

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007374.D
 Acq On : 11 Dec 2018 00:31
 Operator : SY/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:55:42 PM

Quant Time: Dec 11 01:58:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 01:34:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	86960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	65213	77.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.72%	
35) Dibromofluoromethane	7.88	113	60680	71.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.18%	
50) Toluene-d8	10.32	98	228612	62.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.90%	
62) 4-Bromofluorobenzene	12.62	95	82946	60.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	39842	44.484	ug/l	99
3) Chloromethane	2.21	50	33592	30.699	ug/l	96
4) Vinyl Chloride	2.37	62	40965	56.534	ug/l	96
5) Bromomethane	2.78	94	27624	72.831	ug/l	97
6) Chloroethane	2.93	64	23018	56.349	ug/l	100
7) Trichlorofluoromethane	3.26	101	38698	29.281	ug/l	100
8) Diethyl Ether	3.68	74	29172	70.244	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61135	68.705	ug/l	99
10) Methyl Iodide	4.26	142	101872	115.792	ug/l	98
11) Tert butyl alcohol	5.17	59	21472	231.100	ug/l	98
12) 1,1-Dichloroethene	4.03	96	59466	70.868	ug/l	96
13) Acrolein	3.89	56	13660	250.748	ug/l	99
14) Allyl chloride	4.67	41	88210	66.680	ug/l	99
15) Acrylonitrile	5.37	53	62329	364.515	ug/l	98
16) Acetone	4.12	43	56772	308.985	ug/l	95
17) Carbon Disulfide	4.37	76	181613	67.057	ug/l	98
18) Methyl Acetate	4.67	43	31432	71.294	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	89881	48.744	ug/l	97
20) Methylene Chloride	4.91	84	63425	55.898	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	66224	70.693	ug/l	98
22) Diisopropyl ether	6.31	45	168658	70.480	ug/l	98
23) Vinyl Acetate	6.25	43	493288	376.090	ug/l	98
24) 1,1-Dichloroethane	6.21	63	112965	72.625	ug/l	98
25) 2-Butanone	7.17	43	77142	349.756	ug/l	97
26) 2,2-Dichloropropane	7.17	77	74440	52.709	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	73246	72.531	ug/l	99
28) Bromochloromethane	7.51	49	43226	75.932	ug/l	97
29) Tetrahydrofuran	7.53	42	49214	357.087	ug/l	97
30) Chloroform	7.67	83	123526	75.669	ug/l	99
31) Cyclohexane	7.96	56	97919	61.856	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	108629	72.004	ug/l	99
36) 1,1-Dichloropropene	8.08	75	96025	68.845	ug/l	99
37) Ethyl Acetate	7.25	43	33841	67.036	ug/l	99
38) Carbon Tetrachloride	8.07	117	105160	72.690	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	119531	64.723	ug/l	93
40) Benzene	8.32	78	263942	68.509	ug/l	99
41) Methacrylonitrile	7.48	41	21278	70.645	ug/l	98
42) 1,2-Dichloroethane	8.40	62	81908	74.288	ug/l	99
43) Isopropyl Acetate	8.43	43	70114	70.904	ug/l	99
44) Trichloroethene	9.09	130	75039	69.555	ug/l	99
45) 1,2-Dichloropropane	9.37	63	58626	65.325	ug/l	96
46) Dibromomethane	9.46	93	34552	73.026	ug/l	97
47) Bromodichloromethane	9.65	83	90223	72.425	ug/l	99
48) Methyl methacrylate	9.44	41	35043	68.932	ug/l	95
49) 1,4-Dioxane	9.45	88	11761	1445.580	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	173419	360.421	ug/l	98
52) Toluene	10.39	92	171657	64.661	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	88069	71.285	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	101732	70.414	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44685	66.940	ug/l	92
56) Ethyl methacrylate	10.65	69	59077	69.112	ug/l	99
57) 1,3-Dichloropropane	10.93	76	78514	70.144	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	135673	377.921	ug/l	100
59) 2-Hexanone	10.97	43	107601	313.984	ug/l	96
60) Dibromochloromethane	11.13	129	58582	71.000	ug/l	97
61) 1,2-Dibromoethane	11.24	107	47571	74.795	ug/l	92
64) Tetrachloroethene	10.86	164	62372	71.941	ug/l	95
65) Chlorobenzene	11.66	112	188014	71.215	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	63450	76.131	ug/l	100
67) Ethyl Benzene	11.73	91	310651	64.691	ug/l	90
68) m/p-Xylenes	11.84	106	237664	126.939	ug/l	93
69) o-Xylene	12.17	106	118479	67.177	ug/l	94
70) Styrene	12.18	104	193077	67.398	ug/l	96
71) Bromoform	12.35	173	32848	78.941	ug/l #	96
73) Isopropylbenzene	12.46	105	324332	70.254	ug/l	100
74) N-amyl acetate	12.27	43	60316	74.149	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	49068	79.262	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	36037m	76.589	ug/l	
77) Bromobenzene	12.75	156	69663	68.732	ug/l	93
78) n-propylbenzene	12.81	91	376128	67.840	ug/l	100
79) 2-Chlorotoluene	12.90	91	209444	66.585	ug/l	93
80) 1,3,5-Trimethylbenzene	12.94	105	271076	68.575	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.52	75	15791	77.149	ug/l	95
82) 4-Chlorotoluene	12.99	91	217462	64.970	ug/l	91
83) tert-Butylbenzene	13.21	119	252752	72.428	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	277673	68.643	ug/l	98
85) sec-Butylbenzene	13.39	105	321666	65.392	ug/l	96
86) p-Isopropyltoluene	13.51	119	289077	65.345	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	142045	68.558	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	147931	71.397	ug/l	93
89) n-Butylbenzene	13.83	91	274924	66.889	ug/l	97
90) Hexachloroethane	14.10	117	53195	78.074	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	128352	72.106	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9705	80.990	ug/l	99

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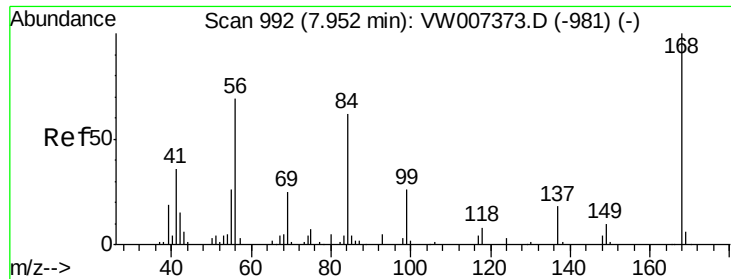
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	88477	71.709	ug/l	93
94) Hexachlorobutadiene	15.24	225	47485	71.213	ug/l	96
95) Naphthalene	15.38	128	168863	75.212	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	74999	70.996	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tgt Ion: 168 Resp: 86960

Ion Ratio Lower Upper

168 100

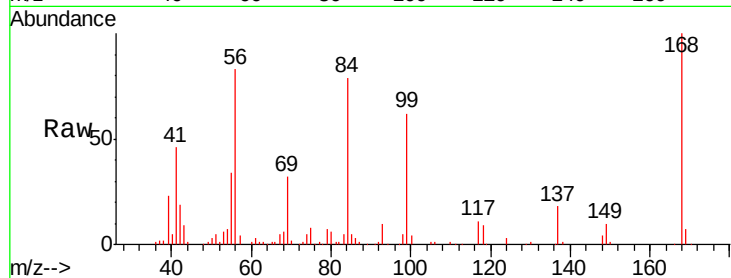
99 61.6 48.3 72.5

Manual Integrations

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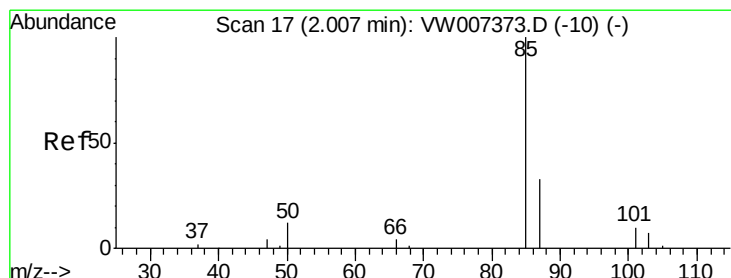
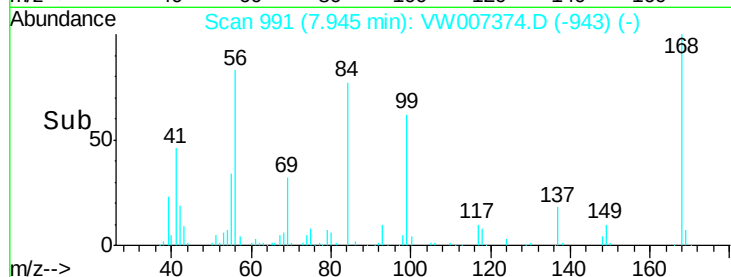
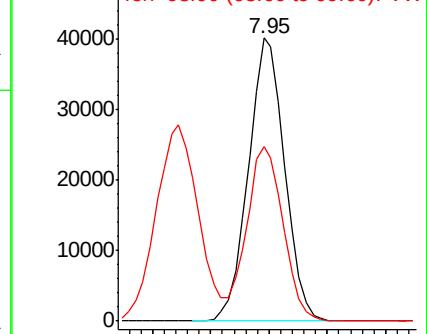
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 44.484 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW007374.D

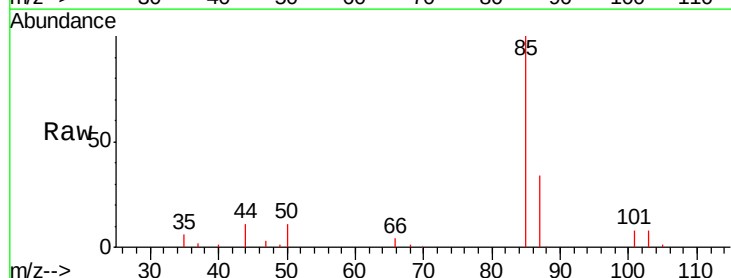
Acq: 11 Dec 2018 00:31

Tgt Ion: 85 Resp: 39842

Ion Ratio Lower Upper

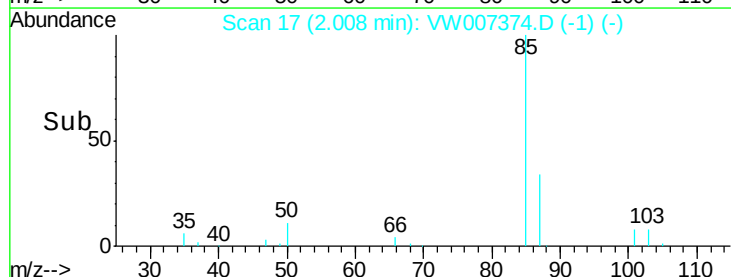
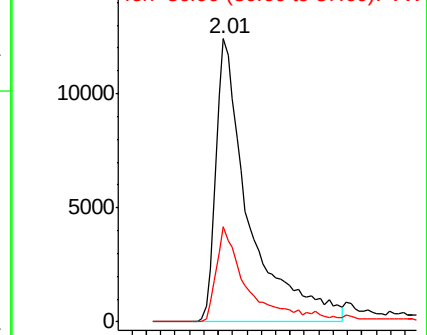
85 100

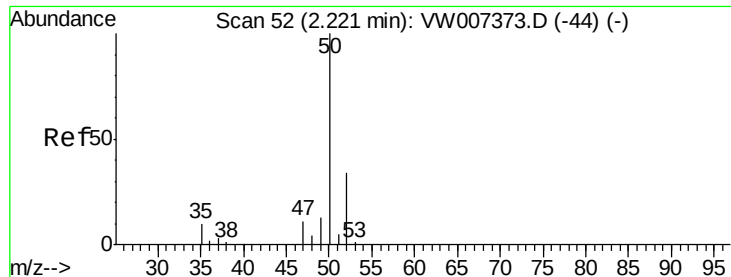
87 33.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 30.699 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tgt Ion: 50 Resp: 33592

Ion Ratio Lower Upper

50 100

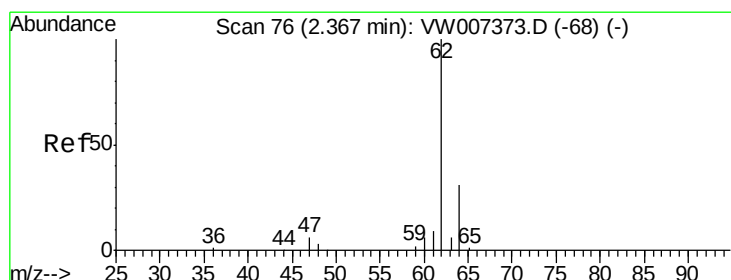
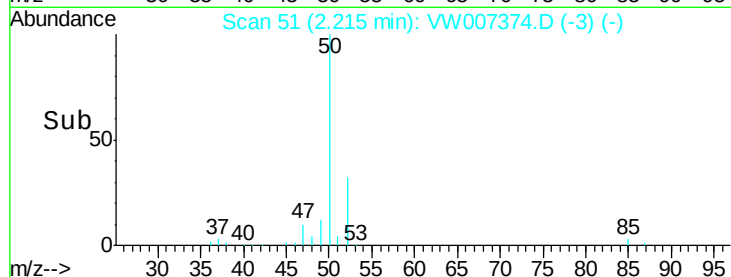
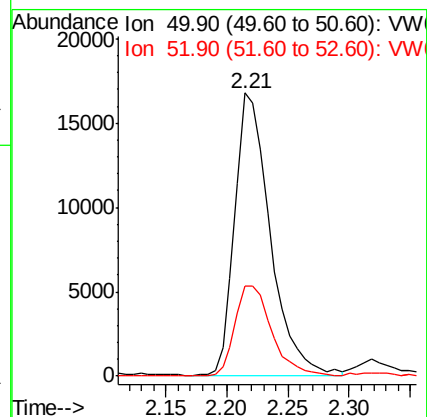
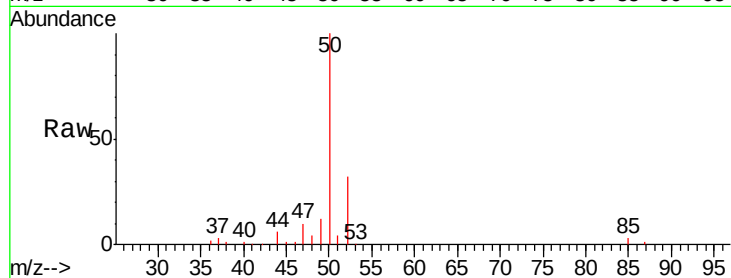
52 32.0 27.4 41.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 56.534 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007374.D

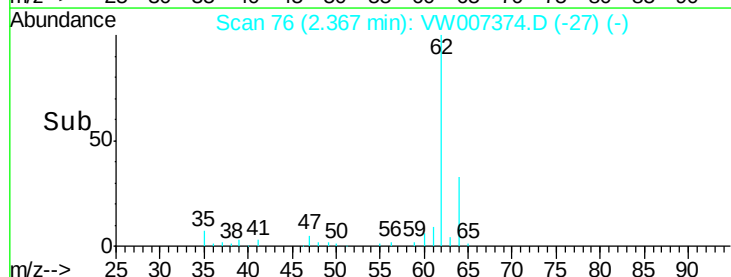
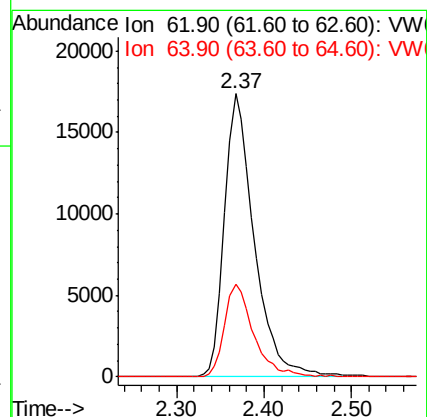
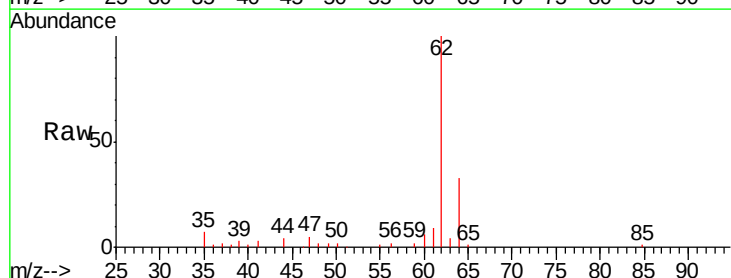
Acq: 11 Dec 2018 00:31

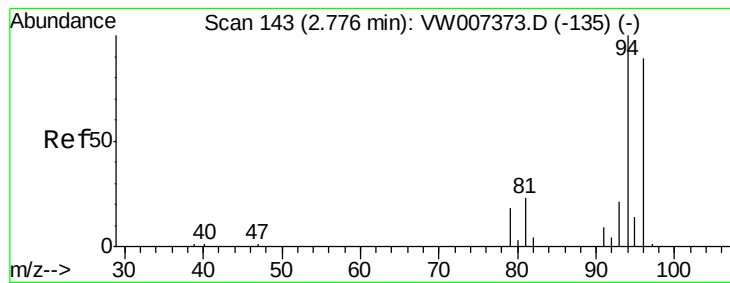
Tgt Ion: 62 Resp: 40965

Ion Ratio Lower Upper

62 100

64 32.9 24.6 37.0





#5

Bromomethane

Concen: 72.831 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tgt Ion: 94 Resp: 27624

Ion Ratio Lower Upper

94 100

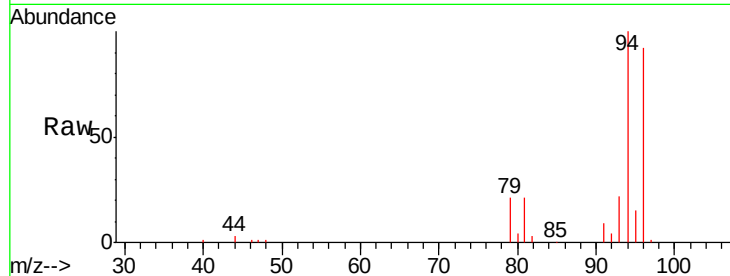
96 91.9 71.0 106.4

Manual Integrations

APPROVED

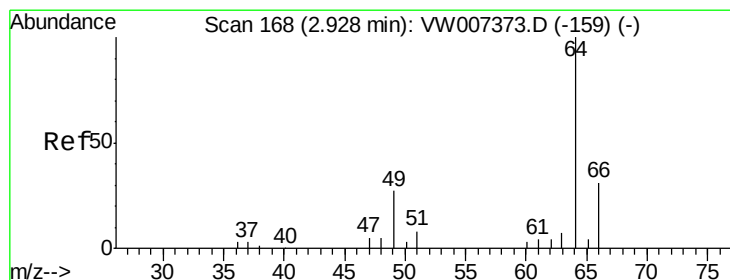
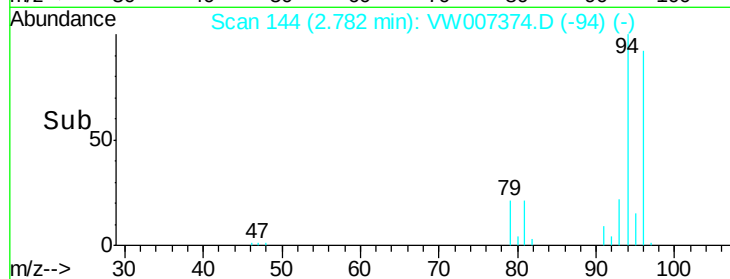
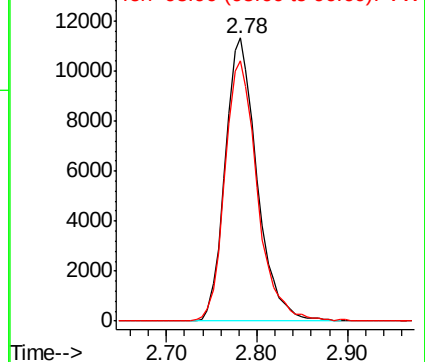
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 56.349 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007374.D

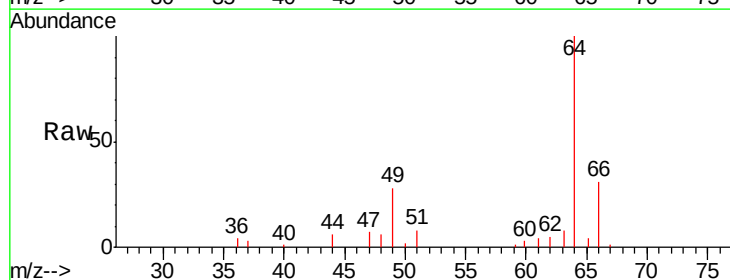
Acq: 11 Dec 2018 00:31

Tgt Ion: 64 Resp: 23018

Ion Ratio Lower Upper

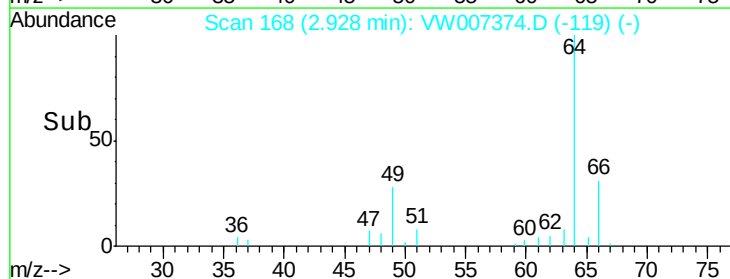
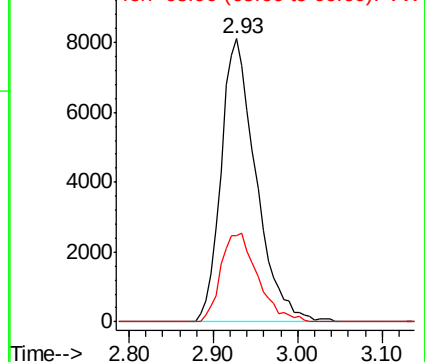
64 100

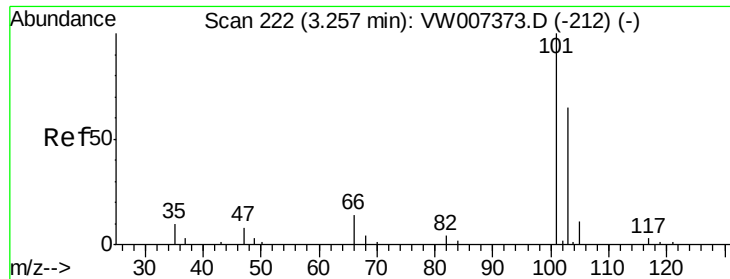
66 30.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

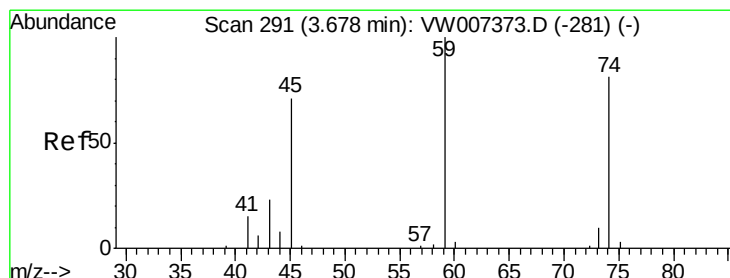
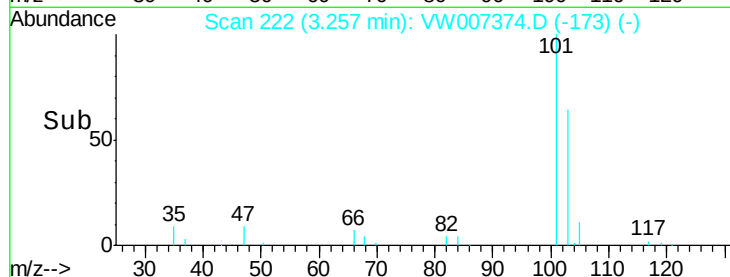
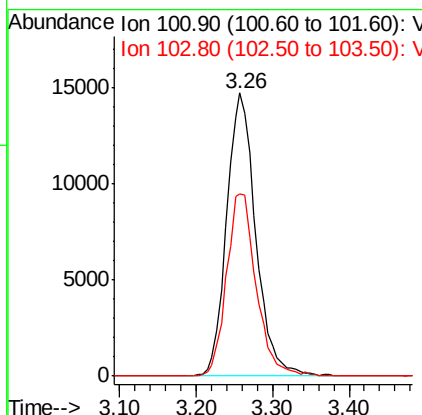
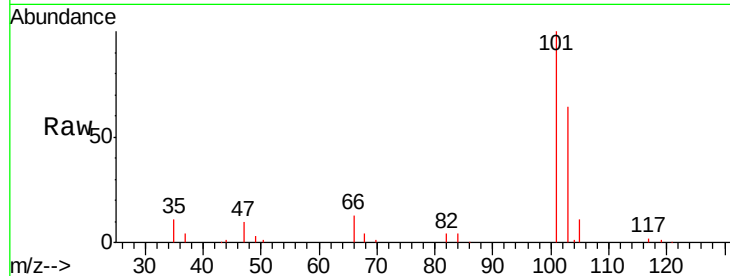
Trichlorofluoromethane
Concen: 29.281 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
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VSTDIC075

Tgt Ion: 101 Resp: 38698
Ion Ratio Lower Upper
101 100
103 64.2 51.7 77.5

Manual Integrations
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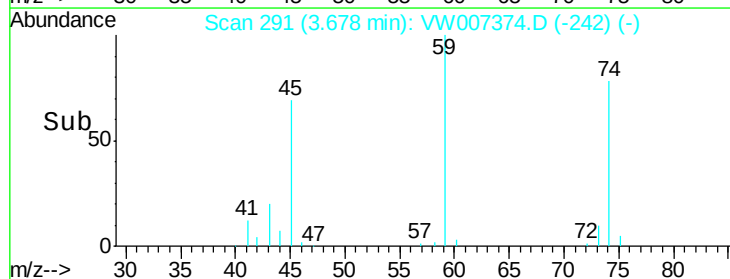
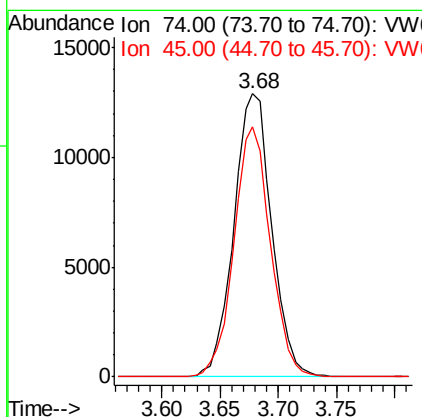
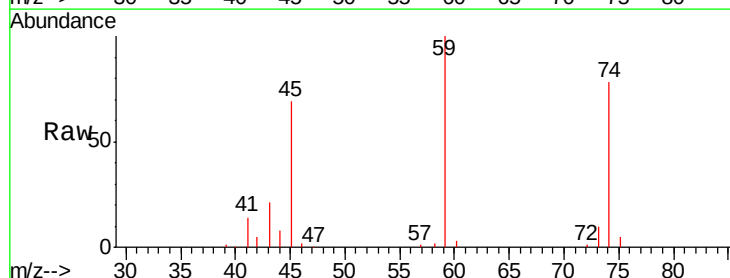
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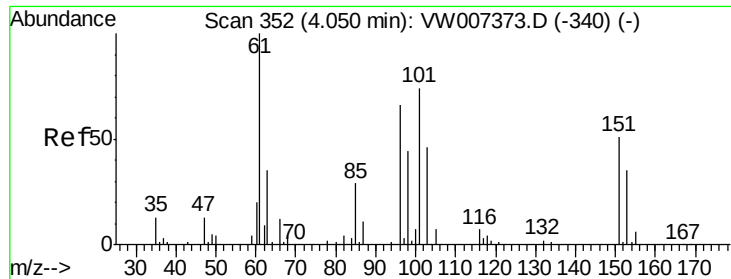


#8

Diethyl Ether
Concen: 70.244 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion: 74 Resp: 29172
Ion Ratio Lower Upper
74 100
45 85.1 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 68.705 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

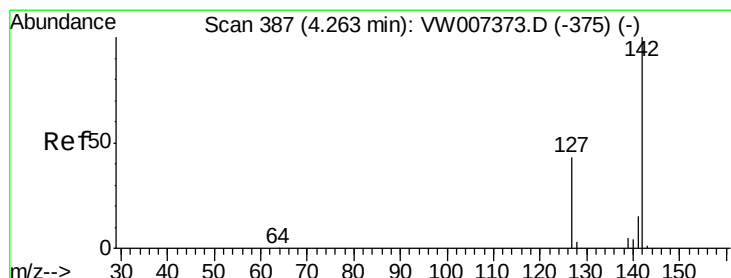
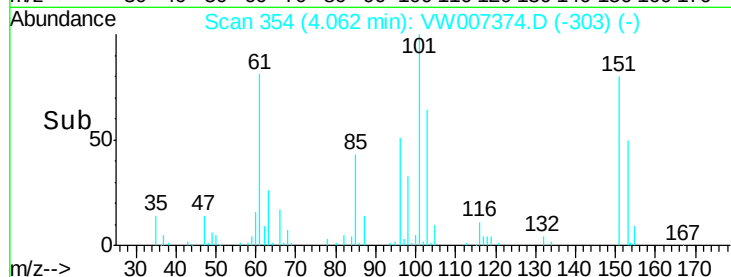
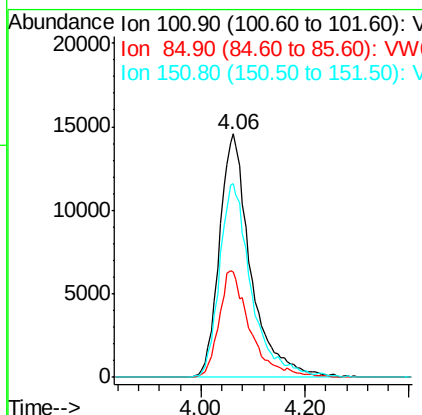
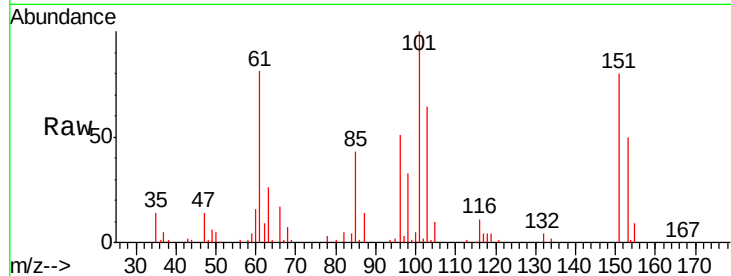
ClientSampleId :

VSTDIC075

Tgt Ion:	101	Resp:	61135
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.9	50.9
151	80.7	63.7	95.5

Manual Integrations
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#10

Methyl Iodide

Concen: 115.792 ug/l

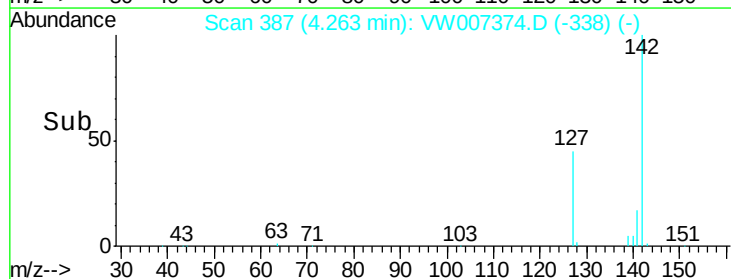
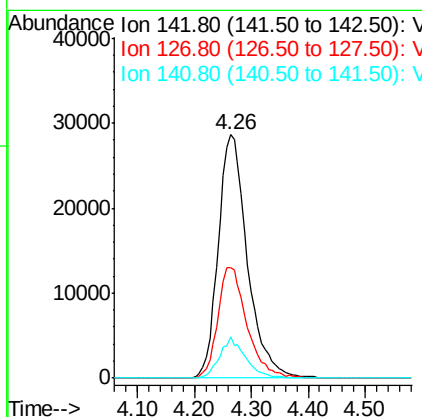
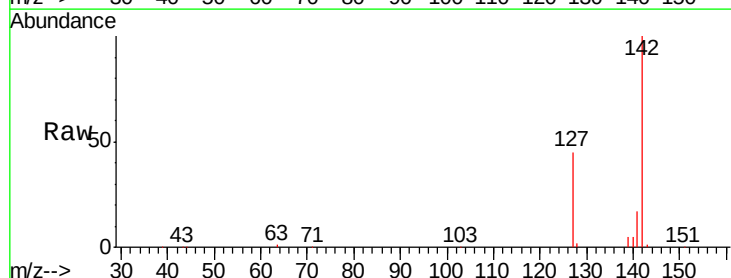
RT: 4.26 min Scan# 387

