

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007370.D
 Acq On : 10 Dec 2018 22:22
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 12/11/2018 4:55:22 PM

Quant Time: Dec 11 01:49:15 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	89190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	154613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	134805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61676	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	5368	6.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.42%	
35) Dibromofluoromethane	7.88	113	4850	5.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.78%	
50) Toluene-d8	10.32	98	17168	4.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.90%	
62) 4-Bromofluorobenzene	12.62	95	6915	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	3556	3.871	ug/l 85
3) Chloromethane	2.21	50	2725	2.428	ug/l 96
4) Vinyl Chloride	2.37	62	3026	4.072	ug/l 98
5) Bromomethane	2.78	94	2092	5.378	ug/l 94
6) Chloroethane	2.92	64	1647	3.931	ug/l 96
7) Trichlorofluoromethane	3.26	101	2572	1.897	ug/l 95
8) Diethyl Ether	3.68	74	2418	5.677	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	4705	5.155	ug/l 96
10) Methyl Iodide	4.27	142	7483	8.293	ug/l 97
11) Tert butyl alcohol	5.15	59	1838m	19.288	ug/l
12) 1,1-Dichloroethene	4.03	96	4529	5.262	ug/l 91
13) Acrolein	3.89	56	1232	22.050	ug/l 95
14) Allyl chloride	4.67	41	6530	4.813	ug/l 99
15) Acrylonitrile	5.37	53	4630	26.400	ug/l 97
16) Acetone	4.12	43	4862	25.800	ug/l 89
17) Carbon Disulfide	4.37	76	13481	4.853	ug/l 100
18) Methyl Acetate	4.66	43	2352	5.201	ug/l 97
19) Methyl tert-butyl Ether	5.42	73	6564	3.471	ug/l 93
20) Methylene Chloride	4.90	84	7509	6.452	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	4980	5.183	ug/l 94
22) Diisopropyl ether	6.32	45	12476	5.083	ug/l 96
23) Vinyl Acetate	6.26	43	33567	24.952	ug/l # 93
24) 1,1-Dichloroethane	6.21	63	8596	5.388	ug/l 98
25) 2-Butanone	7.17	43	5706	25.224	ug/l # 88
26) 2,2-Dichloropropane	7.17	77	5872	4.054	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	5371	5.186	ug/l 96
28) Bromochloromethane	7.52	49	3196	5.474	ug/l # 100
29) Tetrahydrofuran	7.53	42	3405	24.088	ug/l 93
30) Chloroform	7.67	83	9238	5.518	ug/l 94
31) Cyclohexane	7.95	56	9009	5.549	ug/l # 87
32) 1,1,1-Trichloroethane	7.87	97	8296	5.361	ug/l 98
36) 1,1-Dichloropropene	8.08	75	7181	4.850	ug/l 99
37) Ethyl Acetate	7.26	43	2711	5.059	ug/l # 92
38) Carbon Tetrachloride	8.07	117	7551	4.917	ug/l 96

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	8549	4.361	ug/l #	90
40) Benzene	8.32	78	19949	4.878	ug/l	96
41) Methacrylonitrile	7.48	41	1761	5.508	ug/l #	82
42) 1,2-Dichloroethane	8.40	62	6176	5.277	ug/l	99
43) Isopropyl Acetate	8.42	43	5068	4.828	ug/l	96
44) Trichloroethene	9.10	130	5603	4.892	ug/l	89
45) 1,2-Dichloropropane	9.37	63	4504	4.728	ug/l	98
46) Dibromomethane	9.46	93	2587	5.151	ug/l	99
47) Bromodichloromethane	9.65	83	6635	5.017	ug/l	95
48) Methyl methacrylate	9.43	41	2883	5.342	ug/l	93
49) 1,4-Dioxane	9.45	88	763	88.345	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	12380	24.238	ug/l	96
52) Toluene	10.39	92	12893	4.575	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	6412	4.889	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	7409	4.831	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	3504	4.945	ug/l	92
56) Ethyl methacrylate	10.65	69	4218	4.648	ug/l	98
57) 1,3-Dichloropropane	10.93	76	5548	4.669	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	8592	22.546	ug/l	96
59) 2-Hexanone	10.97	43	7940	21.826	ug/l	100
60) Dibromochloromethane	11.12	129	4442	5.071	ug/l	99
61) 1,2-Dibromoethane	11.23	107	3684	5.456	ug/l	90
64) Tetrachloroethene	10.86	164	4739	4.894	ug/l	82
65) Chlorobenzene	11.66	112	14000	4.748	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	4905	5.270	ug/l	96
67) Ethyl Benzene	11.73	91	23440	4.371	ug/l #	88
68) m/p-Xylenes	11.84	106	18490	8.842	ug/l	92
69) o-Xylene	12.17	106	8407	4.268	ug/l	96
70) Styrene	12.18	104	13311	4.160	ug/l	97
71) Bromoform	12.35	173	2552	5.491	ug/l #	94
73) Isopropylbenzene	12.47	105	23057	4.674	ug/l	94
74) N-amyl acetate	12.27	43	4076	4.689	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	3891	5.882	ug/l	92
76) 1,2,3-Trichloropropane	12.77	75	2758m	5.486	ug/l	
77) Bromobenzene	12.75	156	5395	4.981	ug/l	94
78) n-propylbenzene	12.81	91	26962	4.551	ug/l	96
79) 2-Chlorotoluene	12.90	91	15701	4.671	ug/l	95
80) 1,3,5-Trimethylbenzene	12.95	105	19563	4.631	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	1153	5.272	ug/l	94
82) 4-Chlorotoluene	12.99	91	18360	5.133	ug/l	99
83) tert-Butylbenzene	13.21	119	18287	4.904	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	21038	4.867	ug/l	100
85) sec-Butylbenzene	13.38	105	24563	4.673	ug/l	93
86) p-Isopropyltoluene	13.51	119	21502	4.549	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	11008	4.972	ug/l	94
88) 1,4-Dichlorobenzene	13.58	146	11760	5.312	ug/l	95
89) n-Butylbenzene	13.83	91	20929	4.765	ug/l	97
90) Hexachloroethane	14.10	117	3759	5.163	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	10227	5.377	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.49	75	679	5.303	ug/l	98

