

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007821.D
 Acq On : 22 Dec 2018 03:12
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:59:36 AM

Quant Time: Dec 22 05:42:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	69977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	118062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	108536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53809	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43522	56.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.48%	
35) Dibromofluoromethane	7.88	113	38685	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
50) Toluene-d8	10.32	98	148884	54.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.66%	
62) 4-Bromofluorobenzene	12.62	95	58278	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25656	41.242	ug/l	98
3) Chloromethane	2.21	50	24847	65.045	ug/l	95
4) Vinyl Chloride	2.37	62	28509	58.628	ug/l	98
5) Bromomethane	2.78	94	20539	60.643	ug/l	93
6) Chloroethane	2.93	64	16471	63.314	ug/l	100
7) Trichlorofluoromethane	3.25	101	21781	43.024	ug/l	96
8) Diethyl Ether	3.68	74	20161	65.018	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.05	101	35263	47.296	ug/l	99
10) Methyl Iodide	4.26	142	60987	51.436	ug/l	97
11) Tert butyl alcohol	5.17	59	16170	312.531	ug/l	99
12) 1,1-Dichloroethene	4.03	96	34544	50.034	ug/l	99
13) Acrolein	3.89	56	8495	205.351	ug/l	99
14) Allyl chloride	4.66	41	51724	57.130	ug/l	92
15) Acrylonitrile	5.36	53	41689	315.178	ug/l	99
16) Acetone	4.12	43	34728	241.798	ug/l	99
17) Carbon Disulfide	4.37	76	99330	46.492	ug/l	99
18) Methyl Acetate	4.67	43	24734	72.413	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	63025	63.586	ug/l	94
20) Methylene Chloride	4.91	84	39253	55.321	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	40259	53.020	ug/l	91
22) Diisopropyl ether	6.31	45	103600	61.111	ug/l	99
23) Vinyl Acetate	6.25	43	300880	298.724	ug/l	96
24) 1,1-Dichloroethane	6.21	63	69612	55.817	ug/l	99
25) 2-Butanone	7.17	43	50222	298.539	ug/l	98
26) 2,2-Dichloropropane	7.17	77	41337	45.295	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	45652	56.432	ug/l	97
28) Bromochloromethane	7.51	49	25435	59.816	ug/l	96
29) Tetrahydrofuran	7.52	42	33621	335.057	ug/l	97
30) Chloroform	7.68	83	76340	54.089	ug/l	96
31) Cyclohexane	7.95	56	56483	49.471	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	63170	49.143	ug/l	99
36) 1,1-Dichloropropene	8.08	75	55789	48.959	ug/l	99
37) Ethyl Acetate	7.25	43	23621	60.064	ug/l	98
38) Carbon Tetrachloride	8.07	117	57499	42.846	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	68968	48.707	ug/l	98
40) Benzene	8.32	78	158167	52.016	ug/l	100
41) Methacrylonitrile	7.48	41	14285	63.979	ug/l	93
42) 1,2-Dichloroethane	8.40	62	52884	51.897	ug/l	99
43) Isopropyl Acetate	8.43	43	48462	61.509	ug/l	96
44) Trichloroethene	9.09	130	46327	50.379	ug/l	99
45) 1,2-Dichloropropane	9.37	63	37565	55.675	ug/l	97
46) Dibromomethane	9.46	93	22035	53.053	ug/l	99
47) Bromodichloromethane	9.64	83	54881	50.262	ug/l	98
48) Methyl methacrylate	9.43	41	24458	62.191	ug/l	98
49) 1,4-Dioxane	9.45	88	8123	1233.566	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	113595	305.076	ug/l	99
52) Toluene	10.39	92	106969	52.432	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	58075	53.473	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	62833	52.377	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31823	55.578	ug/l	97
56) Ethyl methacrylate	10.65	69	41582	61.466	ug/l	97
57) 1,3-Dichloropropane	10.93	76	53535	56.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	104931	339.722	ug/l	98
59) 2-Hexanone	10.97	43	80070	305.771	ug/l	99
60) Dibromochloromethane	11.13	129	37523	49.494	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31776	54.802	ug/l	100
64) Tetrachloroethene	10.86	164	40549	52.759	ug/l	98
65) Chlorobenzene	11.66	112	119059	50.681	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	42214	50.291	ug/l	98
67) Ethyl Benzene	11.73	91	207079	51.369	ug/l	99
68) m/p-Xylenes	11.84	106	158831	101.570	ug/l	99
69) o-Xylene	12.17	106	76875	52.445	ug/l	100
70) Styrene	12.18	104	128598	53.371	ug/l	99
71) Bromoform	12.35	173	20572	47.210	ug/l #	98
73) Isopropylbenzene	12.47	105	213939	52.599	ug/l	100
74) N-amyl acetate	12.27	43	43905	62.318	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	35512	58.232	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	26647m	64.072	ug/l	
77) Bromobenzene	12.75	156	49567	53.176	ug/l	96
78) n-propylbenzene	12.80	91	244553	51.652	ug/l	99
79) 2-Chlorotoluene	12.90	91	145870	52.886	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	184273	52.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10295	51.960	ug/l	99
82) 4-Chlorotoluene	12.99	91	155725	53.025	ug/l	99
83) tert-Butylbenzene	13.21	119	161105	52.335	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	189269	53.463	ug/l	99
85) sec-Butylbenzene	13.39	105	220159	51.894	ug/l	99
86) p-Isopropyltoluene	13.50	119	198707	51.508	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	95794	51.760	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	97466	52.648	ug/l	100
89) n-Butylbenzene	13.83	91	180238	50.956	ug/l	99
90) Hexachloroethane	14.10	117	30964	45.719	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	88011	53.113	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6535	52.181	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	60441	52.547	ug/l	99
94) Hexachlorobutadiene	15.24	225	30504	49.624	ug/l	99
95) Naphthalene	15.37	128	126765	59.609	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	52984	53.813	ug/l	100

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

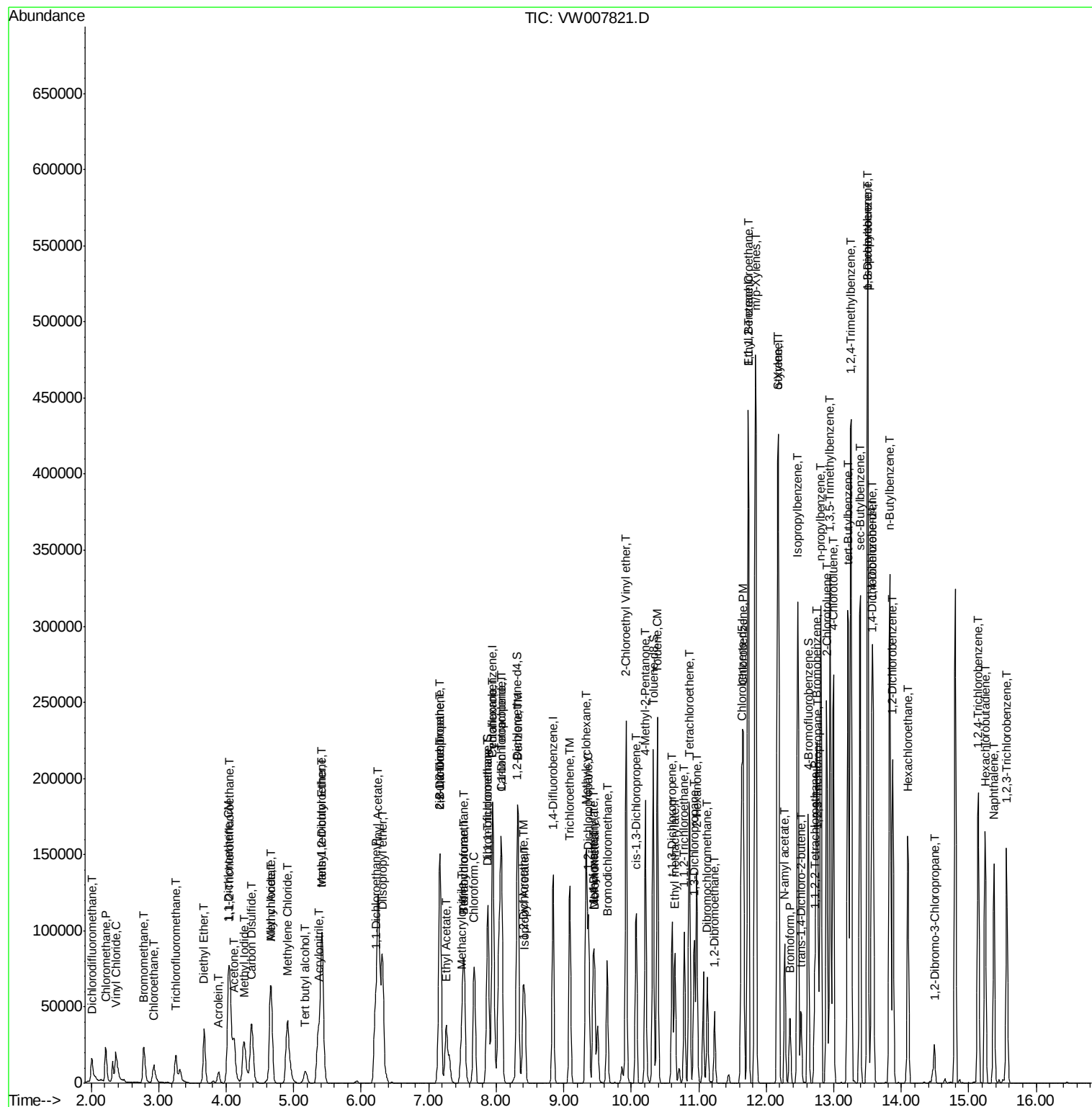
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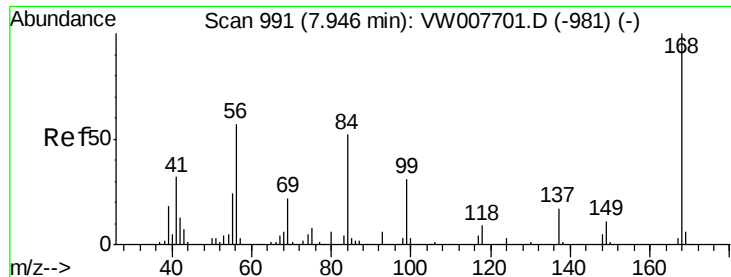
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 69977

Ion Ratio Lower Upper

168 100

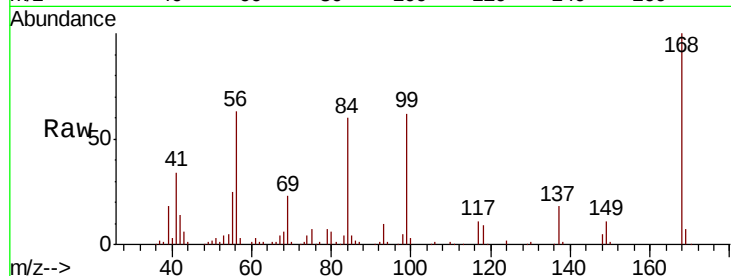
99 62.2 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

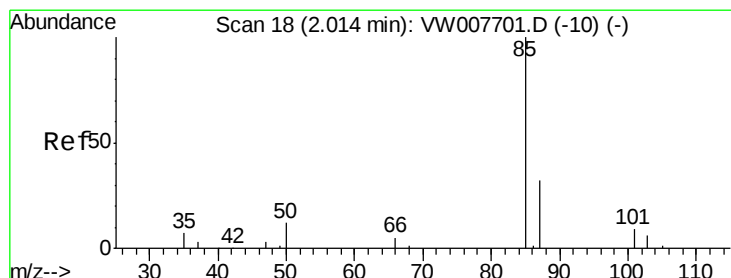
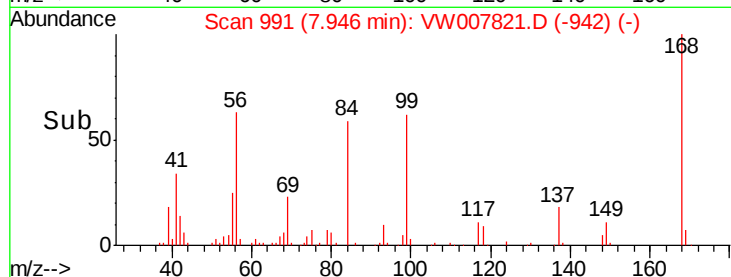
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 41.242 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007821.D

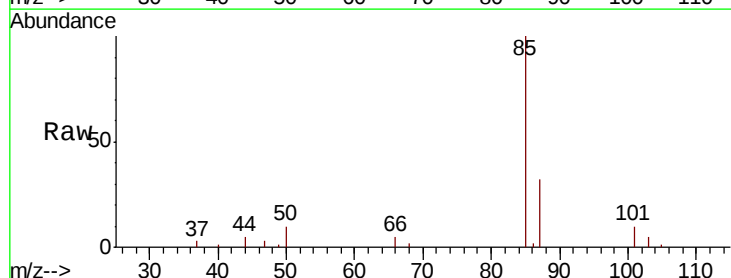
Acq: 22 Dec 2018 03:12

Tgt Ion: 85 Resp: 25656

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

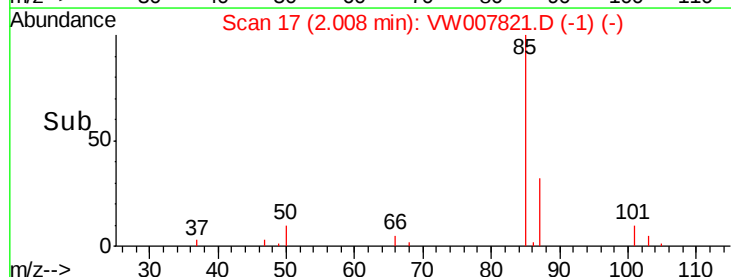
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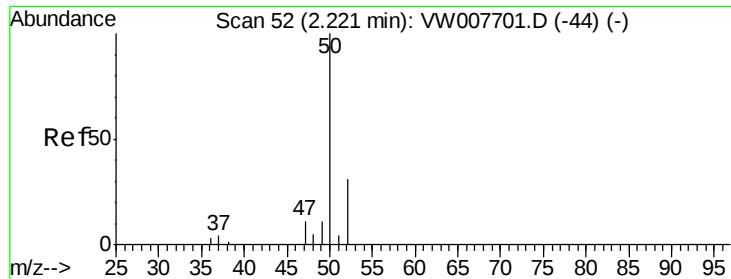
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 65.045 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 24847

Ion Ratio Lower Upper

50 100

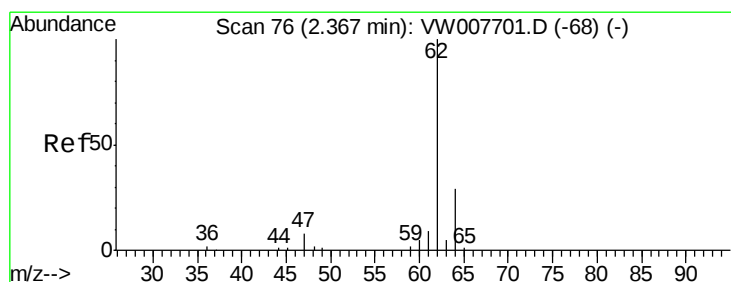
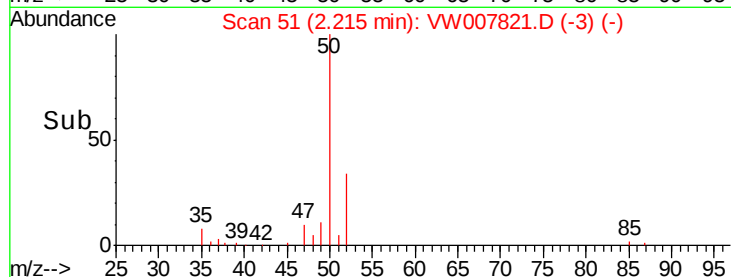
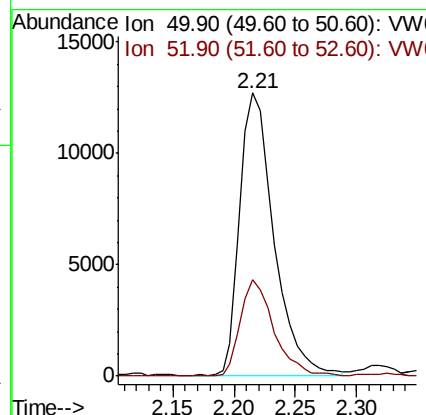
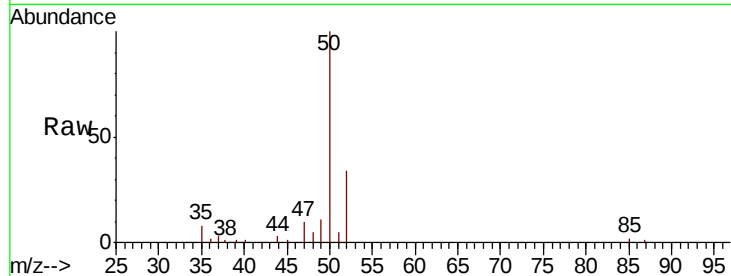
52 34.1 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 58.628 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007821.D

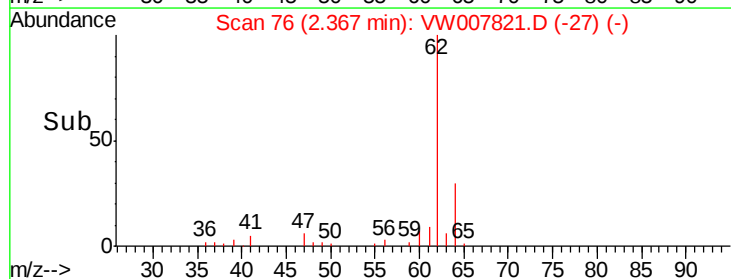
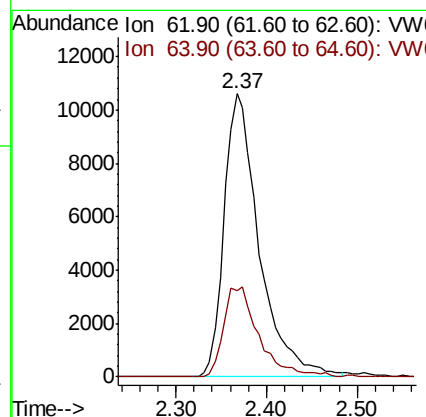
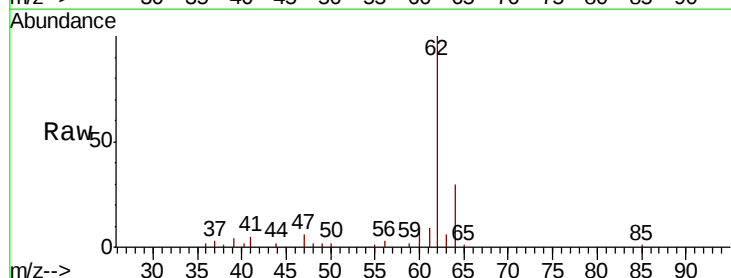
Acq: 22 Dec 2018 03:12

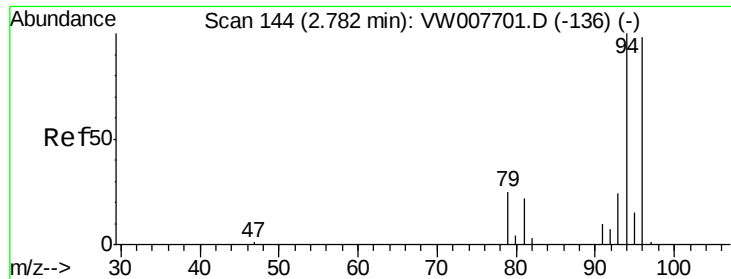
Tgt Ion: 62 Resp: 28509

Ion Ratio Lower Upper

62 100

64 30.4 23.4 35.0





#5

Bromomethane

Concen: 60.643 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 20539

Ion Ratio Lower Upper

94 100

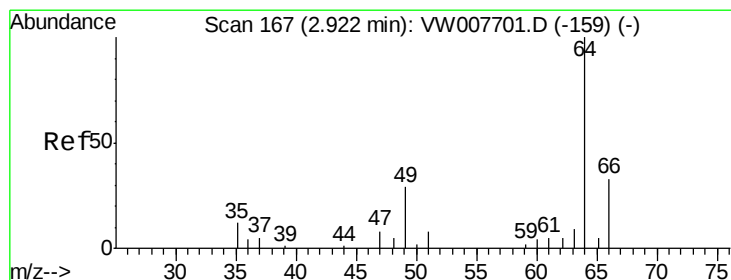
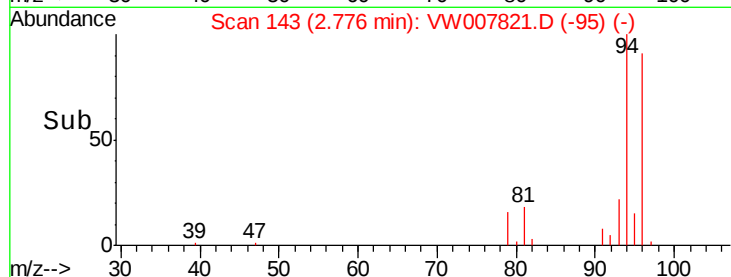
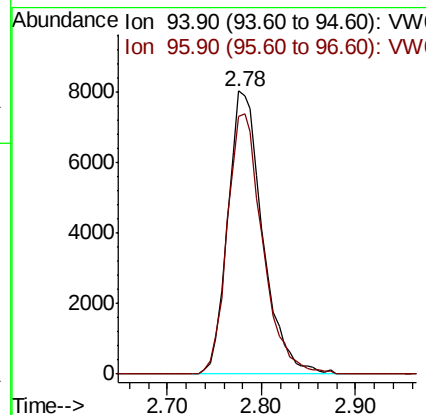
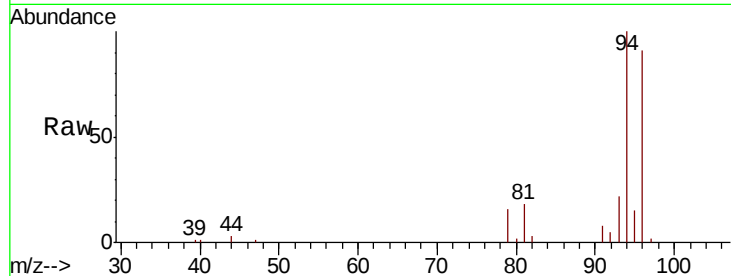
96 91.0 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 63.314 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007821.D

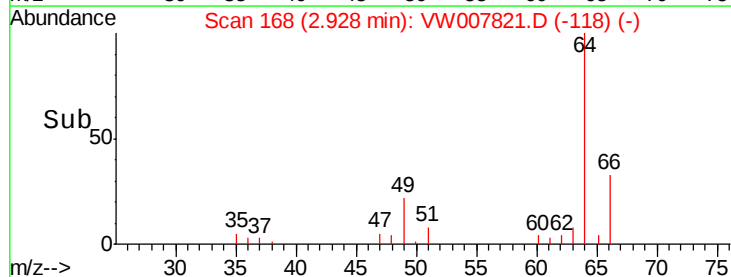
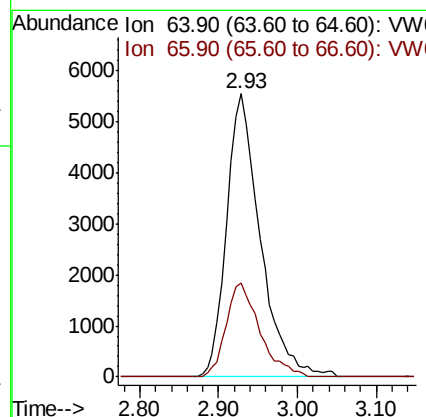
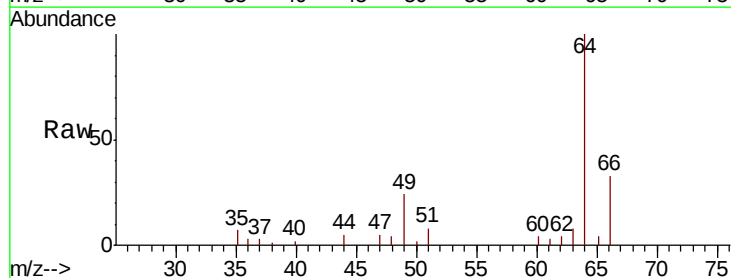
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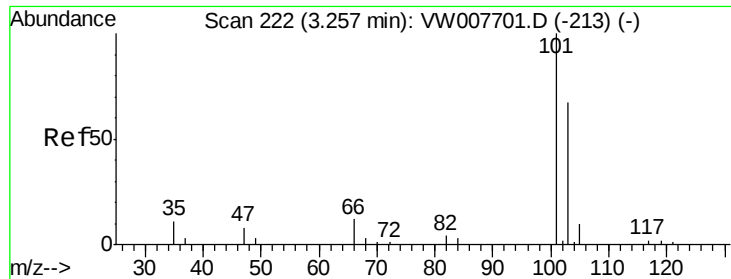
Tgt Ion: 64 Resp: 16471

Ion Ratio Lower Upper

64 100

66 33.0 26.2 39.4





#7

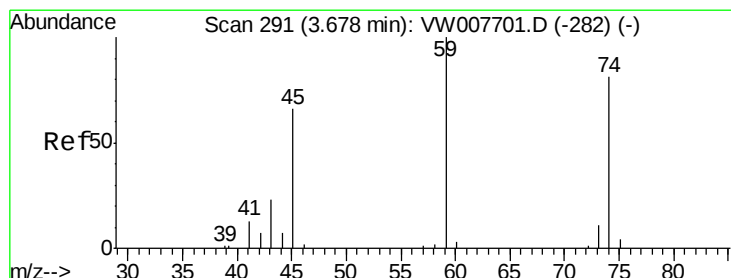
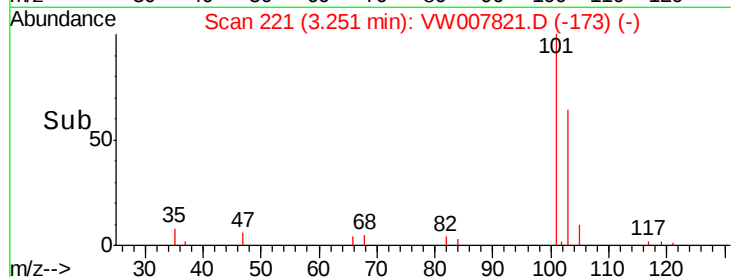
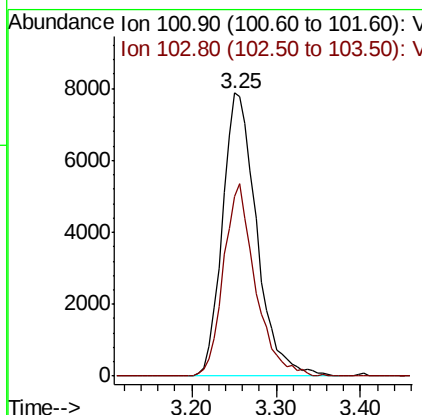
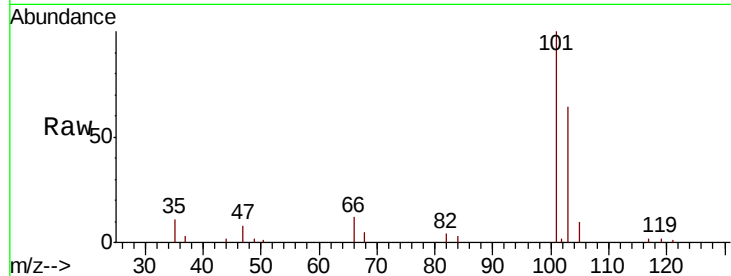
Trichlorofluoromethane
 Concen: 43.024 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 21781
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.4 80.2

Manual Integrations
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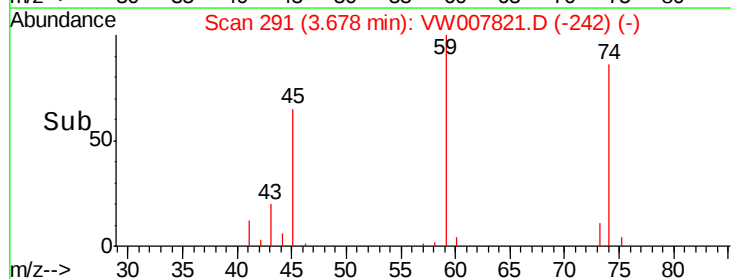
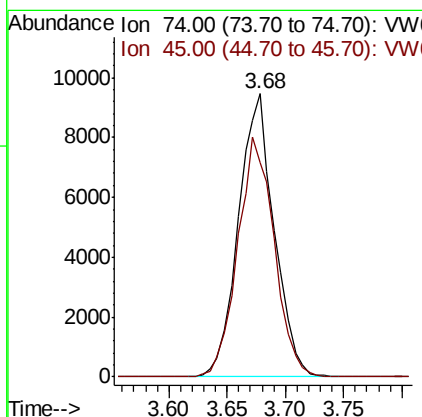
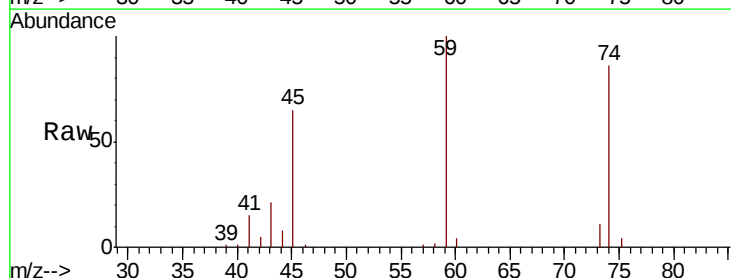
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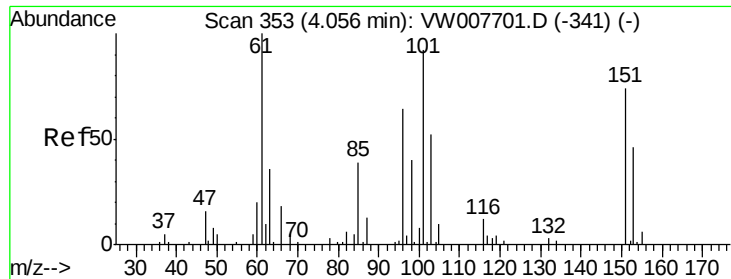


#8

Diethyl Ether
 Concen: 65.018 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion: 74 Resp: 20161
 Ion Ratio Lower Upper
 74 100
 45 86.6 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.296 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

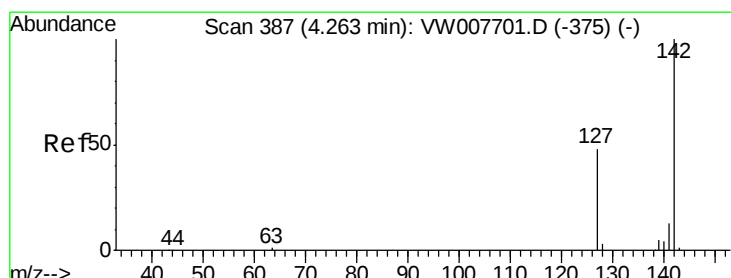
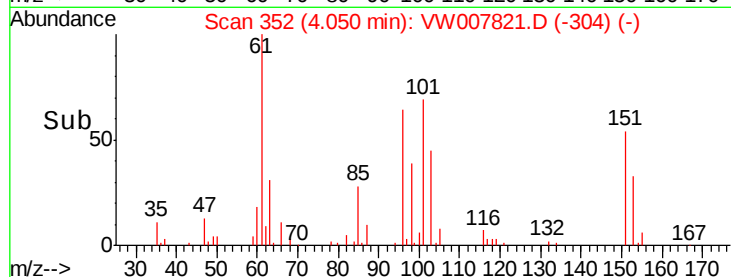
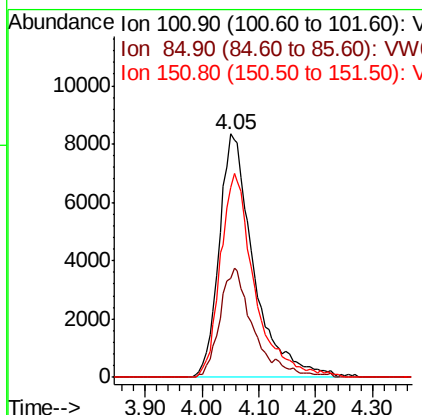
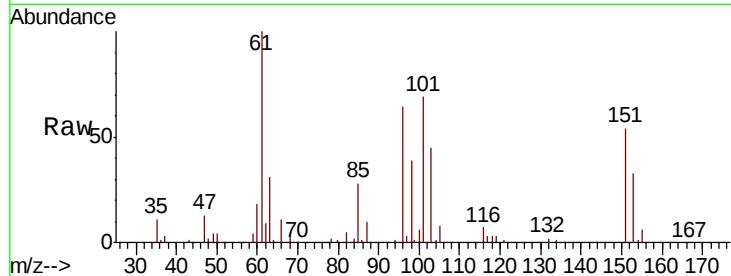
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	35263
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.3	51.5
151	81.7	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 51.436 ug/l