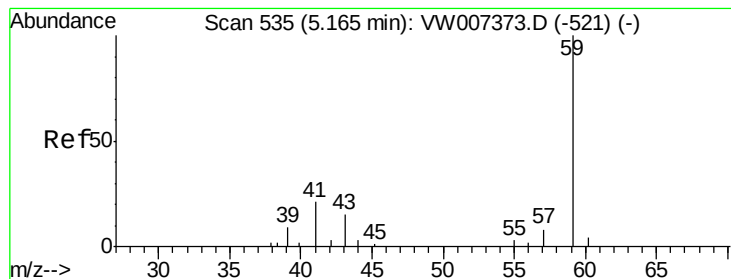
Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Tgt Ion:	142	Resp:	101872
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.8	53.6
141	15.0	11.1	16.7





#11

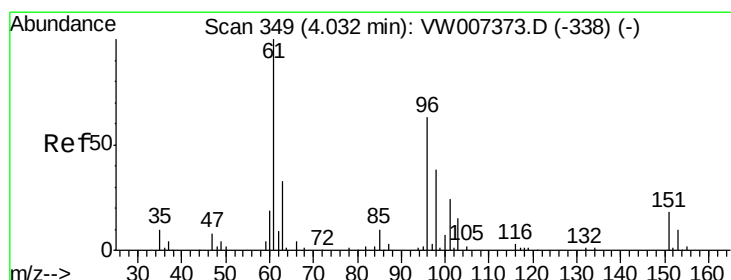
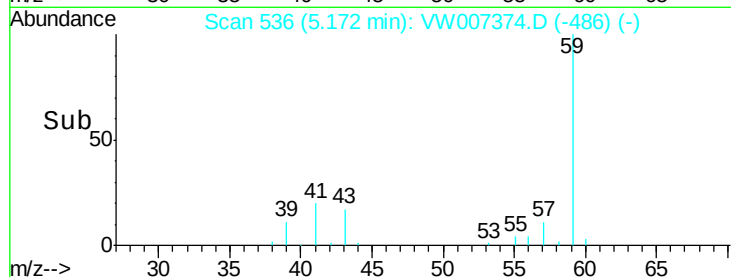
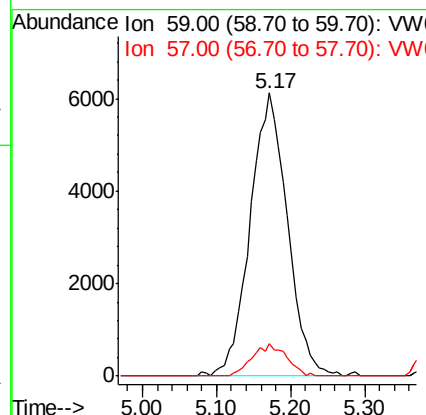
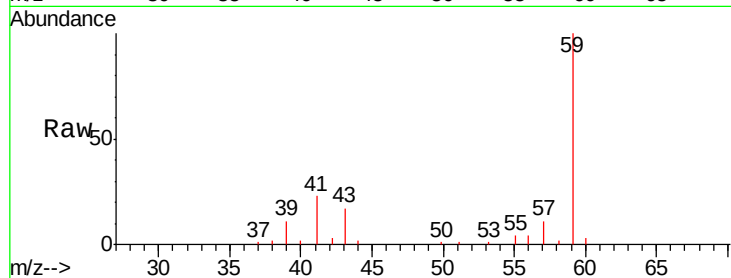
Tert butyl alcohol
 Concen: 231.100 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.6	11.4

Manual Integrations
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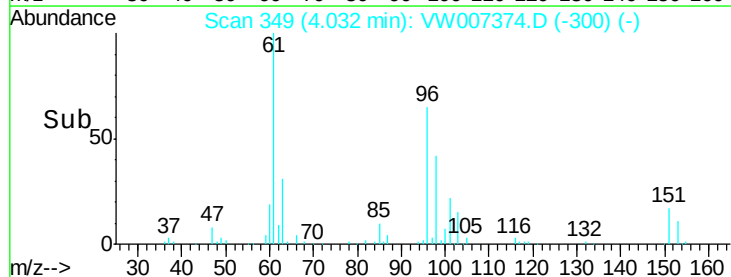
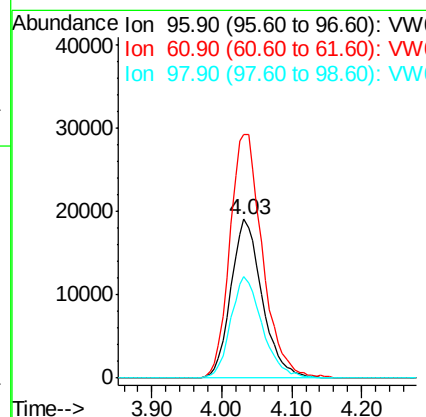
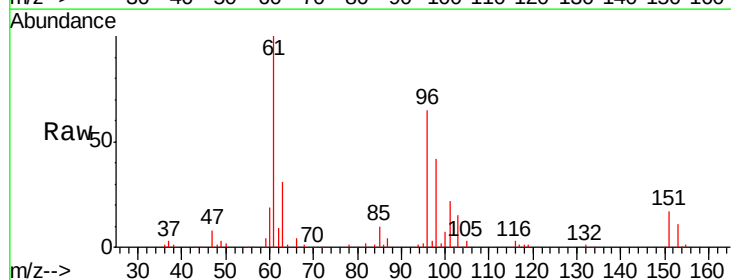
MMDadoda
 12/11/2018 4:55:42 PM

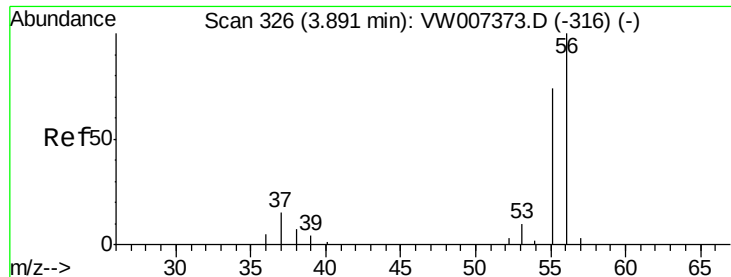


#12

1,1-Dichloroethene
 Concen: 70.868 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	126.2	189.2
98	63.7	48.3	72.5





#13

Acrolein

Concen: 250.748 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tgt Ion: 56 Resp: 13660

Ion Ratio Lower Upper

56 100

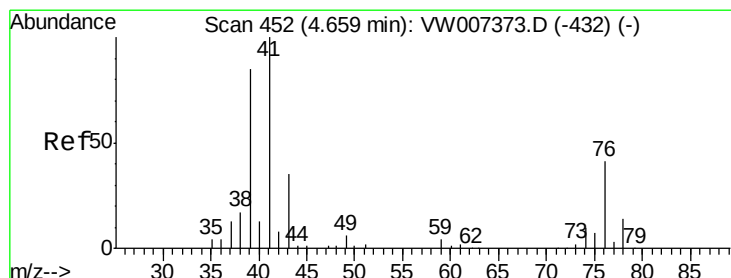
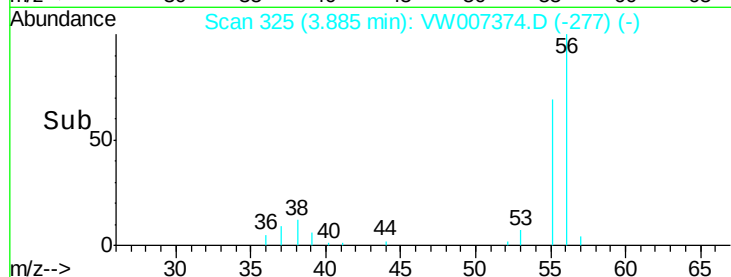
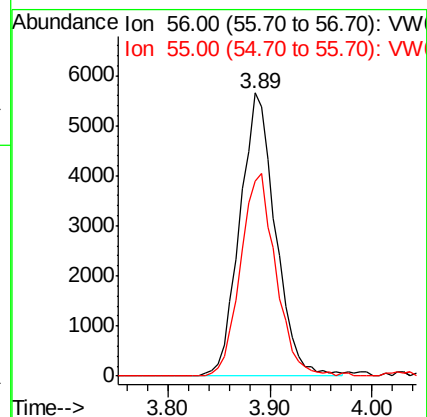
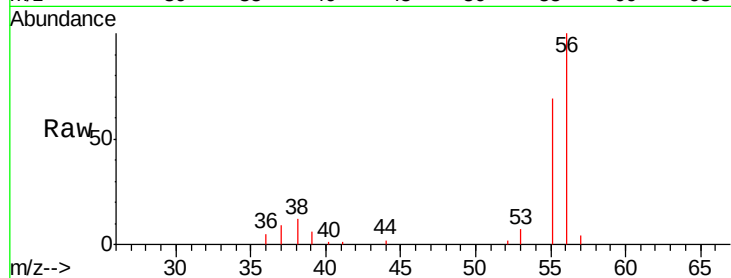
55 70.9 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 66.680 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

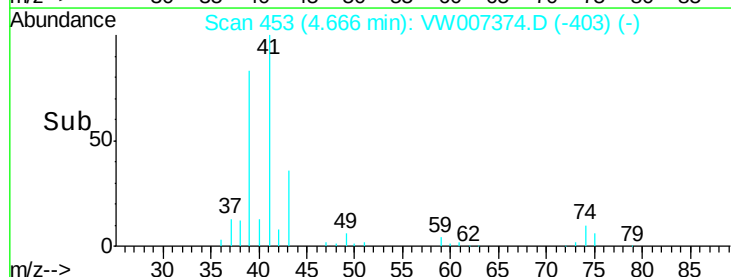
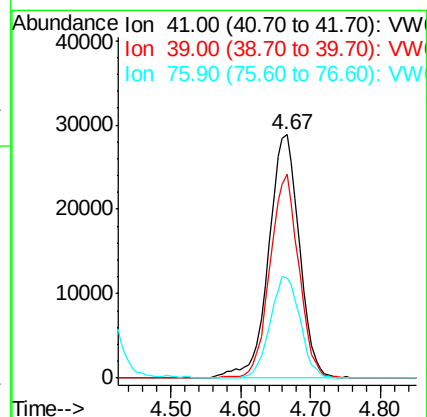
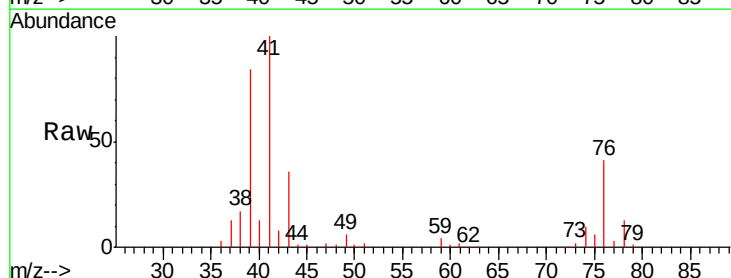
Tgt Ion: 41 Resp: 88210

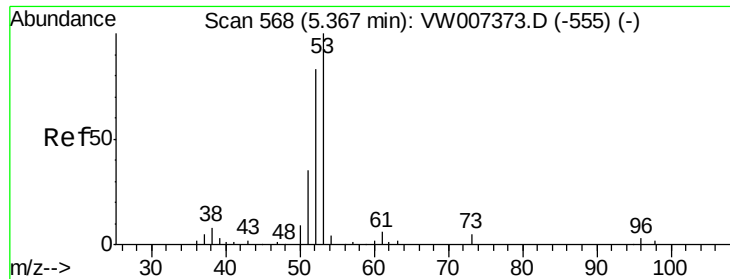
Ion Ratio Lower Upper

41 100

39 78.8 63.4 95.2

76 40.5 32.1 48.1





#15

Acrylonitrile

Concen: 364.515 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

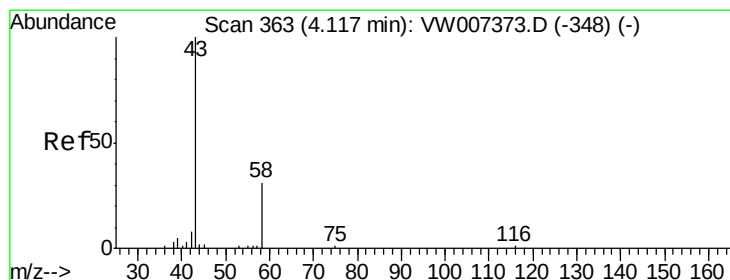
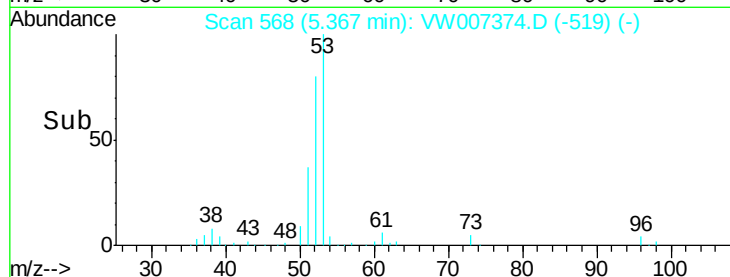
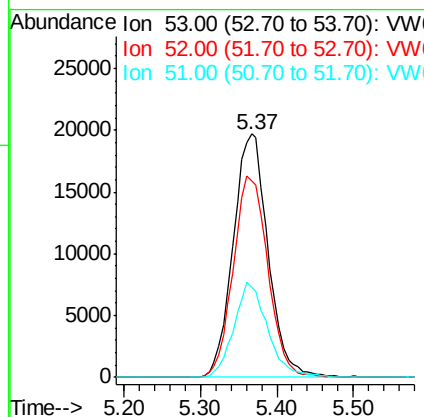
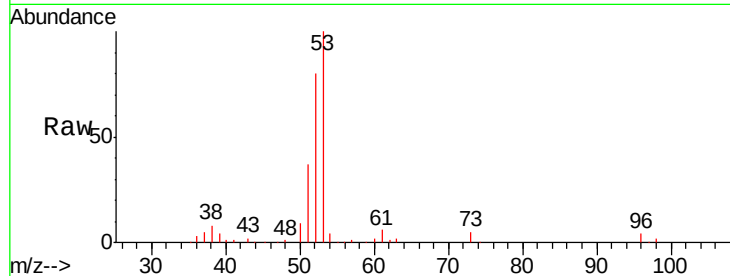
ClientSampleId :

VSTDIC075

Tgt Ion:	53	Resp:	62329
Ion	Ratio	Lower	Upper
53	100		
52	82.2	67.4	101.2
51	37.6	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 308.985 ug/l

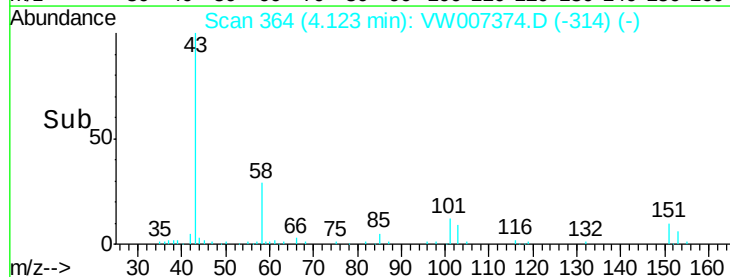
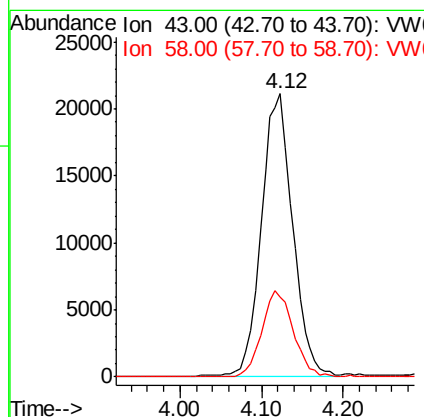
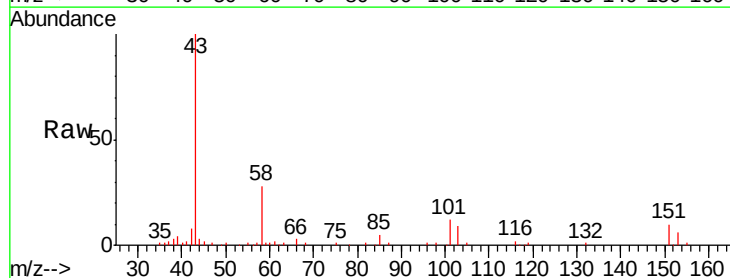
RT: 4.12 min Scan# 364

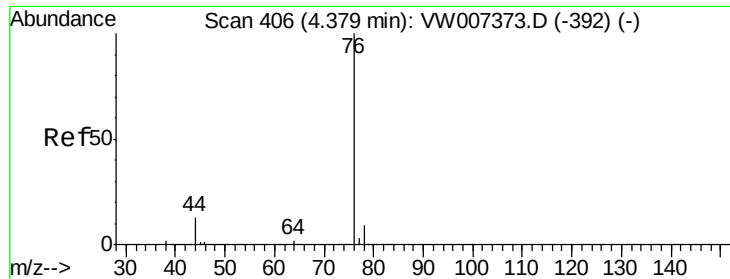
Delta R.T. 0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Tgt Ion:	43	Resp:	56772
Ion	Ratio	Lower	Upper
43	100		
58	28.4	24.9	37.3





#17

Carbon Disulfide

Concen: 67.057 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tgt Ion: 76 Resp: 181613

Ion Ratio Lower Upper

76 100

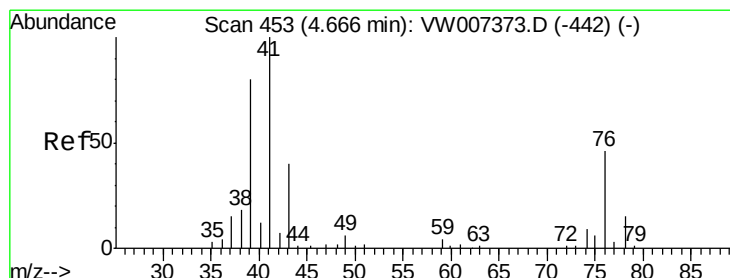
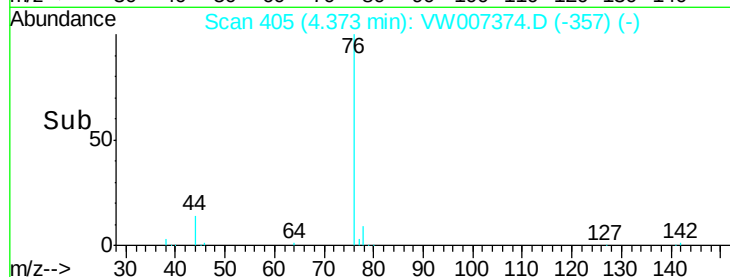
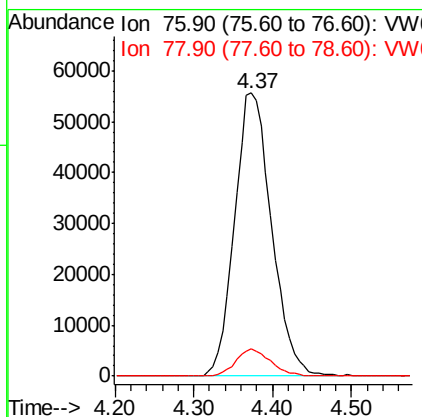
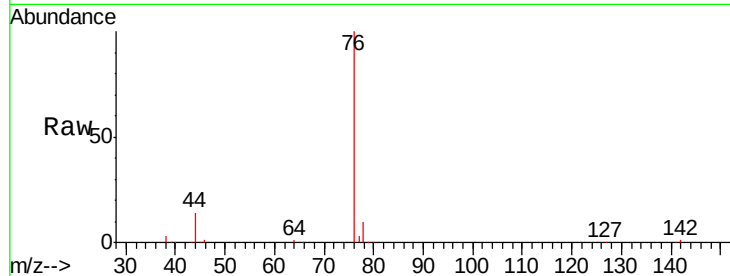
78 9.5 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 71.294 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW007374.D

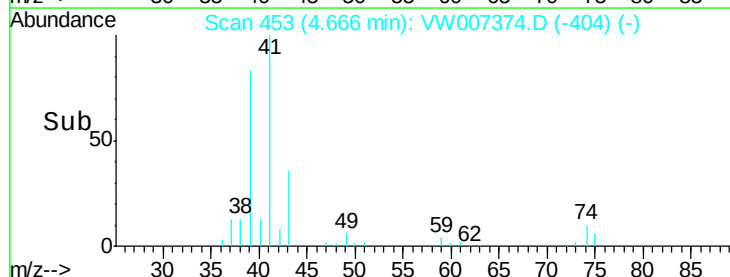
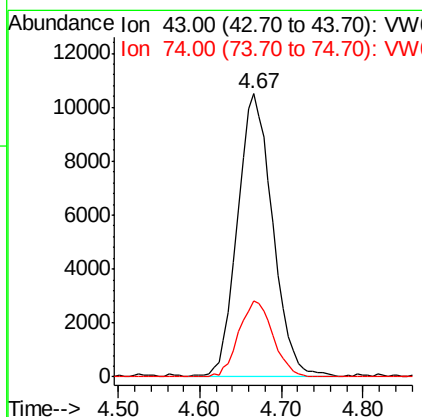
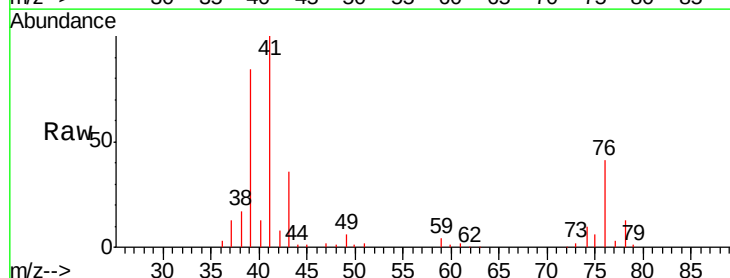
Acq: 11 Dec 2018 00:31

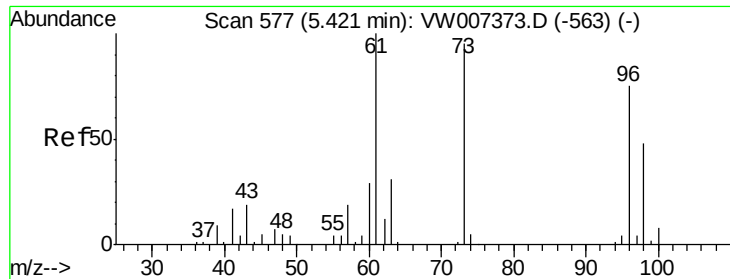
Tgt Ion: 43 Resp: 31432

Ion Ratio Lower Upper

43 100

74 26.1 21.1 31.7





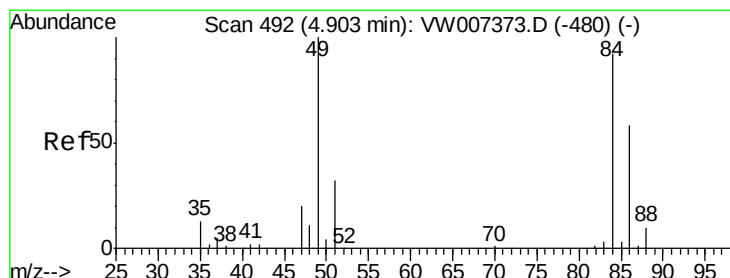
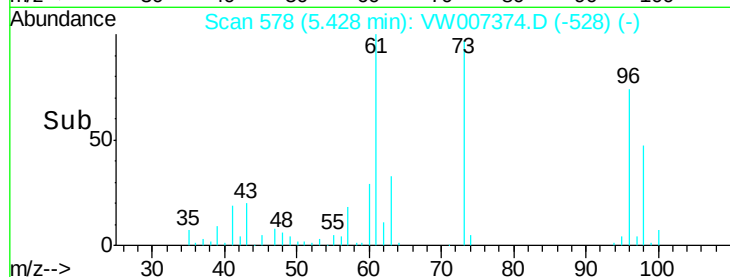
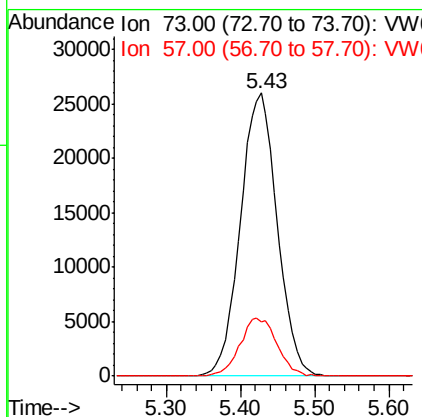
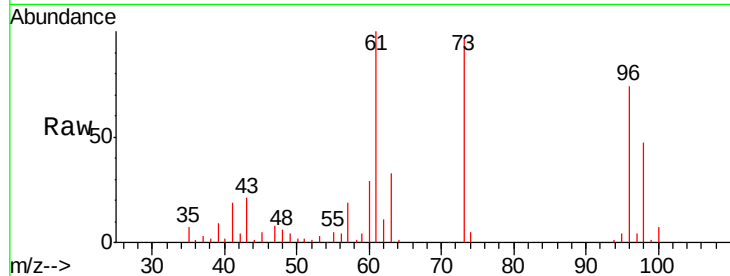
#19
Methyl tert-butyl Ether
Concen: 48.744 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion: 73 Resp: 89881
Ion Ratio Lower Upper
73 100
57 19.1 16.4 24.6

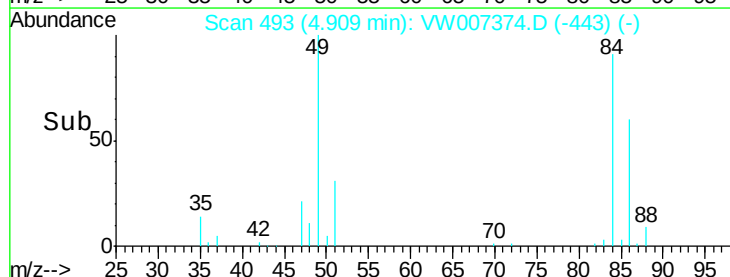
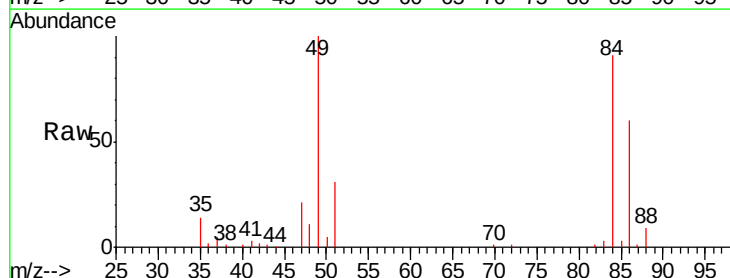
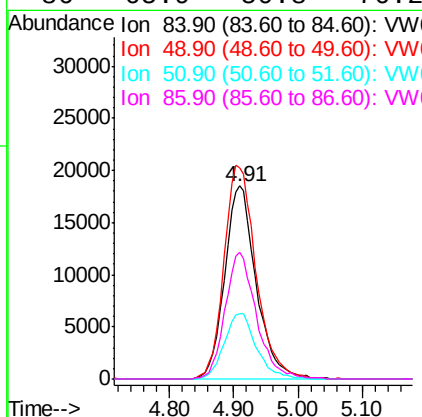
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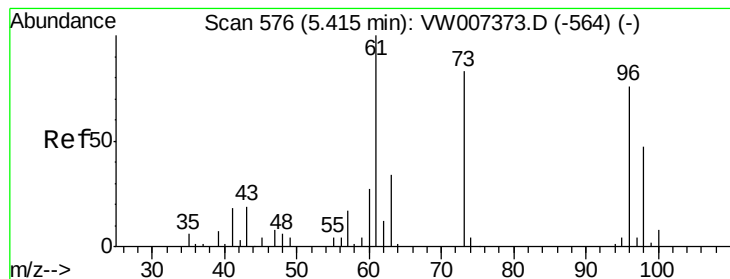
MMDadoda
12/11/2018 4:55:42 PM



#20
Methylene Chloride
Concen: 55.898 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion: 84 Resp: 63425
Ion Ratio Lower Upper
84 100
49 109.3 87.1 130.7
51 34.1 28.2 42.2
86 65.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 70.693 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

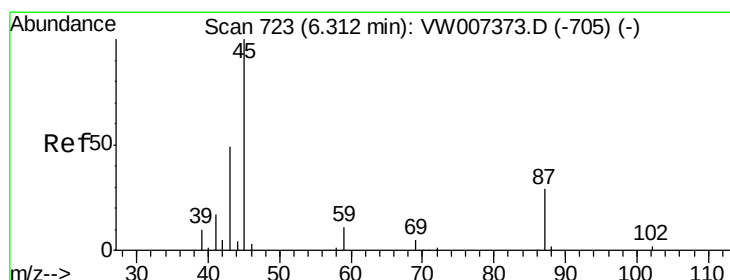
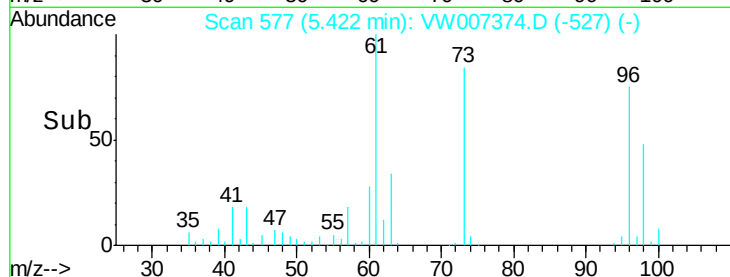
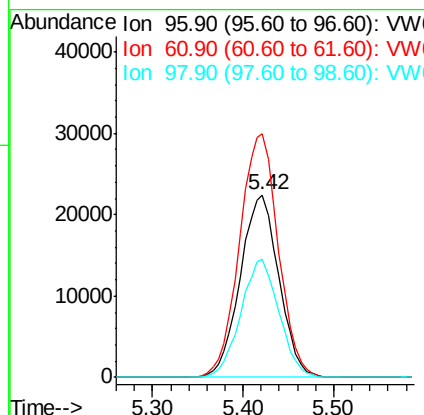
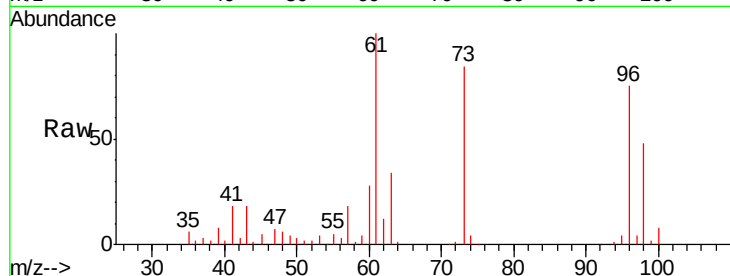
ClientSampleId :

VSTDIC075

Tgt Ion:	96	Resp:	66224
Ion	Ratio	Lower	Upper
96	100		
61	133.3	105.0	157.6
98	64.5	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 70.480 ug/l

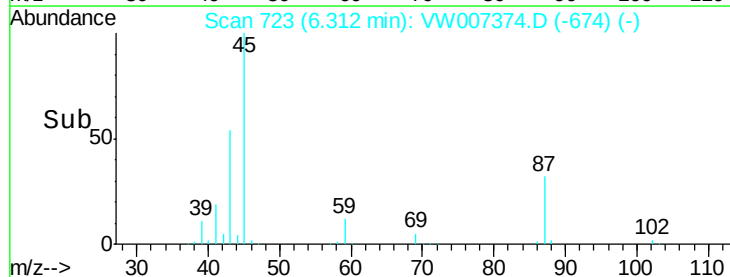
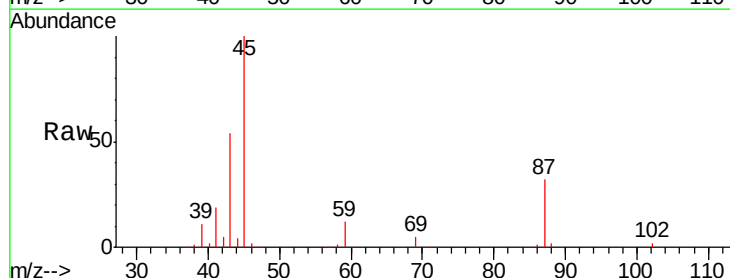
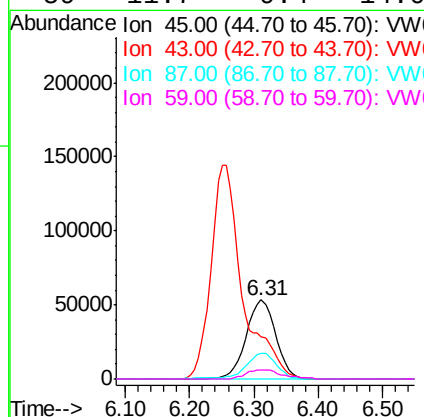
RT: 6.31 min Scan# 723

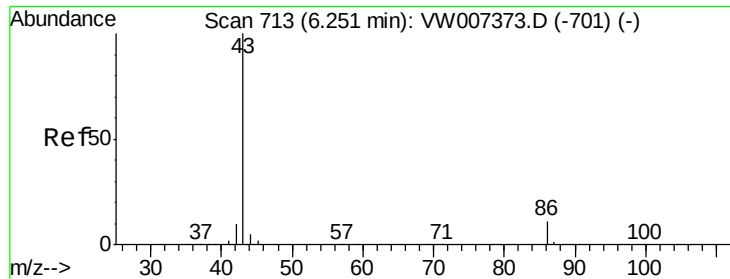
Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Tgt Ion:	45	Resp:	168658
Ion	Ratio	Lower	Upper
45	100		
43	53.8	41.6	62.4
87	31.7	24.3	36.5
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 376.090 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tgt Ion: 43 Resp: 493288