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ClientSampleId :
VSTDICC005

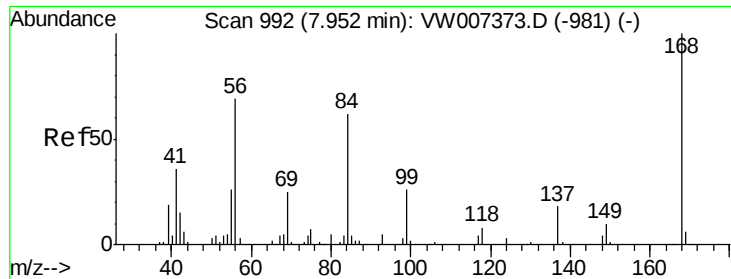
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	6799	5.157	ug/l	92
94) Hexachlorobutadiene	15.24	225	3445	4.835	ug/l	99
95) Naphthalene	15.38	128	11999	5.002	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	5689	5.040	ug/l	94

(#) = 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: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 168 Resp: 89190

Ion Ratio Lower Upper

168 100

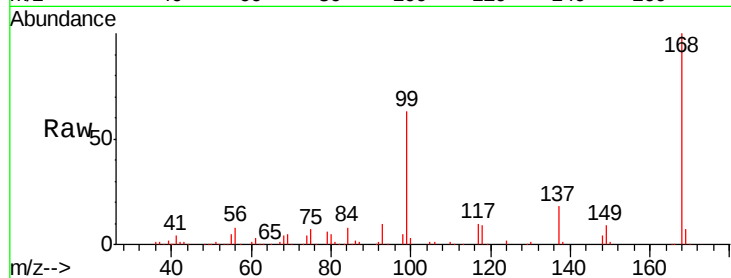
99 62.9 48.3 72.5

Manual Integrations

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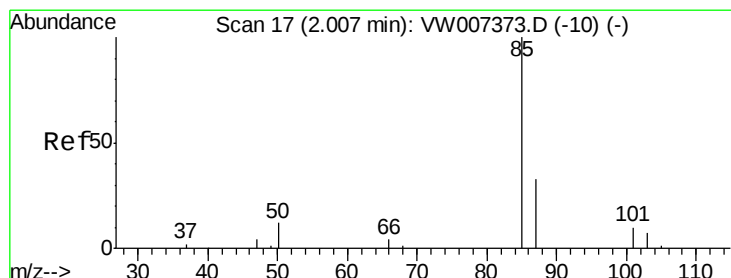
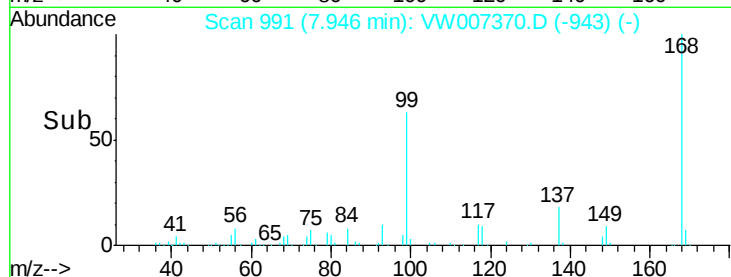
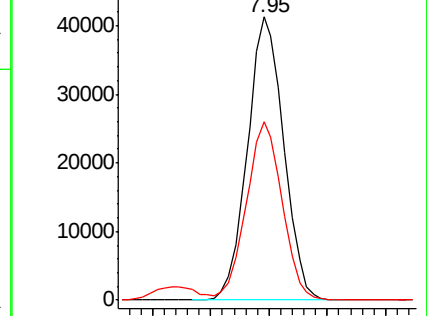
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.871 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007370.D