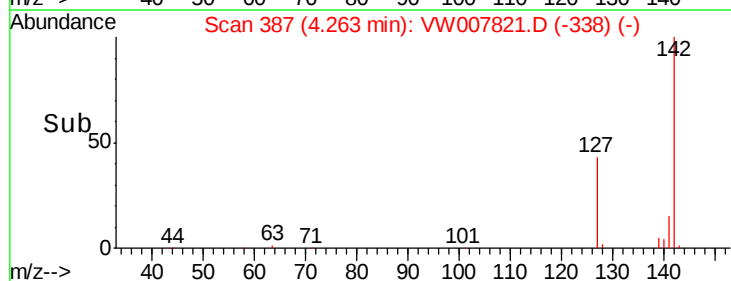
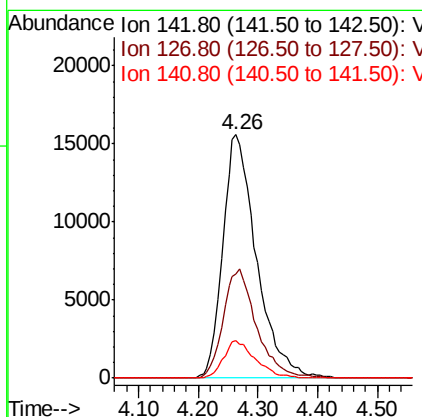
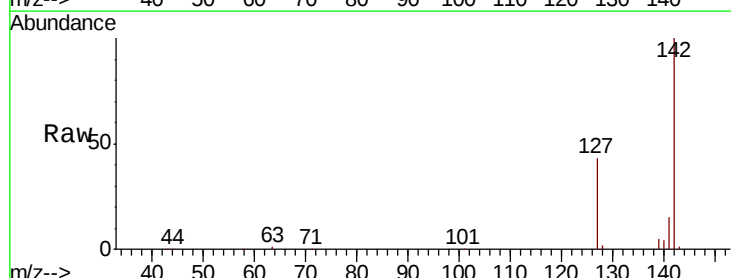
RT: 4.26 min Scan# 387

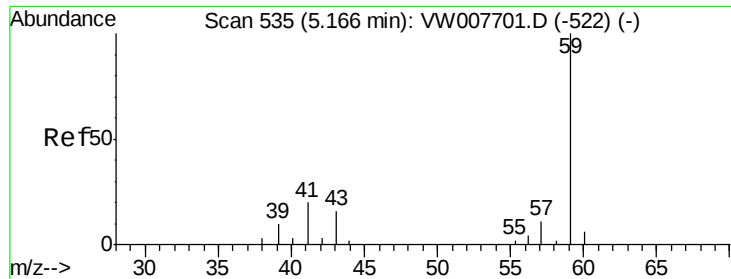
Delta R.T. -0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Tgt Ion:	142	Resp:	60987
Ion Ratio	Lower	Upper	
142	100		
127	44.2	37.7	56.5
141	14.7	11.5	17.3





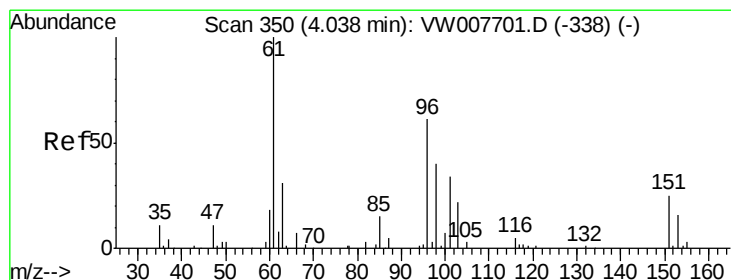
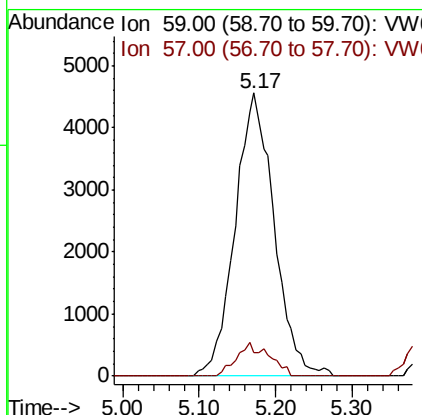
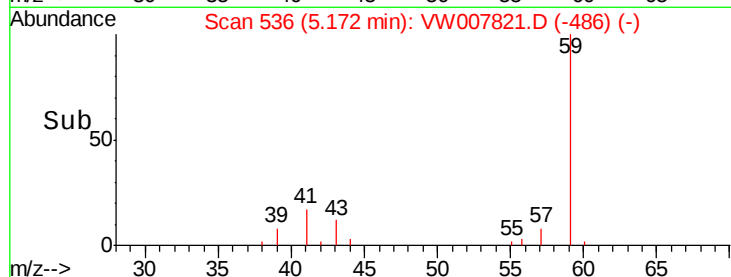
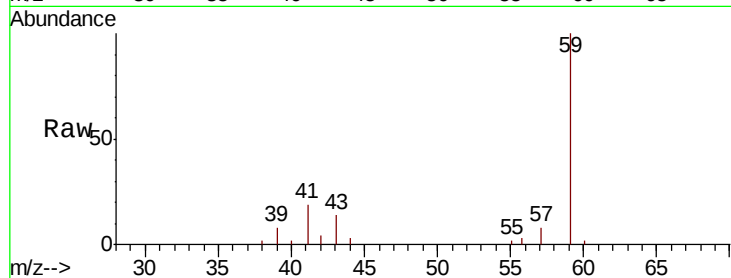
#11
Tert butyl alcohol
Concen: 312.531 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.8

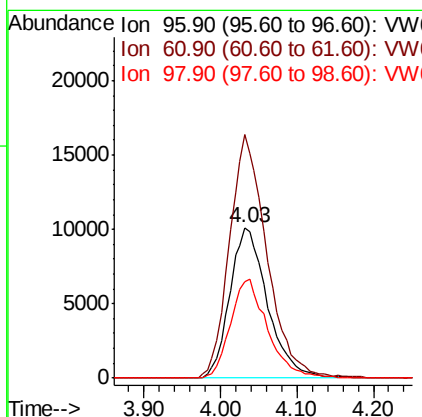
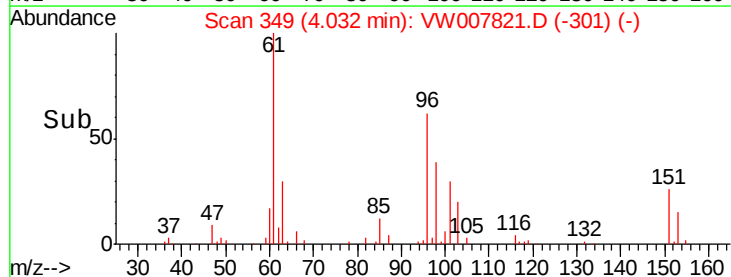
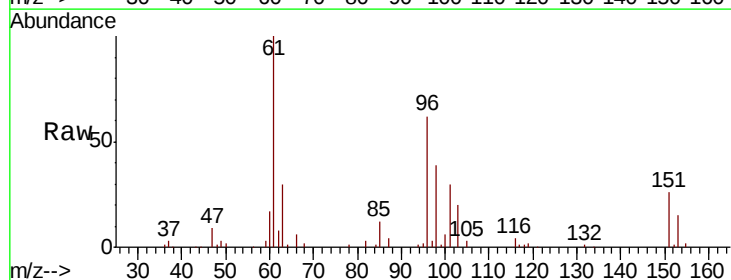
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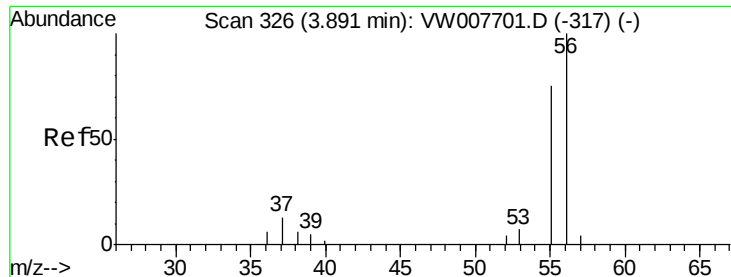
MMDadoda
12/26/2018 10:59:36 AM



#12
1,1-Dichloroethene
Concen: 50.034 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	130.6	195.8
98	63.9	52.3	78.5





#13

Acrolein

Concen: 205.351 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 8495

Ion Ratio Lower Upper

56 100

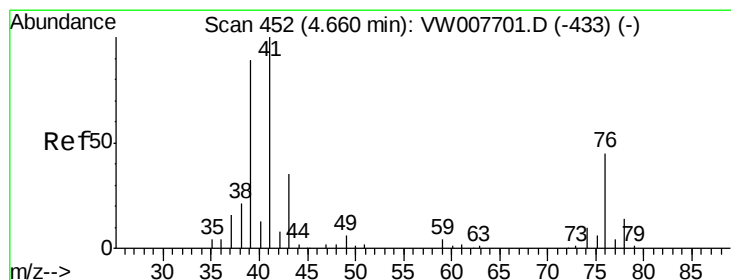
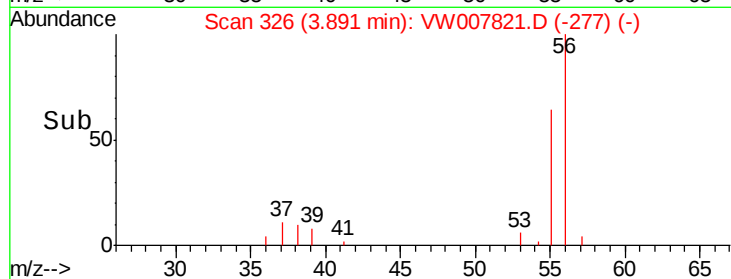
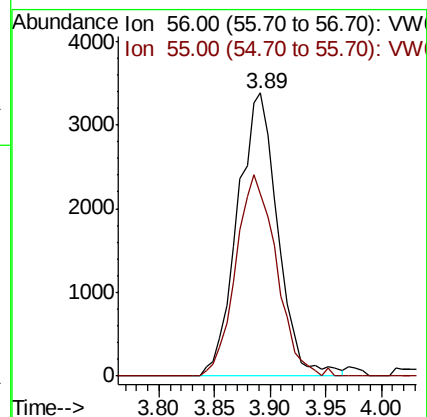
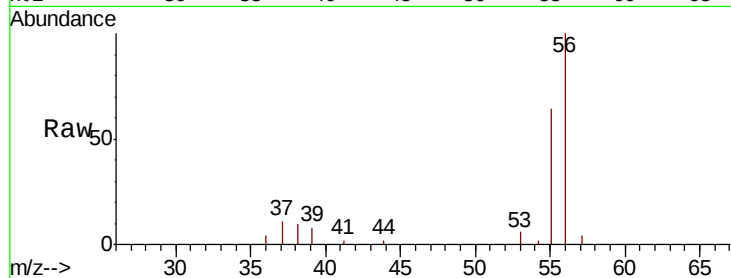
55 71.5 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 57.130 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

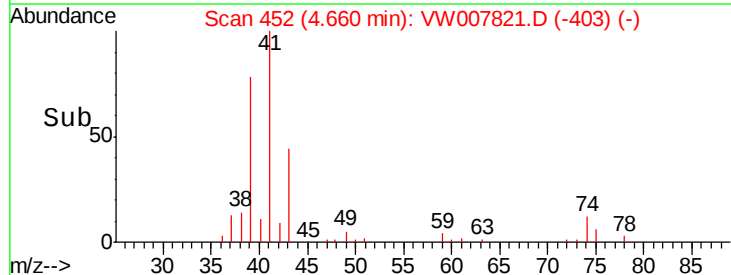
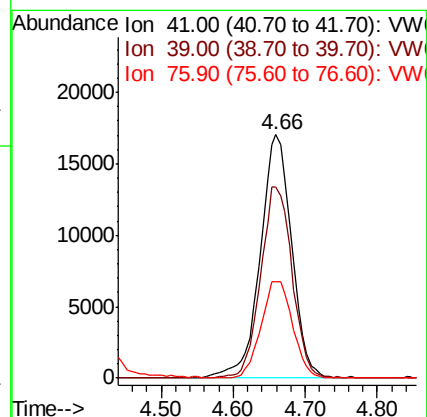
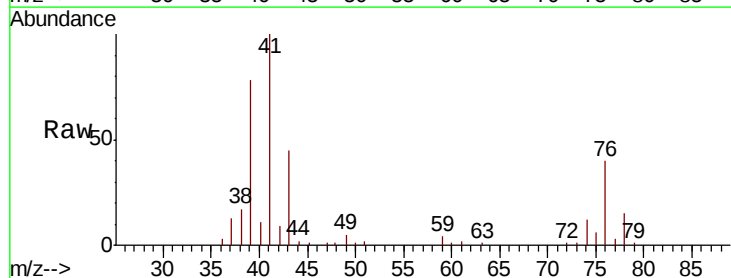
Tgt Ion: 41 Resp: 51724

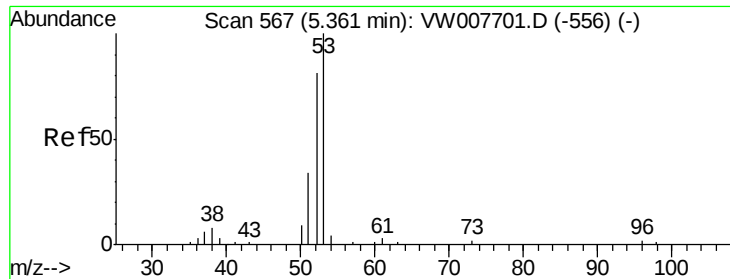
Ion Ratio Lower Upper

41 100

39 78.6 69.5 104.3

76 39.9 34.8 52.2





#15

Acrylonitrile

Concen: 315.178 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

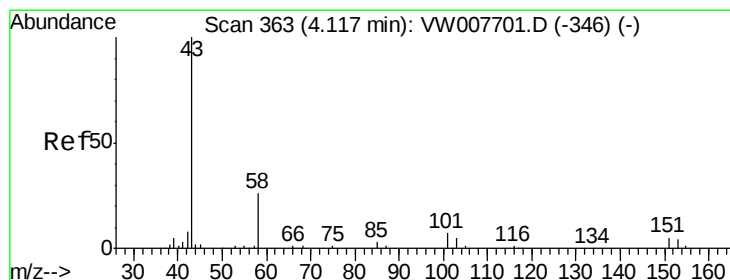
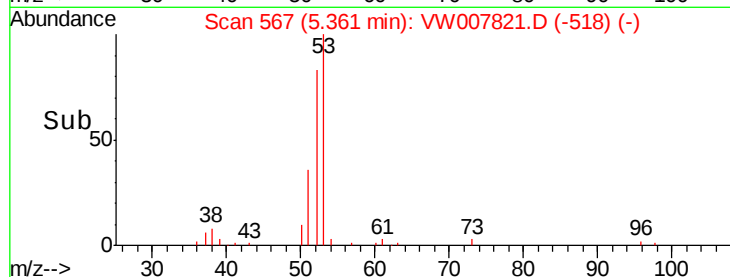
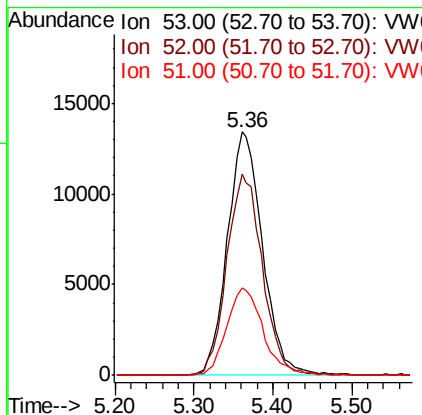
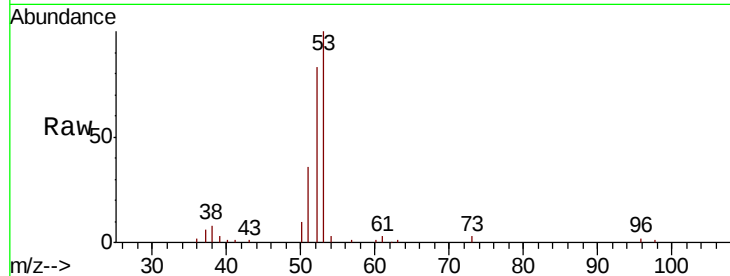
ClientSampleID :

VSTDCCC050EC

Tot Ion:	53	Resp:	41689
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.0	100.4
51	37.1	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 241.798 ug/l

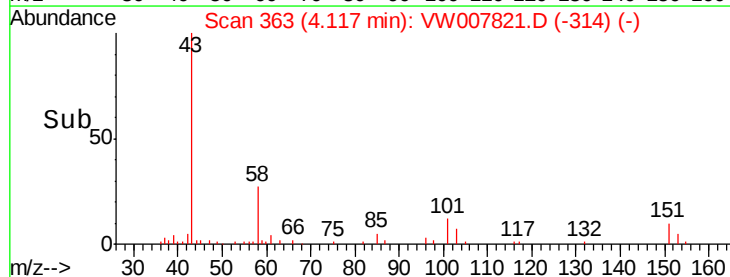
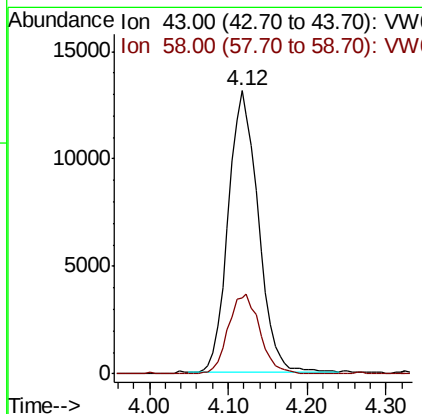
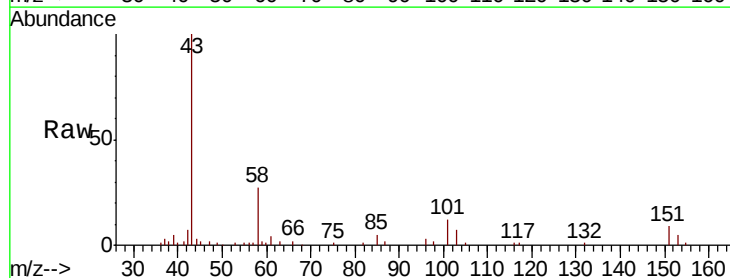
RT: 4.12 min Scan# 363

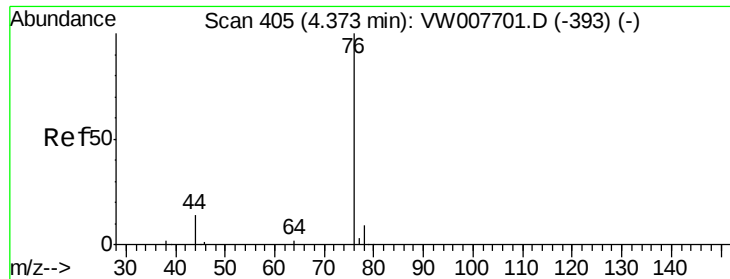
Delta R.T. 0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Tgt Ion:	43	Resp:	34728
Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.2	31.8





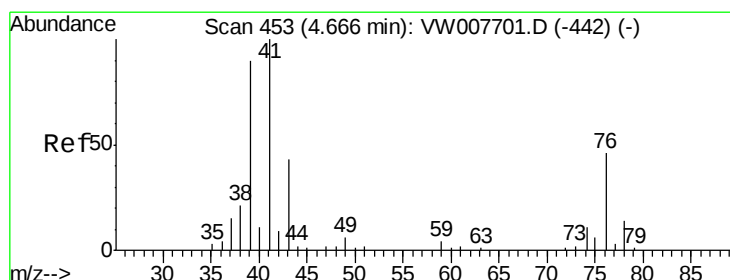
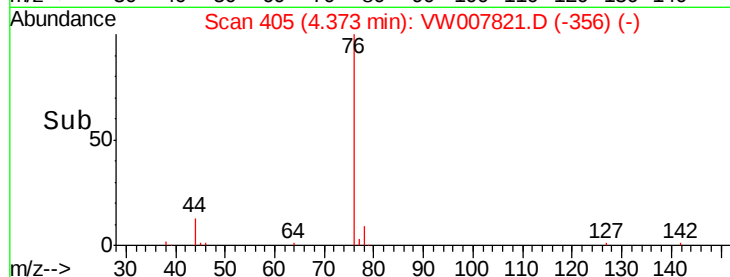
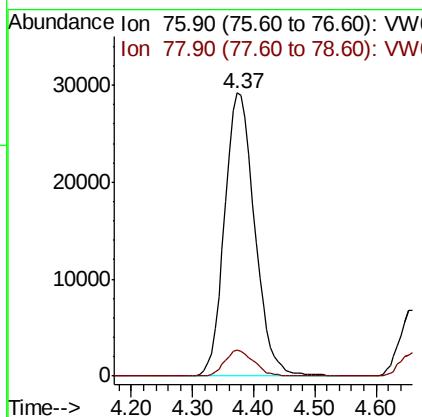
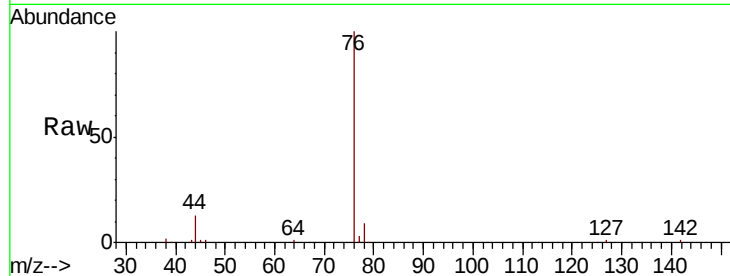
#17
Carbon Disulfide
Concen: 46.492 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

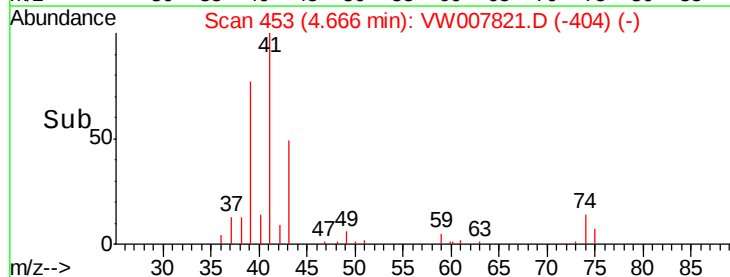
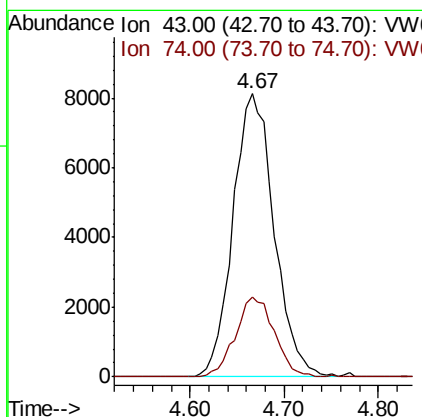
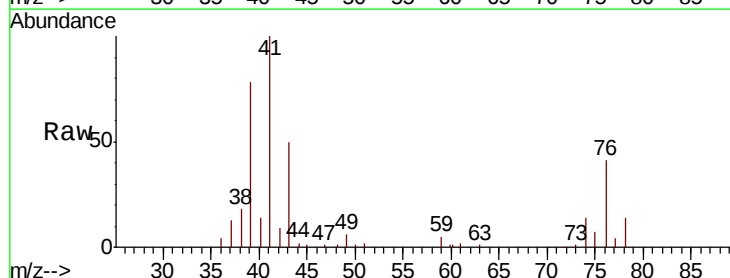
Manual Integrations
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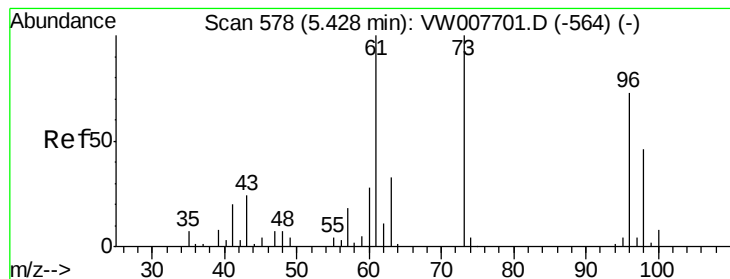
MMDadoda
12/26/2018 10:59:36 AM



#18
Methyl Acetate
Concen: 72.413 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	22.7	34.1





#19

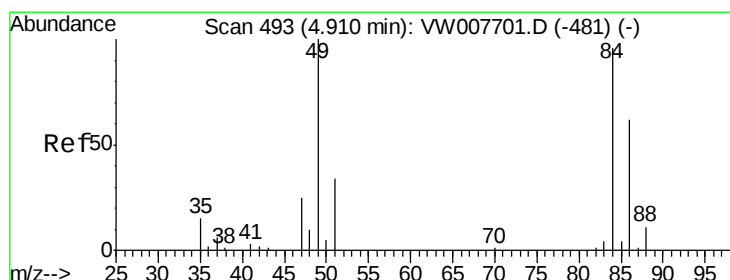
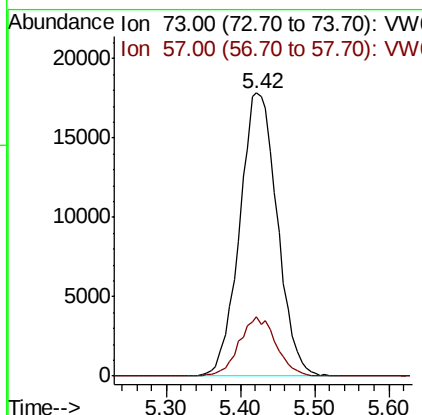
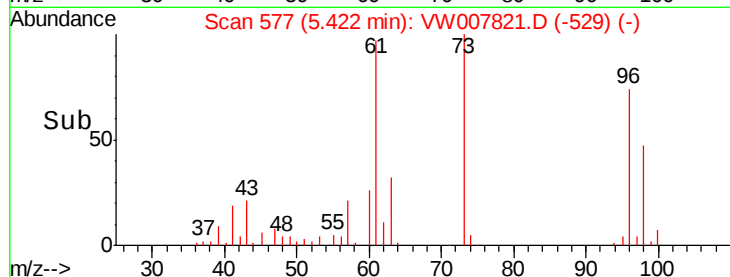
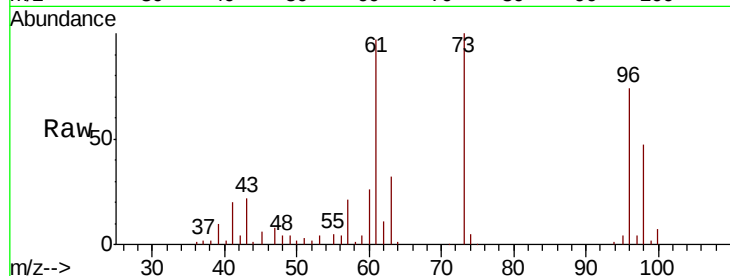
Methyl tert-butyl Ether
 Concen: 63.586 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 63025
 Ion Ratio Lower Upper
 73 100
 57 21.1 14.7 22.1

Manual Integrations
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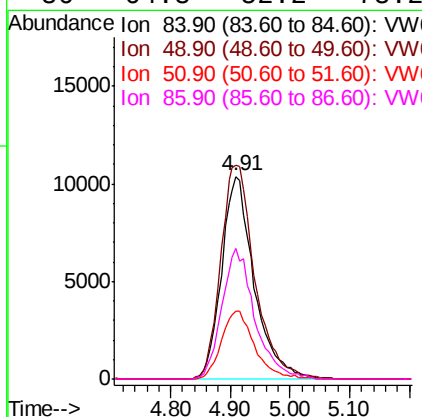
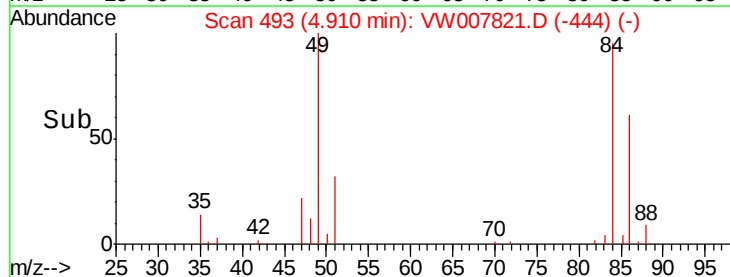
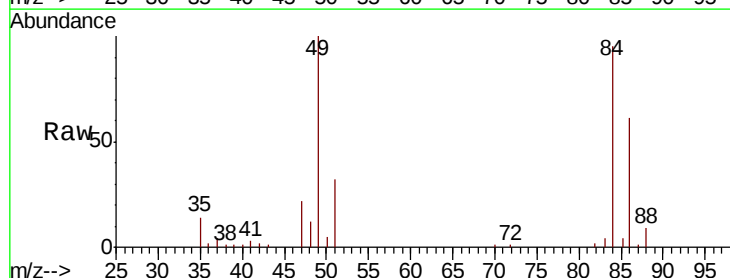
MMDadoda
 12/26/2018 10:59:36 AM

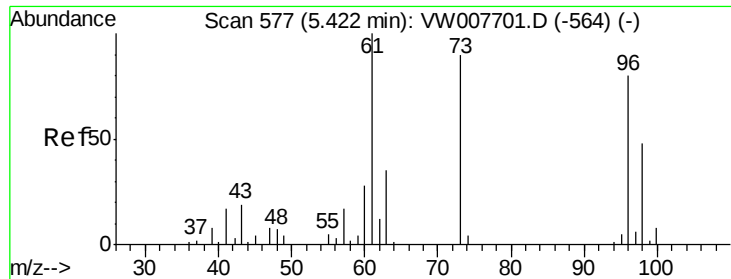


#20

Methylene Chloride
 Concen: 55.321 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion: 84 Resp: 39253
 Ion Ratio Lower Upper
 84 100
 49 105.6 83.7 125.5
 51 33.8 28.2 42.2
 86 64.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 53.020 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 40259

Ion Ratio Lower Upper

96 100

61 138.1 100.1 150.1

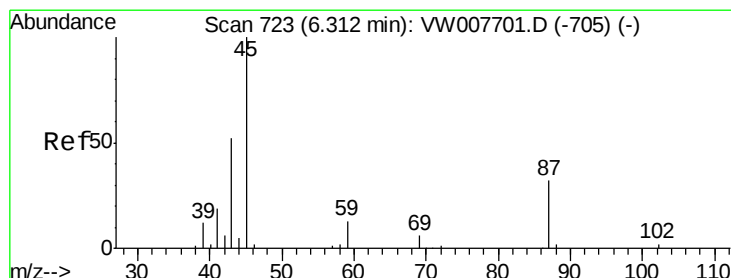
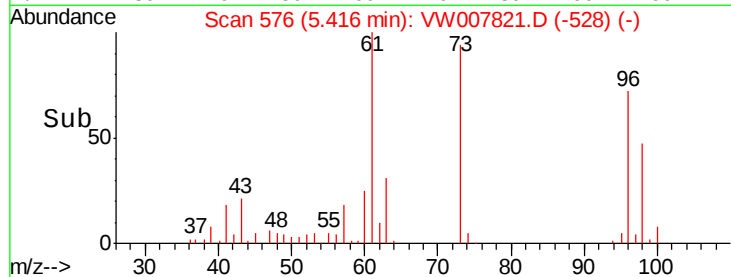
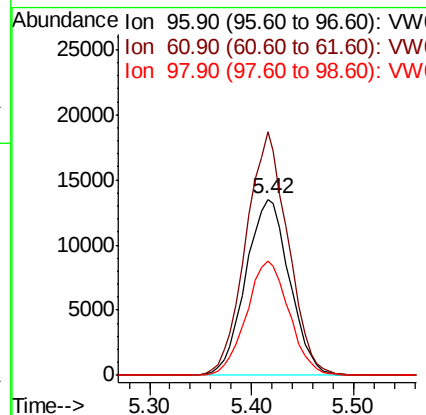
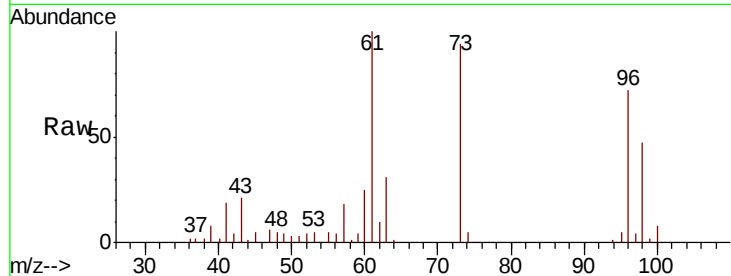
98 64.7 48.5 72.7

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#22

Diisopropyl ether

Concen: 61.111 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Tgt Ion: 45 Resp: 103600