Ion Ratio Lower Upper

43 100

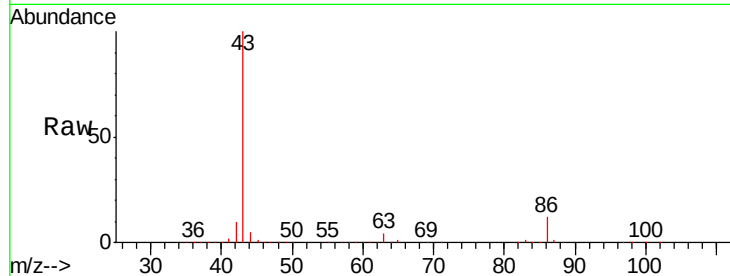
86 11.6 8.6 12.8

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

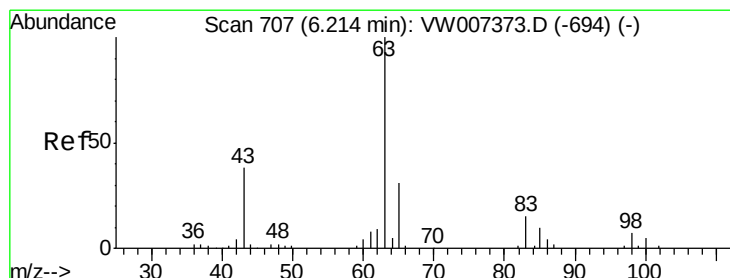
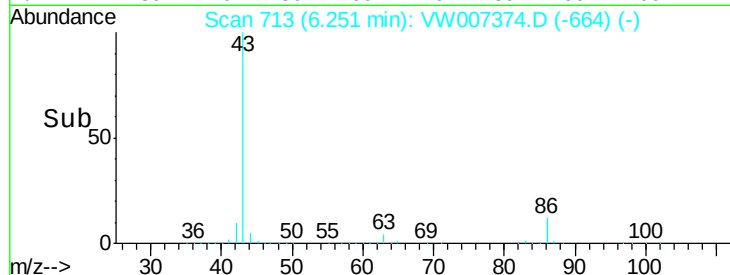
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 72.625 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

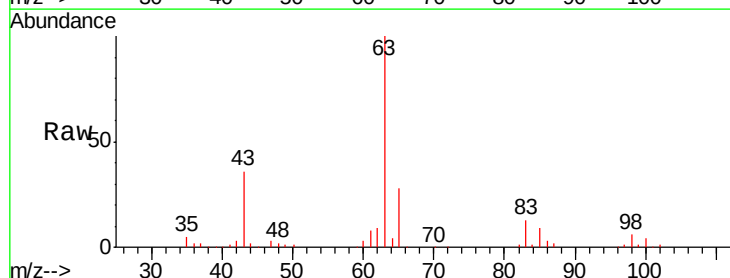
Tgt Ion: 63 Resp: 112965

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.4 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

6.21

50000

40000

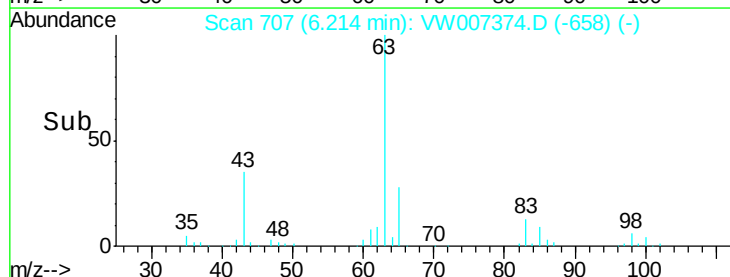
30000

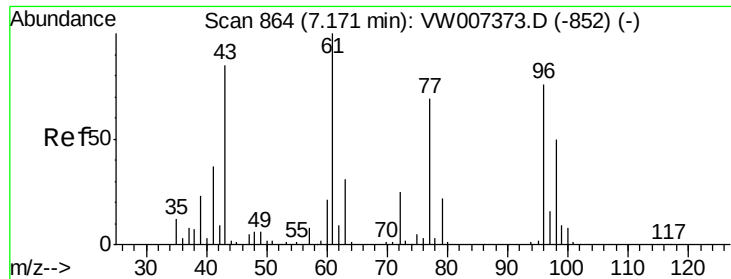
20000

10000

0

Time-->





#25

2-Butanone

Concen: 349.756 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tgt Ion: 43 Resp: 77142

Ion Ratio Lower Upper

43 100

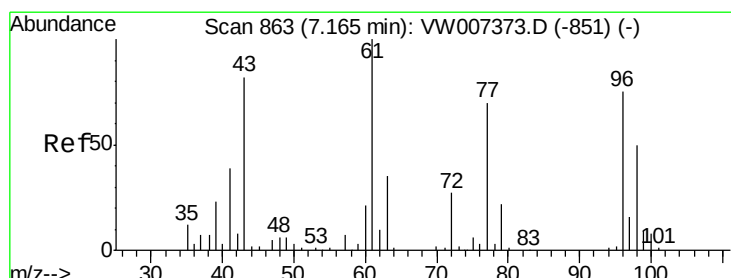
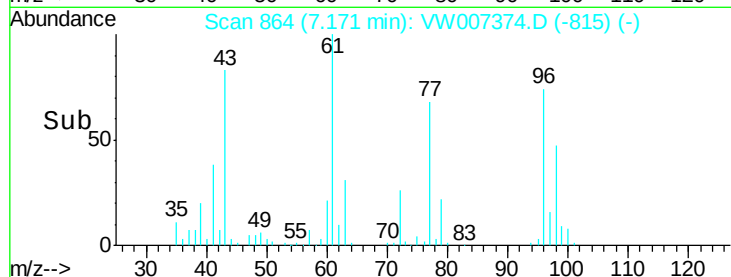
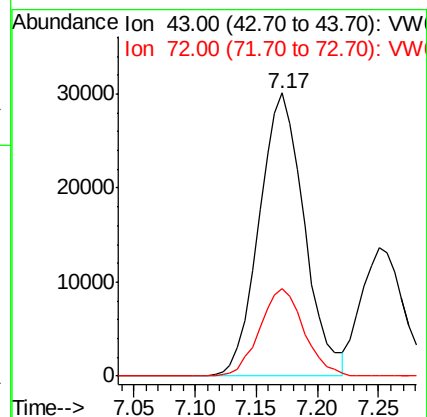
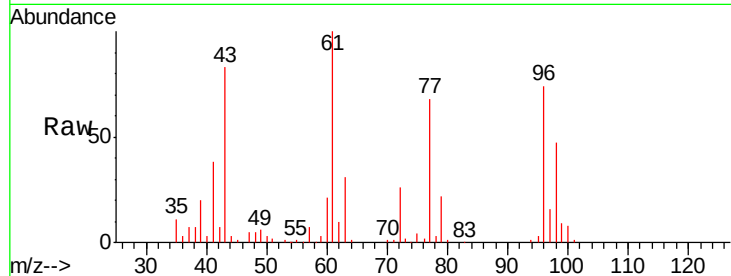
72 31.0 23.4 35.2

Manual Integrations

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MMDadoda

12/11/2018 4:55:42 PM



#26

2,2-Dichloropropane

Concen: 52.709 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007374.D

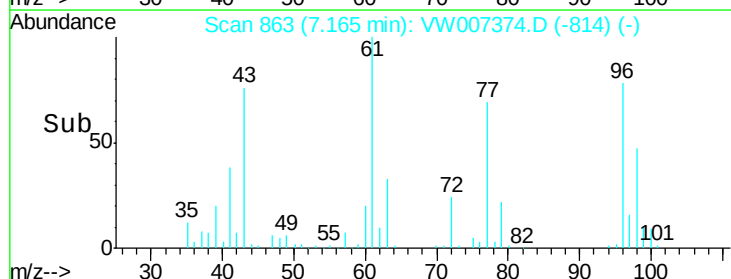
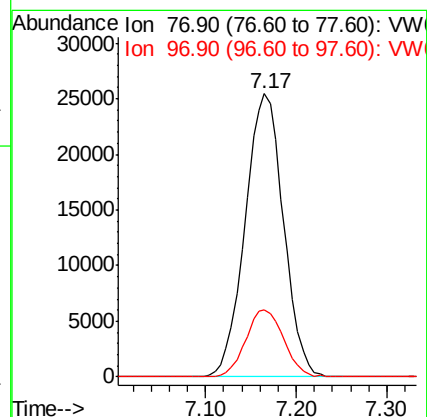
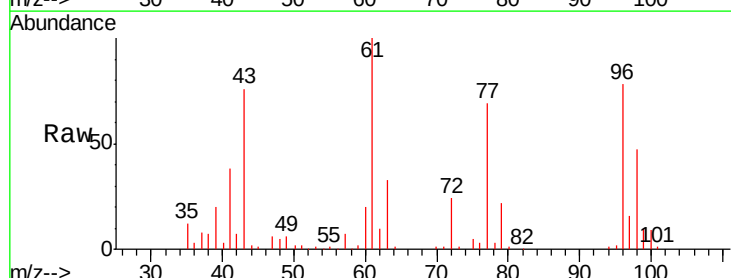
Acq: 11 Dec 2018 00:31

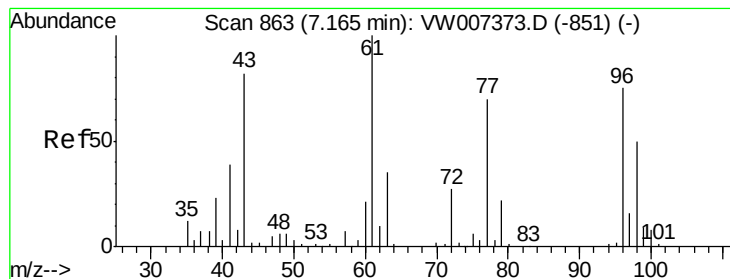
Tgt Ion: 77 Resp: 74440

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.8





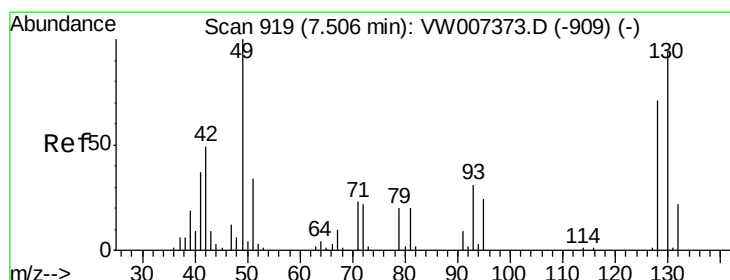
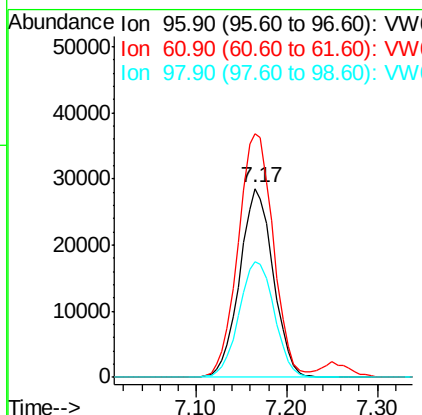
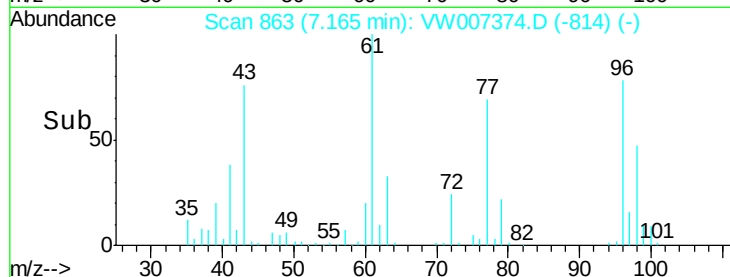
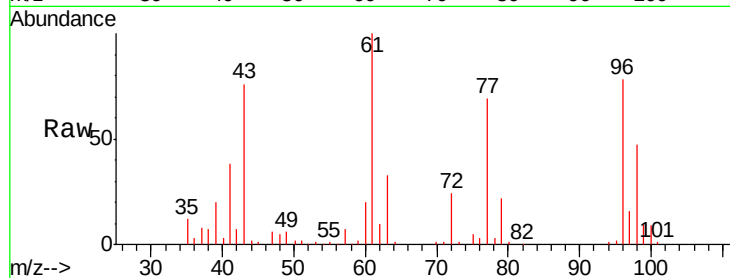
#27
 cis-1,2-Dichloroethene
 Concen: 72.531 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	268.4
98	64.5	0.0	127.8

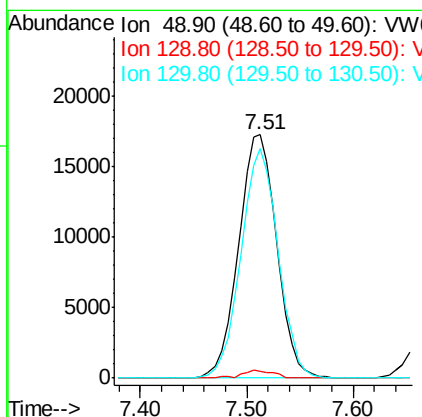
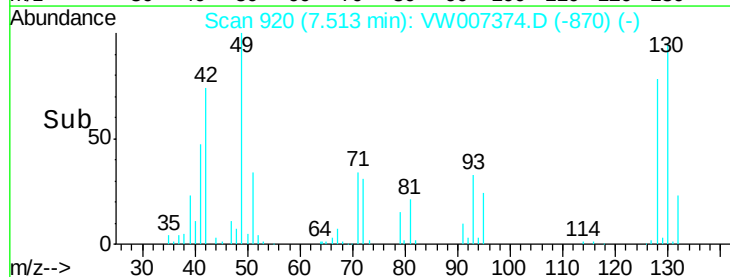
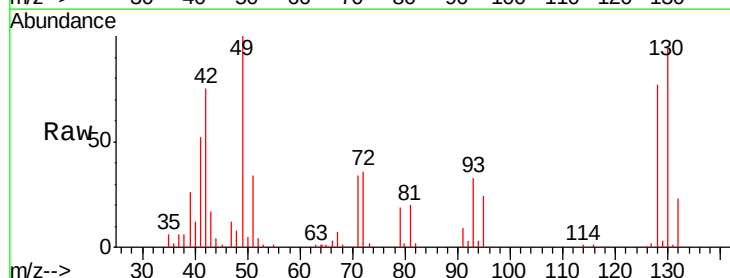
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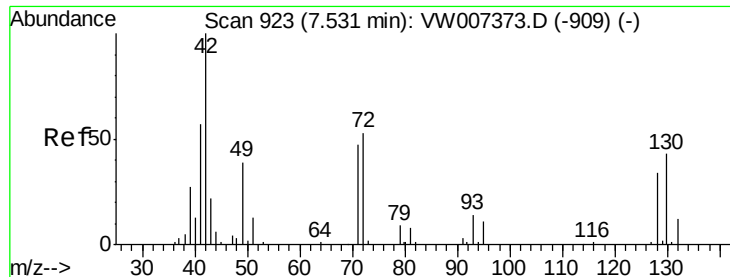
MMDadoda
 12/11/2018 4:55:42 PM



#28
 Bromochloromethane
 Concen: 75.932 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	2.6
130	92.2	75.9	113.9





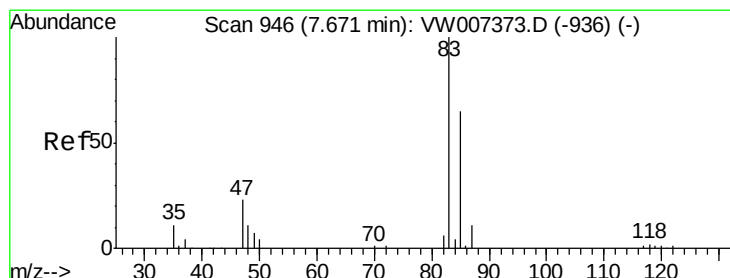
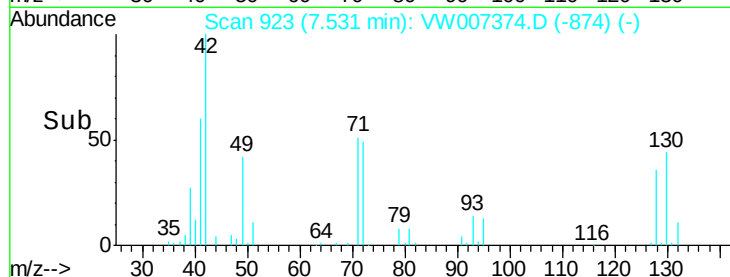
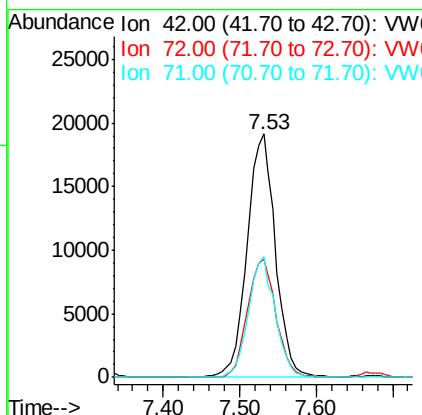
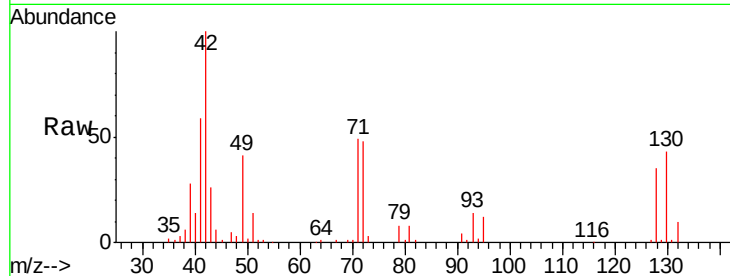
#29
Tetrahydrofuran
Concen: 357.087 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.2	57.4
71	46.8	35.5	53.3

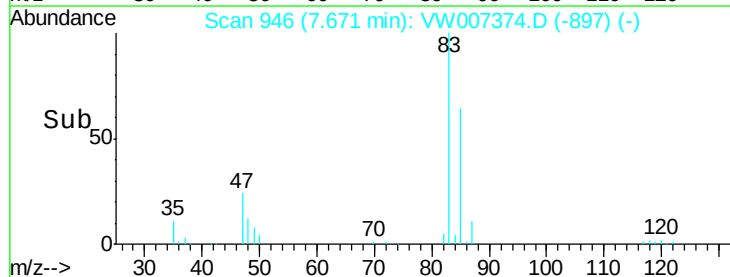
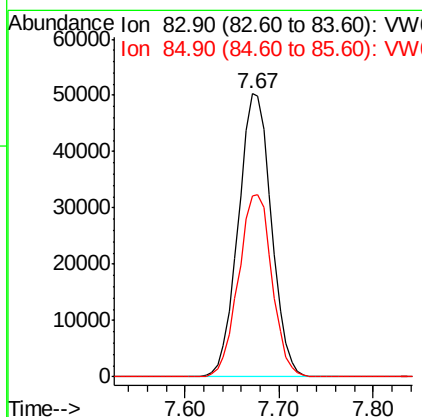
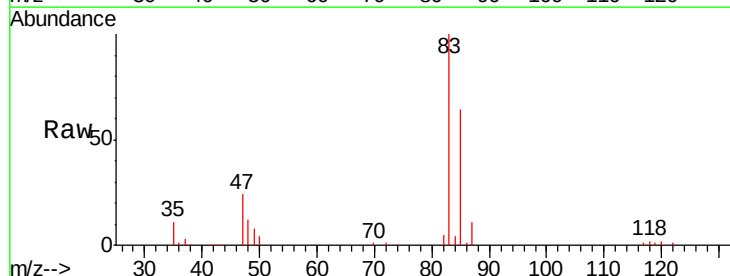
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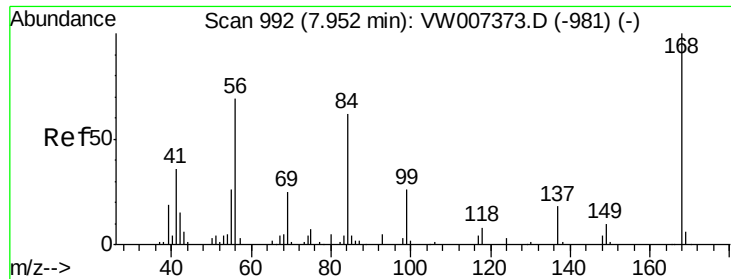
MMDadoda
12/11/2018 4:55:42 PM



#30
Chloroform
Concen: 75.669 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





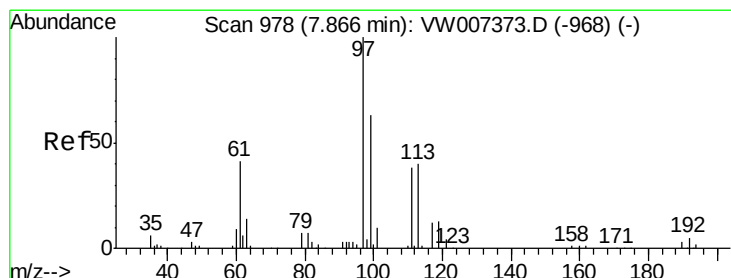
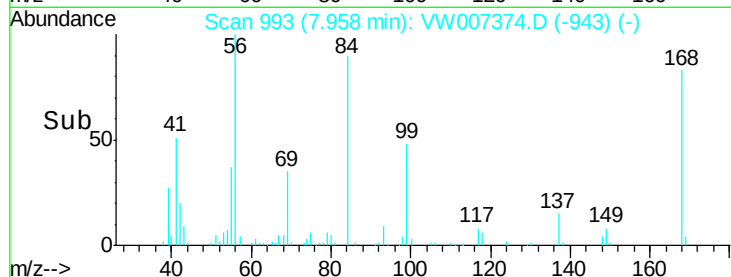
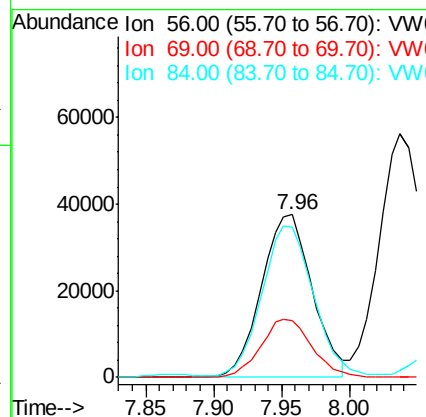
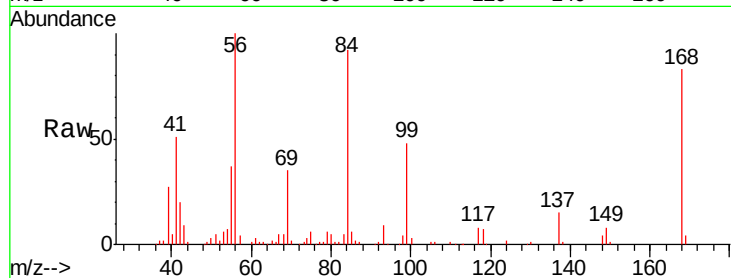
#31
Cyclohexane
Concen: 61.856 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.6	28.9	43.3
84	91.1	71.8	107.6

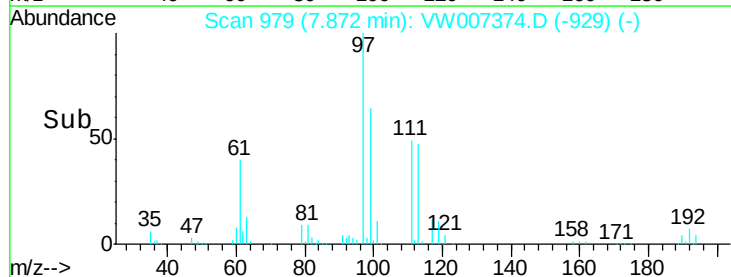
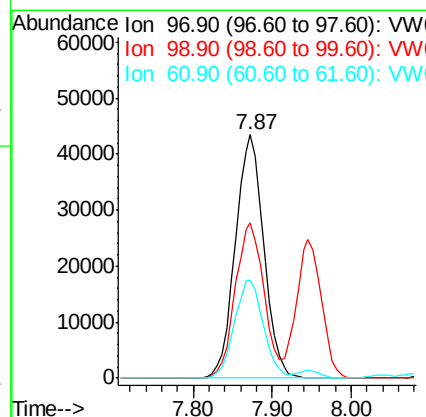
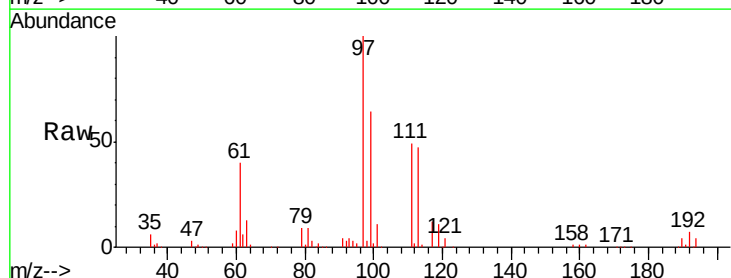
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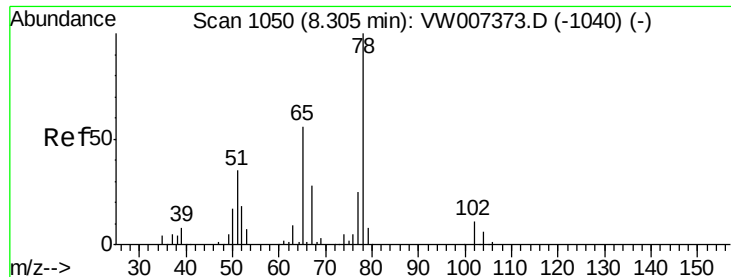
MMDadoda
12/11/2018 4:55:42 PM



#32
1,1,1-Trichloroethane
Concen: 72.004 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.1	76.7
61	41.1	33.2	49.8





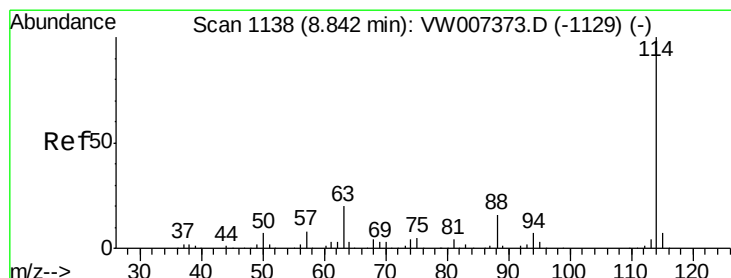
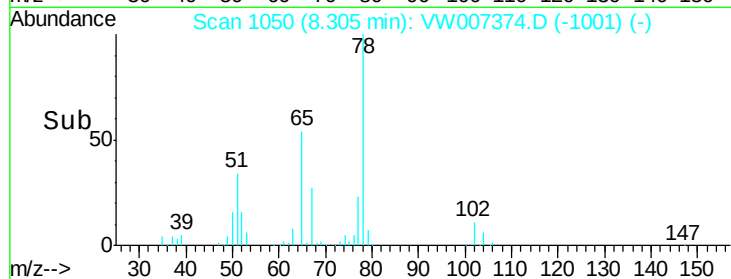
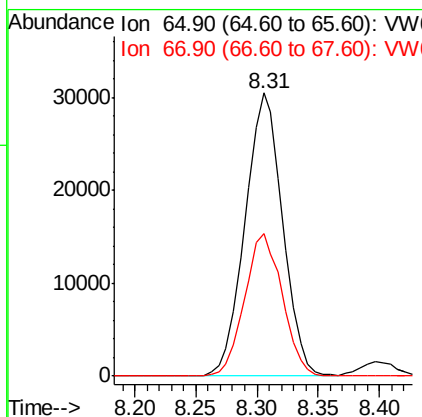
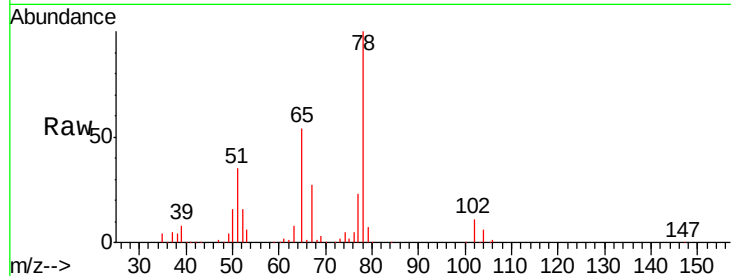
#33
 1,2-Dichloroethane-d4
 Concen: 77.357 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion: 65 Resp: 65213
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.6

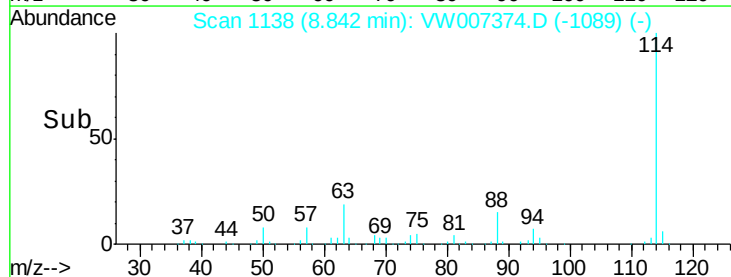
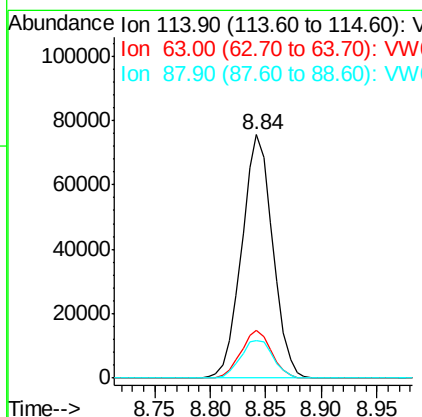
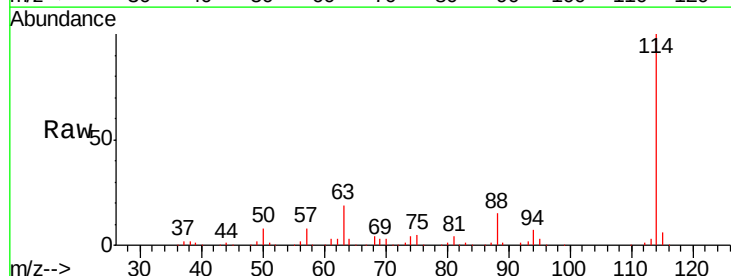
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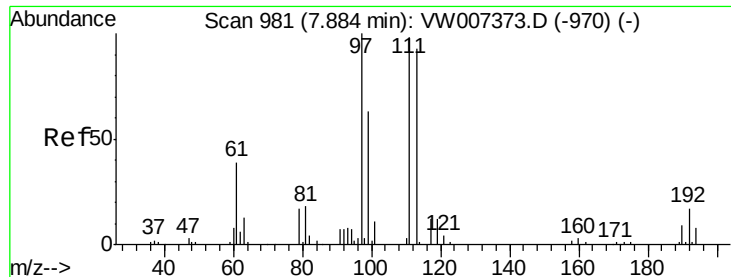
MMDadoda
 12/11/2018 4:55:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Tgt Ion: 114 Resp: 145649
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.6
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 71.589 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

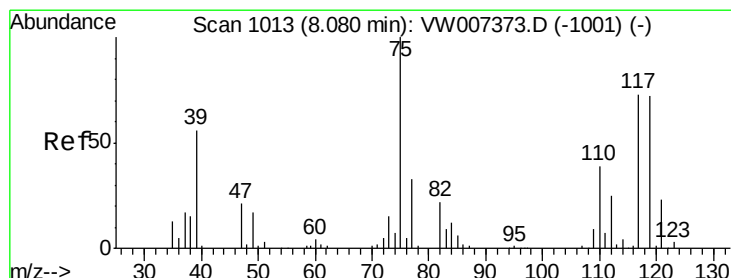
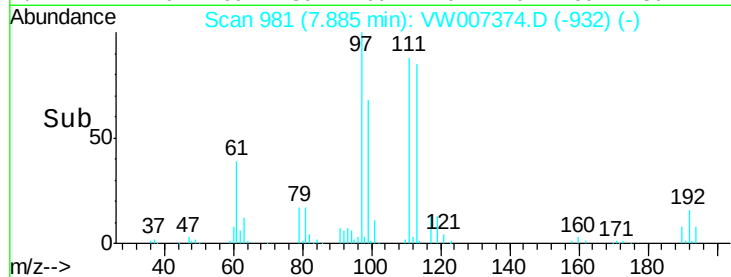
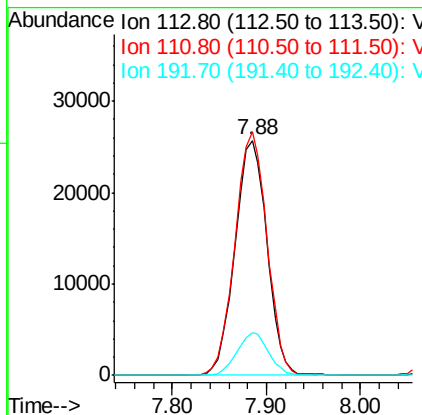
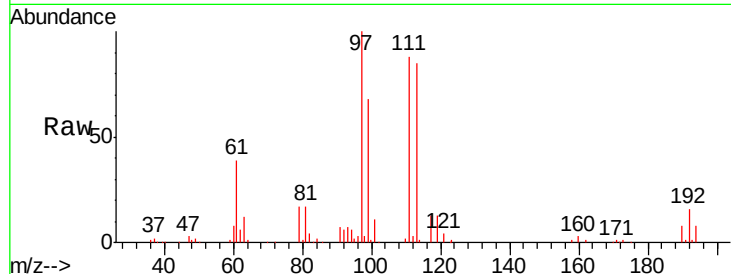
ClientSampleId :

