8 95.4
150 138.2 0.0 350.8





#73

Isopropylbenzene

Concen: 51.120 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tgt Ion: 105 Resp: 21152

Ion Ratio Lower Upper

105 100

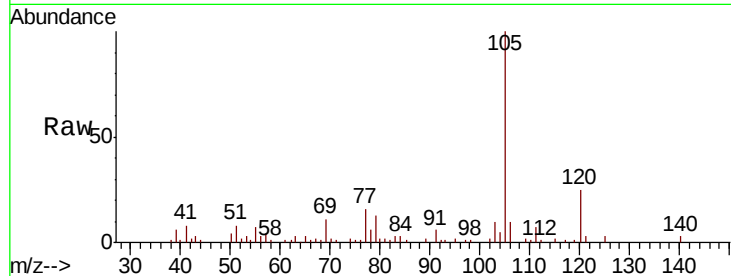
120 24.7 13.1 39.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

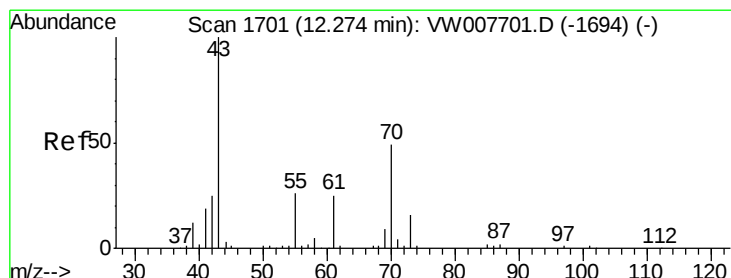
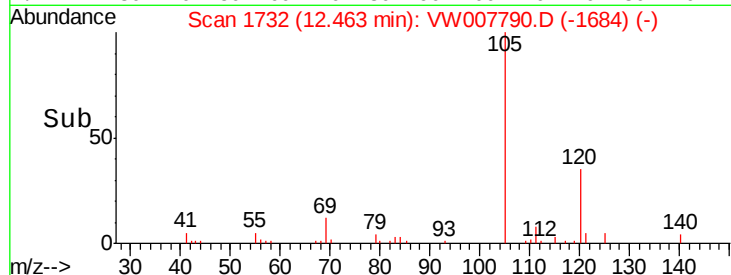
15000

12000

5000

0

Time-->



#74

N-ethyl acetate

Concen: 26.203 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Tgt Ion: 43 Resp: 1878

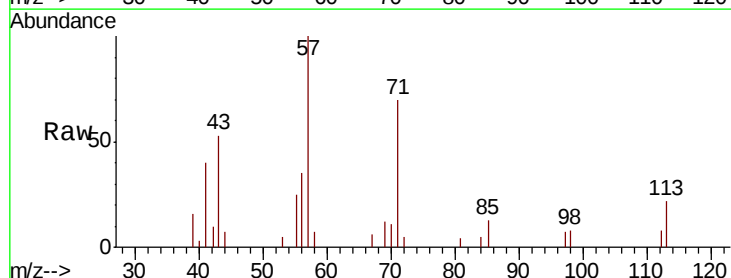
Ion Ratio Lower Upper

43 100

70 0.0 37.6 56.4#

55 0.0 21.7 32.5#

61 0.0 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

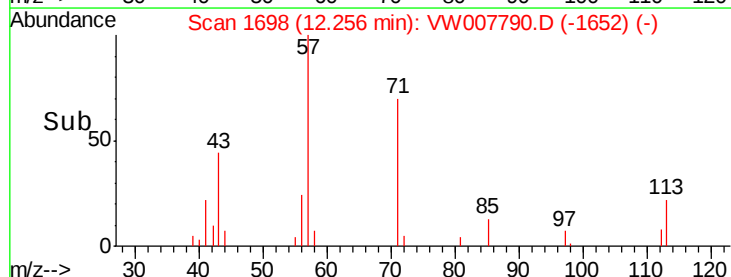
1500

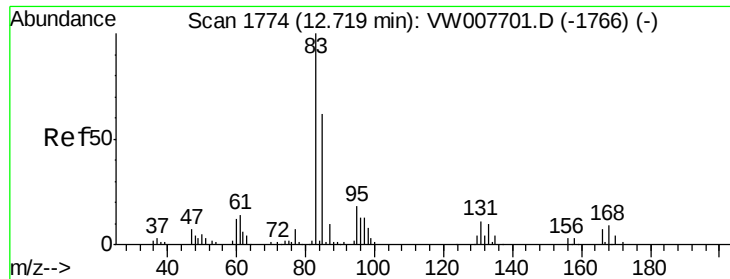
1000

500

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 298.685 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

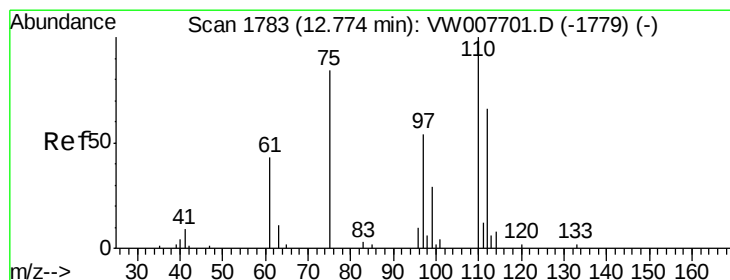
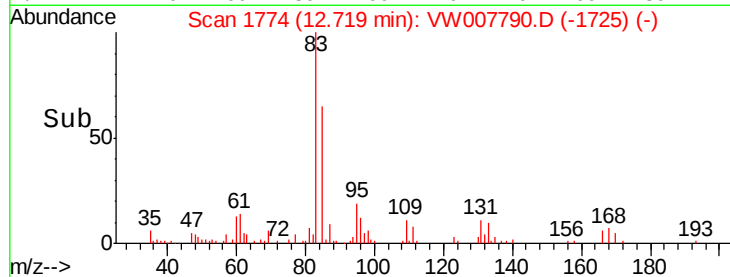
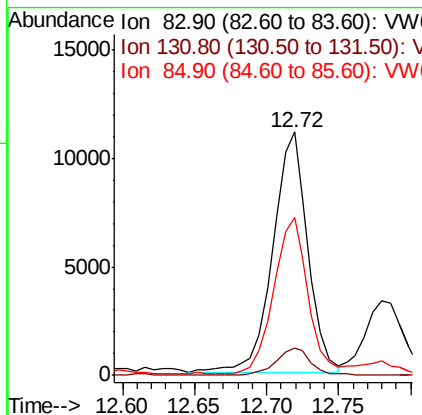
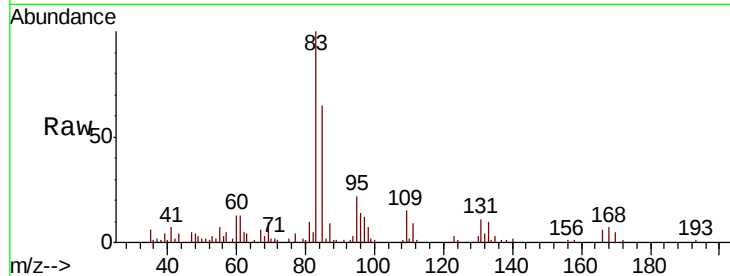
ClientSampleId :

P001-DS001-01MS

Tgt Ion:	83	Resp:	18530
Ion Ratio	Lower	Upper	
83	100		
131	11.2	6.3	18.8
85	64.7	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 543.101 ug/l