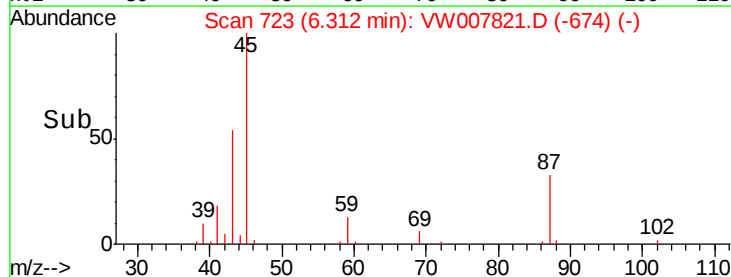
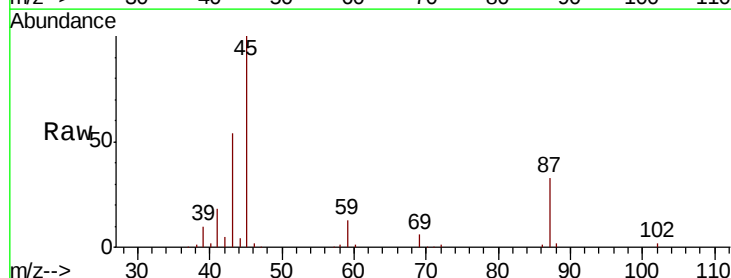
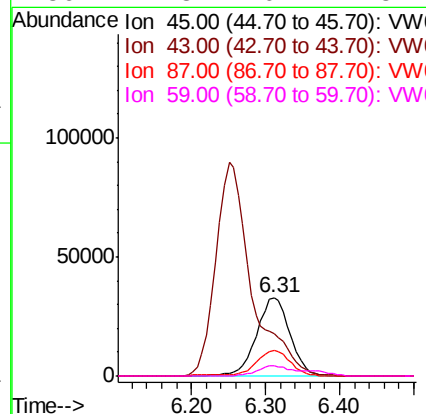
Ion Ratio Lower Upper

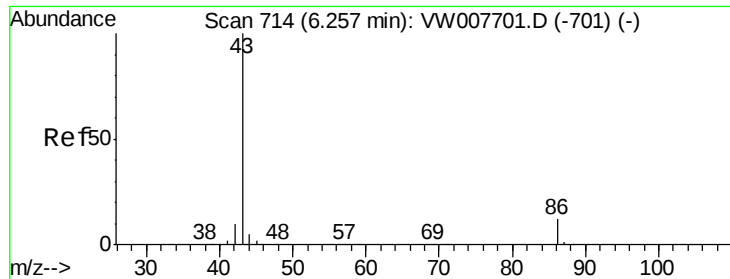
45 100

43 53.5 43.7 65.5

87 32.8 26.6 40.0

59 12.8 10.2 15.2





#23

Vinyl Acetate

Concen: 298.724 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 300880

Ion Ratio Lower Upper

43 100

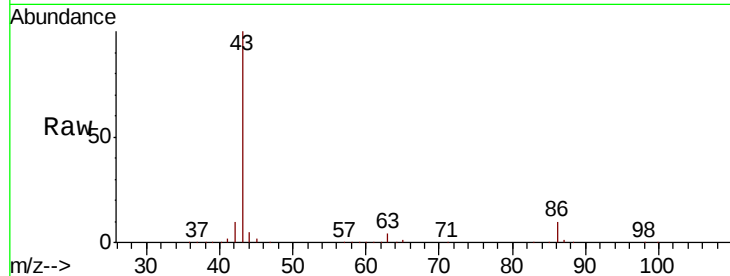
86 10.5 9.6 14.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

100000

80000

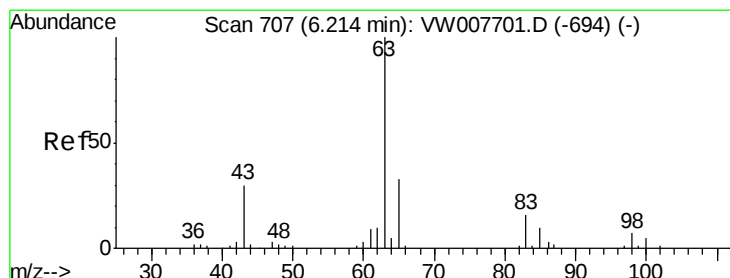
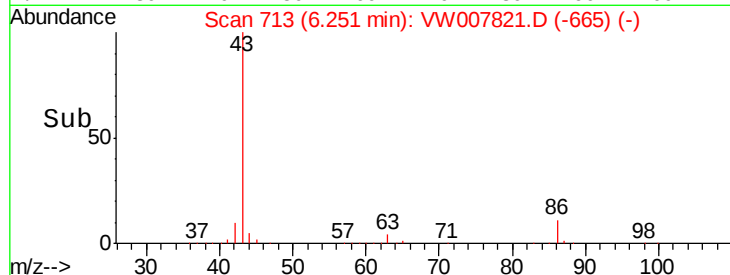
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.817 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

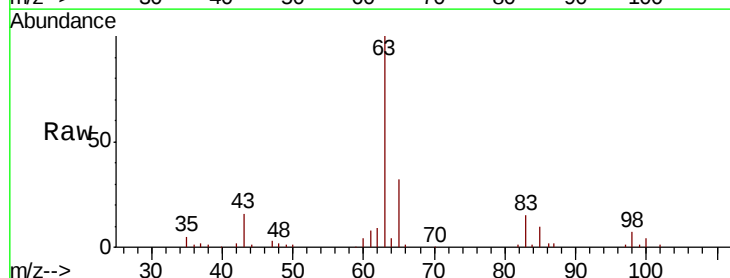
Tgt Ion: 63 Resp: 69612

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.3 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

30000

25000

20000

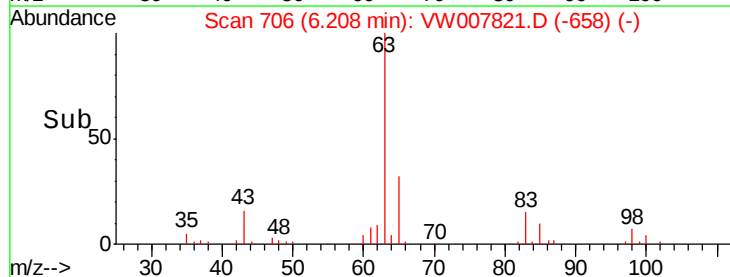
15000

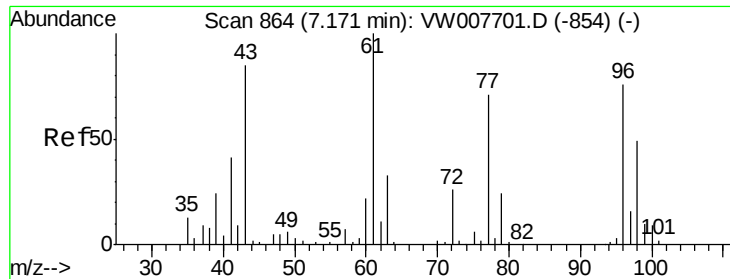
10000

5000

0

Time-->





#25

2-Butanone

Concen: 298.539 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 50222

Ion Ratio Lower Upper

43 100

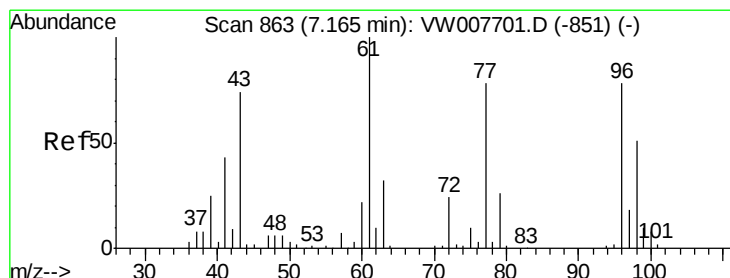
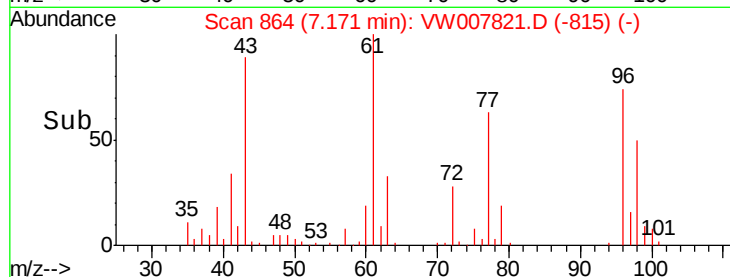
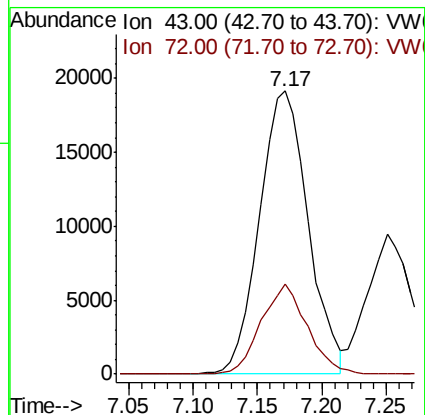
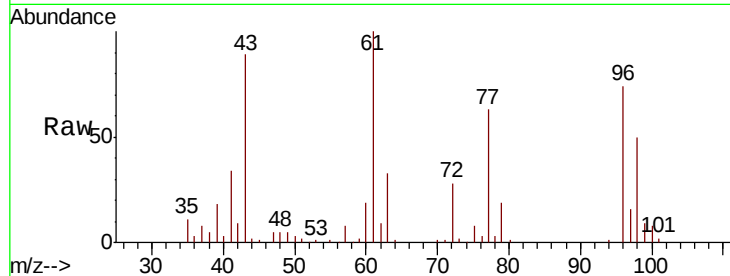
72 31.6 24.5 36.7

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#26

2,2-Dichloropropane

Concen: 45.295 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007821.D

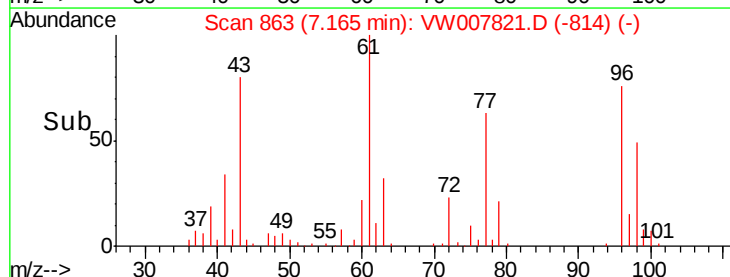
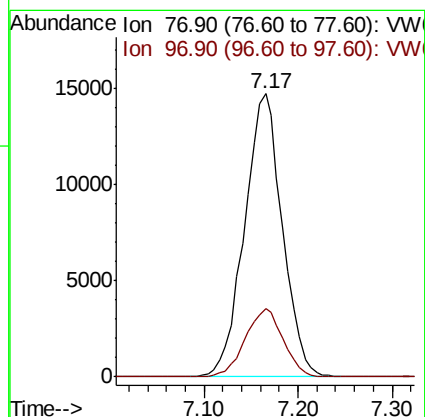
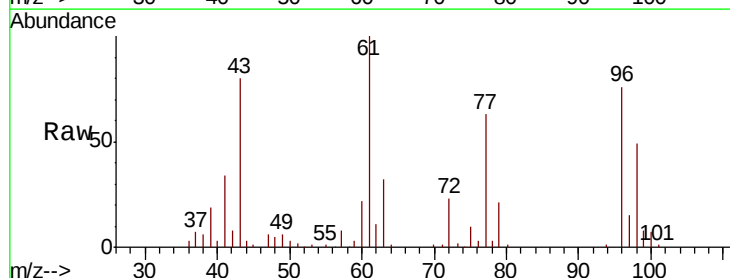
Acq: 22 Dec 2018 03:12

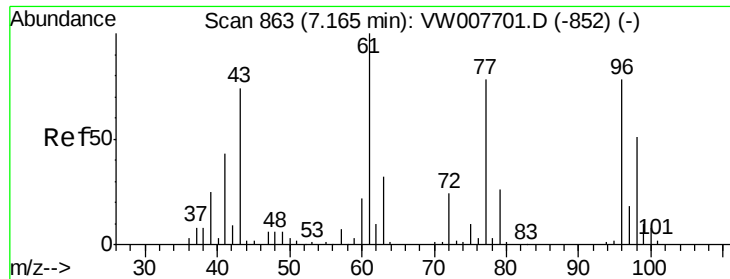
Tgt Ion: 77 Resp: 41337

Ion Ratio Lower Upper

77 100

97 24.1 11.3 33.9





#27

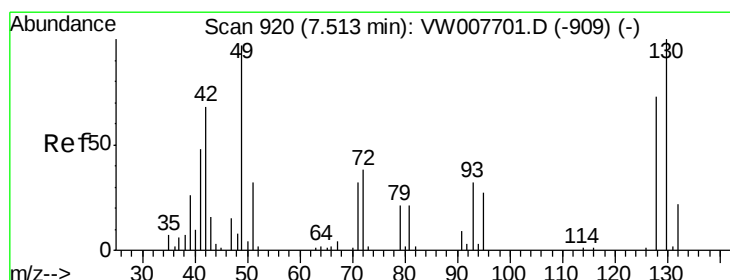
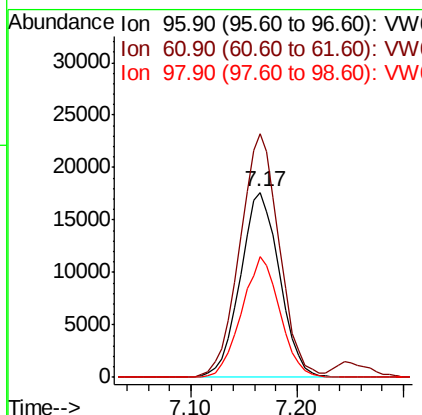
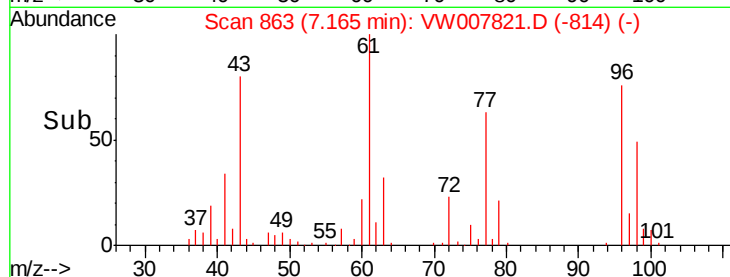
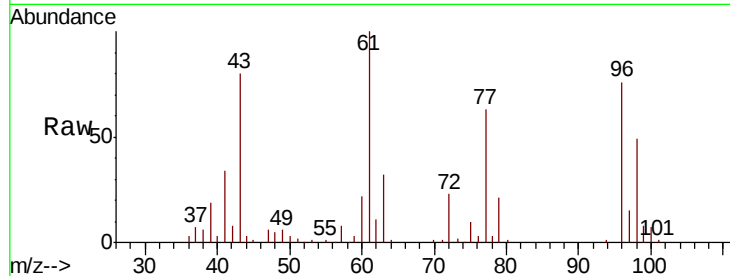
cis-1,2-Dichloroethene
Concen: 56.432 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	271.6
98	63.3	0.0	131.2

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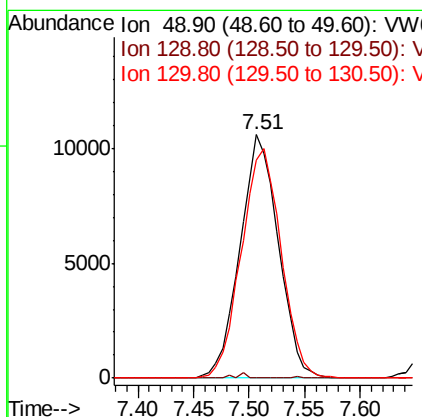
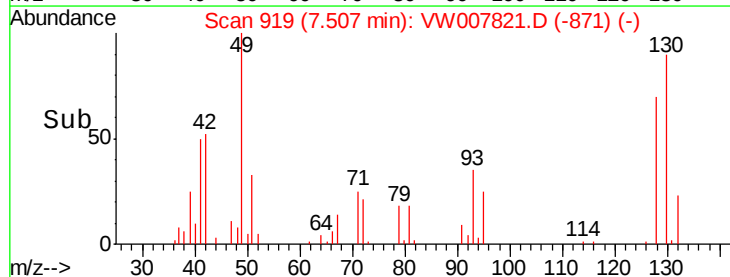
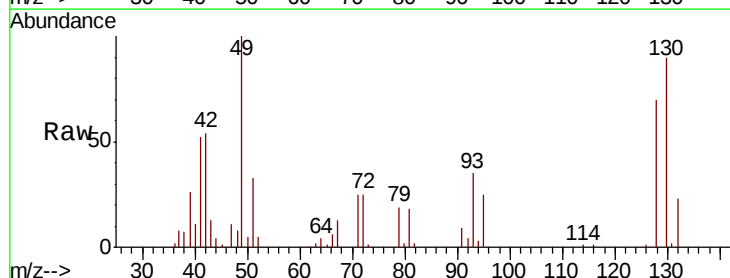
MMDadoda
12/26/2018 10:59:36 AM

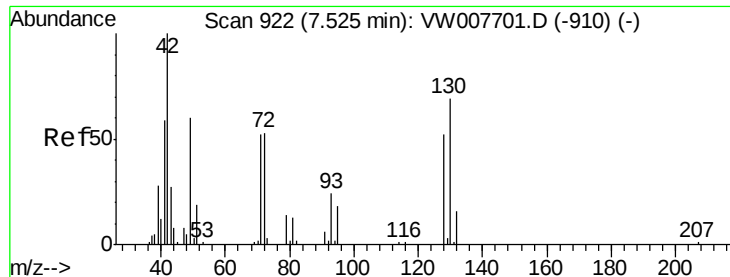


#28

Bromochloromethane
Concen: 59.816 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.2
130	97.8	81.5	122.3





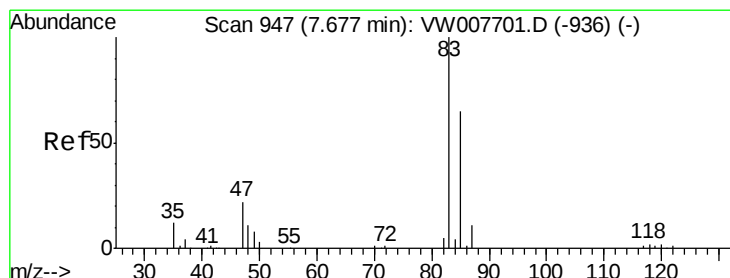
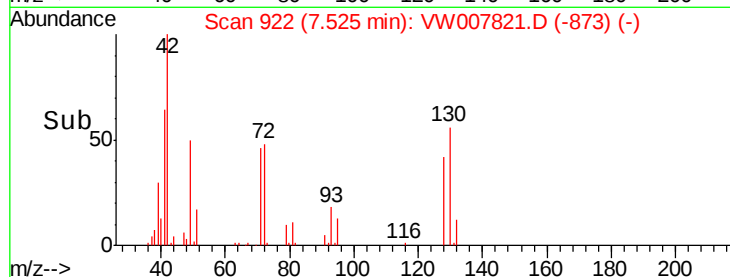
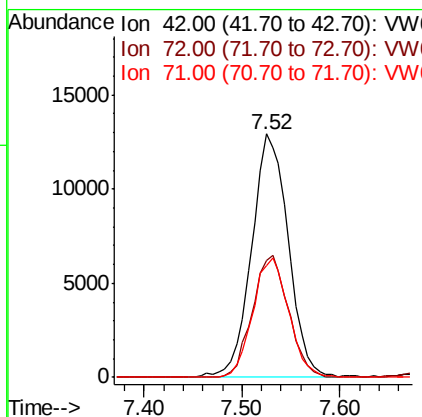
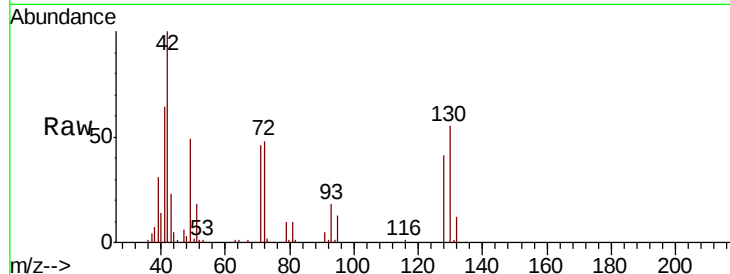
#29
Tetrahydrofuran
Concen: 335.057 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	41.7	62.5
71	48.0	39.0	58.6

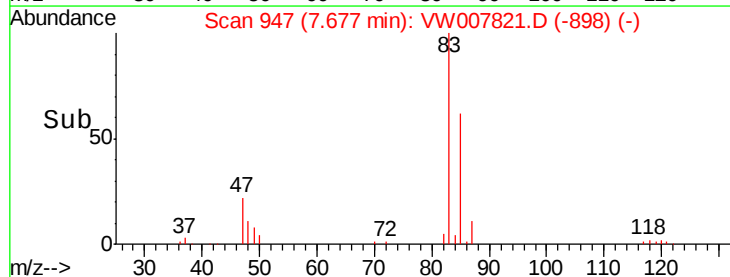
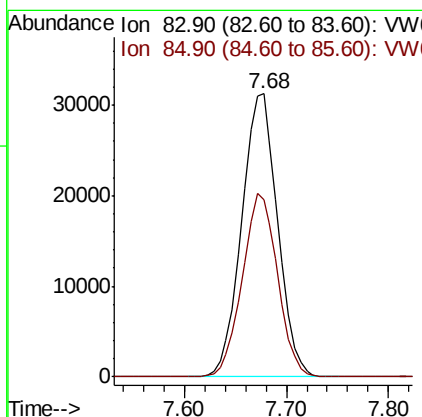
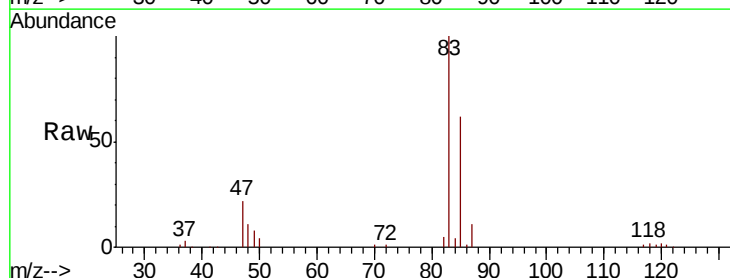
Manual Integrations
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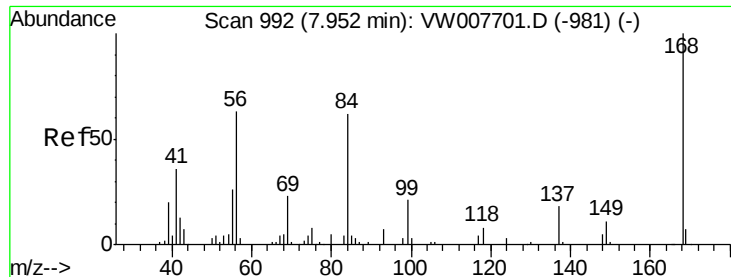
MMDadoda
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#30
Chloroform
Concen: 54.089 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.2	78.2





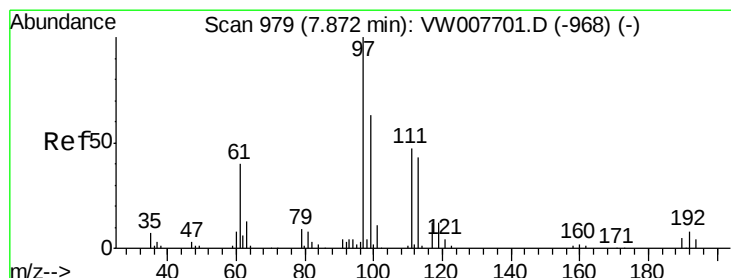
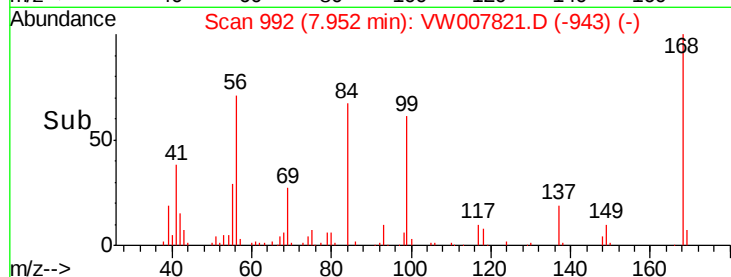
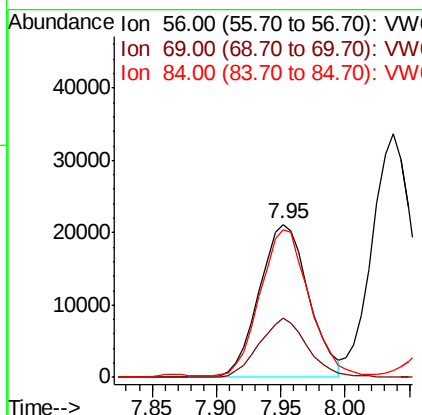
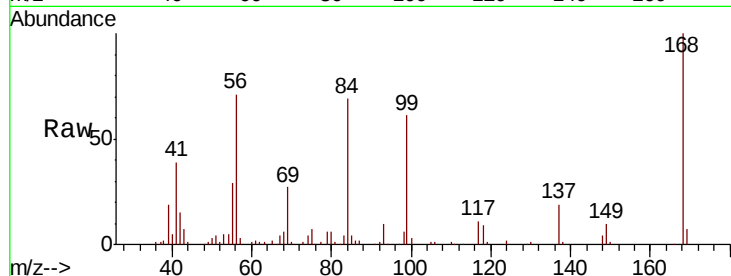
#31
Cyclohexane
Concen: 49.471 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	29.7	44.5
84	95.0	78.9	118.3

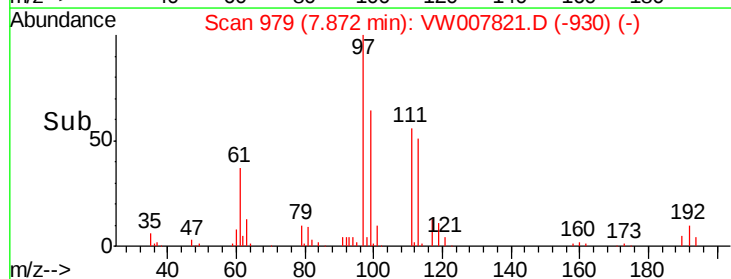
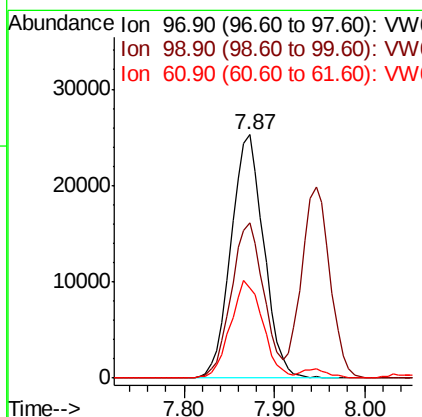
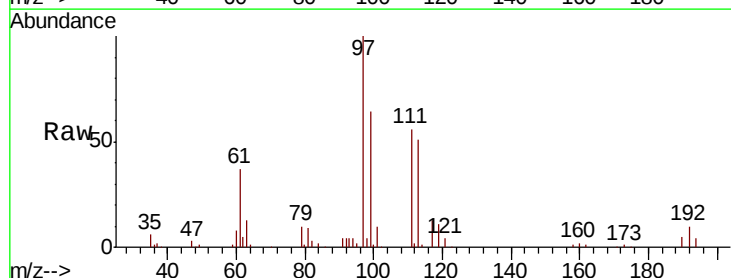
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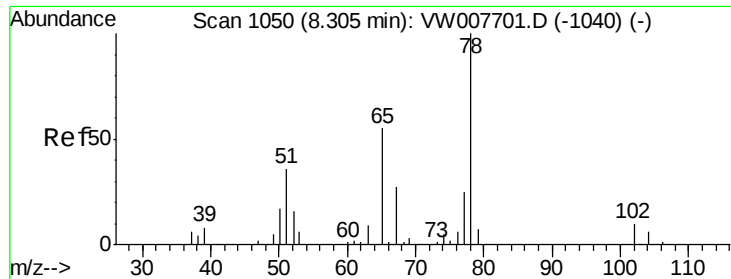
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#32
1,1,1-Trichloroethane
Concen: 49.143 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.6	76.0
61	39.7	32.3	48.5





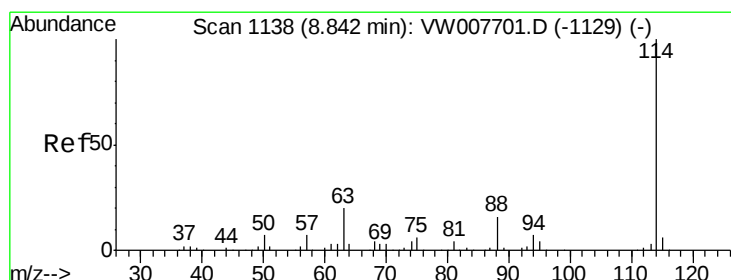
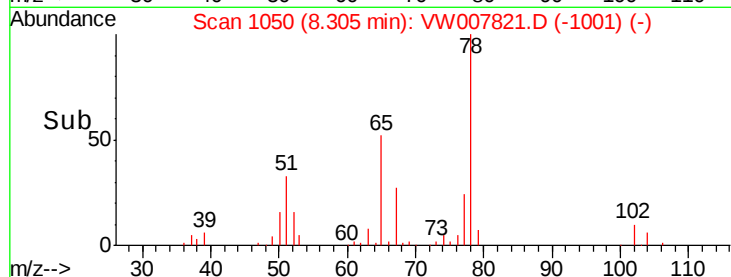
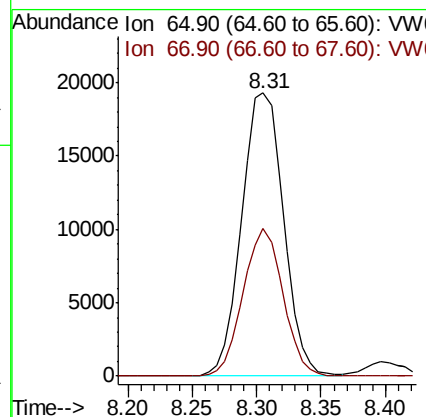
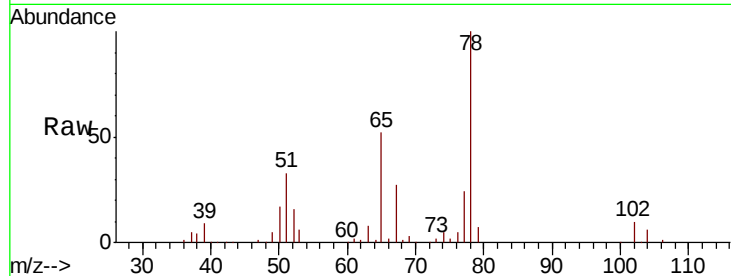
#33
 1,2-Dichloroethane-d4
 Concen: 56.745 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	43522		
67	49.5	0.0	100.6	

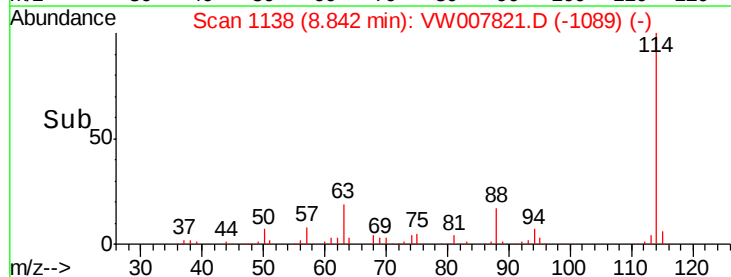
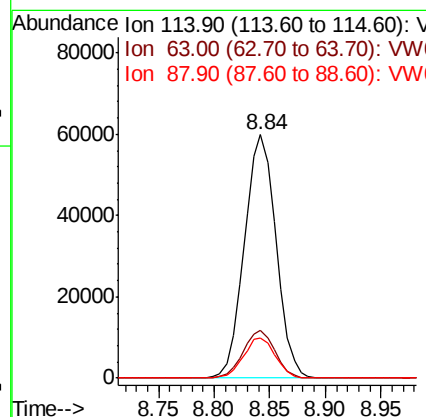
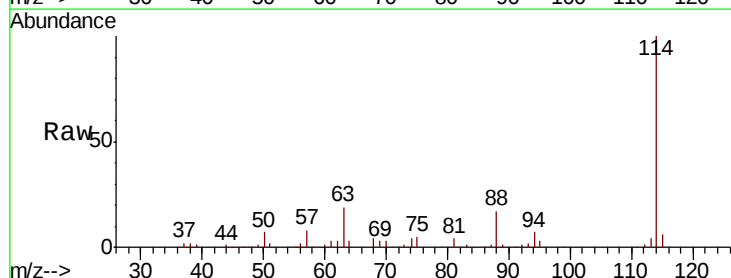
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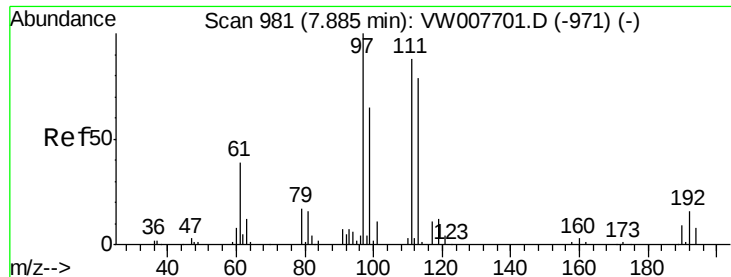
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	118062		
63	19.4	0.0	40.0	
88	16.6	0.0	32.6	