VSTDIC075

Tgt Ion:	113	Resp:	60680
Ion Ratio	Lower	Upper	
113	100		
111	104.0	81.1	121.7
192	17.9	14.6	21.8

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#36

1,1-Dichloropropene

Concen: 68.845 ug/l

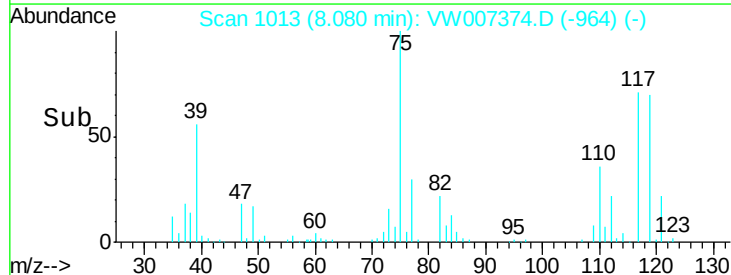
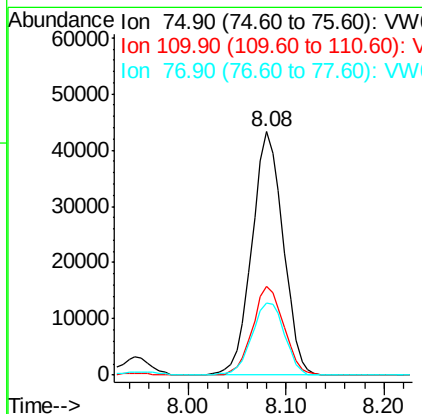
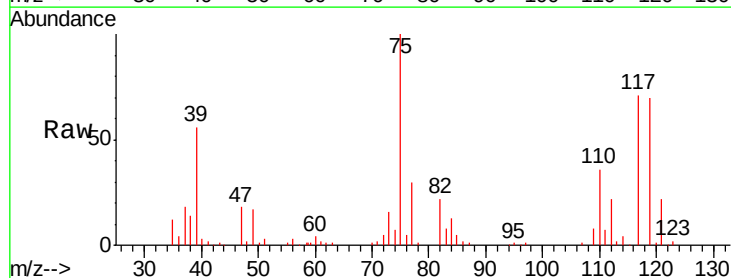
RT: 8.08 min Scan# 1013

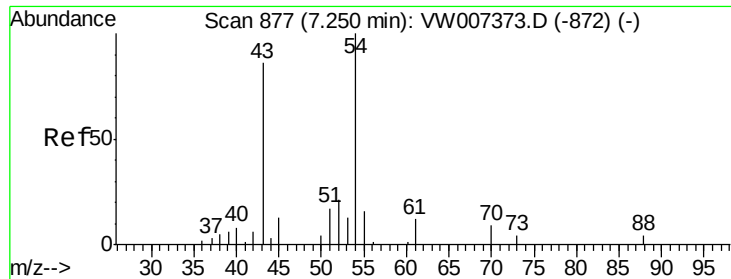
Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Tgt Ion:	75	Resp:	96025
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.5	55.5
77	31.1	25.6	38.4





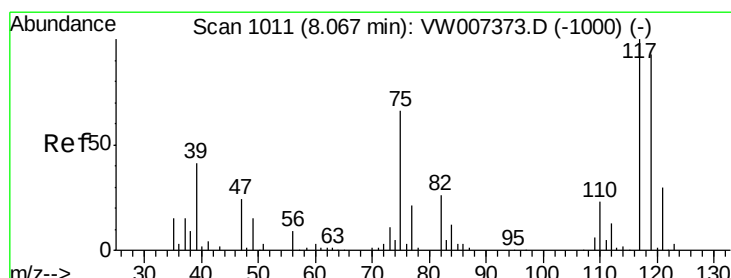
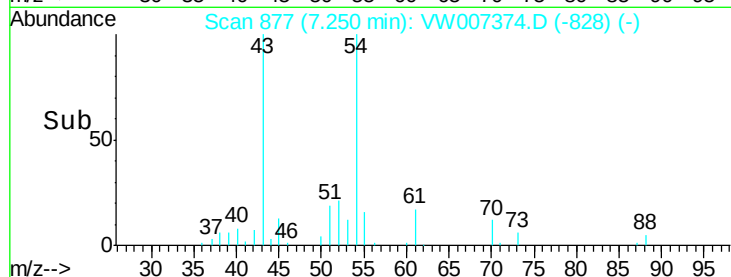
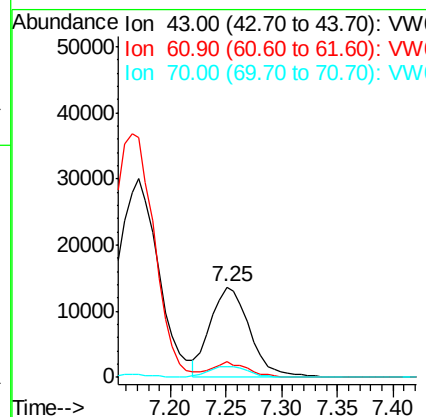
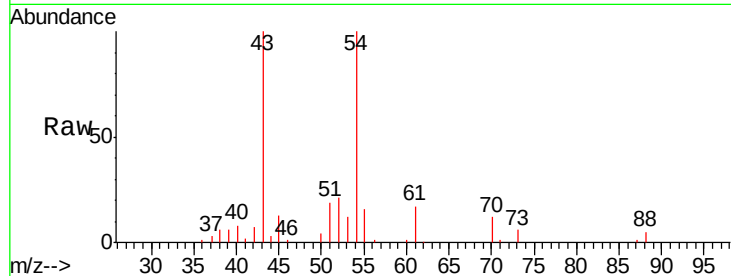
#37
Ethyl Acetate
Concen: 67.036 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.1	18.1
70	12.3	10.0	15.0

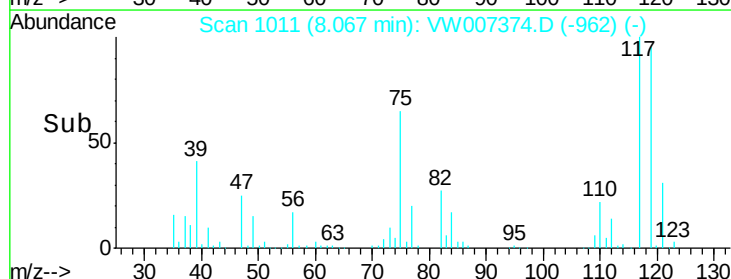
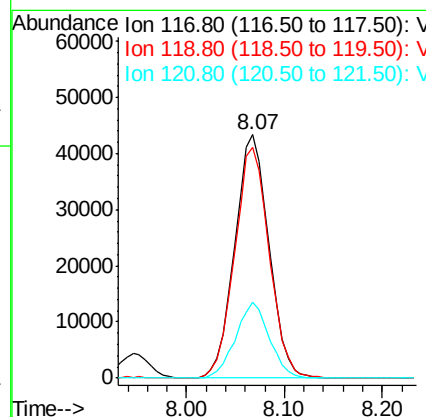
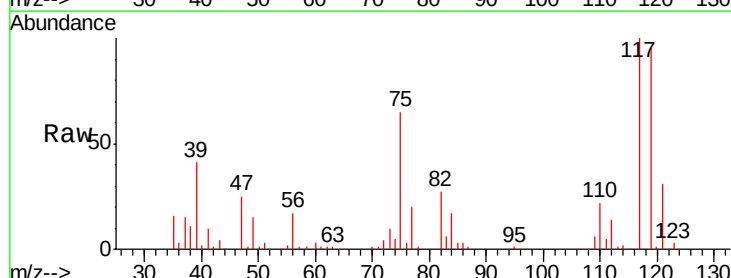
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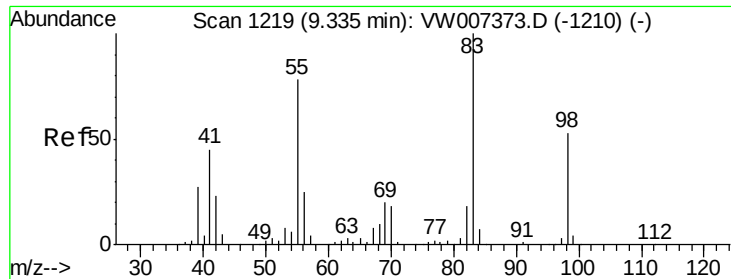
MMDadoda
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#38
Carbon Tetrachloride
Concen: 72.690 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.3	111.5
121	31.2	24.3	36.5





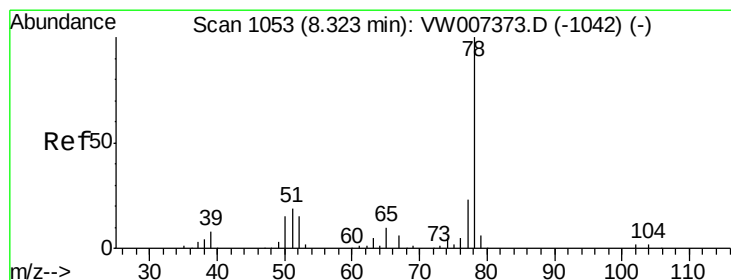
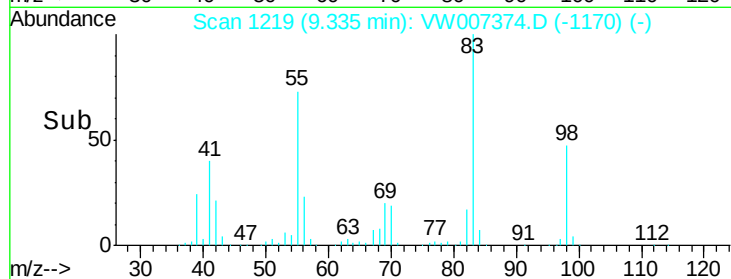
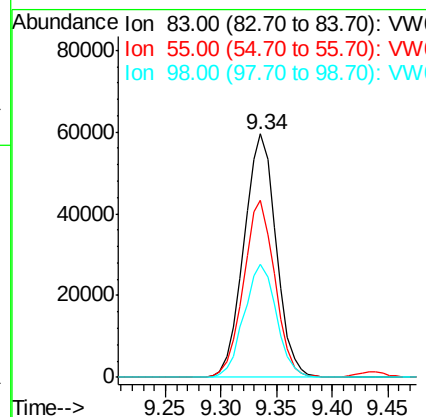
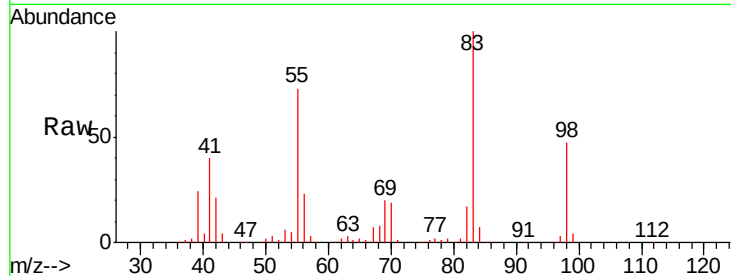
#39
Methylcyclohexane
Concen: 64.723 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	119531		
55	72.8	62.8	94.2	
98	46.6	42.2	63.2	

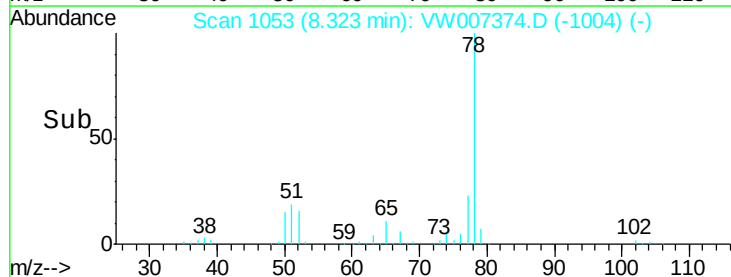
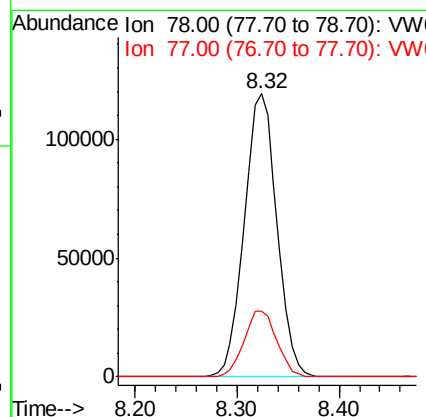
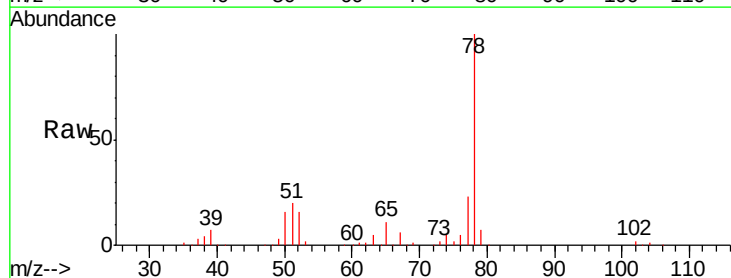
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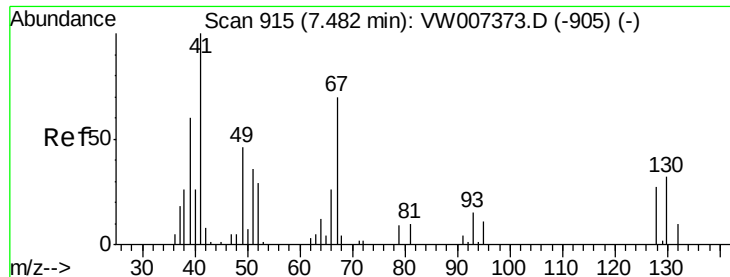
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#40
Benzene
Concen: 68.509 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	263942		
77	23.0	18.8	28.2	





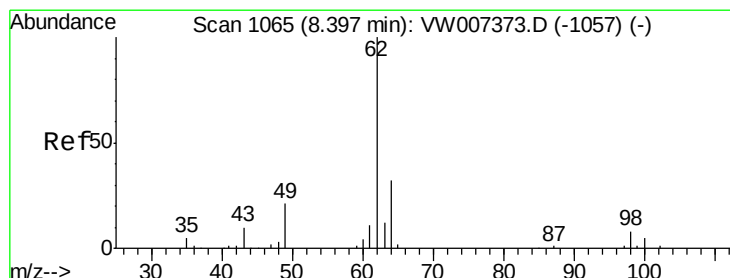
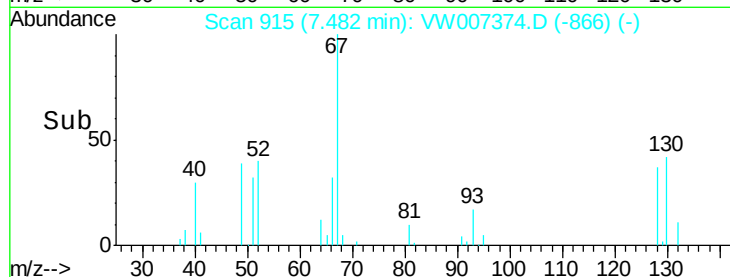
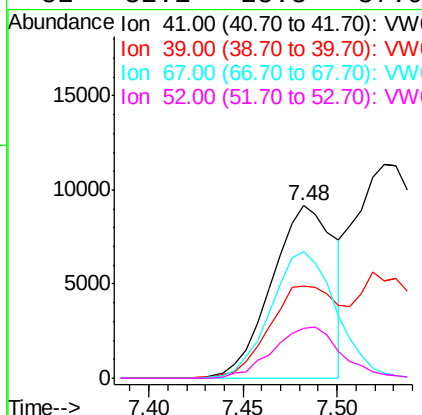
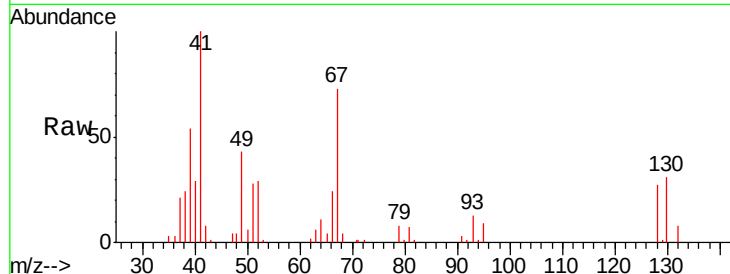
#41
Methacrylonitrile
Concen: 70.645 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion:	41	Resp:	21278
Ion	Ratio	Lower	Upper
41	100		
39	62.5	52.2	78.2
67	76.3	60.5	90.7
52	32.1	25.3	37.9

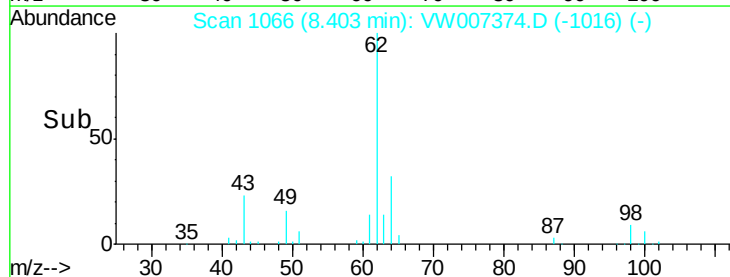
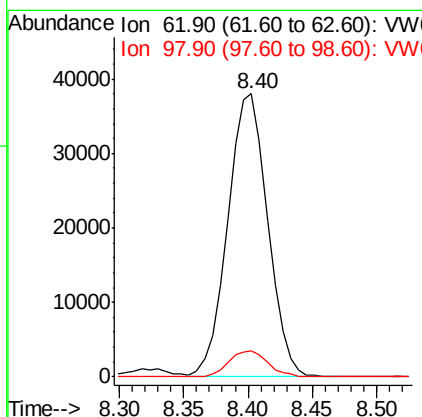
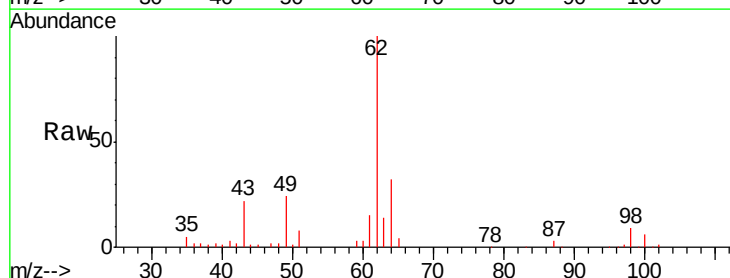
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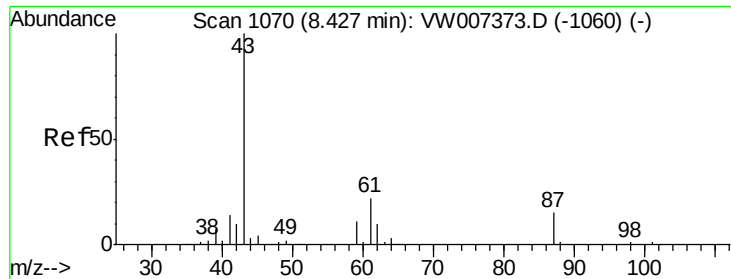
MMDadoda
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#42
1,2-Dichloroethane
Concen: 74.288 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion:	62	Resp:	81908
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6





#43

Isopropyl Acetate

Concen: 70.904 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

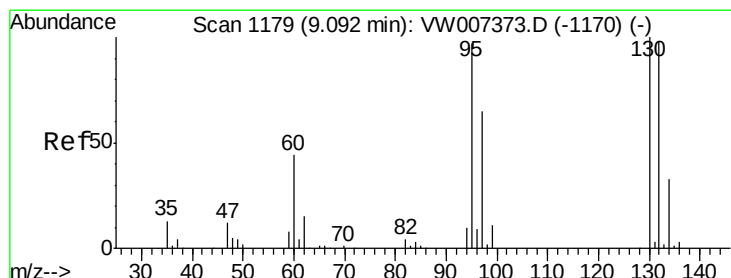
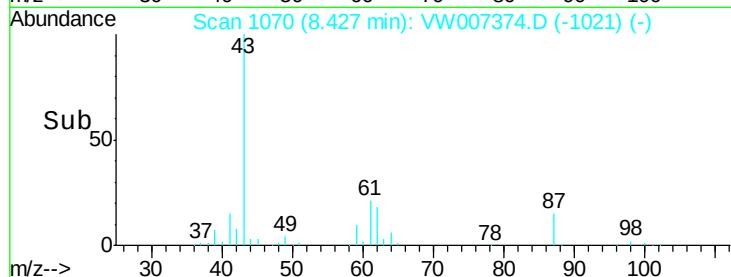
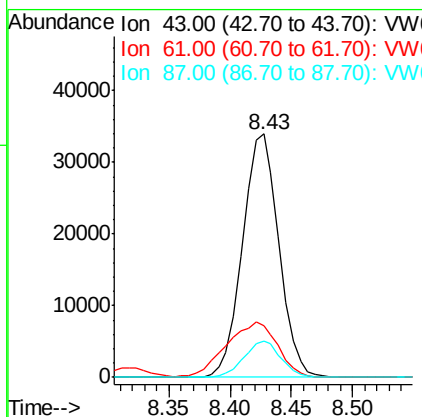
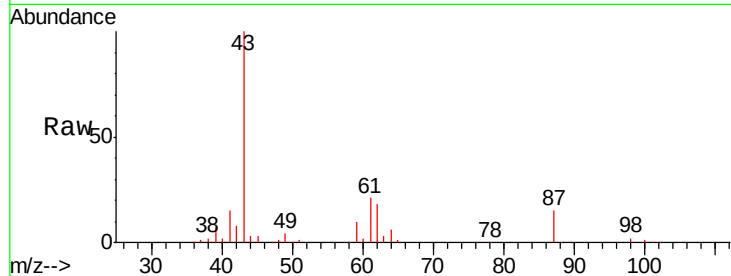
ClientSampleId :

VSTDIC075

Tgt Ion:	43	Resp:	70114
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.3	37.9
87	15.0	11.8	17.8

Manual Integrations
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#44

Trichloroethene

Concen: 69.555 ug/l

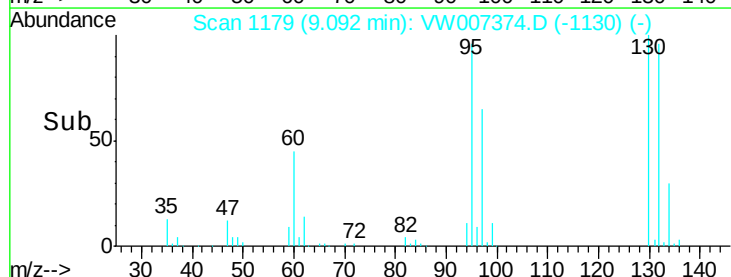
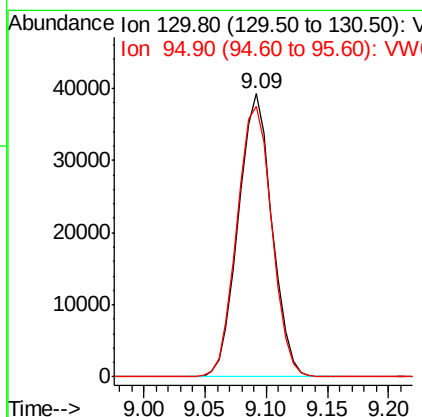
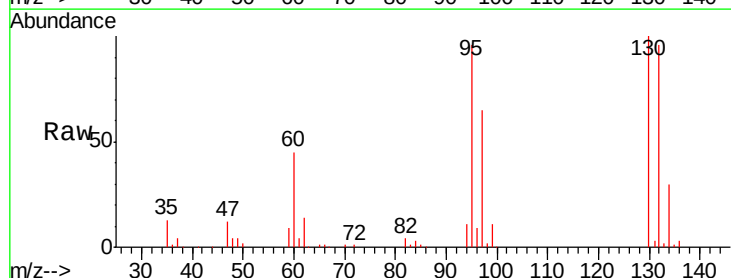
RT: 9.09 min Scan# 1179

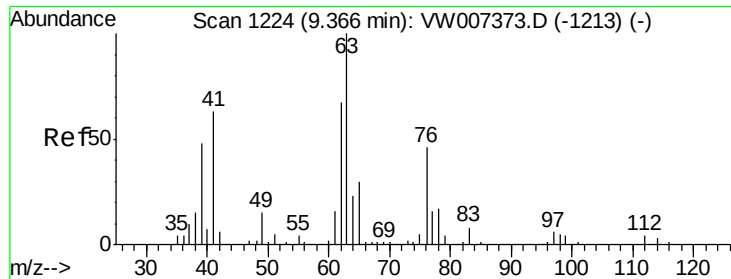
Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Tgt Ion:	130	Resp:	75039
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	193.2





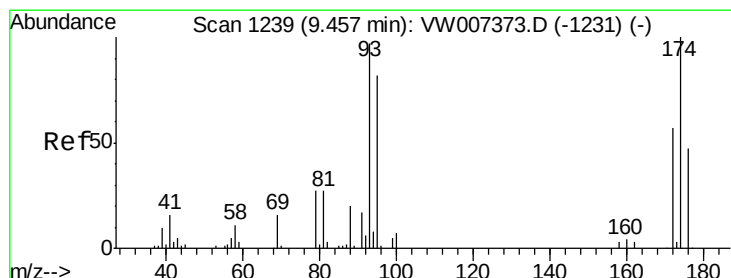
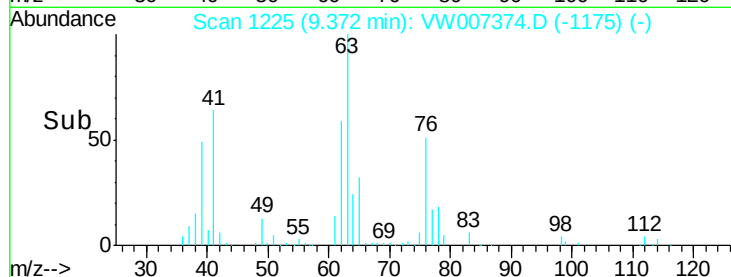
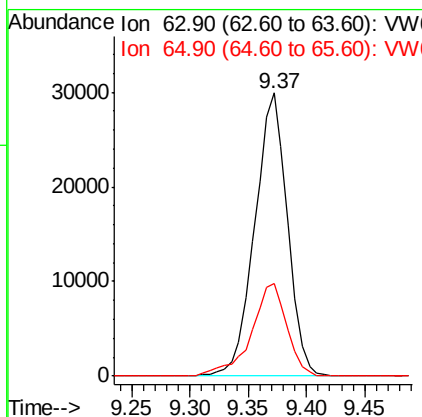
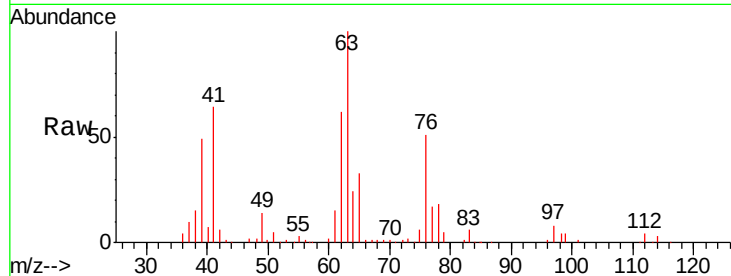
#45
 1,2-Dichloropropane
 Concen: 65.325 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion: 63 Resp: 58626
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.4 36.6

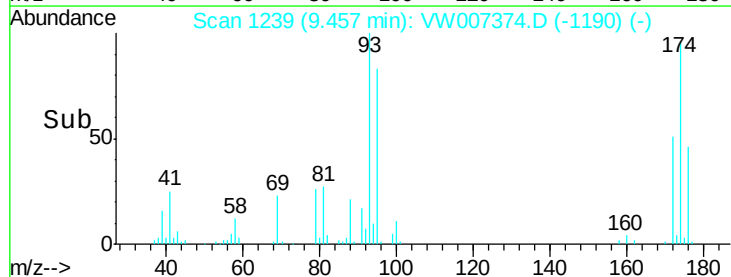
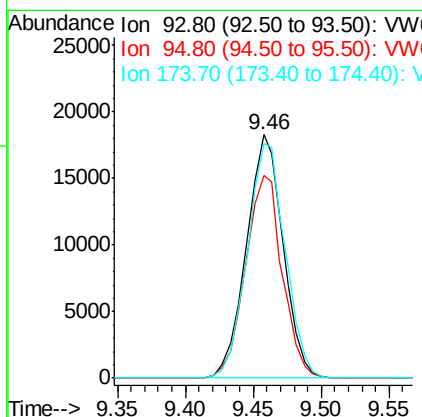
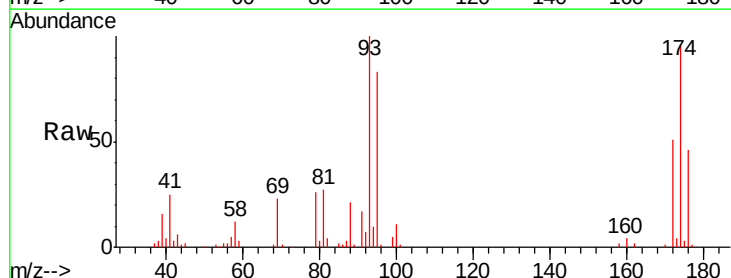
Manual Integrations
 APPROVED

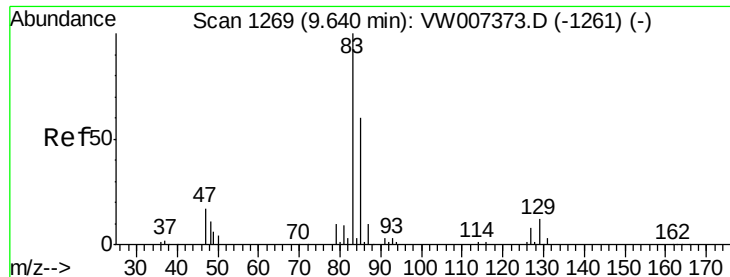
MMDadoda
 12/11/2018 4:55:42 PM



#46
 Dibromomethane
 Concen: 73.026 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Tgt Ion: 93 Resp: 34552
 Ion Ratio Lower Upper
 93 100
 95 83.3 68.0 102.0
 174 99.4 83.2 124.8





#47

Bromodichloromethane

Concen: 72.425 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

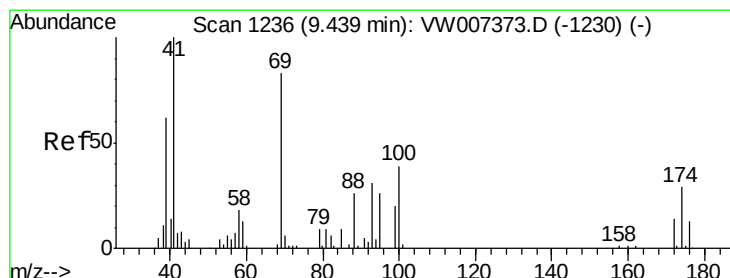
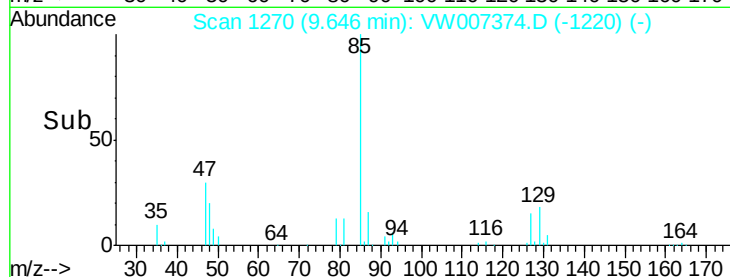
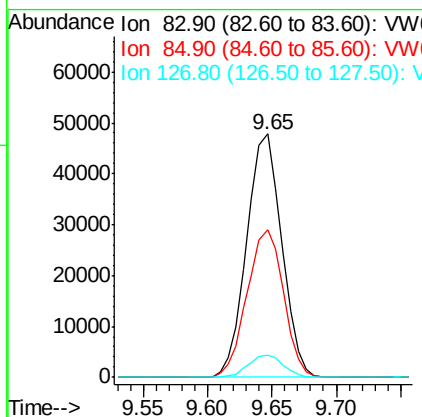
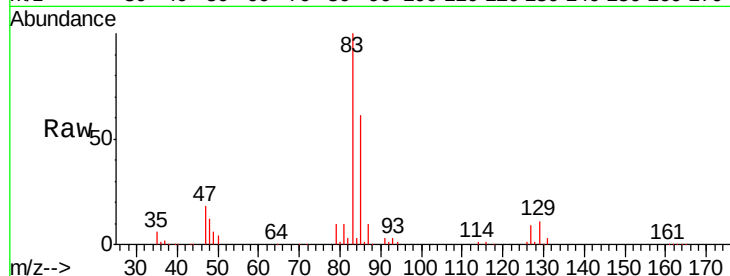
ClientSampleId :

