

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007841.D
 Acq On : 22 Dec 2018 13:59
 Operator : SY/AP
 Sample : J6386-14MSD
 Misc : 6.32G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:01:34 AM

Quant Time: Dec 24 01:40:14 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	18452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	32179	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	24835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13496	66.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.46%	
35) Dibromofluoromethane	7.89	113	11248	57.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.60%	
50) Toluene-d8	10.32	98	36052	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.62	95	11234	39.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	7929	48.337	ug/l	97
3) Chloromethane	2.21	50	8214	81.547	ug/l	94
4) Vinyl Chloride	2.37	62	10227	79.760	ug/l	100
5) Bromomethane	2.79	94	7619	85.312	ug/l	94
6) Chloroethane	2.93	64	6201	90.397	ug/l	99
7) Trichlorofluoromethane	3.26	101	14113	105.722	ug/l	96
8) Diethyl Ether	3.68	74	7173	87.727	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.07	101	8604	43.764	ug/l	95
10) Methyl Iodide	4.27	142	19716	63.061	ug/l	96
11) Tert butyl alcohol	5.17	59	5984	438.619	ug/l	100
12) 1,1-Dichloroethene	4.04	96	10411	57.187	ug/l	92
13) Acrolein	3.90	56	2553	234.043	ug/l	98
14) Allyl chloride	4.67	41	17706	74.166	ug/l	89
15) Acrylonitrile	5.37	53	16592	475.713	ug/l	99
16) Acetone	4.12	43	31831	840.494	ug/l	98
17) Carbon Disulfide	4.37	76	29689	52.699	ug/l	99
18) Methyl Acetate	4.68	43	24308	269.887	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	36877	141.098	ug/l	96
20) Methylene Chloride	4.92	84	13458	74.097	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	12221	61.037	ug/l	96
22) Diisopropyl ether	6.32	45	38498	86.121	ug/l	97
23) Vinyl Acetate	6.26	43	23366	87.978	ug/l	97
24) 1,1-Dichloroethane	6.22	63	22059	67.078	ug/l	99
25) 2-Butanone	7.18	43	20394	459.749	ug/l	97
26) 2,2-Dichloropropane	7.18	77	19111	79.416	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	14671	68.776	ug/l	97
28) Bromochloromethane	7.51	49	8613	76.816	ug/l	92
29) Tetrahydrofuran	7.53	42	13604	514.146	ug/l	98
30) Chloroform	7.68	83	23740	63.789	ug/l	99
31) Cyclohexane	7.96	56	12410	41.221	ug/l #	82
32) 1,1,1-Trichloroethane	7.87	97	19559	57.705	ug/l	98
36) 1,1-Dichloropropene	8.09	75	15289	49.226	ug/l	99
37) Ethyl Acetate	7.26	43	5655	52.758	ug/l	99
38) Carbon Tetrachloride	8.07	117	15147	41.411	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	10663	27.629	ug/l	95
40) Benzene	8.33	78	50299	60.690	ug/l	97
41) Methacrylonitrile	7.49	41	5035	82.737	ug/l	98
42) 1,2-Dichloroethane	8.40	62	19166	69.006	ug/l	98
43) Isopropyl Acetate	8.43	43	13051	60.775	ug/l	96
44) Trichloroethene	9.10	130	12836	51.213	ug/l	90
45) 1,2-Dichloropropane	9.37	63	12244	66.580	ug/l	99
46) Dibromomethane	9.46	93	8143	71.932	ug/l	97
47) Bromodichloromethane	9.65	83	16964	57.002	ug/l	96
48) Methyl methacrylate	9.44	41	11120	103.740	ug/l	92
49) 1,4-Dioxane	9.45	88	2658	1480.943	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	43821	431.786	ug/l	100
52) Toluene	10.39	92	53718	96.604	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	19559	66.074	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	21163	64.724	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	11112	71.202	ug/l	95
56) Ethyl methacrylate	10.65	69	9543	51.755	ug/l #	93
57) 1,3-Dichloropropane	10.94	76	18707	72.186	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	31966	379.704	ug/l	97
59) 2-Hexanone	10.97	43	28974	405.950	ug/l	100
60) Dibromochloromethane	11.13	129	11544	55.866	ug/l	99
61) 1,2-Dibromoethane	11.24	107	11075	70.078	ug/l	98
64) Tetrachloroethene	10.87	164	7484	42.556	ug/l	90
65) Chlorobenzene	11.66	112	29505	54.889	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	11248	58.562	ug/l	97
67) Ethyl Benzene	11.73	91	51618	55.960	ug/l	95
68) m/p-Xylenes	11.84	106	46040	128.670	ug/l	99
69) o-Xylene	12.17	106	20641	61.540	ug/l	97
70) Styrene	12.18	104	29157	52.884	ug/l	98
71) Bromoform	12.35	173	5974	59.915	ug/l #	99
73) Isopropylbenzene	12.47	105	37937	60.171	ug/l	98
74) N-amyl acetate	12.27	43	6223	56.982	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	11517	121.833	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	11239m	174.334	ug/l	
77) Bromobenzene	12.75	156	11133	77.049	ug/l	88
78) n-propylbenzene	12.81	91	38953	53.075	ug/l	98
79) 2-Chlorotoluene	12.90	91	26165	61.198	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	28854	53.056	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	3816	124.248	ug/l	91
82) 4-Chlorotoluene	12.99	91	28461	62.519	ug/l	99
83) tert-Butylbenzene	13.21	119	23281	48.789	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	30369	55.341	ug/l	96
85) sec-Butylbenzene	13.39	105	27356	41.597	ug/l	98
86) p-Isopropyltoluene	13.50	119	24087	40.279	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	15193	52.958	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	16516	57.553	ug/l	98
89) n-Butylbenzene	13.83	91	18369	33.502	ug/l	98
90) Hexachloroethane	14.10	117	3258	31.033	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	14756	57.448	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1657	85.354	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	4906	27.516	ug/l	98
94) Hexachlorobutadiene	15.24	225	1923	20.181	ug/l	93
95) Naphthalene	15.38	128	18340	55.636	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	3614	23.679	ug/l	96

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

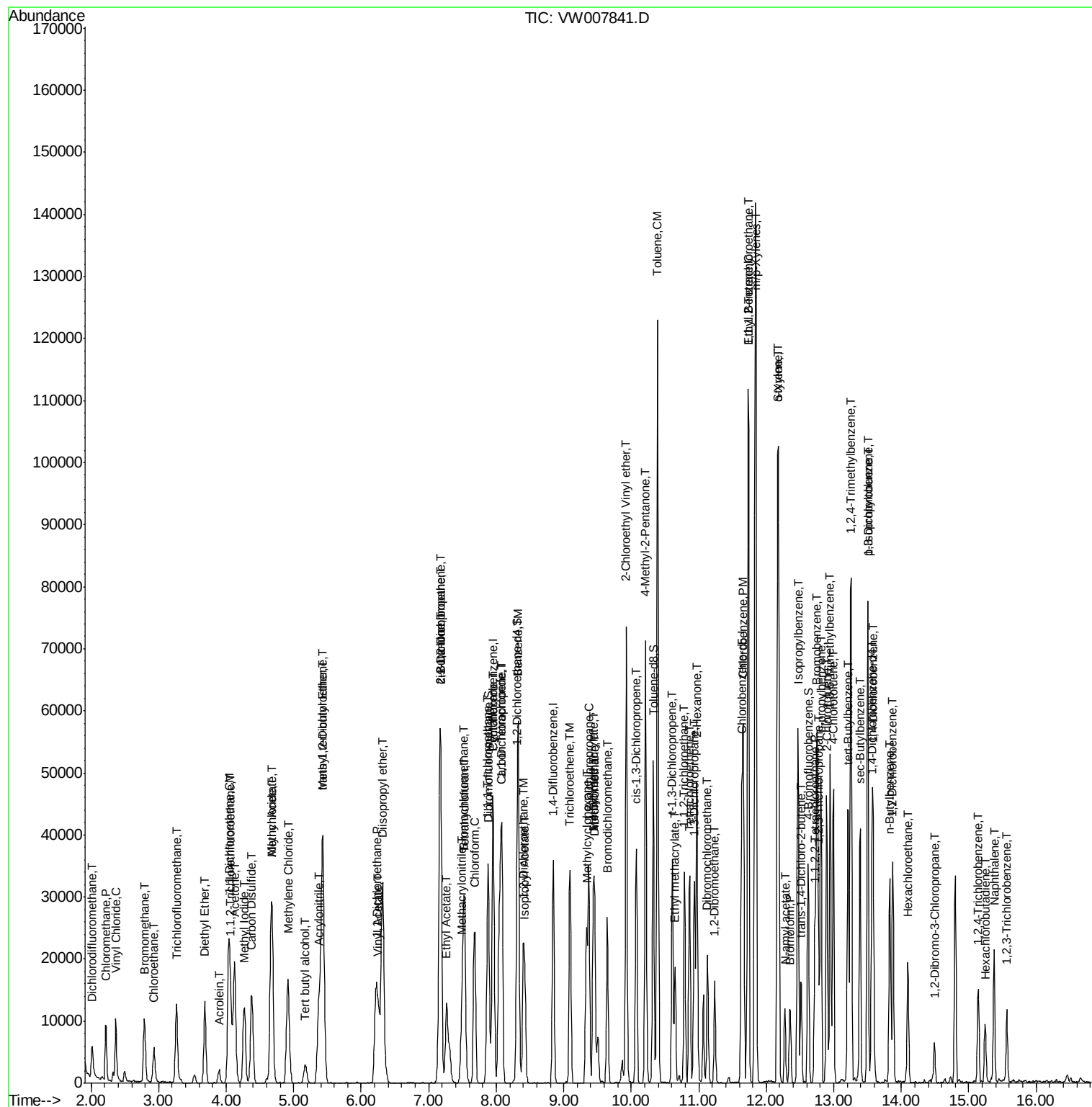
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Data File : VW007841.D
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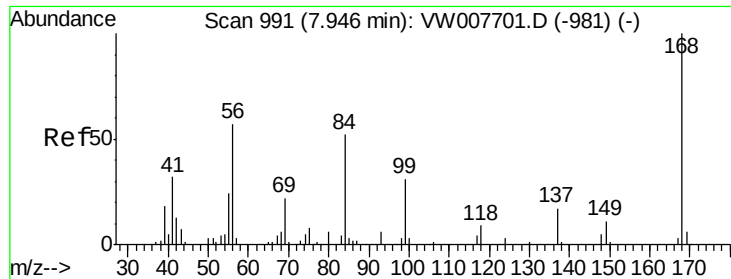
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion:168 Resp: 18452

Ion Ratio Lower Upper

168 100

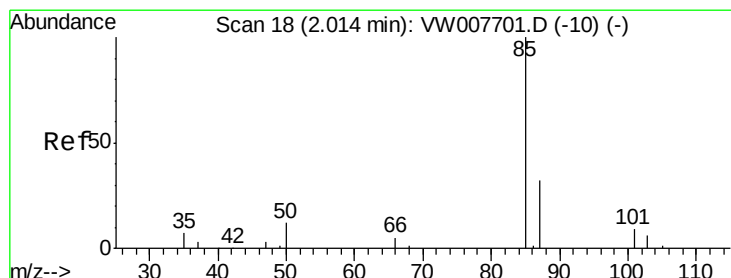
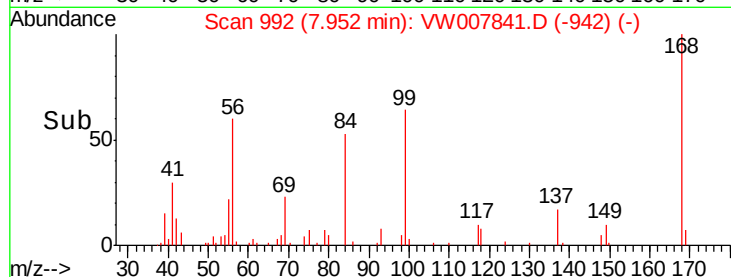
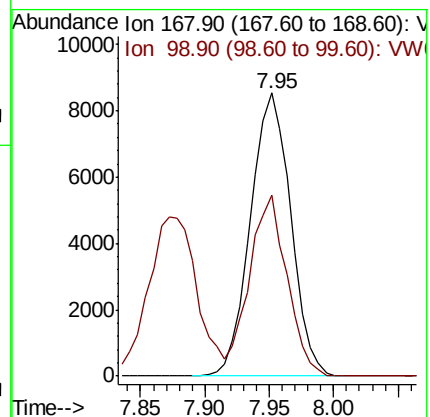
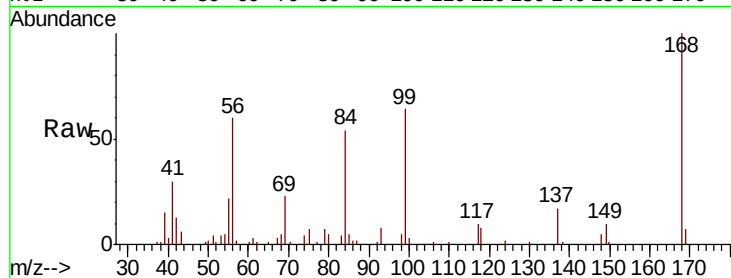
99 64.1 54.0 81.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.337 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007841.D

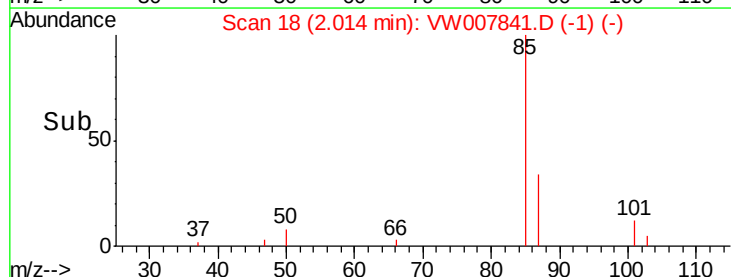
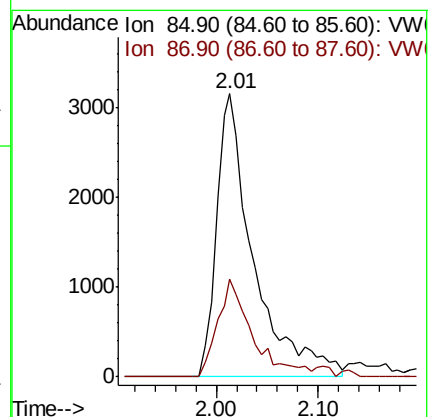
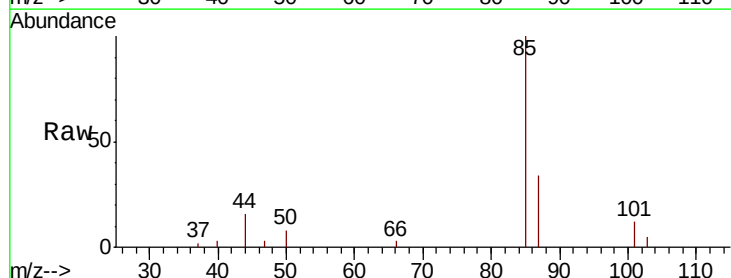
Acq: 22 Dec 2018 13:59

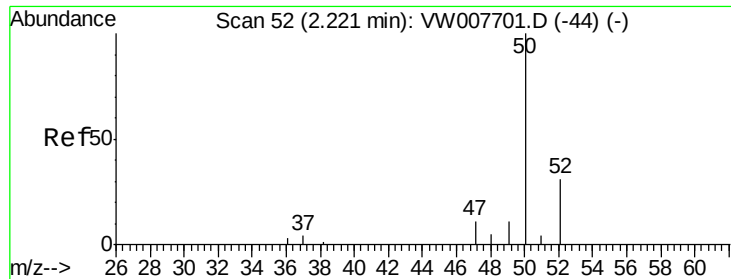
Tgt Ion: 85 Resp: 7929

Ion Ratio Lower Upper

85 100

87 34.4 16.3 48.8





#3

Chloromethane

Concen: 81.547 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion: 50 Resp: 8214

Ion Ratio Lower Upper

50 100

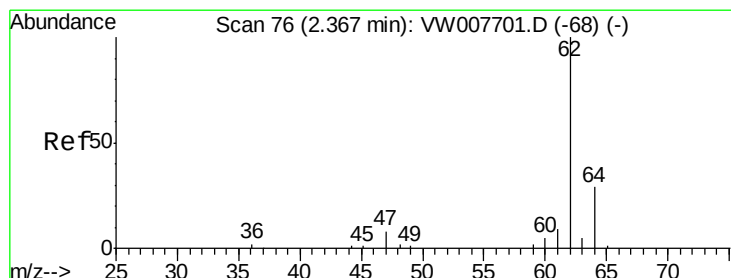
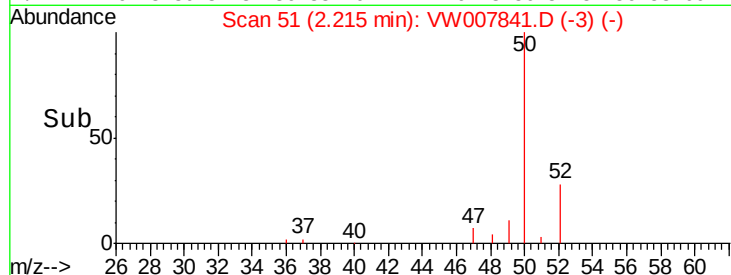
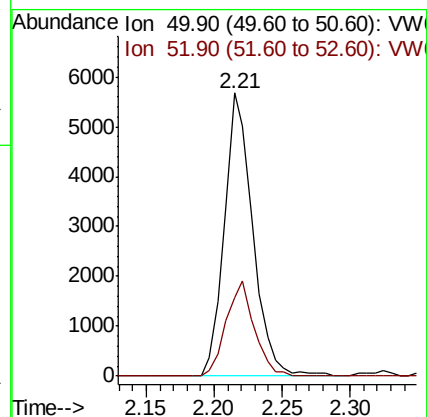
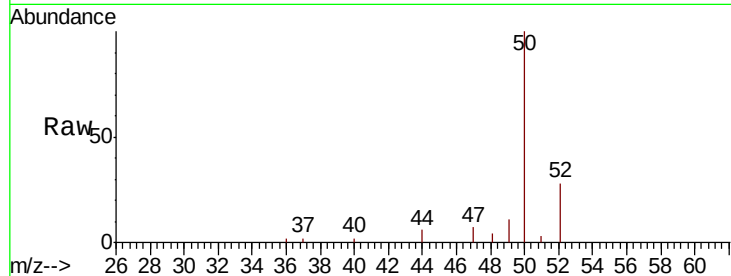
52 28.0 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 79.760 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007841.D

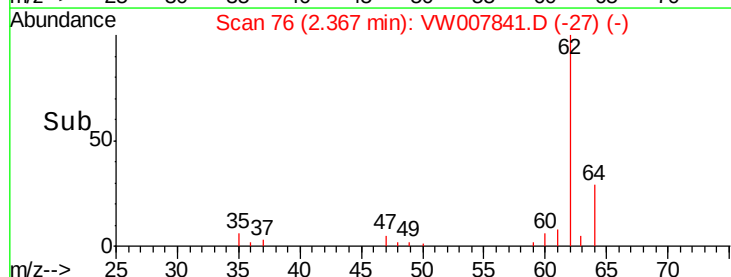
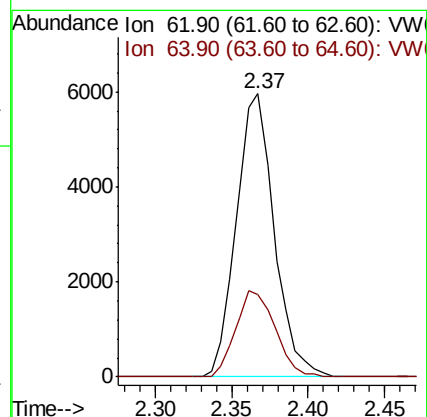
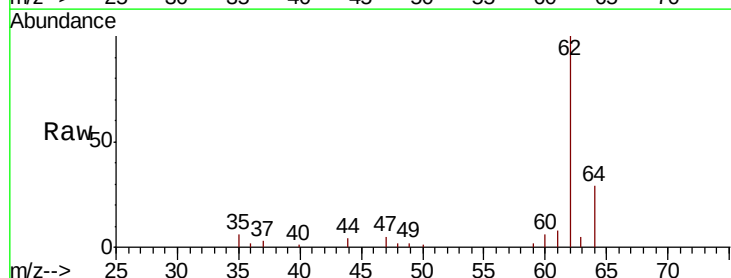
Acq: 22 Dec 2018 13:59

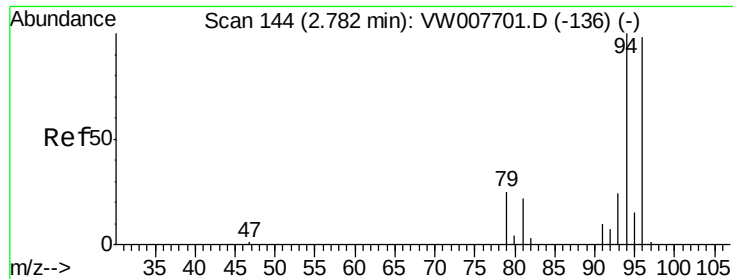
Tgt Ion: 62 Resp: 10227

Ion Ratio Lower Upper

62 100

64 29.3 23.4 35.0





#5

Bromomethane

Concen: 85.312 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

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ClientSampleId :

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Tot Ion: 94 Resp: 7619

Ion Ratio Lower Upper

94 100

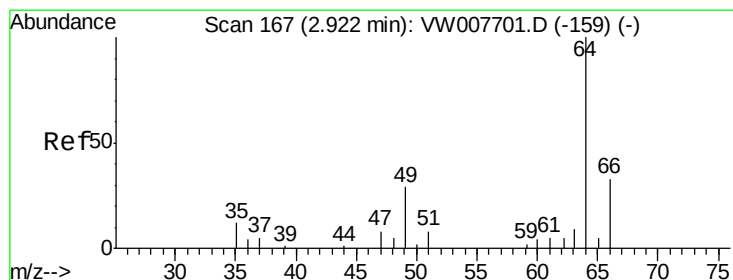
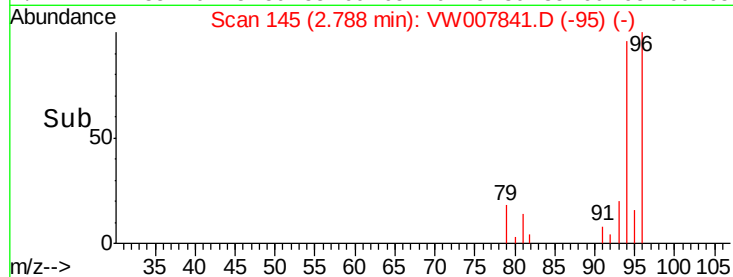
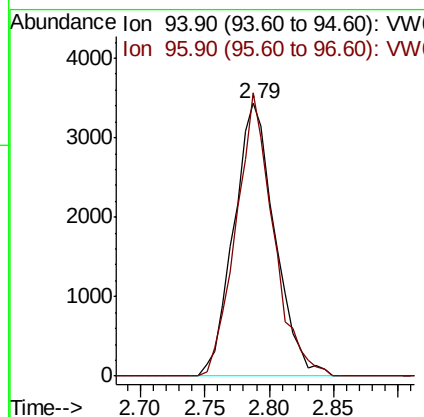
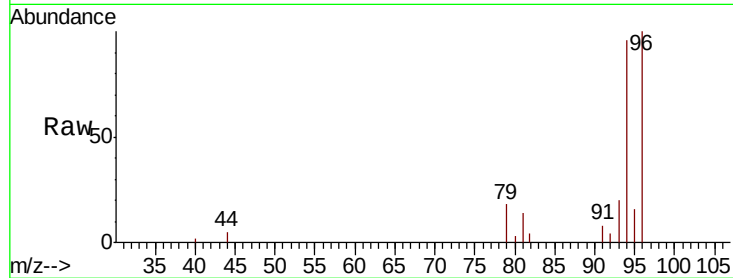
96 103.8 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 90.397 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007841.D

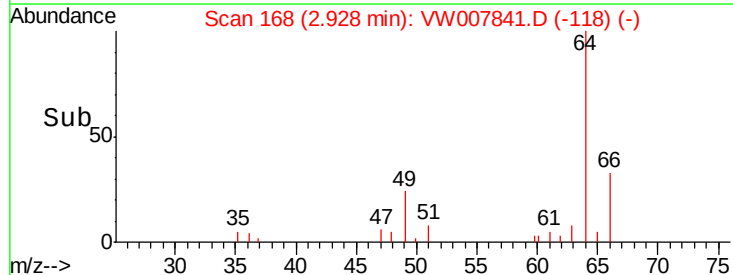
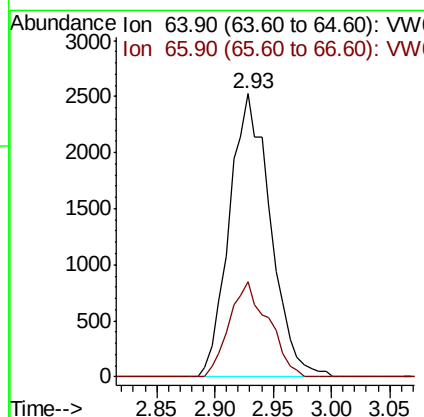
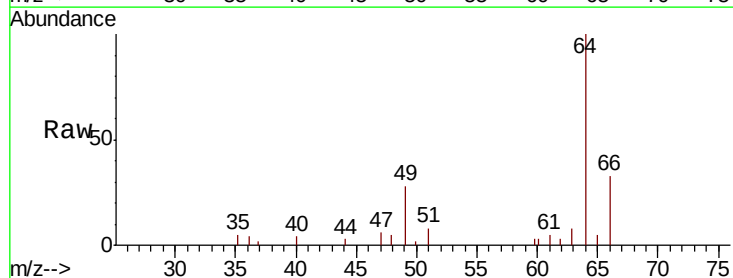
Acq: 22 Dec 2018 13:59

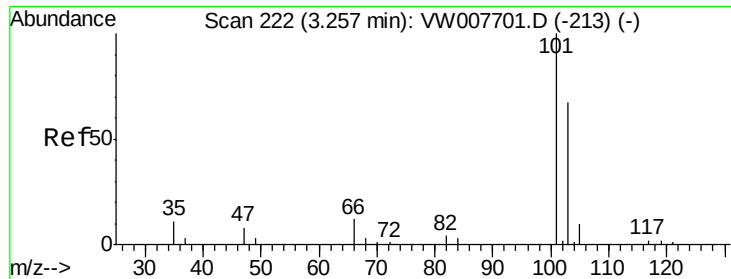
Tgt Ion: 64 Resp: 6201

Ion Ratio Lower Upper

64 100

66 33.5 26.2 39.4





#7

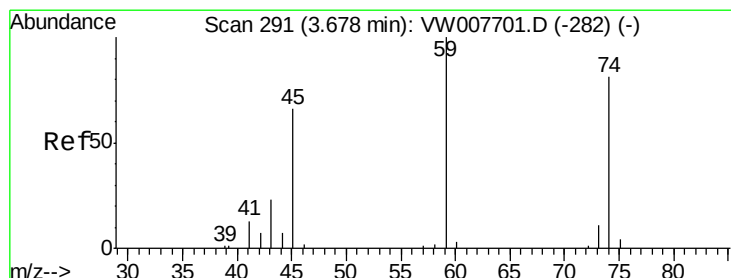
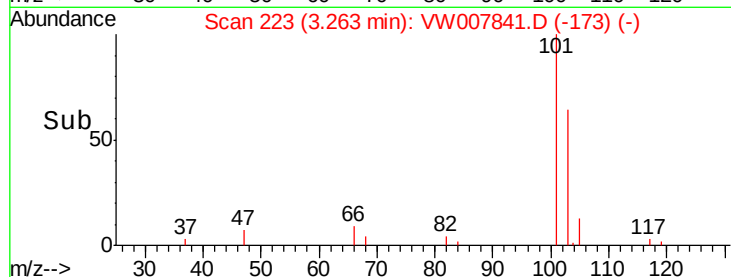
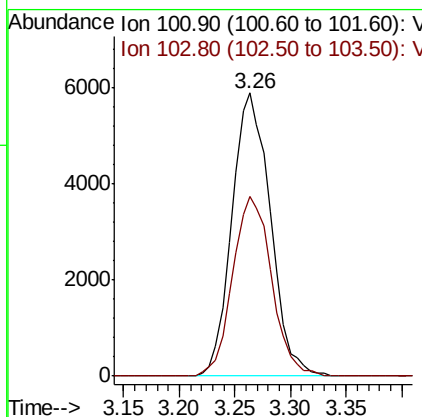
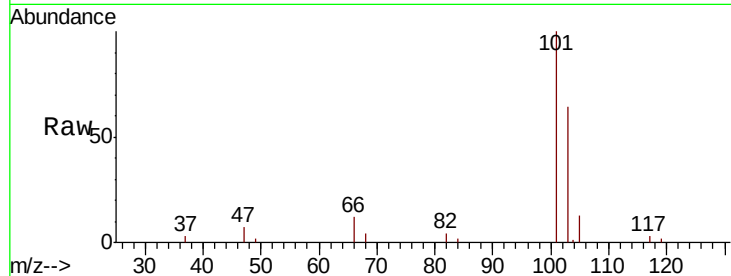
Trichlorofluoromethane
Concen: 105.722 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	53.4	80.2

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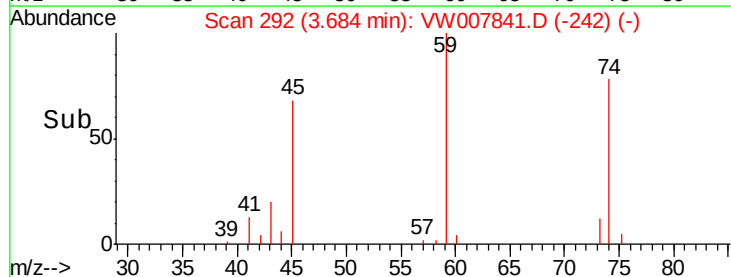
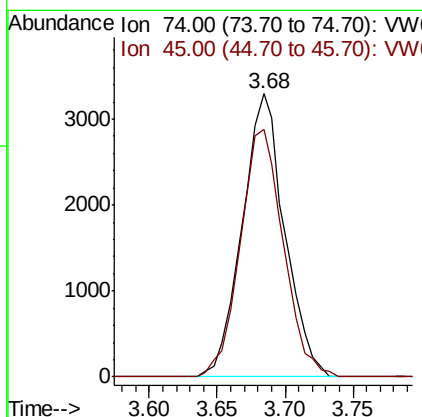
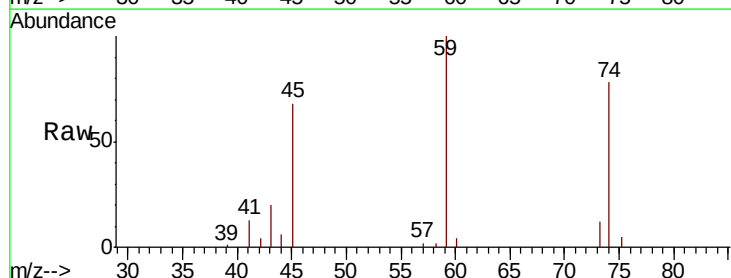
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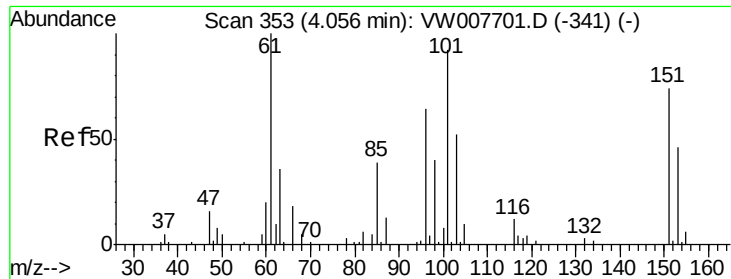


#8

Diethyl Ether
Concen: 87.727 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.0	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.764 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW007841.D

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Instrument :

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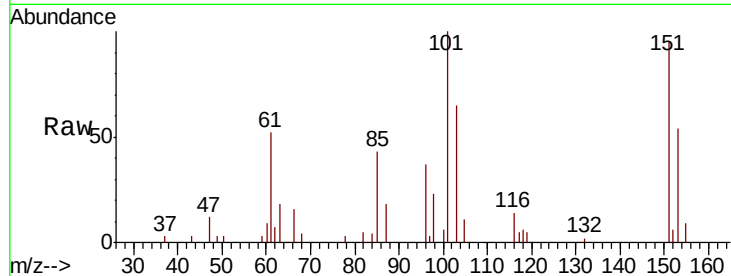
ClientSampleId :