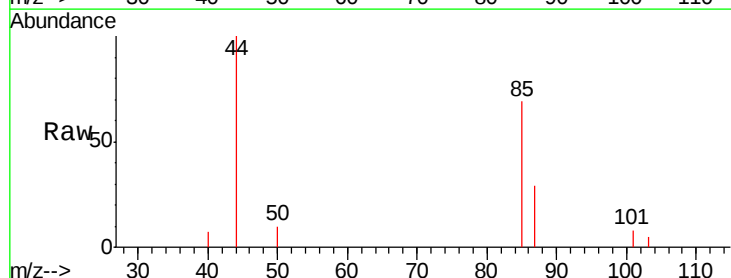
Acq: 10 Dec 2018 22:22

Tgt Ion: 85 Resp: 3556

Ion Ratio Lower Upper

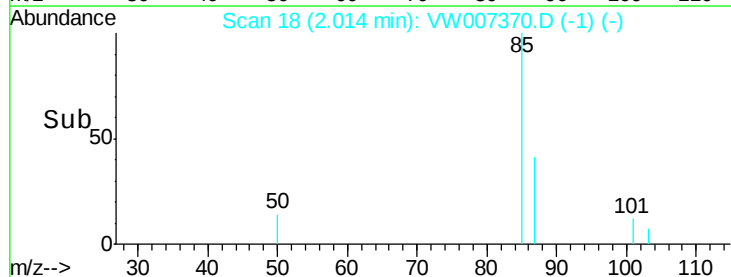
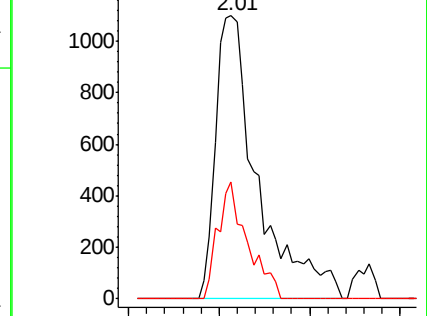
85 100

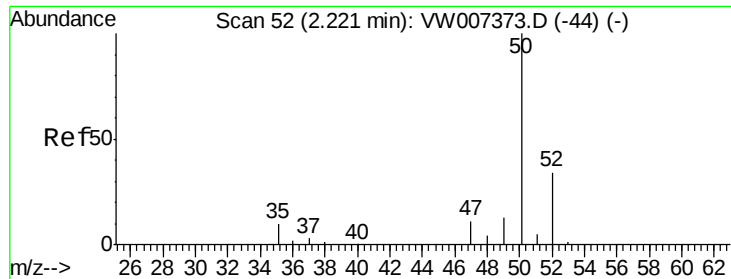
87 41.3 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 2.428 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 2725

Ion Ratio Lower Upper

50 100

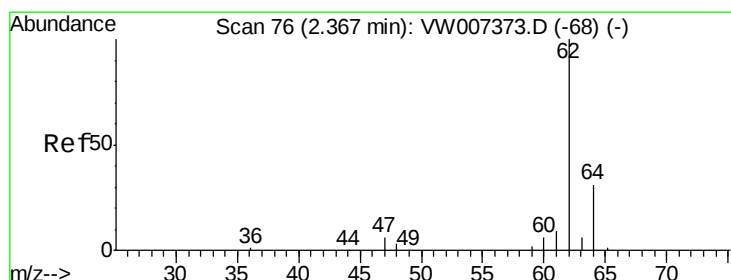
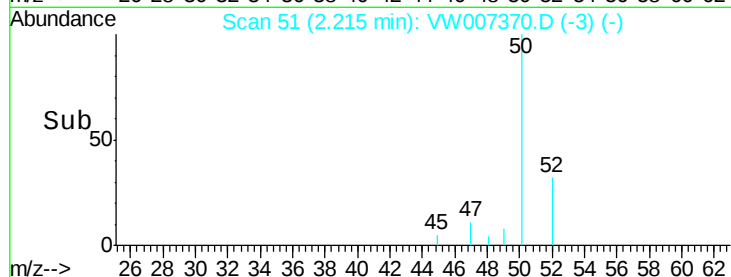
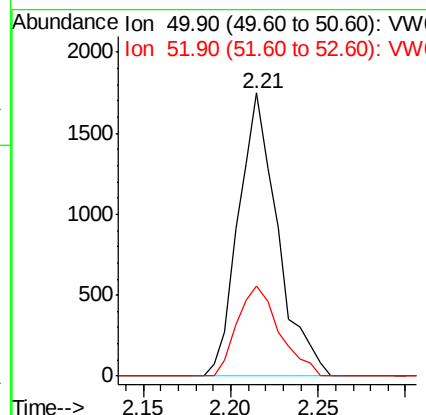
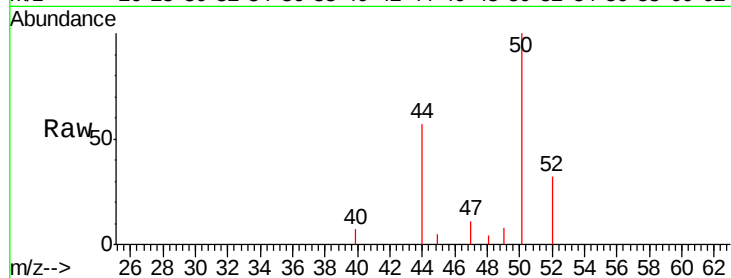
52 31.9 27.4 41.0