#35

Dibromofluoromethane

Concen: 53.711 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 38685

Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

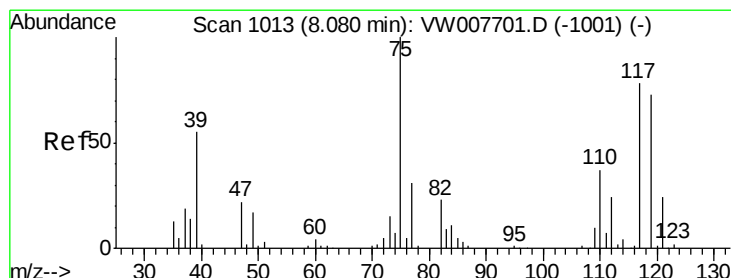
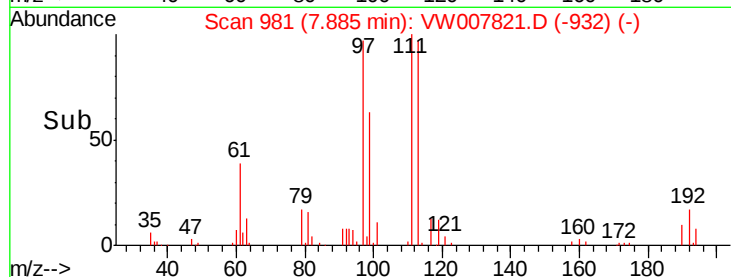
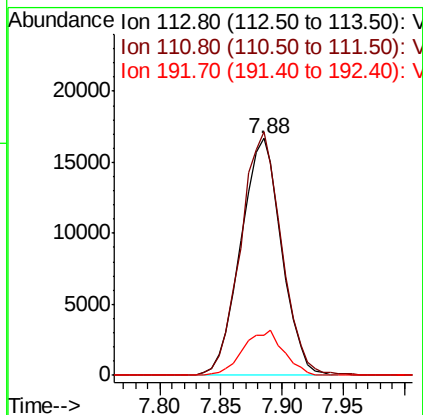
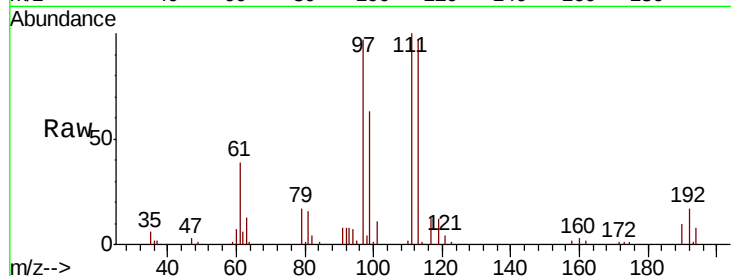
192 19.0 15.5 23.3

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 48.959 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

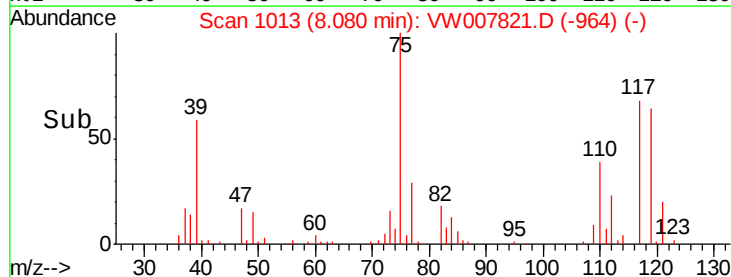
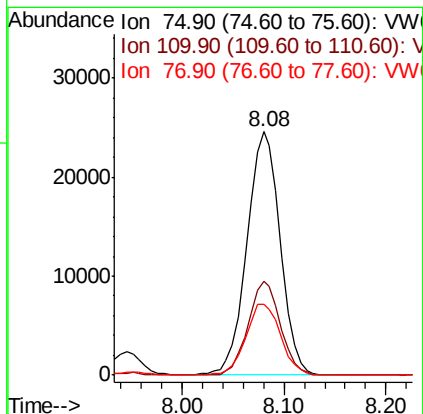
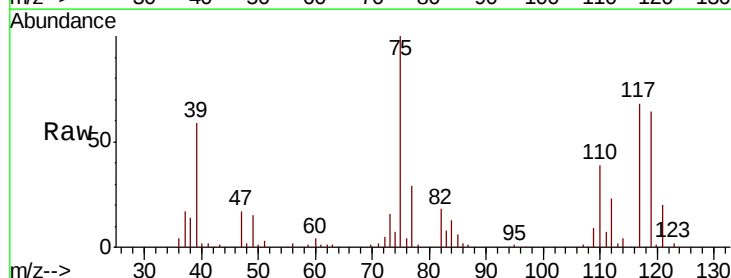
Tgt Ion: 75 Resp: 55789

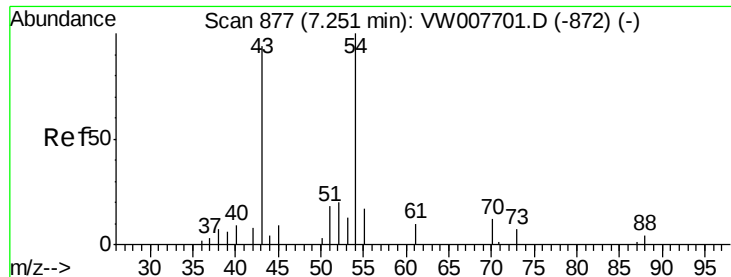
Ion Ratio Lower Upper

75 100

110 37.3 18.6 55.8

77 30.5 25.0 37.4





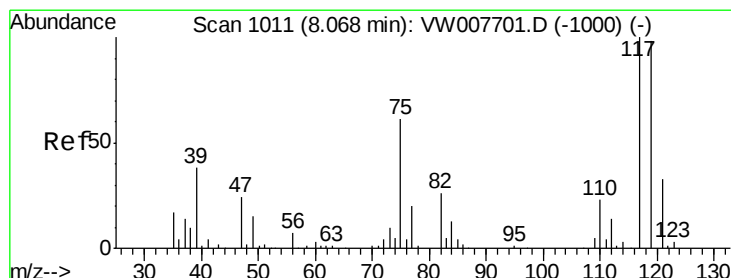
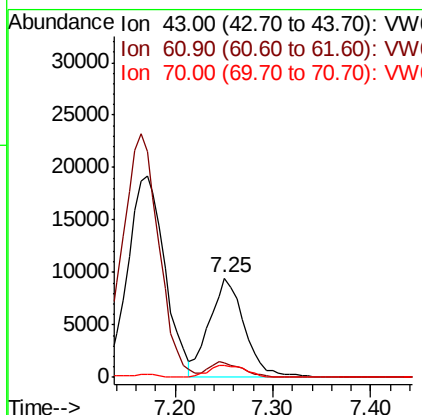
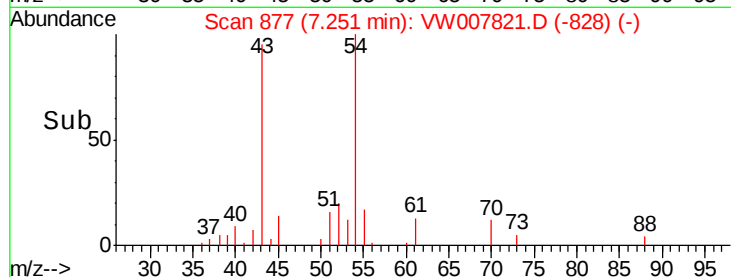
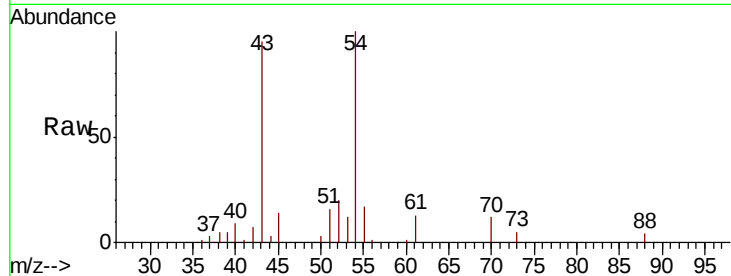
#37
Ethyl Acetate
Concen: 60.064 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.2	16.8
70	12.5	9.3	13.9

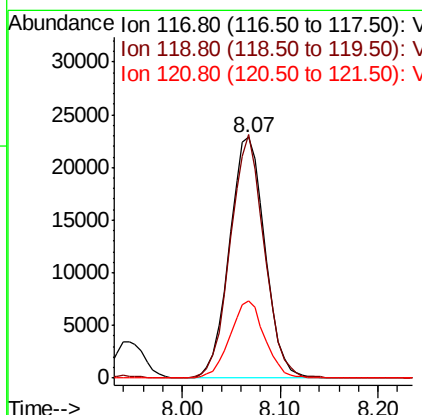
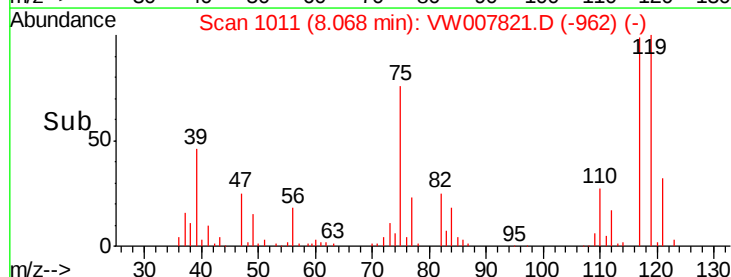
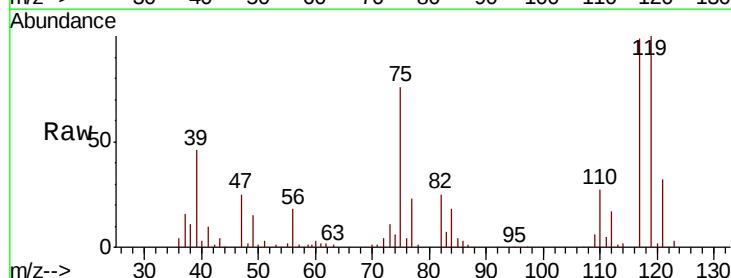
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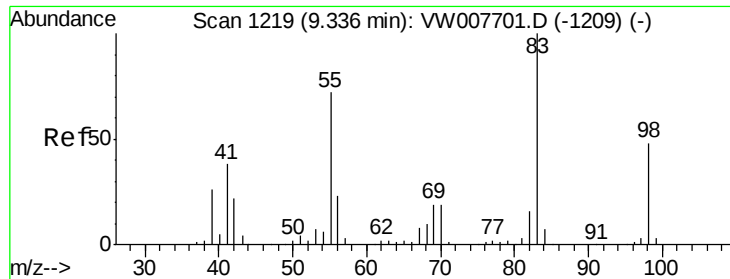
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12/26/2018 10:59:36 AM



#38
Carbon Tetrachloride
Concen: 42.846 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.3	78.2	117.2
121	32.0	26.1	39.1





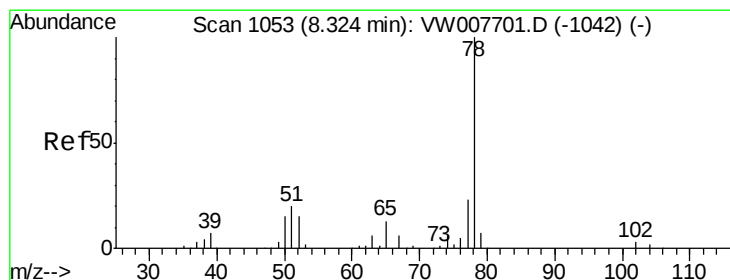
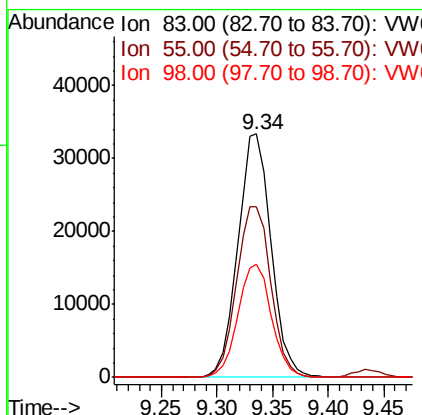
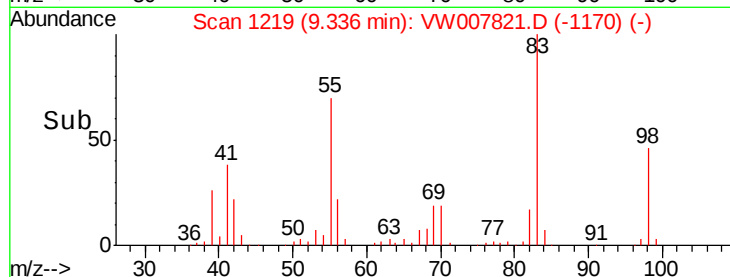
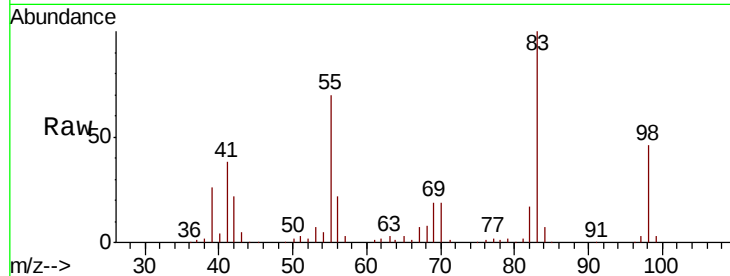
#39
Methvlcvclohexane
Concen: 48.707 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	57.2	85.8
98	46.2	38.6	58.0

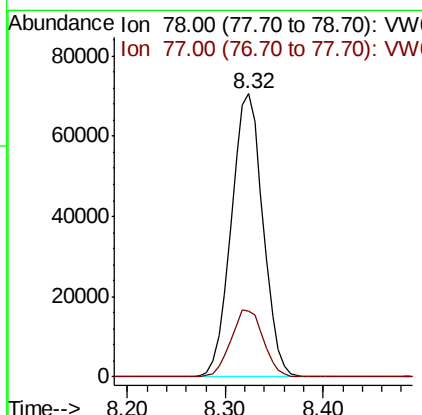
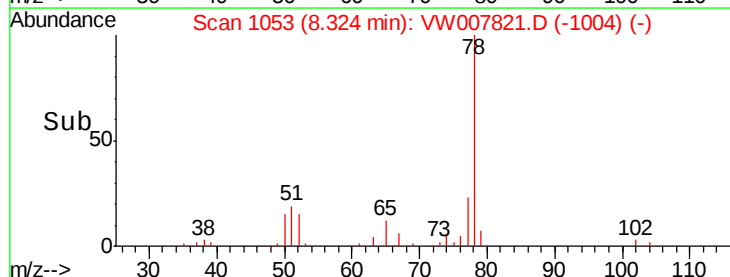
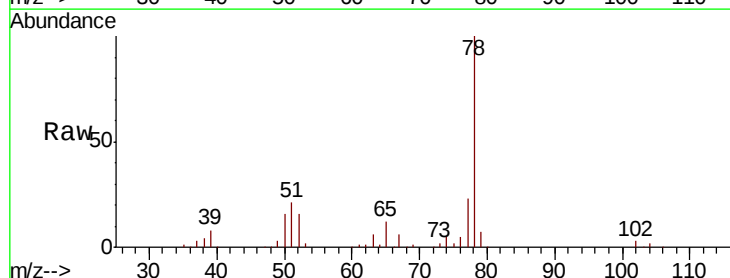
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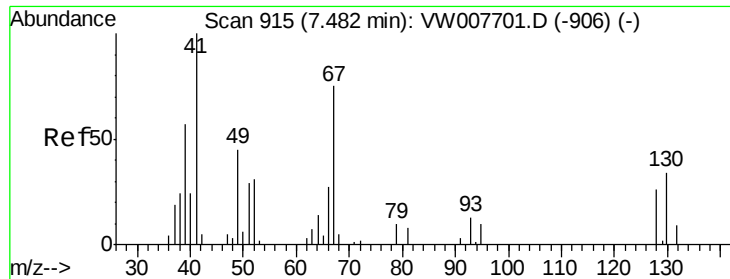
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#40
Benzene
Concen: 52.016 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





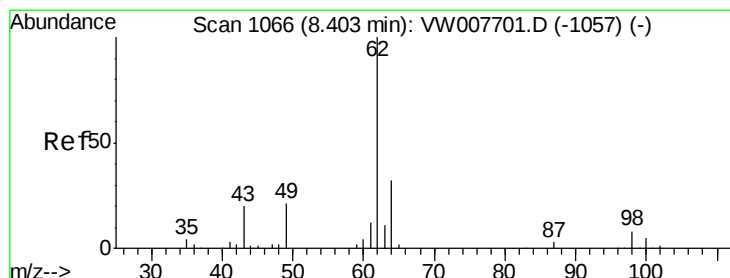
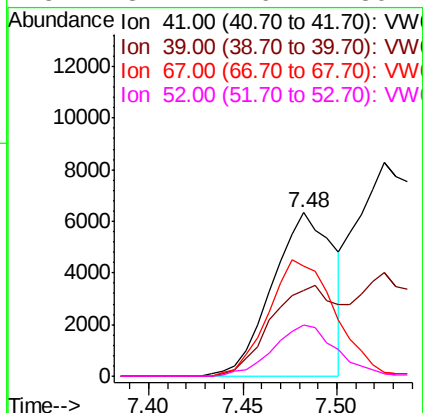
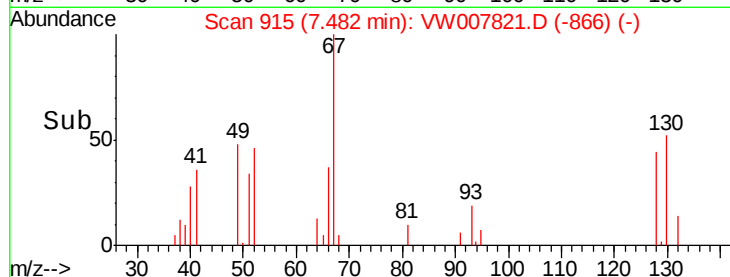
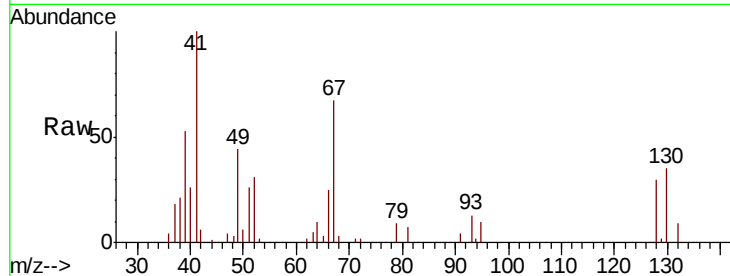
#41
Methacrylonitrile
Concen: 63.979 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	14285
Ion	Ratio	Lower	Upper
41	100		
39	58.3	54.2	81.4
67	77.6	65.7	98.5
52	32.4	26.2	39.4

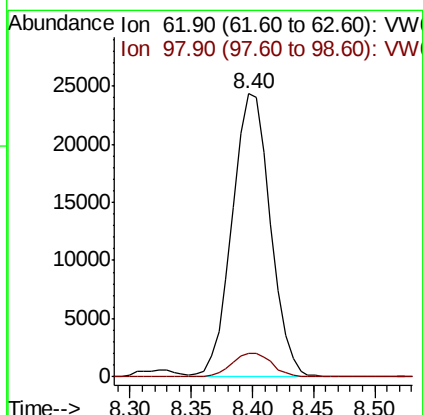
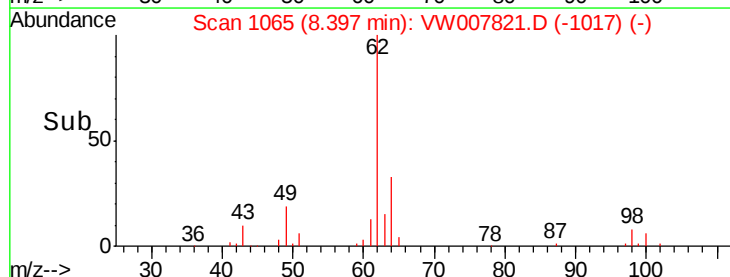
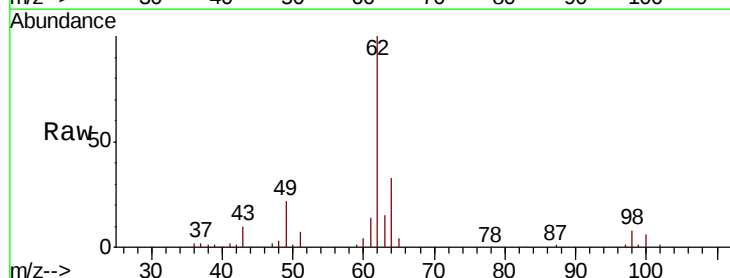
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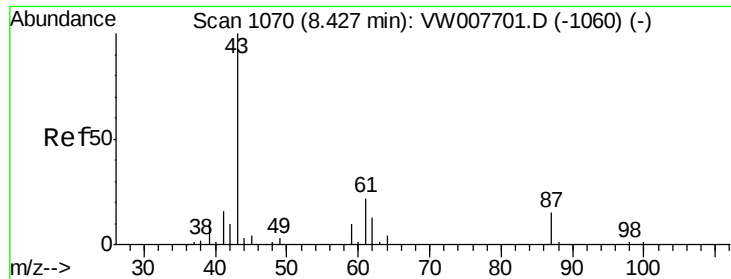
MMDadoda
12/26/2018 10:59:36 AM



#42
1,2-Dichloroethane
Concen: 51.897 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	62	Resp	52884
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.6





#43

Isopropyl Acetate

Concen: 61.509 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

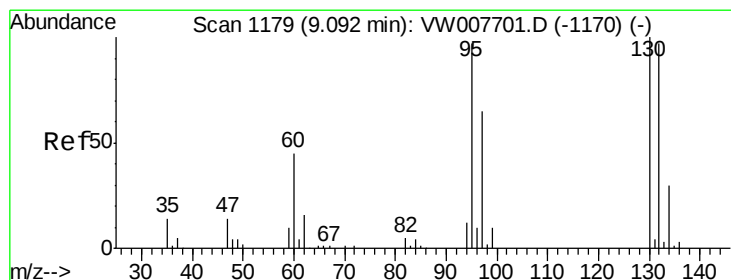
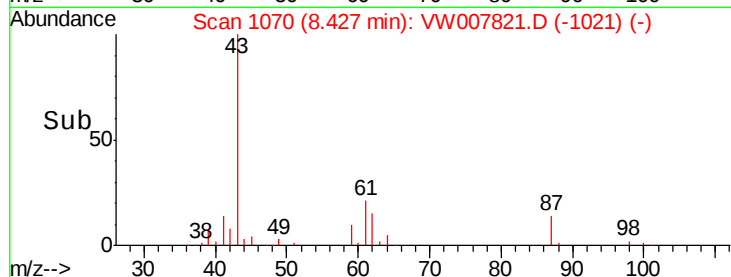
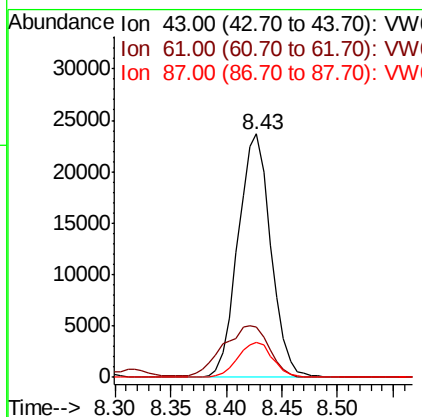
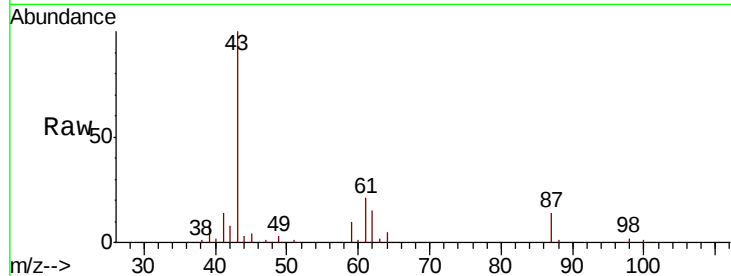
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	48462
Ion	Ratio	Lower	Upper
43	100		
61	30.0	26.3	39.5
87	15.0	12.0	18.0

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#44

Trichloroethene

Concen: 50.379 ug/l

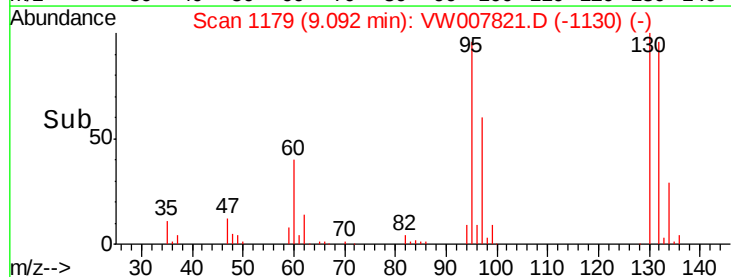
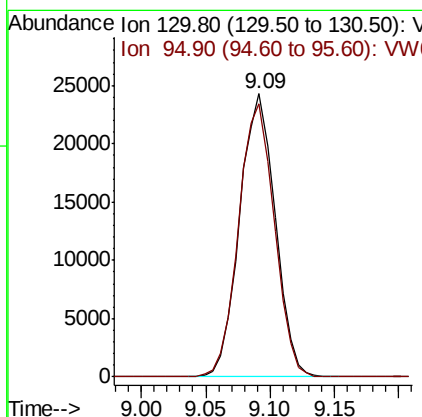
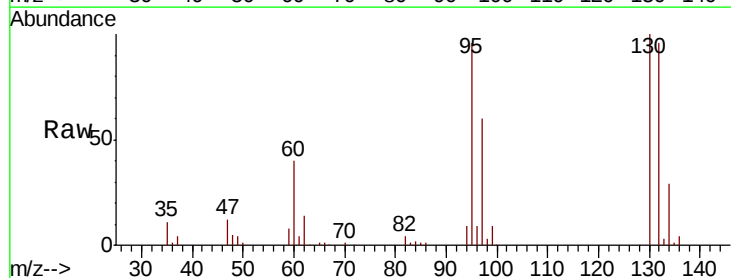
RT: 9.09 min Scan# 1179

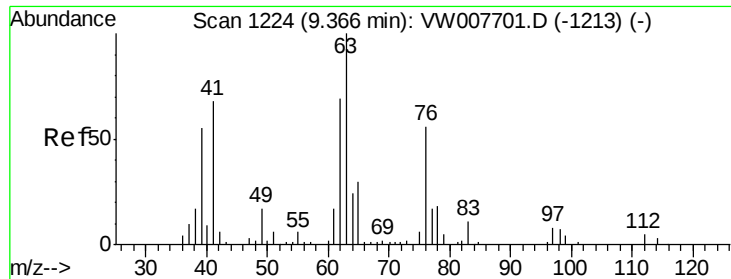
Delta R.T. 0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Tgt Ion:	130	Resp:	46327
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	194.8





#45

1,2-Dichloropropane

Concen: 55.675 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 37565

Ion Ratio Lower Upper

63 100

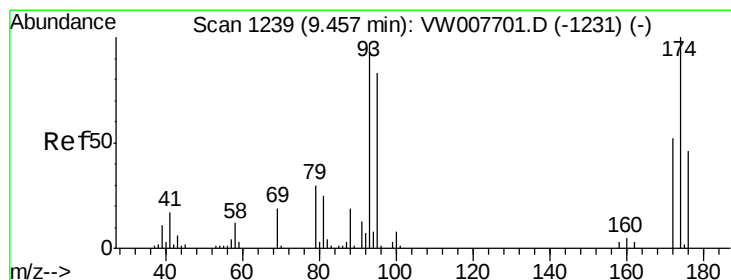
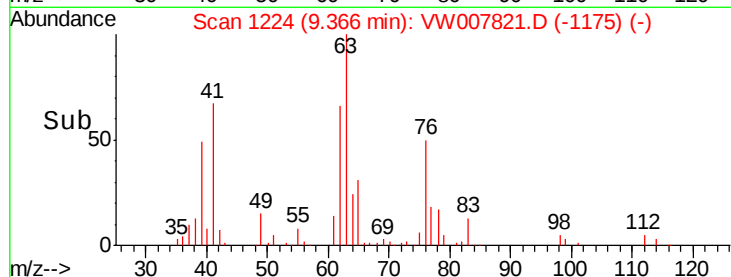
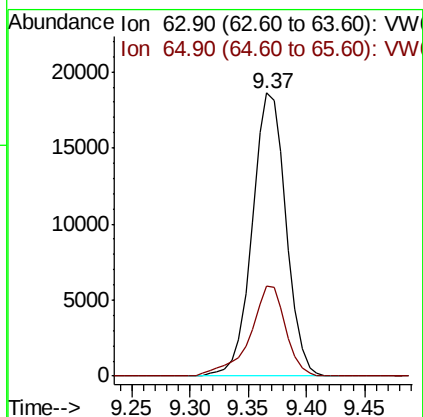
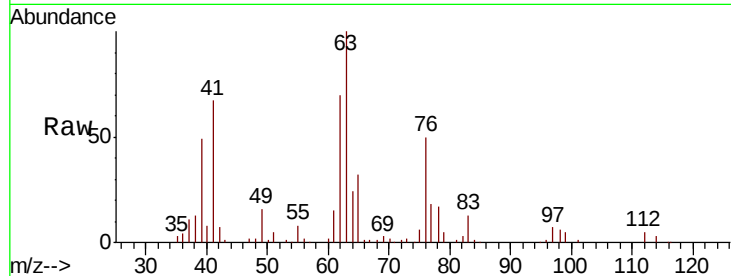
65 31.7 23.8 35.8

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#46

Dibromomethane

Concen: 53.053 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

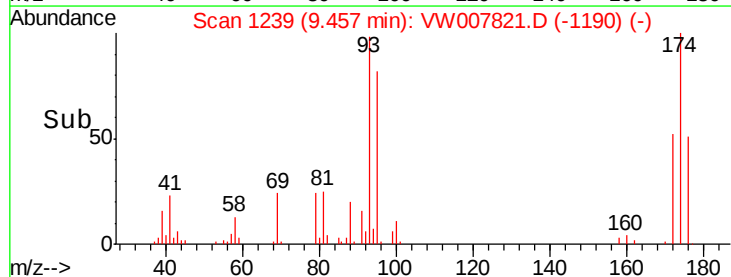
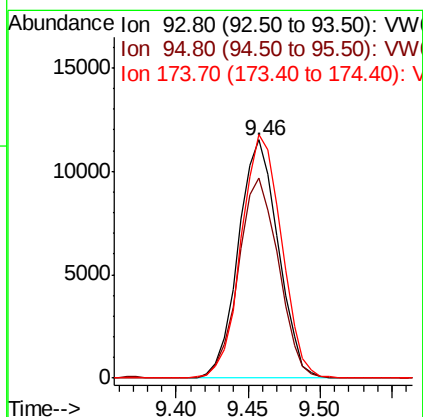
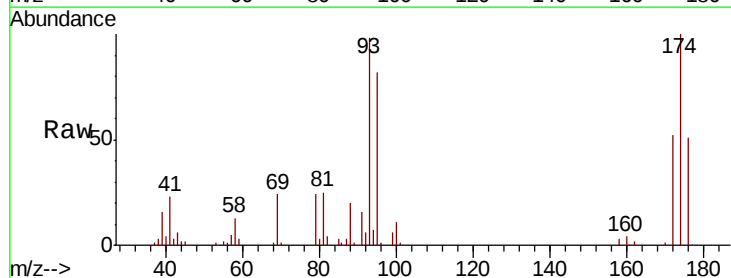
Tgt Ion: 93 Resp: 22035