P001-SS006-1824-01MSD

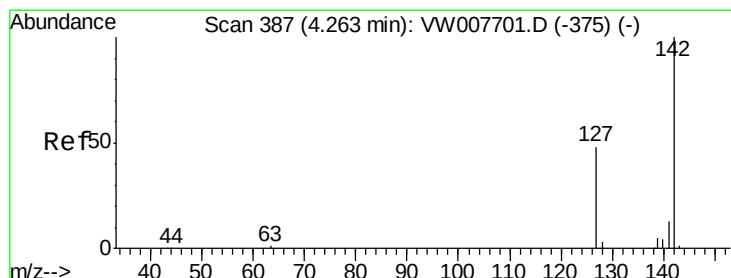
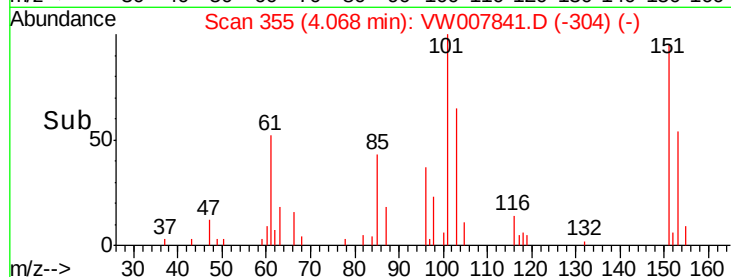
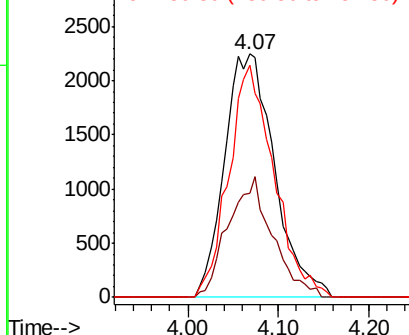
Tot Ion:	101	Resp:	8604
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.3	51.5
151	86.1	64.6	96.8

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



#10

Methyl Iodide

Concen: 63.061 ug/l

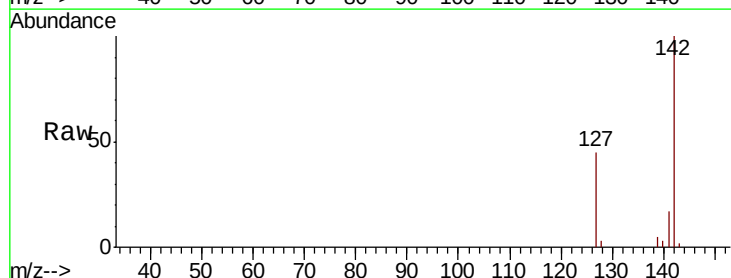
RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

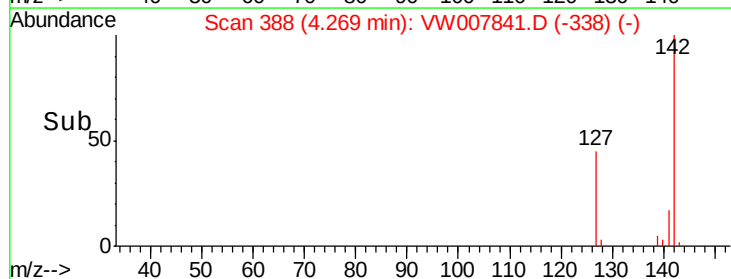
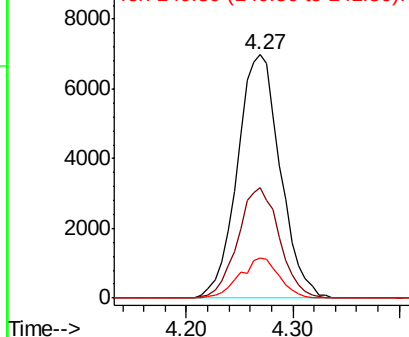
Lab File: VW007841.D

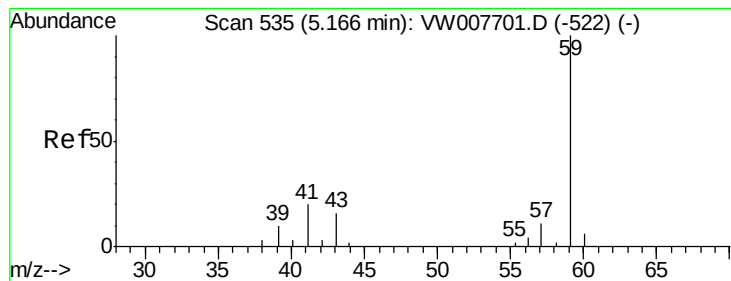
Acq: 22 Dec 2018 13:59

Tgt Ion:	142	Resp:	19716
Ion Ratio	Lower	Upper	
142	100		
127	43.9	37.7	56.5
141	15.2	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

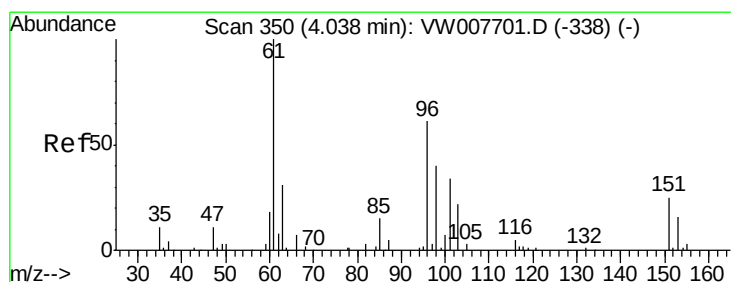
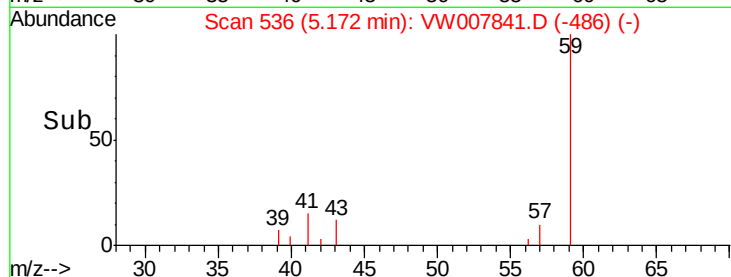
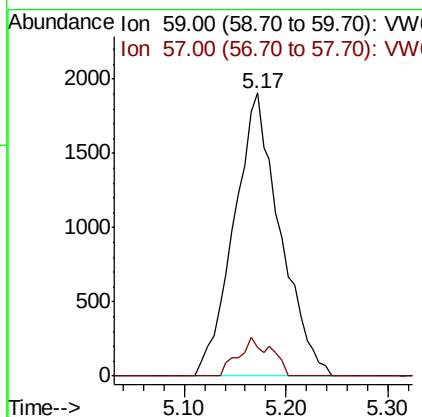
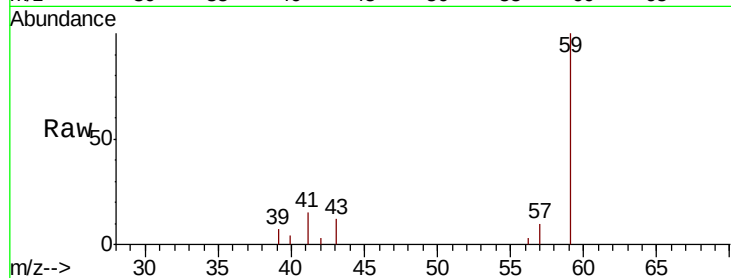
Tert butyl alcohol
 Concen: 438.619 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Tot Ion	59.00 (58.70 to 59.70): VW	Resp	5984
Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

Manual Integrations
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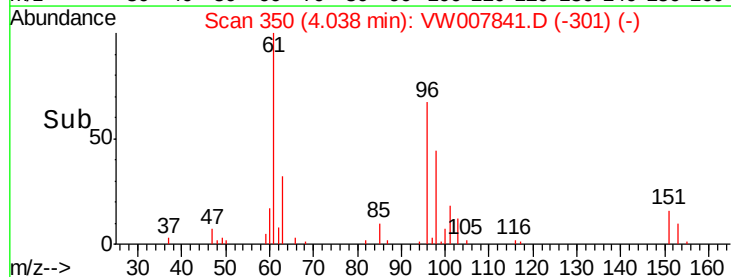
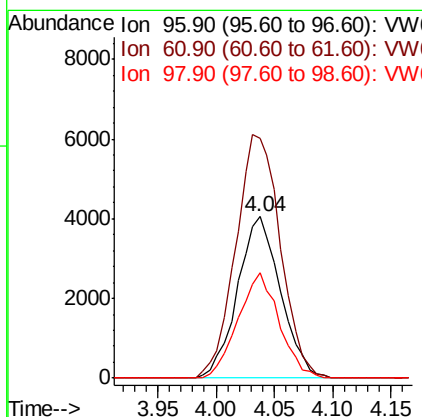
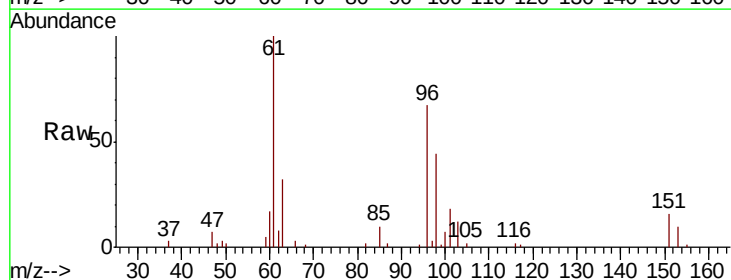
MMDadoda
 12/26/2018 11:01:34 AM

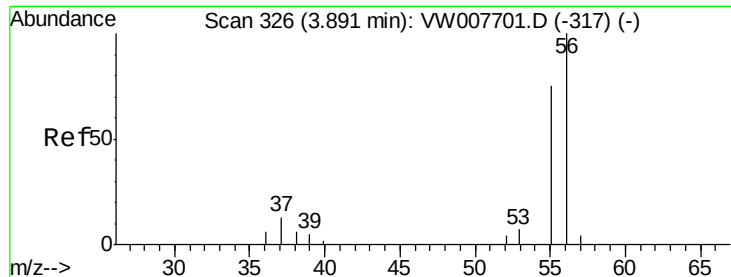


#12

1,1-Dichloroethene
 Concen: 57.187 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Tgt Ion	96	Resp	10411
Ion	Ratio	Lower	Upper
96	100		
61	148.5	130.6	195.8
98	65.3	52.3	78.5





#13

Acrolein

Concen: 234.043 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion: 56 Resp: 2553

Ion Ratio Lower Upper

56 100

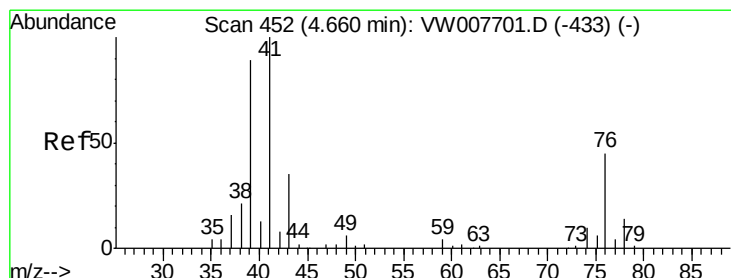
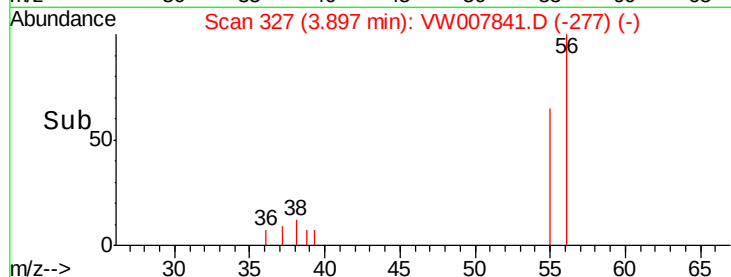
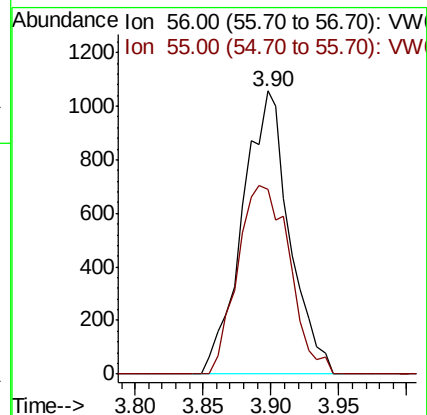
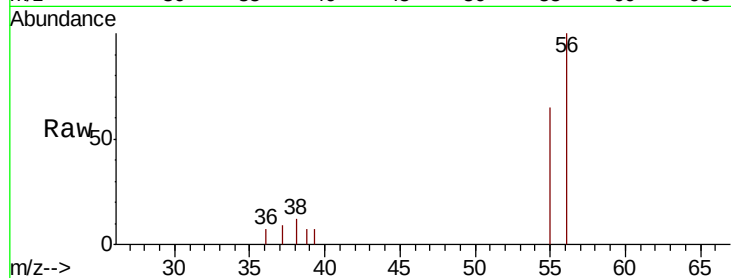
55 73.6 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 74.166 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

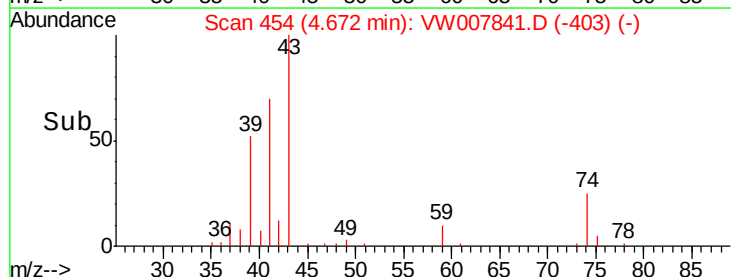
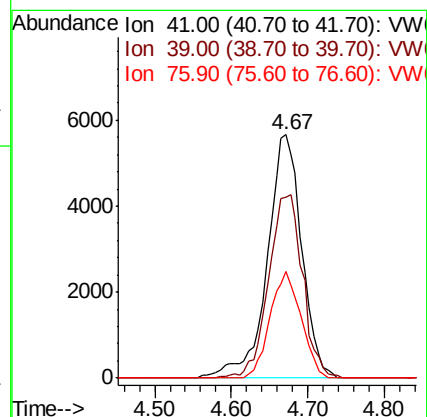
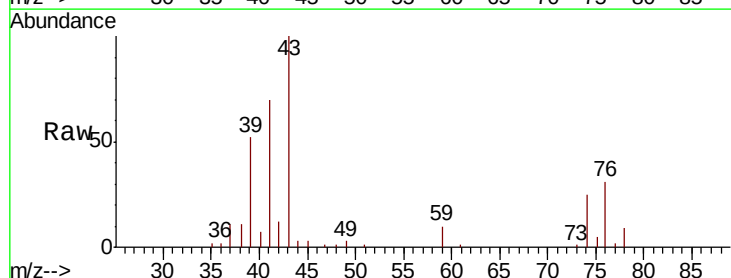
Tgt Ion: 41 Resp: 17706

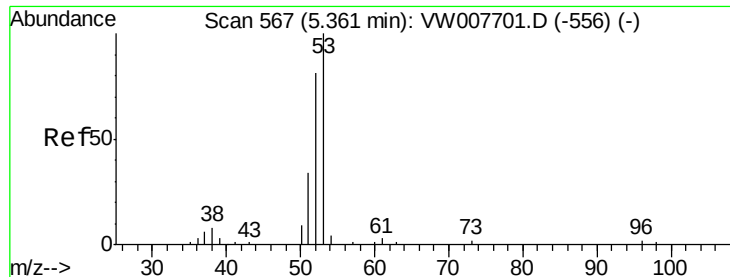
Ion Ratio Lower Upper

41 100

39 74.5 69.5 104.3

76 39.4 34.8 52.2





#15

Acrylonitrile

Concen: 475.713 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

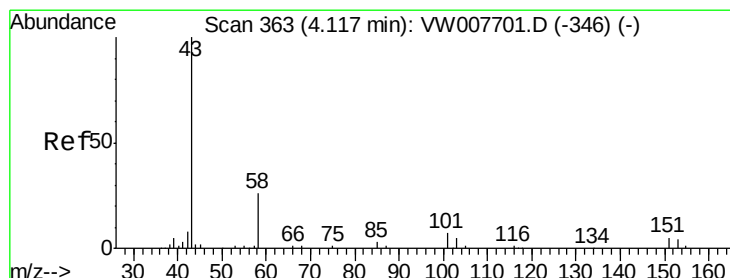
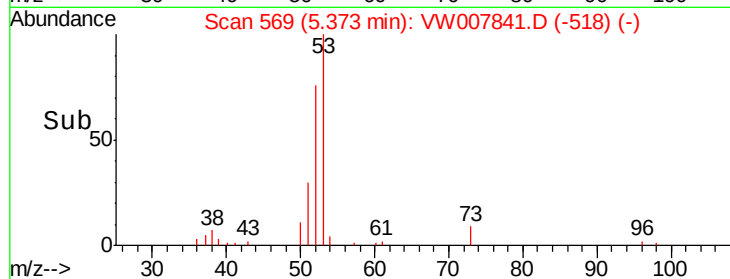
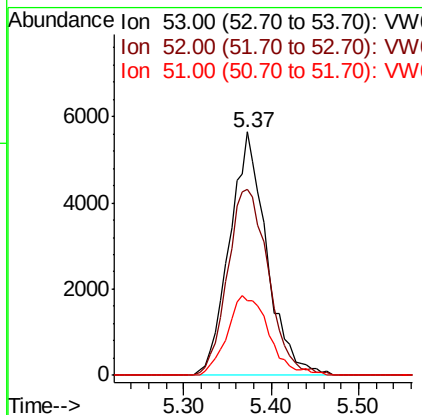
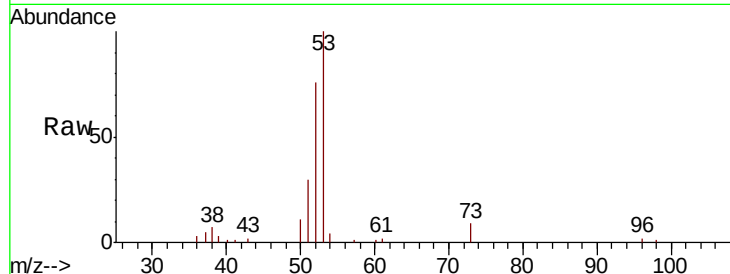
ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion:	53	Resp:	16592
Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.0	100.4
51	36.9	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 840.494 ug/l

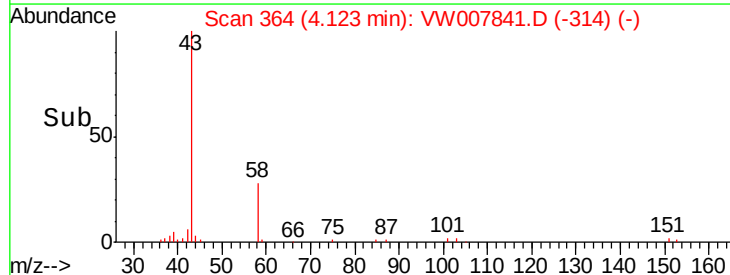
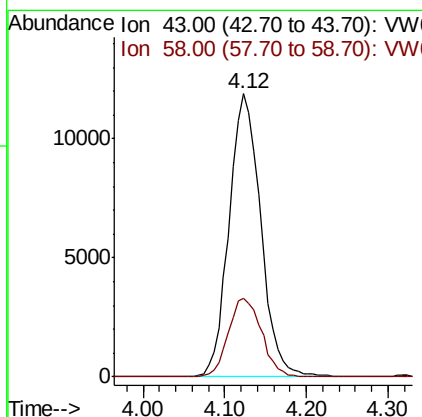
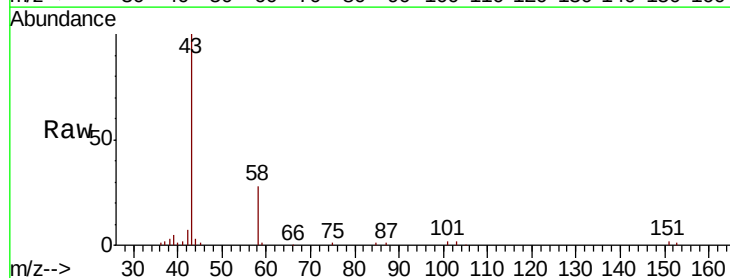
RT: 4.12 min Scan# 364

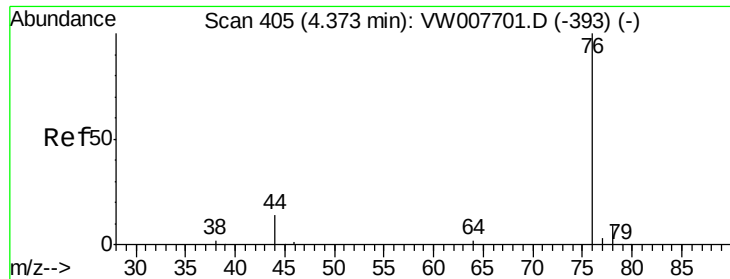
Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Tgt Ion:	43	Resp:	31831
Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.2	31.8





#17

Carbon Disulfide

Concen: 52.699 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion: 76 Resp: 29689

Ion Ratio Lower Upper

76 100

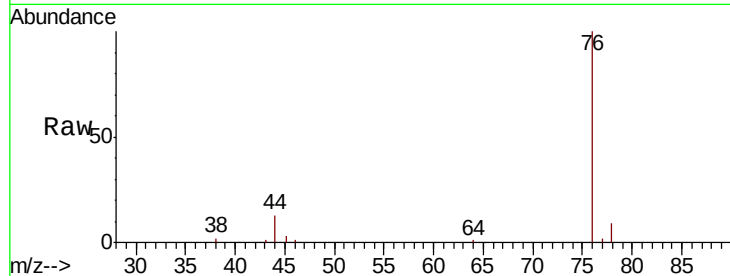
78 9.5 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

12000

10000

8000

6000

4000

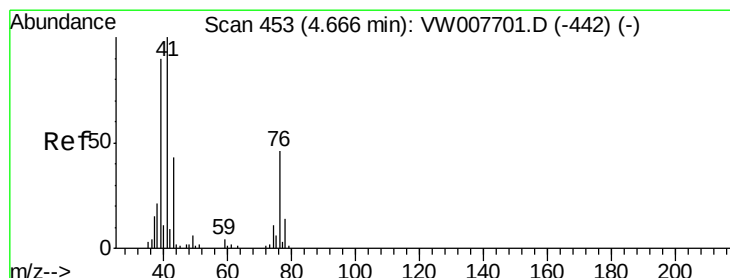
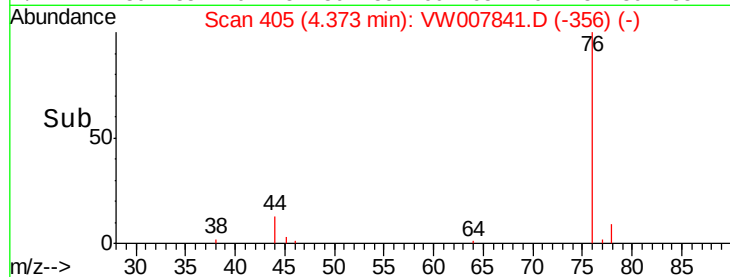
2000

0

4.37

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 269.887 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW007841.D

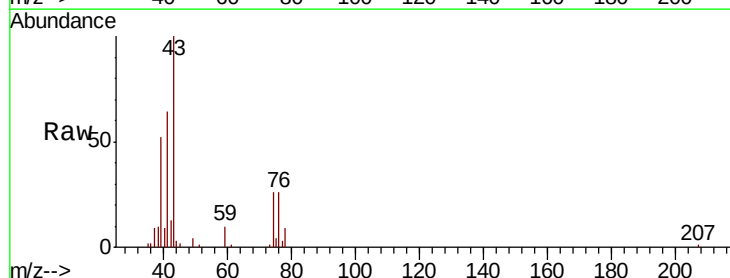
Acq: 22 Dec 2018 13:59

Tgt Ion: 43 Resp: 24308

Ion Ratio Lower Upper

43 100

74 26.3 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

8000

6000

4000

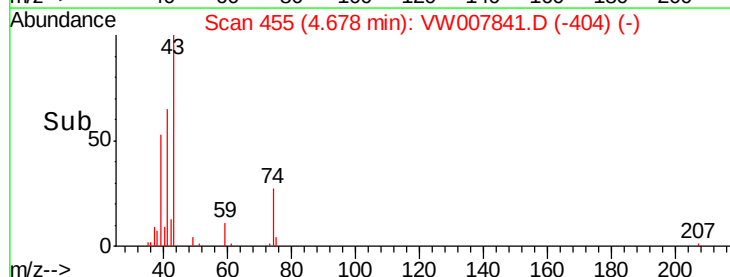
2000

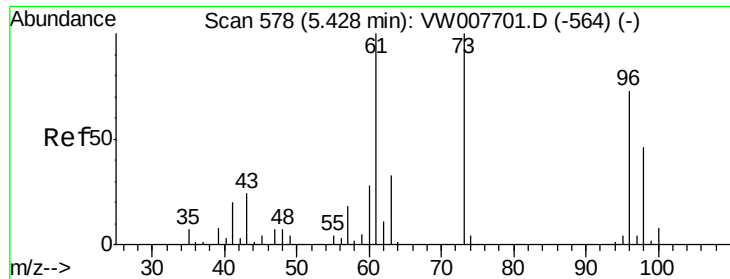
0

4.68

4.60 4.70 4.80

Time-->





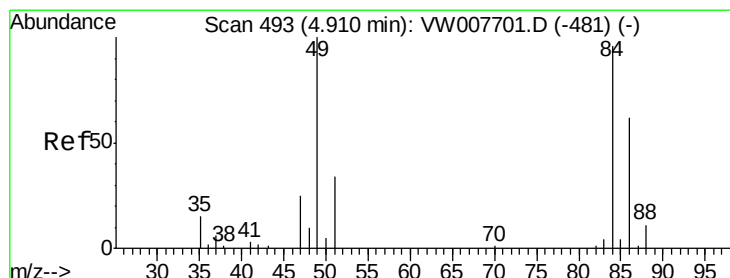
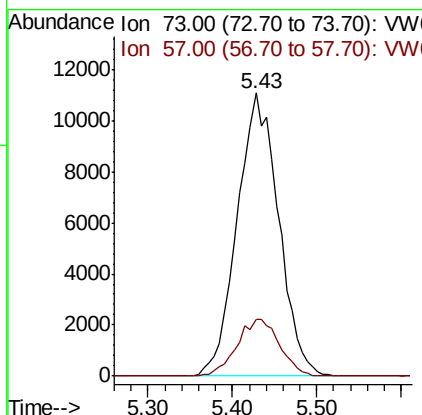
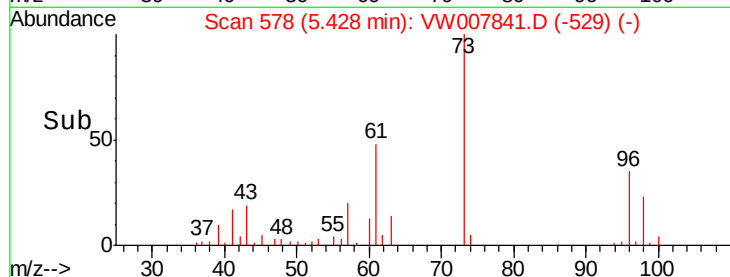
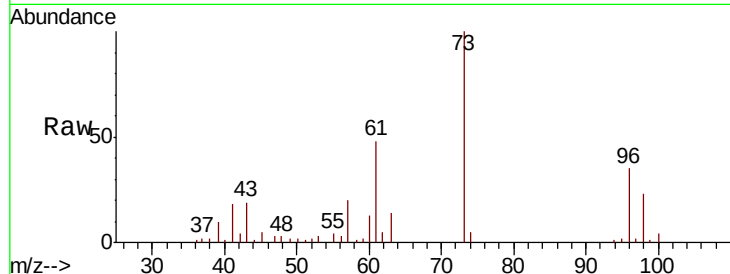
#19
Methyl tert-butyl Ether
Concen: 141.098 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion: 73 Resp: 36877
Ion Ratio Lower Upper
73 100
57 20.2 14.7 22.1

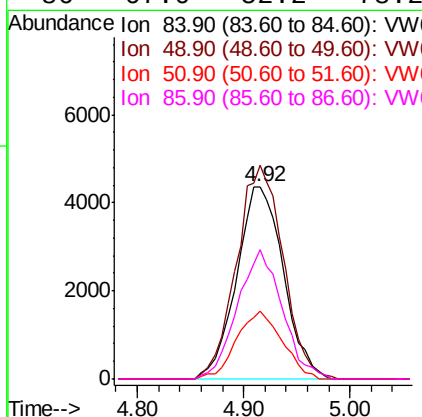
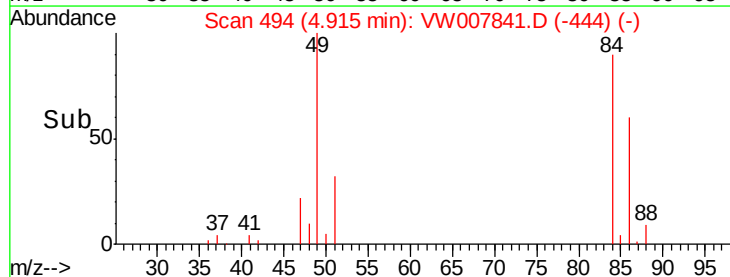
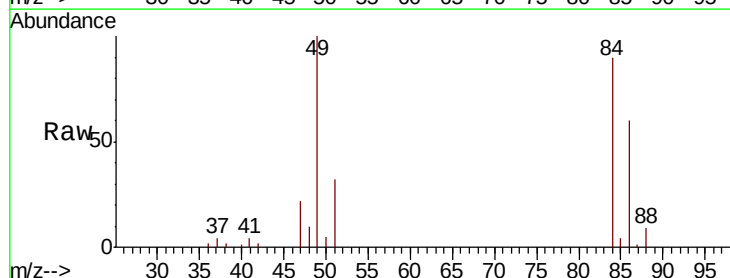
Manual Integrations
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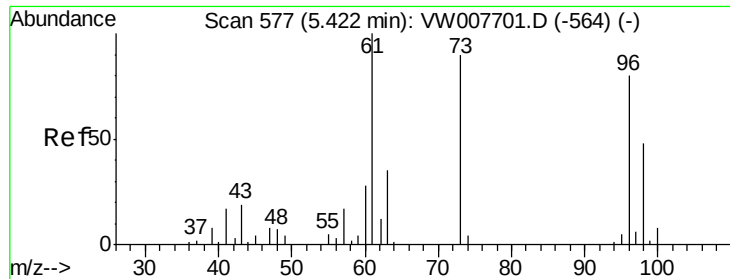
MMDadoda
12/26/2018 11:01:34 AM



#20
Methylene Chloride
Concen: 74.097 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion: 84 Resp: 13458
Ion Ratio Lower Upper
84 100
49 111.0 83.7 125.5
51 35.3 28.2 42.2
86 67.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 61.037 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

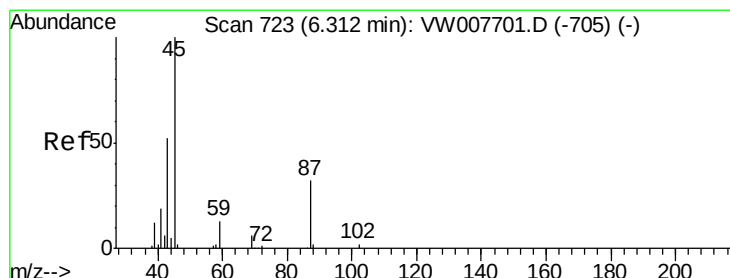
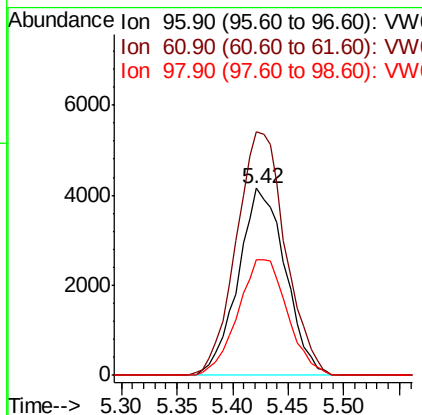
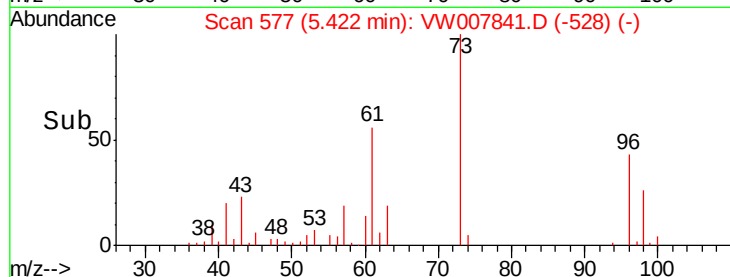
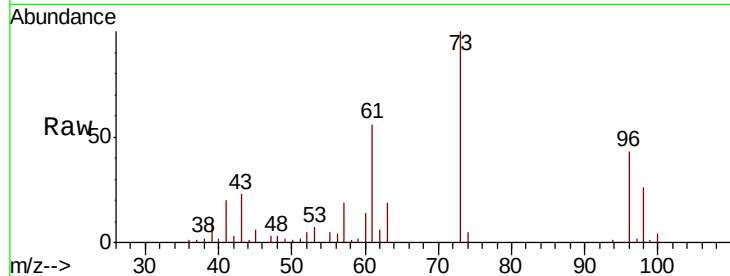
ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion:	96	Resp:	12221
Ion	Ratio	Lower	Upper
96	100		
61	130.4	100.1	150.1
98	61.9	48.5	72.7