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#4

Vinyl Chloride

Concen: 4.072 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007370.D

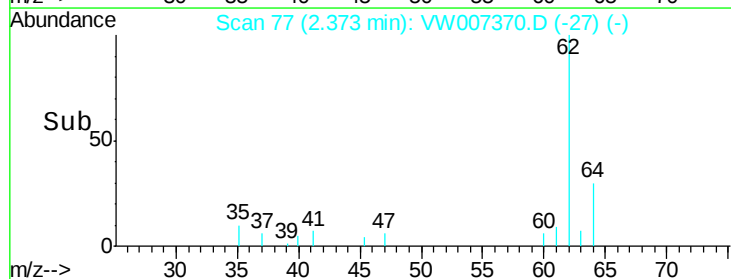
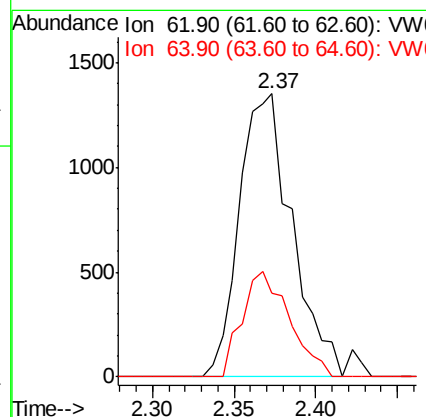
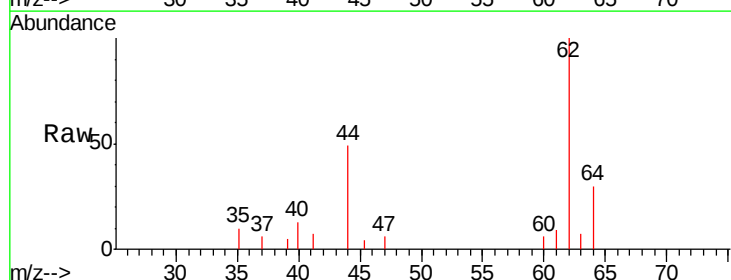
Acq: 10 Dec 2018 22:22

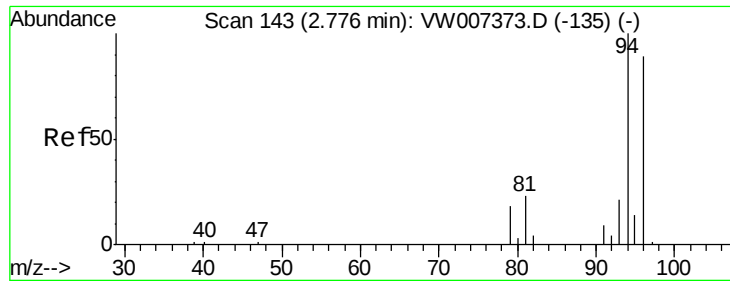
Tgt Ion: 62 Resp: 3026

Ion Ratio Lower Upper

62 100

64 29.6 24.6 37.0





#5

Bromomethane

Concen: 5.378 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 2092

Ion Ratio Lower Upper

94 100

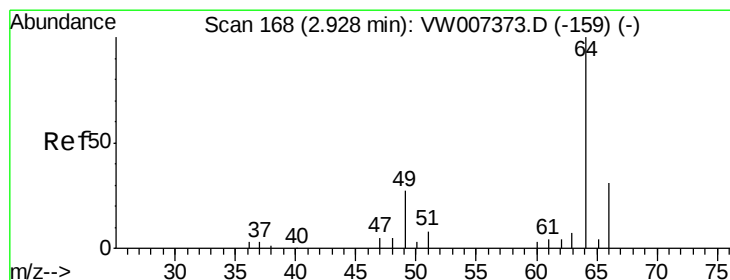
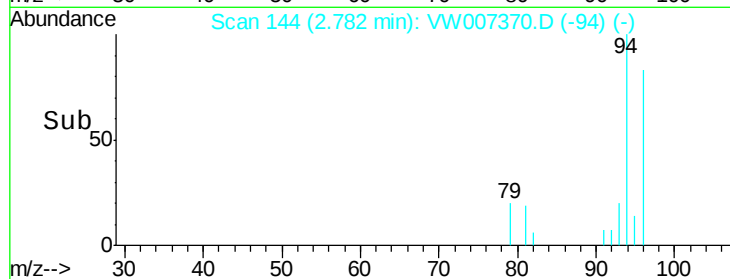
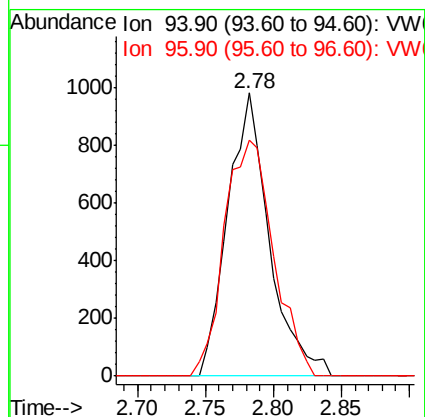
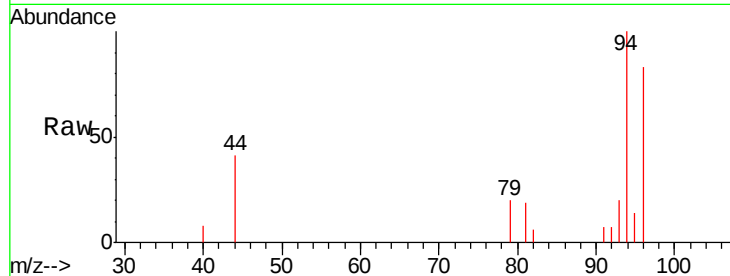
96 83.5 71.0 106.4