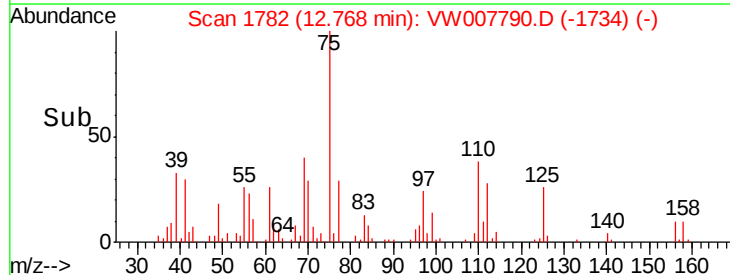
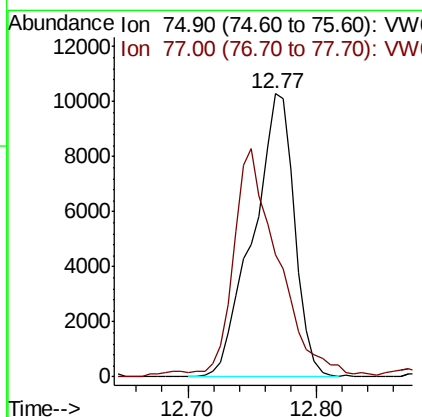
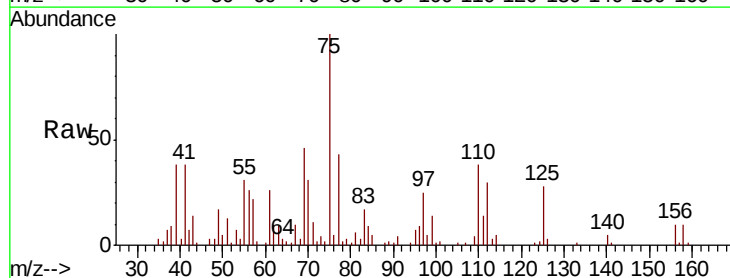
RT: 12.77 min Scan# 1782

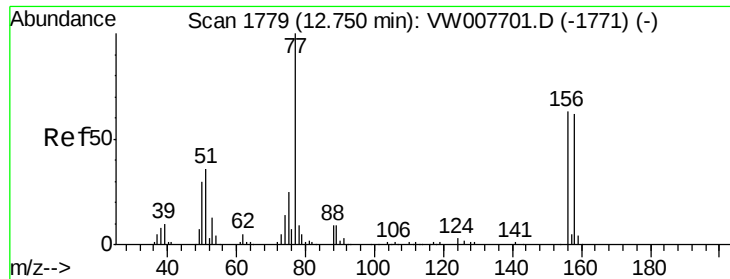
Delta R.T. -0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Tgt Ion:	75	Resp:	22978
Ion Ratio	Lower	Upper	
75	100		
77	84.0	0.0	0.0#





#77

Bromobenzene

Concen: 73.924 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

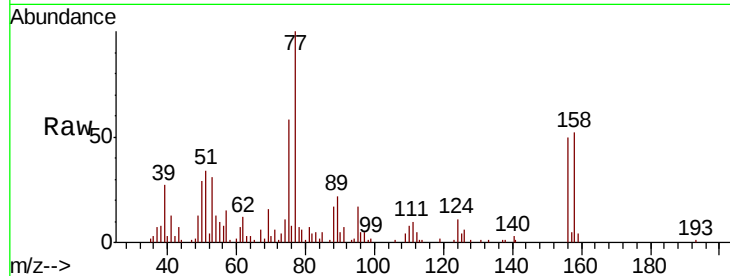
ClientSampleId :

P001-DS001-01MS

Tgt Ion	Ratio	Lower	Upper
156	100		
77	275.2	87.4	262.1#
158	97.3	48.4	145.0

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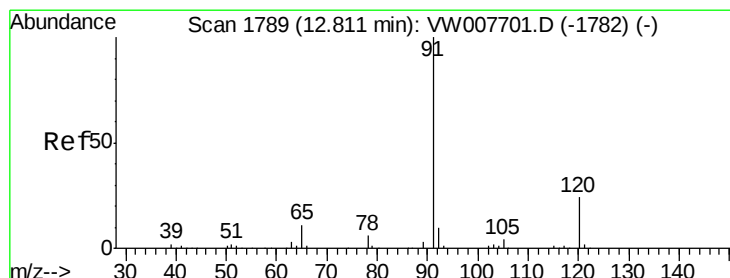
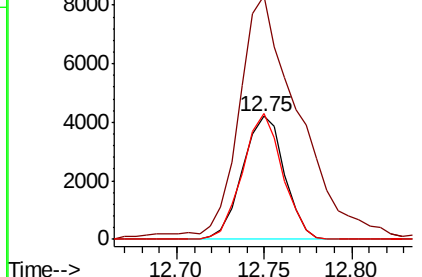
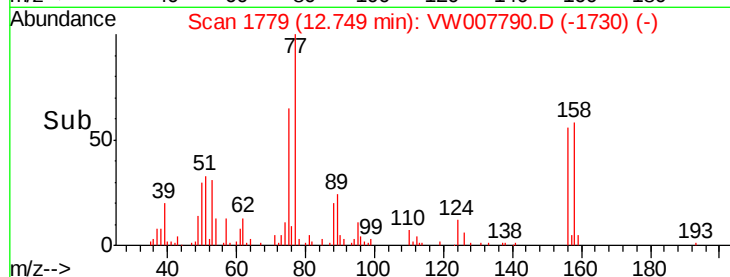
MMDadoda
12/26/2018 4:33:50 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 40.668 ug/l

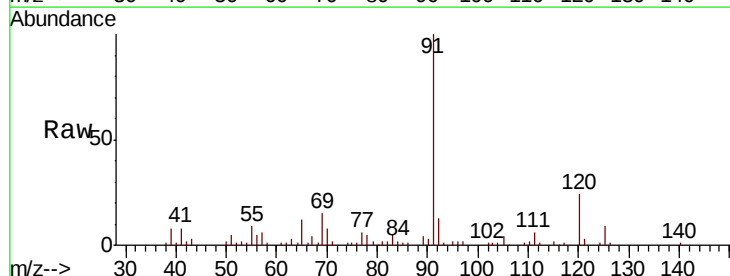
RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007790.D

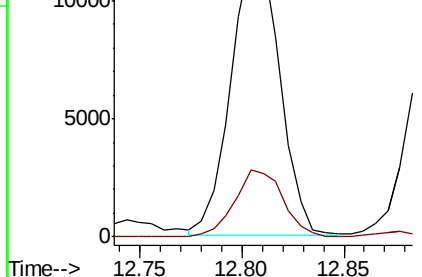
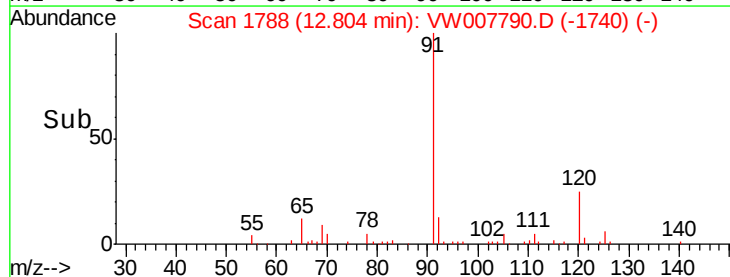
Acq: 21 Dec 2018 12:34

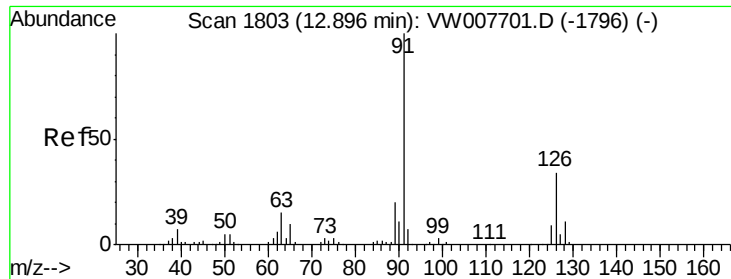
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.673 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tgt Ion: 91 Resp: 15060