Manual Integrations
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12/26/2018 11:01:34 AM



#22

Diisopropyl ether

Concen: 86.121 ug/l

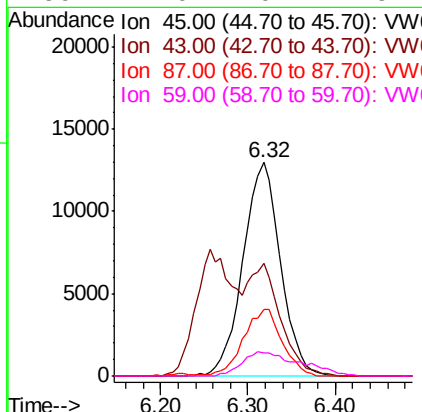
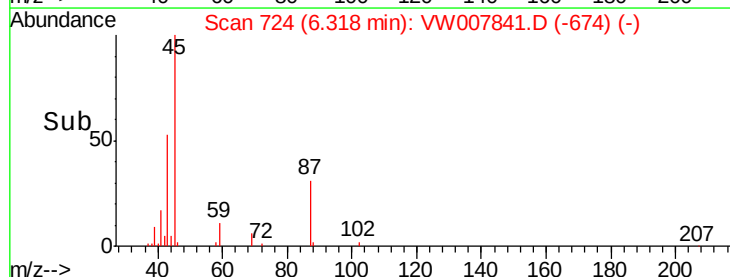
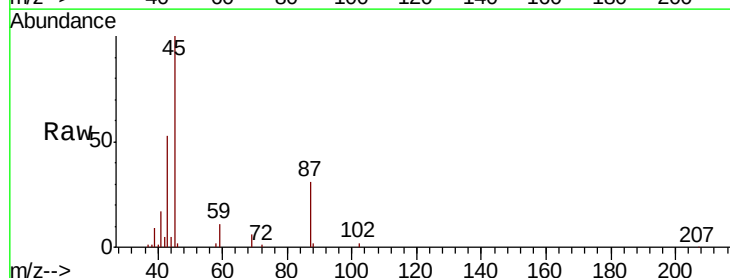
RT: 6.32 min Scan# 724

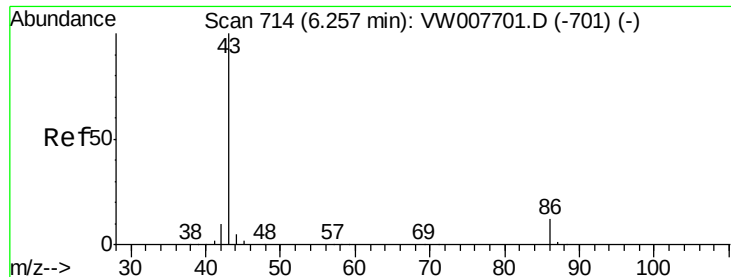
Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Tgt Ion:	45	Resp:	38498
Ion	Ratio	Lower	Upper
45	100		
43	52.5	43.7	65.5
87	31.2	26.6	40.0
59	11.0	10.2	15.2





#23

Vinyl Acetate

Concen: 87.978 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion: 43 Resp: 23366

Ion Ratio Lower Upper

43 100

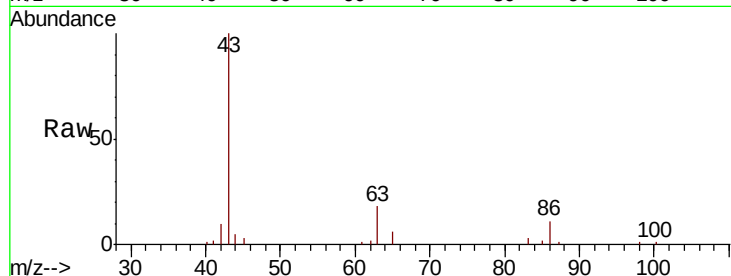
86 10.8 9.6 14.4

Manual Integrations

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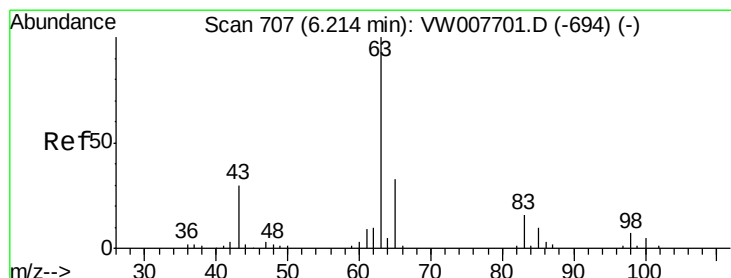
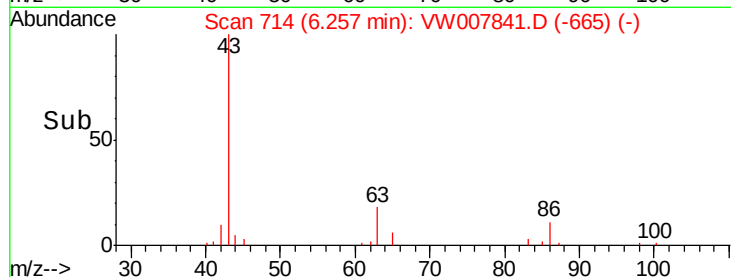
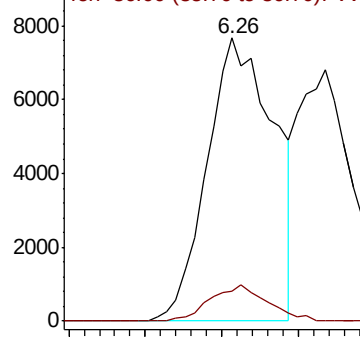
MMDadoda

12/26/2018 11:01:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 67.078 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

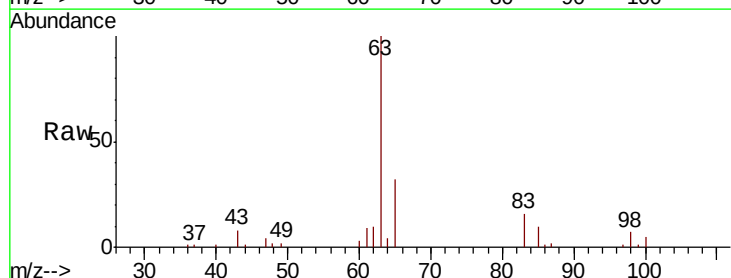
Tgt Ion: 63 Resp: 22059

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

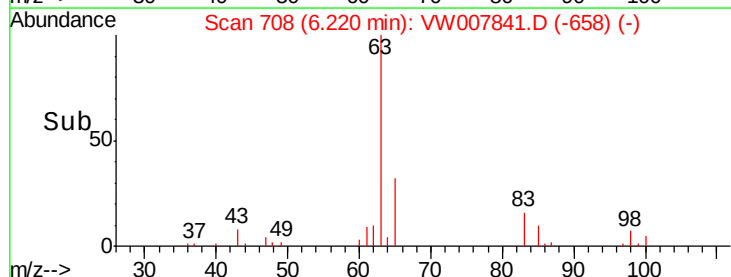
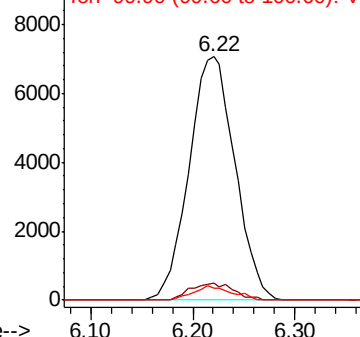
100 4.9 2.5 7.5

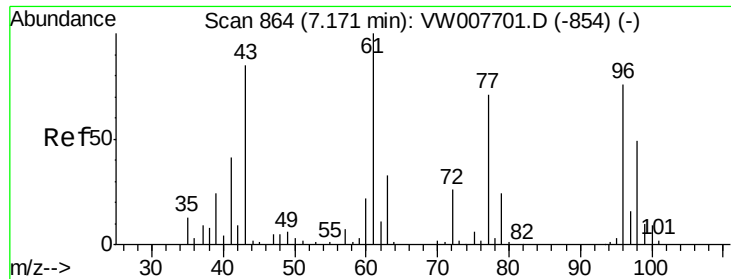


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





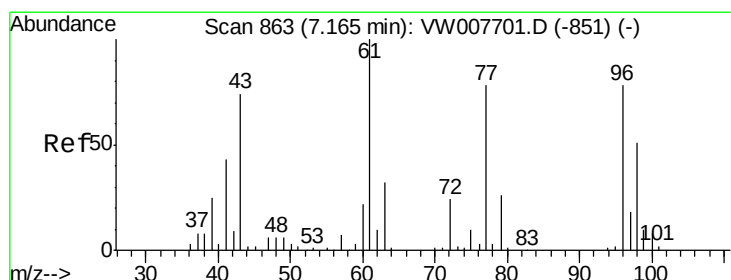
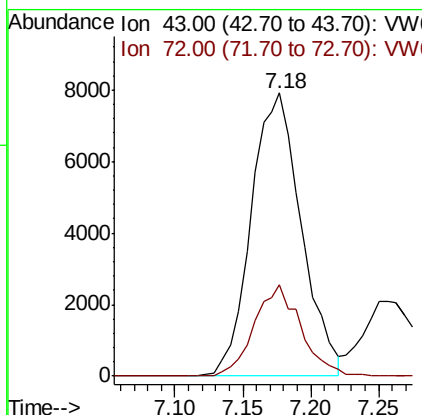
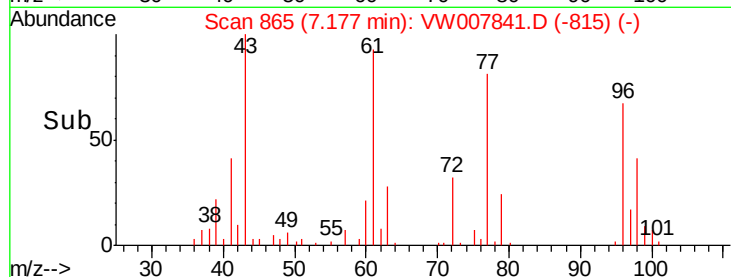
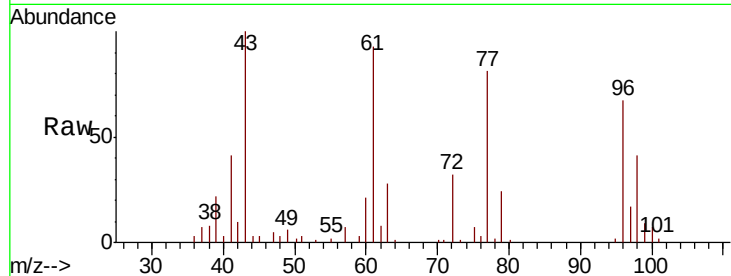
#25
2-Butanone
Concen: 459.749 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion: 43 Resp: 20394
Ion Ratio Lower Upper
43 100
72 32.3 24.5 36.7

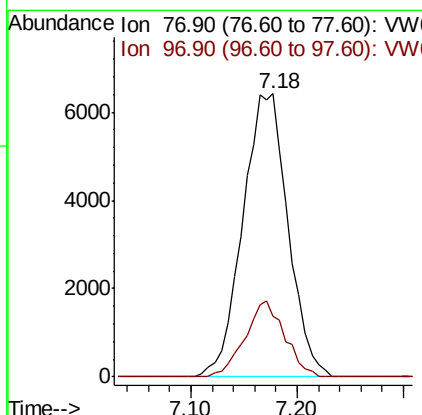
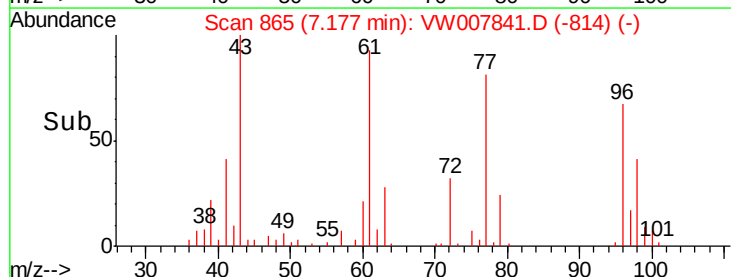
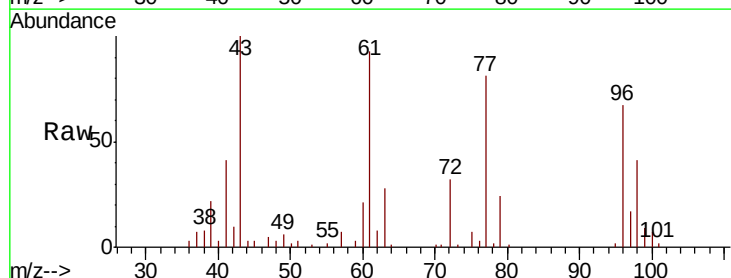
Manual Integrations
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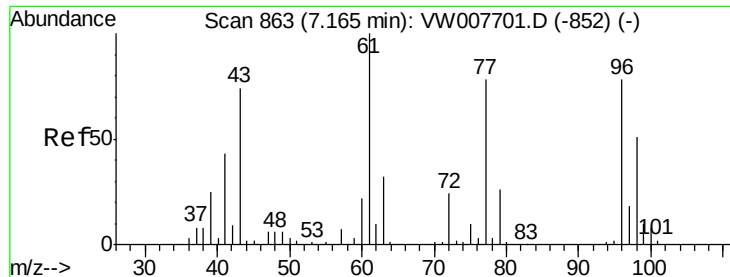
MMDadoda
12/26/2018 11:01:34 AM



#26
2,2-Dichloropropane
Concen: 79.416 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion: 77 Resp: 19111
Ion Ratio Lower Upper
77 100
97 23.5 11.3 33.9





#27

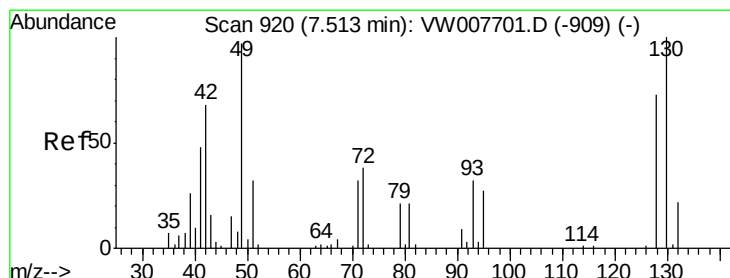
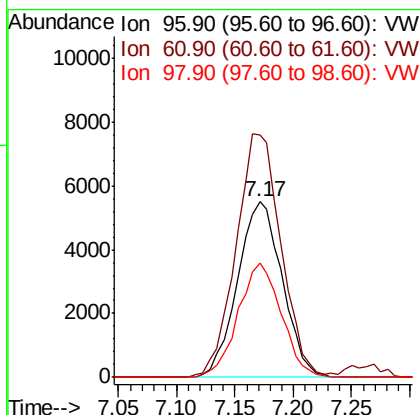
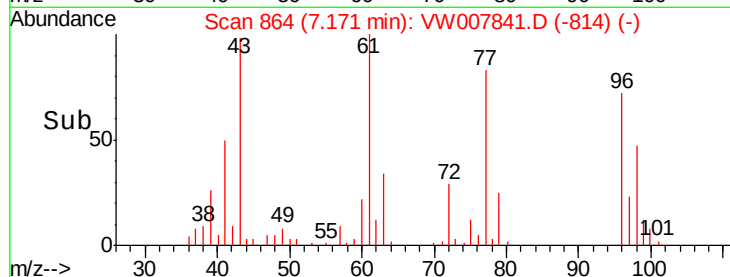
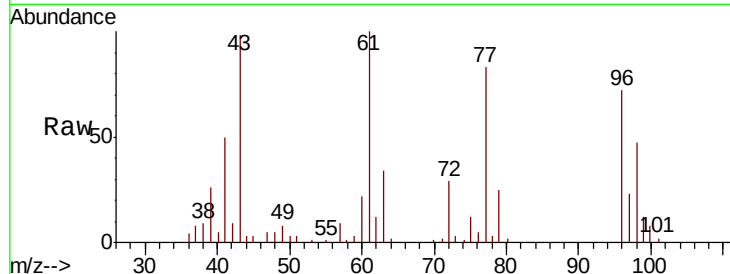
cis-1,2-Dichloroethene
Concen: 68.776 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	271.6
98	62.8	0.0	131.2

Manual Integrations
APPROVED

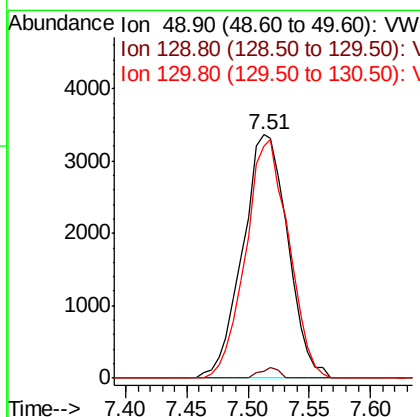
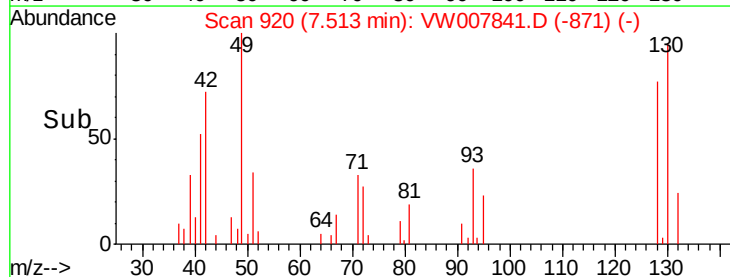
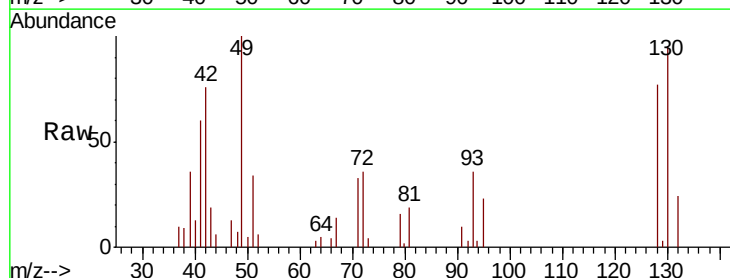
MMDadoda
12/26/2018 11:01:34 AM

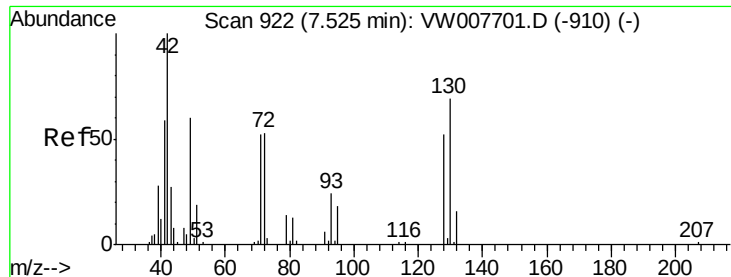


#28

Bromochloromethane
Concen: 76.816 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.2
130	93.5	81.5	122.3





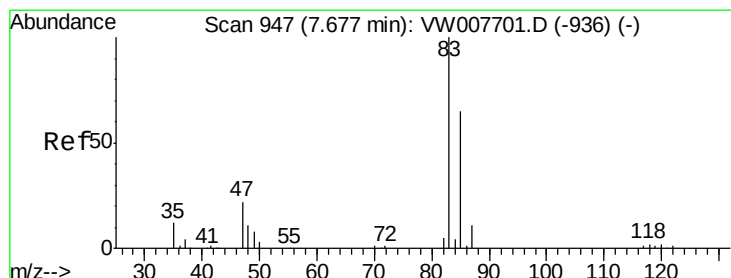
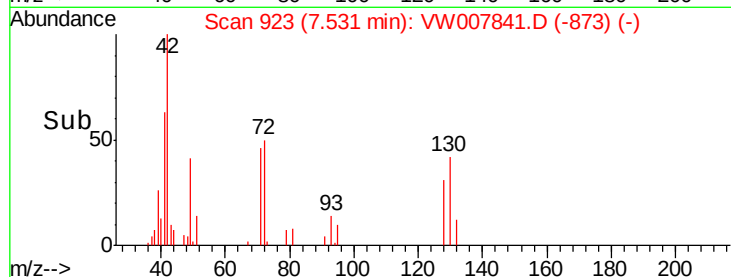
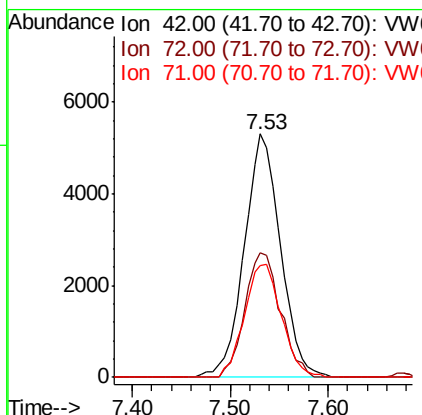
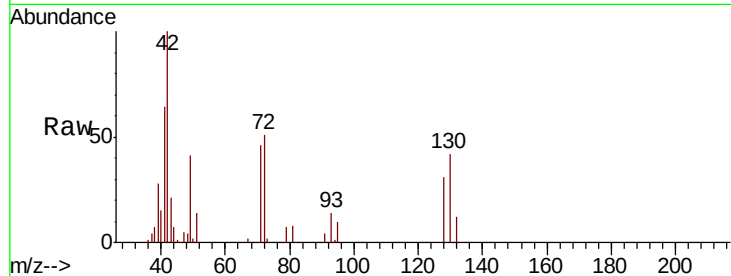
#29
Tetrahydrofuran
Concen: 514.146 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	41.7	62.5
71	47.4	39.0	58.6

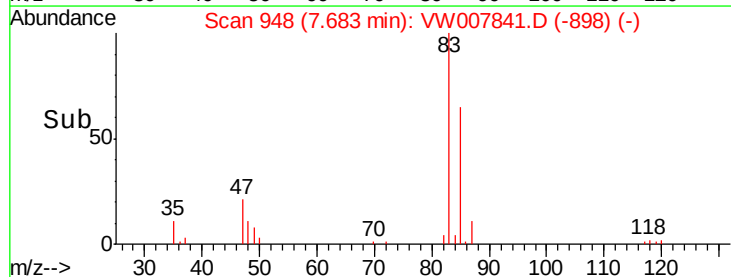
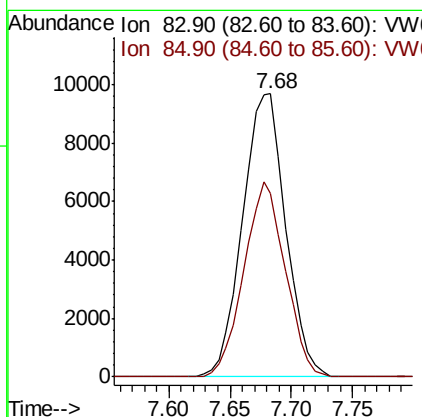
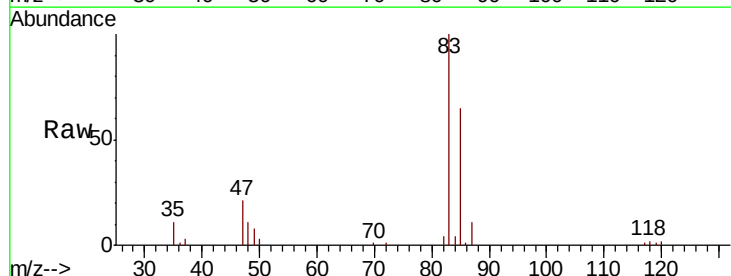
Manual Integrations
APPROVED

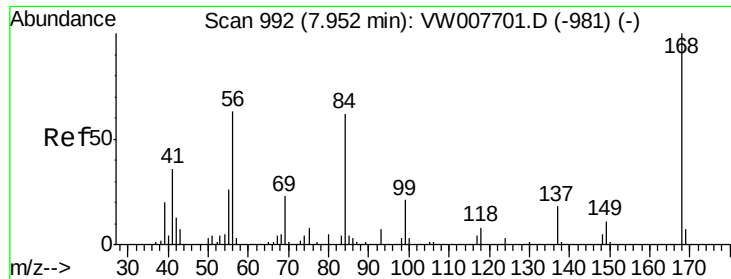
MMDadoda
12/26/2018 11:01:34 AM



#30
Chloroform
Concen: 63.789 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2





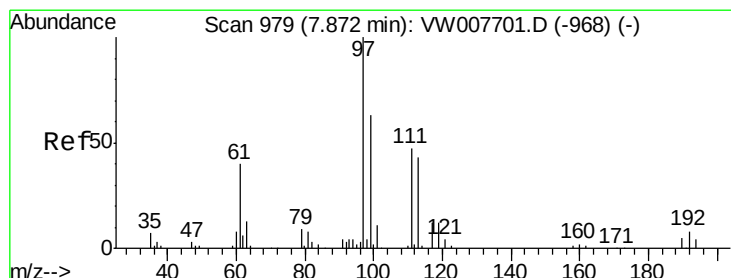
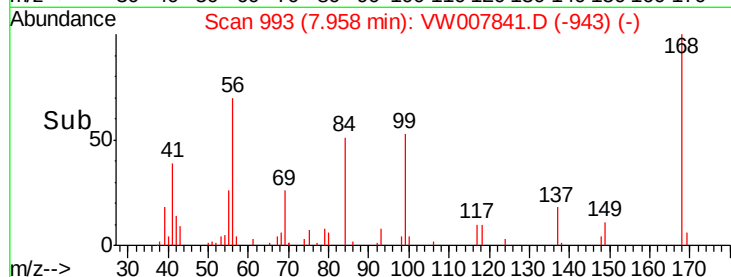
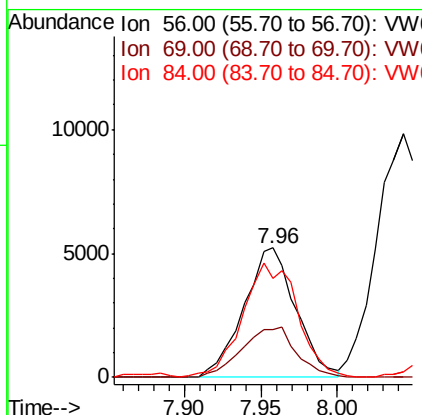
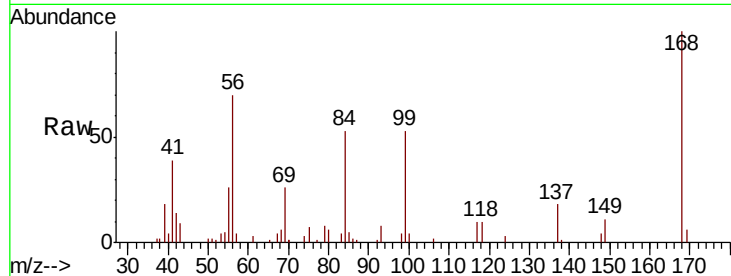
#31
Cyclohexane
Concen: 41.221 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	29.7	44.5
84	74.8	78.9	118.3

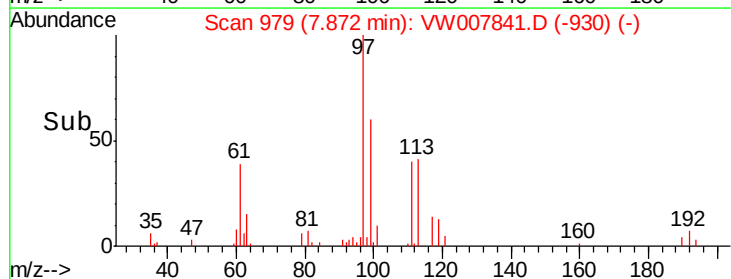
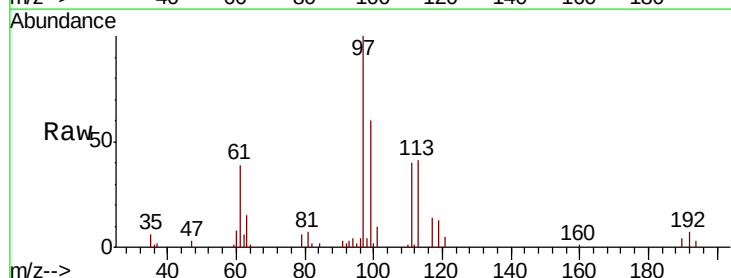
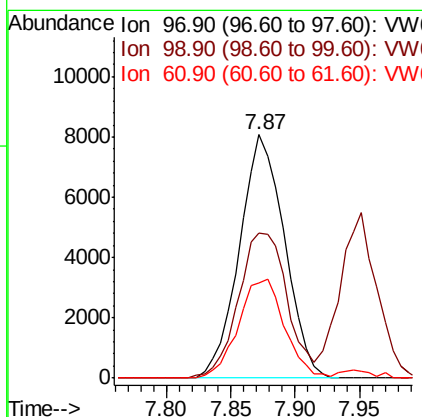
Manual Integrations
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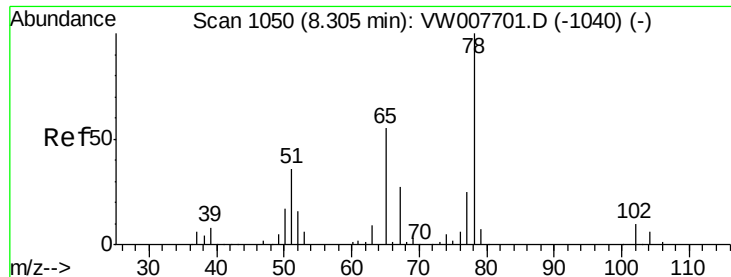
MMDadoda
12/26/2018 11:01:34 AM



#32
1,1,1-Trichloroethane
Concen: 57.705 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.6	76.0
61	41.7	32.3	48.5





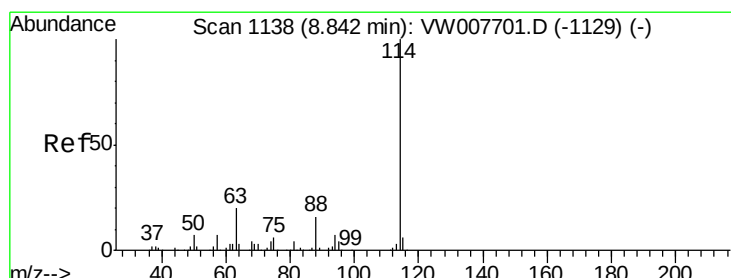
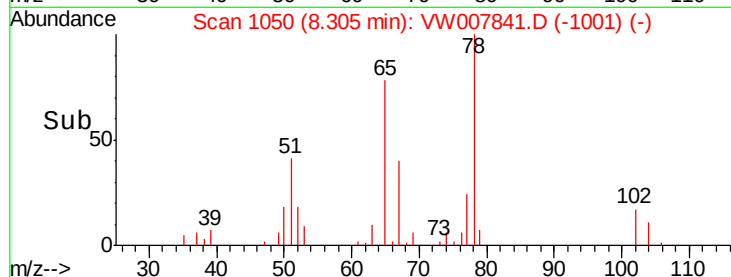
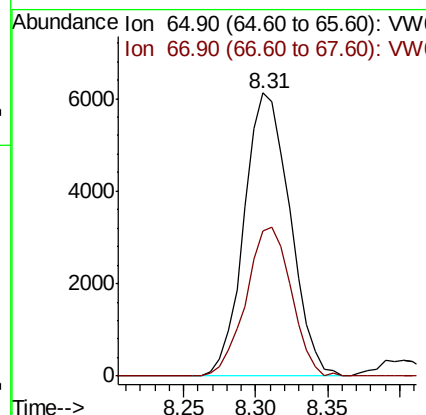
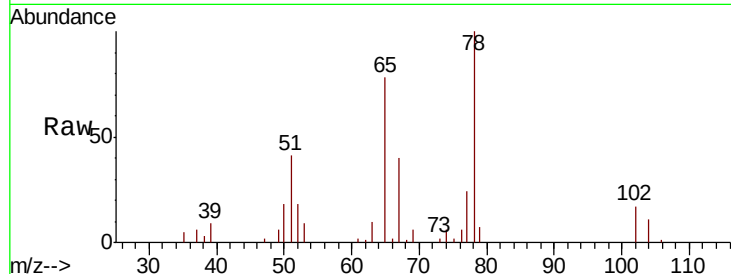
#33
 1,2-Dichloroethane-d4
 Concen: 66.732 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	13496		
67	51.6	0.0	100.6	