VSTDIC075

Tgt Ion:	83	Resp:	90223
Ion Ratio	Lower	Upper	
83	100		
85	60.6	47.6	71.4
127	8.9	6.7	10.1

Manual Integrations
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12/11/2018 4:55:42 PM



#48

Methyl methacrylate

Concen: 68.932 ug/l

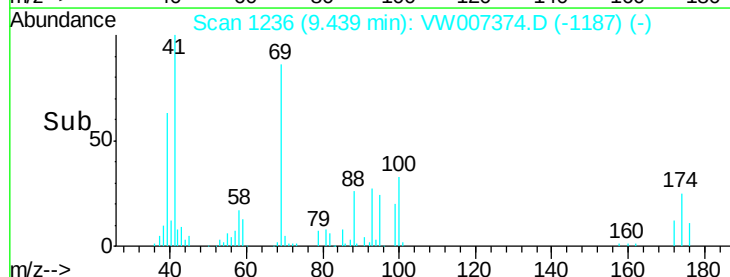
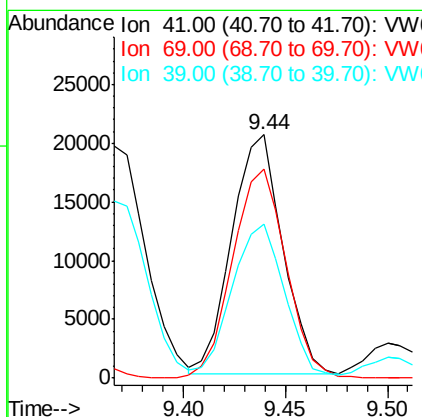
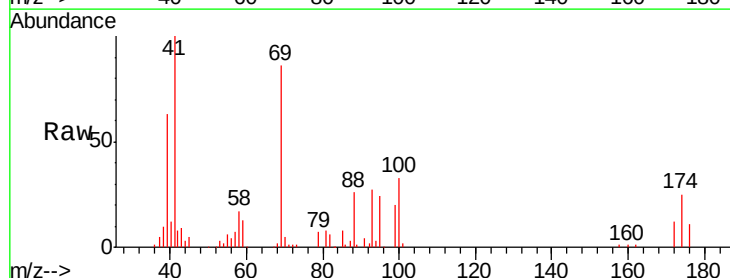
RT: 9.44 min Scan# 1236

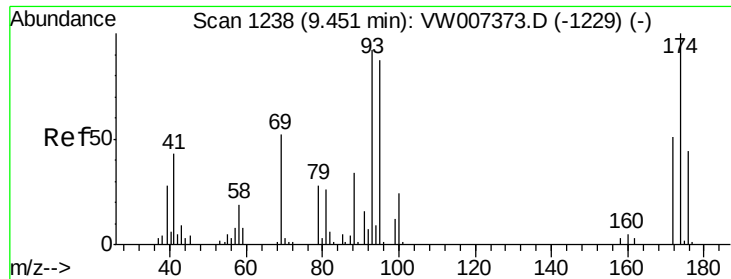
Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Tgt Ion:	41	Resp:	35043
Ion Ratio	Lower	Upper	
41	100		
69	92.4	69.8	104.8
39	67.8	50.9	76.3





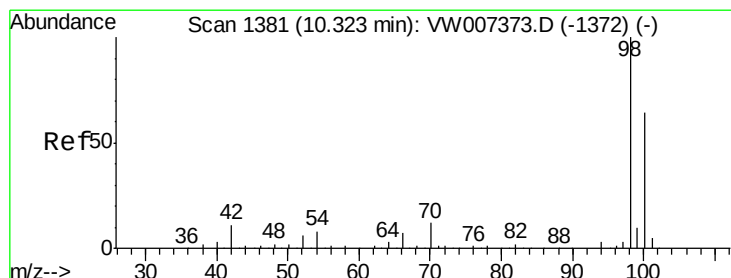
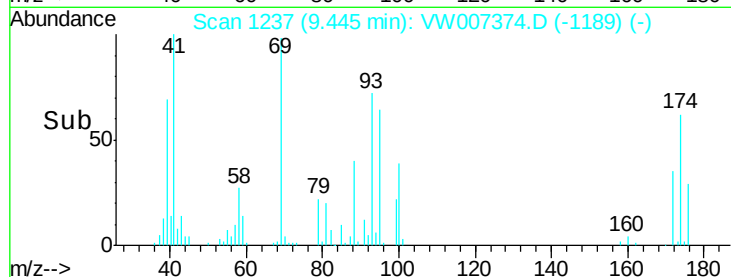
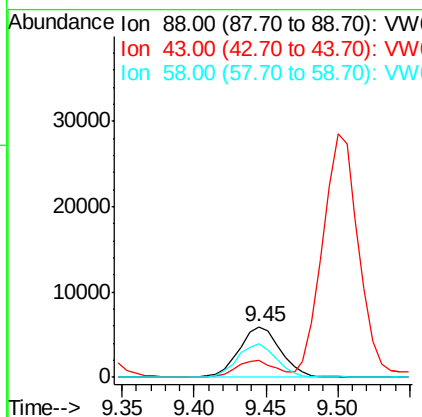
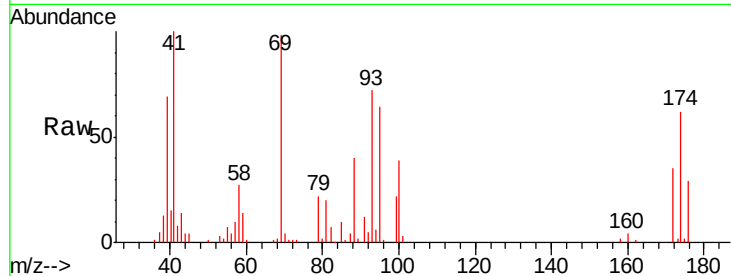
#49
1,4-Dioxane
Concen: 1445.580 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	11761		
43	31.3	25.0	37.4	
58	63.3	51.4	77.2	

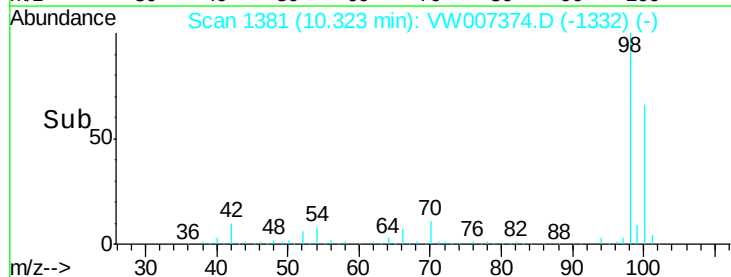
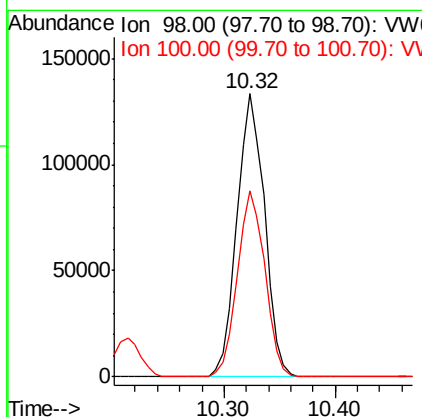
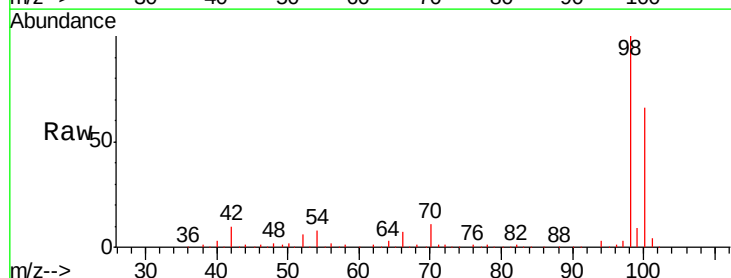
Manual Integrations
APPROVED

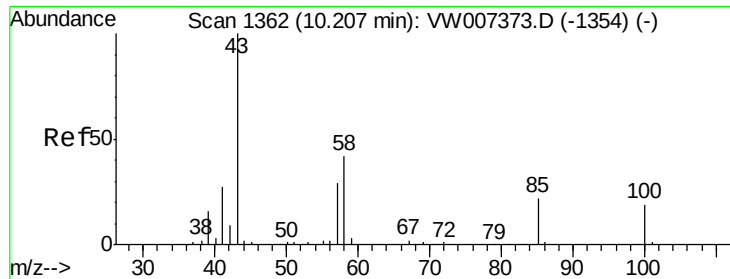
MMDadoda
12/11/2018 4:55:42 PM



#50
Toluene-d8
Concen: 62.952 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	228612		
100	65.7	51.8	77.8	





#51

4-Methyl-2-Pentanone

Concen: 360.421 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tgt Ion: 43 Resp: 173419

Ion Ratio Lower Upper

43 100

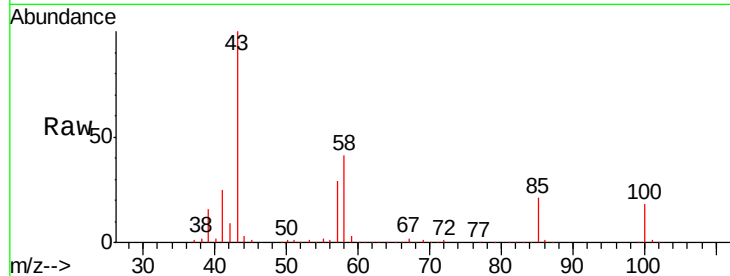
58 40.4 33.1 49.7

Manual Integrations

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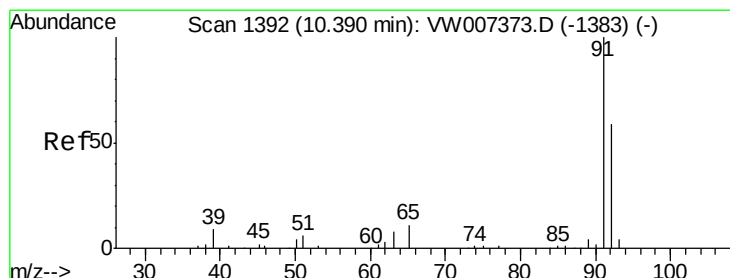
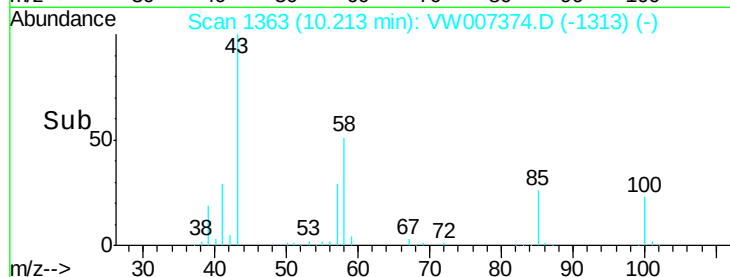
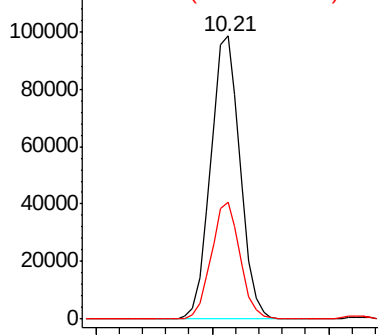
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 64.661 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007374.D

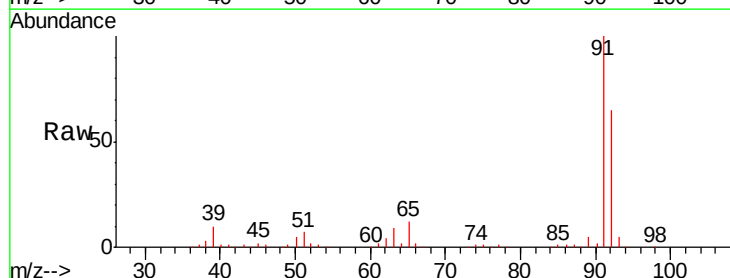
Acq: 11 Dec 2018 00:31

Tgt Ion: 92 Resp: 171657

Ion Ratio Lower Upper

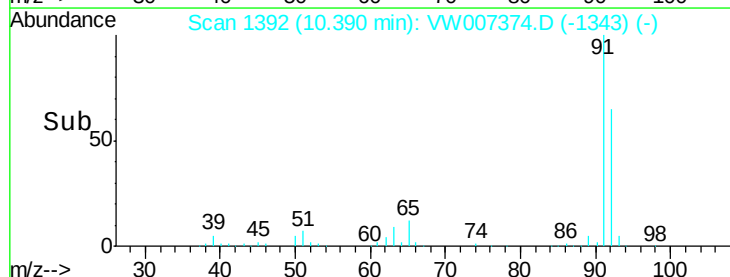
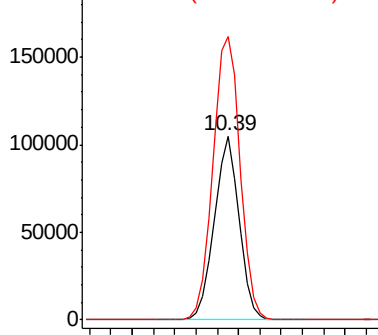
92 100

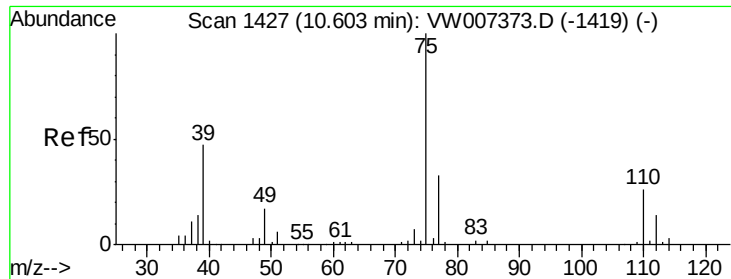
91 168.0 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





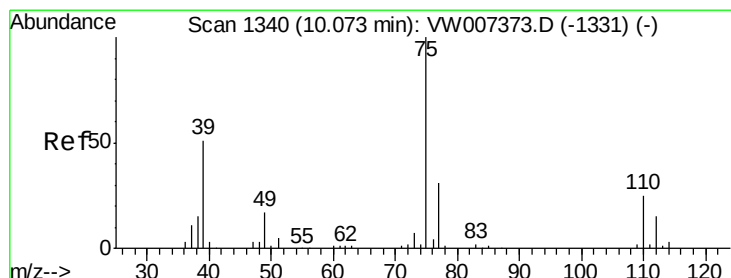
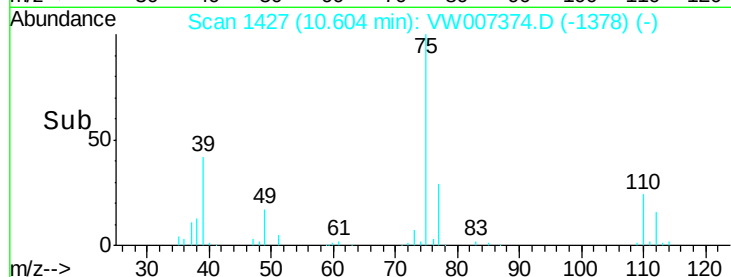
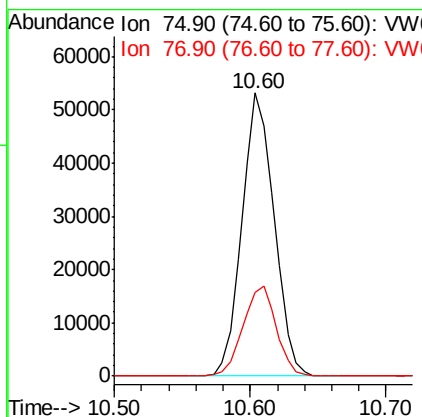
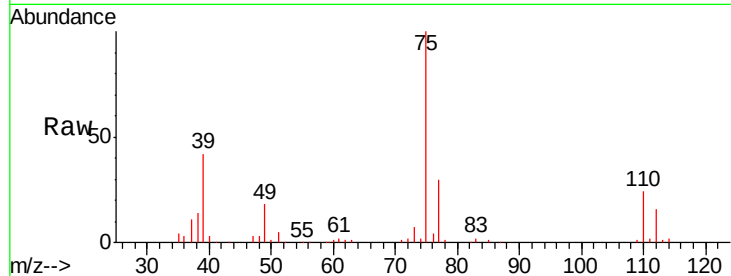
#53
t-1,3-Dichloropropene
Concen: 71.285 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion: 75 Resp: 88069
Ion Ratio Lower Upper
75 100
77 29.5 26.2 39.4

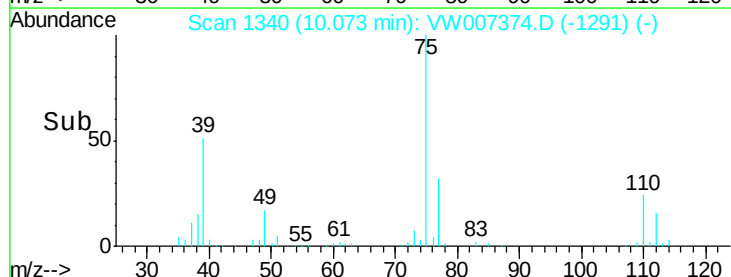
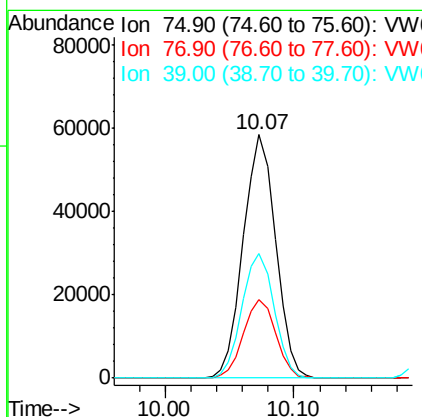
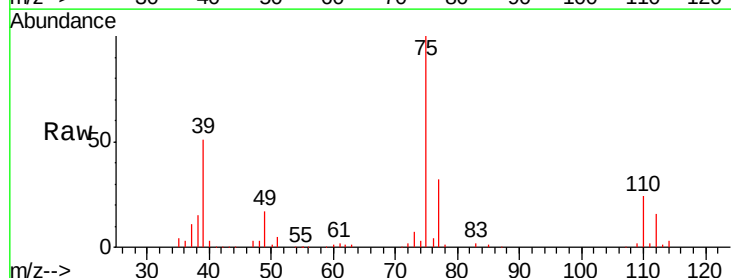
Manual Integrations
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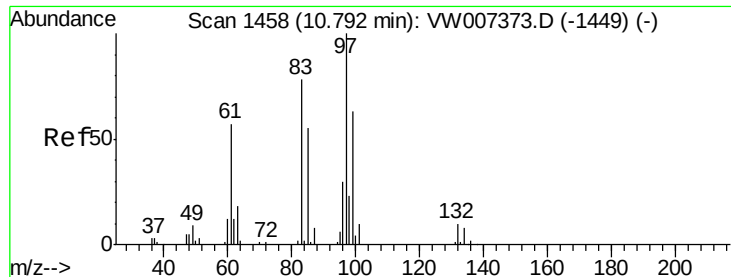
MMDadoda
12/11/2018 4:55:42 PM



#54
cis-1,3-Dichloropropene
Concen: 70.414 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion: 75 Resp: 101732
Ion Ratio Lower Upper
75 100
77 32.3 24.8 37.2
39 51.2 40.9 61.3





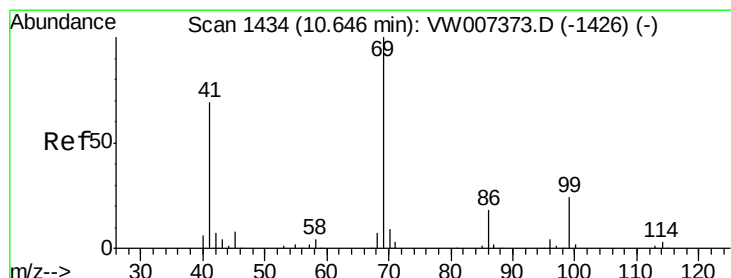
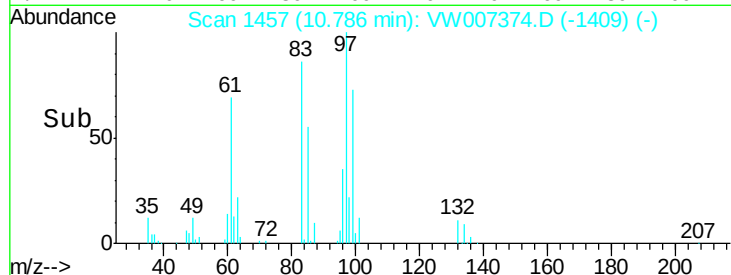
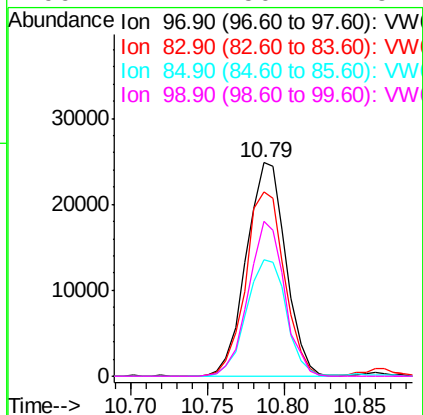
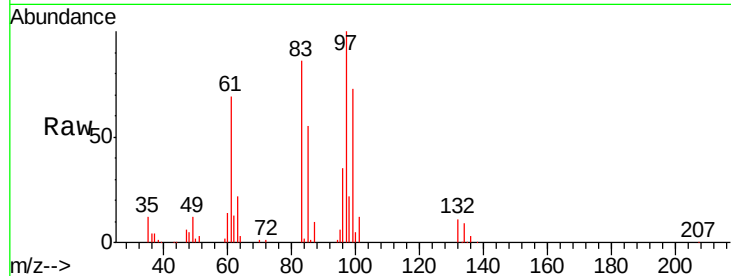
#55
 1,1,2-Trichloroethane
 Concen: 66.940 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	62.1	93.1
85	54.5	44.2	66.4
99	72.7	50.2	75.4

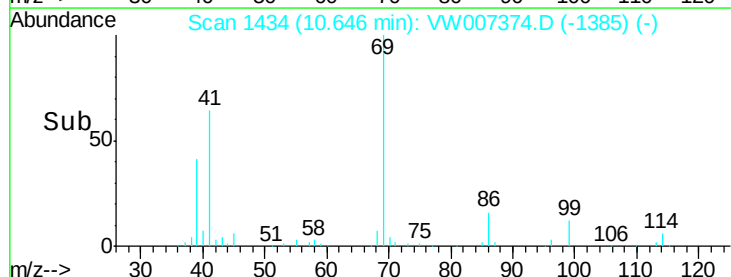
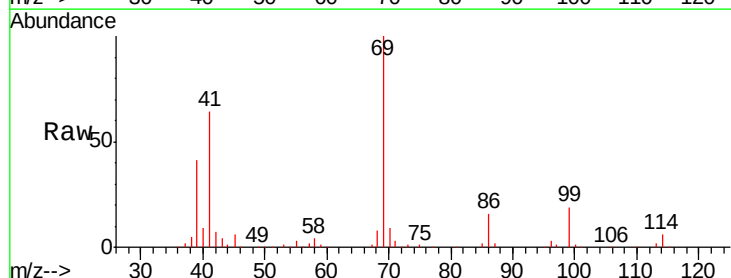
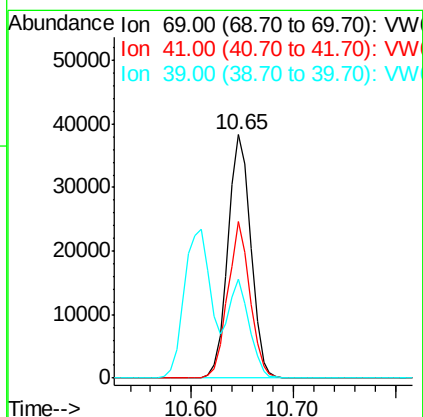
Manual Integrations
 APPROVED

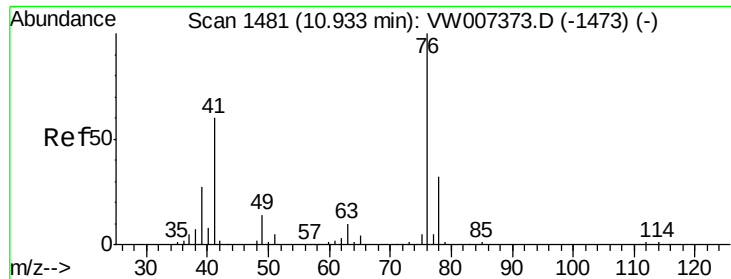
MMDadoda
 12/11/2018 4:55:42 PM



#56
 Ethyl methacrylate
 Concen: 69.112 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.0	76.6
39	37.3	30.8	46.2





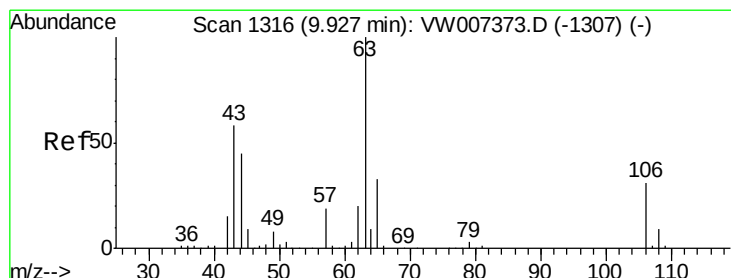
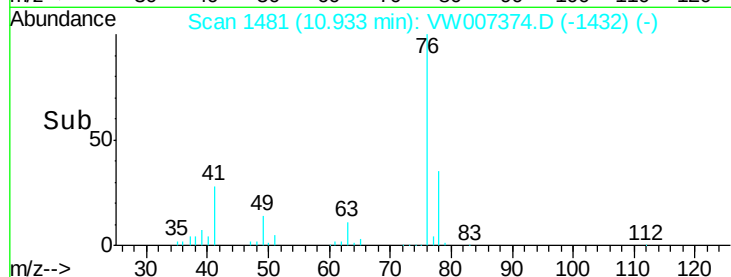
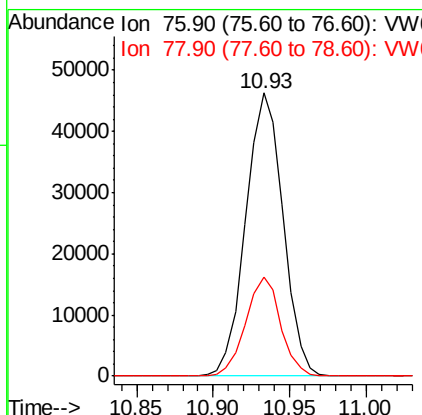
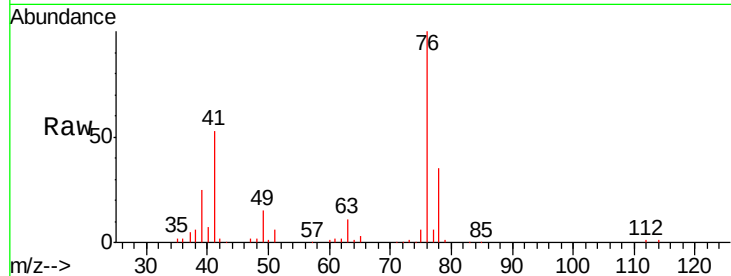
#57
 1,3-Dichloropropane
 Concen: 70.144 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion: 76 Resp: 78514
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4

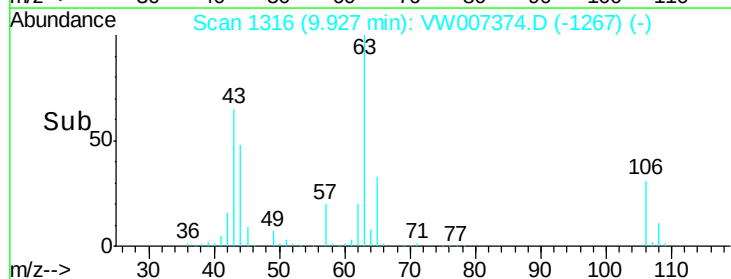
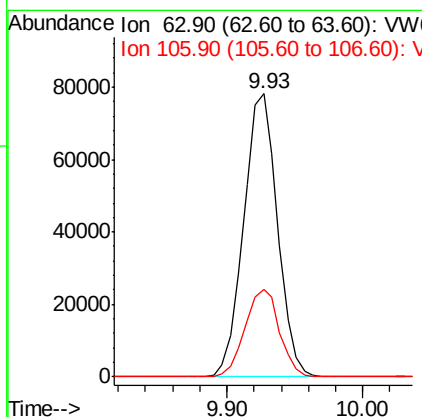
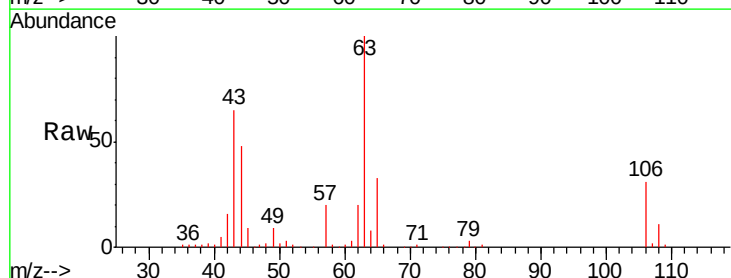
Manual Integrations
 APPROVED

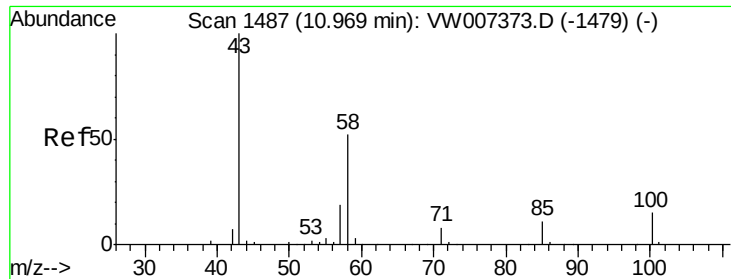
MMDadoda
 12/11/2018 4:55:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 377.921 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Tgt Ion: 63 Resp: 135673
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.0 37.6





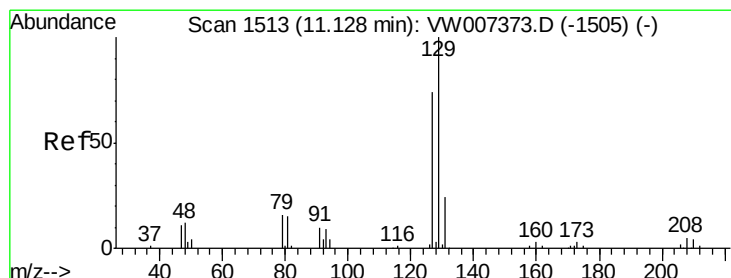
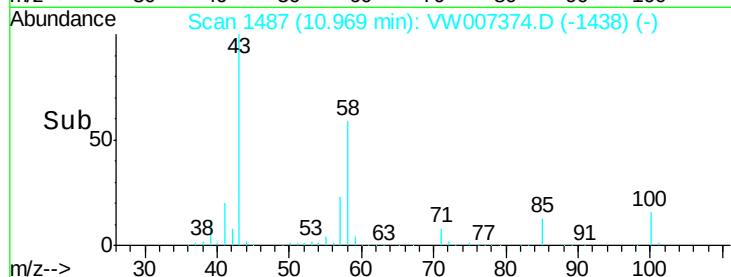
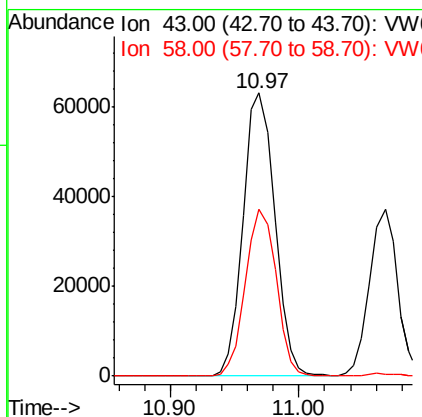
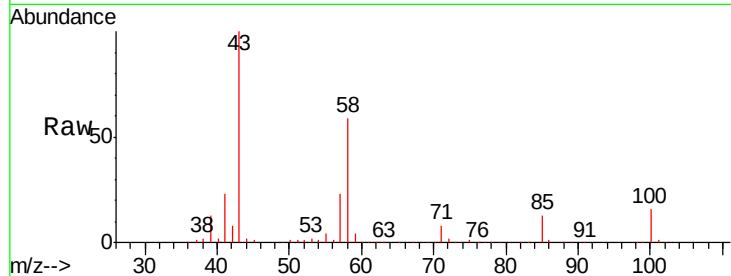
#59
2-Hexanone
Concen: 313.984 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 107601
Ion Ratio Lower Upper
43 100
58 57.0 27.1 81.3