Ion Ratio Lower Upper

91 100

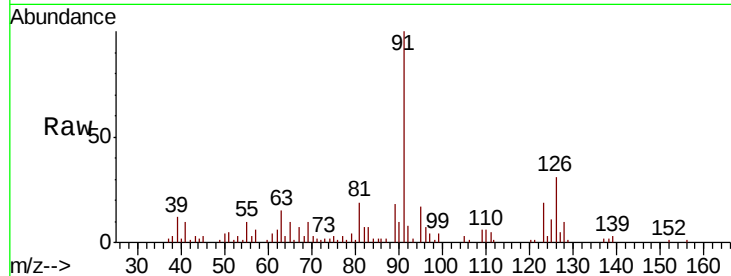
126 31.9 17.0 51.0

Manual Integrations

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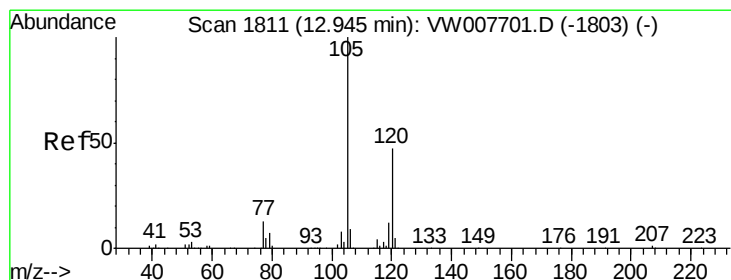
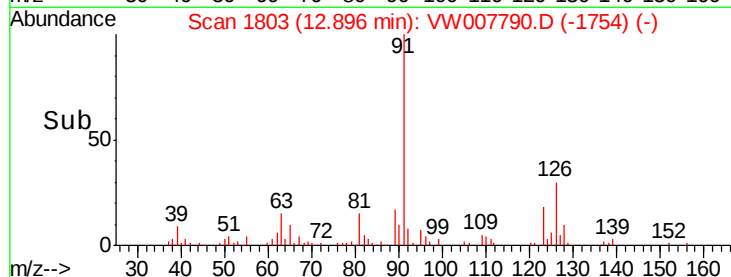
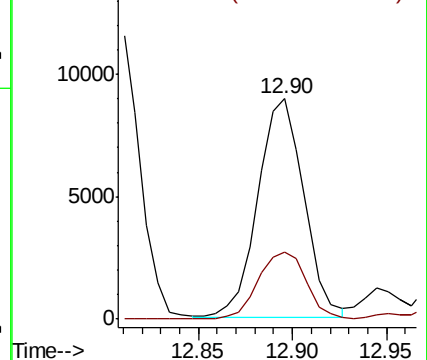
MMDadoda

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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: 43.440 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007790.D

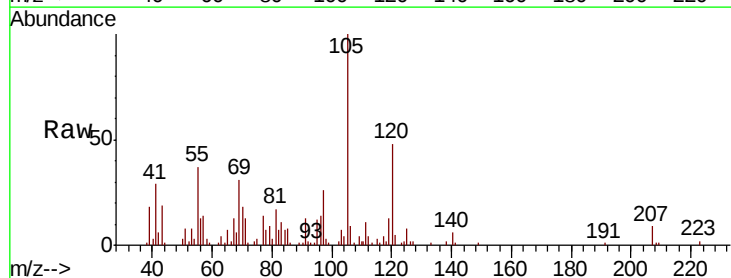
Acq: 21 Dec 2018 12:34

Tgt Ion: 105 Resp: 15504

Ion Ratio Lower Upper

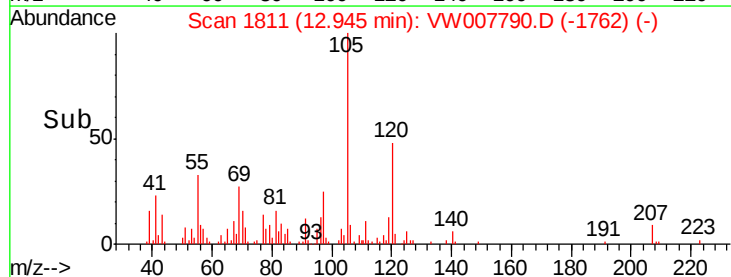
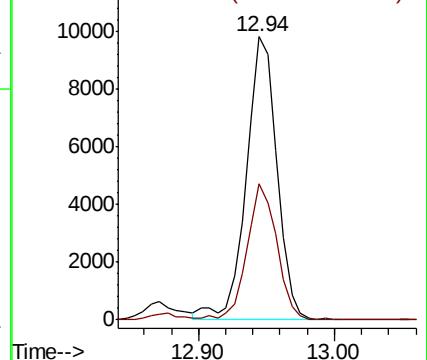
105 100

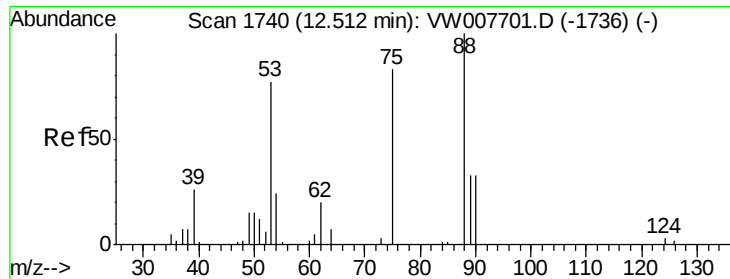
120 46.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





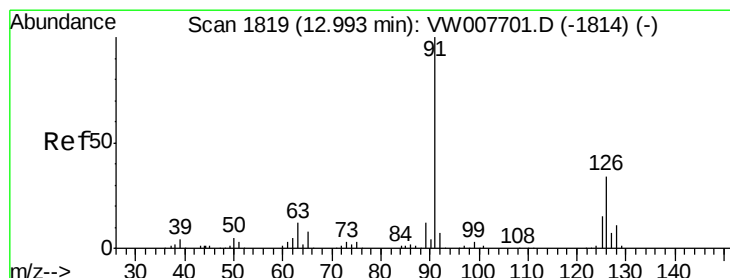
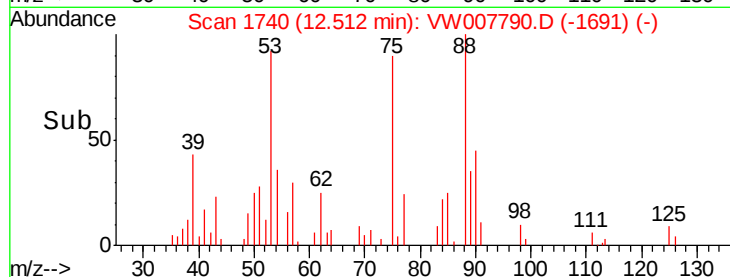
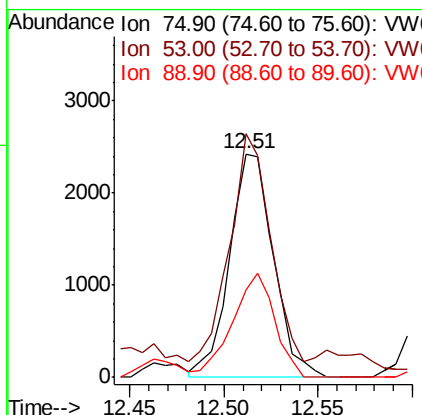
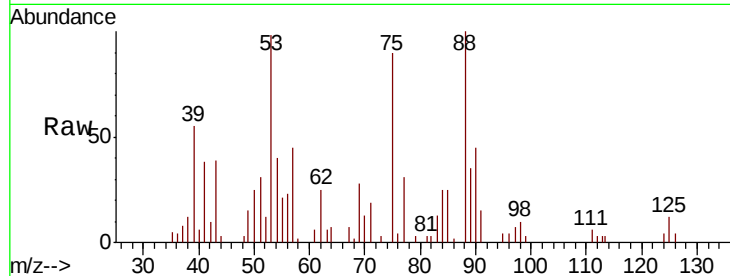
#81
trans-1,4-Dichloro-2-butene
Concen: 194.781 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion	Ratio	Lower	Upper
75	100		
53	92.8	80.2	120.2
89	44.7	39.2	58.8