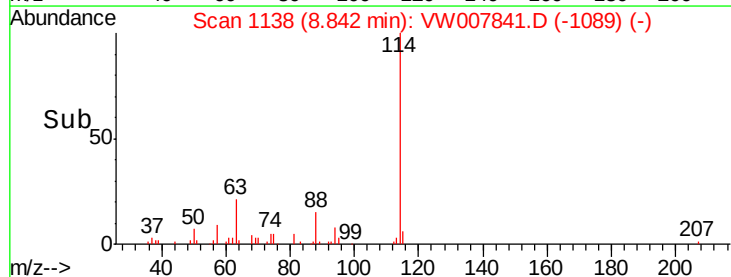
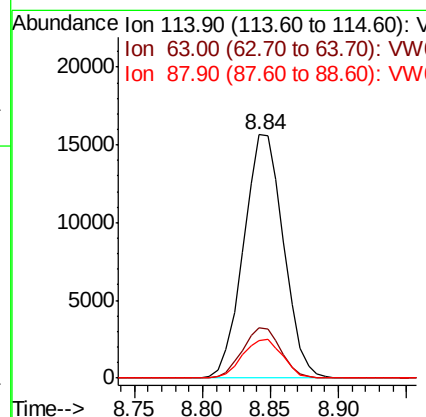
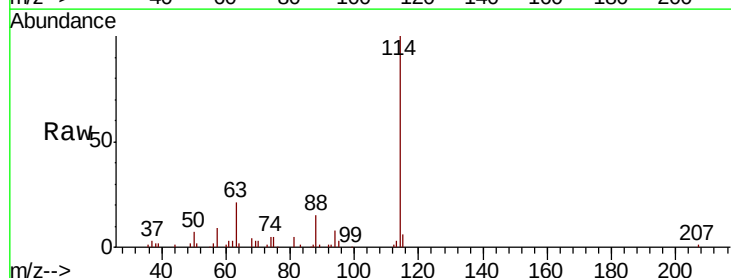
Manual Integrations
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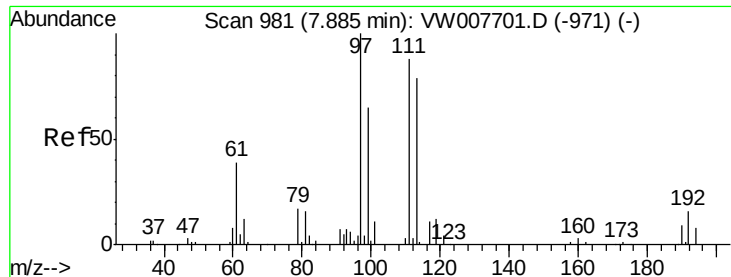
MMDadoda
 12/26/2018 11:01:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	32179		
63	20.9	0.0	40.0	
88	15.5	0.0	32.6	





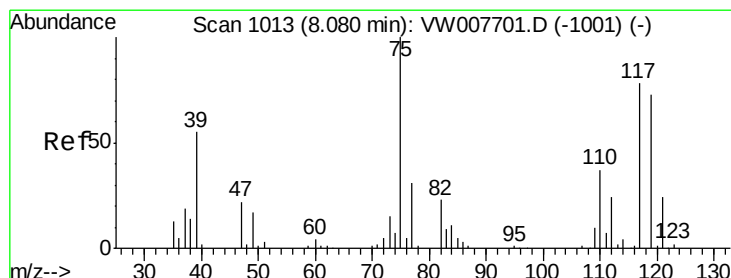
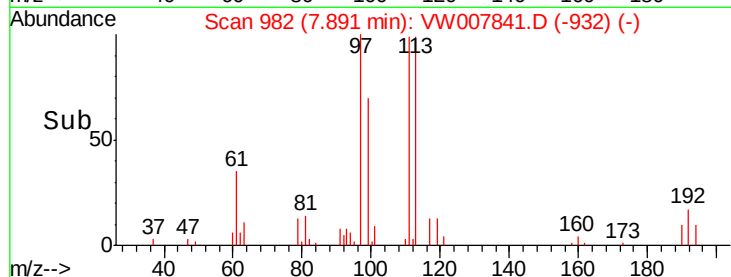
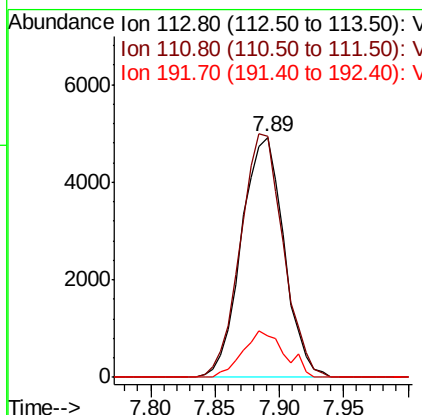
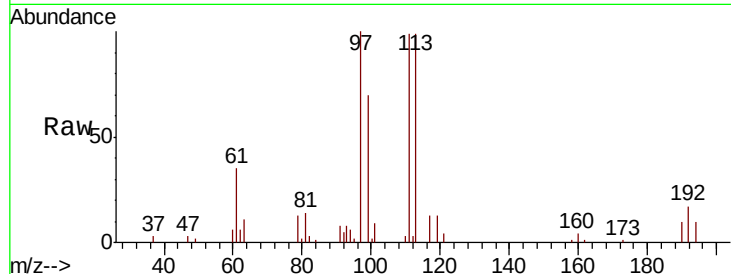
#35
 Dibromofluoromethane
 Concen: 57.298 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	124.0
192	19.1	15.5	23.3

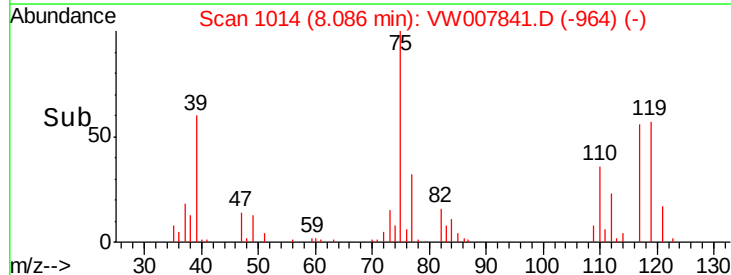
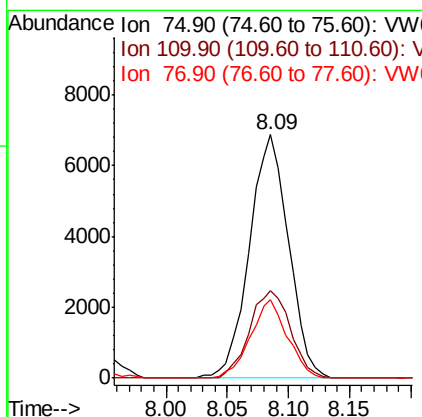
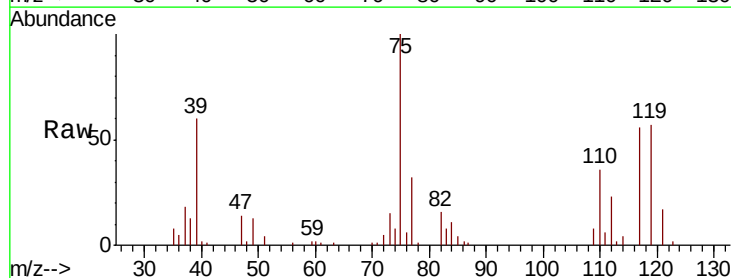
Manual Integrations
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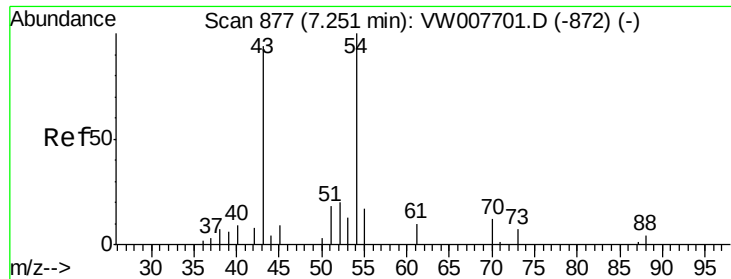
MMDadoda
 12/26/2018 11:01:34 AM



#36
 1,1-Dichloropropene
 Concen: 49.226 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.6	55.8
77	30.5	25.0	37.4





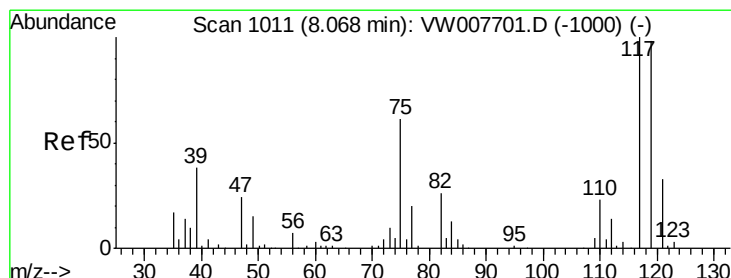
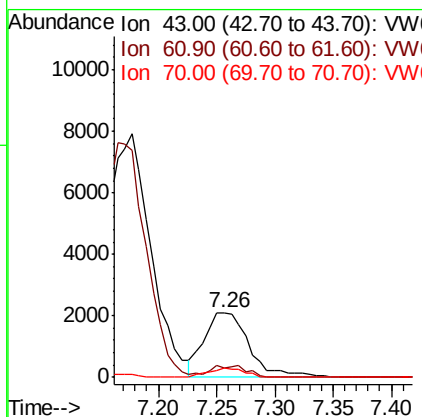
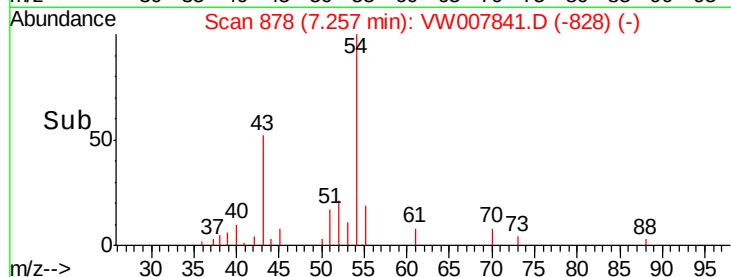
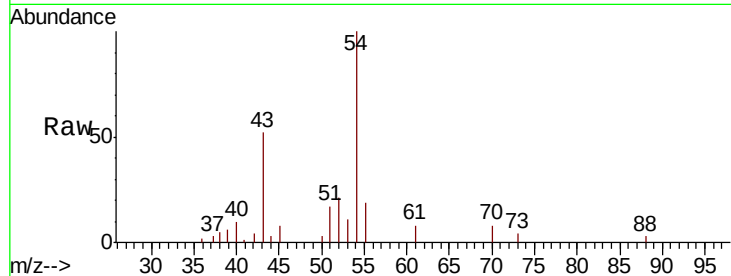
#37
Ethyl Acetate
Concen: 52.758 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion: 43 Resp: 5655
Ion Ratio Lower Upper
43 100
61 13.9 11.2 16.8
70 11.2 9.3 13.9

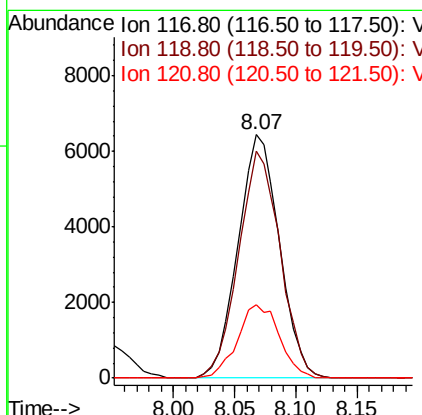
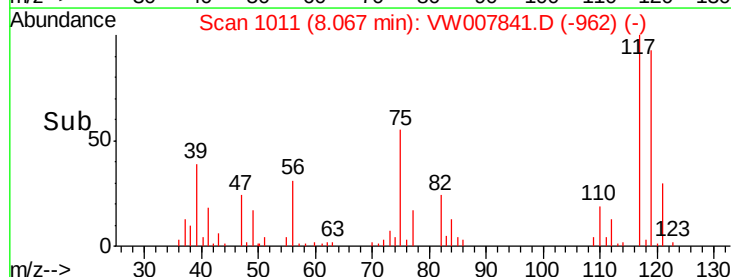
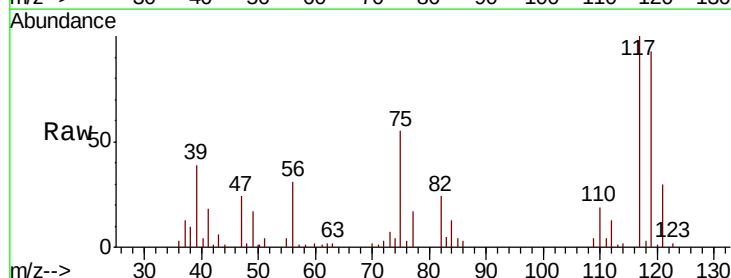
Manual Integrations
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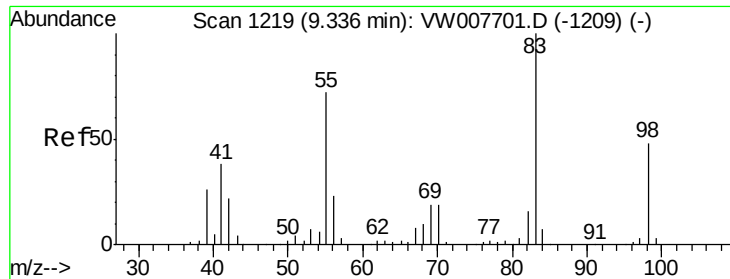
MMDadoda
12/26/2018 11:01:34 AM



#38
Carbon Tetrachloride
Concen: 41.411 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion: 117 Resp: 15147
Ion Ratio Lower Upper
117 100
119 93.4 78.2 117.2
121 30.2 26.1 39.1





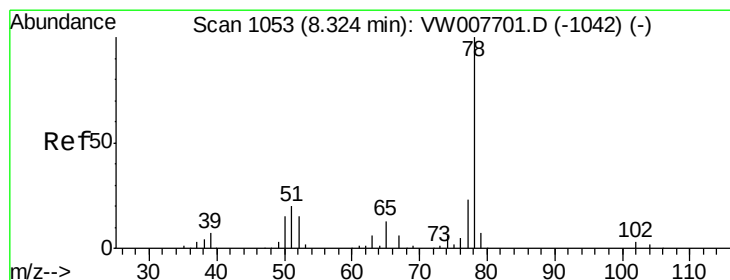
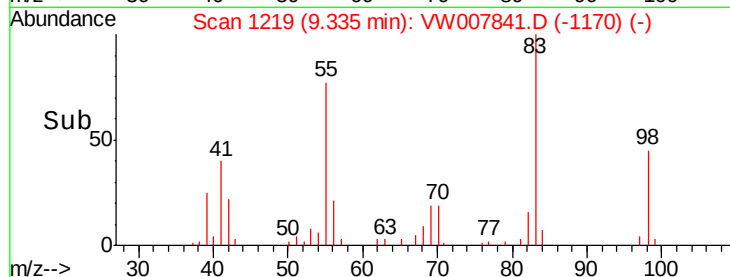
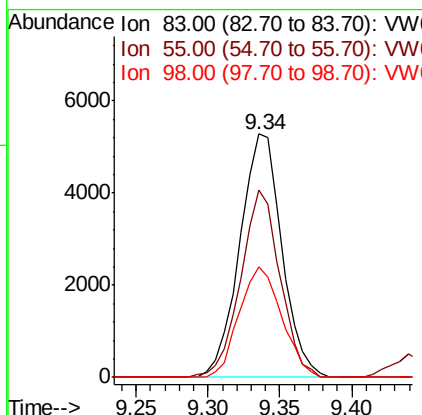
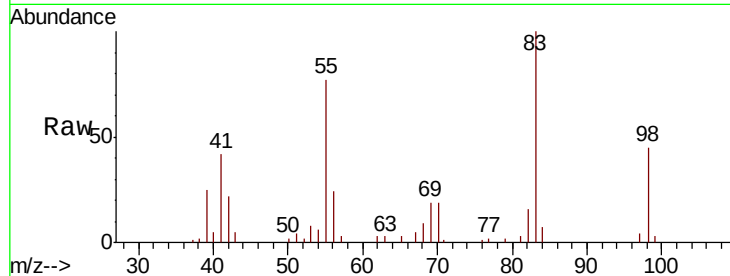
#39
Methylvlcyclohexane
Concen: 27.629 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	57.2	85.8
98	45.4	38.6	58.0

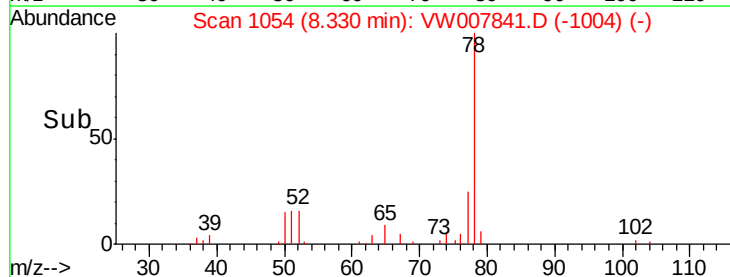
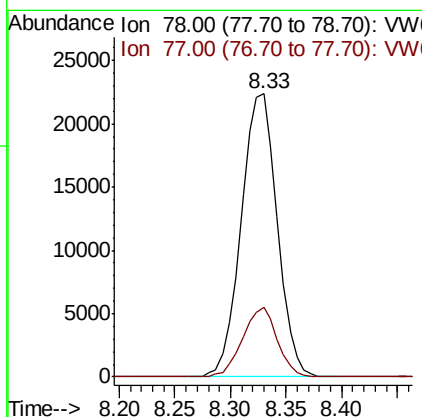
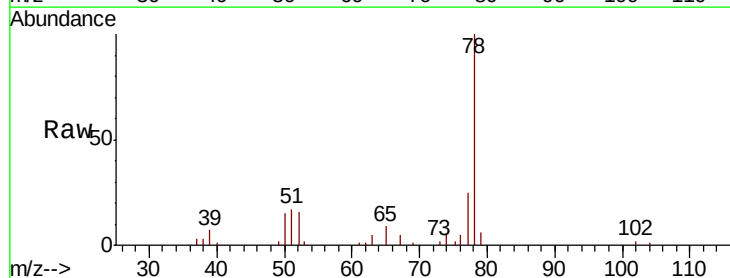
Manual Integrations
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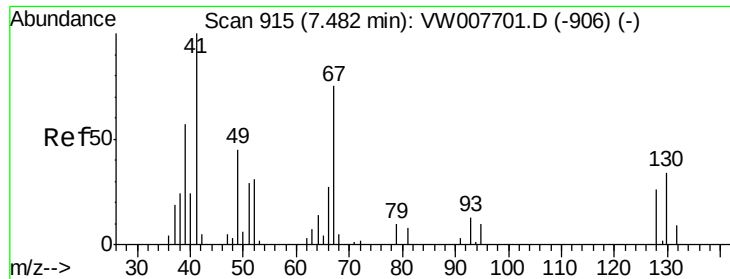
MMDadoda
12/26/2018 11:01:34 AM



#40
Benzene
Concen: 60.690 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.7	28.1





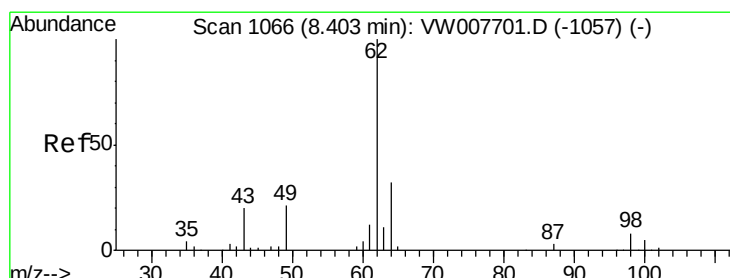
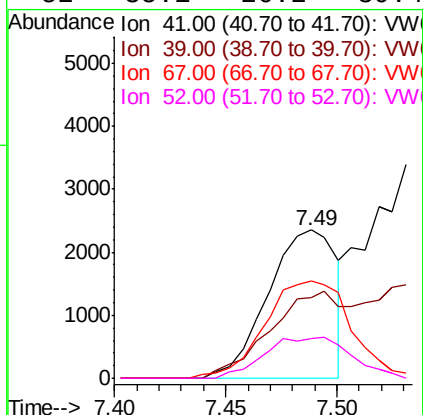
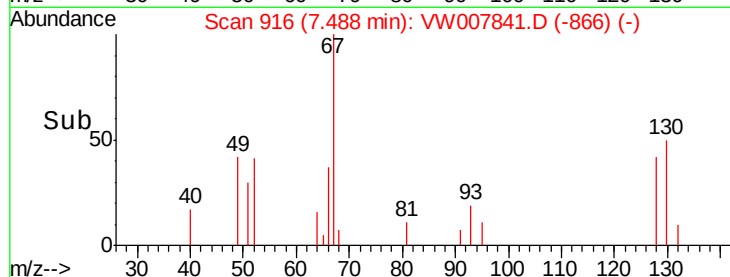
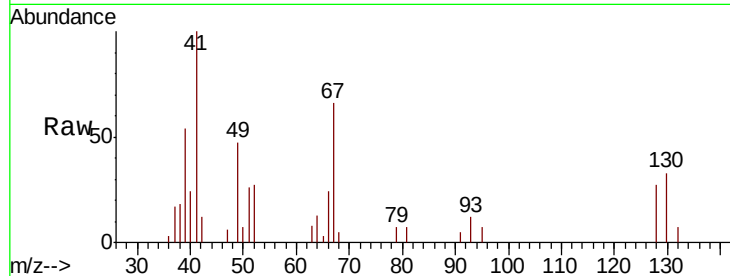
#41
Methacrylonitrile
Concen: 82.737 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	41	Resp	5035
Ion	Ratio	Lower	Upper
41	100		
39	66.3	54.2	81.4
67	81.7	65.7	98.5
52	35.1	26.2	39.4

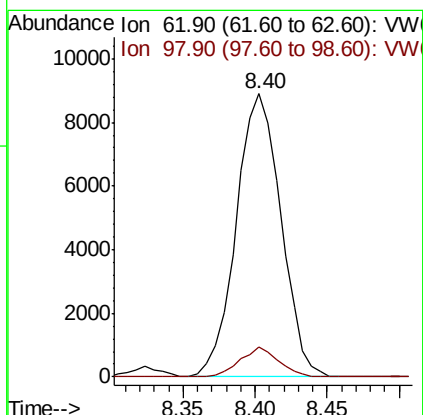
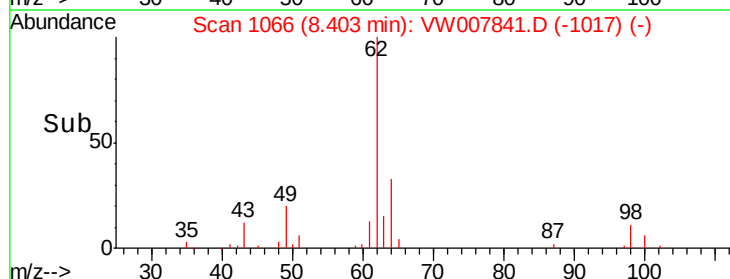
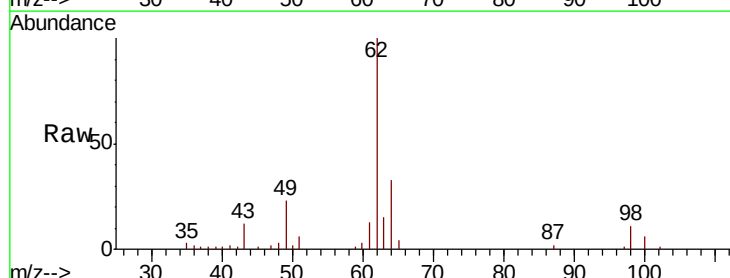
Manual Integrations
APPROVED

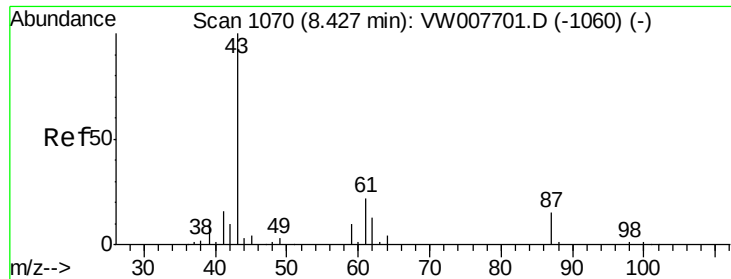
MMDadoda
12/26/2018 11:01:34 AM



#42
1,2-Dichloroethane
Concen: 69.006 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	62	Resp	19166
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 60.775 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

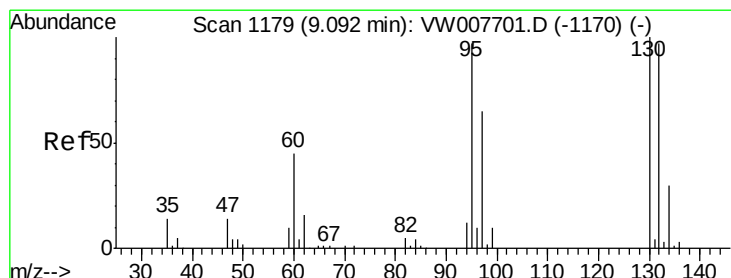
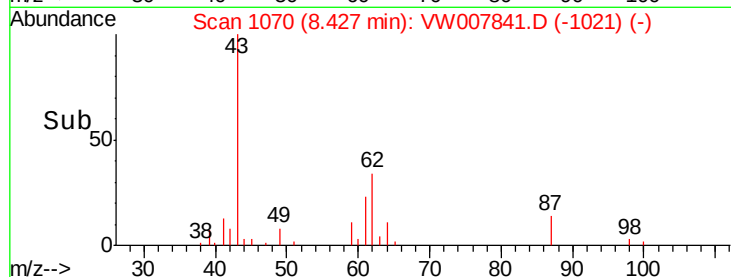
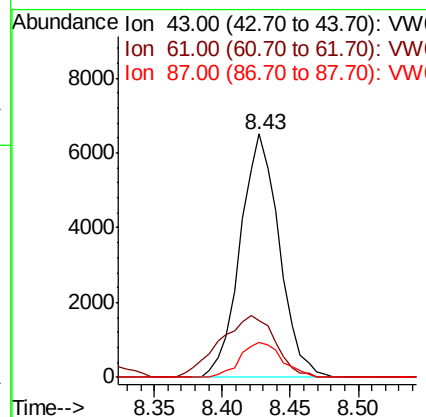
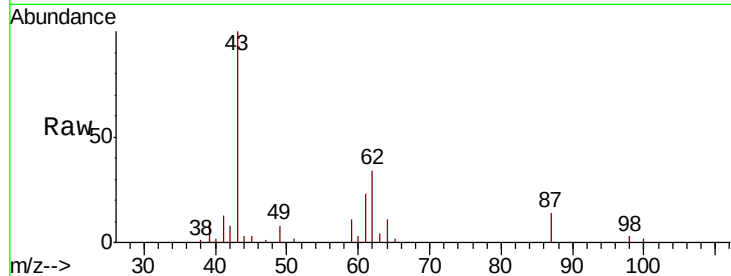
ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion:	43	Resp:	13051
Ion	Ratio	Lower	Upper
43	100		
61	35.9	26.3	39.5
87	15.4	12.0	18.0

Manual Integrations
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12/26/2018 11:01:34 AM



#44

Trichloroethene

Concen: 51.213 ug/l

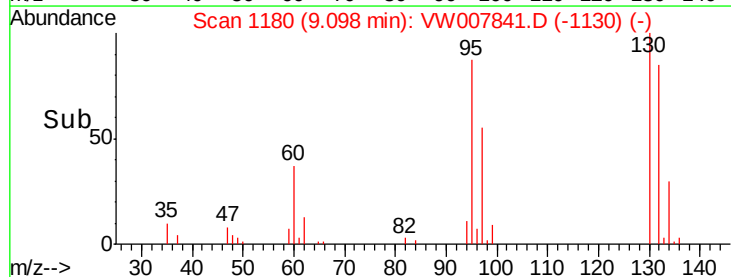
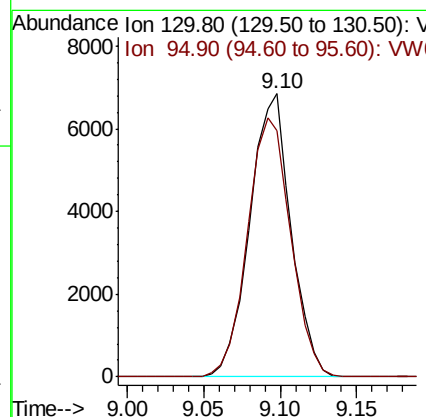
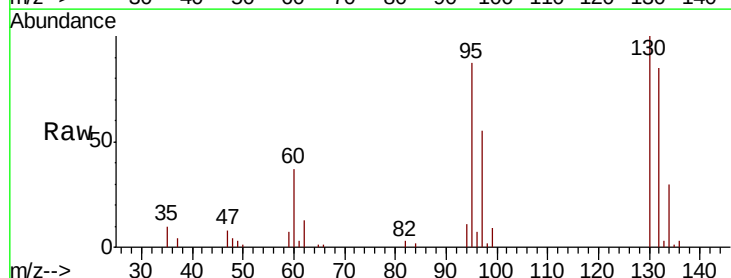
RT: 9.10 min Scan# 1180

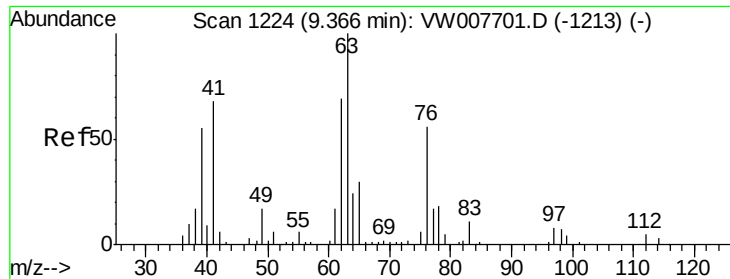
Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Tgt Ion:	130	Resp:	12836
Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	194.8





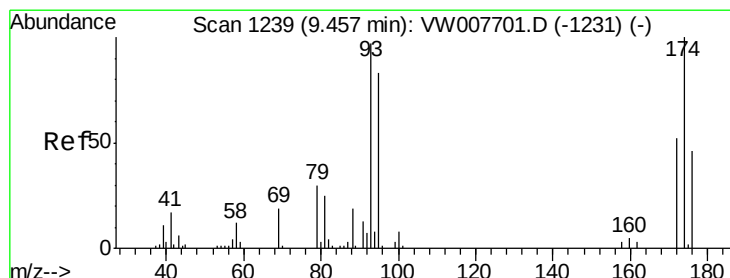
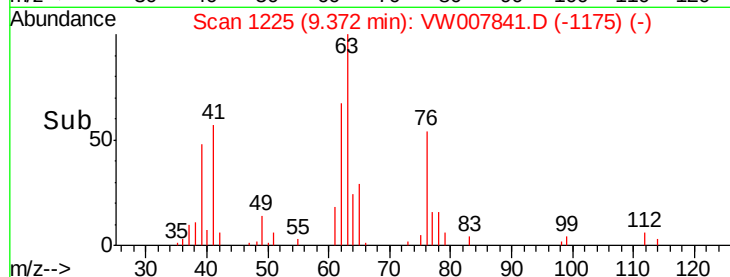
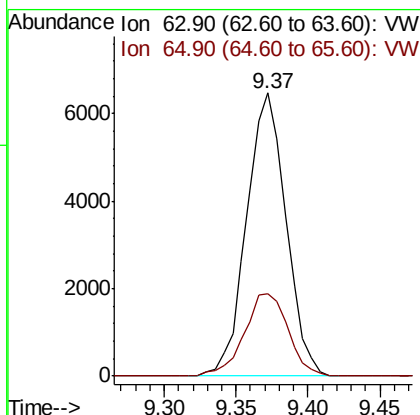
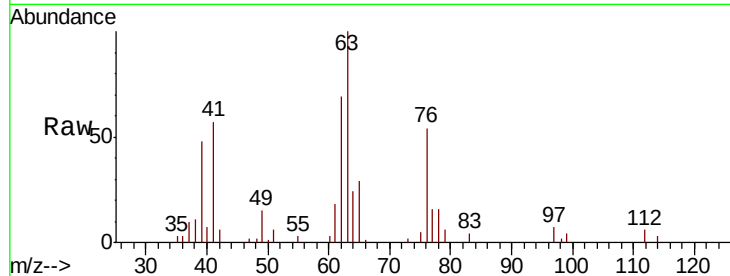
#45
 1,2-Dichloropropane
 Concen: 66.580 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.1	23.8	35.8

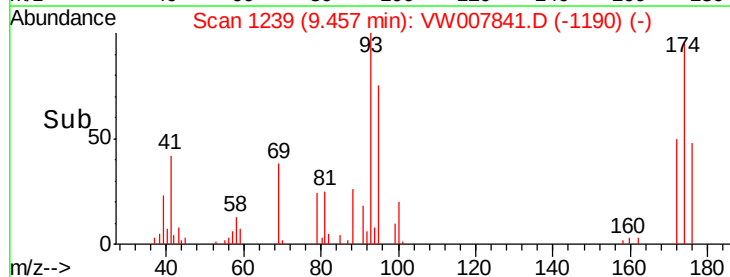
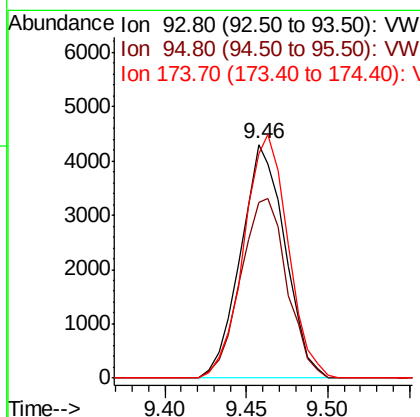
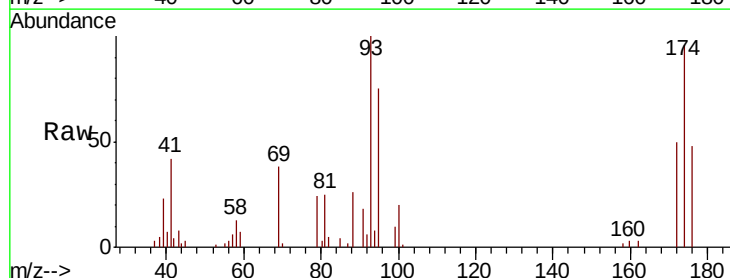
Manual Integrations
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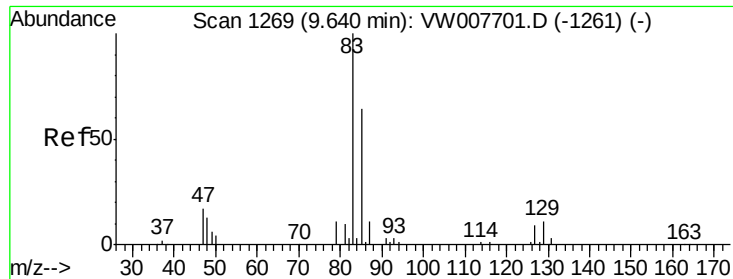
MMDadoda
 12/26/2018 11:01:34 AM