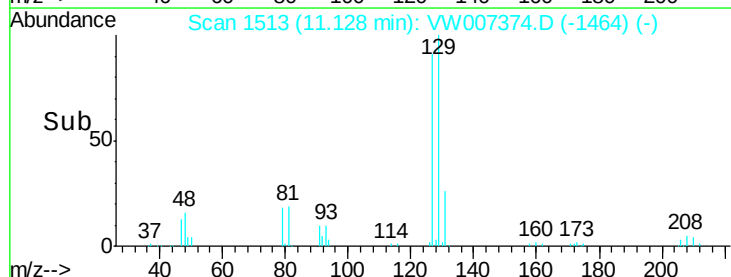
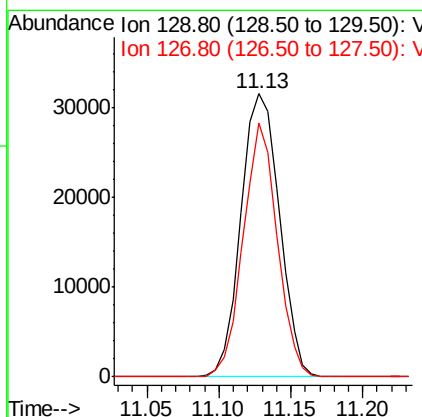
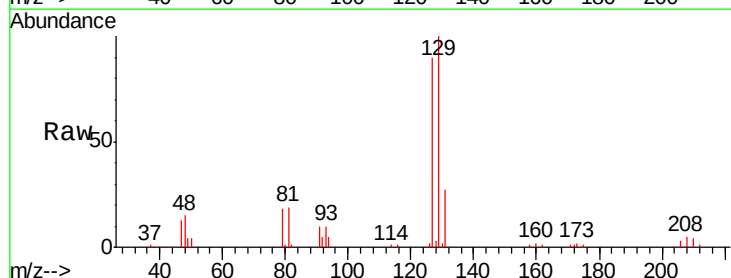
Manual Integrations
APPROVED

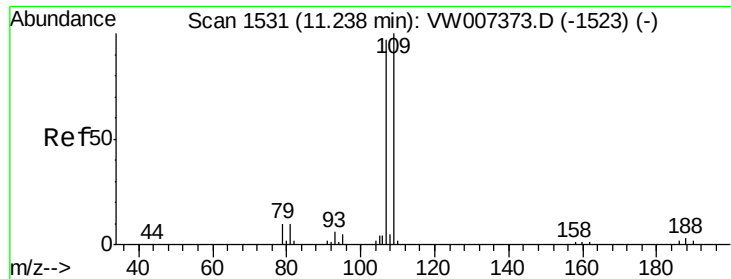
MMDadoda
12/11/2018 4:55:42 PM



#60
Dibromochloromethane
Concen: 71.000 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion: 129 Resp: 58582
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.3





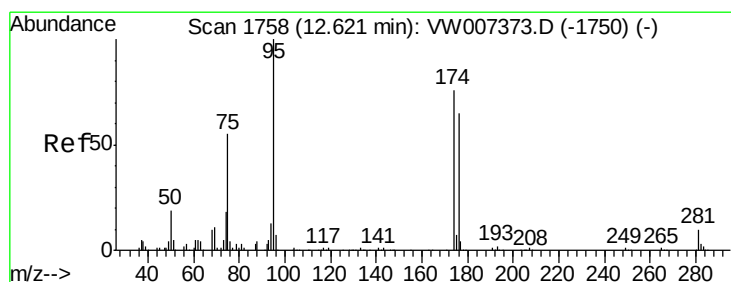
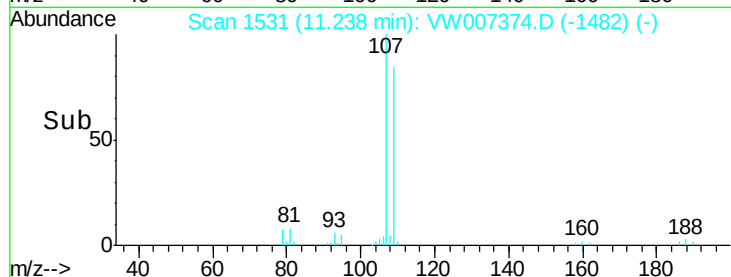
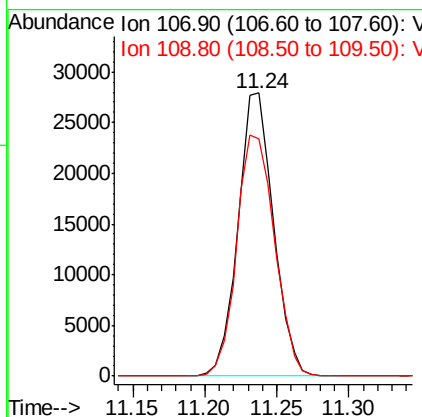
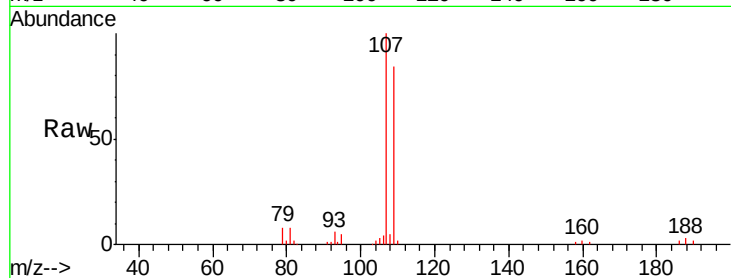
#61
1,2-Dibromoethane
Concen: 74.795 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion: 107 Resp: 47571
Ion Ratio Lower Upper
107 100
109 90.9 79.1 118.7

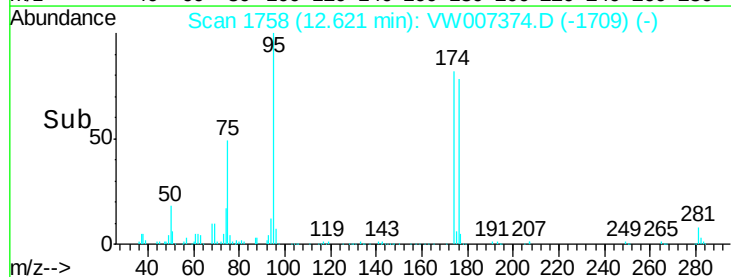
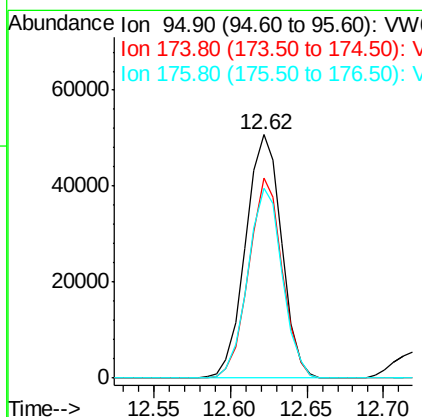
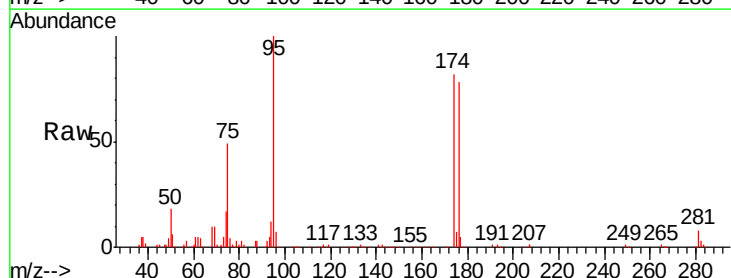
Manual Integrations
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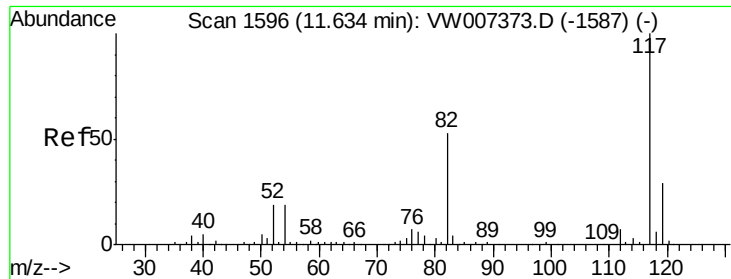
MMDadoda
12/11/2018 4:55:42 PM



#62
4-Bromofluorobenzene
Concen: 60.942 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion: 95 Resp: 82946
Ion Ratio Lower Upper
95 100
174 76.7 0.0 147.2
176 75.1 0.0 138.8





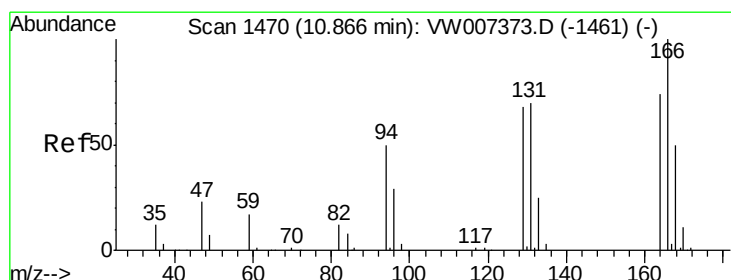
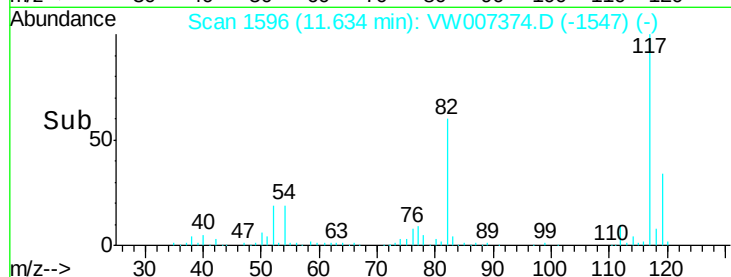
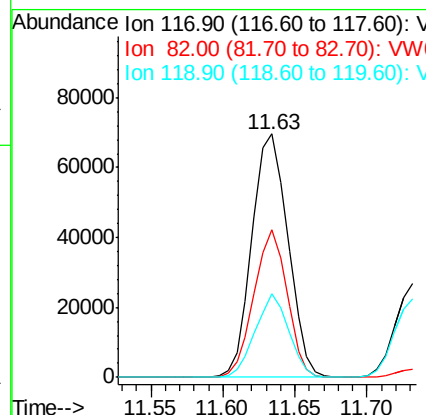
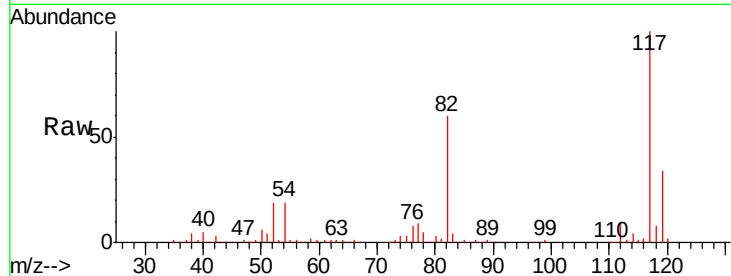
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	120701		
82	60.4	42.3	63.5	
119	34.3	23.0	34.6	

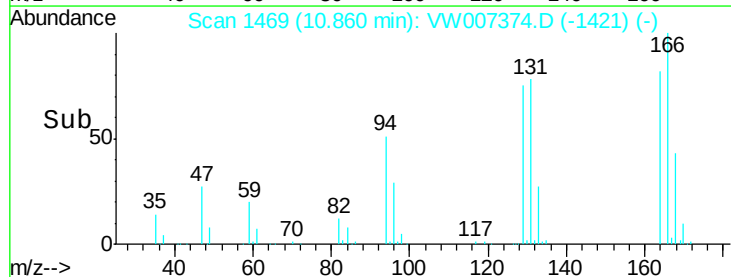
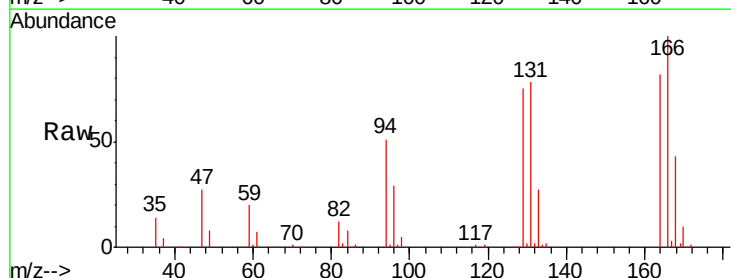
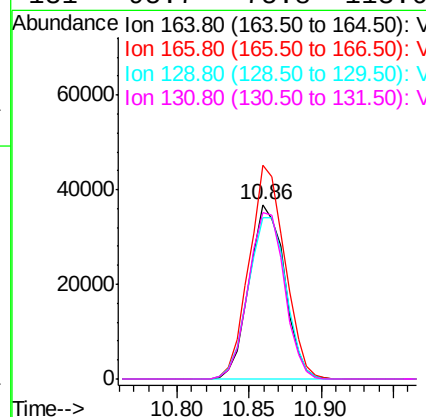
Manual Integrations
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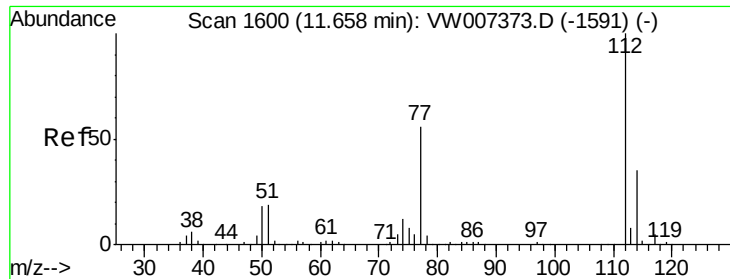
MMDadoda
12/11/2018 4:55:42 PM



#64
Tetrachloroethene
Concen: 71.941 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62372		
166	122.4	107.9	161.9	
129	92.3	73.4	110.2	
131	95.7	75.8	113.6	





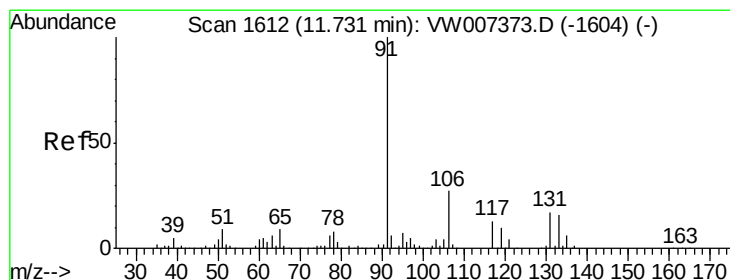
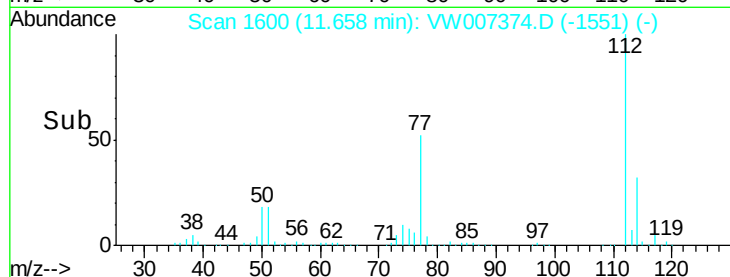
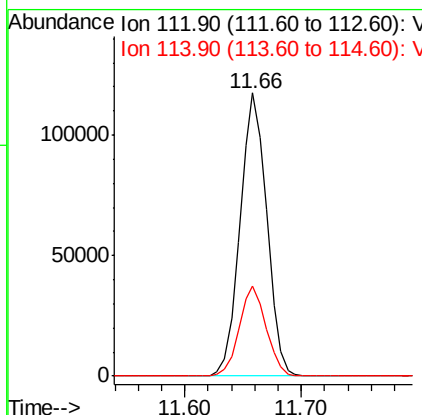
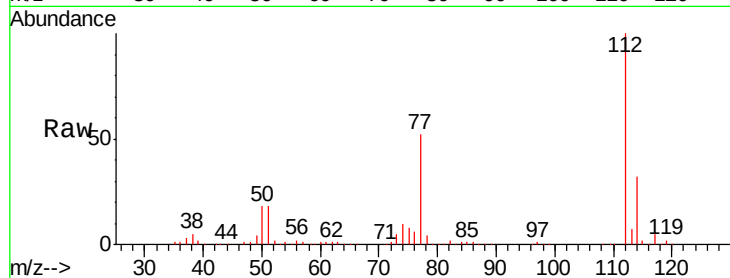
#65
Chlorobenzene
Concen: 71.215 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion:112 Resp: 188014
Ion Ratio Lower Upper
112 100
114 31.8 27.8 41.8

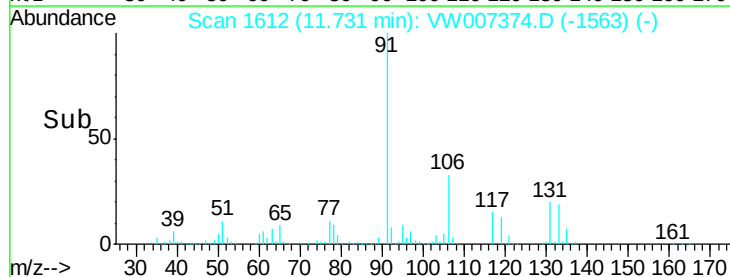
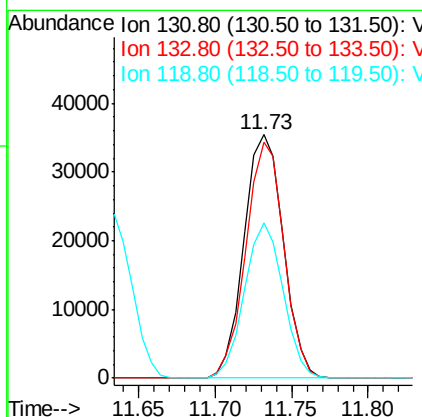
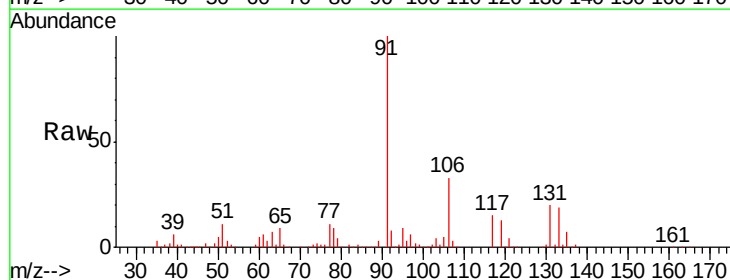
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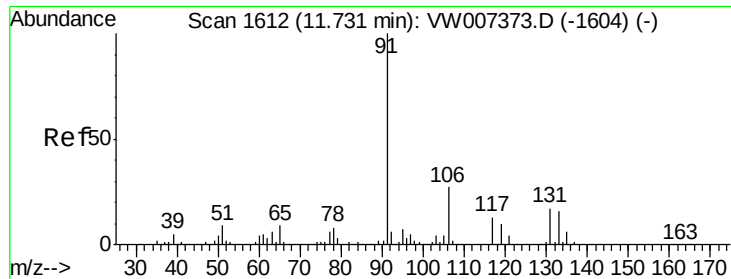
MMDadoda
12/11/2018 4:55:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 76.131 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion:131 Resp: 63450
Ion Ratio Lower Upper
131 100
133 93.8 47.1 141.4
119 62.3 31.3 93.9





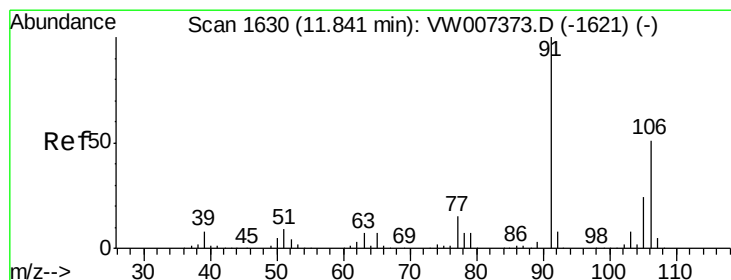
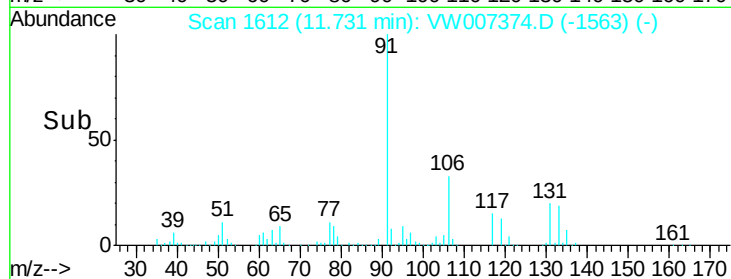
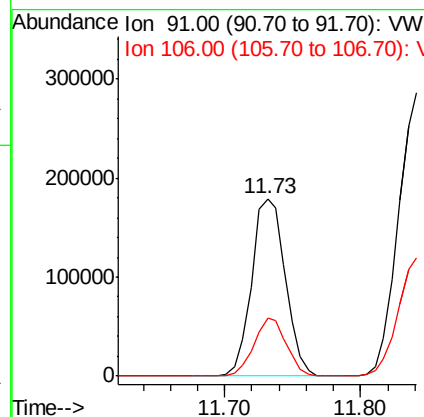
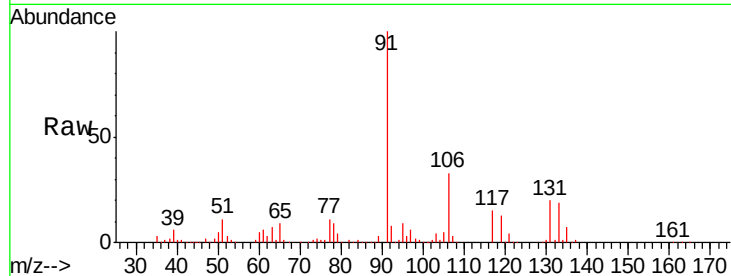
#67
Ethyl Benzene
Concen: 64.691 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion: 91 Resp: 310651
Ion Ratio Lower Upper
91 100
106 32.7 21.8 32.8

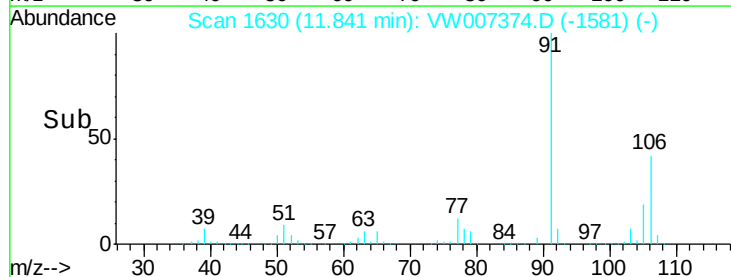
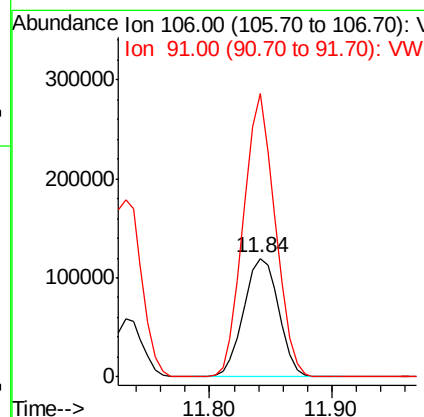
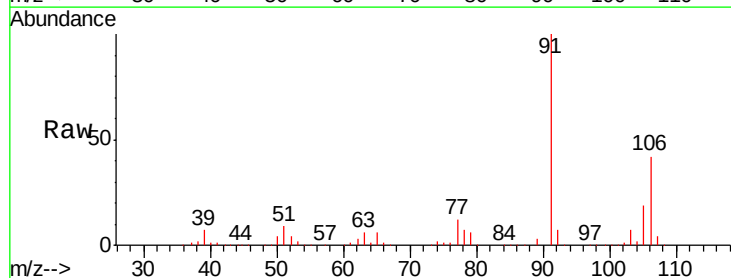
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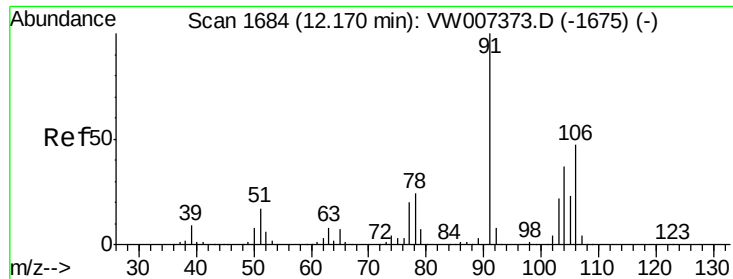
MMDadoda
12/11/2018 4:55:42 PM



#68
m/p-Xylenes
Concen: 126.939 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion: 106 Resp: 237664
Ion Ratio Lower Upper
106 100
91 216.7 165.3 247.9





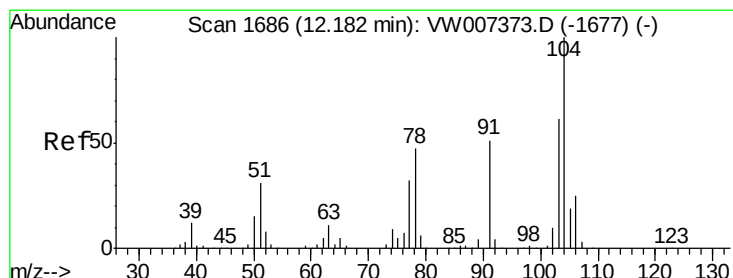
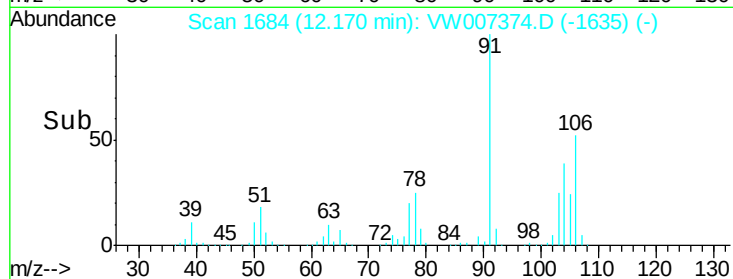
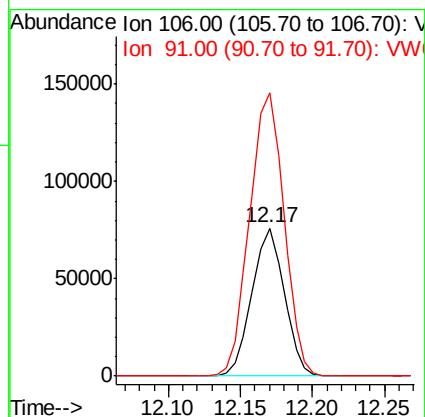
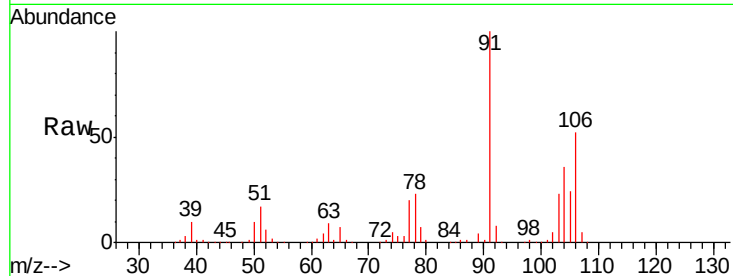
#69
o-Xylene
Concen: 67.177 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 118479
Ion Ratio Lower Upper
106 100
91 203.6 106.6 319.8

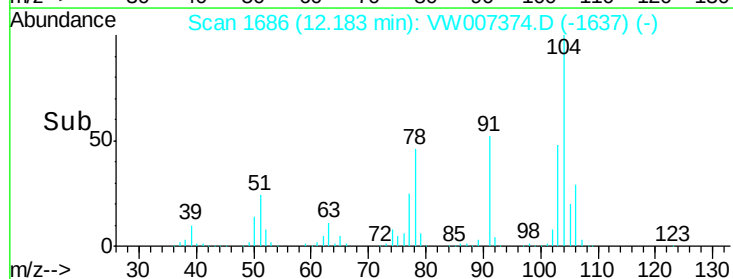
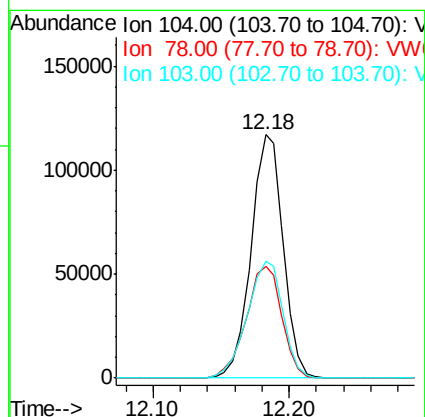
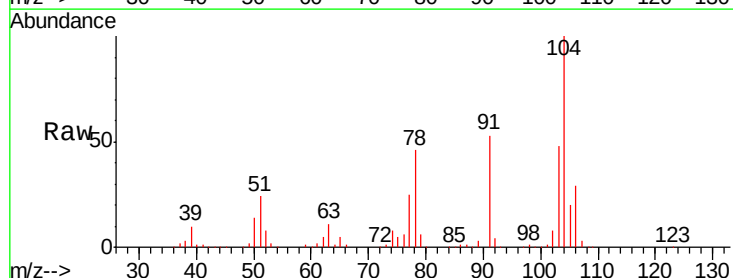
Manual Integrations
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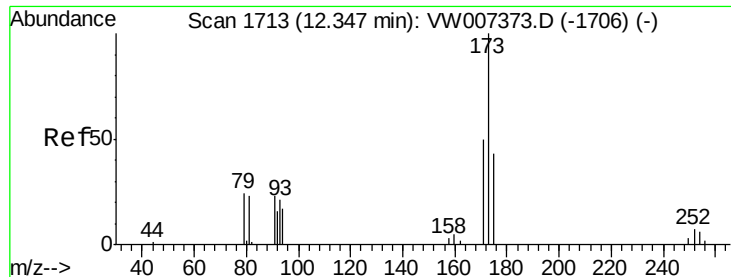
MMDadoda
12/11/2018 4:55:42 PM



#70
Styrene
Concen: 67.398 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion:104 Resp: 193077
Ion Ratio Lower Upper
104 100
78 51.5 41.8 62.8
103 53.5 46.6 69.8





#71

Bromoform

Concen: 78.941 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tgt Ion:173 Resp: 32848

Ion Ratio Lower Upper

173 100

175 49.9 23.6 70.8

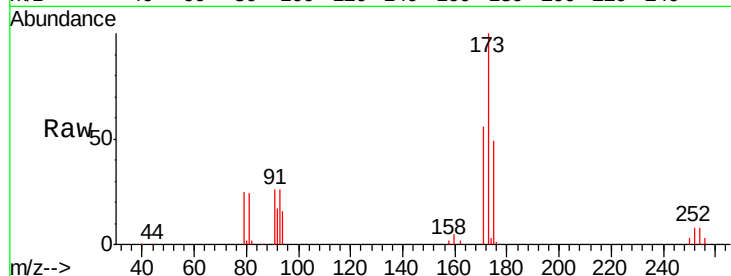
254 0.1 0.0 0.0#

Manual Integrations

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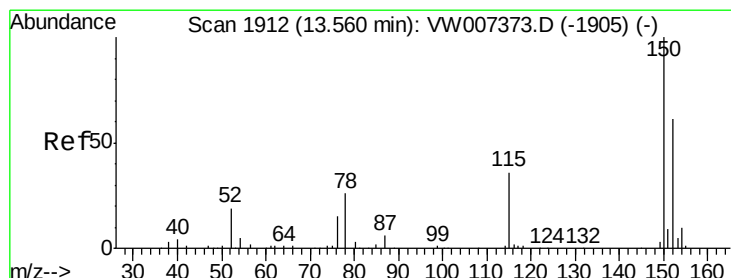
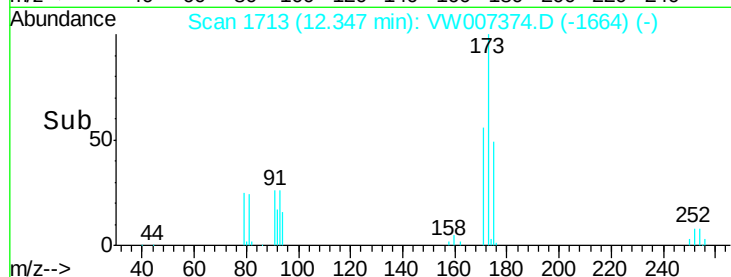
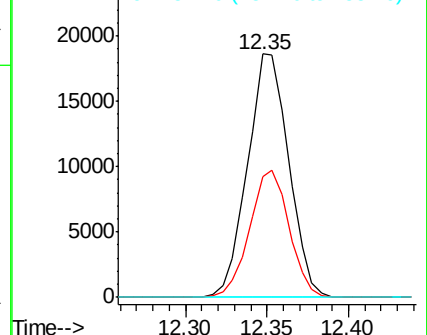
12/11/2018 4:55:42 PM