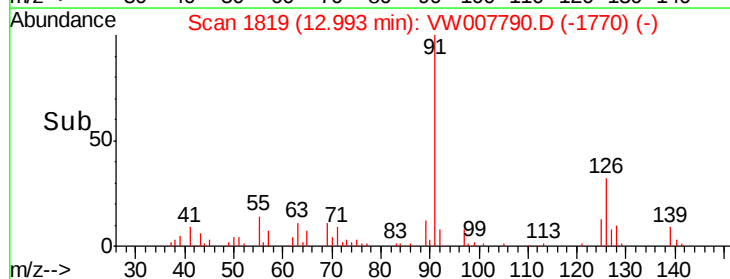
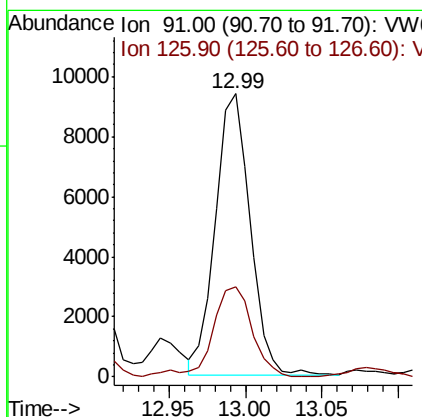
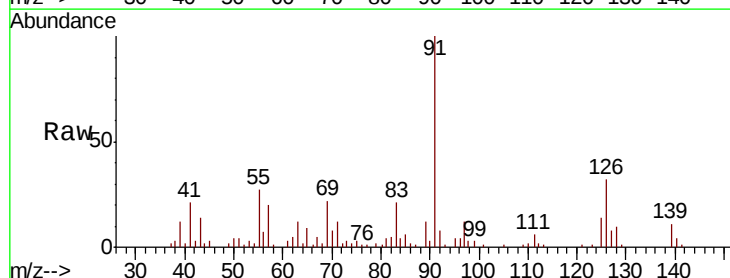
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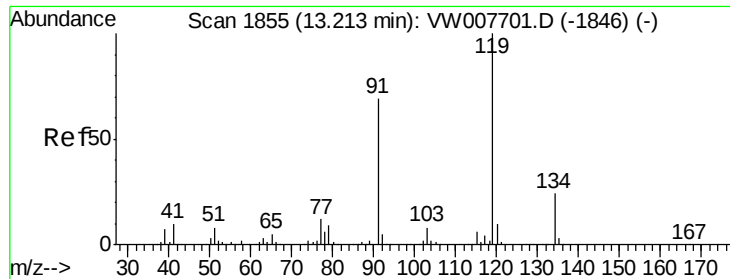
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#82
4-Chlorotoluene
Concen: 49.488 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	16.5	49.5





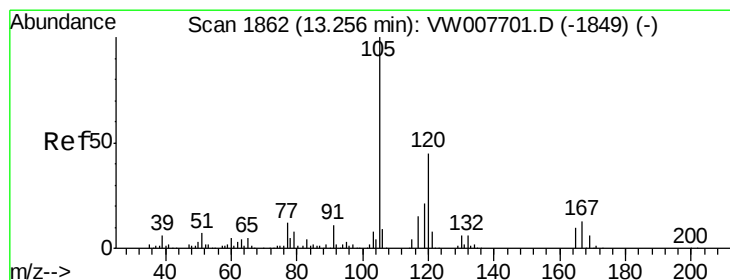
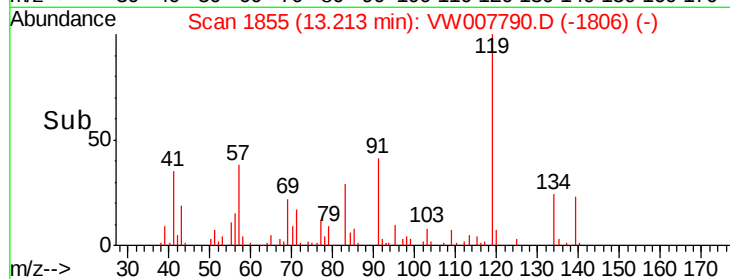
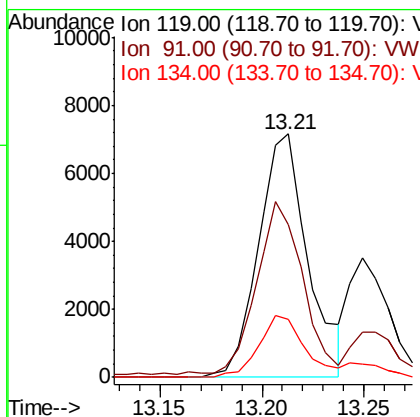
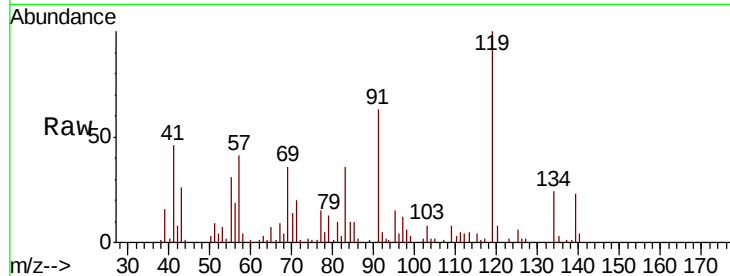
#83
 tert-Butylbenzene
 Concen: 38.498 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	12056		
91	66.4	34.2	102.5	
134	23.7	12.8	38.4	

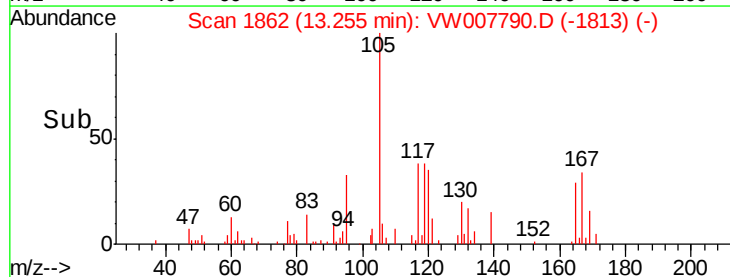
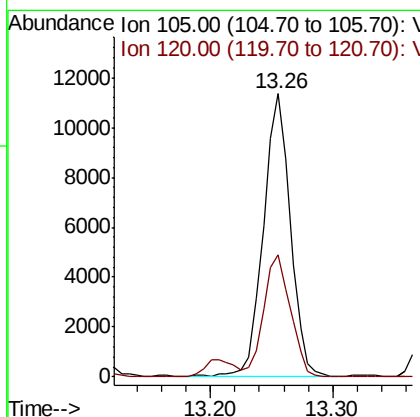
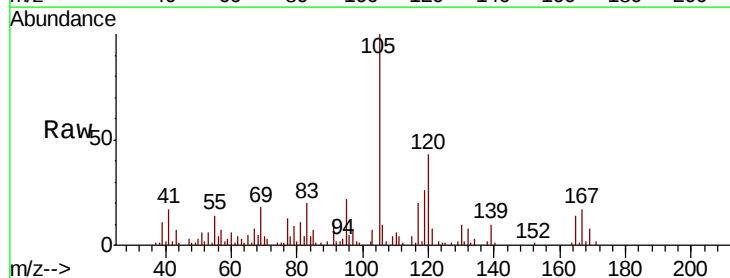
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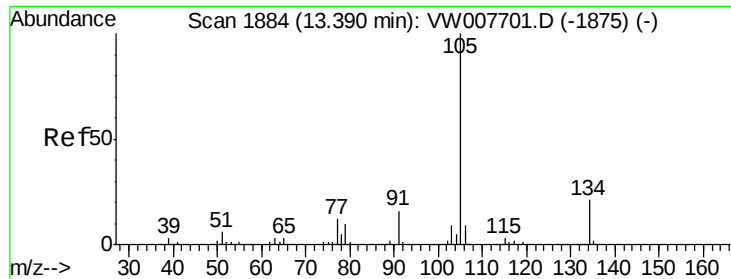
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.495 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	17465		
120	42.9	22.0	66.0	