#46
 Dibromomethane
 Concen: 71.932 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.4	67.5	101.3
174	103.8	83.9	125.9





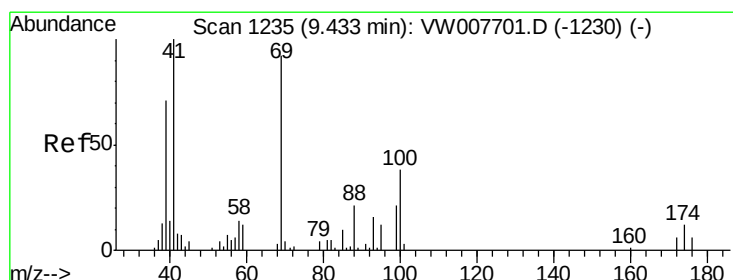
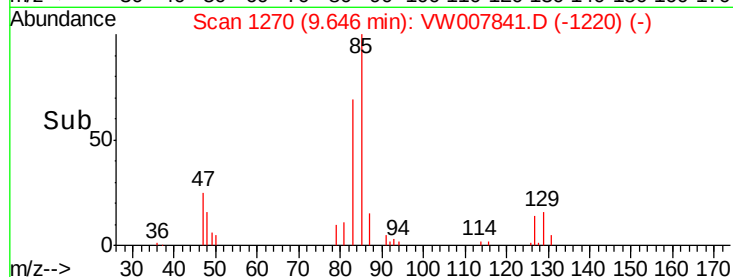
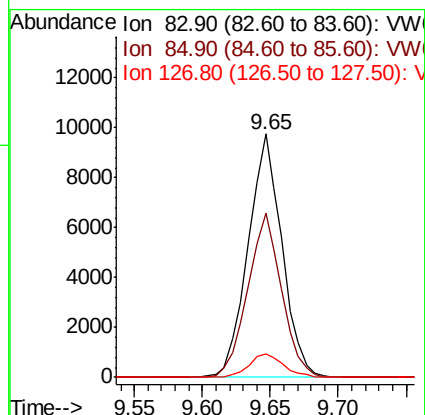
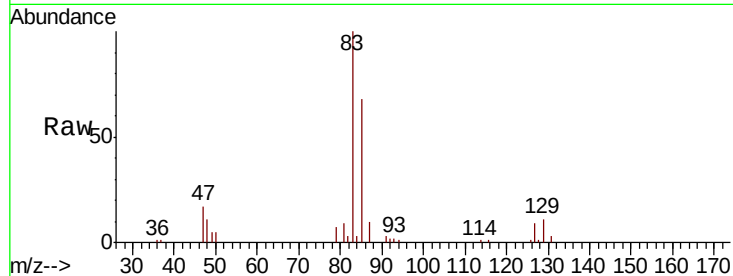
#47
Bromodichloromethane
Concen: 57.002 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	16964		
85	67.5	51.4	77.0	
127	9.4	7.5	11.3	

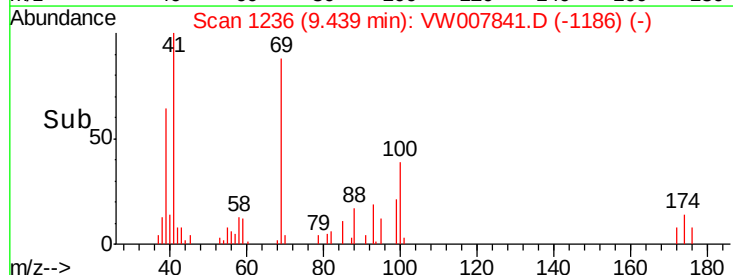
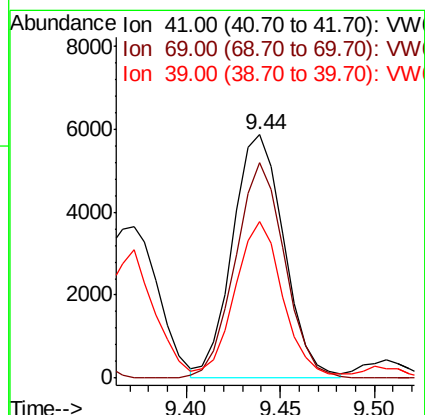
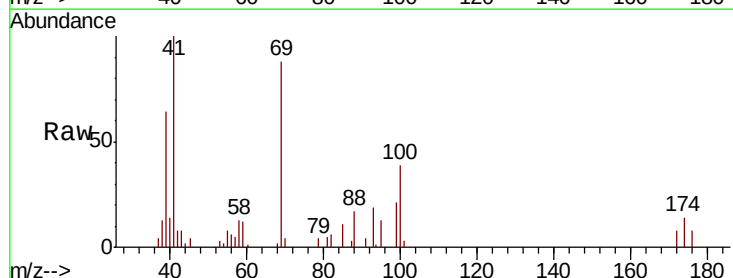
Manual Integrations
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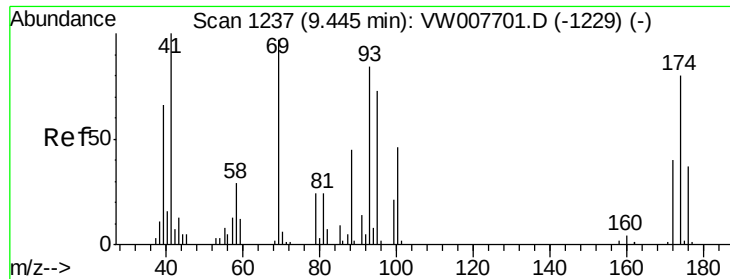
MMDadoda
12/26/2018 11:01:34 AM



#48
Methyl methacrylate
Concen: 103.740 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	11120		
69	84.8	74.2	111.2	
39	60.7	53.9	80.9	





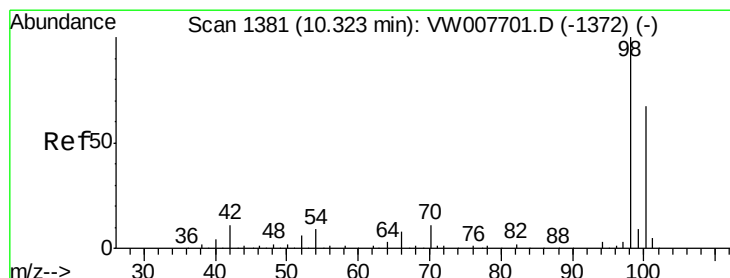
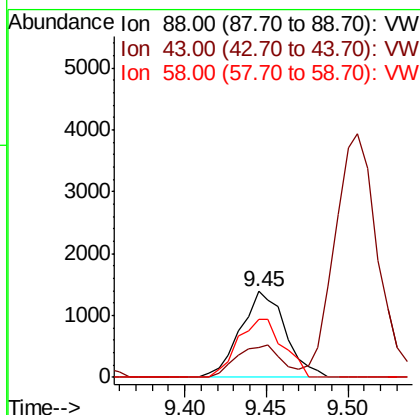
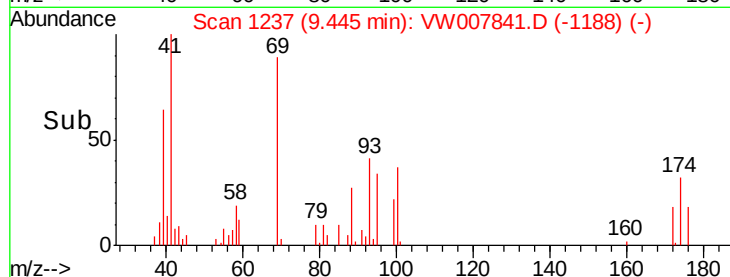
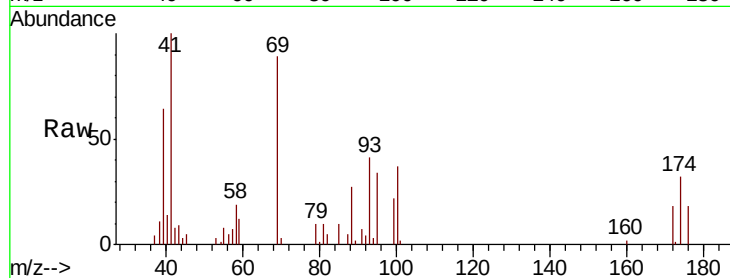
#49
1,4-Dioxane
Concen: 1480.943 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	25.6	38.4
58	68.5	52.3	78.5

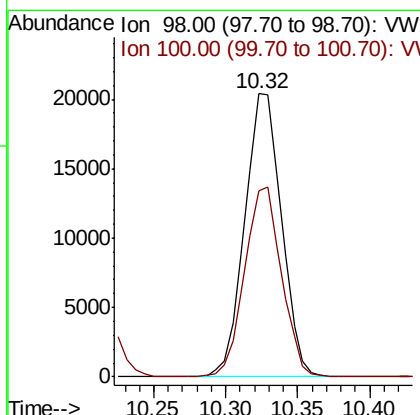
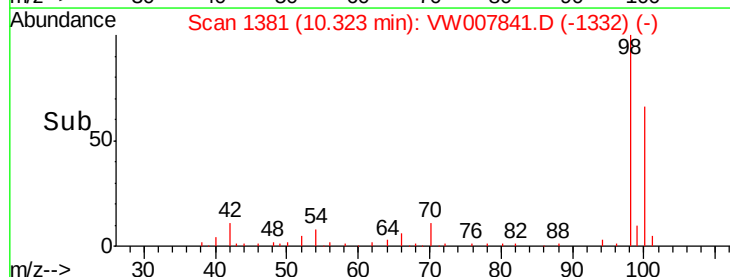
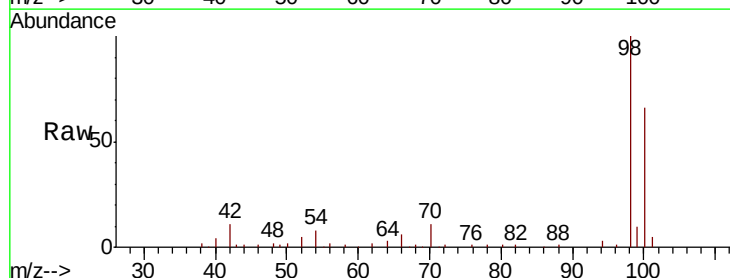
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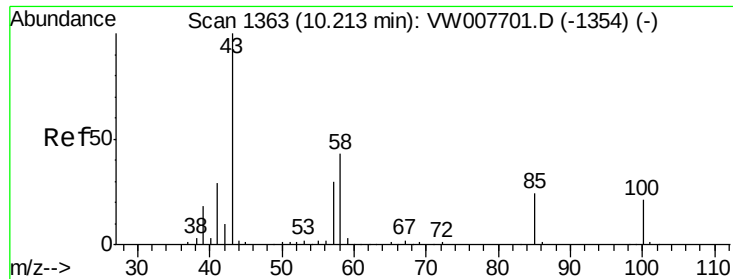
MMDadoda
12/26/2018 11:01:34 AM



#50
Toluene-d8
Concen: 48.715 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.2	78.2





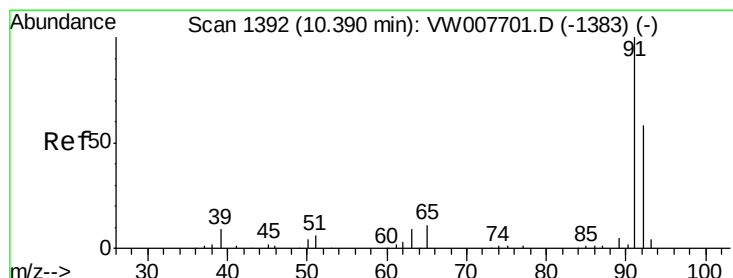
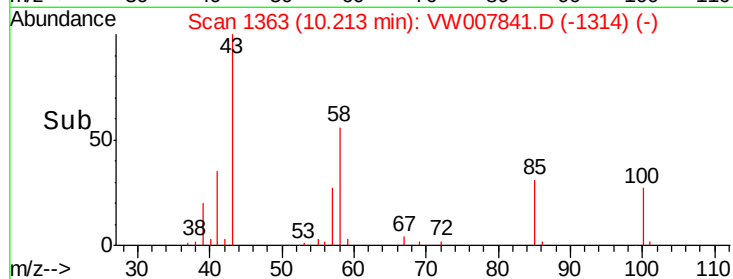
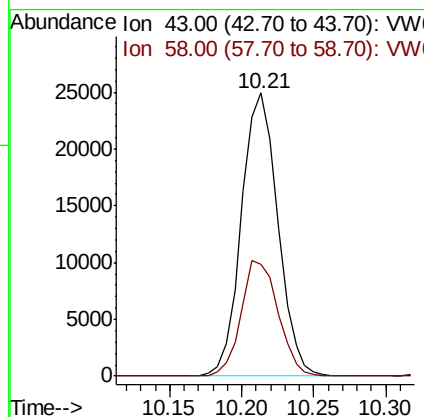
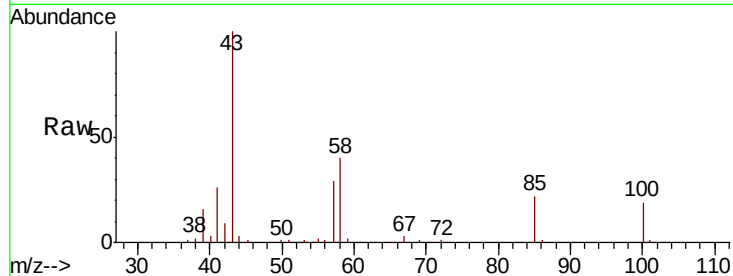
#51
4-Methyl-2-Pentanone
Concen: 431.786 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.4	33.2	49.8

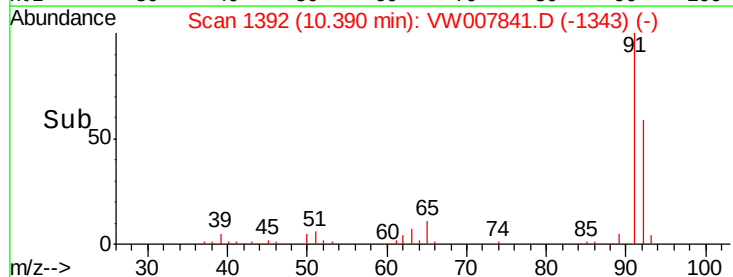
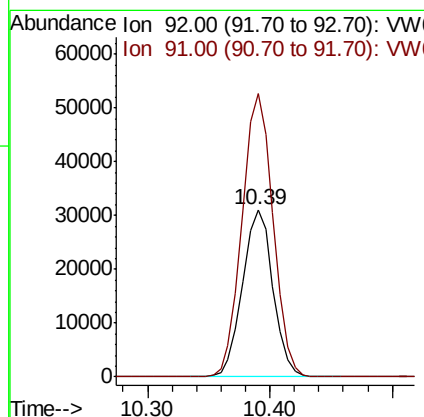
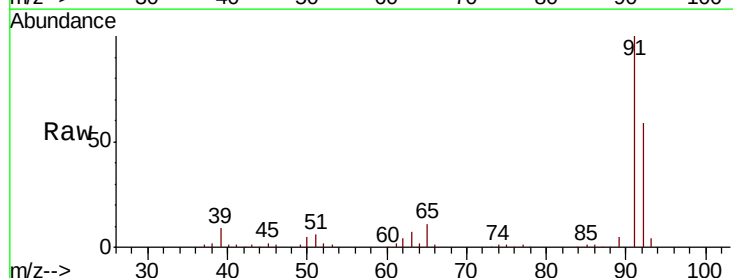
Manual Integrations
APPROVED

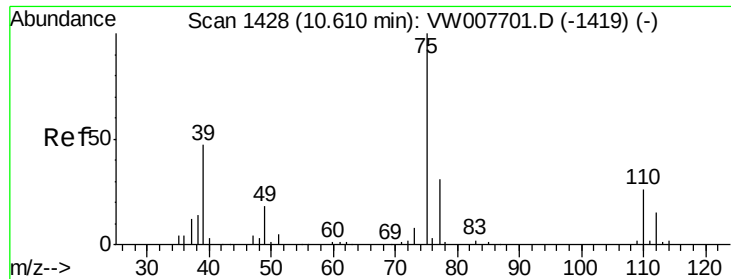
MMDadoda
12/26/2018 11:01:34 AM



#52
Toluene
Concen: 96.604 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.0	205.4





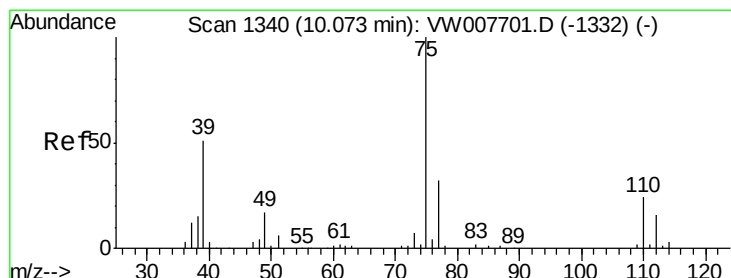
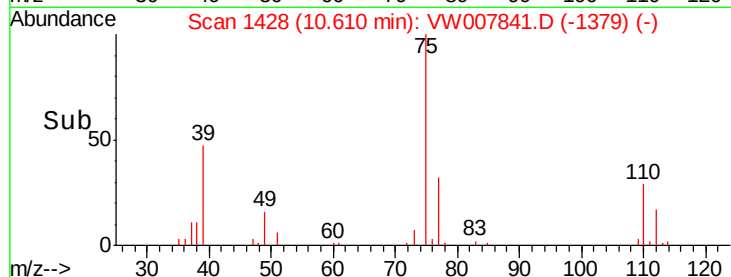
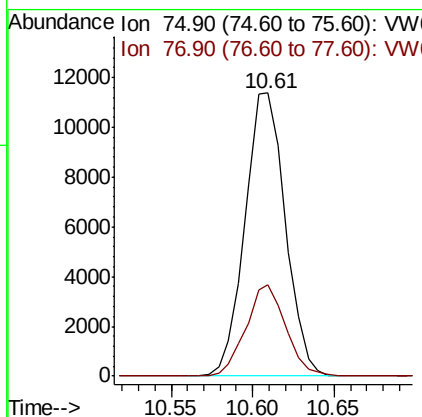
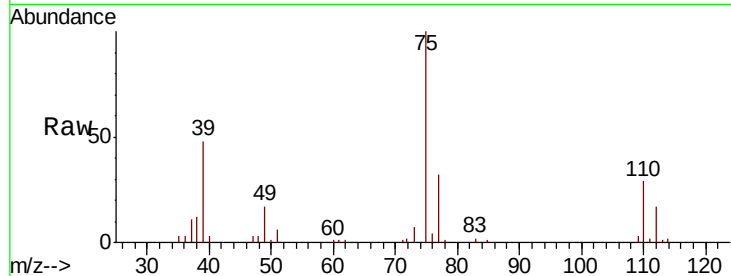
#53
 t-1,3-Dichloropropene
 Concen: 66.074 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Tot Ion: 75 Resp: 19559
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8

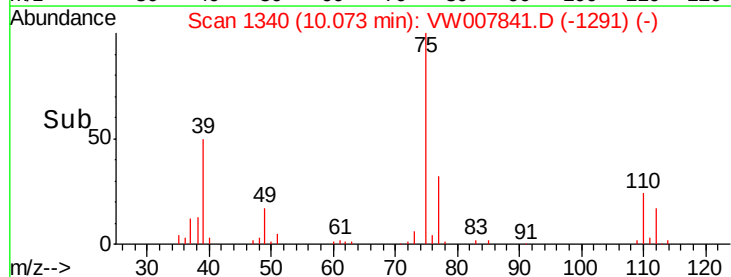
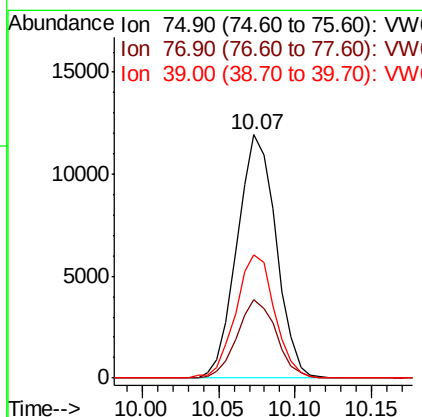
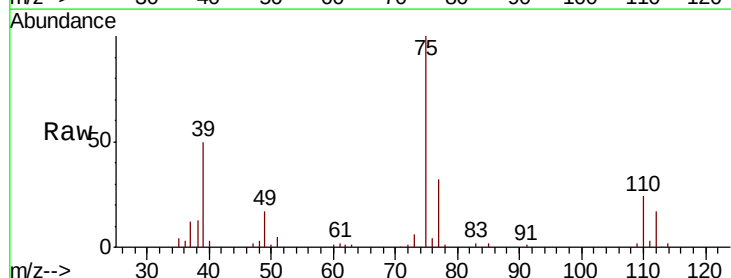
Manual Integrations
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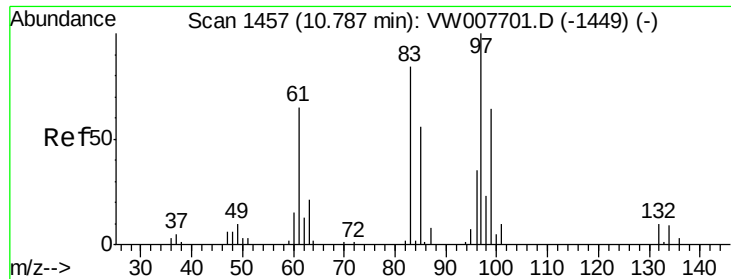
MMDadoda
 12/26/2018 11:01:34 AM



#54
 cis-1,3-Dichloropropene
 Concen: 64.724 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Tgt Ion: 75 Resp: 21163
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3
 39 50.4 41.2 61.8





#55

1,1,2-Trichloroethane

Concen: 71.202 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

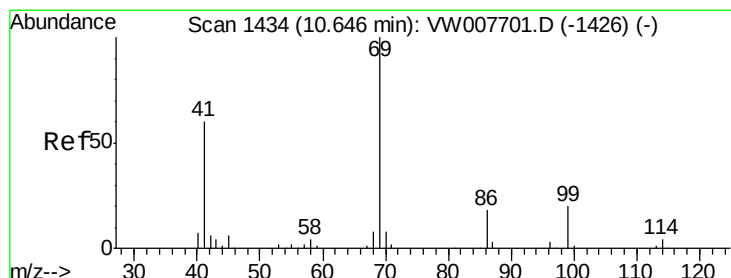
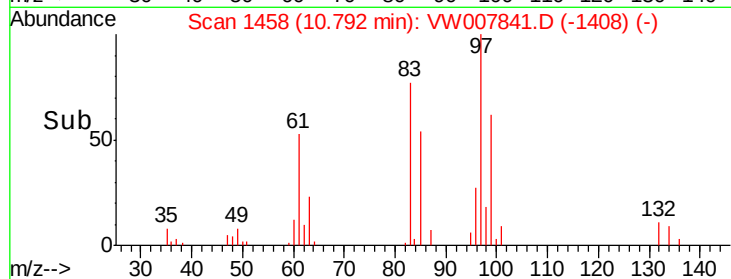
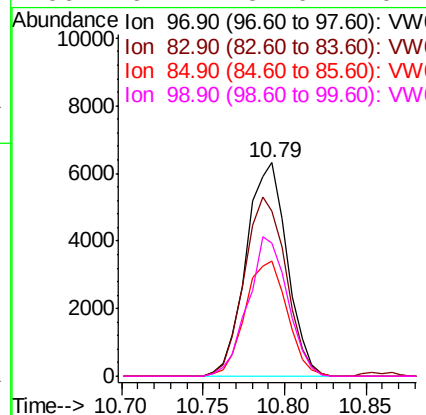
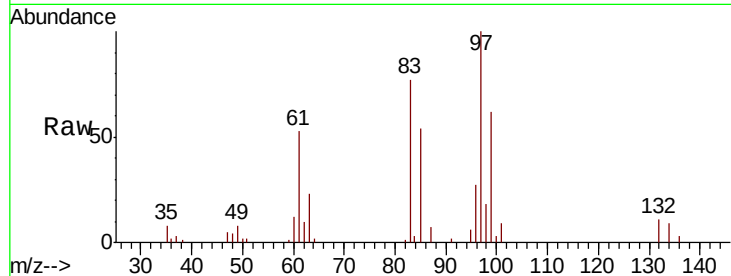
ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion:	97	Resp:	11112
Ion	Ratio	Lower	Upper
97	100		
83	77.2	67.5	101.3
85	53.9	44.8	67.2
99	62.2	51.0	76.4

Manual Integrations
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MMDadoda
12/26/2018 11:01:34 AM



#56

Ethyl methacrylate

Concen: 51.755 ug/l

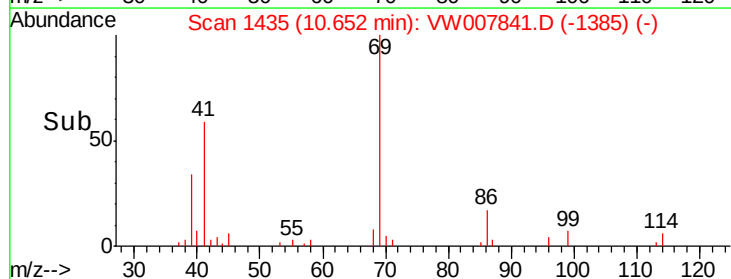
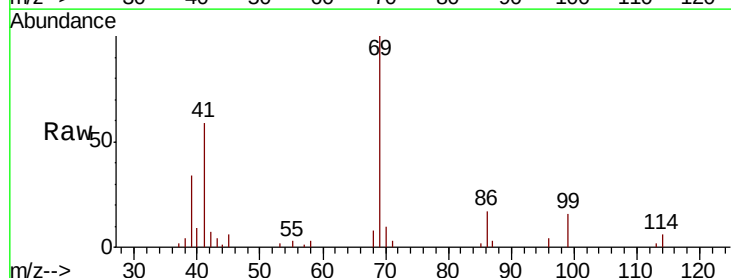
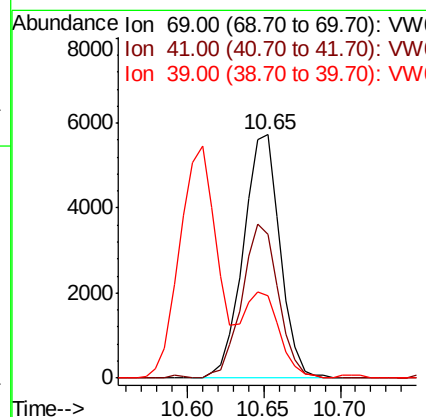
RT: 10.65 min Scan# 1435

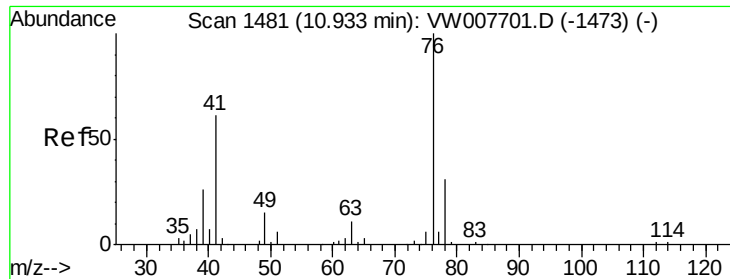
Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Tgt Ion:	69	Resp:	9543
Ion	Ratio	Lower	Upper
69	100		
41	63.0	48.9	73.3
39	31.2	31.3	46.9#





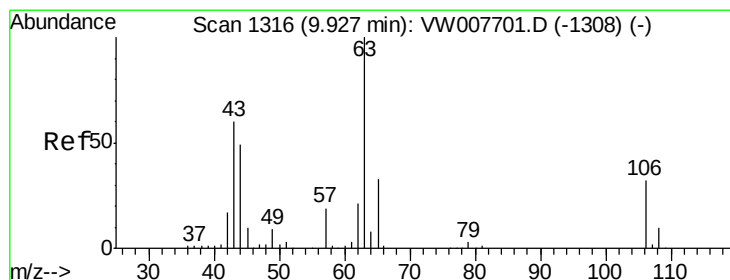
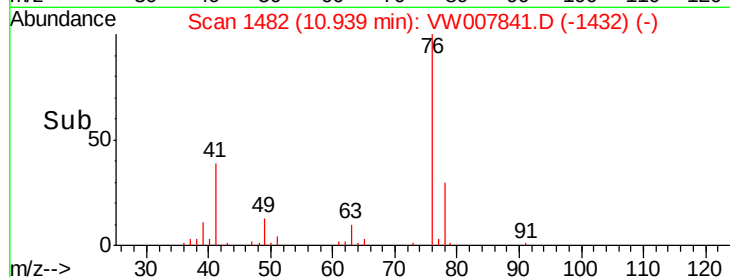
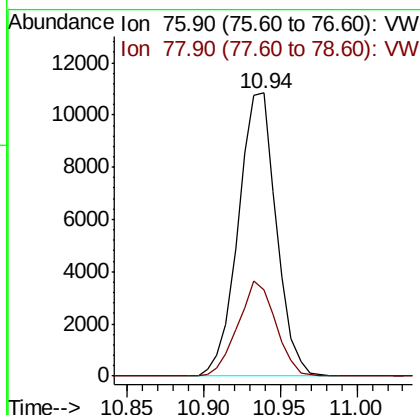
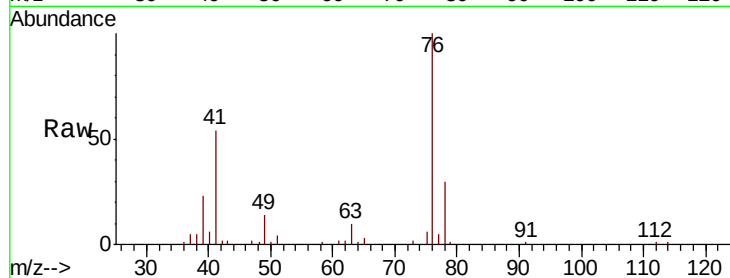
#57
 1,3-Dichloropropane
 Concen: 72.186 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Tot Ion: 76 Resp: 18707
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.2 39.2

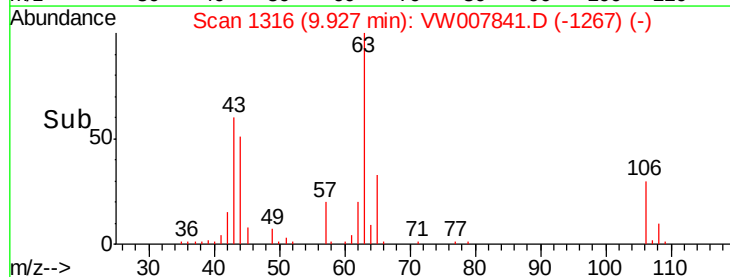
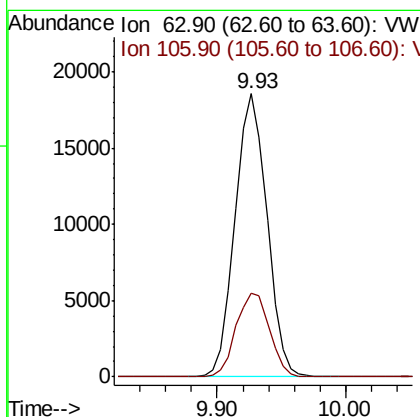
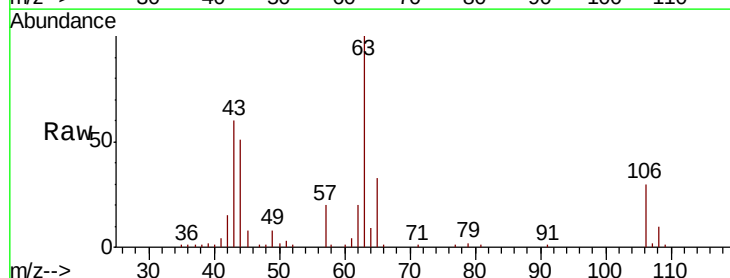
Manual Integrations
 APPROVED