Manual Integrations

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#6

Chloroethane

Concen: 3.931 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007370.D

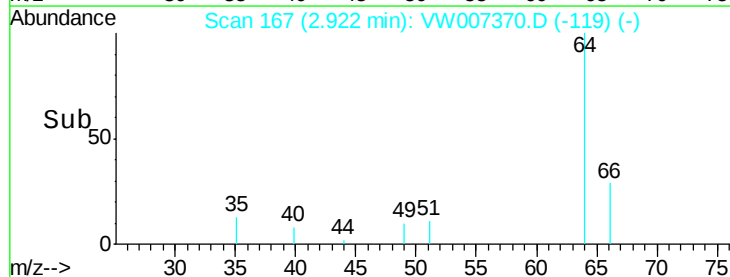
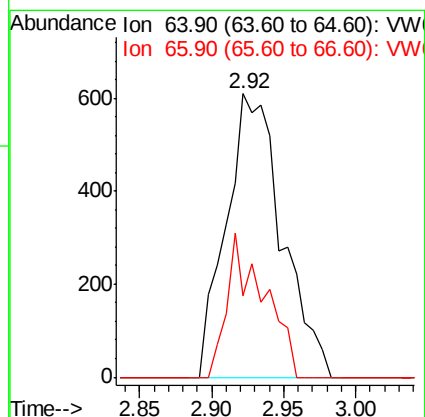
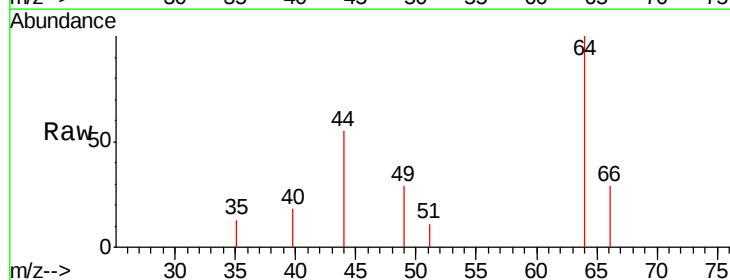
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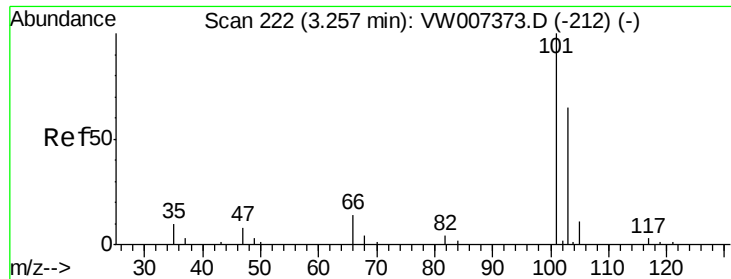
Tgt Ion: 64 Resp: 1647

Ion Ratio Lower Upper

64 100

66 28.7 24.6 37.0





#7

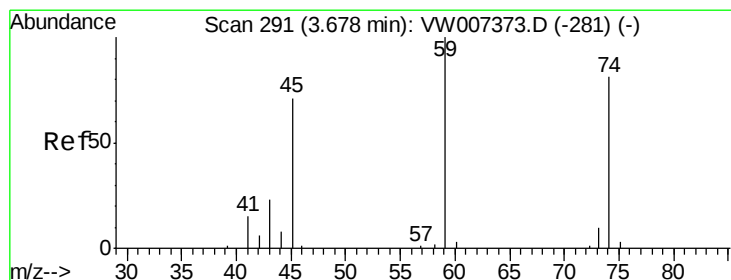
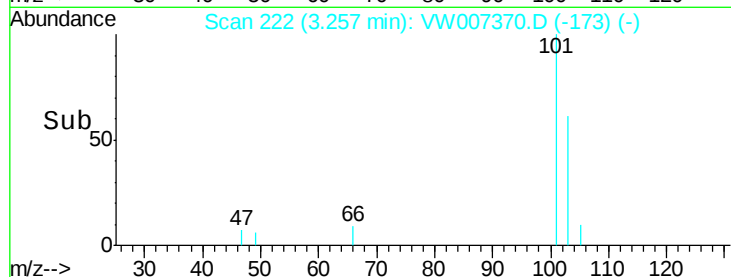
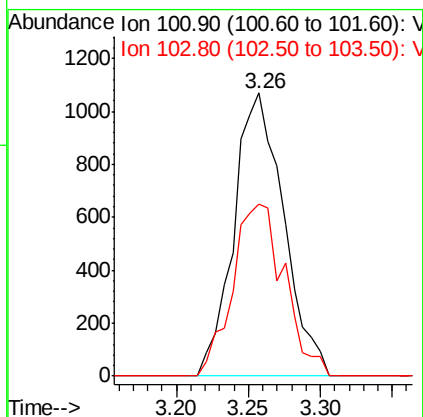
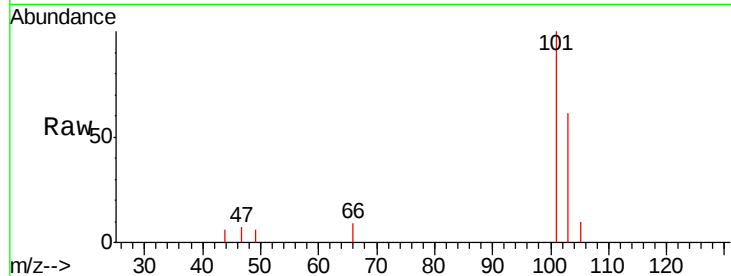
Trichlorofluoromethane
Concen: 1.897 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 101 Resp: 2572
Ion Ratio Lower Upper
101 100
103 60.6 51.7 77.5