#85

sec-Butylbenzene

Concen: 33.043 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01MS

Tgt Ion:105 Resp: 14261

Ion Ratio Lower Upper

105 100

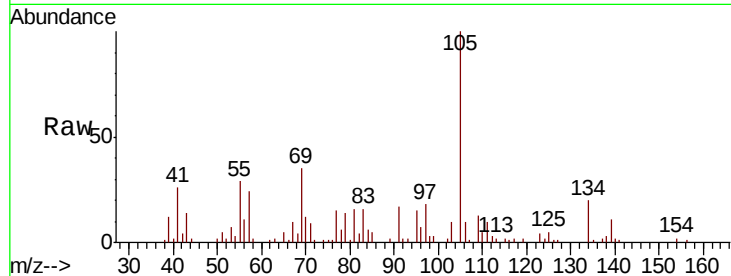
134 21.2 10.2 30.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

10000

8000

6000

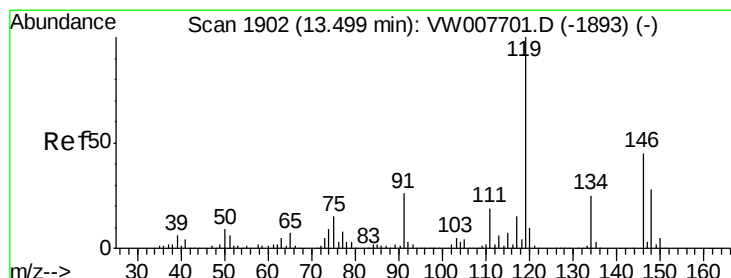
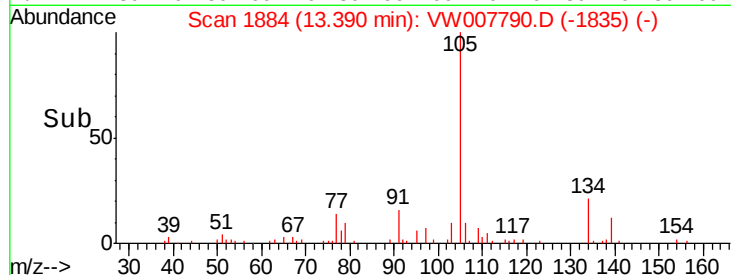
4000

2000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 29.642 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

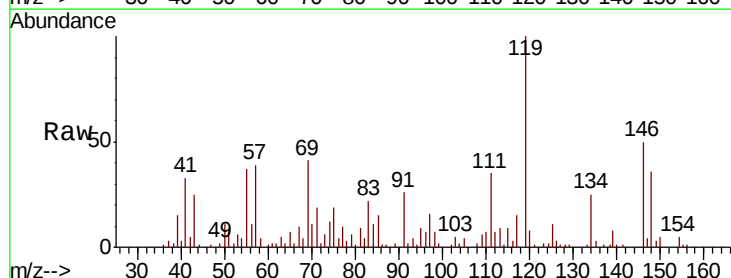
Tgt Ion:119 Resp: 11633

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 24.9 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

10000

8000

6000

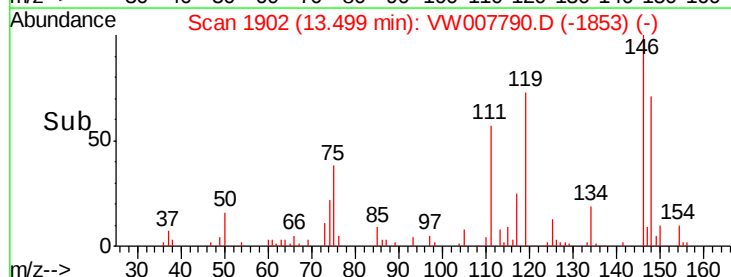
4000

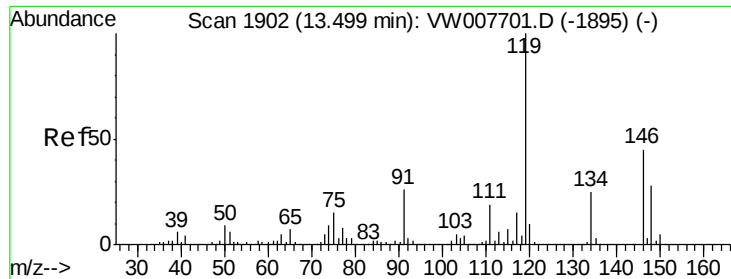
2000

0

13.45 13.50 13.55

Time-->





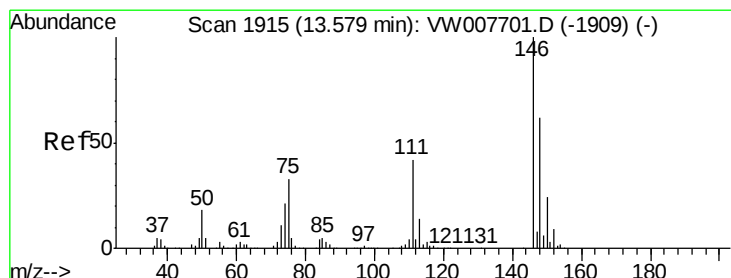
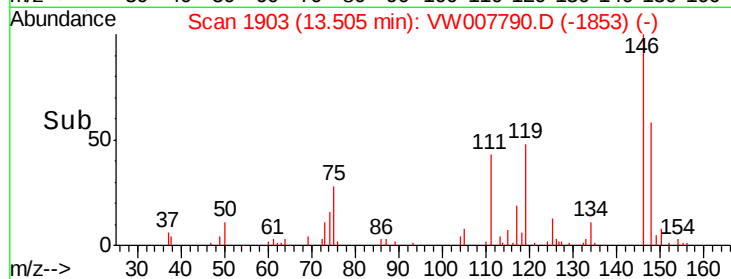
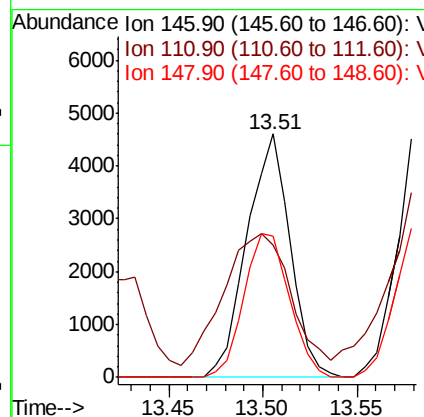
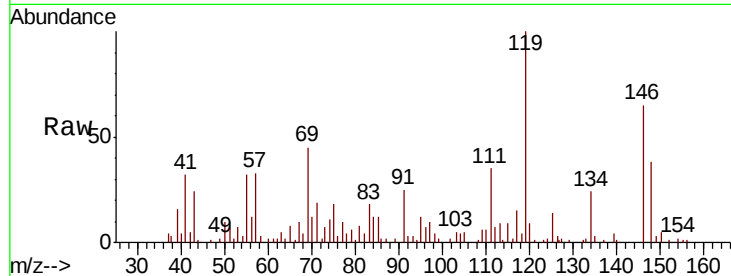
#87
 1,3-Dichlorobenzene
 Concen: 38.906 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	82.5	21.1	63.4#
148	62.1	32.1	96.5