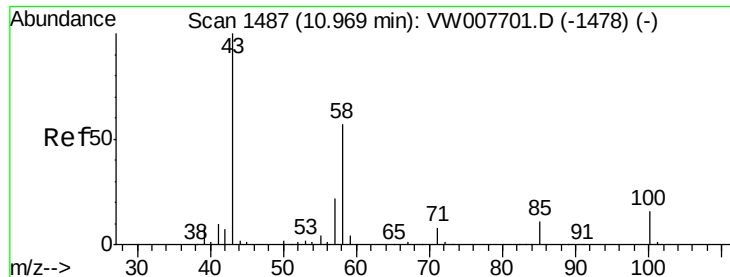
MMDadoda
 12/26/2018 11:01:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 379.704 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Tgt Ion: 63 Resp: 31966
 Ion Ratio Lower Upper
 63 100
 106 30.9 25.9 38.9





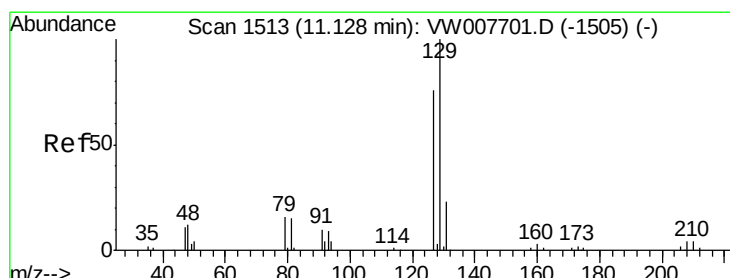
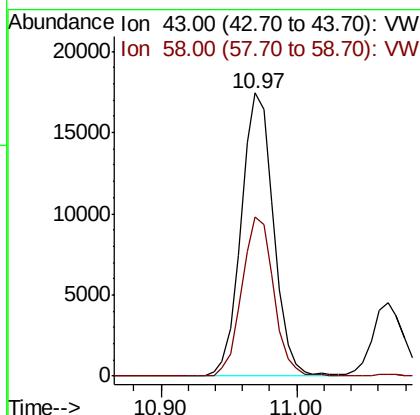
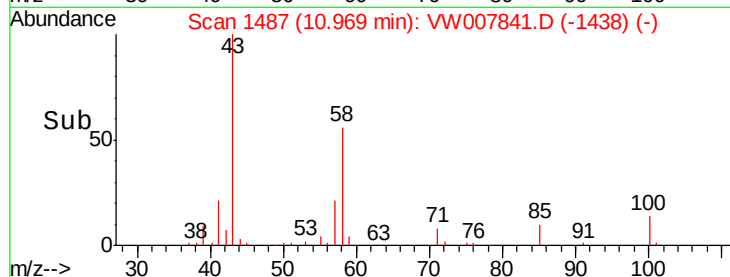
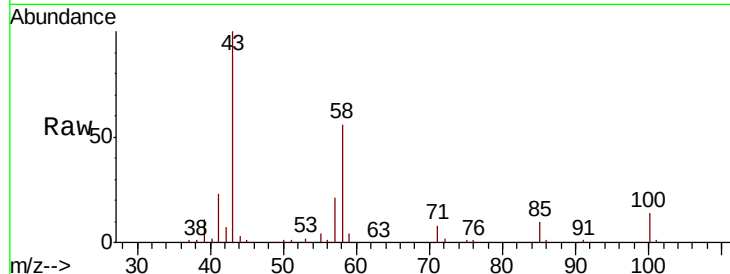
#59
2-Hexanone
Concen: 405.950 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion: 43 Resp: 28974
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.1

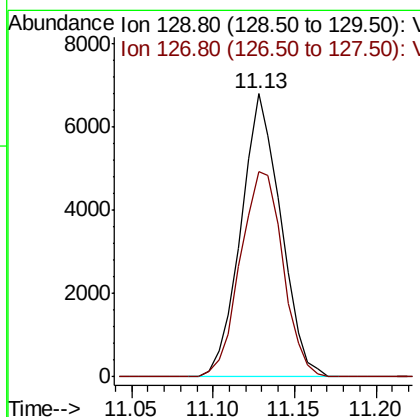
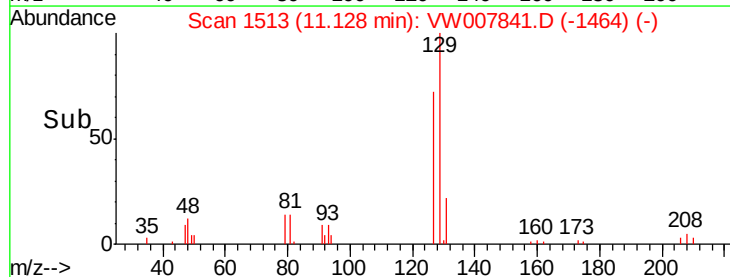
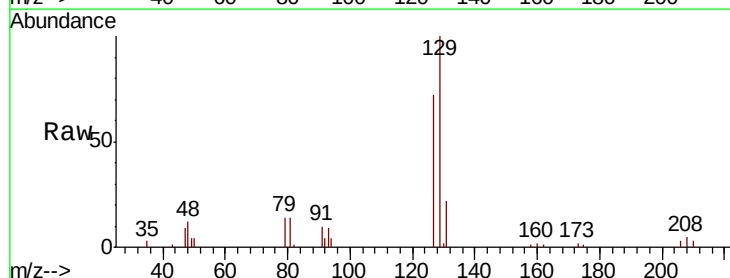
Manual Integrations
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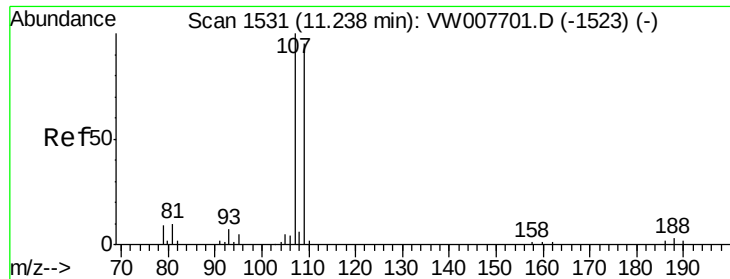
MMDadoda
12/26/2018 11:01:34 AM



#60
Dibromochloromethane
Concen: 55.866 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion: 129 Resp: 11544
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9





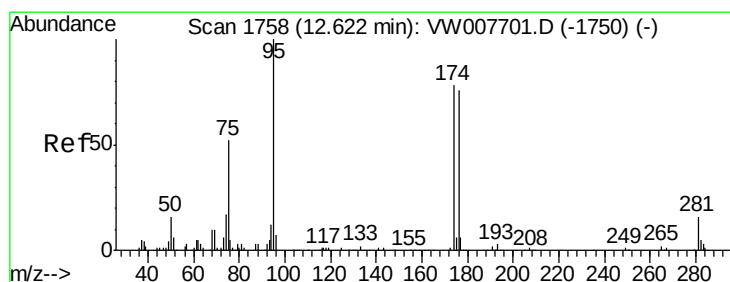
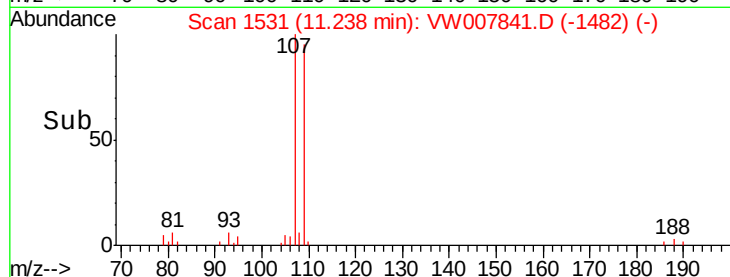
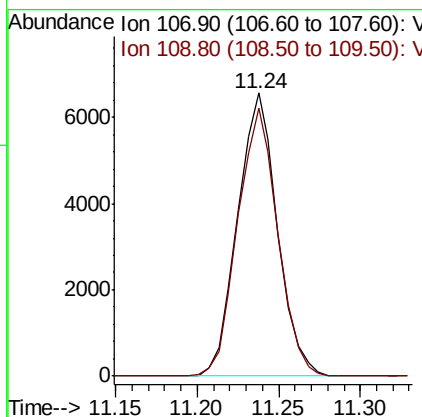
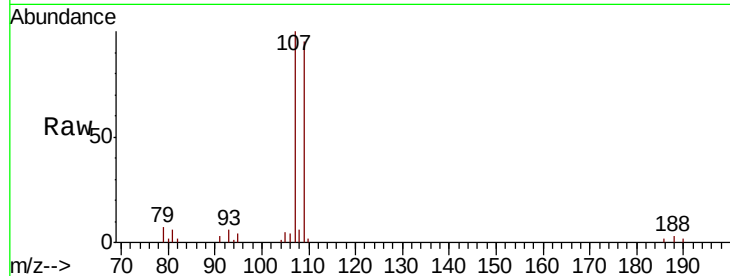
#61
 1,2-Dibromoethane
 Concen: 70.078 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.4	113.0

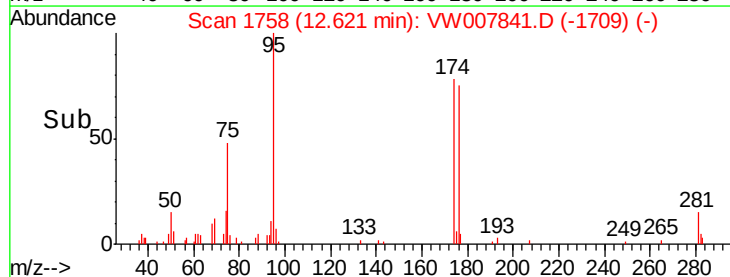
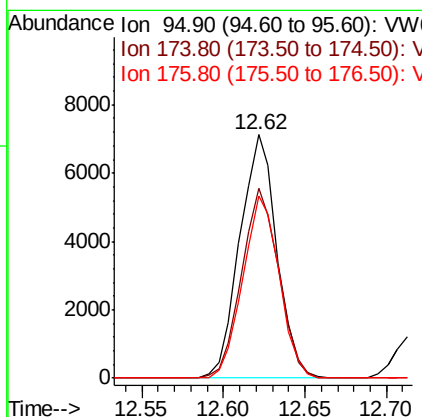
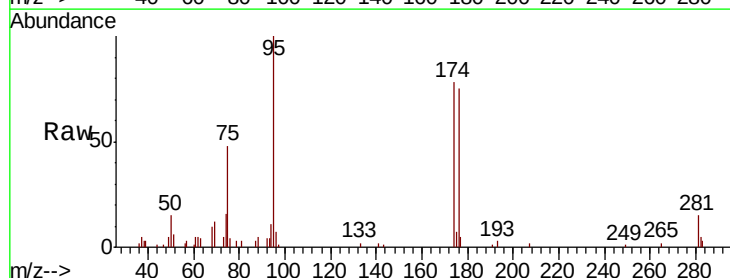
Manual Integrations
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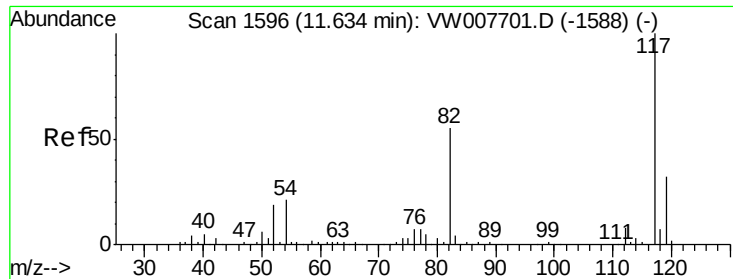
MMDadoda
 12/26/2018 11:01:34 AM



#62
 4-Bromofluorobenzene
 Concen: 39.294 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	152.2
176	73.5	0.0	146.8





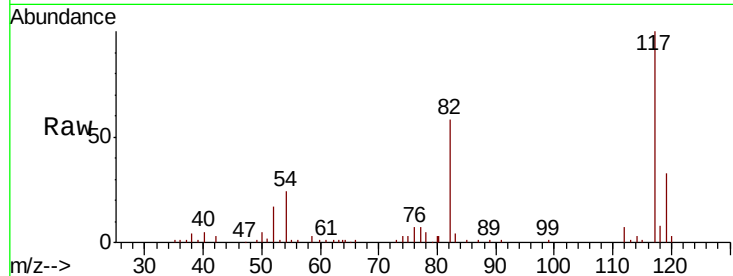
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.3	66.5
119	32.6	25.7	38.5

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12/26/2018 11:01:34 AM

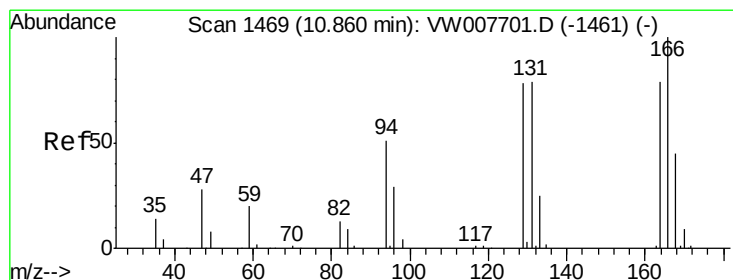
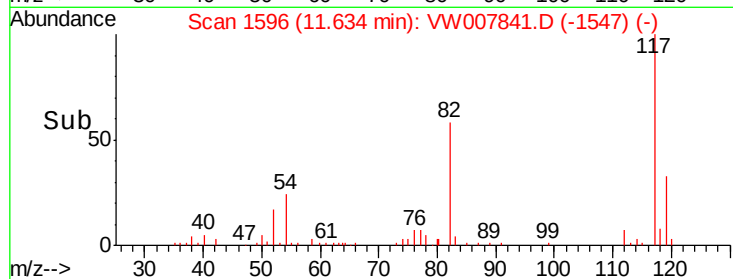
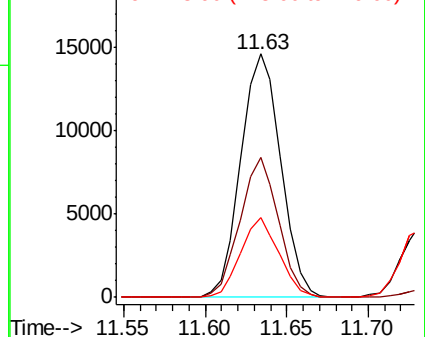


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 42.556 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	139.1	101.0	151.6
129	114.6	78.7	118.1
131	98.0	79.4	119.0

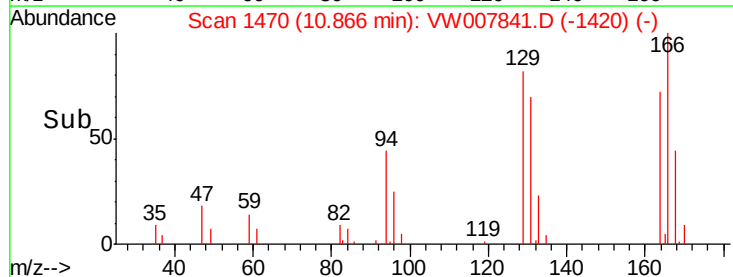
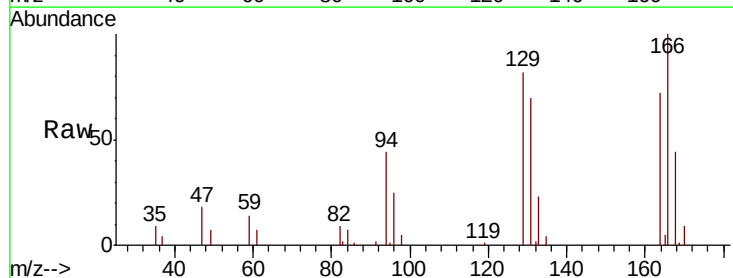
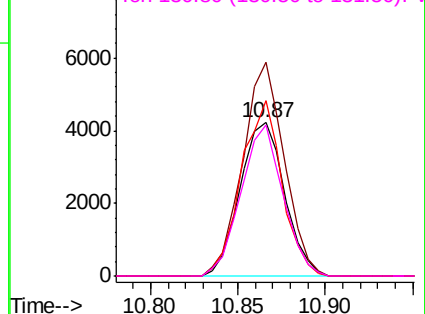
Abundance

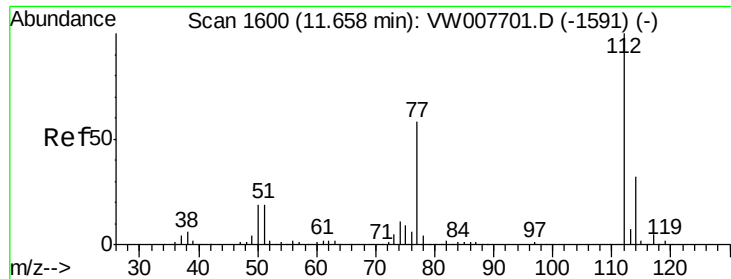
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





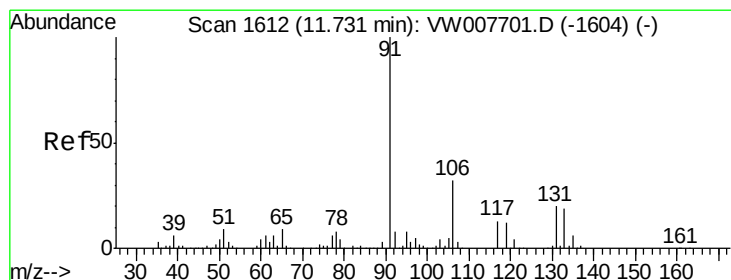
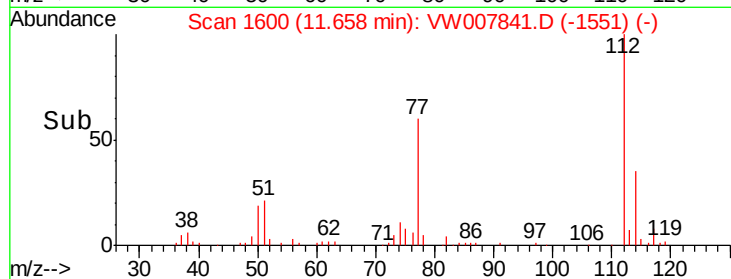
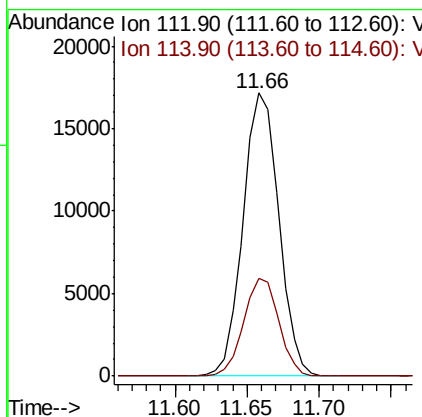
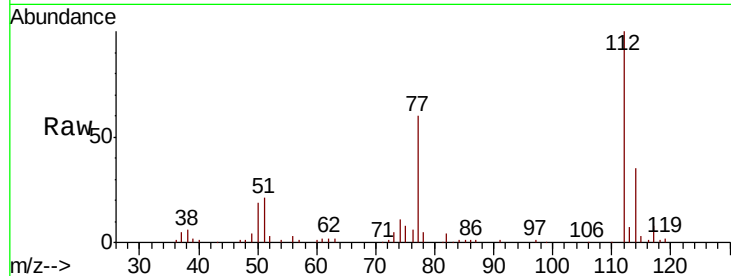
#65
Chlorobenzene
Concen: 54.889 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion:112 Resp: 29505
Ion Ratio Lower Upper
112 100
114 34.7 25.2 37.8

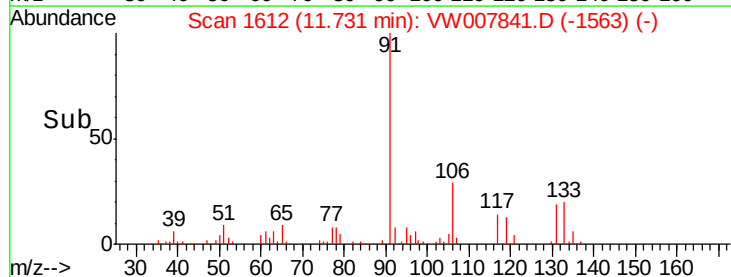
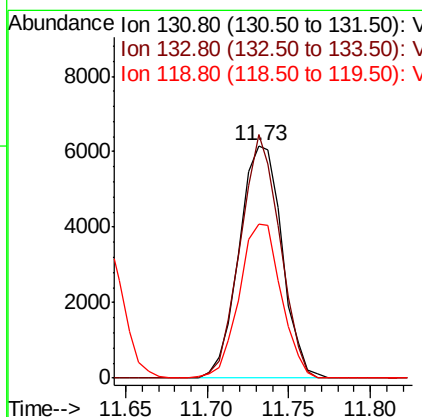
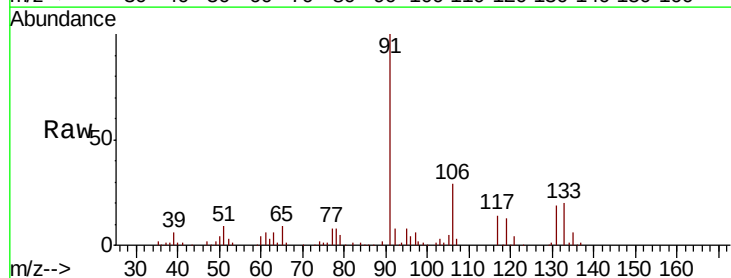
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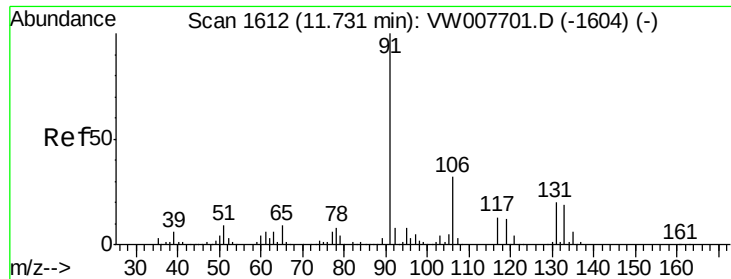
MMDadoda
12/26/2018 11:01:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 58.562 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion:131 Resp: 11248
Ion Ratio Lower Upper
131 100
133 96.7 47.5 142.5
119 64.9 30.2 90.6





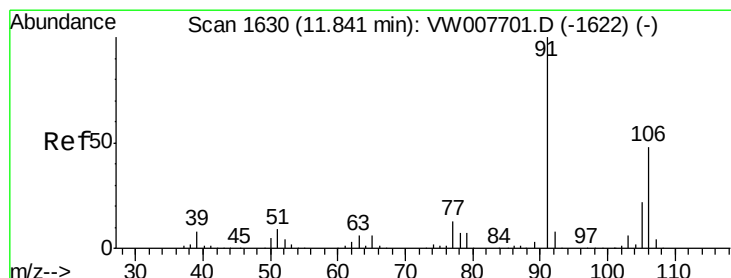
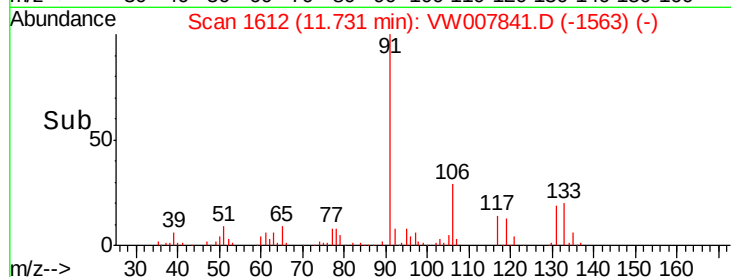
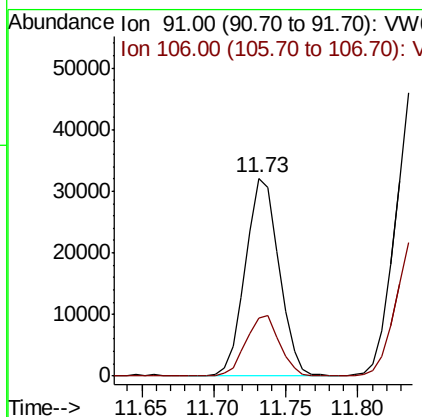
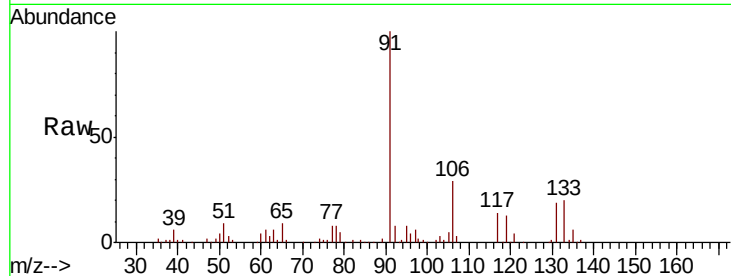
#67
Ethyl Benzene
Concen: 55.960 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion: 91 Resp: 51618
Ion Ratio Lower Upper
91 100
106 29.5 25.8 38.8

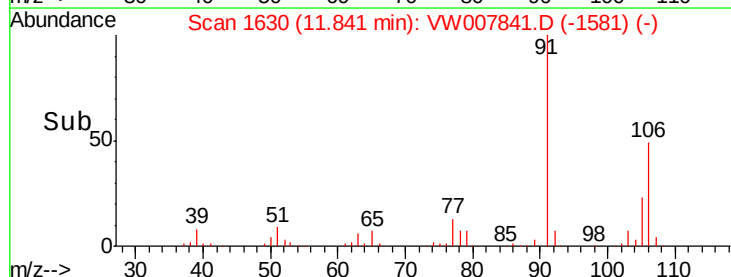
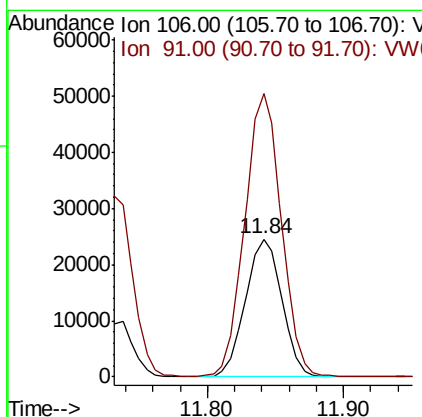
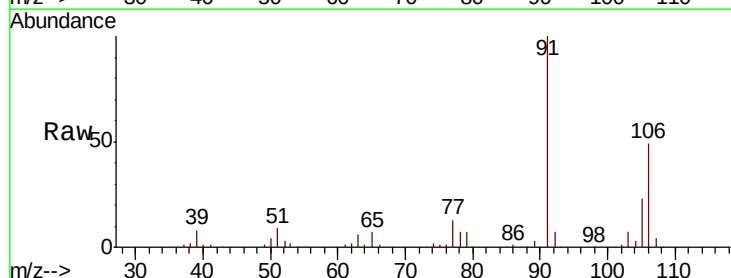
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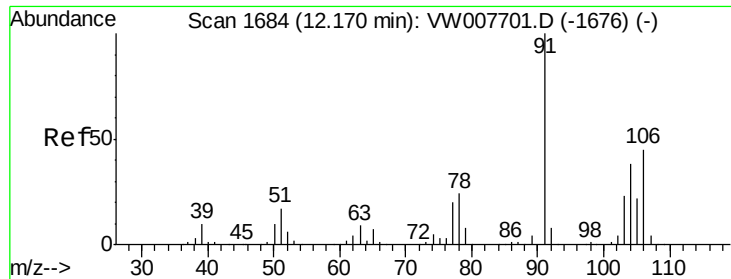
MMDadoda
12/26/2018 11:01:34 AM



#68
m/p-Xylenes
Concen: 128.670 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion: 106 Resp: 46040
Ion Ratio Lower Upper
106 100
91 205.6 165.2 247.8





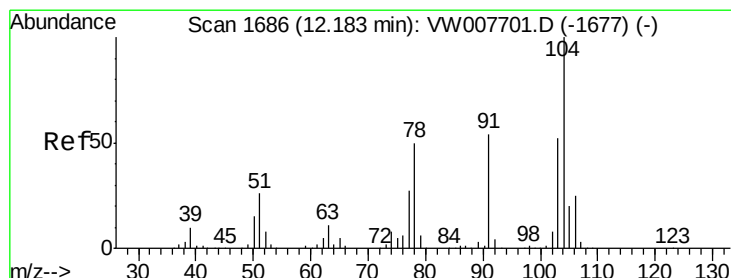
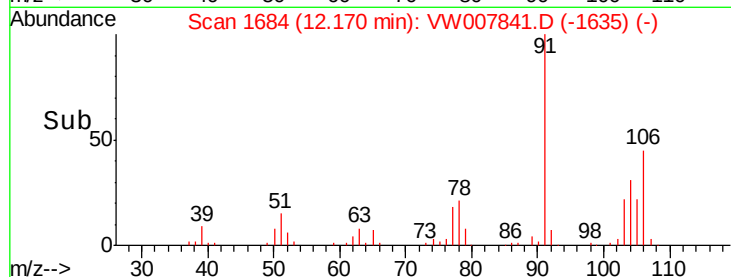
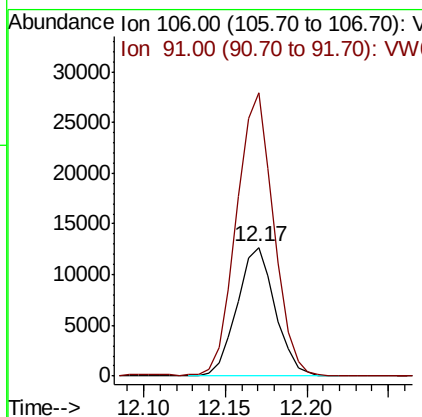
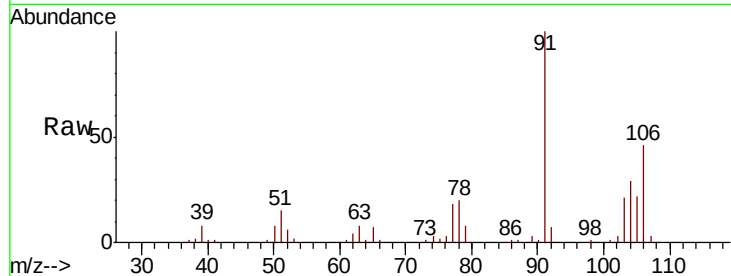
#69
o-Xylene
Concen: 61.540 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion:106 Resp: 20641
Ion Ratio Lower Upper
106 100
91 215.9 110.5 331.4

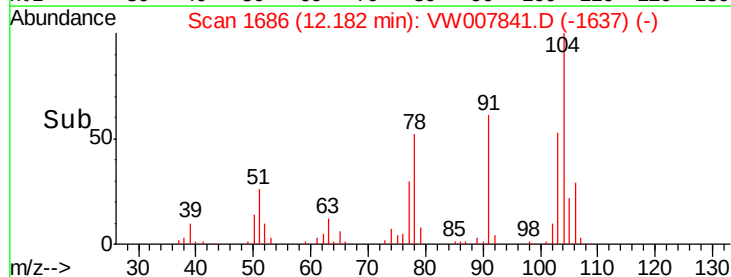
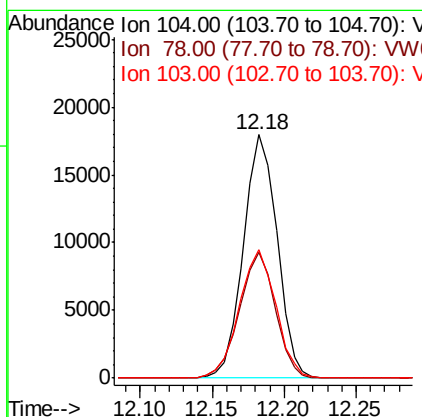
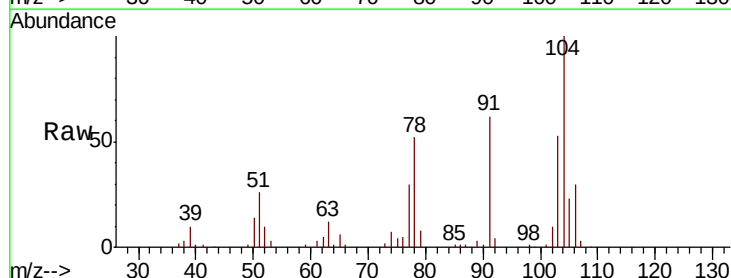
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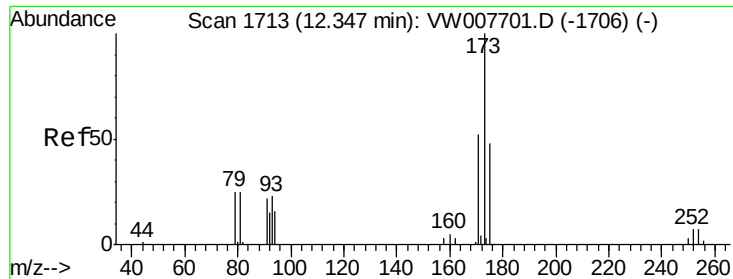
MMDadoda
12/26/2018 11:01:34 AM



#70
Styrene
Concen: 52.884 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion:104 Resp: 29157
Ion Ratio Lower Upper
104 100
78 55.0 43.4 65.0
103 57.3 44.5 66.7





#71

Bromoform

Concen: 59.915 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion:173 Resp: 5974