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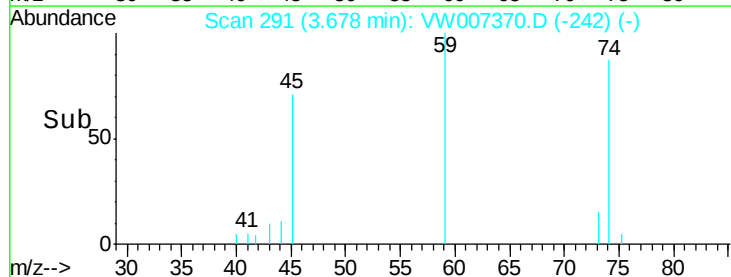
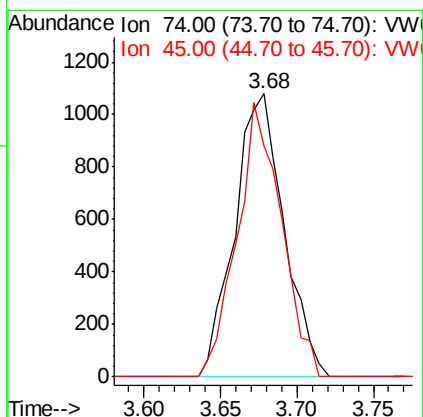
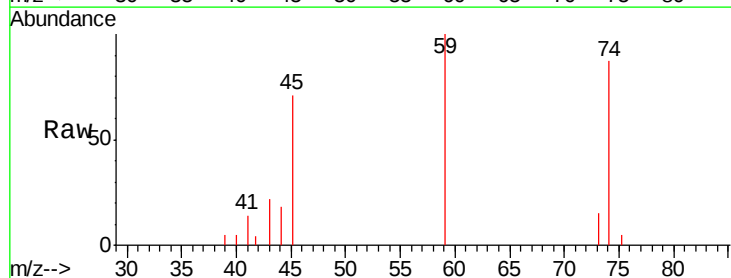
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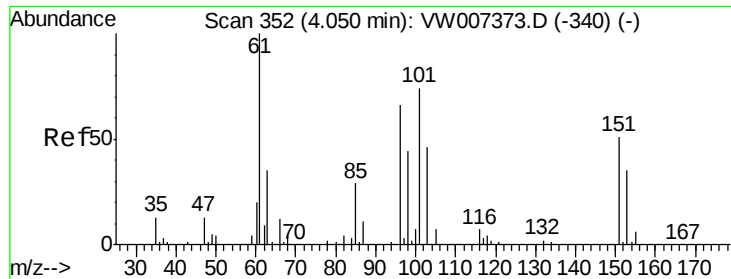


#8

Diethyl Ether
Concen: 5.677 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion: 74 Resp: 2418
Ion Ratio Lower Upper
74 100
45 86.8 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.155 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.02 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

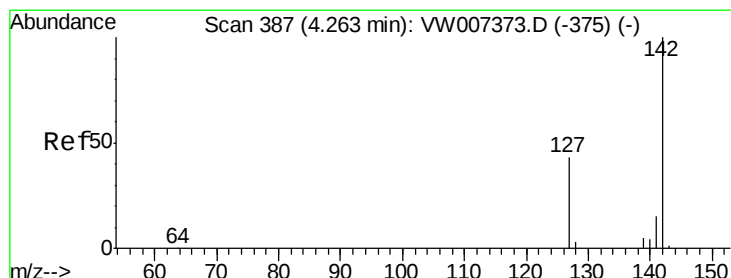
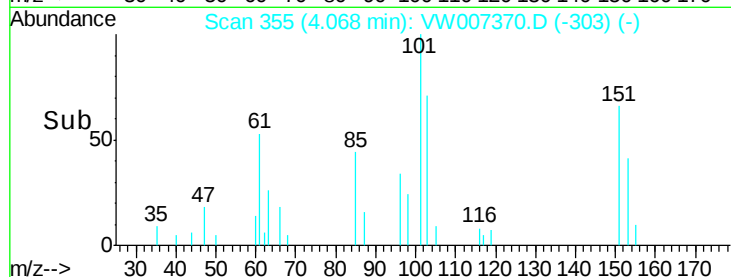
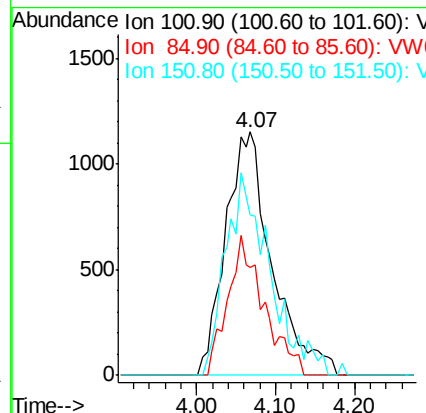
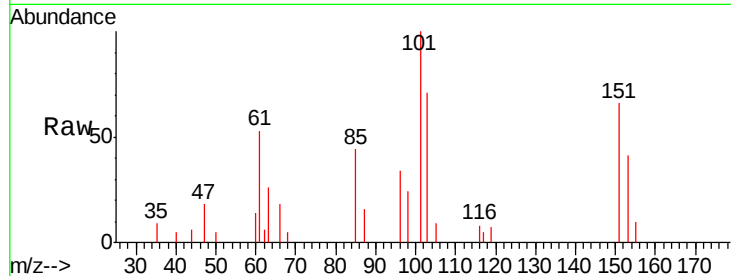
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	4705
Ion Ratio	Lower	Upper	
101	100		
85	44.7	33.9	50.9
151	75.7	63.7	95.5