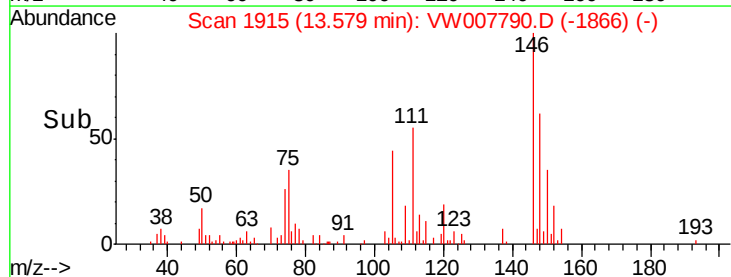
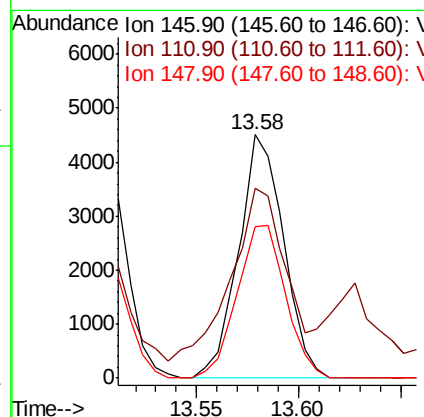
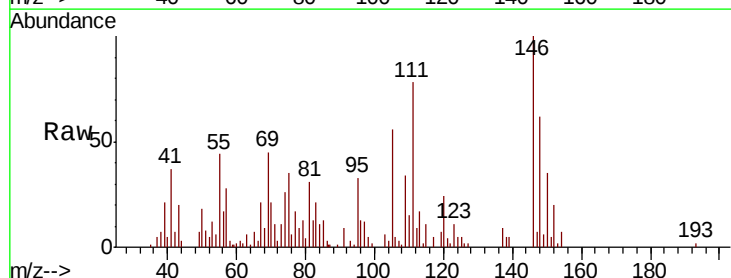
Manual Integrations
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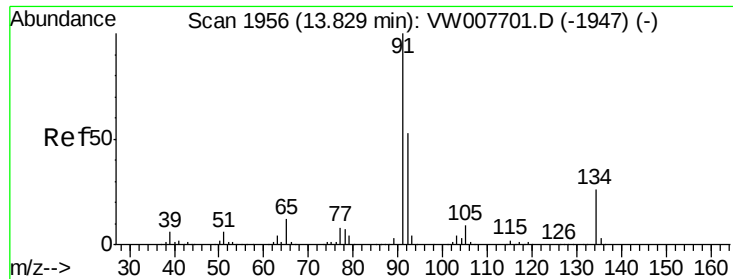
MMDadoda
 12/26/2018 4:33:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 36.537 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW007790.D
 Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	85.9	21.0	63.0#
148	68.0	31.8	95.4





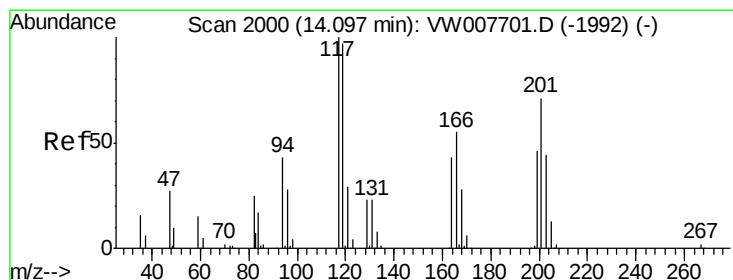
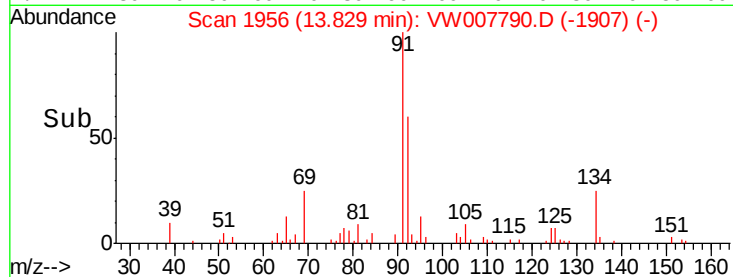
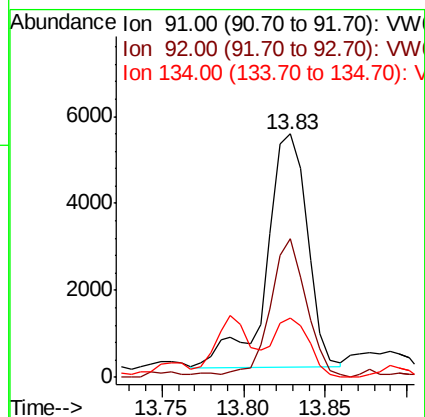
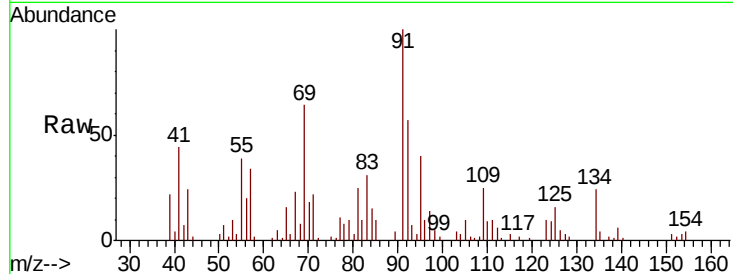
#89
n-Butylbenzene
Concen: 25.734 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	9260		
92	53.6	26.4	79.2	
134	22.2	13.7	41.0	

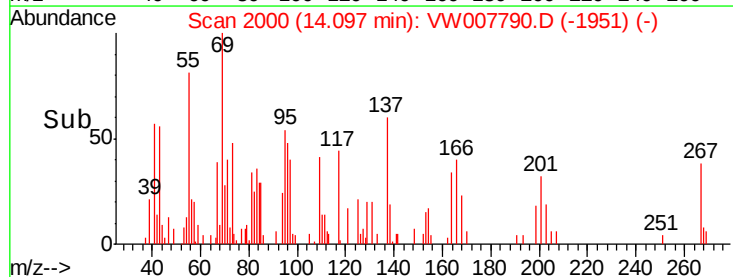
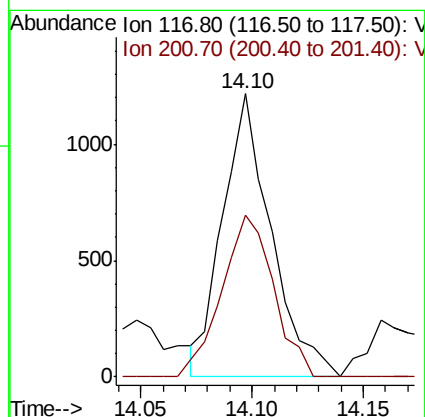
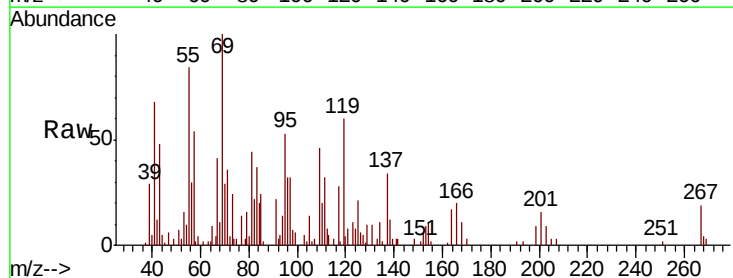
Manual Integrations
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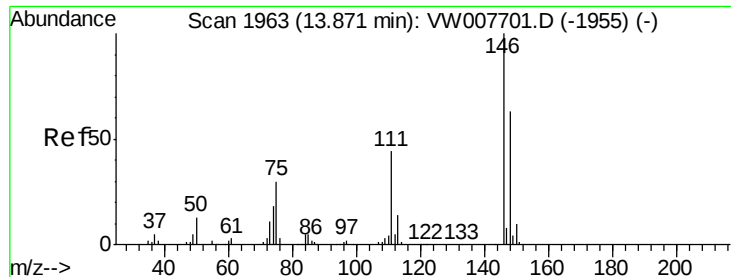
MMDadoda
12/26/2018 4:33:50 PM