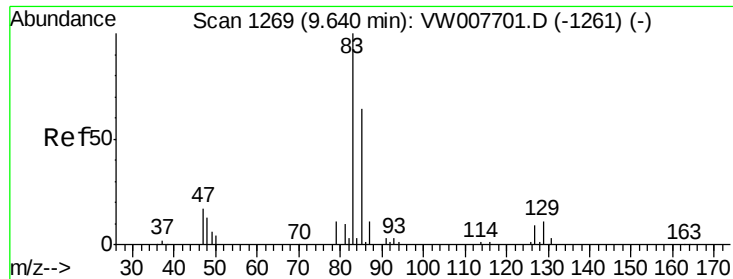
Ion Ratio Lower Upper

93 100

95 84.2 67.5 101.3

174 103.3 83.9 125.9





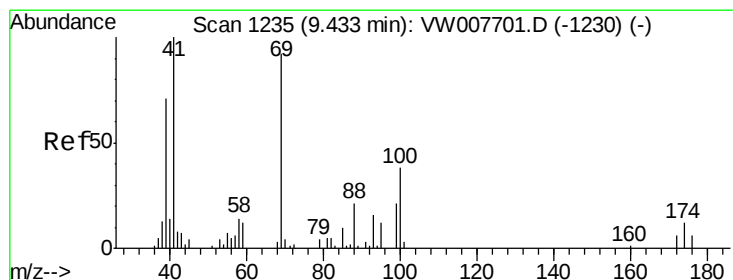
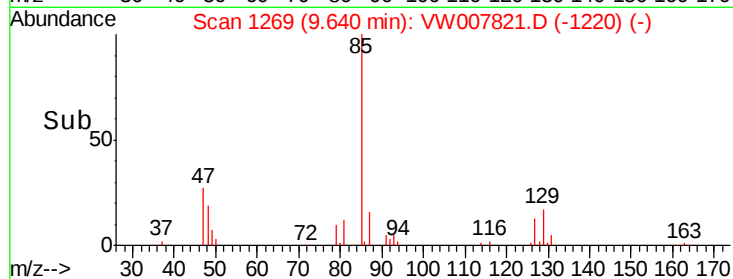
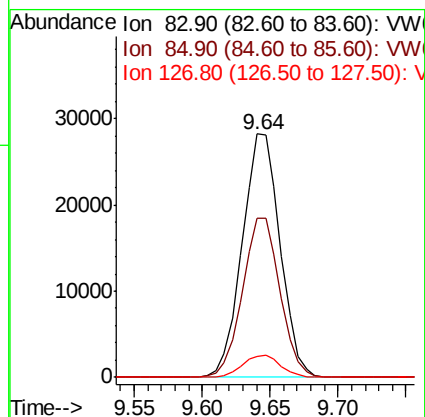
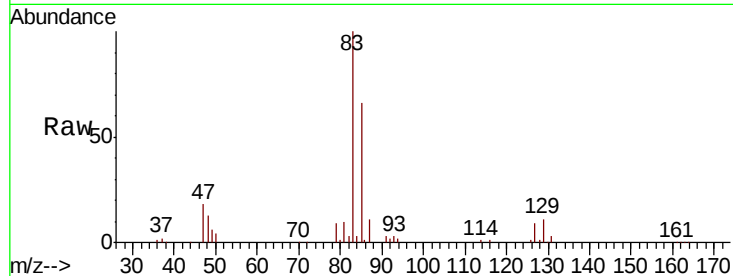
#47
Bromodichloromethane
Concen: 50.262 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	83	Resp:	54881
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.4	77.0
127	8.5	7.5	11.3

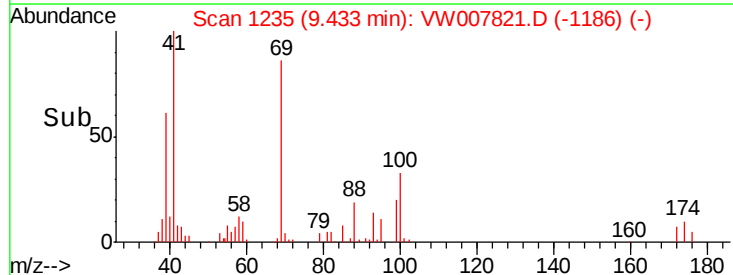
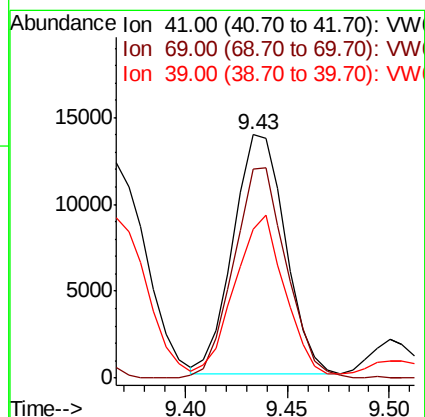
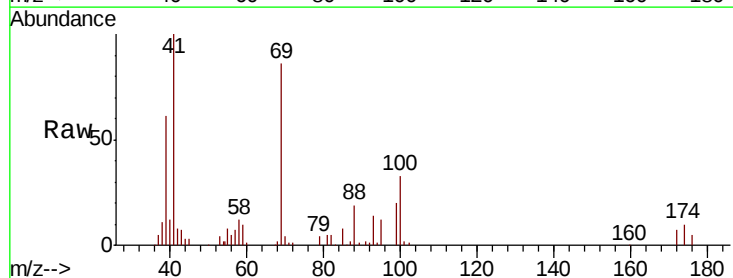
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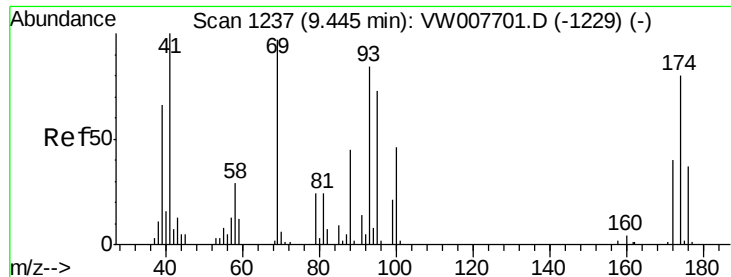
MMDadoda
12/26/2018 10:59:36 AM



#48
Methyl methacrylate
Concen: 62.191 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion:	41	Resp:	24458
Ion Ratio	Lower	Upper	
41	100		
69	89.1	74.2	111.2
39	66.8	53.9	80.9





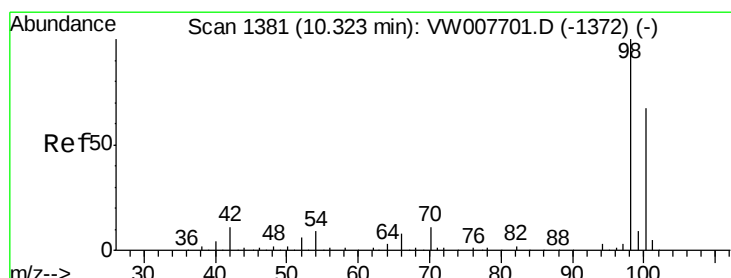
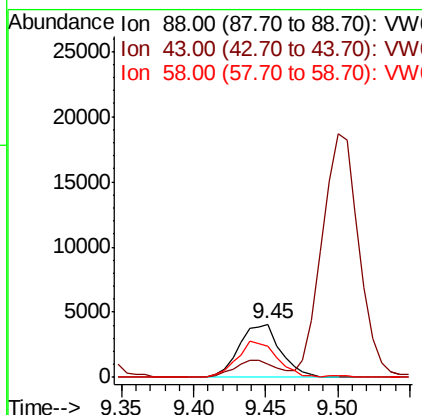
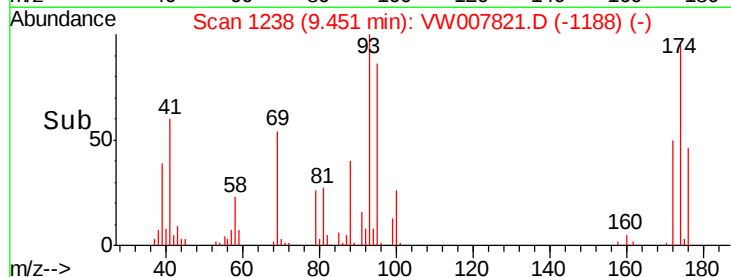
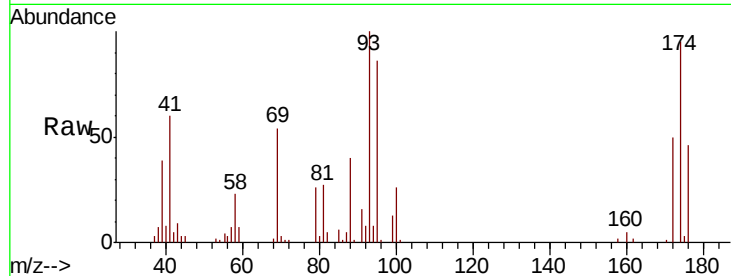
#49
1,4-Dioxane
Concen: 1233.566 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	25.6	38.4
58	65.9	52.3	78.5

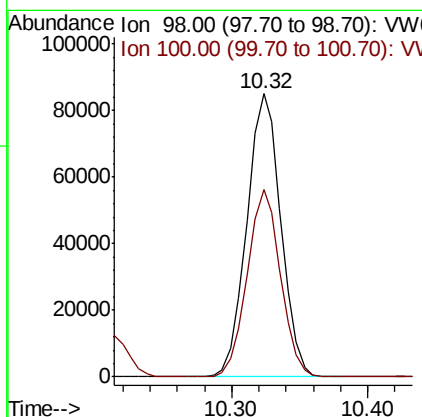
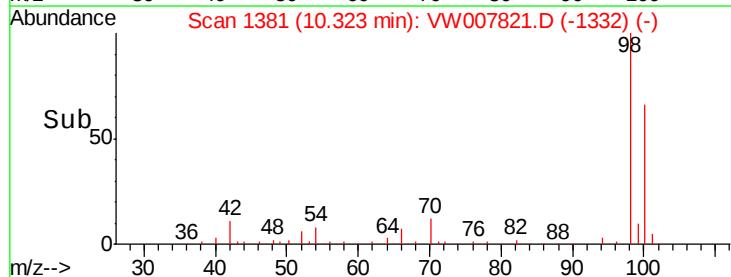
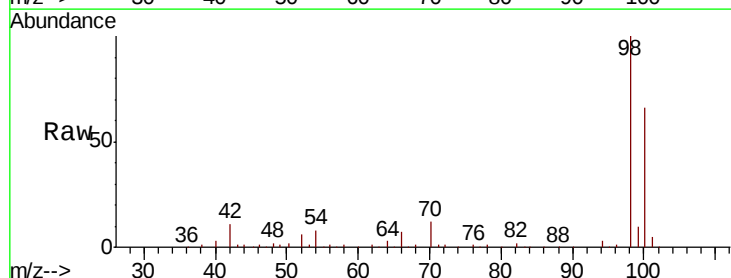
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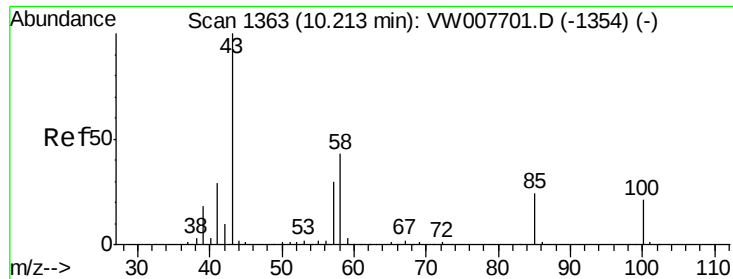
MMDadoda
12/26/2018 10:59:36 AM



#50
Toluene-d8
Concen: 54.834 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 305.076 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 113595

Ion Ratio Lower Upper

43 100

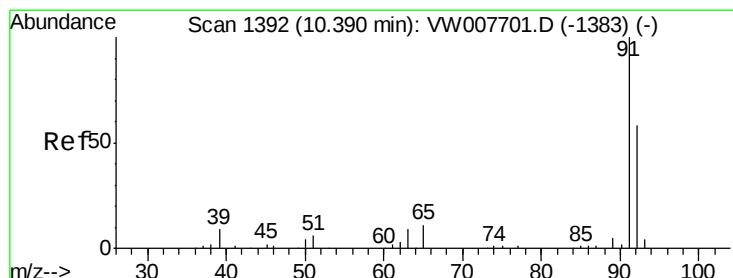
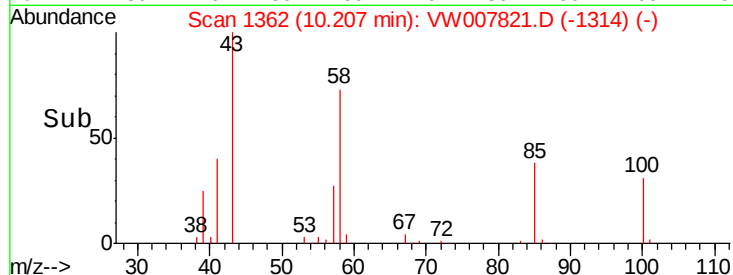
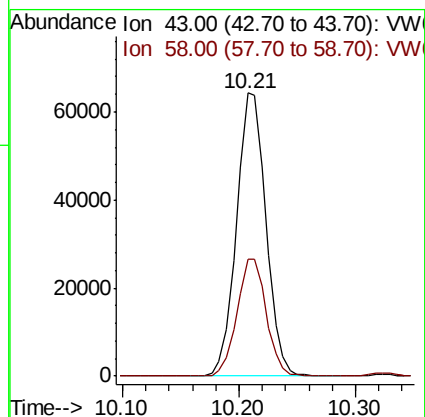
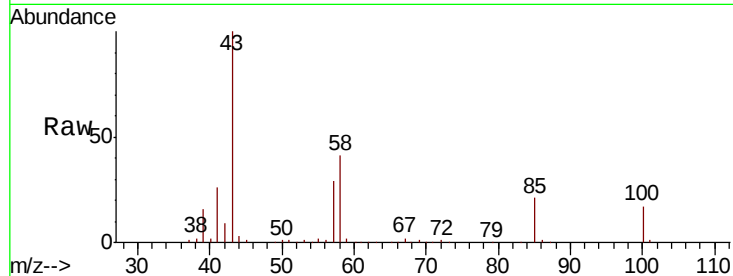
58 41.1 33.2 49.8

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#52

Toluene

Concen: 52.432 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007821.D

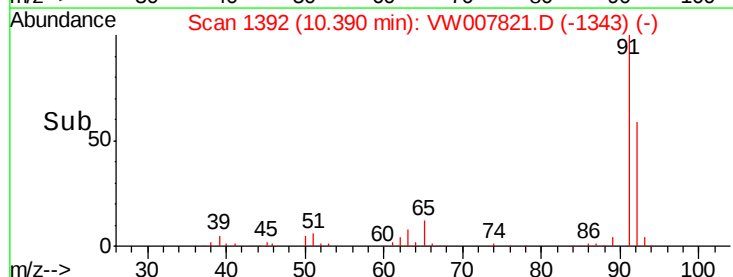
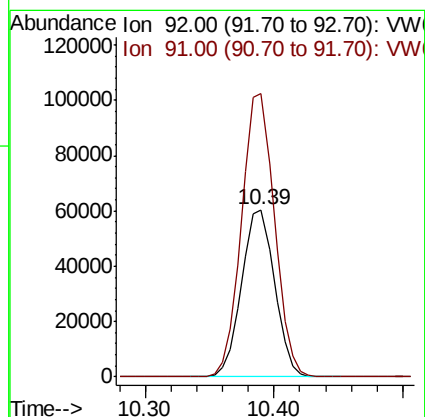
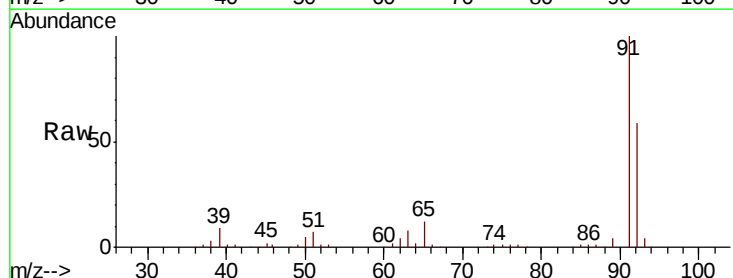
Acq: 22 Dec 2018 03:12

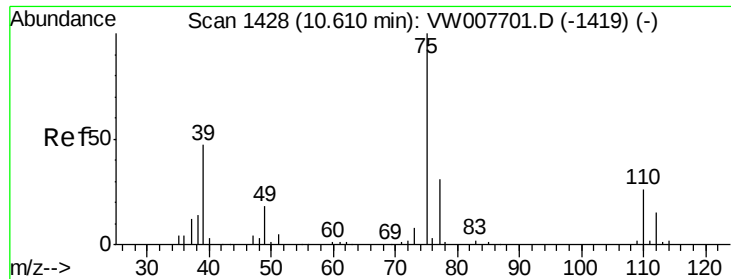
Tgt Ion: 92 Resp: 106969

Ion Ratio Lower Upper

92 100

91 169.6 137.0 205.4





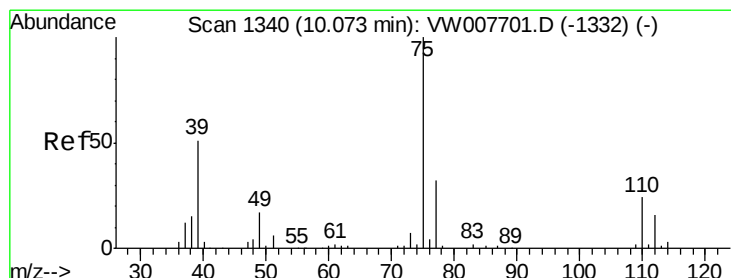
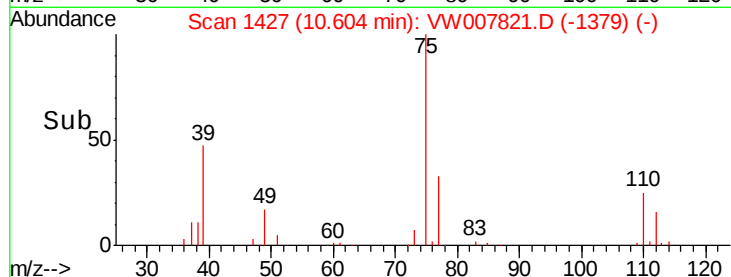
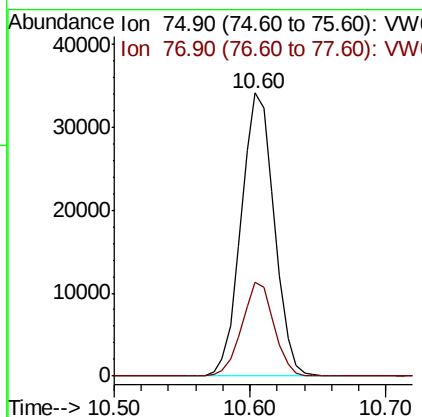
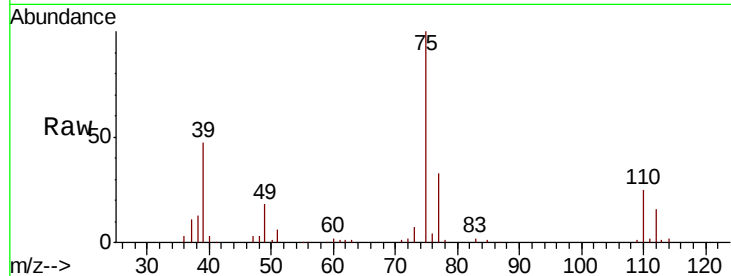
#53
 t-1,3-Dichloropropene
 Concen: 53.473 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 58075
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.2 37.8

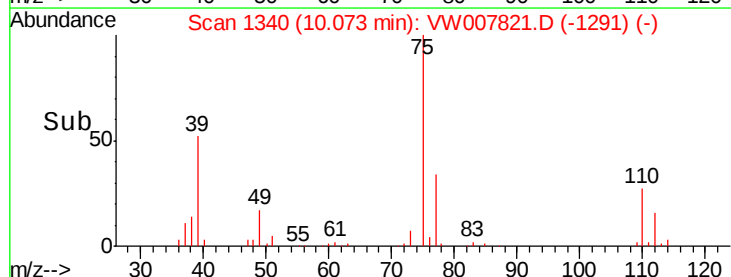
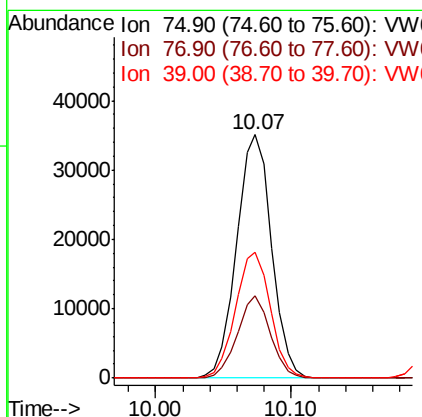
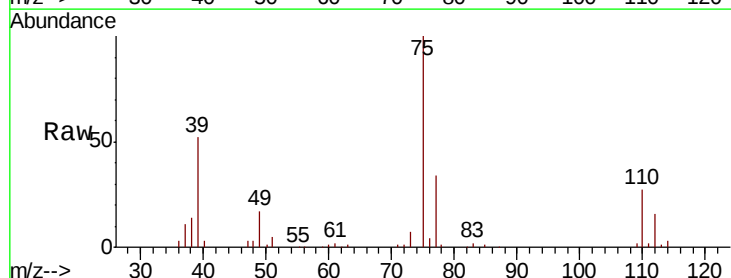
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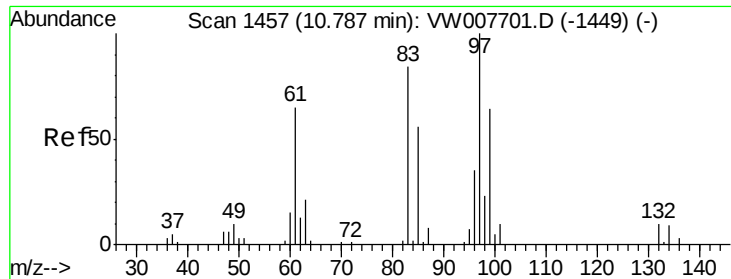
MMDadoda
 12/26/2018 10:59:36 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.377 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion: 75 Resp: 62833
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.5 38.3
 39 51.8 41.2 61.8





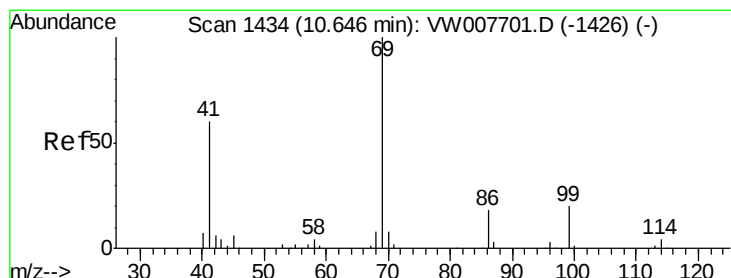
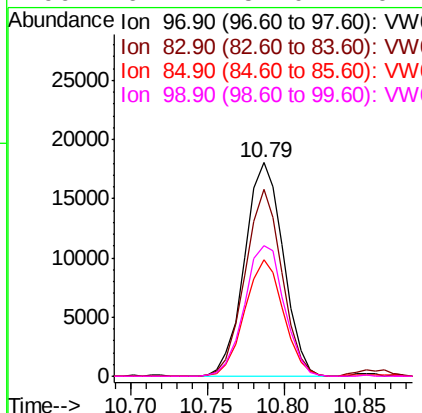
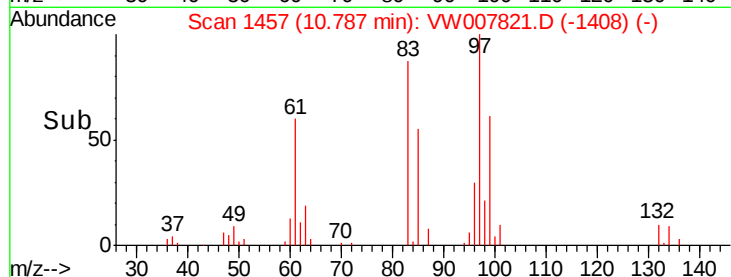
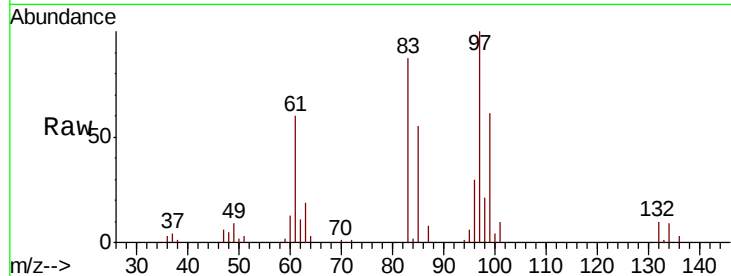
#55
 1,1,2-Trichloroethane
 Concen: 55.578 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	31823
Ion	Ratio	Lower	Upper
97	100		
83	87.2	67.5	101.3
85	54.8	44.8	67.2
99	61.2	51.0	76.4

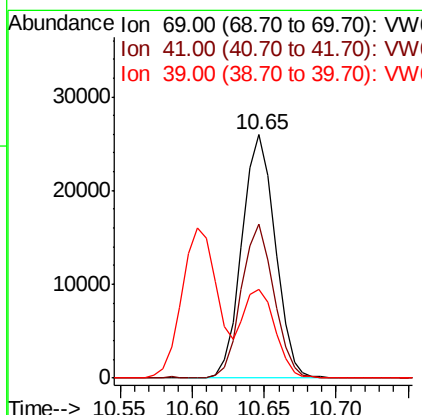
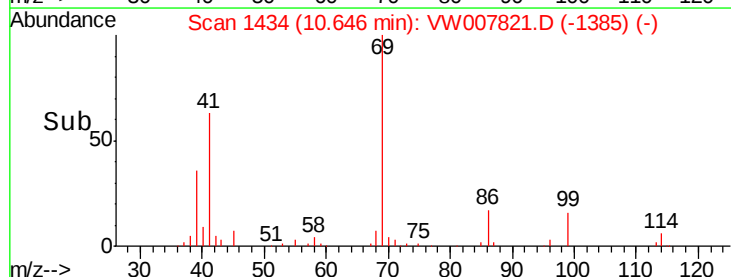
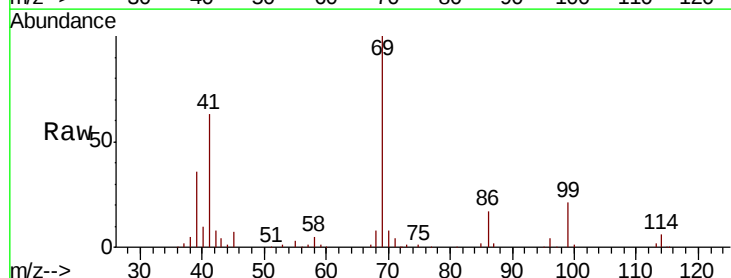
Manual Integrations
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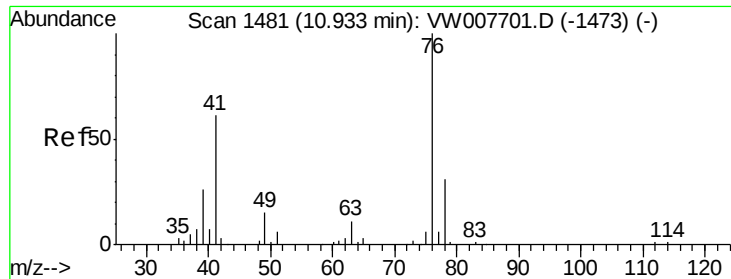
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#56
 Ethyl methacrylate
 Concen: 61.466 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion:	69	Resp:	41582
Ion	Ratio	Lower	Upper
69	100		
41	62.1	48.9	73.3
39	35.4	31.3	46.9





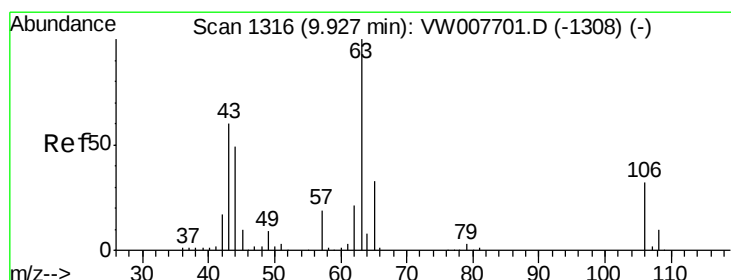
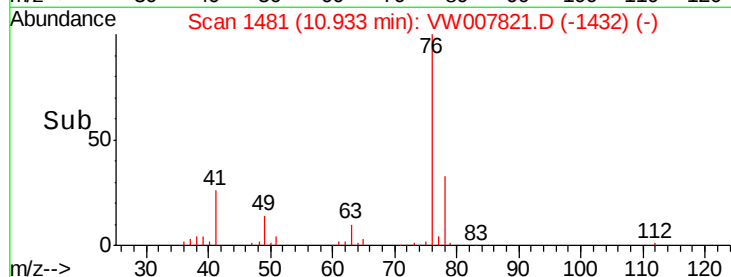
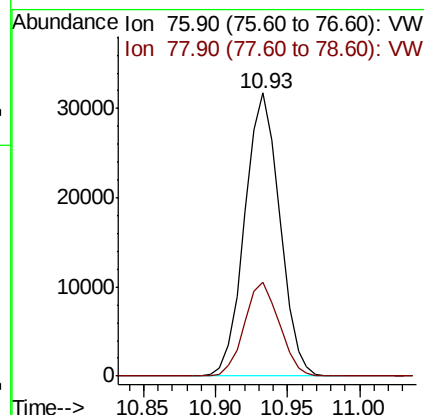
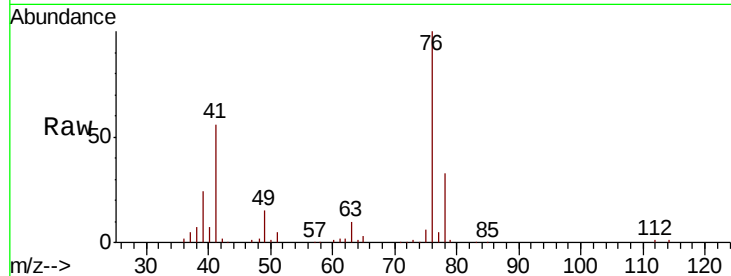
#57
 1,3-Dichloropropane
 Concen: 56.306 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 53535
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.2

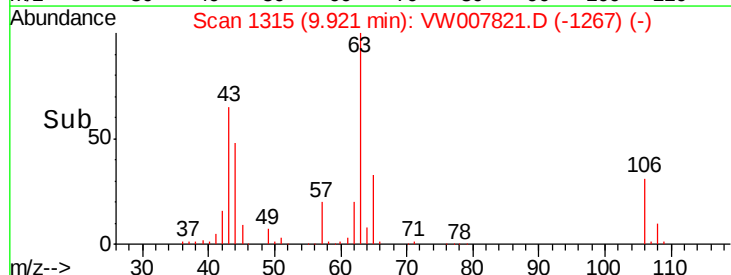
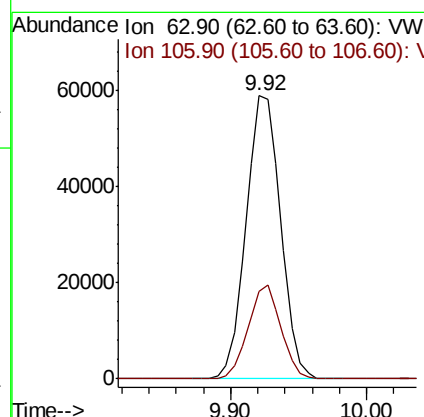
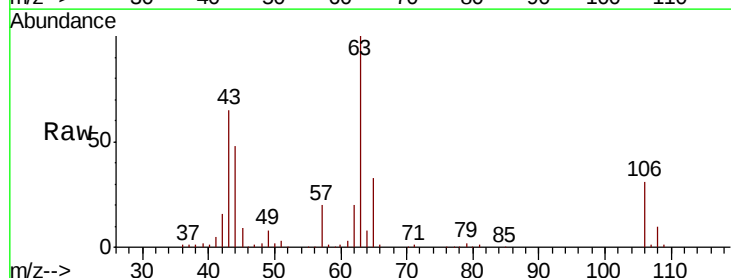
Manual Integrations
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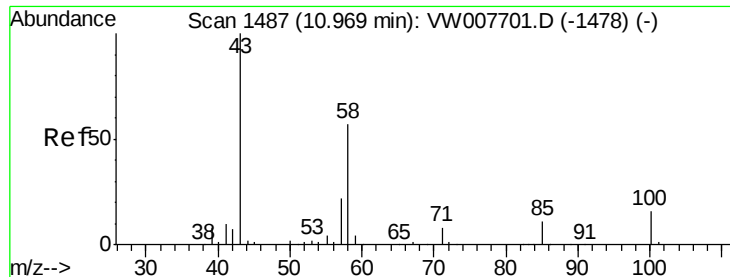
MMDadoda
 12/26/2018 10:59:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 339.722 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion: 63 Resp: 104931
 Ion Ratio Lower Upper
 63 100
 106 31.4 25.9 38.9