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: VW007374.D

Acq: 11 Dec 2018 00:31

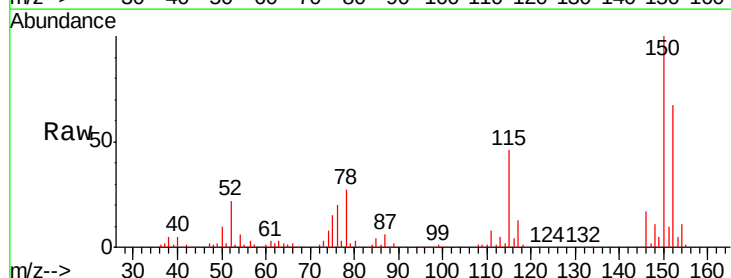
Tgt Ion:152 Resp: 57719

Ion Ratio Lower Upper

152 100

115 65.1 31.4 94.2

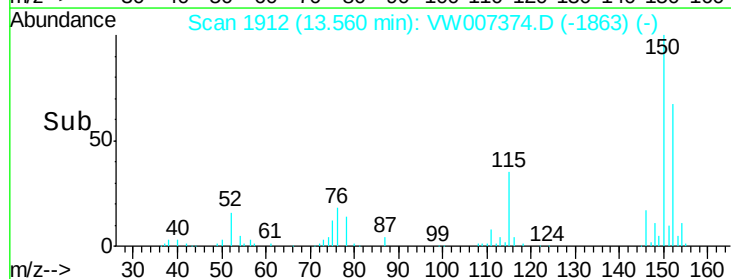
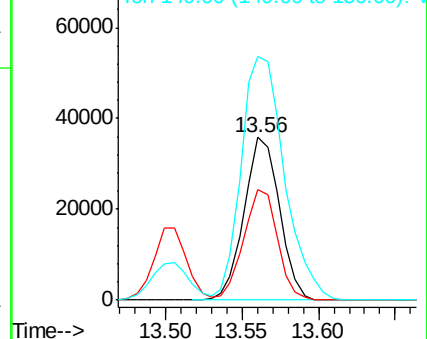
150 182.3 0.0 358.4

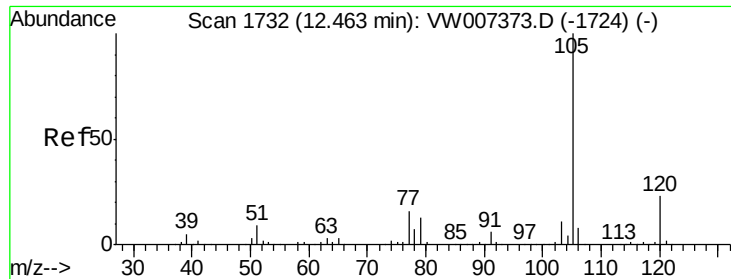


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





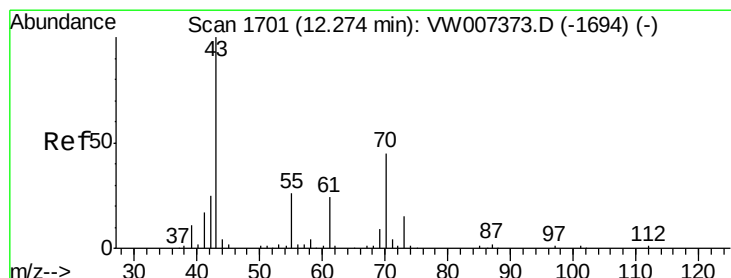
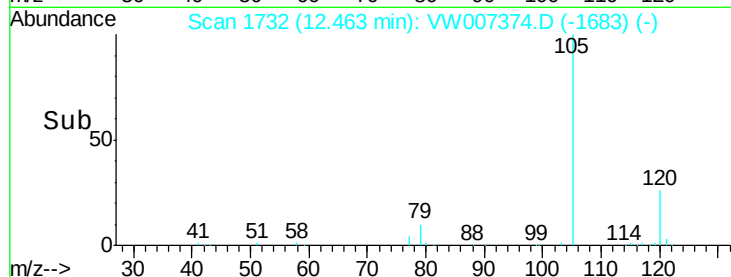
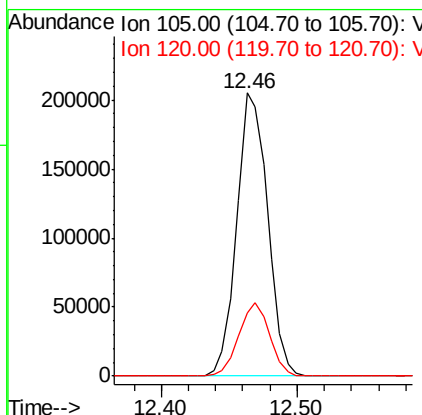
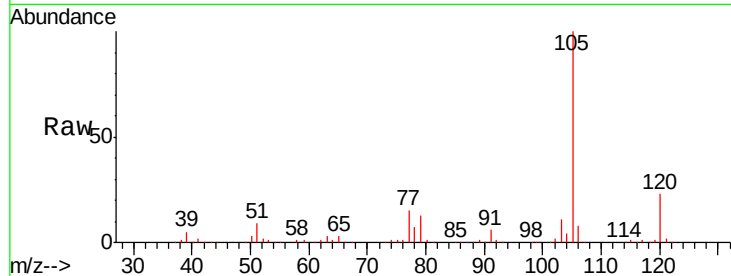
#73
Isopropylbenzene
Concen: 70.254 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion: 105 Resp: 324332
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4

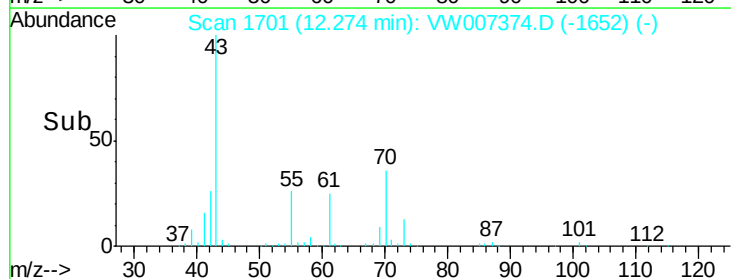
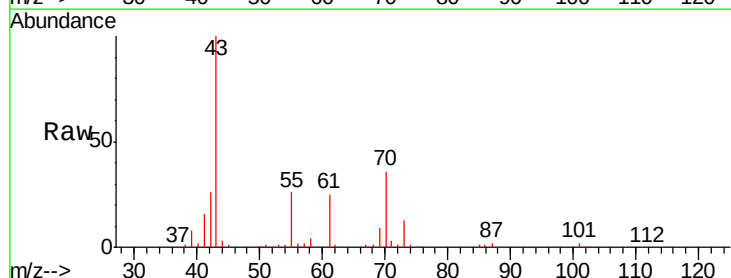
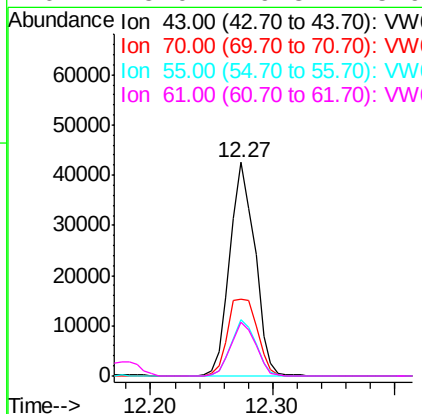
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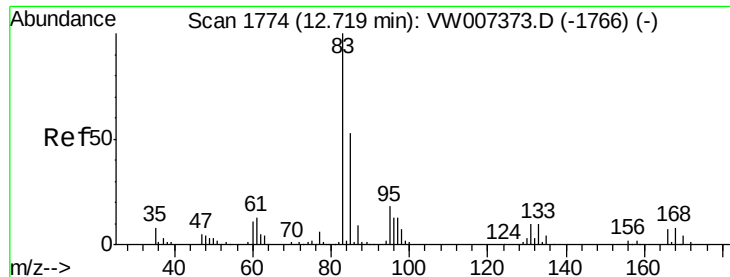
MMDadoda
12/11/2018 4:55:42 PM



#74
N-ethyl acetate
Concen: 74.149 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion: 43 Resp: 60316
Ion Ratio Lower Upper
43 100
70 43.0 36.5 54.7
55 26.2 20.1 30.1
61 25.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 79.262 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

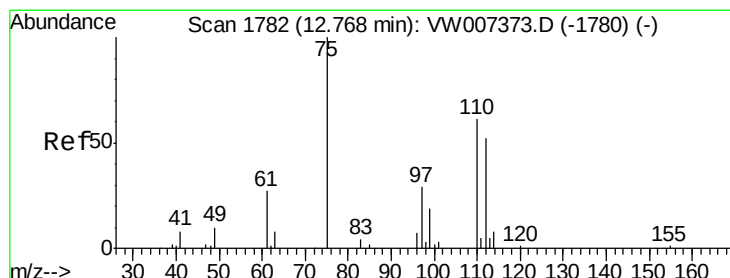
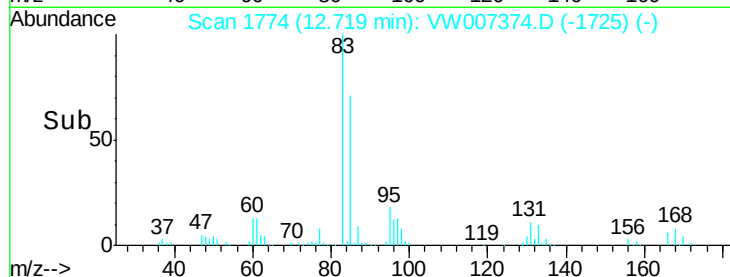
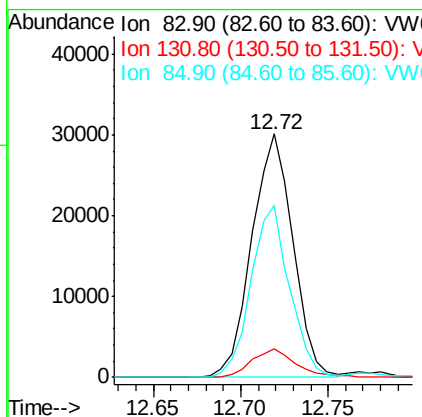
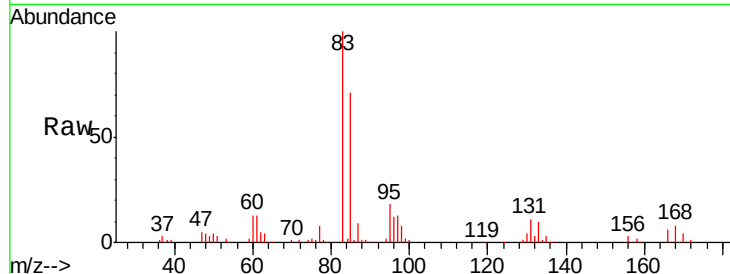
ClientSampleId :

VSTDIC075

Tgt Ion:	83	Resp:	49068
Ion Ratio	Lower	Upper	
83	100		
131	12.5	5.9	17.8
85	66.5	30.0	90.0

Manual Integrations
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12/11/2018 4:55:42 PM



#76

1,2,3-Trichloropropane

Concen: 76.589 ug/l m

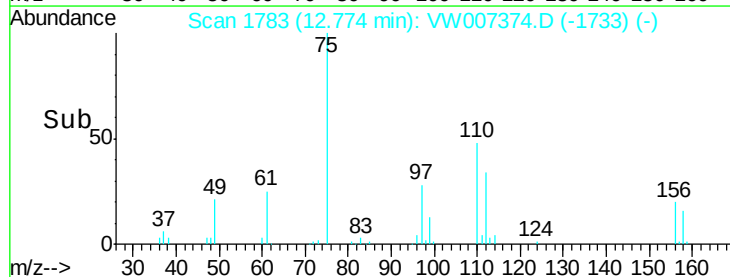
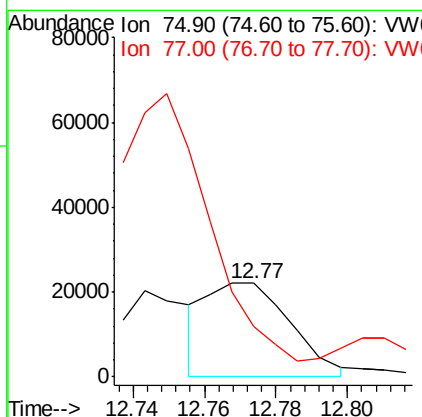
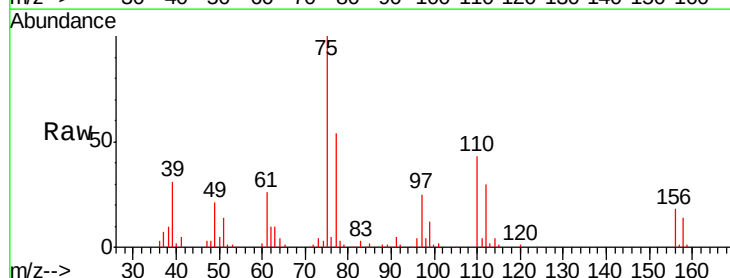
RT: 12.77 min Scan# 1783

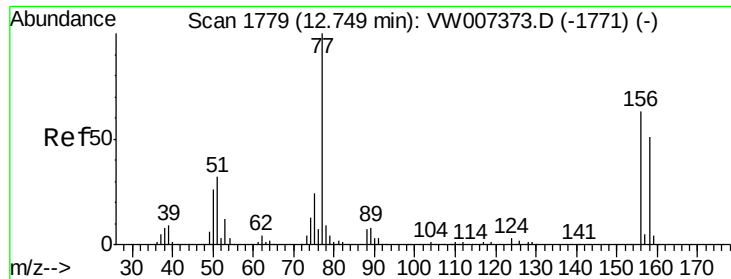
Delta R.T. 0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Tgt Ion:	75	Resp:	36037
Ion Ratio	Lower	Upper	
75	100		
77	0.0	166.9	500.8#





#77

Bromobenzene

Concen: 68.732 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Instrument :

MSVOA_W

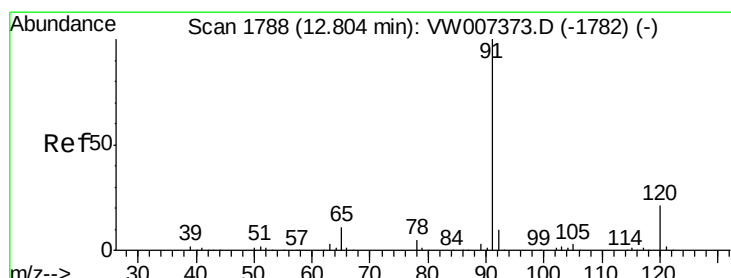
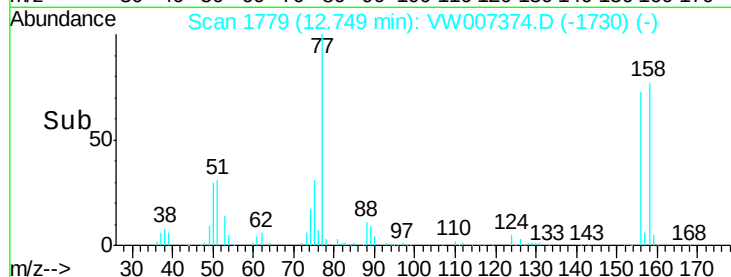
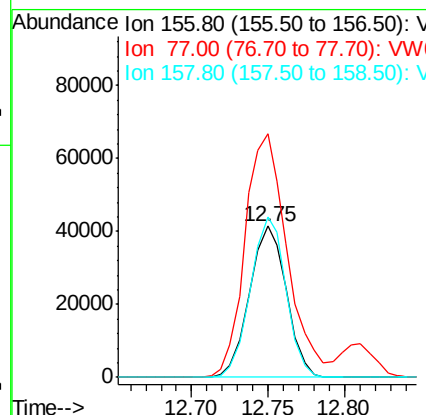
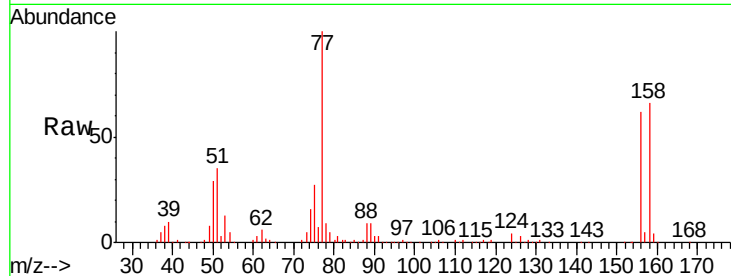
ClientSampleId :

VSTDIC075

Tgt Ion	Ratio	Lower	Upper
156	100		
77	182.7	88.1	264.4
158	101.9	45.6	136.7

Manual Integrations
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#78

n-propylbenzene

Concen: 67.840 ug/l

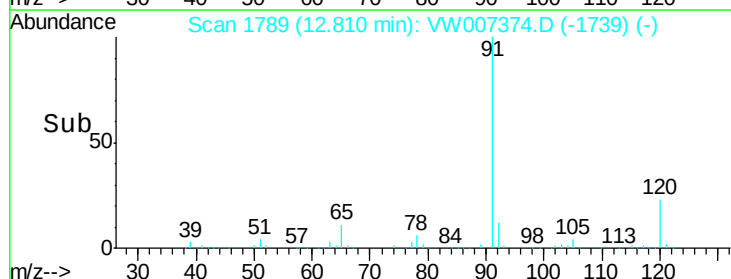
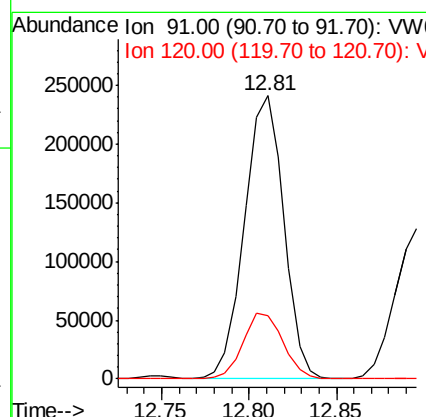
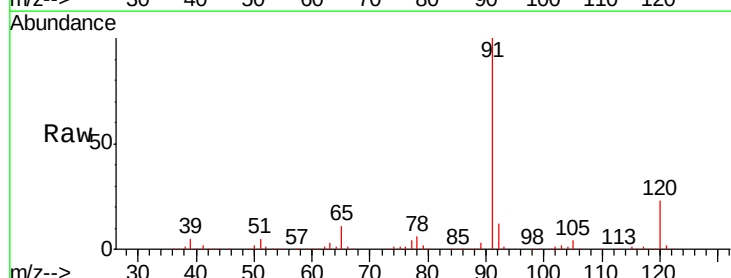
RT: 12.81 min Scan# 1789

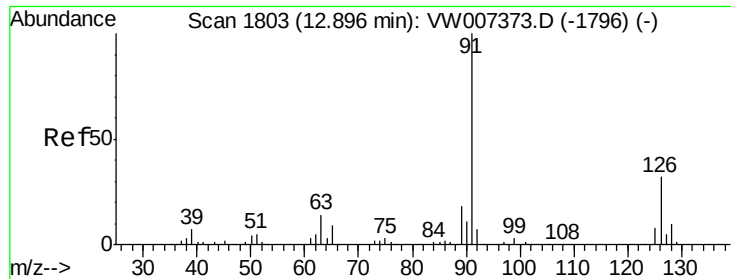
Delta R.T. 0.01 min

Lab File: VW007374.D

Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5





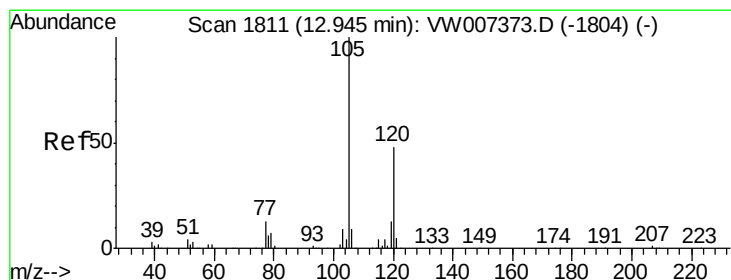
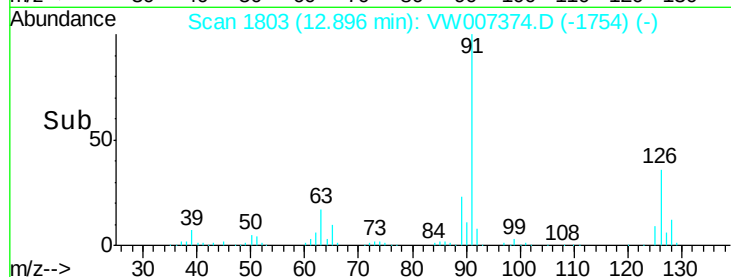
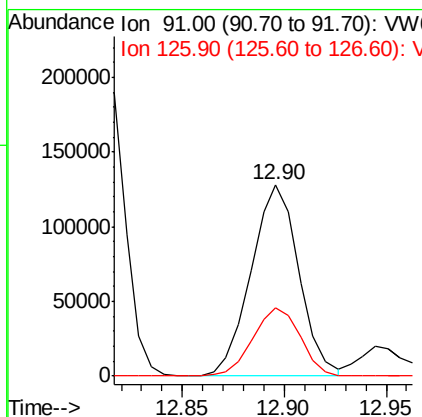
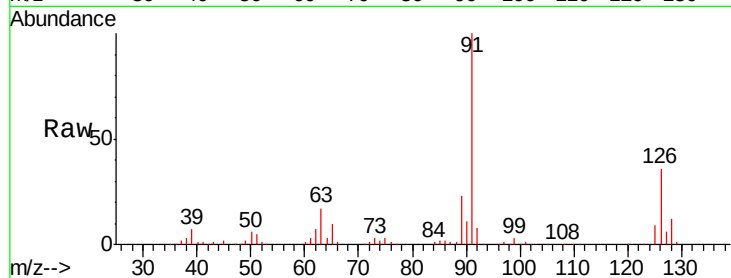
#79
2-Chlorotoluene
Concen: 66.585 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion: 91 Resp: 209444
Ion Ratio Lower Upper
91 100
126 35.5 15.9 47.6

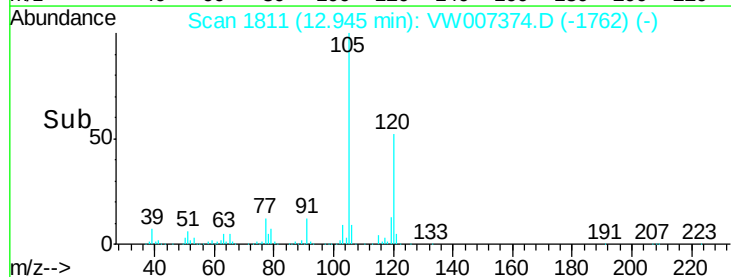
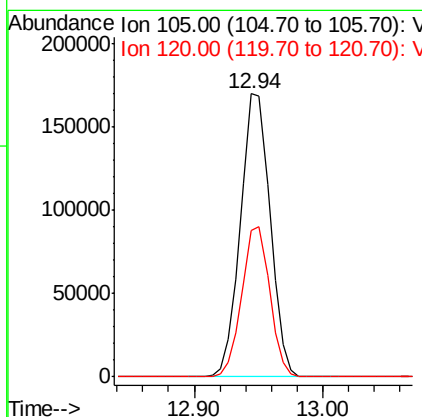
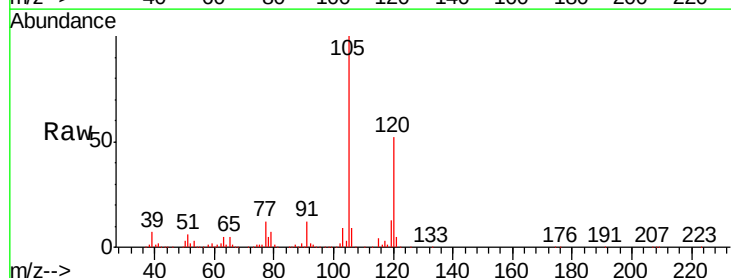
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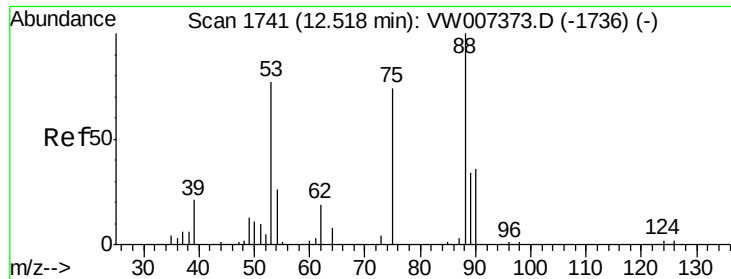
MMDadoda
12/11/2018 4:55:42 PM



#80
1,3,5-Trimethylbenzene
Concen: 68.575 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion: 105 Resp: 271076
Ion Ratio Lower Upper
105 100
120 50.2 23.8 71.4





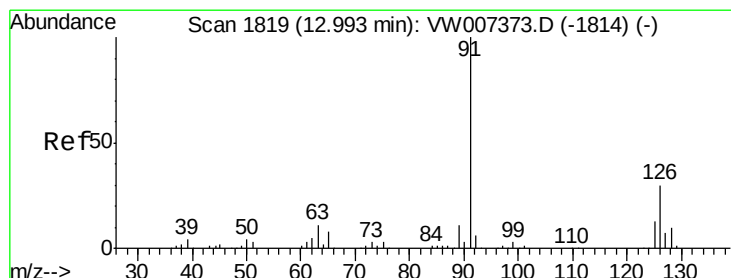
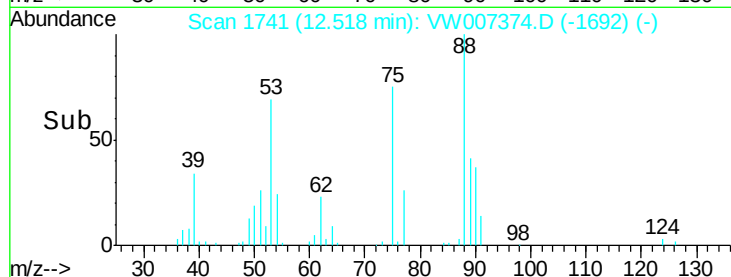
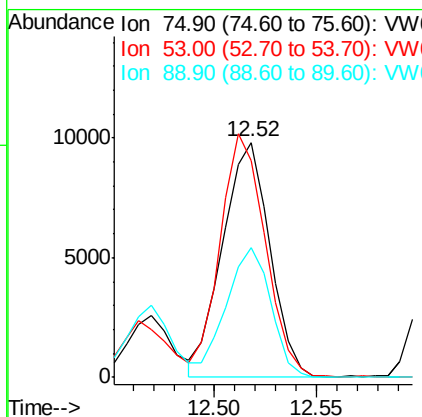
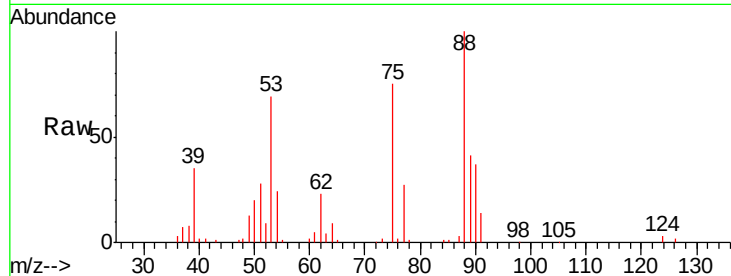
#81
trans-1,4-Dichloro-2-butene
Concen: 77.149 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15791		
53	99.0	84.9	127.3	
89	51.1	40.3	60.5	

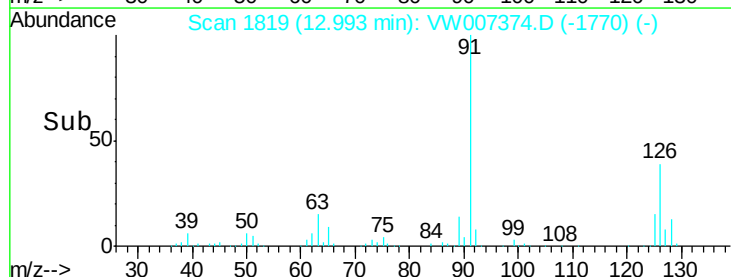
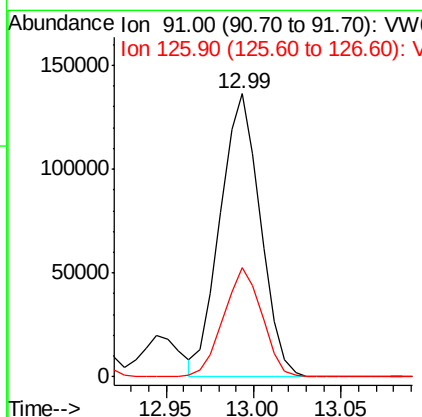
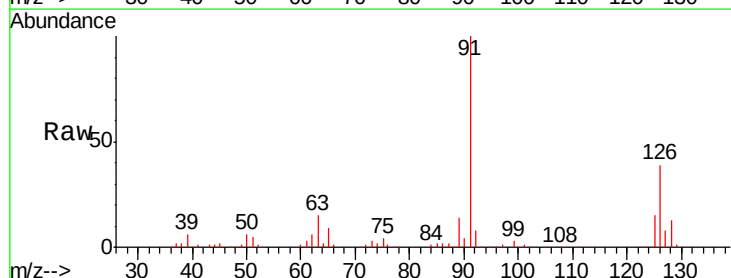
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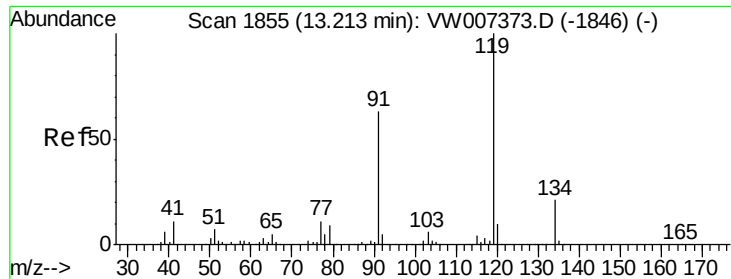
MMDadoda
12/11/2018 4:55:42 PM



#82
4-Chlorotoluene
Concen: 64.970 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	217462		
126	37.0	16.0	48.0	





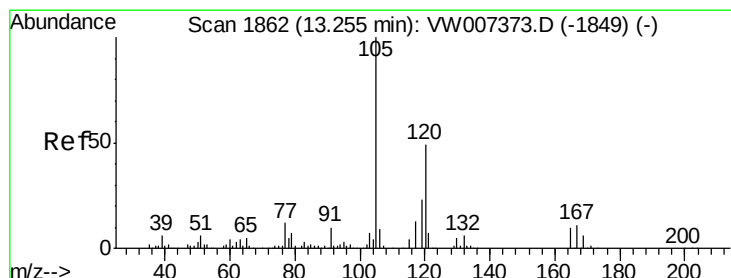
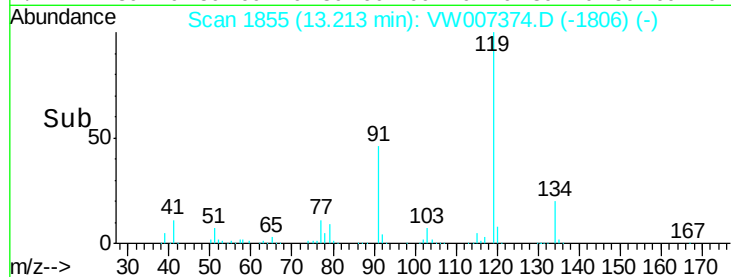
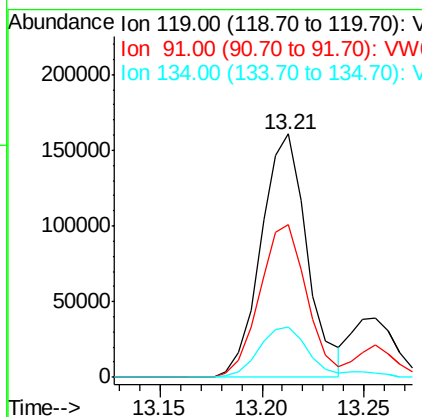
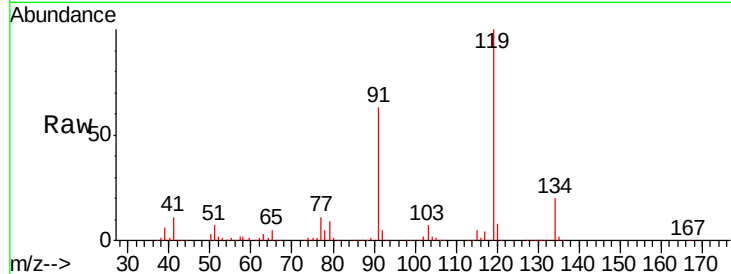
#83
 tert-Butylbenzene
 Concen: 72.428 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	252752		
91	64.1	33.1	99.2	
134	23.7	12.5	37.5	