#90
Hexachloroethane
Concen: 26.648 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1836		
201	61.3	36.2	108.6	





#91

1,2-Dichlorobenzene

Concen: 42.777 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Instrument :

MSVOA_W

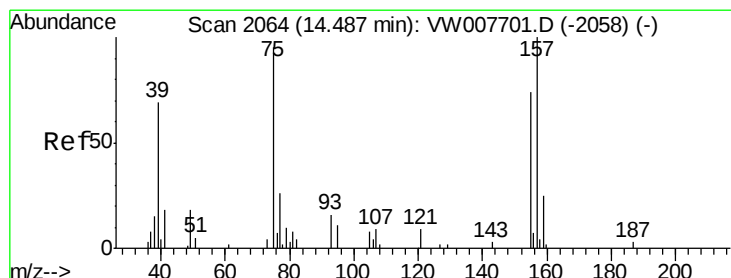
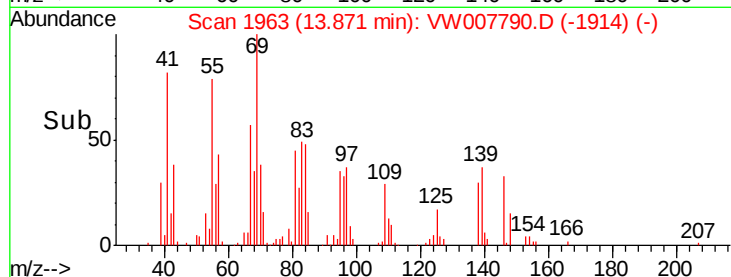
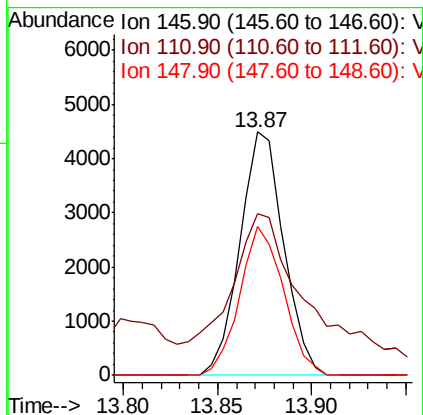
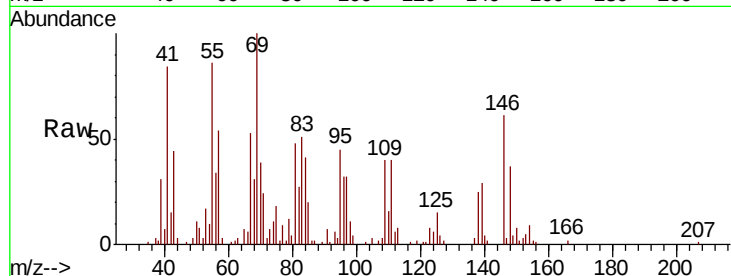
ClientSampleId :

P001-DS001-01MS

Tgt Ion:	146	Resp:	7211
Ion Ratio	Lower	Upper	
146	100		
111	96.1	21.7	65.1#
148	61.5	32.1	96.5

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12/26/2018 4:33:50 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 155.018 ug/l

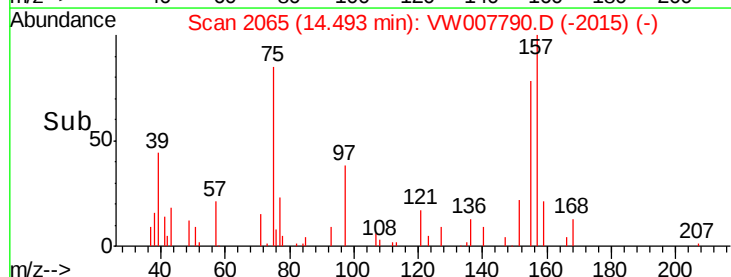
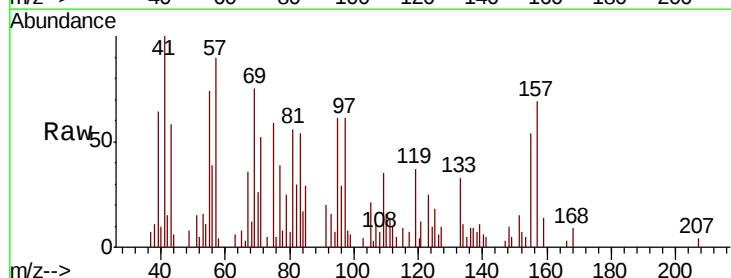
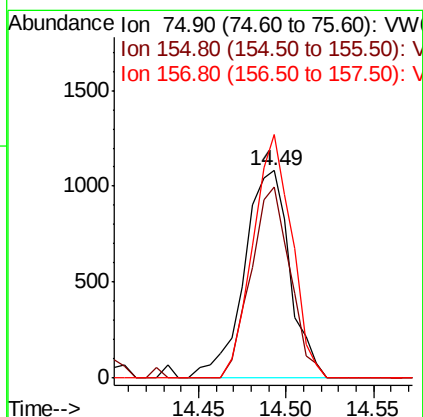
RT: 14.49 min Scan# 2065

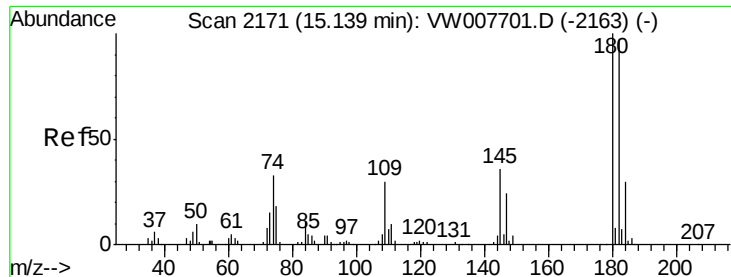
Delta R.T. 0.01 min

Lab File: VW007790.D

Acq: 21 Dec 2018 12:34

Tgt Ion:	75	Resp:	1975
Ion Ratio	Lower	Upper	
75	100		
155	79.7	39.4	118.1
157	99.7	52.0	156.0





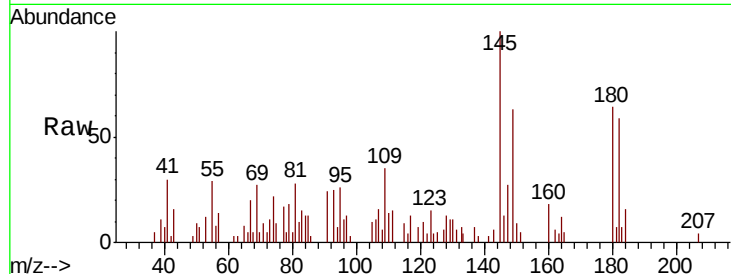
#93
1,2,4-Trichlorobenzene
Concen: 16.212 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.5	47.5	142.6
145	264.0	17.5	52.5#