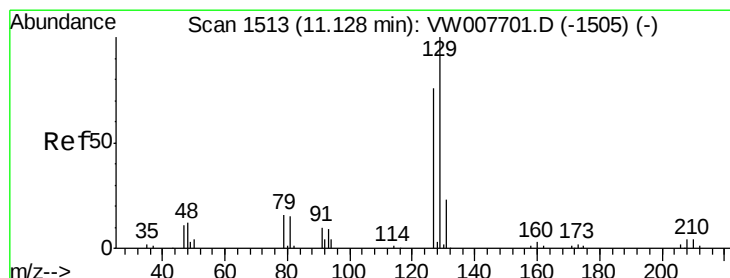
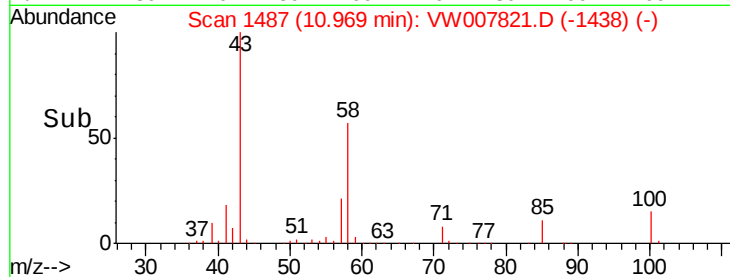
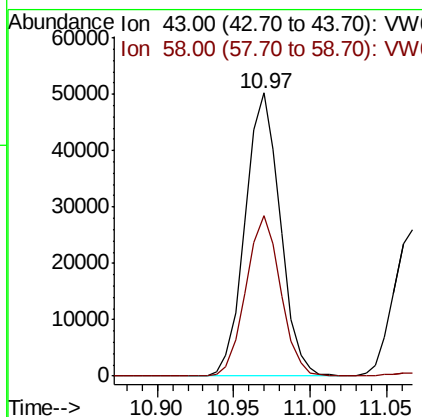
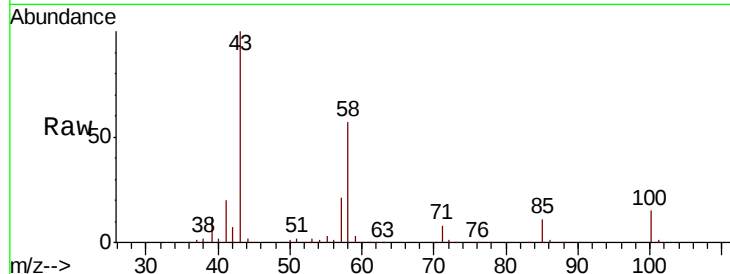
#59
2-Hexanone
Concen: 305.771 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 80070
Ion Ratio Lower Upper
43 100
58 55.9 27.7 83.1

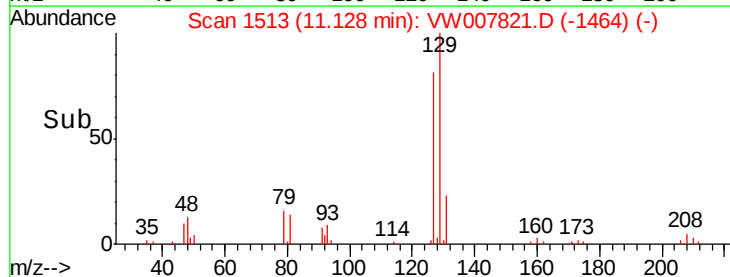
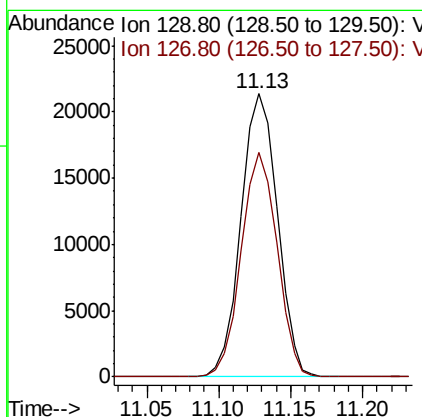
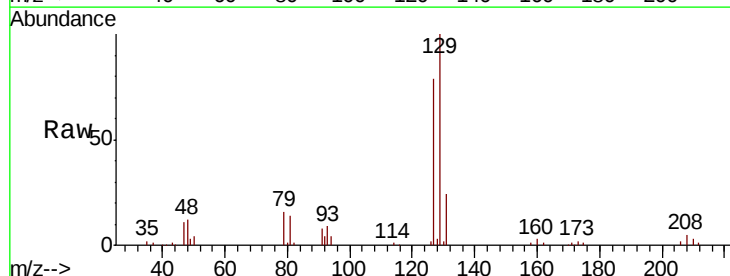
Manual Integrations
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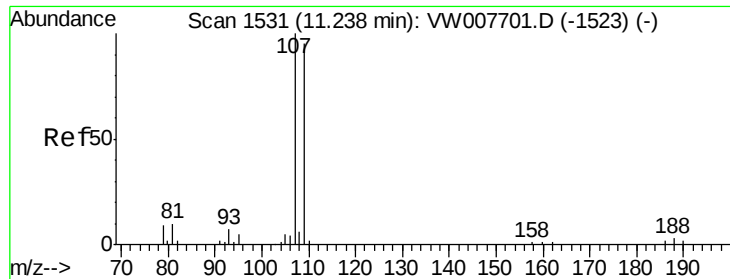
MMDadoda
12/26/2018 10:59:36 AM



#60
Dibromochloromethane
Concen: 49.494 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion: 129 Resp: 37523
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 54.802 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 31776

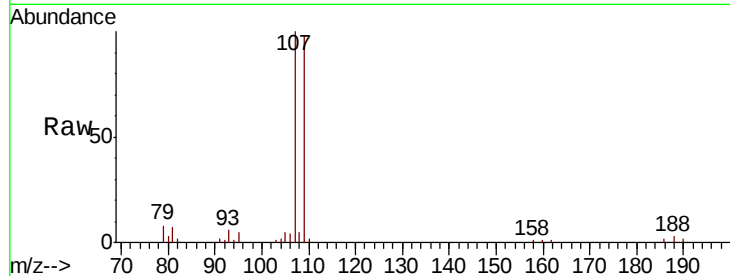
Ion Ratio Lower Upper

107 100

109 93.8 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

20000

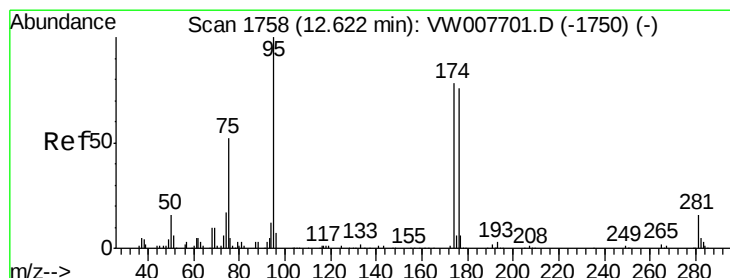
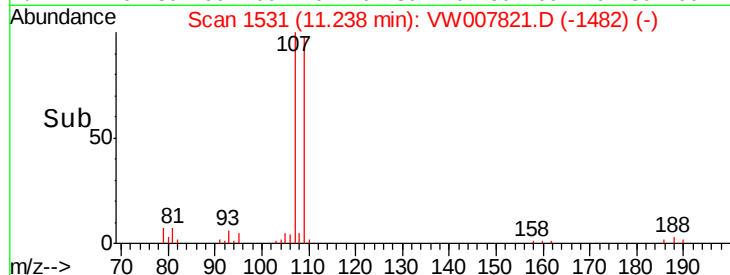
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.559 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

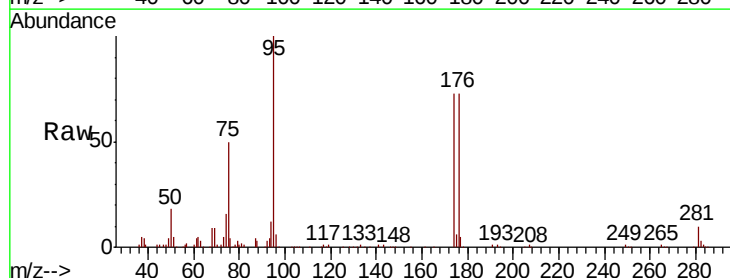
Tgt Ion: 95 Resp: 58278

Ion Ratio Lower Upper

95 100

174 74.5 0.0 152.2

176 72.3 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

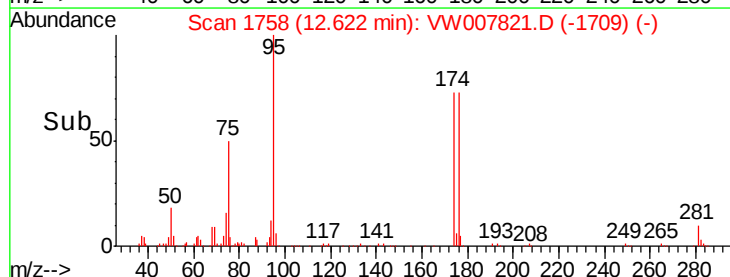
30000

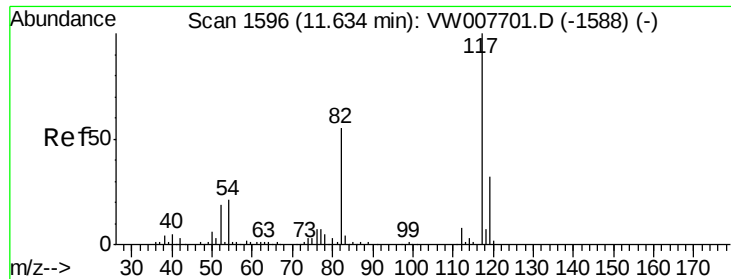
20000

10000

0

Time-->





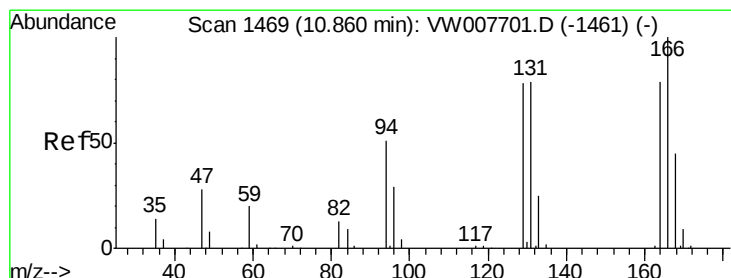
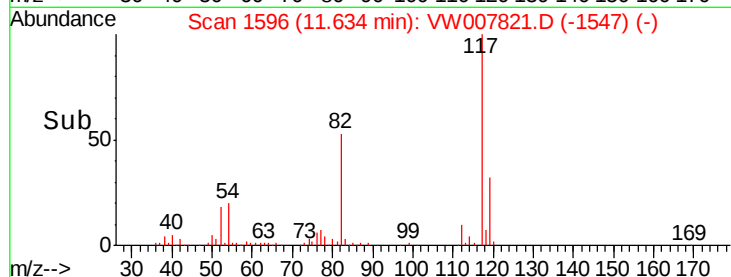
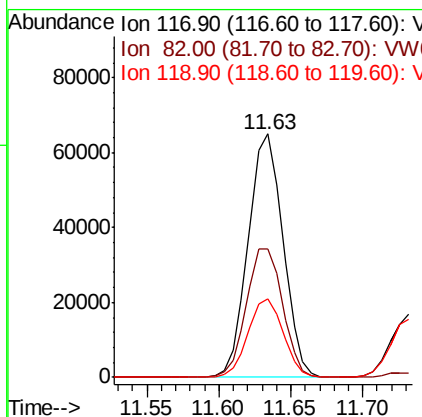
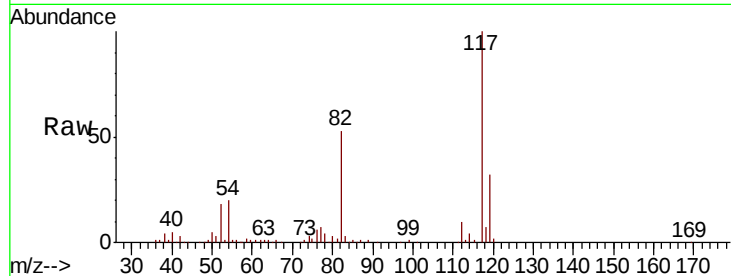
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	108536		
82	52.6		44.3	66.5
119	32.2		25.7	38.5

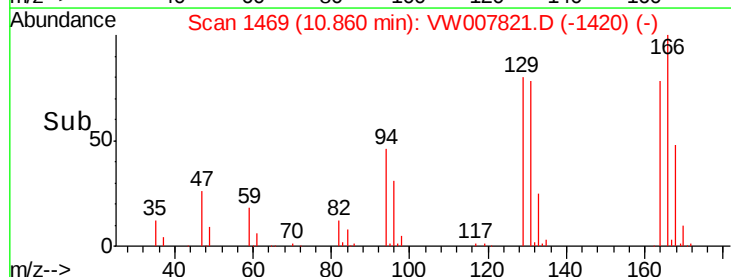
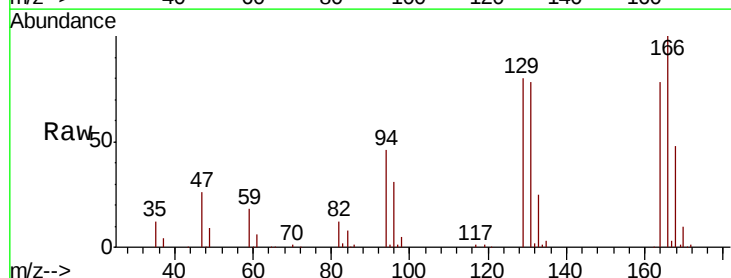
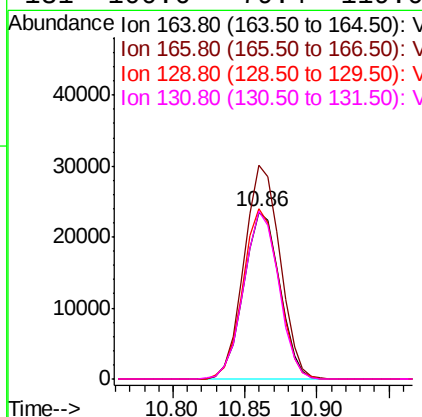
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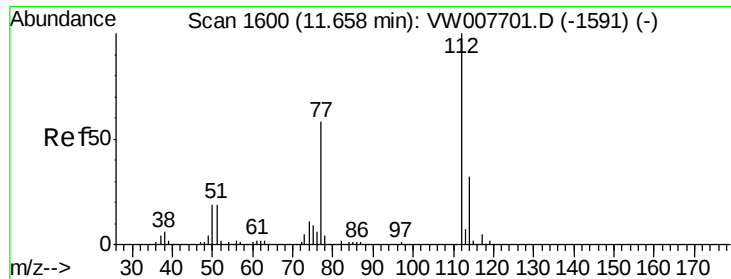
MMDadoda
12/26/2018 10:59:36 AM



#64
Tetrachloroethene
Concen: 52.759 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40549		
166	128.3		101.0	151.6
129	102.0		78.7	118.1
131	100.6		79.4	119.0





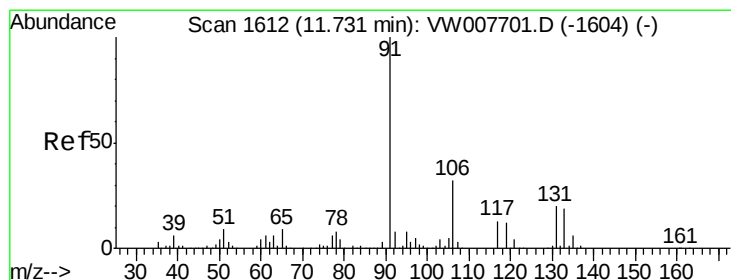
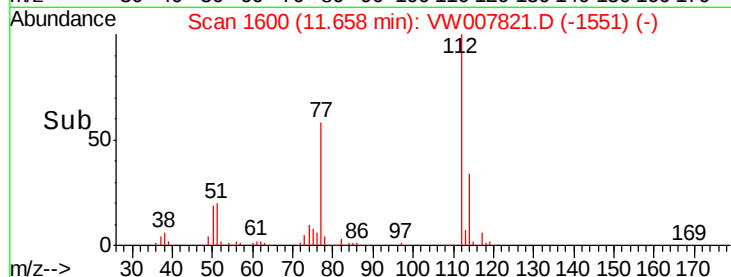
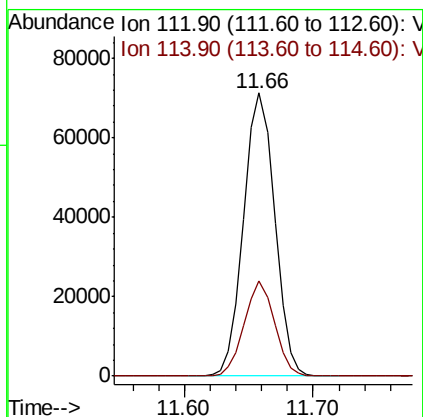
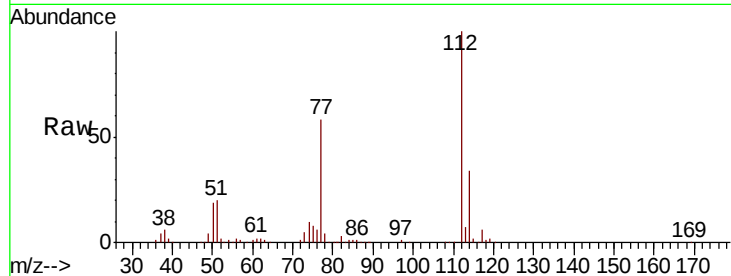
#65
Chlorobenzene
Concen: 50.681 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 119059
Ion Ratio Lower Upper
112 100
114 33.7 25.2 37.8

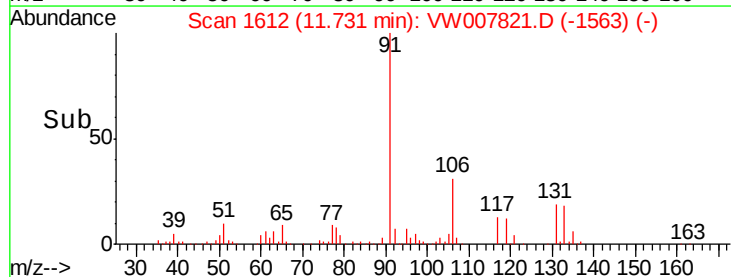
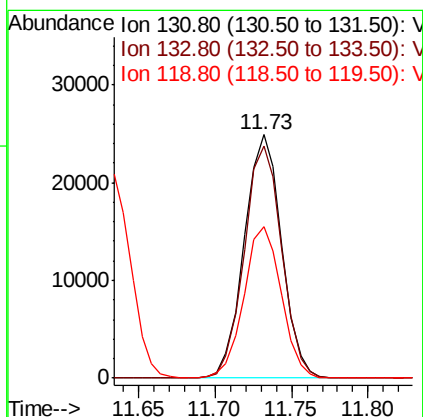
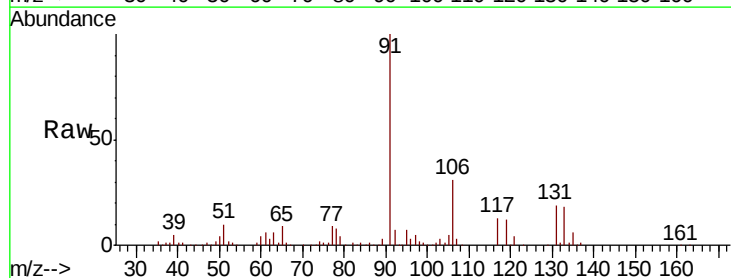
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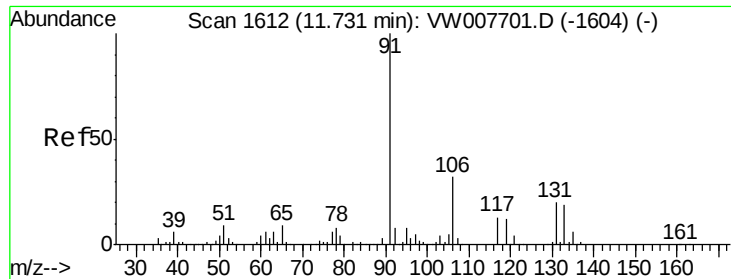
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.291 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion:131 Resp: 42214
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.5
119 62.5 30.2 90.6





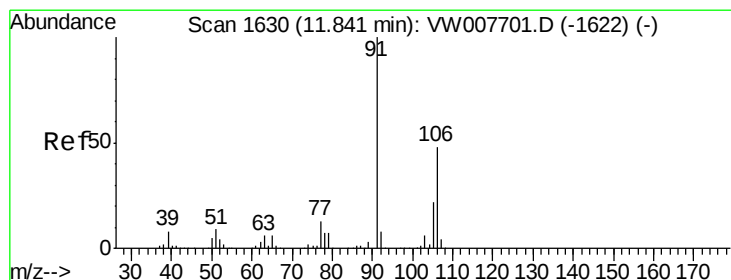
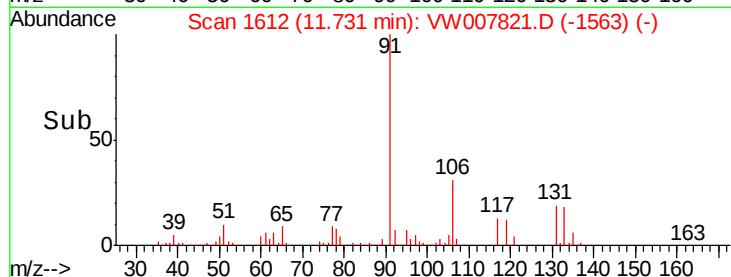
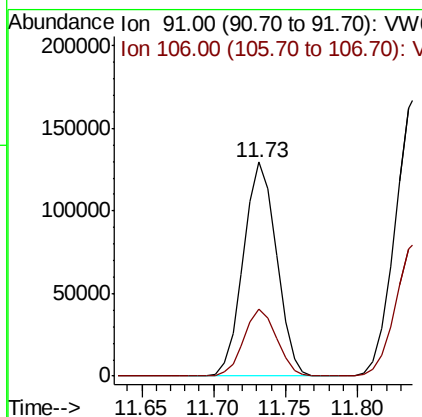
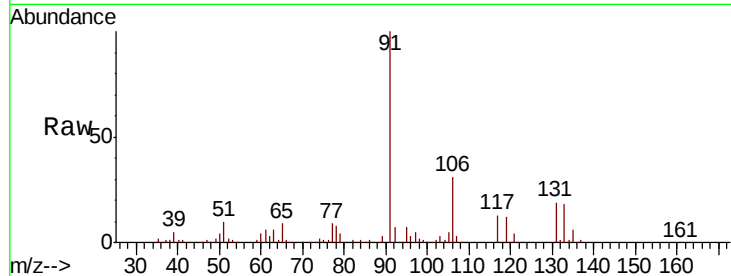
#67
Ethyl Benzene
Concen: 51.369 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.8	38.8

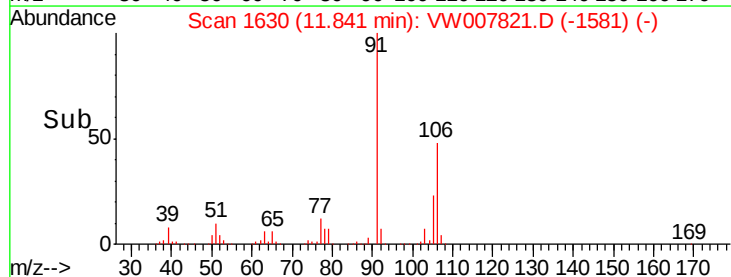
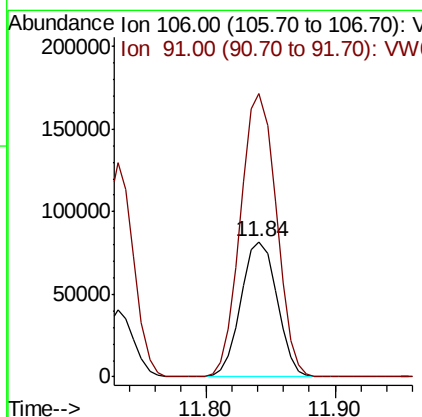
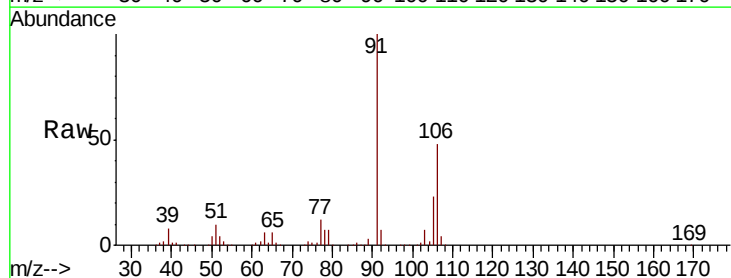
Manual Integrations
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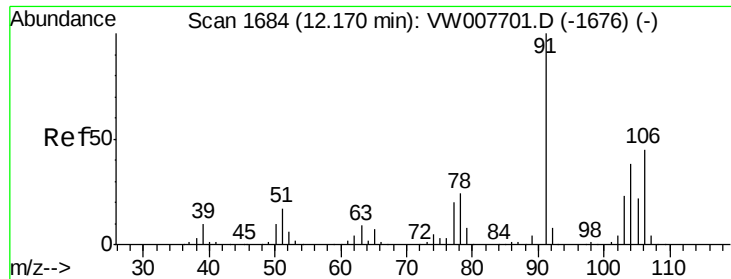
MMDadoda
12/26/2018 10:59:36 AM



#68
m/p-Xylenes
Concen: 101.570 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.6	165.2	247.8





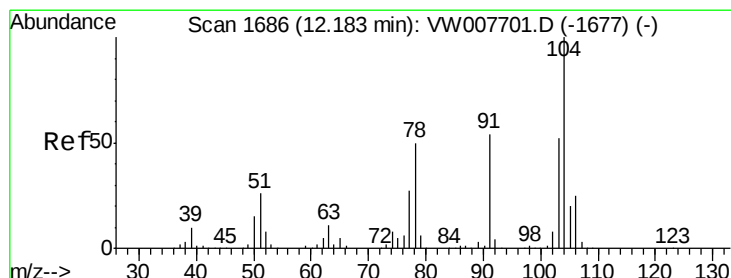
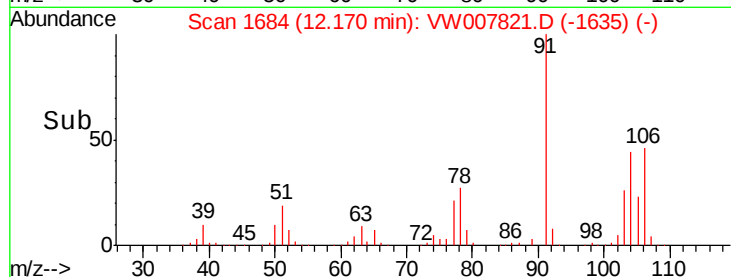
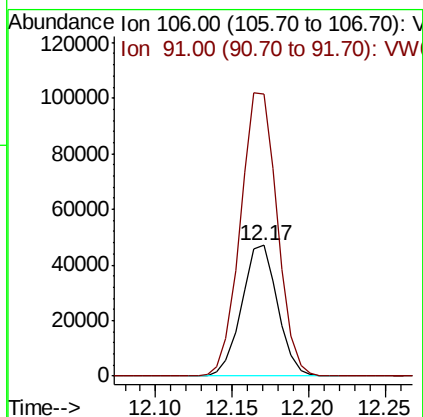
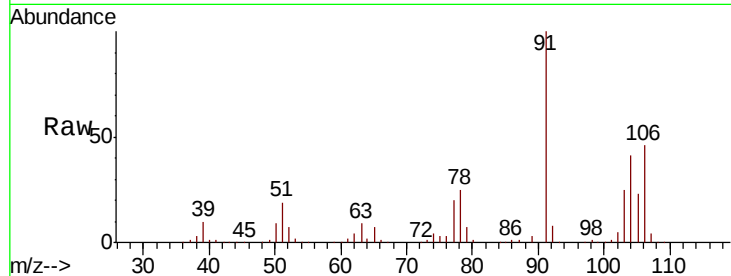
#69
o-Xylene
Concen: 52.445 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 76875
Ion Ratio Lower Upper
106 100
91 221.6 110.5 331.4

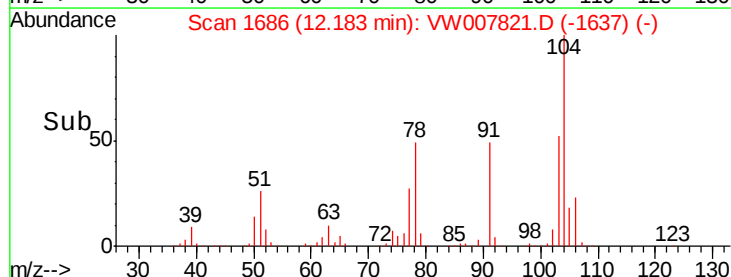
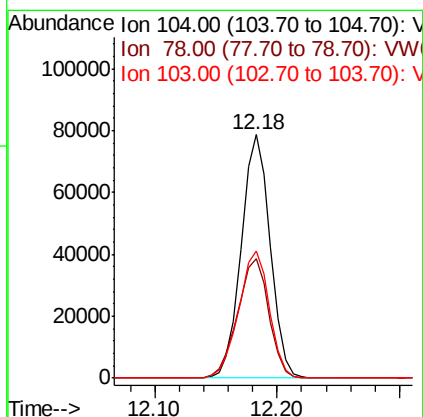
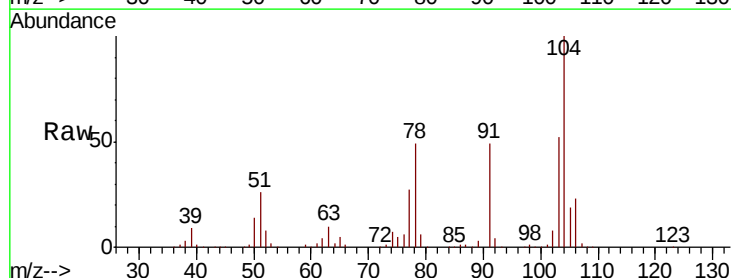
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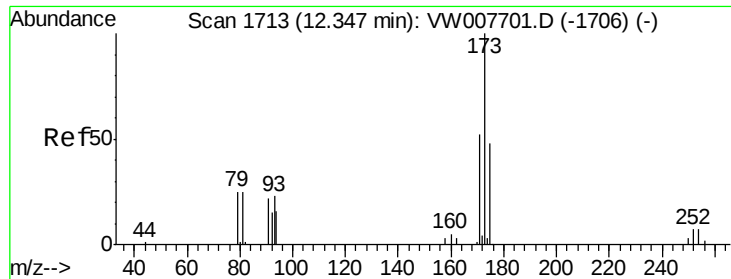
MMDadoda
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#70
Styrene
Concen: 53.371 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion:104 Resp: 128598
Ion Ratio Lower Upper
104 100
78 53.3 43.4 65.0
103 55.7 44.5 66.7





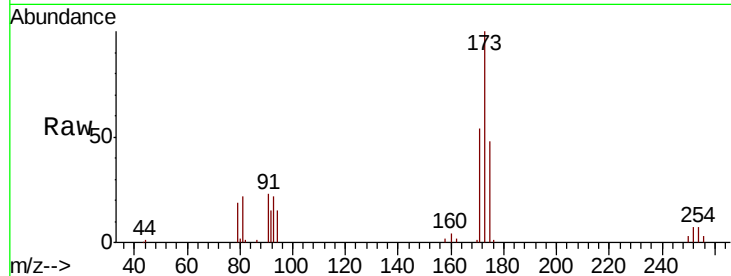
#71
Bromoform
Concen: 47.210 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.9	71.7
254	0.0	0.0	0.0

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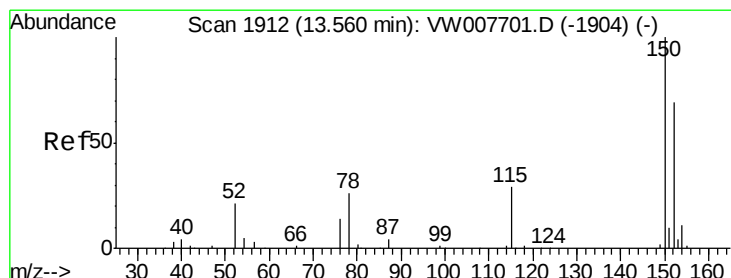
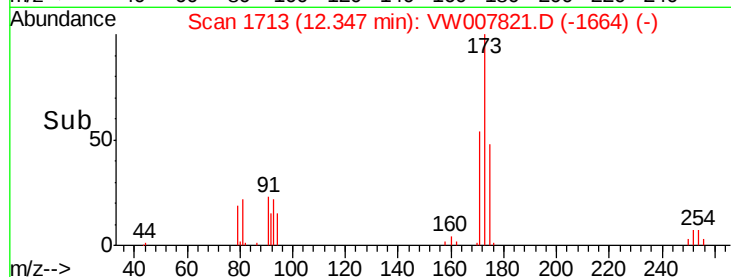
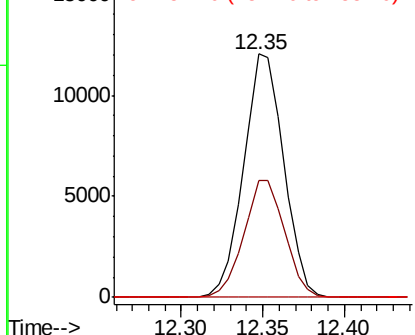