Manual Integrations
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#10

Methyl Iodide

Concen: 8.293 ug/l

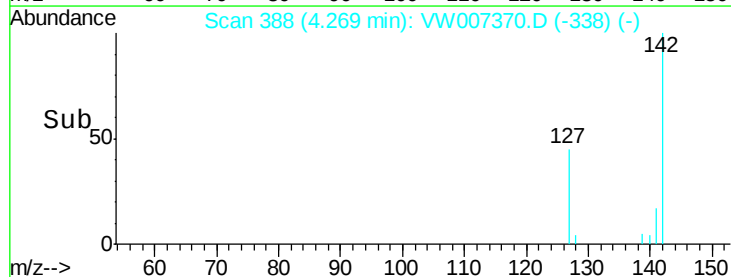
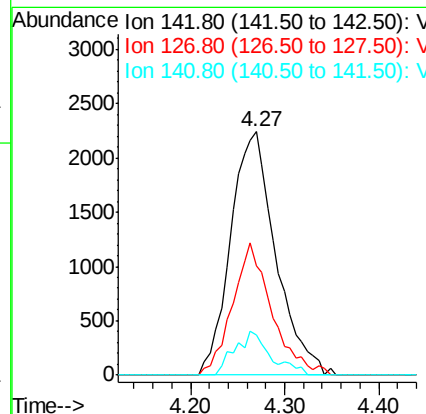
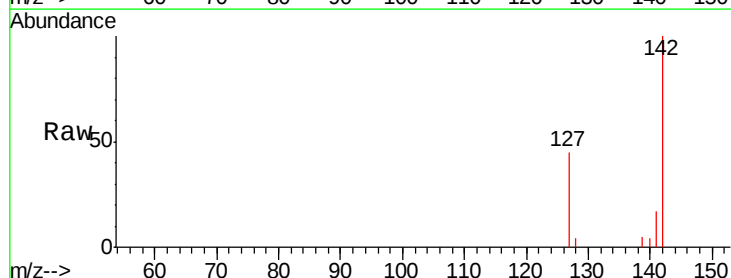
RT: 4.27 min Scan# 388

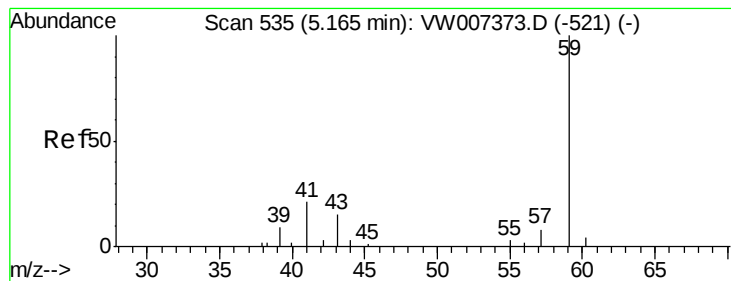
Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Tgt Ion:	142	Resp:	7483
Ion Ratio	Lower	Upper	
142	100		
127	47.4	35.8	53.6
141	14.2	11.1	16.7





#11

Tert butyl alcohol

Concen: 19.288 ug/l m

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 1838

Ion Ratio Lower Upper

59 100

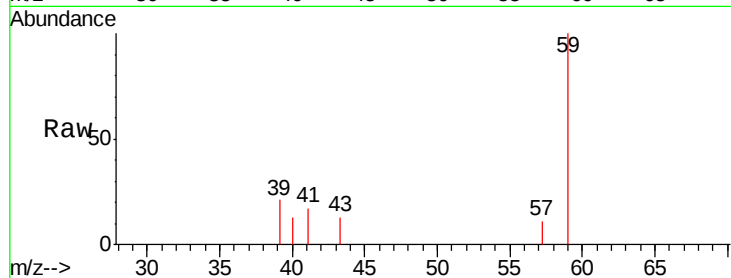
57 0.0 7.6 11.4#

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Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