Ion Ratio Lower Upper

173 100

175 47.4 23.9 71.7

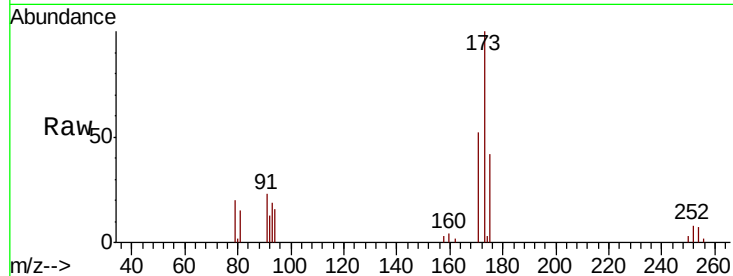
254 0.0 0.0 0.0

Manual Integrations

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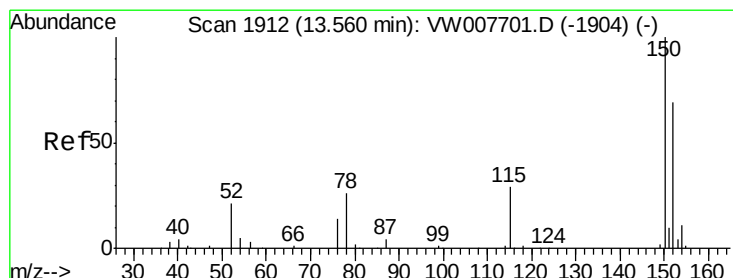
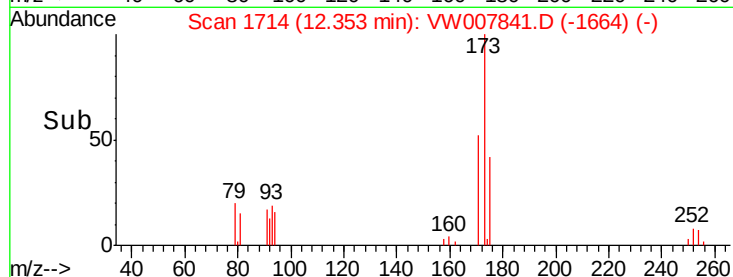
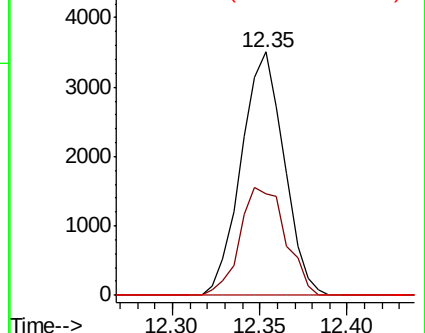
12/26/2018 11:01:34 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

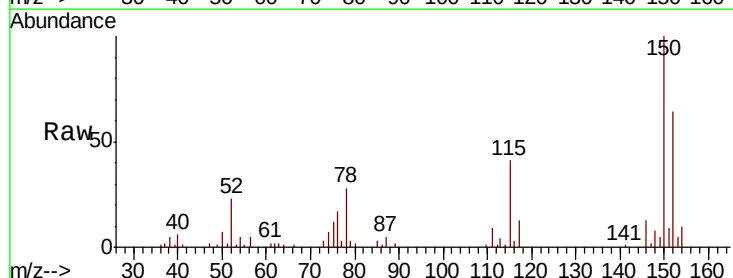
Tgt Ion:152 Resp: 8341

Ion Ratio Lower Upper

152 100

115 63.6 31.8 95.4

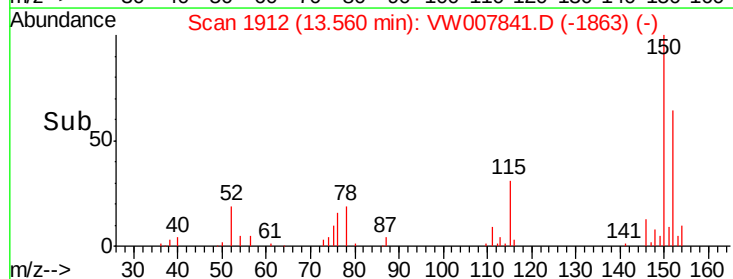
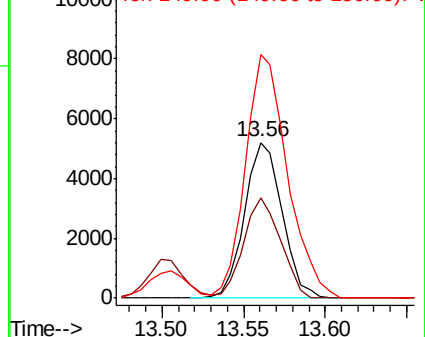
150 174.5 0.0 350.8

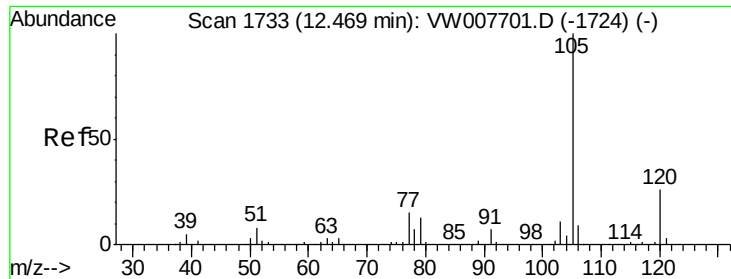


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 60.171 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion:105 Resp: 37937

Ion Ratio Lower Upper

105 100

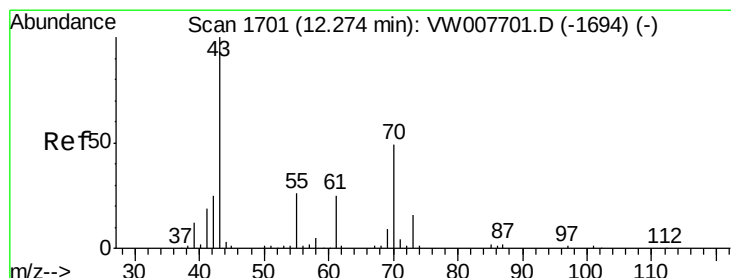
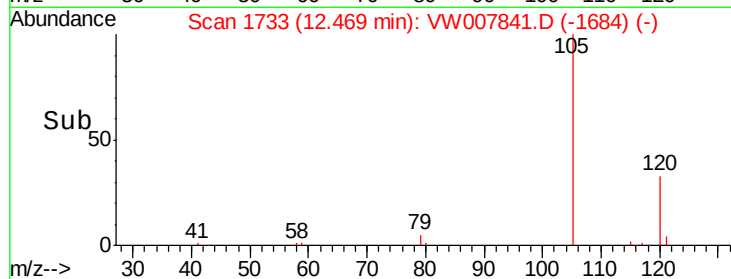
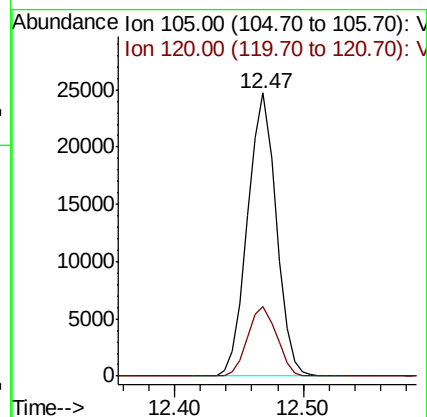
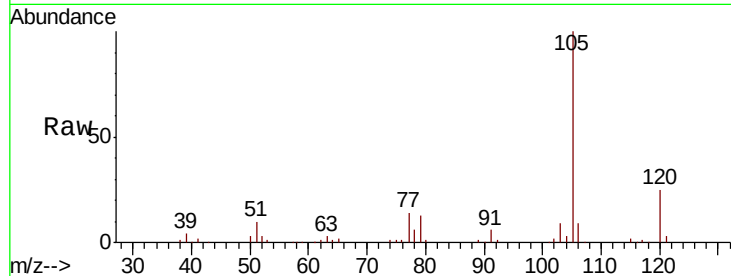
120 25.1 13.1 39.3

Manual Integrations

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12/26/2018 11:01:34 AM



#74

N-ethyl acetate

Concen: 56.982 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Tgt Ion: 43 Resp: 6223

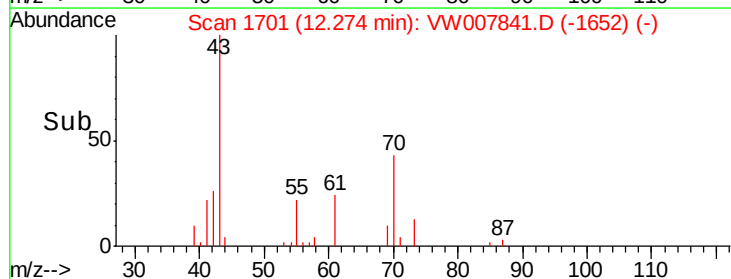
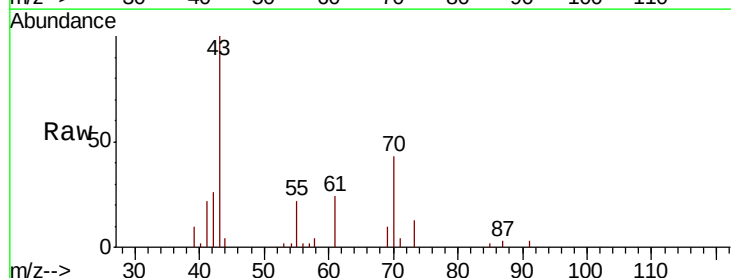
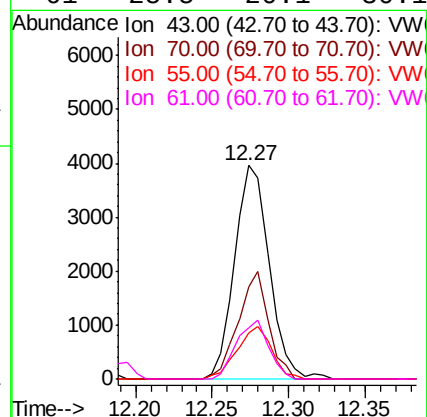
Ion Ratio Lower Upper

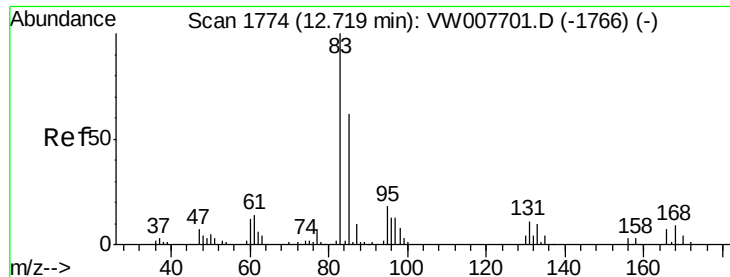
43 100

70 43.8 37.6 56.4

55 24.6 21.7 32.5

61 25.5 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 121.833 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

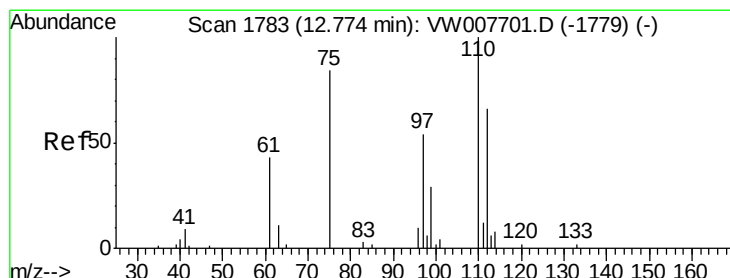
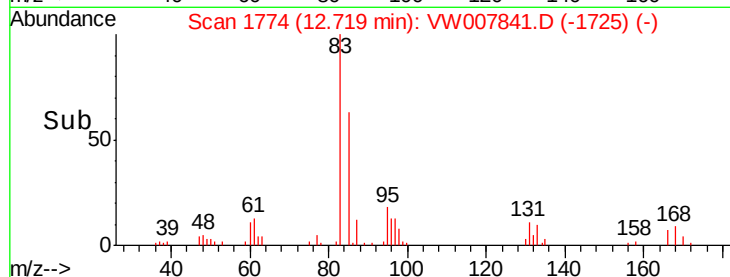
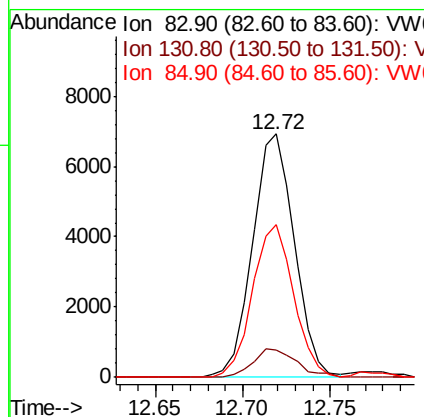
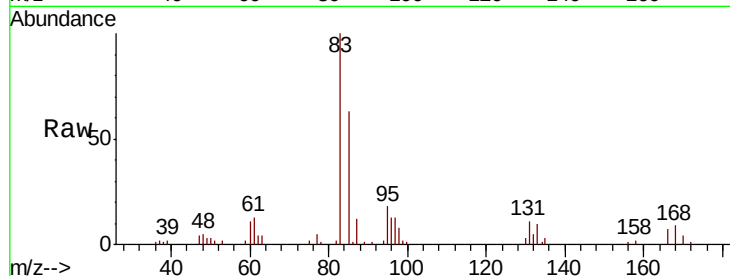
ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion:	83	Resp:	11517
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.3	18.8
85	61.7	32.3	96.8

Manual Integrations
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12/26/2018 11:01:34 AM



#76

1,2,3-Trichloropropane

Concen: 174.334 ug/l m

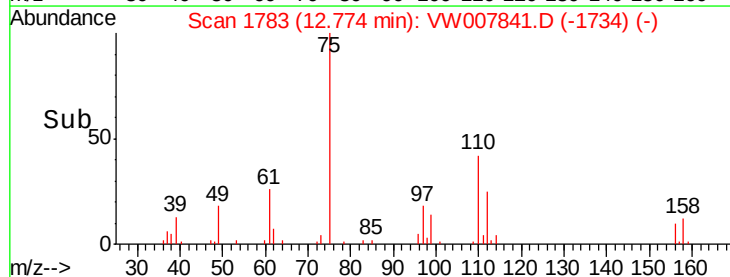
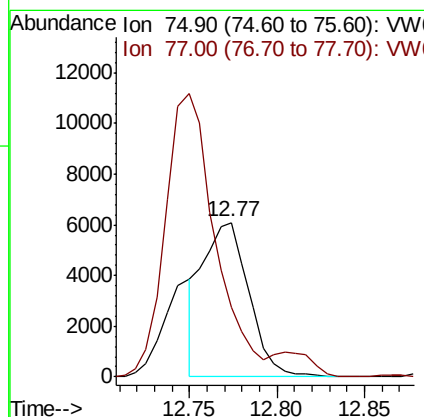
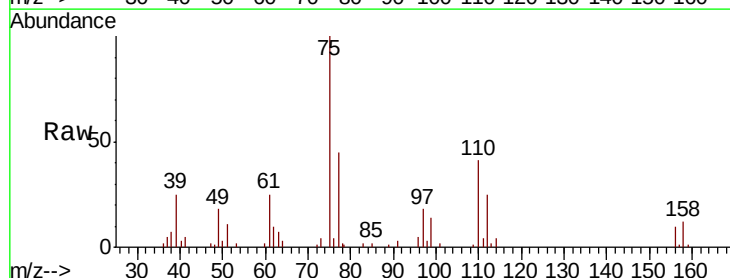
RT: 12.77 min Scan# 1783

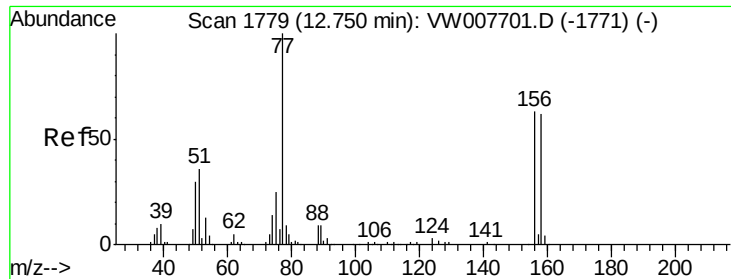
Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Tgt Ion:	75	Resp:	11239
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 77.049 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

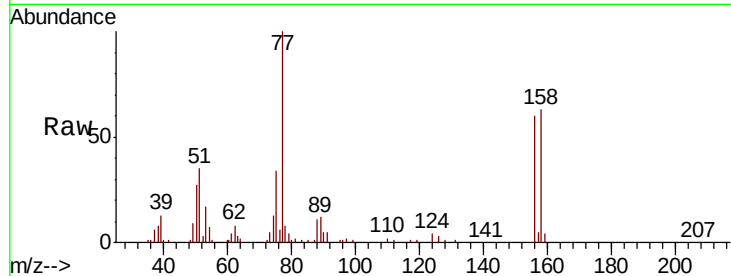
ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	198.5	87.4	262.1		
158	99.6	48.4	145.0		

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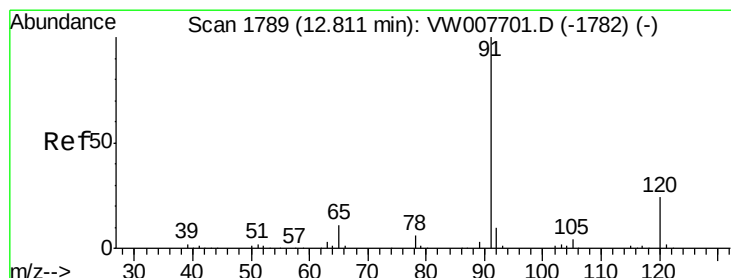
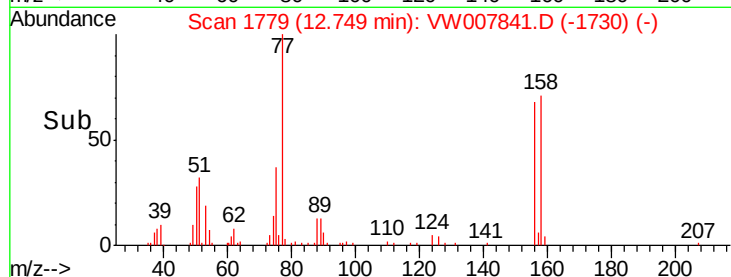
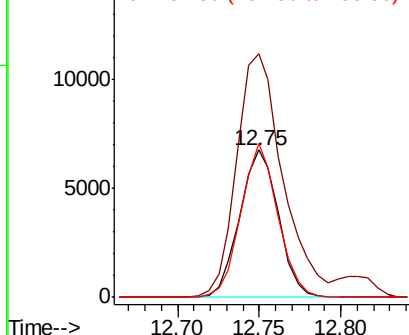


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.075 ug/l

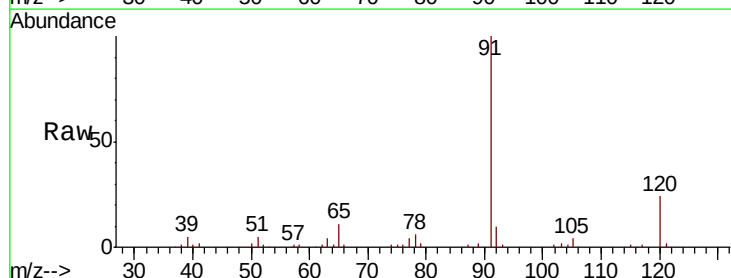
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

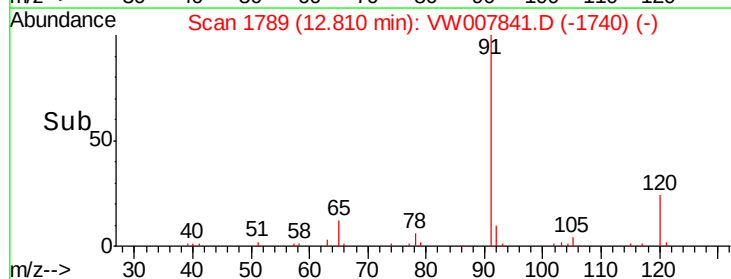
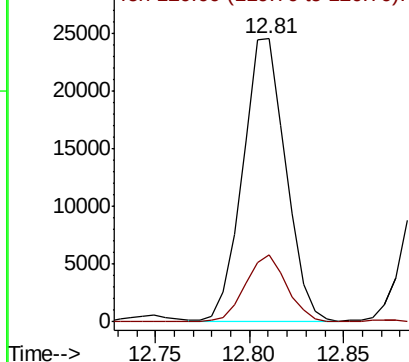
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.6	11.9	35.7		

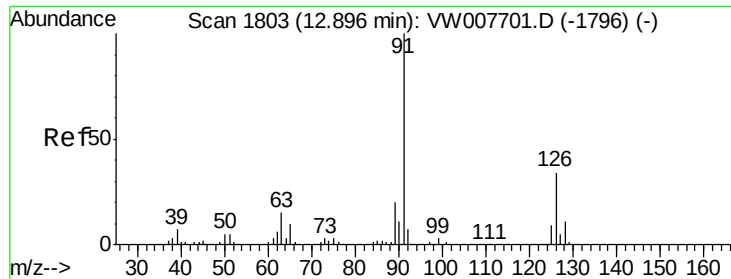


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 61.198 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion: 91 Resp: 26165

Ion Ratio Lower Upper

91 100

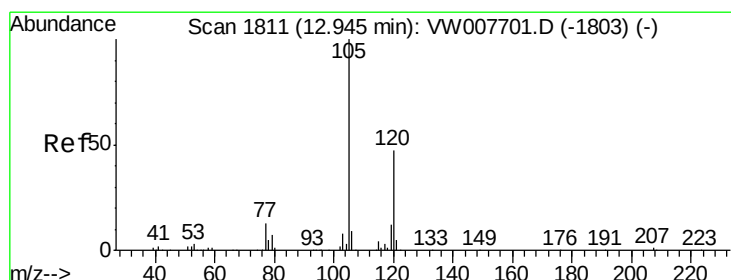
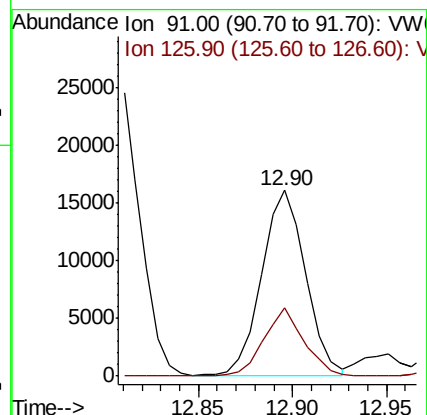
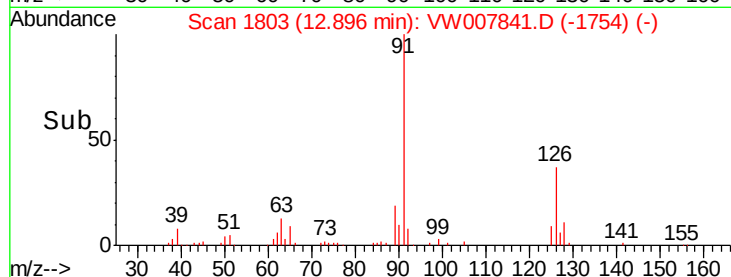
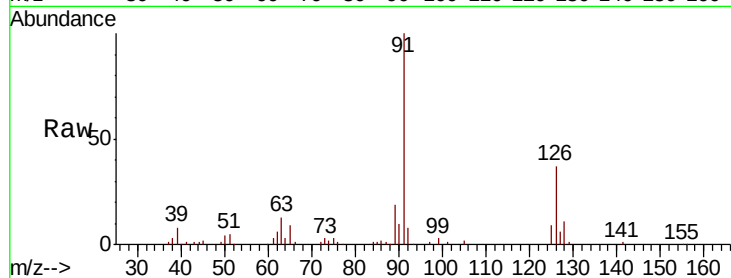
126 33.3 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 53.056 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007841.D

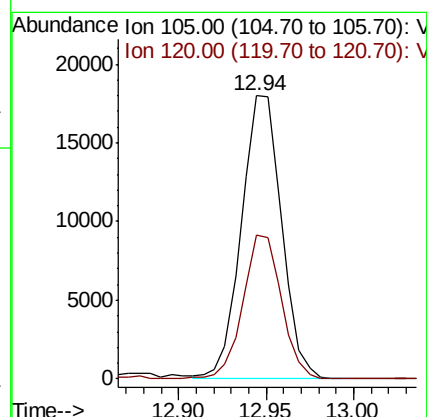
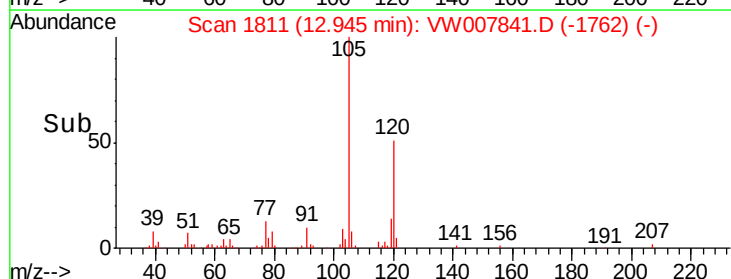
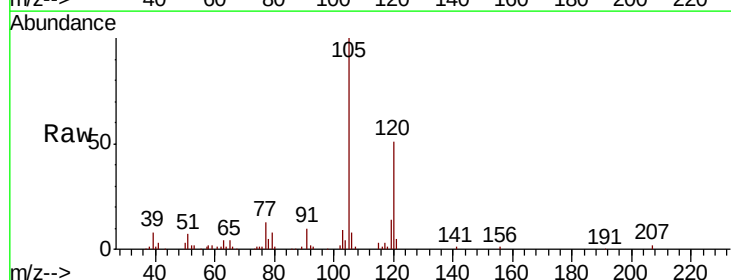
Acq: 22 Dec 2018 13:59

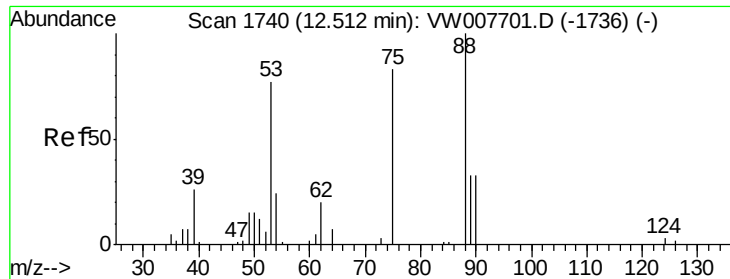
Tgt Ion:105 Resp: 28854

Ion Ratio Lower Upper

105 100

120 48.7 23.6 70.8





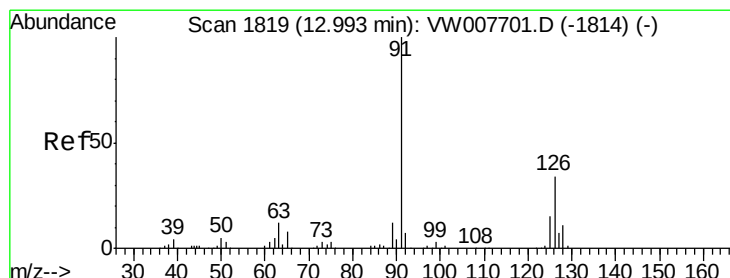
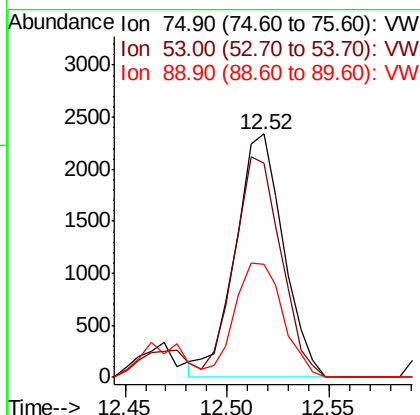
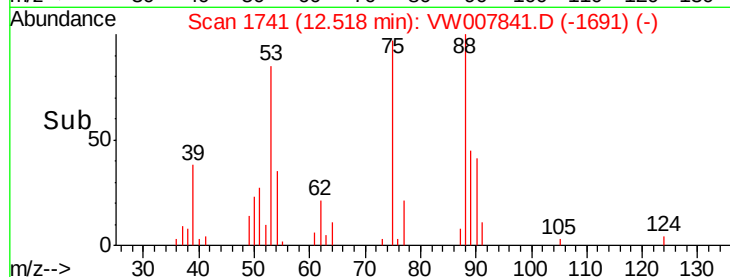
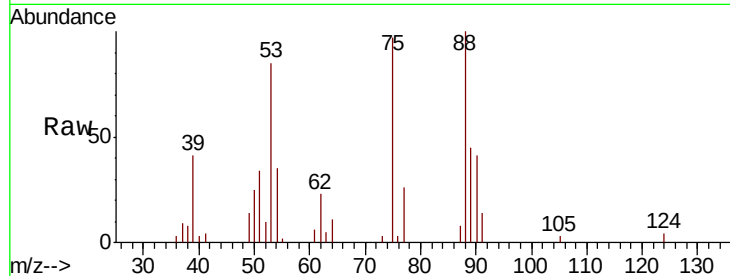
#81
trans-1,4-Dichloro-2-butene
Concen: 124.248 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.9	80.2	120.2
89	47.6	39.2	58.8

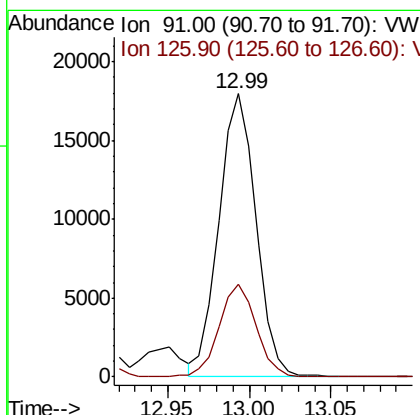
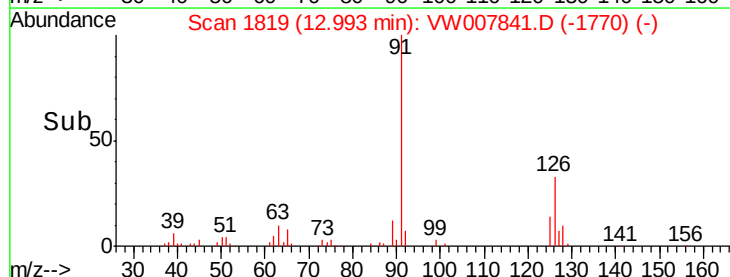
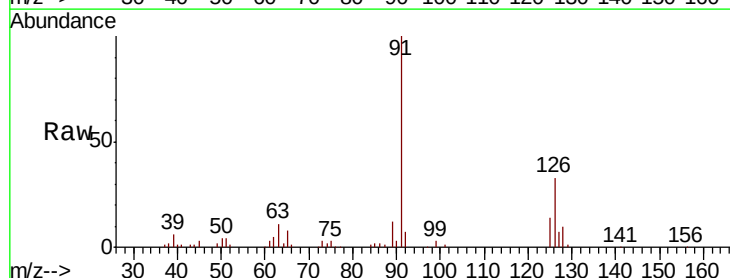
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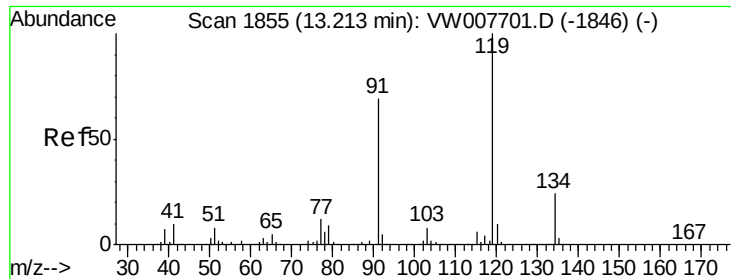
MMDadoda
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#82
4-Chlorotoluene
Concen: 62.519 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.5	49.5





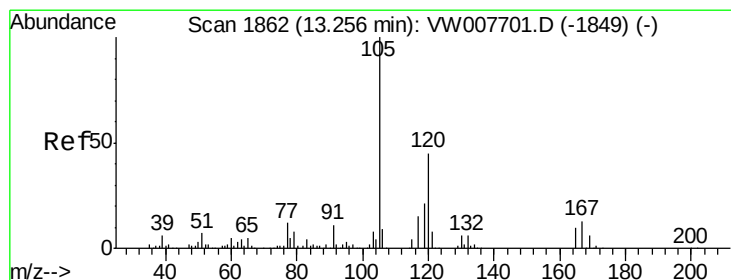
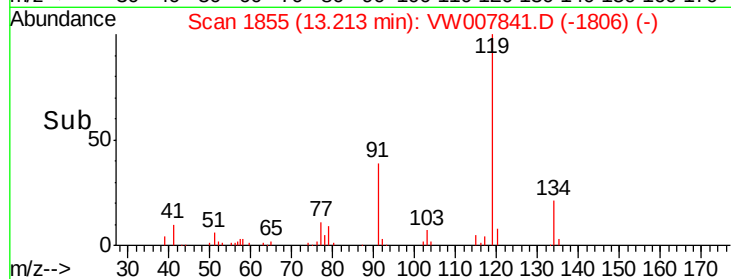
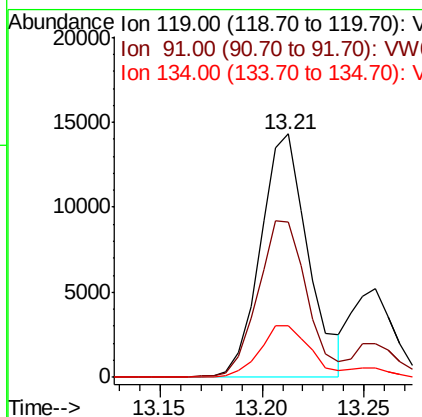
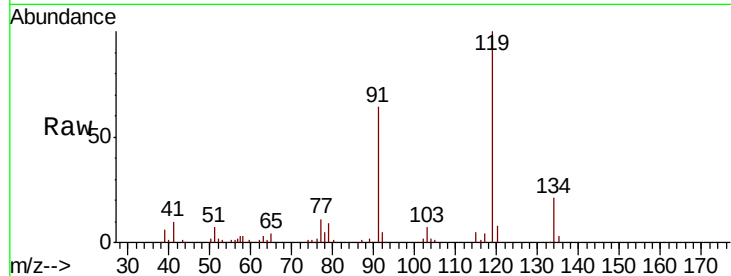
#83
 tert-Butylbenzene
 Concen: 48.789 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	34.2	102.5
134	22.4	12.8	38.4