Abundance

Ion 172.70 (172.40 to 173.40): V

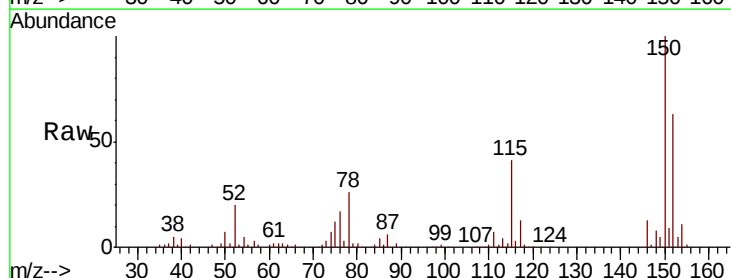
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	31.8	95.4
150	176.7	0.0	350.8

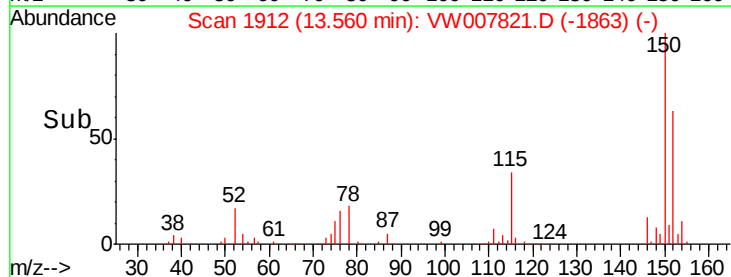
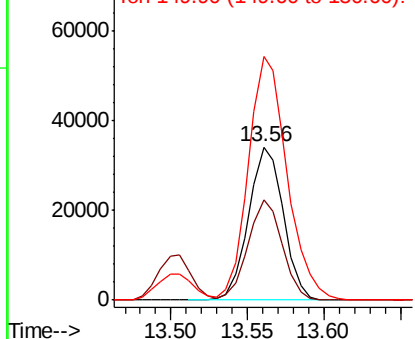


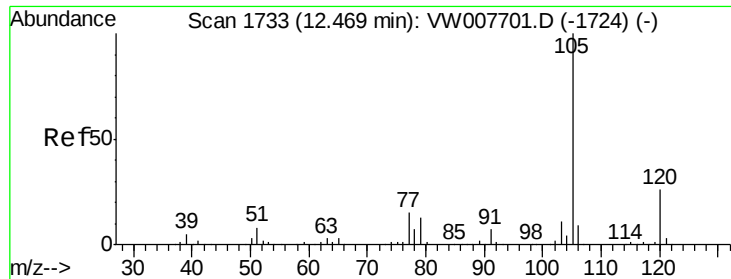
Abundance

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: 52.599 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 213939

Ion Ratio Lower Upper

105 100

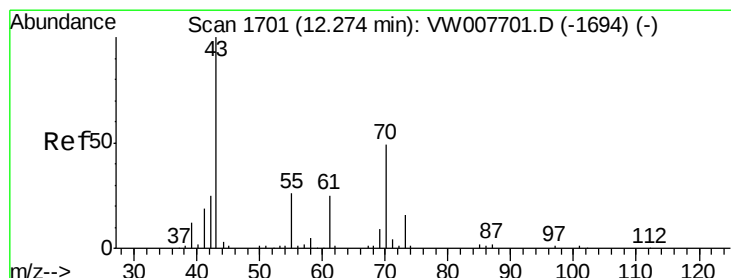
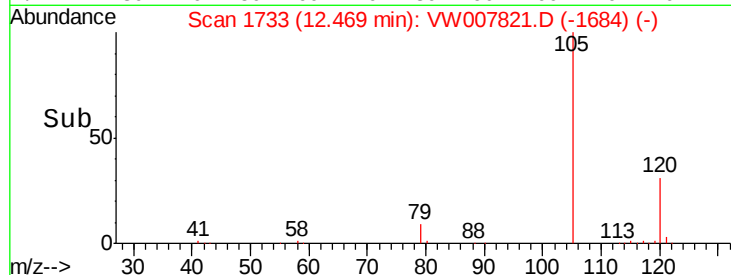
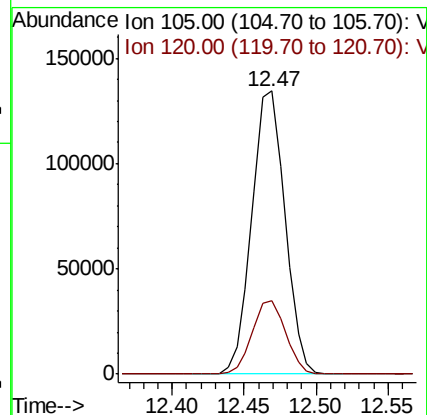
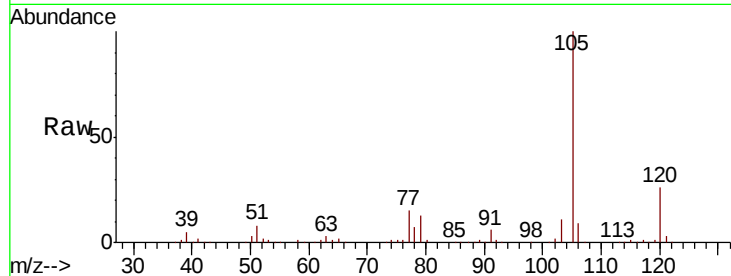
120 26.0 13.1 39.3

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#74

N-ethyl acetate

Concen: 62.318 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Tgt Ion: 43 Resp: 43905

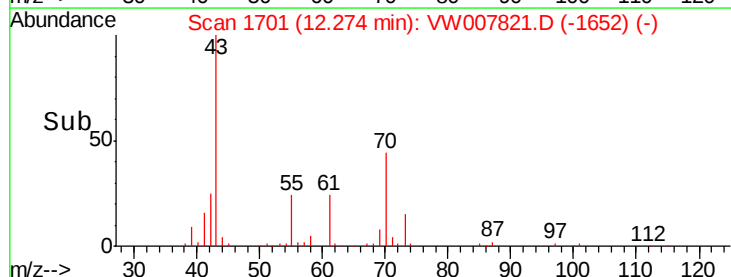
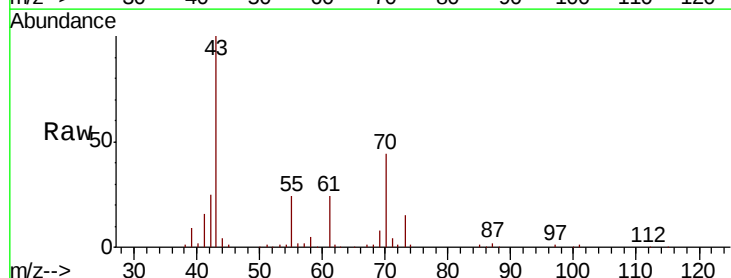
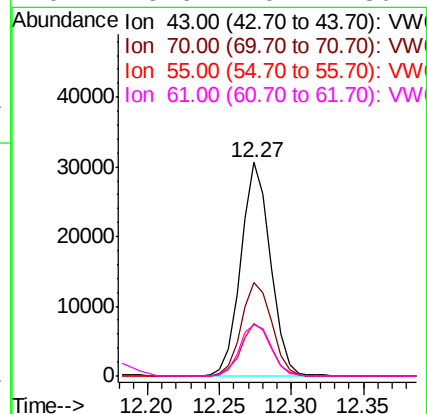
Ion Ratio Lower Upper

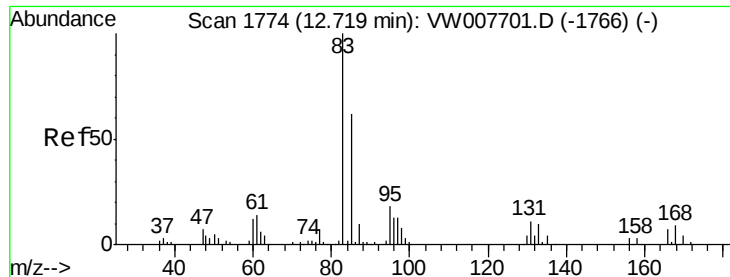
43 100

70 45.0 37.6 56.4

55 24.7 21.7 32.5

61 25.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 58.232 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Instrument :

MSVOA_W

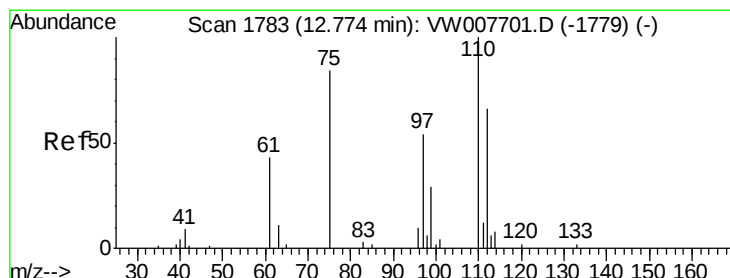
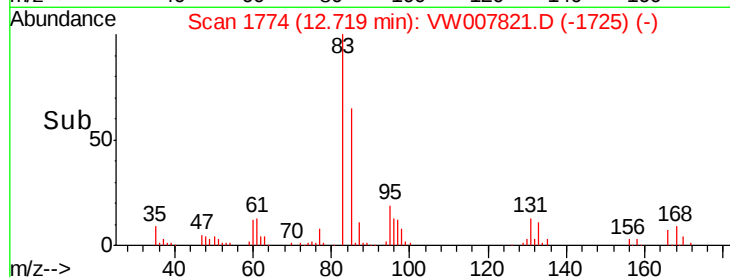
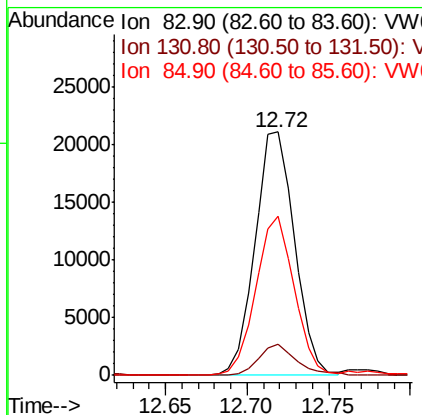
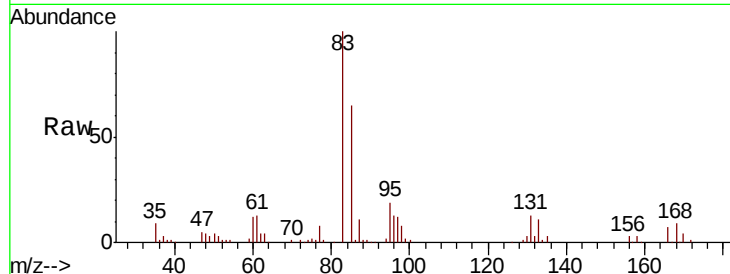
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	35512
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.3	18.8
85	63.0	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 64.072 ug/l m

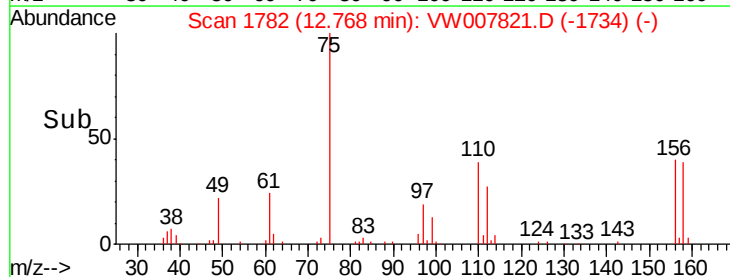
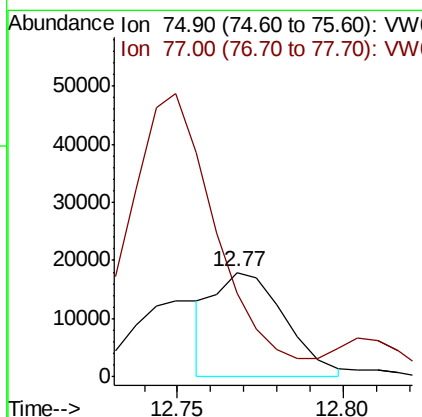
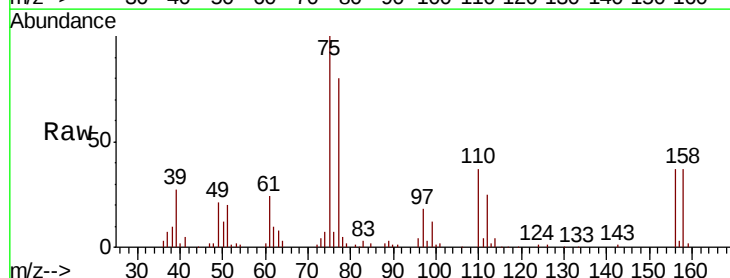
RT: 12.77 min Scan# 1782

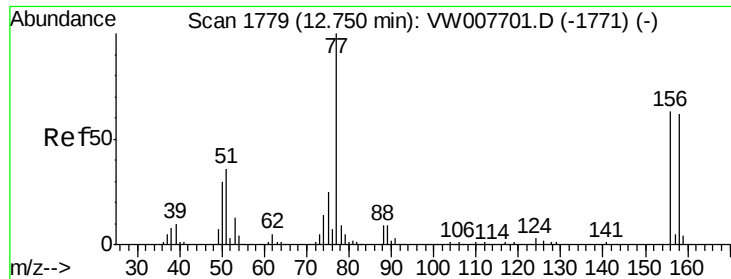
Delta R.T. -0.01 min

Lab File: VW007821.D

Acq: 22 Dec 2018 03:12

Tgt Ion:	75	Resp:	26647
Ion Ratio	Lower	Upper	
75	100		
77	338.2	0.0	0.0#





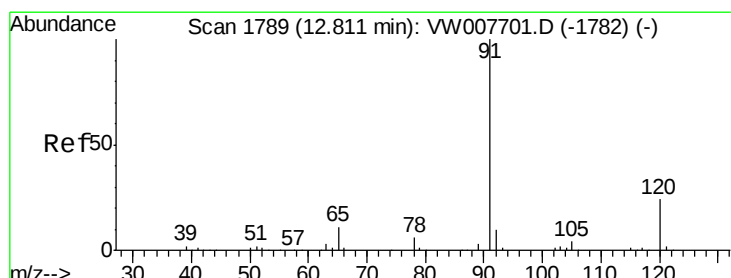
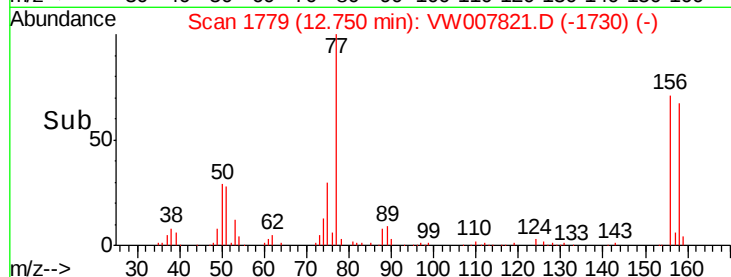
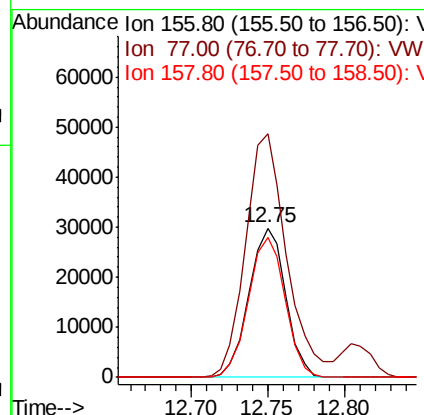
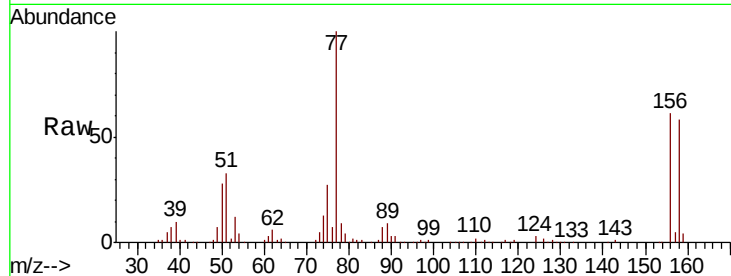
#77
Bromobenzene
Concen: 53.176 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	181.8	87.4	262.1	
158	94.1	48.4	145.0	

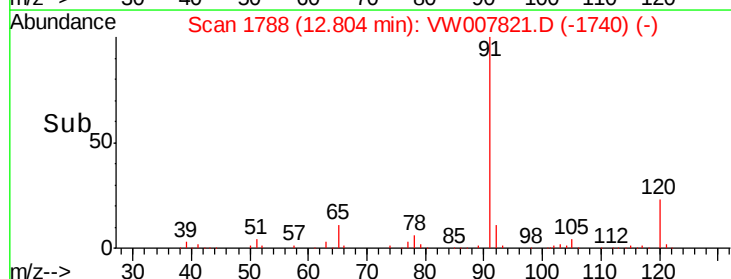
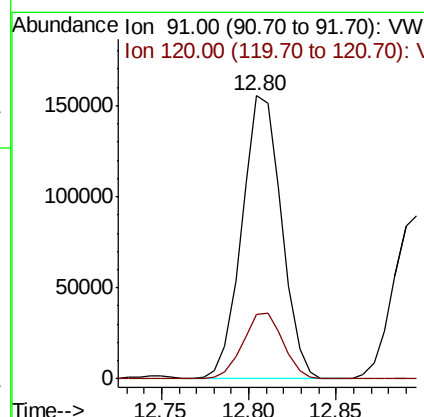
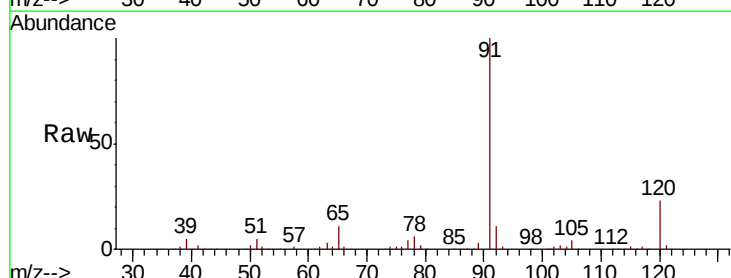
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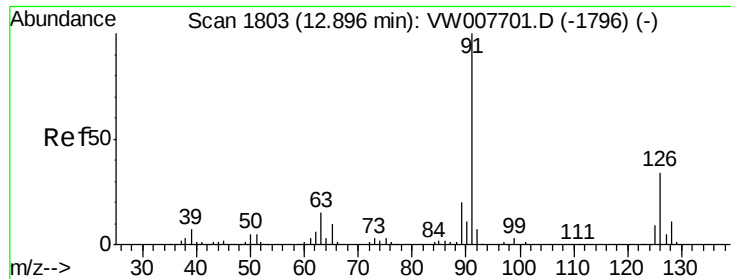
MMDadoda
12/26/2018 10:59:36 AM



#78
n-propylbenzene
Concen: 51.652 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.5	11.9	35.7	





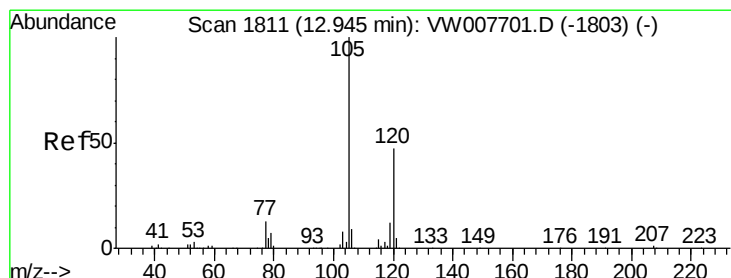
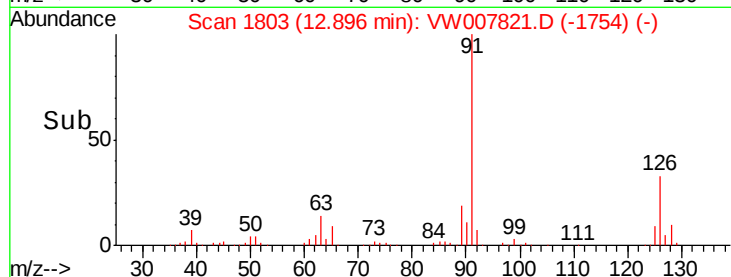
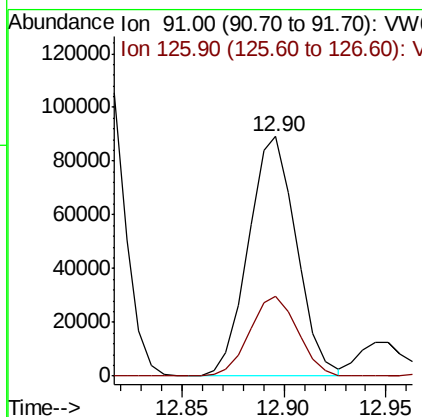
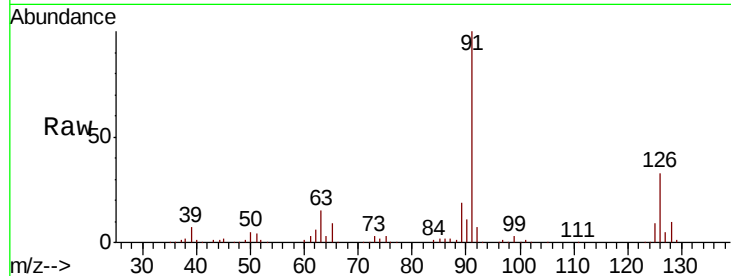
#79
 2-Chlorotoluene
 Concen: 52.886 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 145870
 Ion Ratio Lower Upper
 91 100
 126 33.4 17.0 51.0

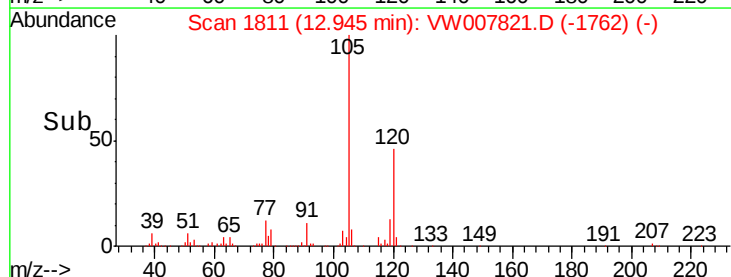
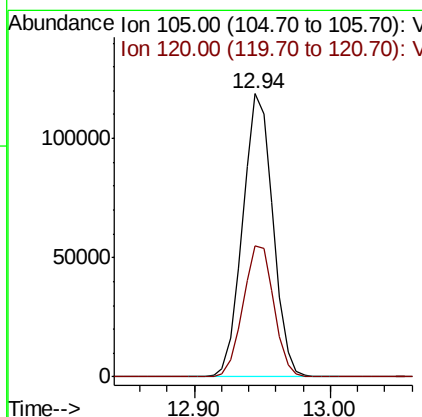
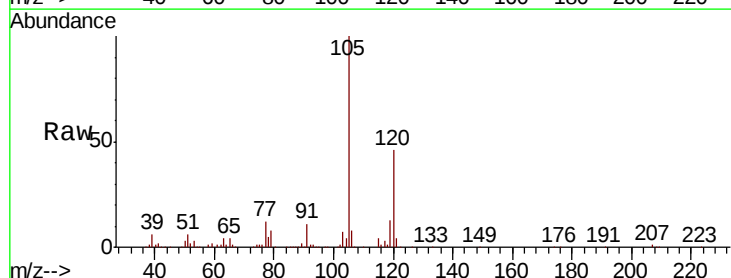
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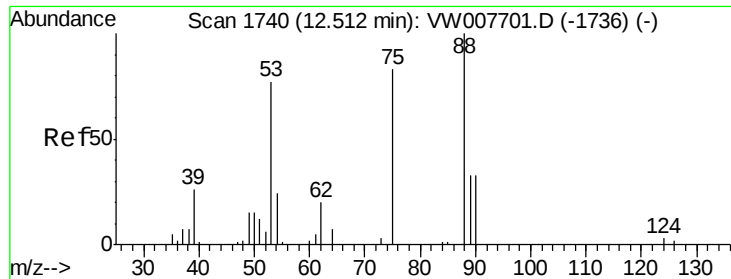
MMDadoda
 12/26/2018 10:59:36 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.524 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion: 105 Resp: 184273
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.6 70.8





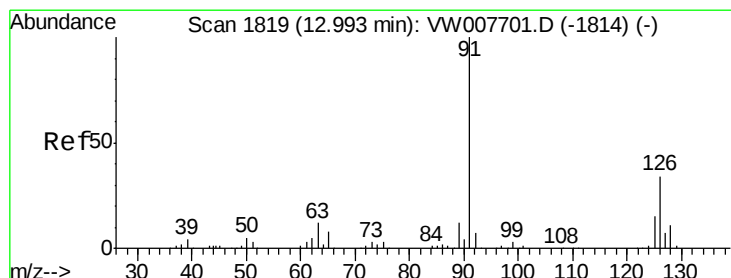
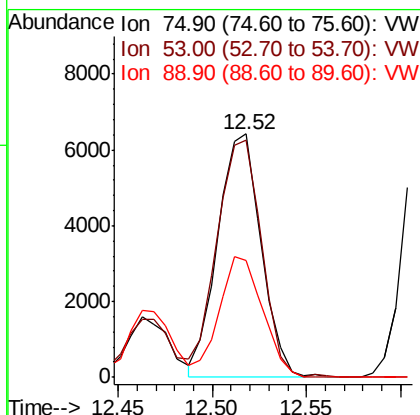
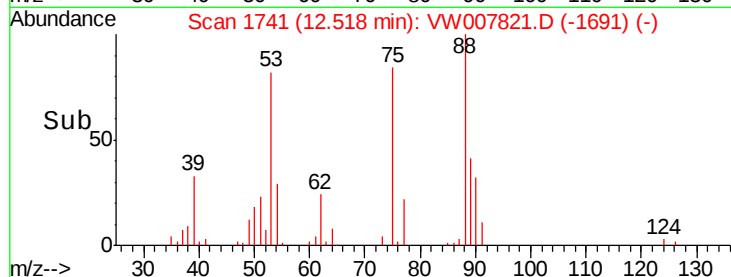
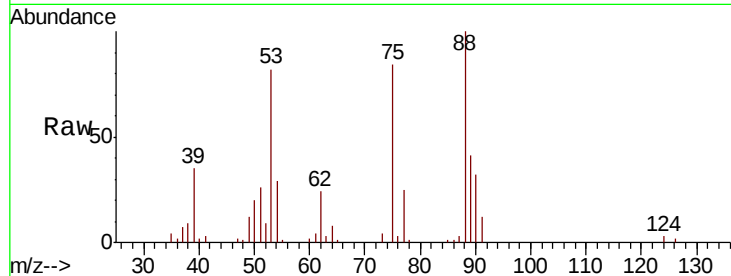
#81
trans-1,4-Dichloro-2-butene
Concen: 51.960 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.6	80.2	120.2
89	49.6	39.2	58.8

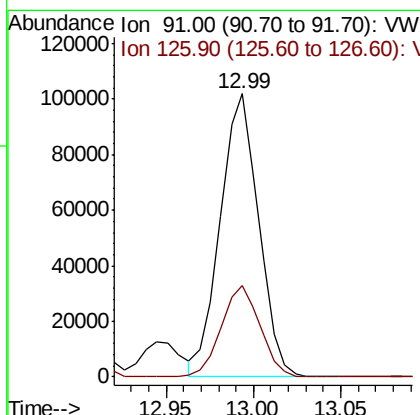
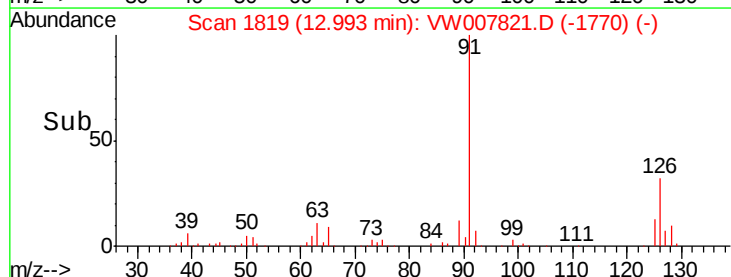
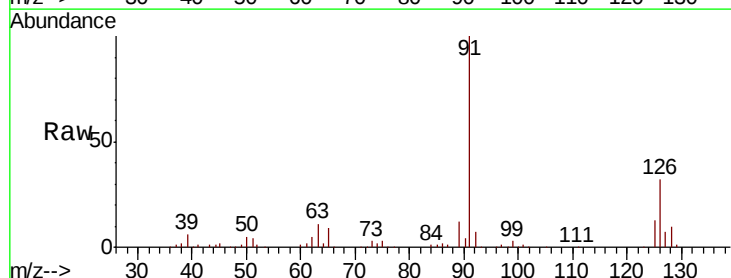
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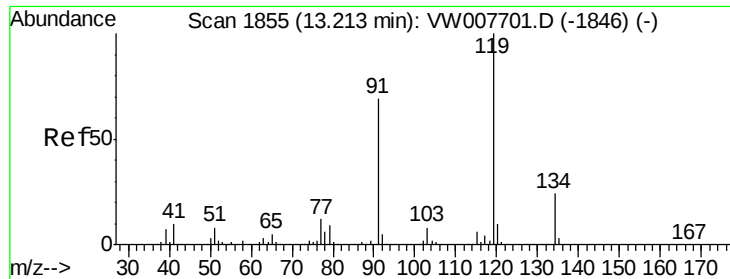
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#82
4-Chlorotoluene
Concen: 53.025 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.5	49.5





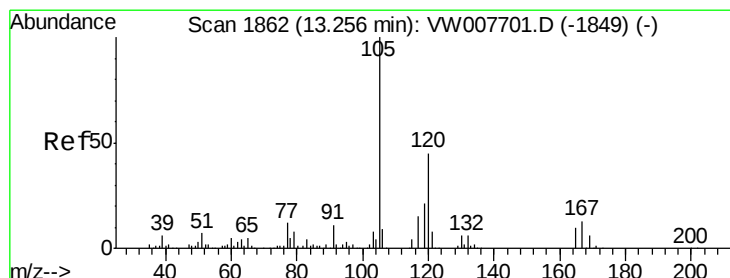
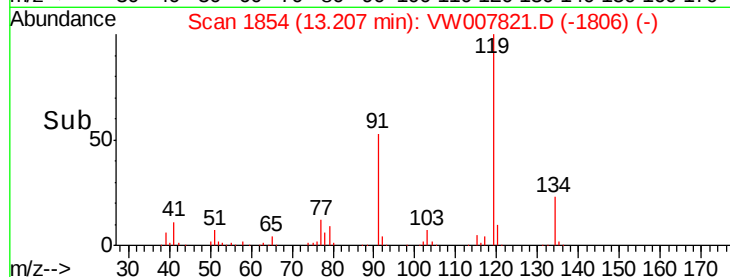
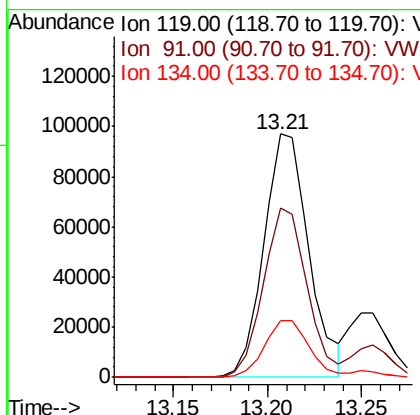
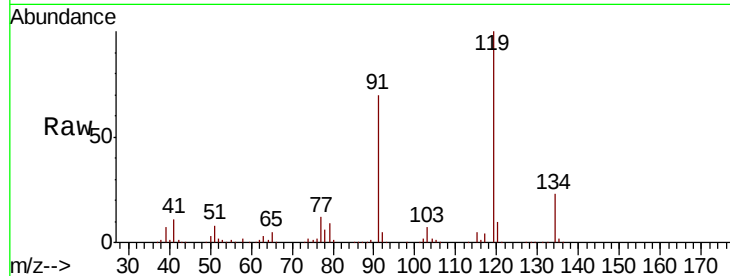
#83
tert-Butylbenzene
Concen: 52.335 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	161105		
91	67.3	34.2	102.5	
134	23.3	12.8	38.4	