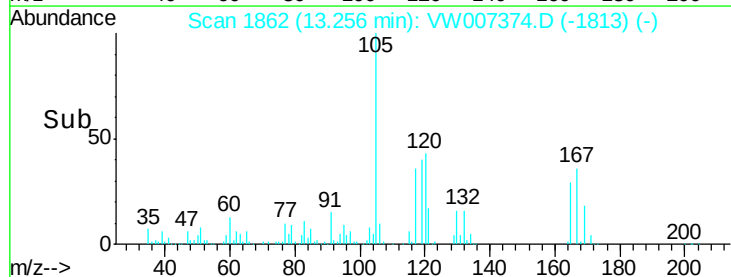
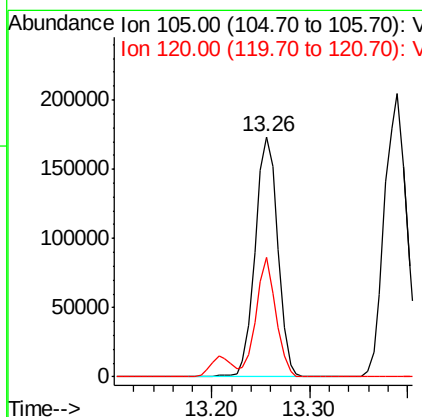
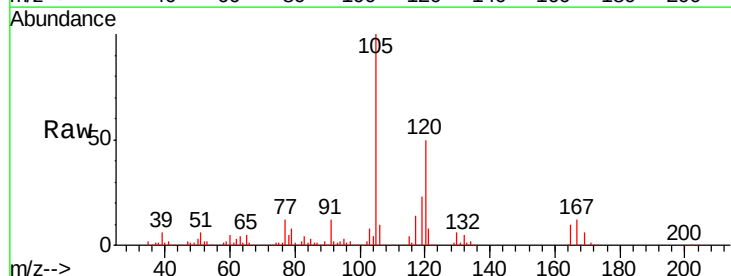
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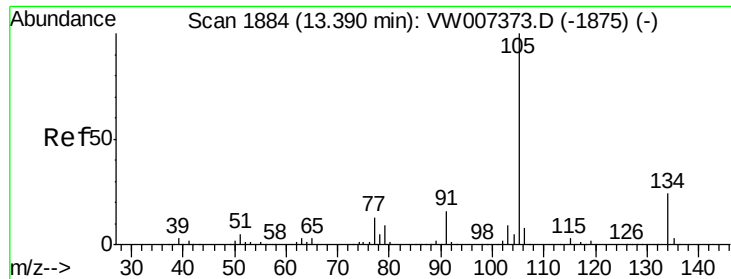
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#84
 1,2,4-Trimethylbenzene
 Concen: 68.643 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	277673		
120	44.0	22.6	67.7	





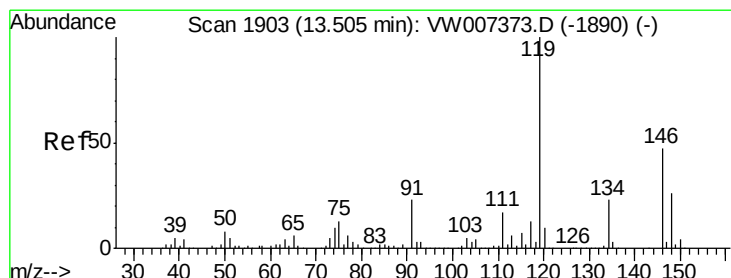
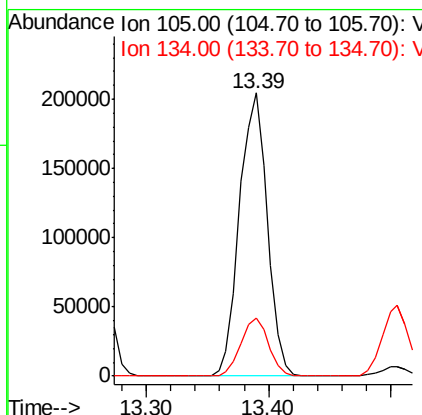
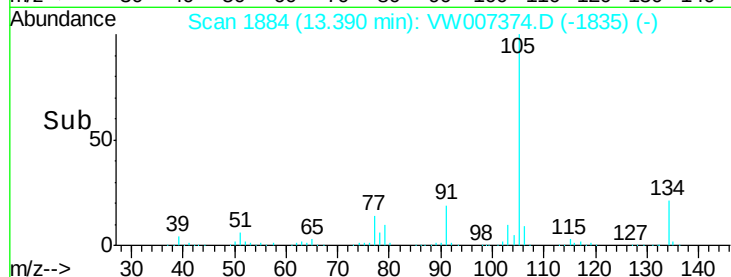
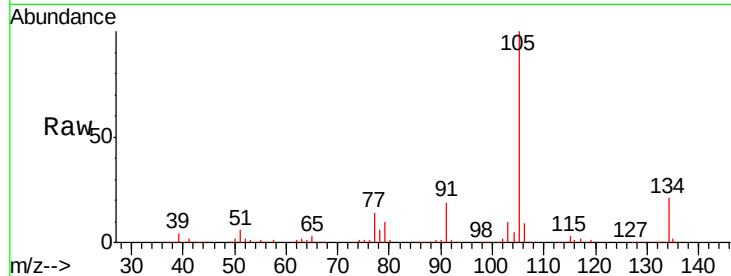
#85
 sec-Butylbenzene
 Concen: 65.392 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion:105 Resp: 321666
 Ion Ratio Lower Upper
 105 100
 134 20.4 11.1 33.3

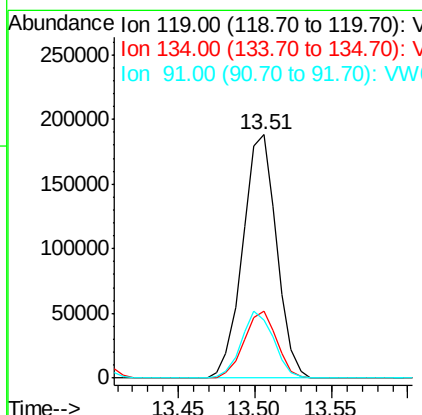
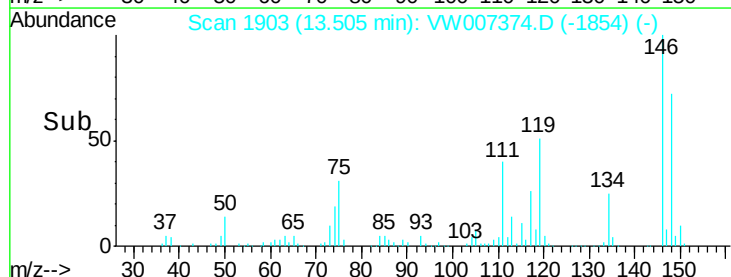
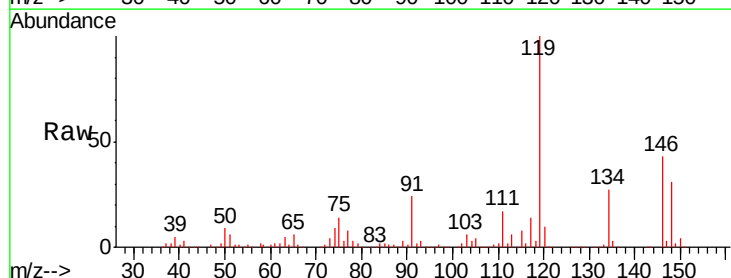
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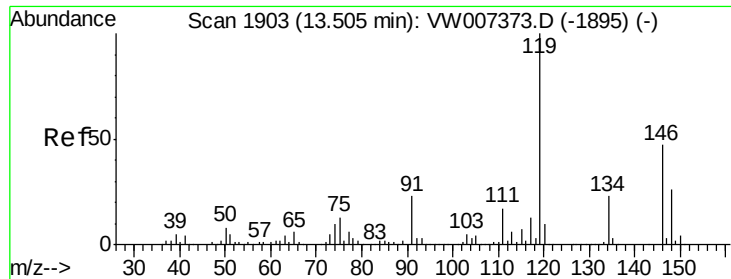
MMDadoda
 12/11/2018 4:55:42 PM



#86
 p-Isopropyltoluene
 Concen: 65.345 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Tgt Ion:119 Resp: 289077
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.9 38.7
 91 26.2 11.9 35.9





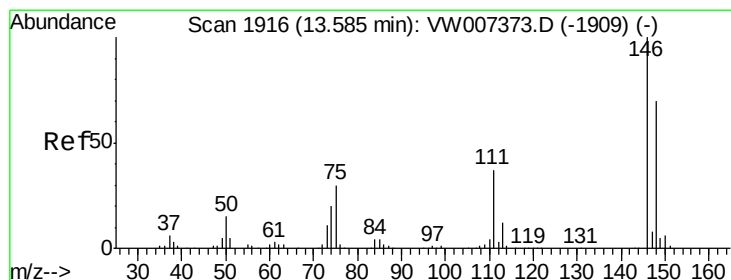
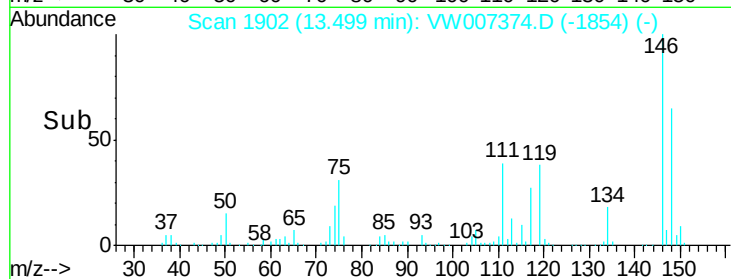
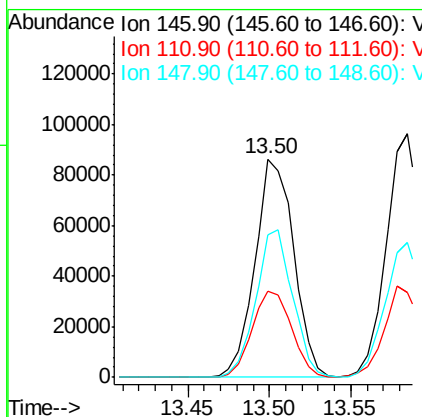
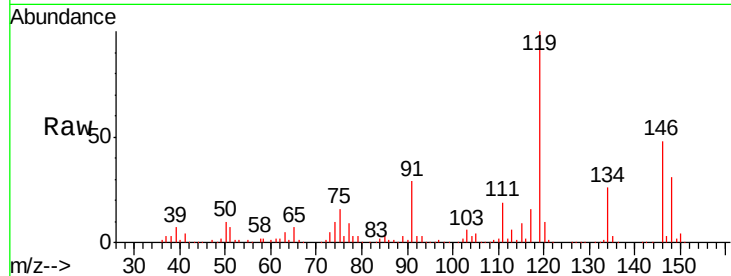
#87
 1,3-Dichlorobenzene
 Concen: 68.558 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	142045		
111	40.5	20.1	60.3	
148	64.0	31.4	94.0	

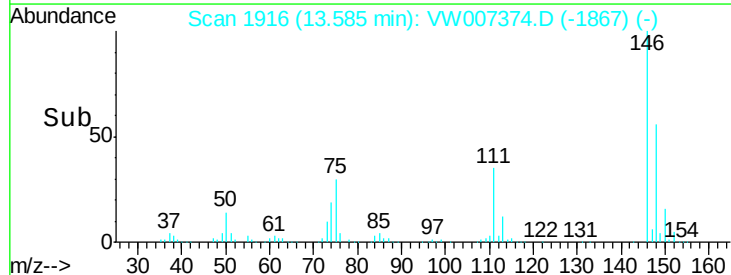
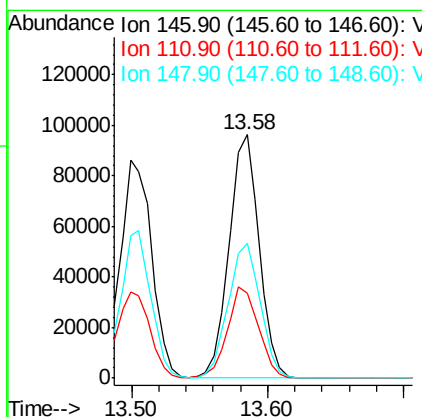
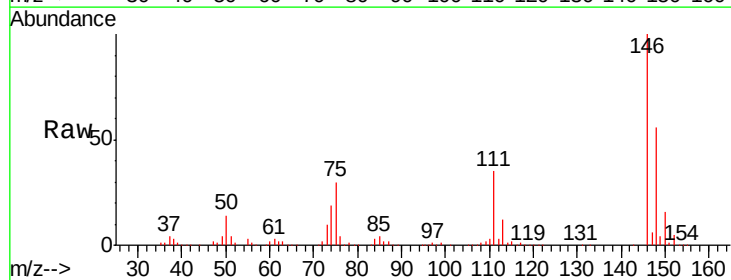
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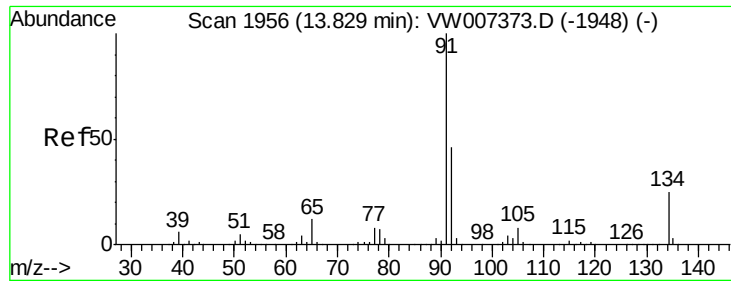
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#88
 1,4-Dichlorobenzene
 Concen: 71.397 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	147931		
111	38.6	20.3	61.0	
148	59.0	33.5	100.5	





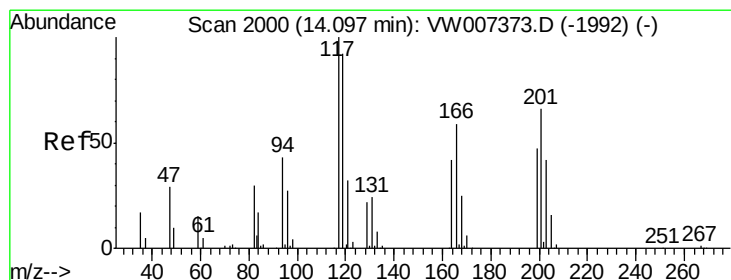
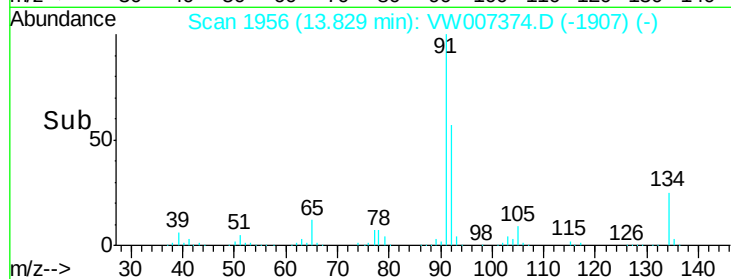
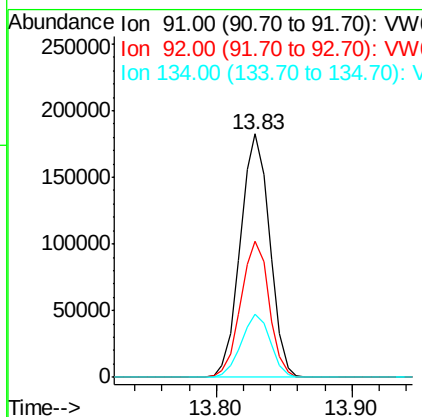
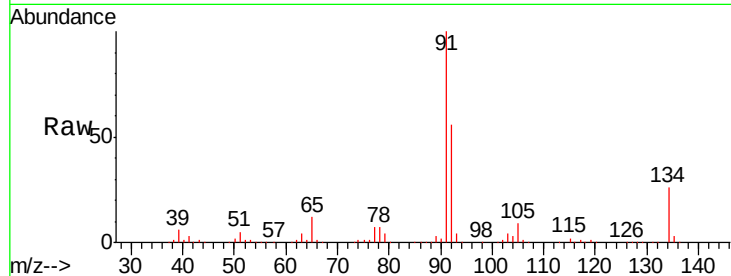
#89
n-Butylbenzene
Concen: 66.889 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	25.7	77.1
134	25.8	13.4	40.2

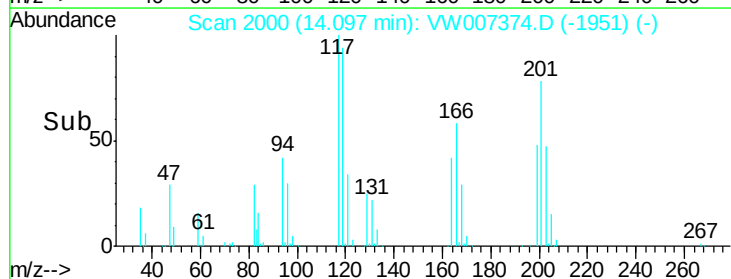
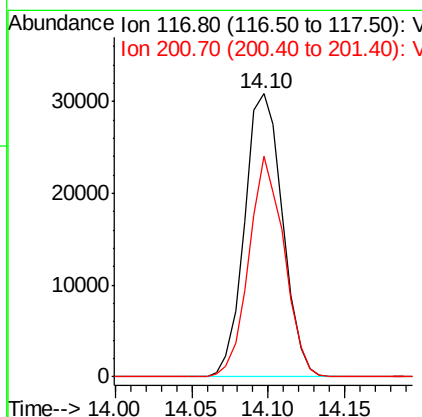
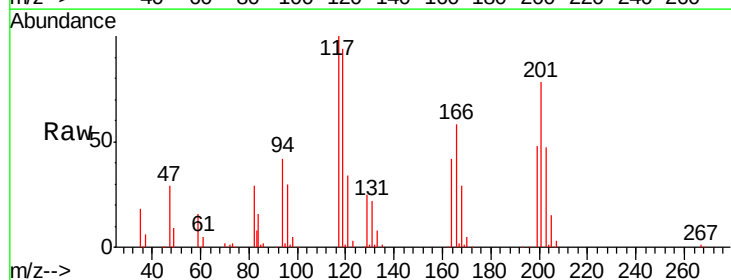
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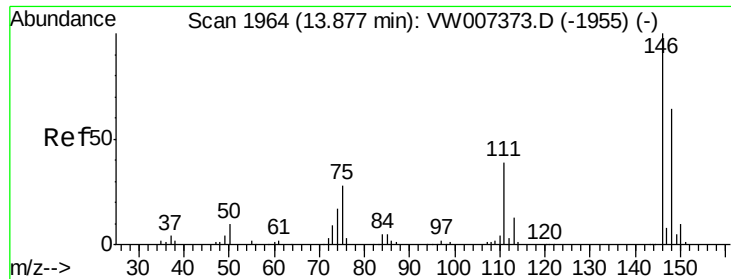
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12/11/2018 4:55:42 PM



#90
Hexachloroethane
Concen: 78.074 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.4	35.3	105.9





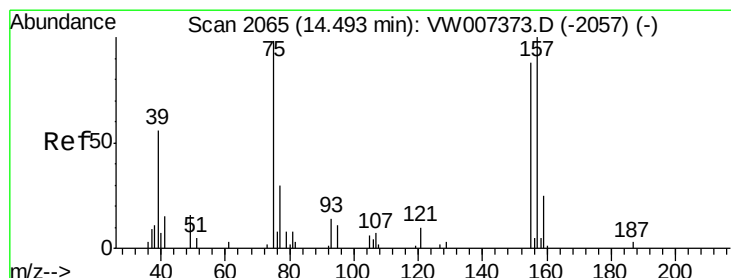
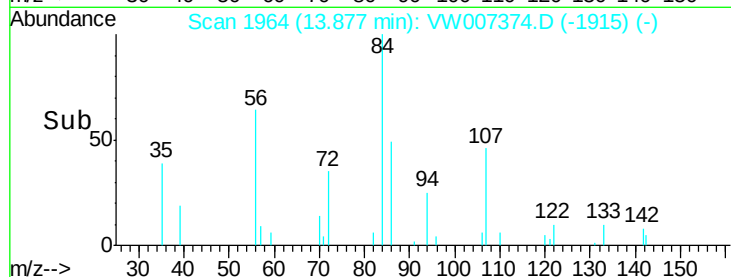
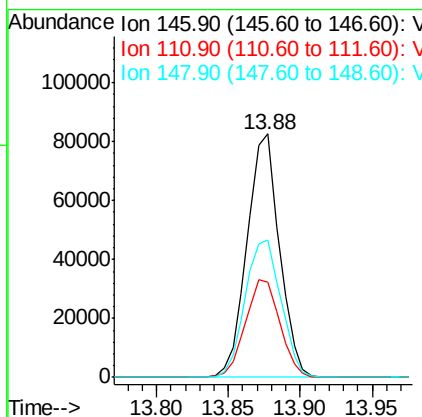
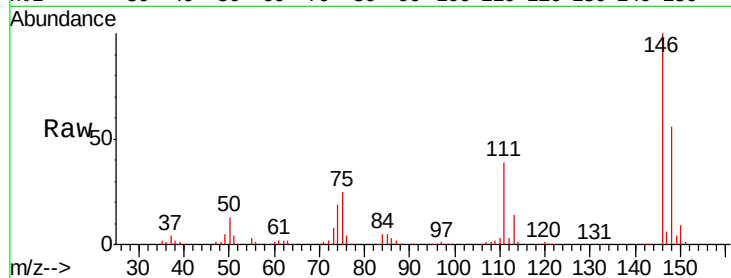
#91
 1,2-Dichlorobenzene
 Concen: 72.106 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.4	67.2
148	62.1	32.4	97.2

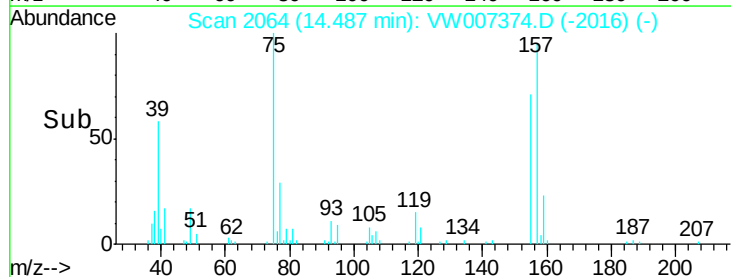
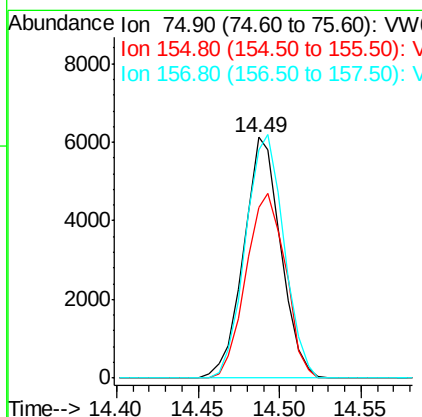
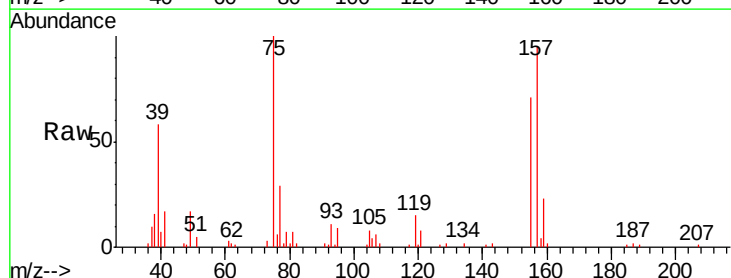
Manual Integrations
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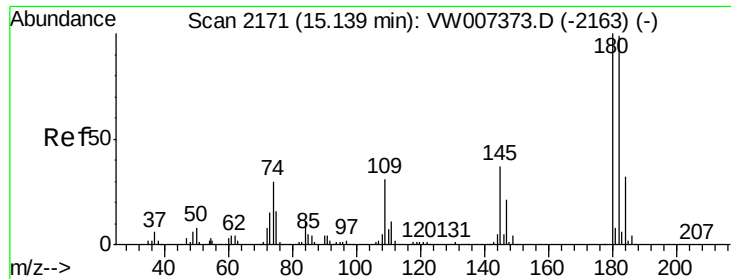
MMDadoda
 12/11/2018 4:55:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 80.990 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007374.D
 Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	40.8	122.2
157	104.3	51.1	153.4





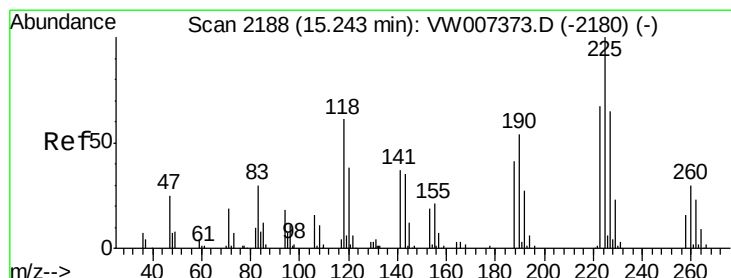
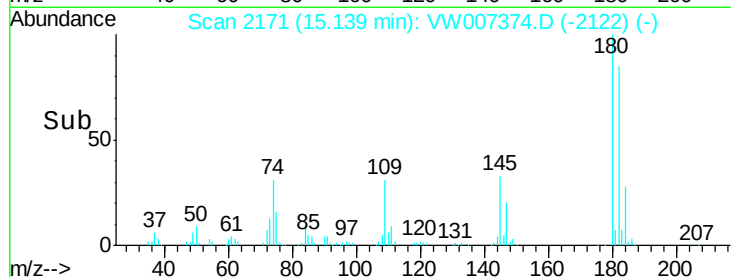
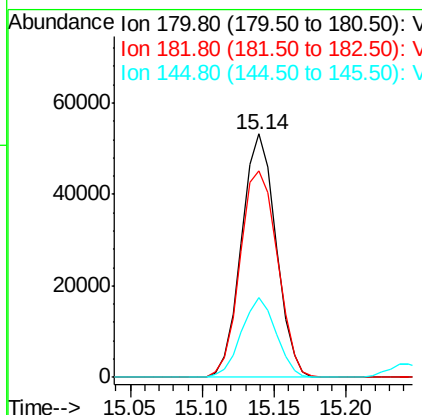
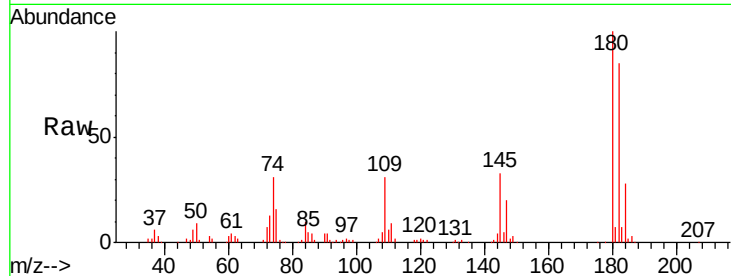
#93
1,2,4-Trichlorobenzene
Concen: 71.709 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88477		
182	91.7	49.9	149.6	
145	32.9	17.8	53.4	

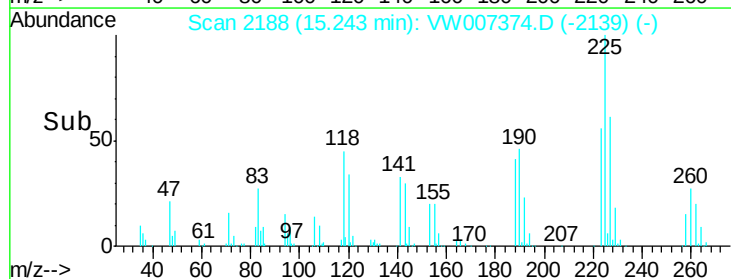
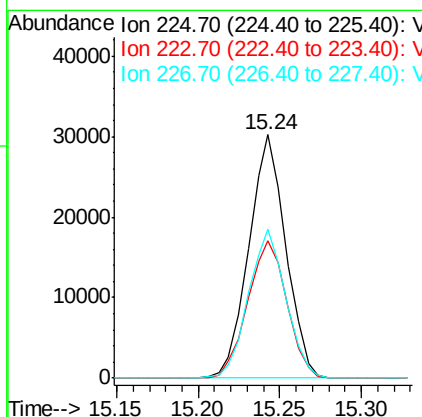
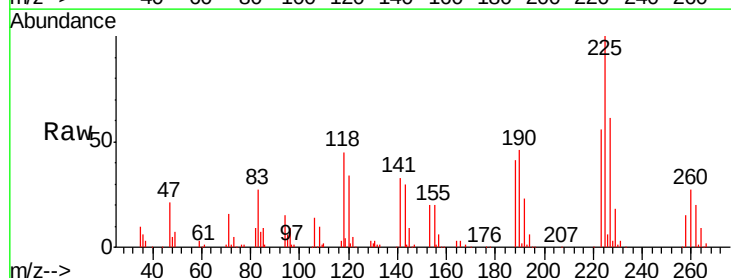
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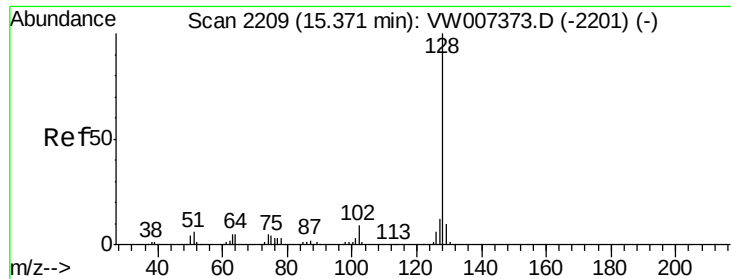
MMDadoda
12/11/2018 4:55:42 PM



#94
Hexachlorobutadiene
Concen: 71.213 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47485		
223	59.6	32.1	96.3	
227	61.7	31.9	95.9	





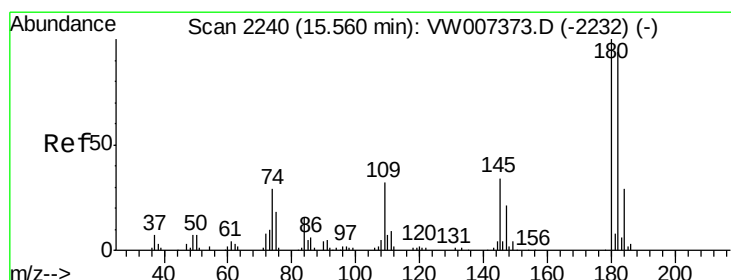
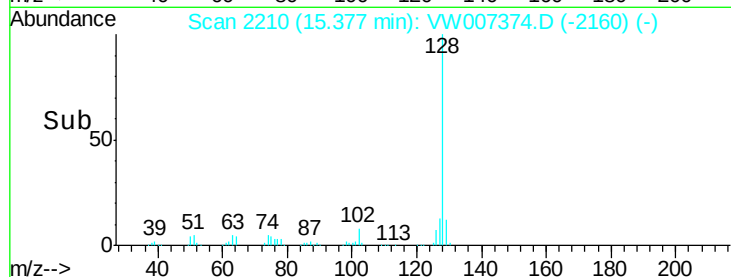
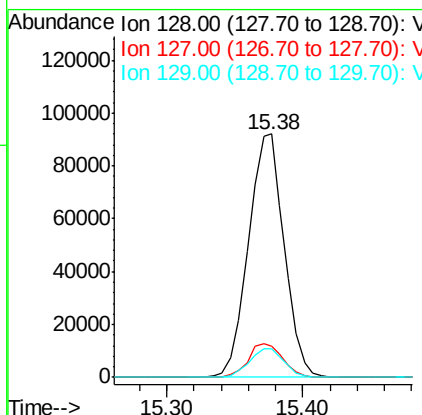
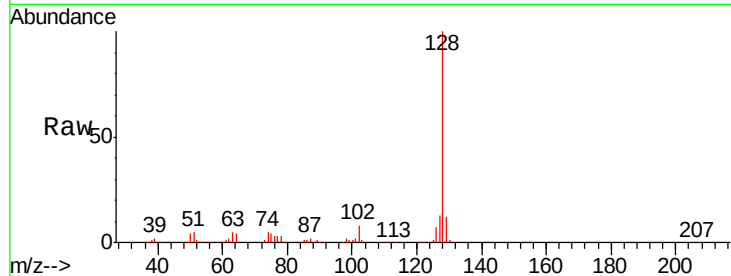
#95
Naphthalene
Concen: 75.212 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	168863		
127	13.5	10.2	15.4	
129	11.6	8.3	12.5	

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:55:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 70.996 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007374.D
Acq: 11 Dec 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74999		
182	94.7	45.6	136.7	
145	35.7	17.5	52.5	