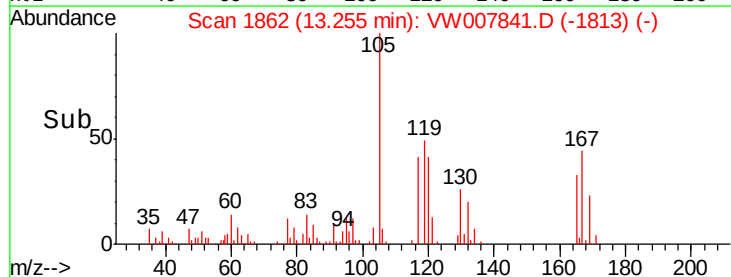
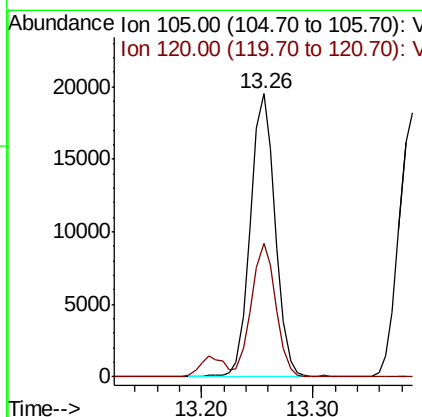
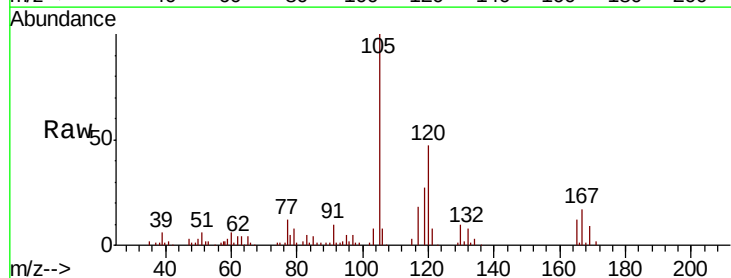
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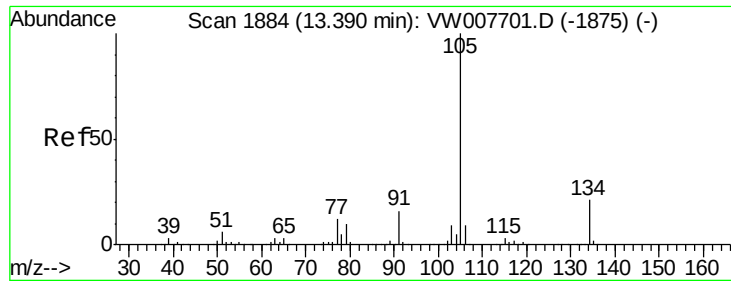
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.341 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.0	66.0





#85

sec-Butylbenzene

Concen: 41.597 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01MSD

Tot Ion:105 Resp: 27356

Ion Ratio Lower Upper

105 100

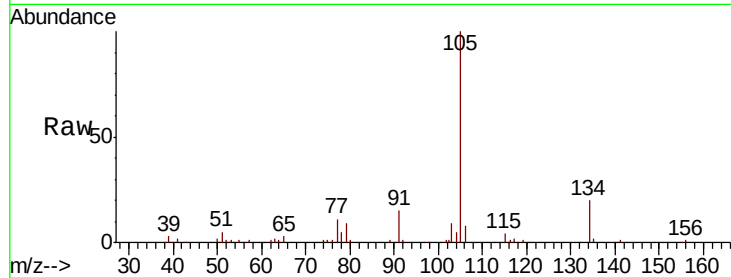
134 19.2 10.2 30.4

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

20000

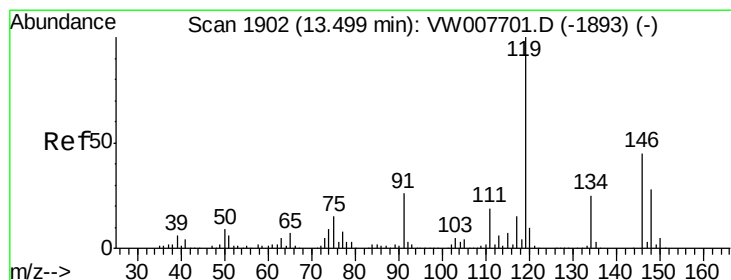
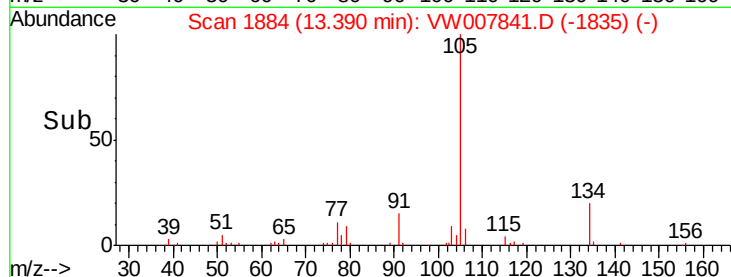
15000

10000

5000

0

Time-->



#86

p-Isopropyltoluene

Concen: 40.279 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

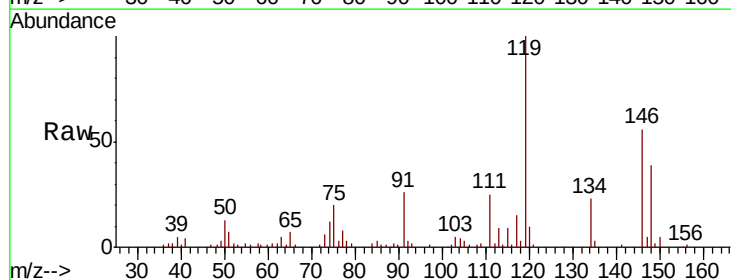
Tgt Ion:119 Resp: 24087

Ion Ratio Lower Upper

119 100

134 24.6 13.0 39.0

91 25.3 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

20000

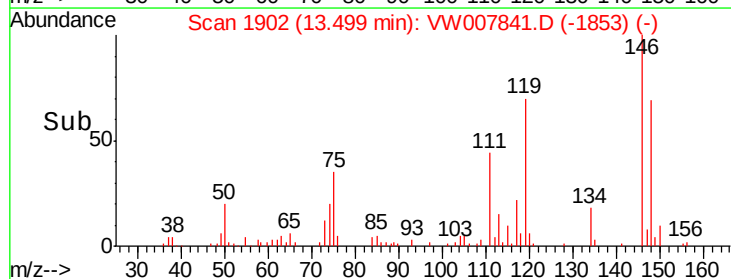
15000

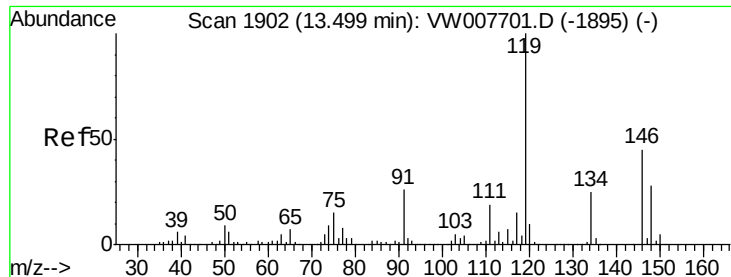
10000

5000

0

Time-->





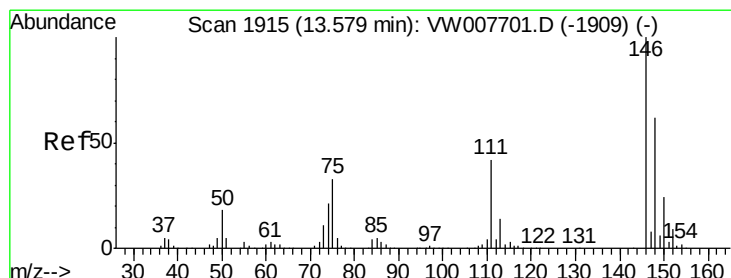
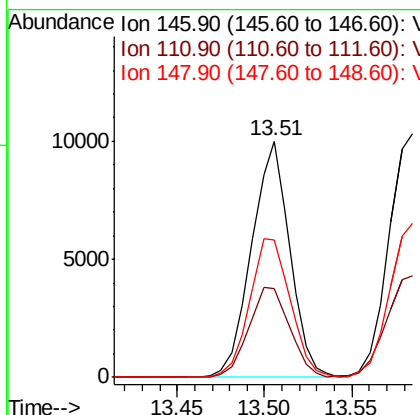
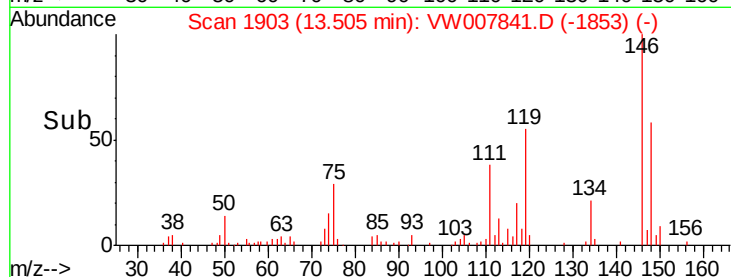
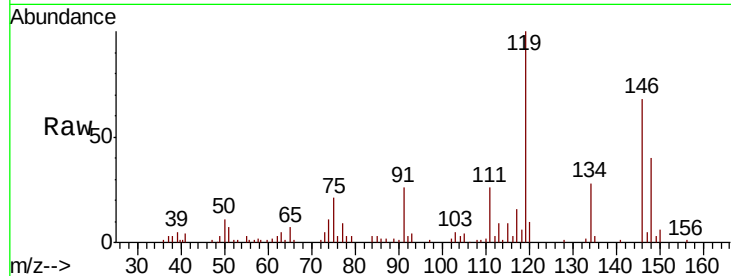
#87
 1,3-Dichlorobenzene
 Concen: 52.958 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	15193		
111	40.8	21.1	63.4	
148	62.4	32.1	96.5	

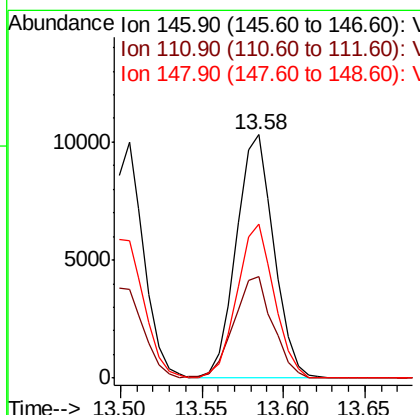
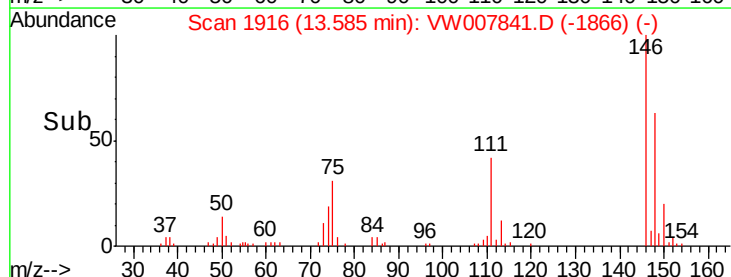
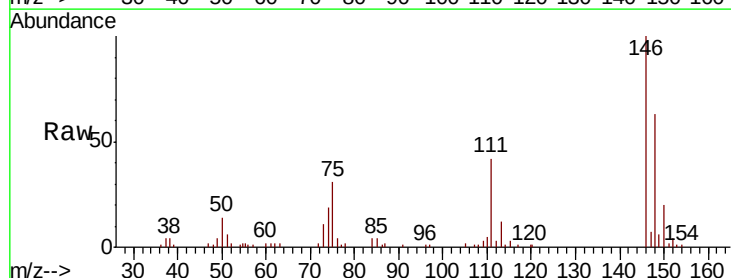
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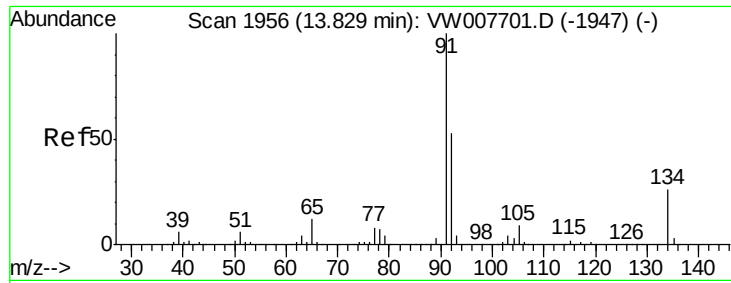
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#88
 1,4-Dichlorobenzene
 Concen: 57.553 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	16516		
111	43.3	21.0	63.0	
148	62.7	31.8	95.4	





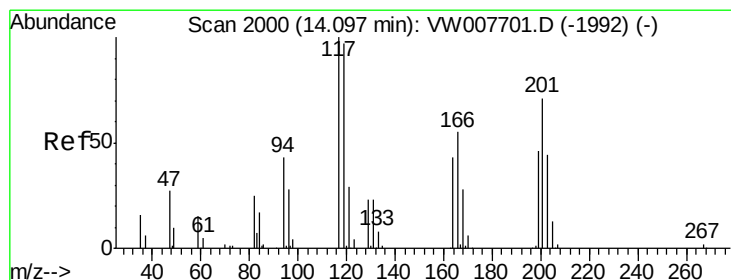
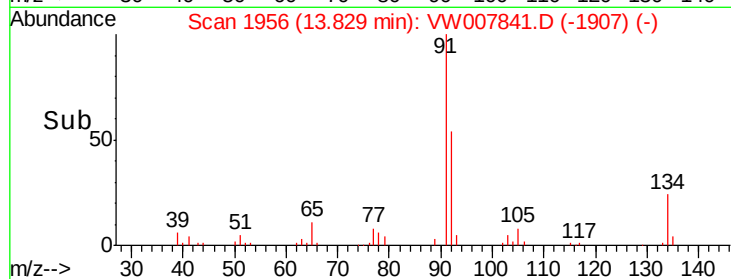
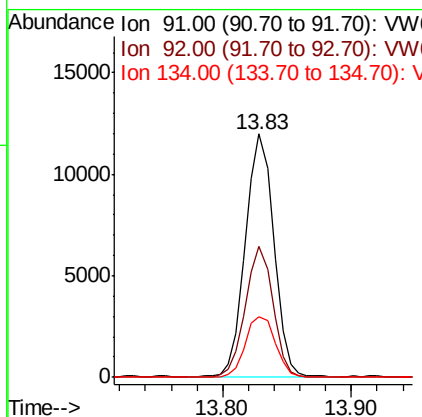
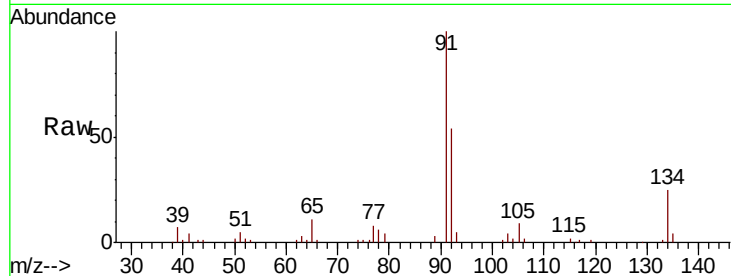
#89
n-Butylbenzene
Concen: 33.502 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.4	79.2
134	26.2	13.7	41.0

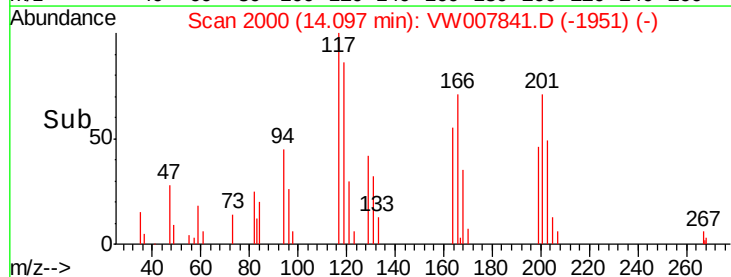
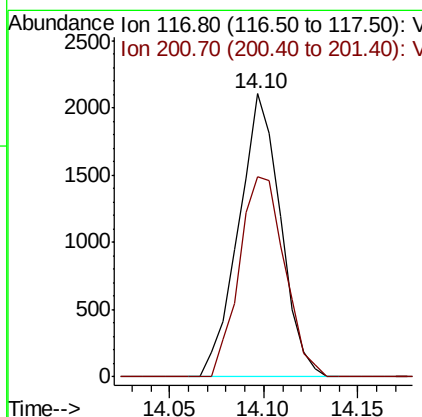
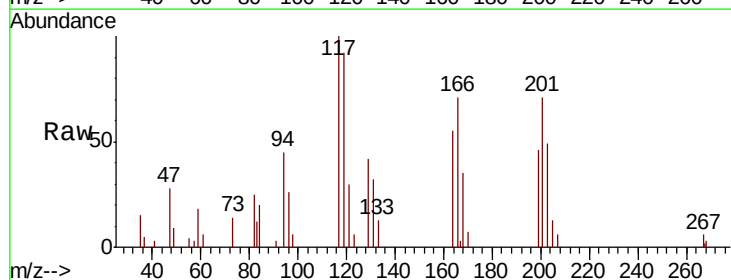
Manual Integrations
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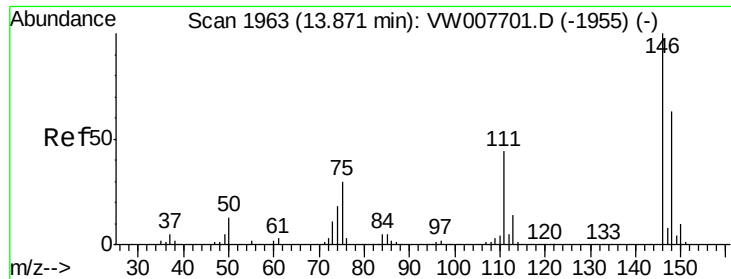
MMDadoda
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#90
Hexachloroethane
Concen: 31.033 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	36.2	108.6





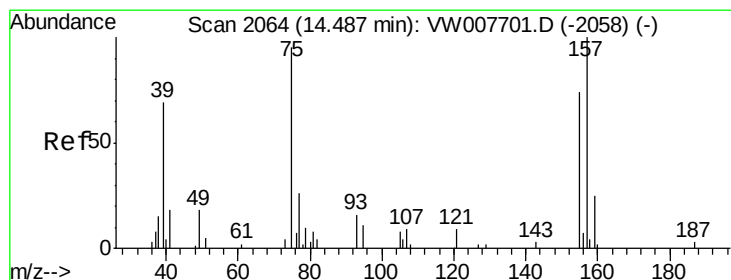
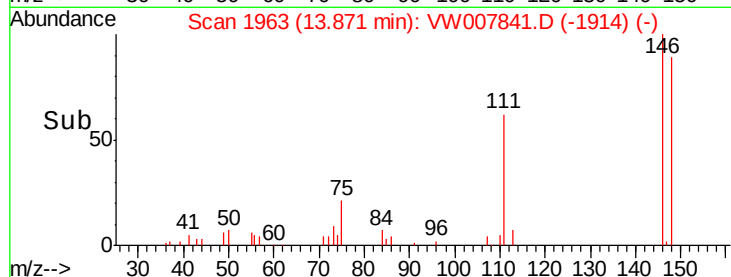
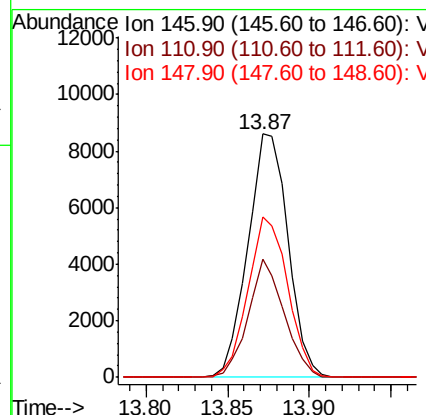
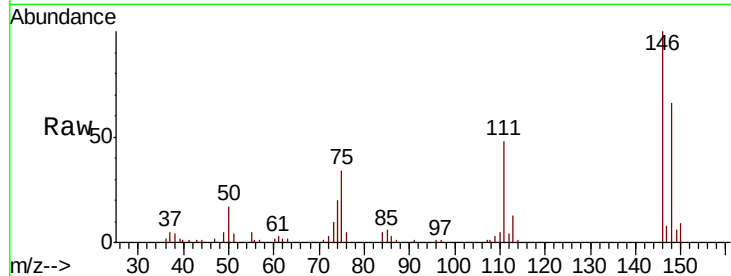
#91
 1,2-Dichlorobenzene
 Concen: 57.448 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.7	65.1
148	64.7	32.1	96.5

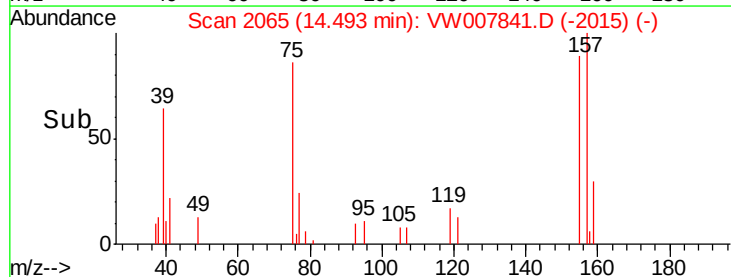
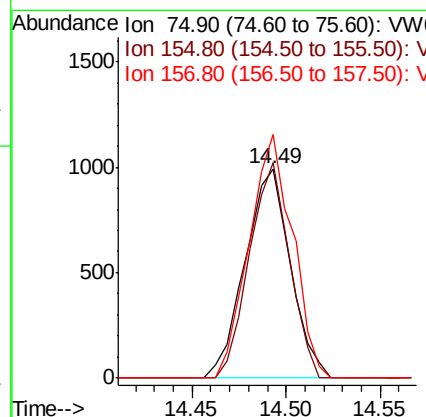
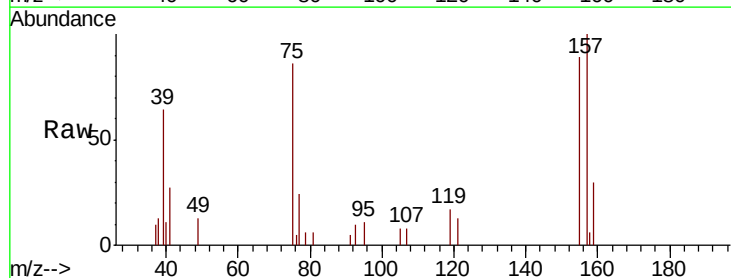
Manual Integrations
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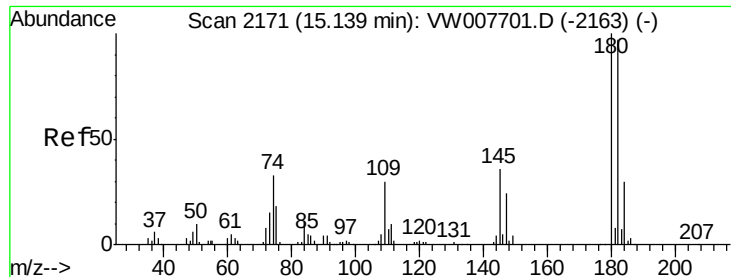
MMDadoda
 12/26/2018 11:01:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 85.354 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007841.D
 Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	39.4	118.1
157	111.1	52.0	156.0





#93

1,2,4-Trichlorobenzene

Concen: 27.516 ug/l

RT: 15.15 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VW007841.D

Acq: 22 Dec 2018 13:59

Instrument :

MSVOA_W

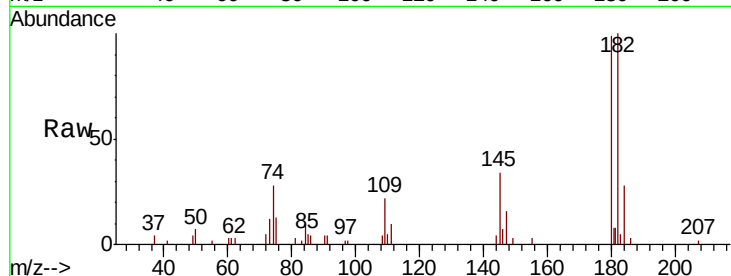
ClientSampleId :

P001-SS006-1824-01MSD

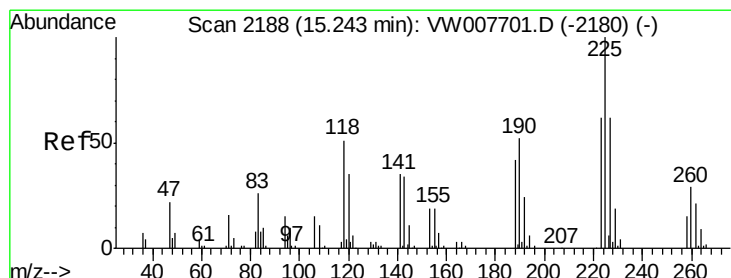
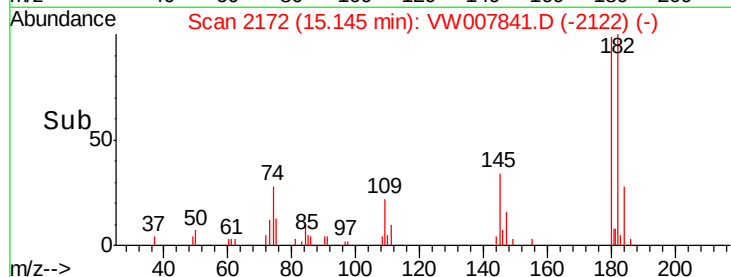
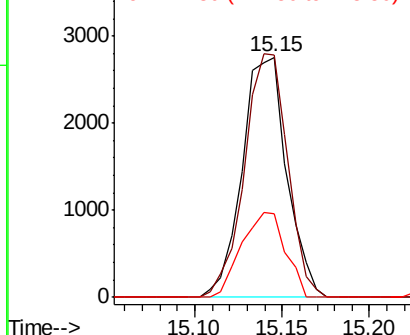
Tot Ion:	180	Resp:	4906
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.5	142.6
145	34.6	17.5	52.5

Manual Integrations
APPROVED

MMDadoda
12/26/2018 11:01:34 AM



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: 20.181 ug/l

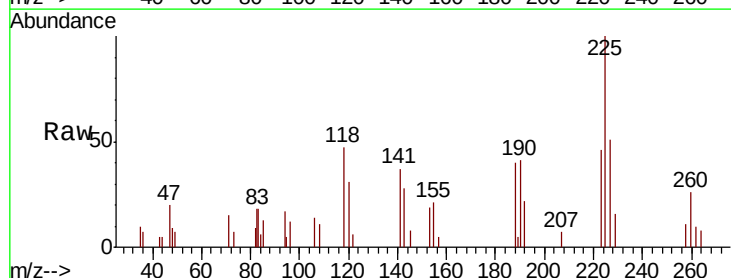
RT: 15.24 min Scan# 2187

Delta R.T. -0.01 min

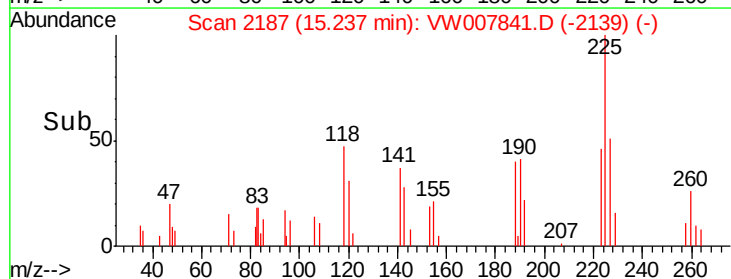
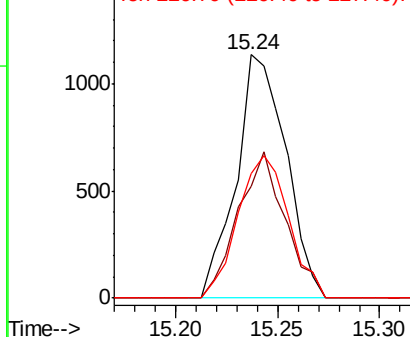
Lab File: VW007841.D

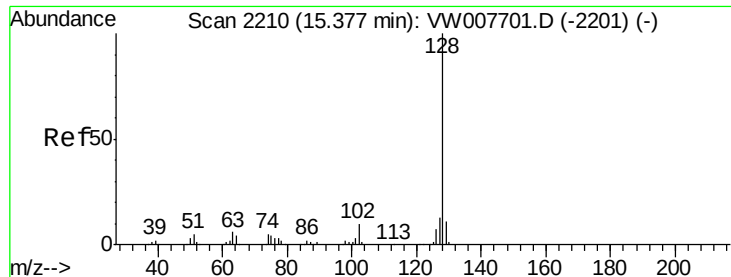
Acq: 22 Dec 2018 13:59

Tgt Ion:	225	Resp:	1923
Ion Ratio	Lower	Upper	
225	100		
223	57.0	31.6	94.8
227	59.8	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





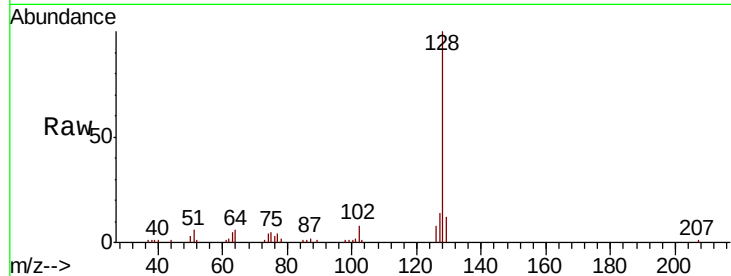
#95
Naphthalene
Concen: 55.636 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 11:01:34 AM

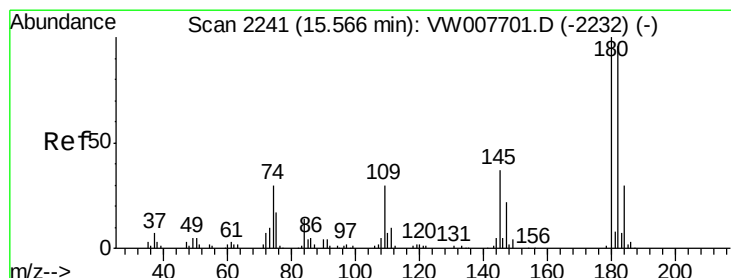
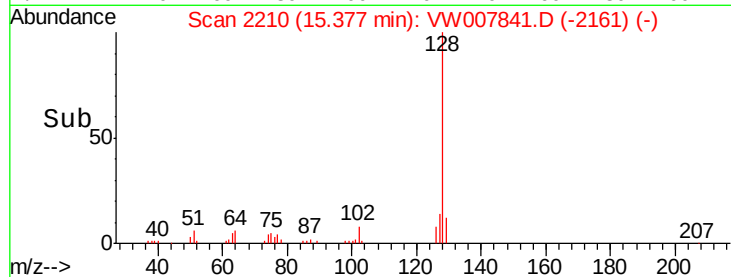
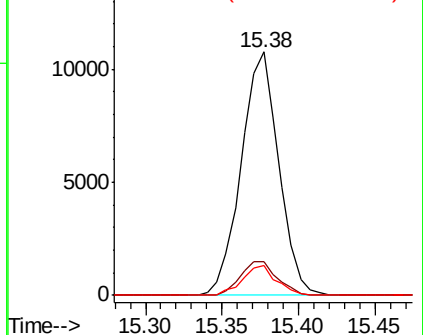


Abundance

Ion 128.00 (127.70 to 128.70): V

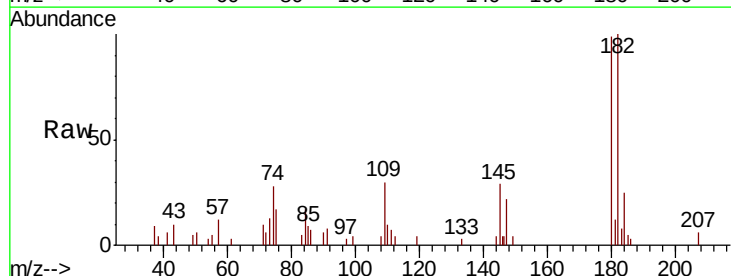
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 23.679 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007841.D
Acq: 22 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.4	142.2
145	40.3	18.4	55.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