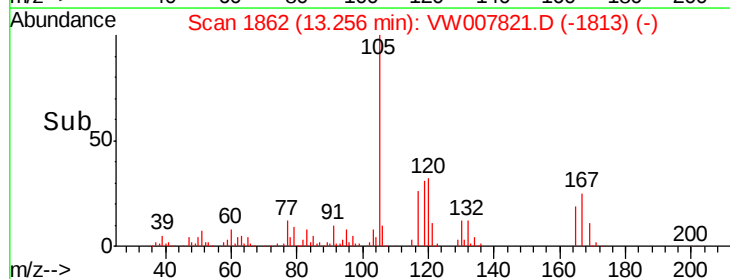
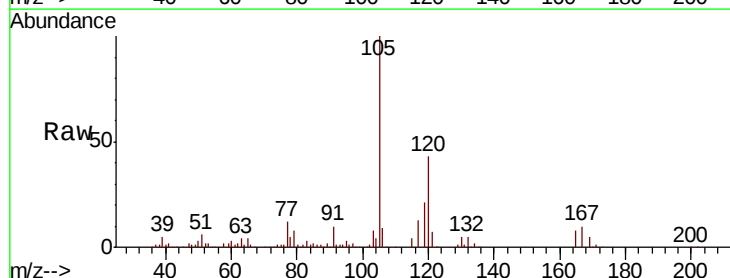
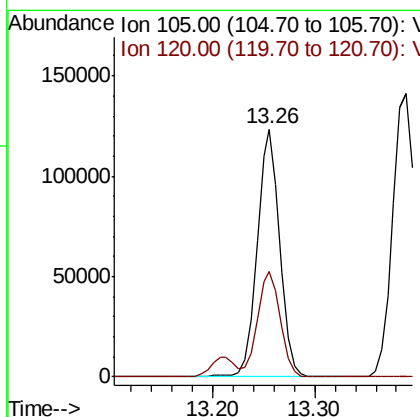
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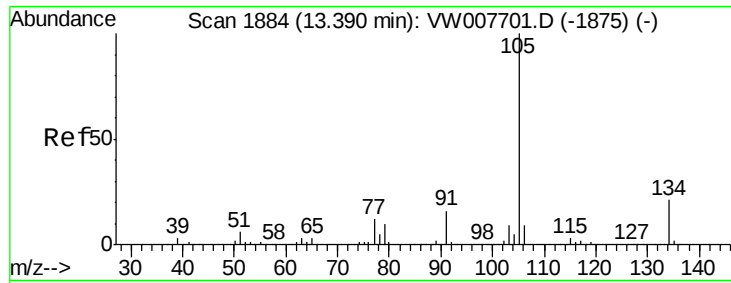
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.463 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	189269		
120	43.5	22.0	66.0	





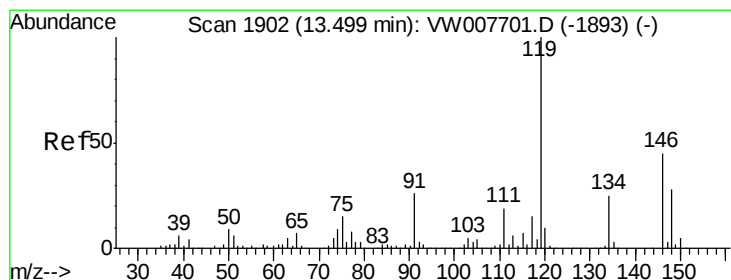
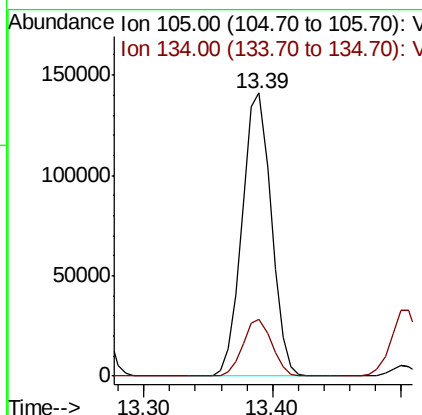
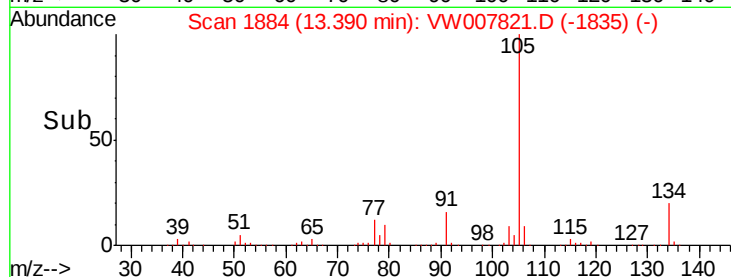
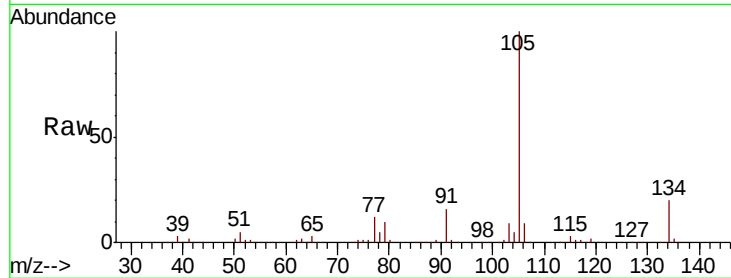
#85
 sec-Butylbenzene
 Concen: 51.894 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.2	30.4

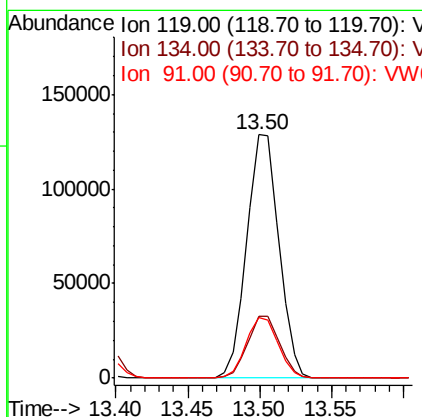
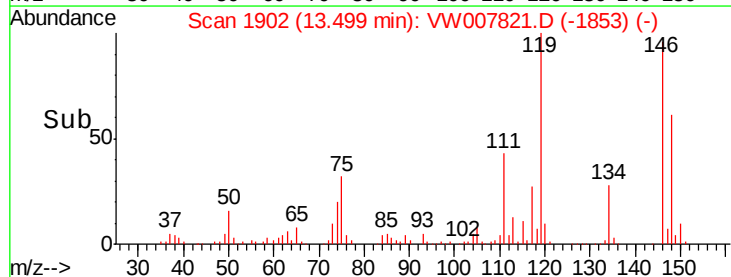
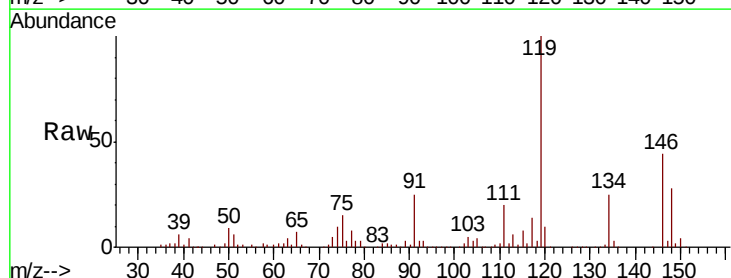
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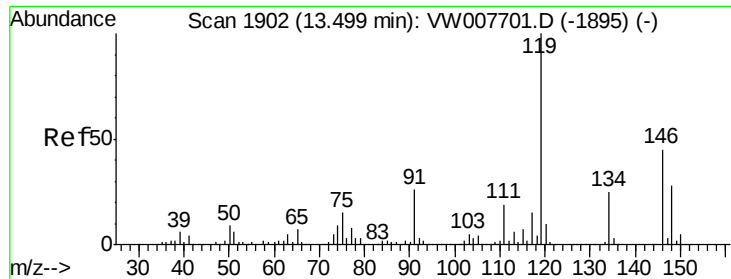
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#86
 p-Isopropyltoluene
 Concen: 51.508 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	39.0
91	24.8	12.8	38.4





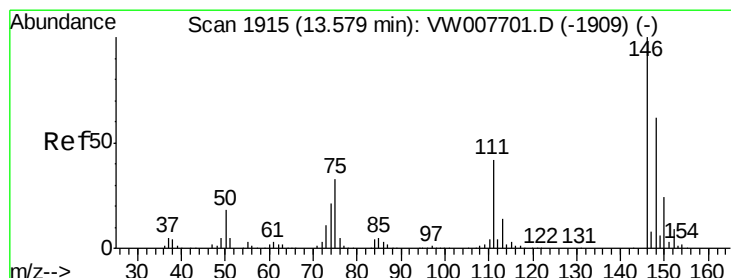
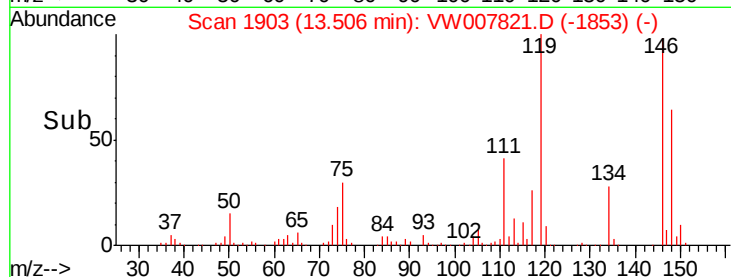
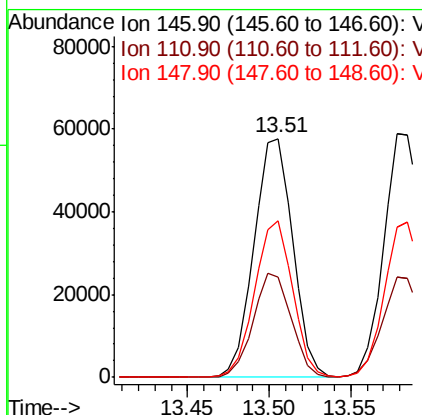
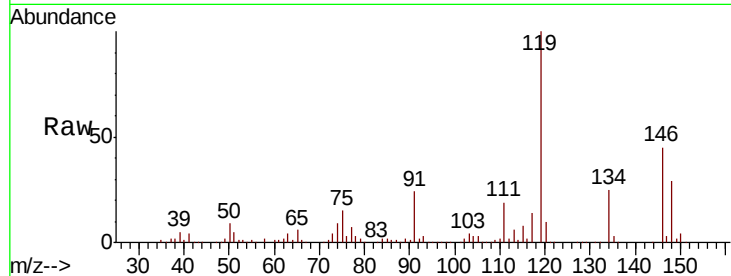
#87
 1,3-Dichlorobenzene
 Concen: 51.760 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	64.0	32.1	96.5

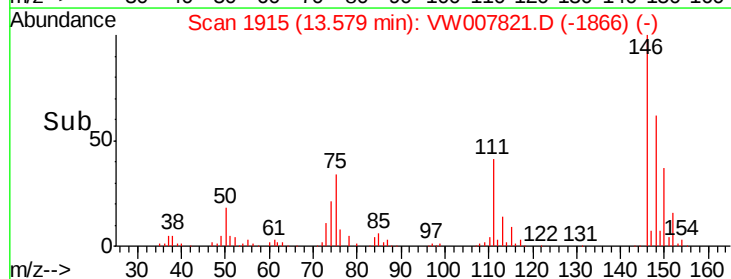
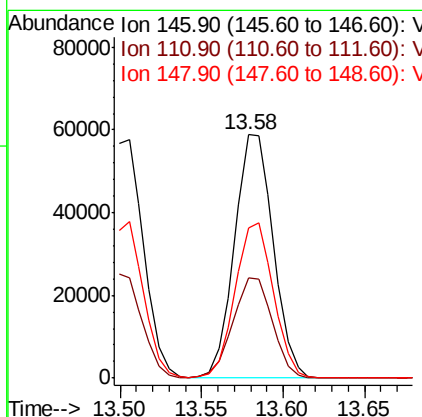
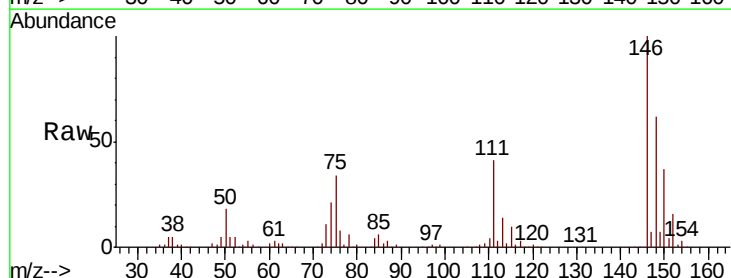
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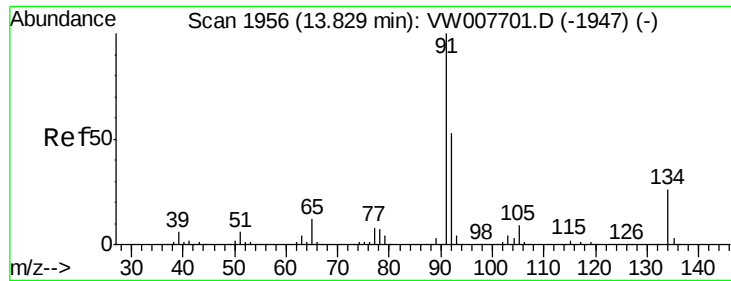
MMDadoda
 12/26/2018 10:59:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.648 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	63.2	31.8	95.4





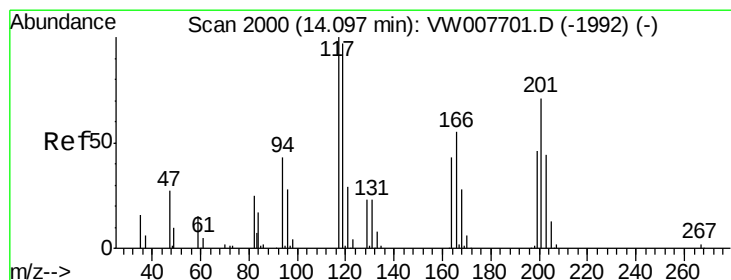
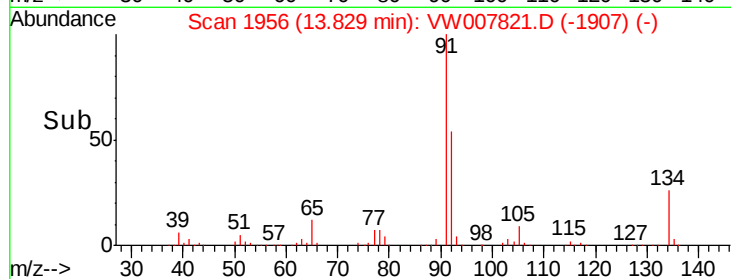
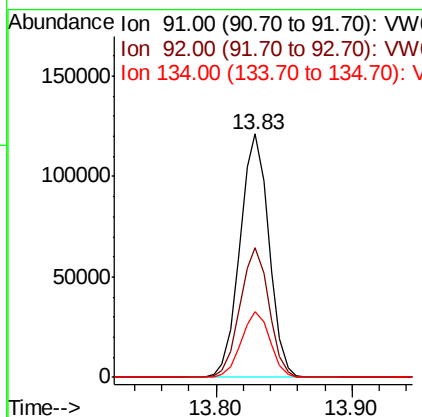
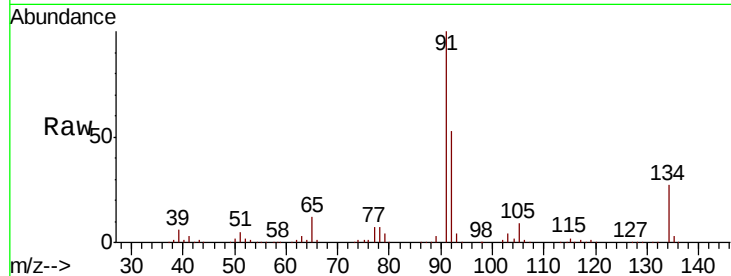
#89
n-Butylbenzene
Concen: 50.956 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	26.8	13.7	41.0

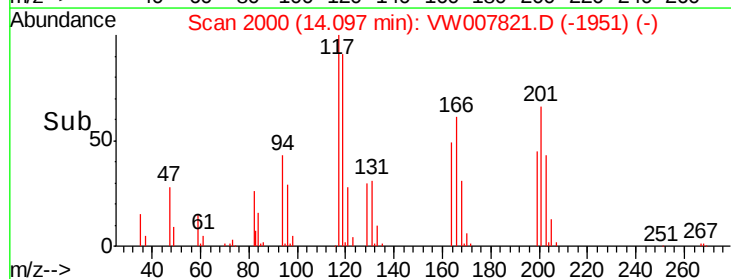
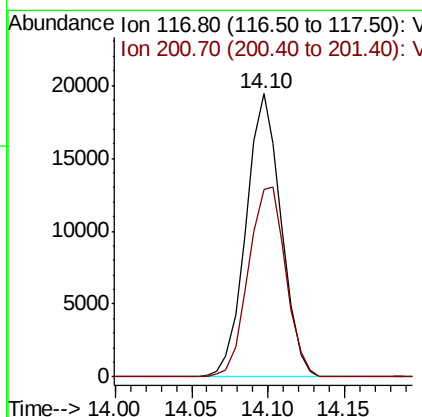
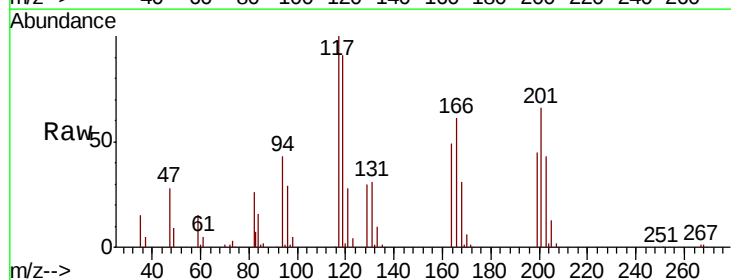
Manual Integrations
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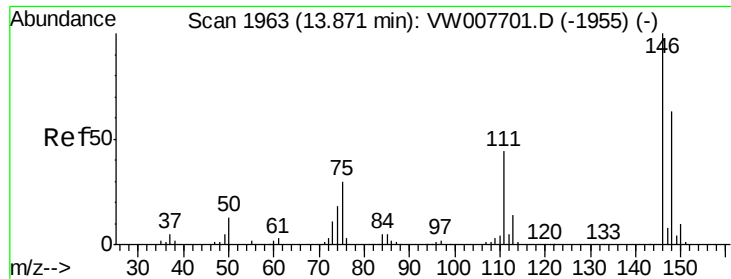
MMDadoda
12/26/2018 10:59:36 AM



#90
Hexachloroethane
Concen: 45.719 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	36.2	108.6





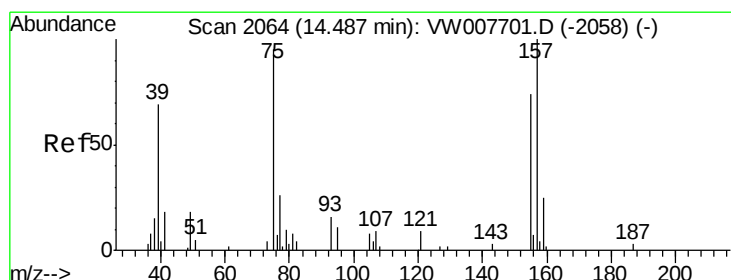
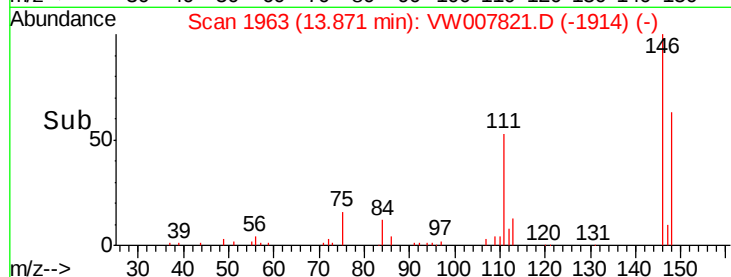
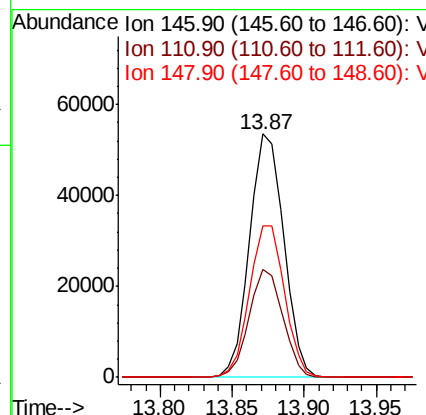
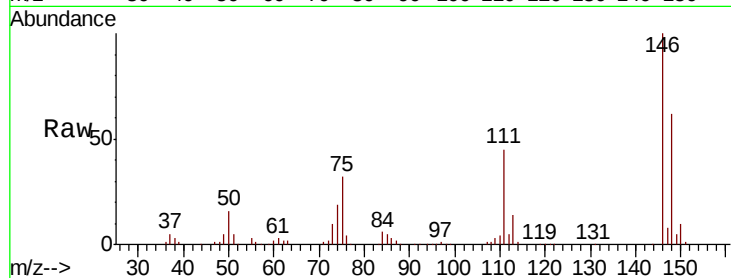
#91
 1,2-Dichlorobenzene
 Concen: 53.113 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.7	65.1
148	63.8	32.1	96.5

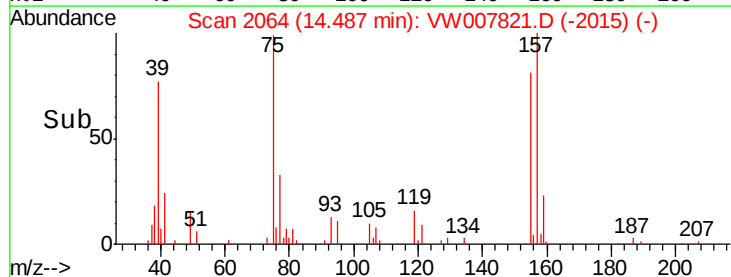
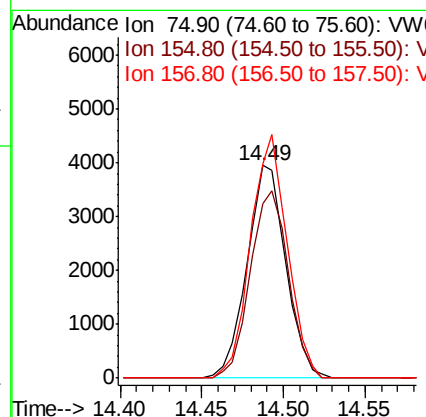
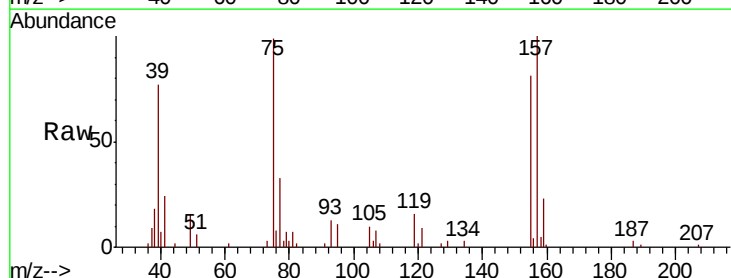
Manual Integrations
 APPROVED

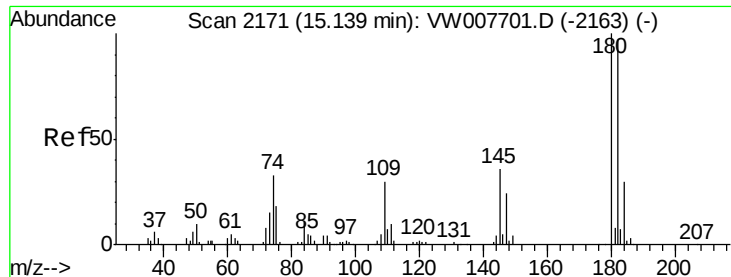
MMDadoda
 12/26/2018 10:59:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.181 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	39.4	118.1
157	107.8	52.0	156.0





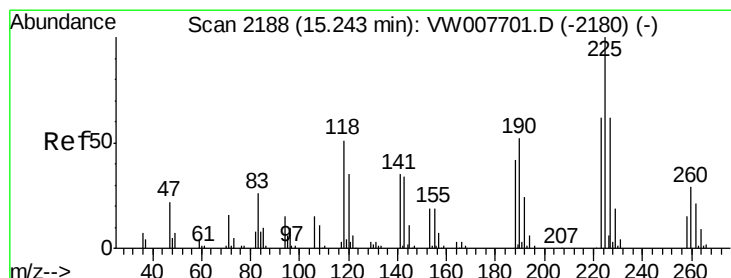
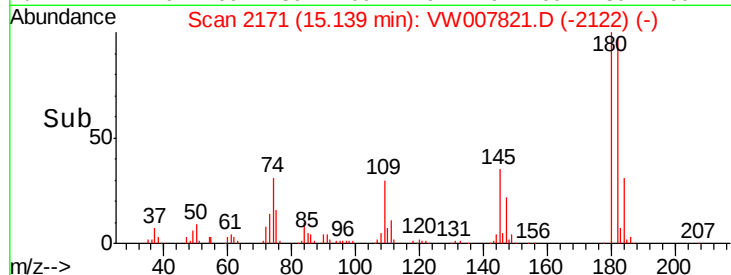
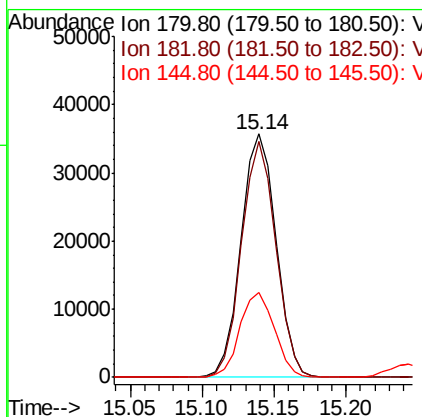
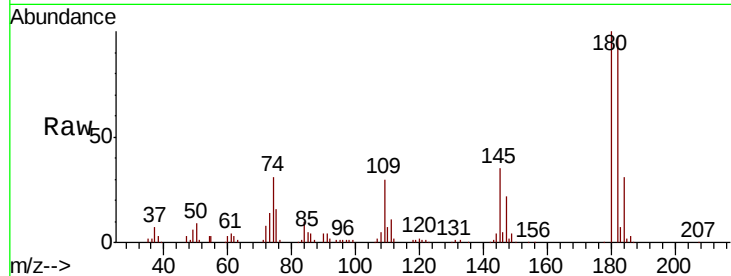
#93
 1,2,4-Trichlorobenzene
 Concen: 52.547 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60441		
182	94.3		47.5	142.6
145	34.4		17.5	52.5

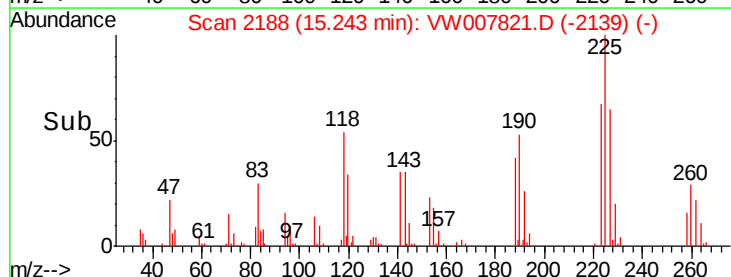
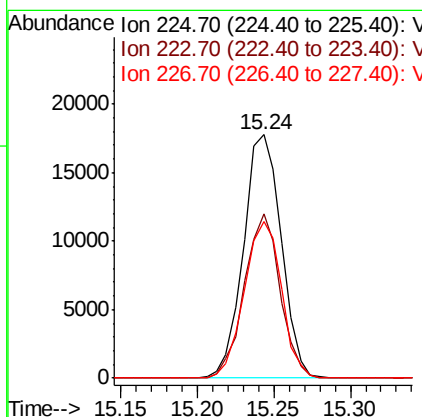
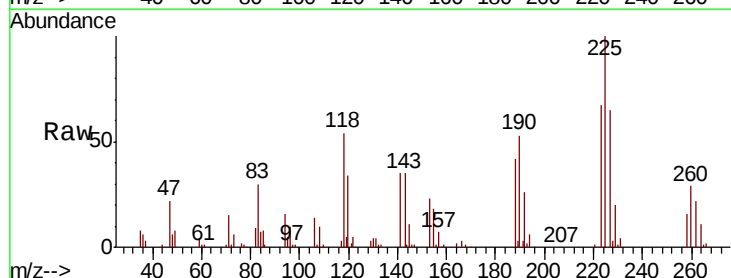
Manual Integrations
 APPROVED

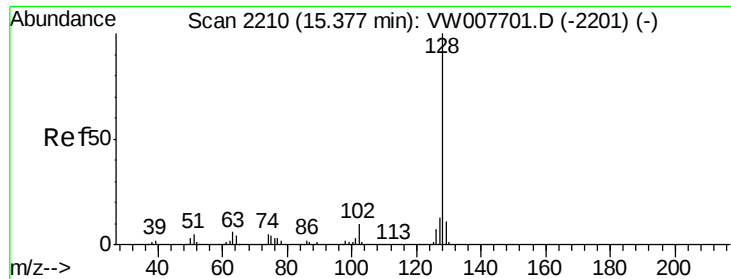
MMDadoda
 12/26/2018 10:59:36 AM



#94
 Hexachlorobutadiene
 Concen: 49.624 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007821.D
 Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30504		
223	63.8		31.6	94.8
227	63.5		32.1	96.3





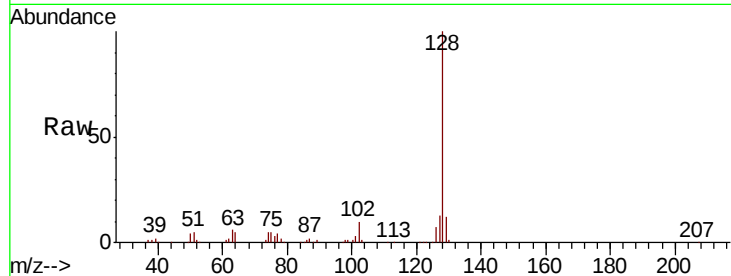
#95
Naphthalene
Concen: 59.609 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	126765		
127	13.3		10.7	16.1
129	11.1		8.8	13.2

Manual Integrations
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MMDadoda
12/26/2018 10:59:36 AM

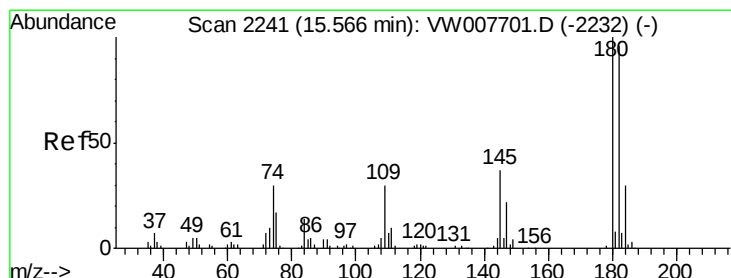
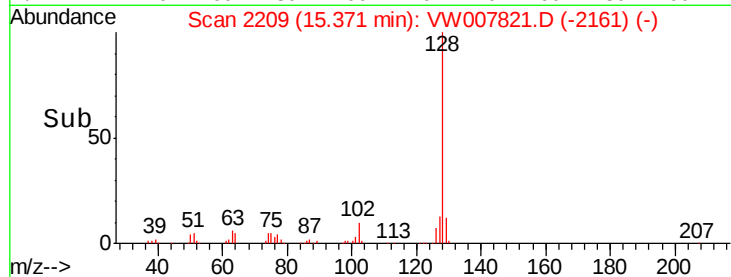
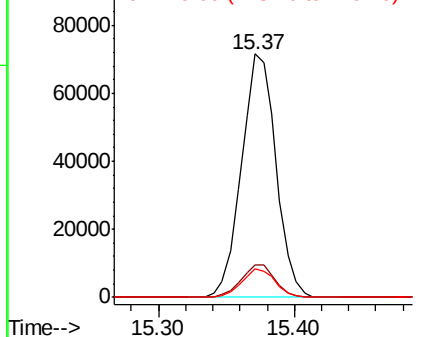


Abundance

Ion 128.00 (127.70 to 128.70): V

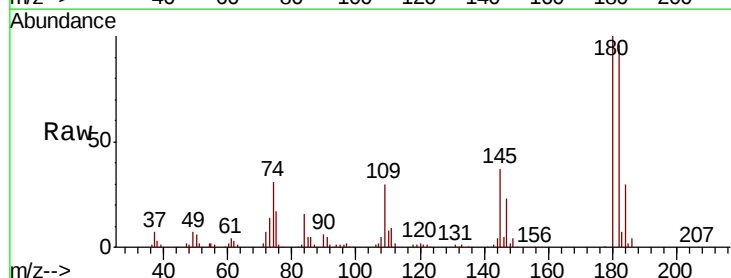
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.813 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007821.D
Acq: 22 Dec 2018 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	52984		
182	95.4		47.4	142.2
145	36.6		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