Manual Integrations
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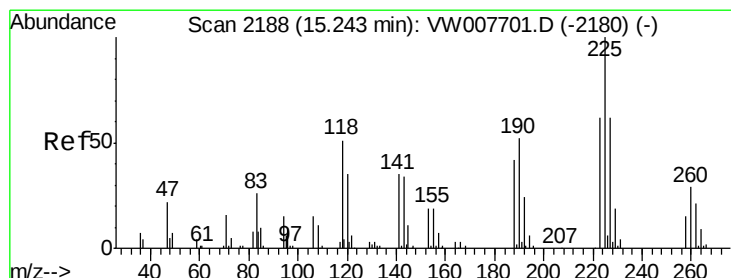
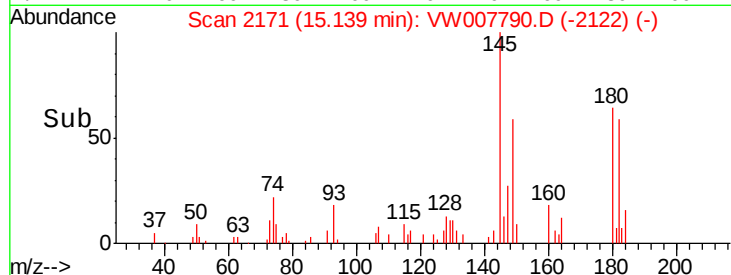
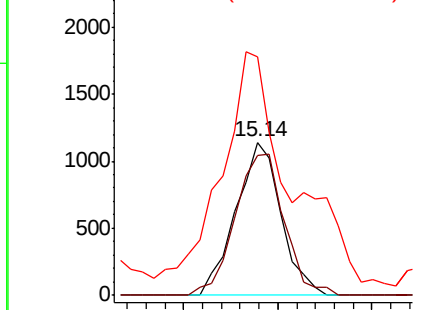


Abundance

Ion 179.80 (179.50 to 180.50): V

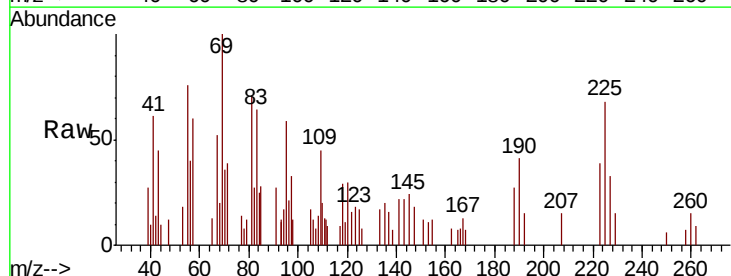
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 12.825 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.0	31.6	94.8
227	70.9	32.1	96.3

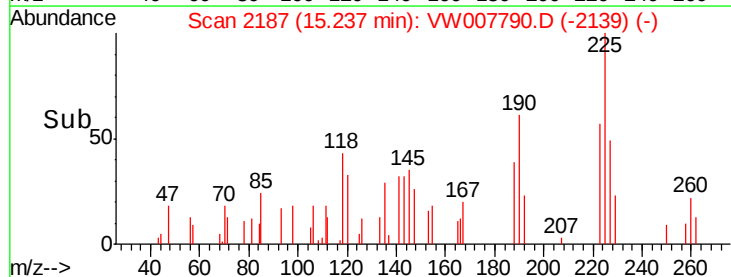
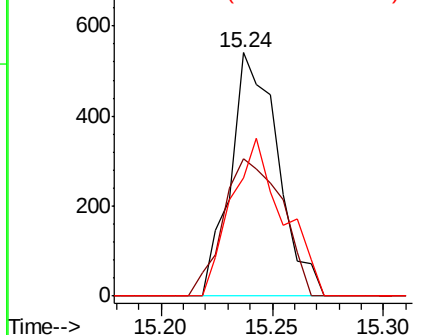


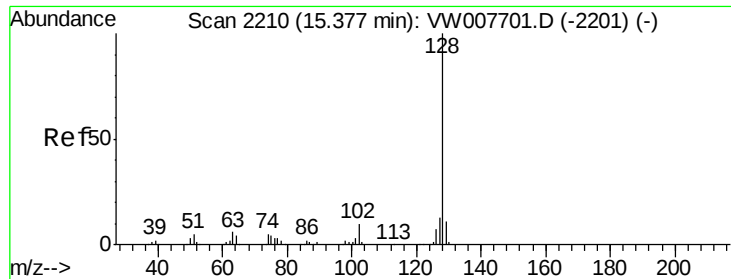
Abundance

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





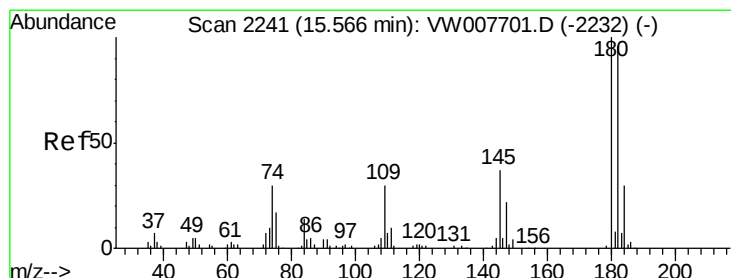
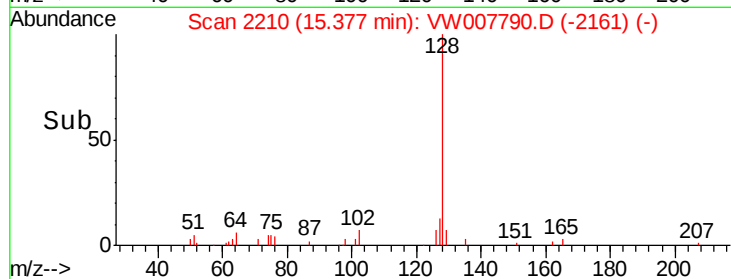
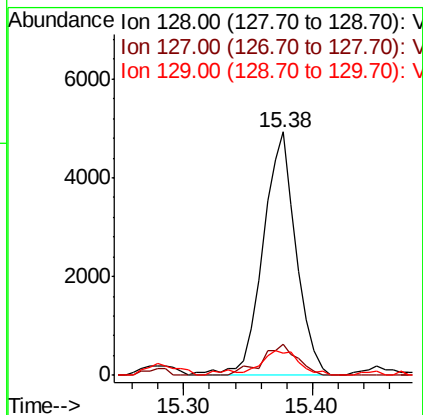
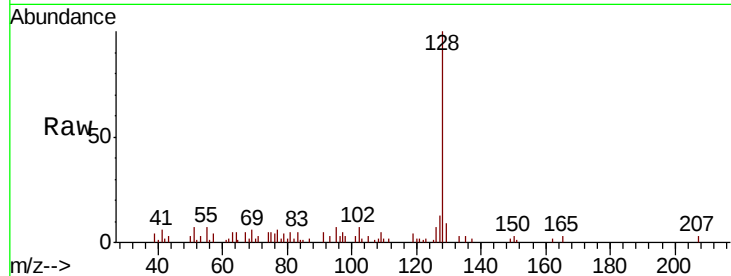
#95
Naphthalene
Concen: 40.335 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Instrument :
MSVOA_W
ClientSampleId :
P001-DS001-01MS

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 4:33:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 14.177 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007790.D
Acq: 21 Dec 2018 12:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.4	142.2
145	124.5	18.4	55.0#