400

300

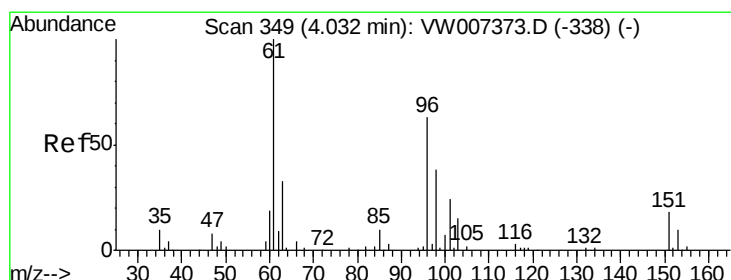
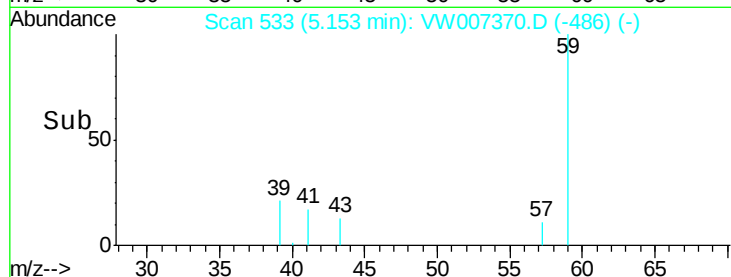
200

100

0

5.00 5.10 5.20 5.30 5.40

Time-->



#12

1,1-Dichloroethene

Concen: 5.262 ug/l

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

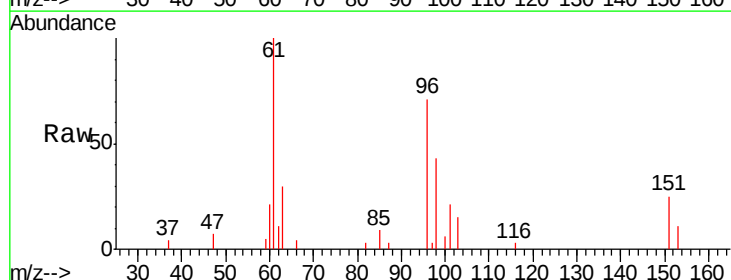
Tgt Ion: 96 Resp: 4529

Ion Ratio Lower Upper

96 100

61 141.7 126.2 189.2

98 61.4 48.3 72.5



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

3000

2500

2000

1500

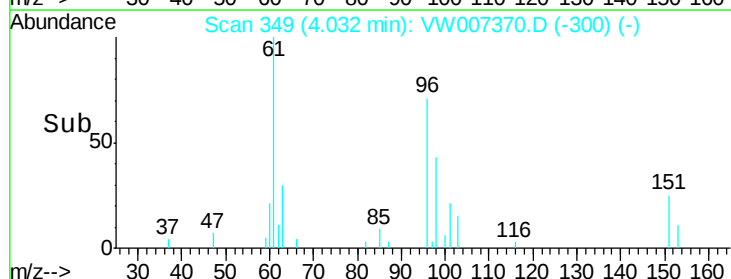
1000

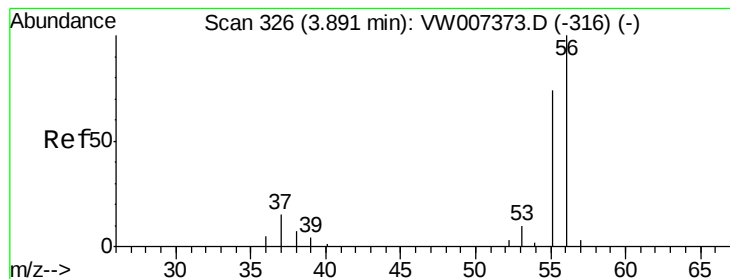
500

0

4.00 4.10

Time-->





#13

Acrolein

Concen: 22.050 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 1232

Ion Ratio Lower Upper

56 100

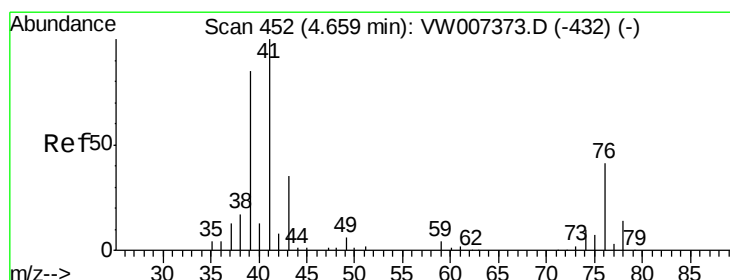
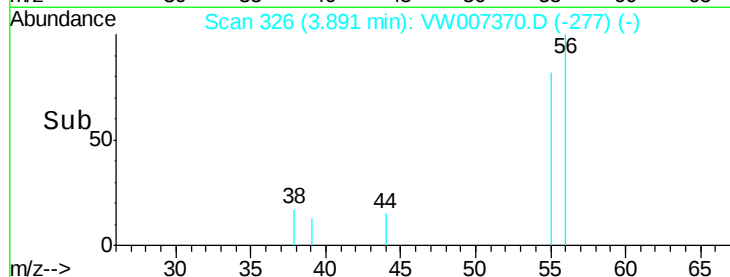
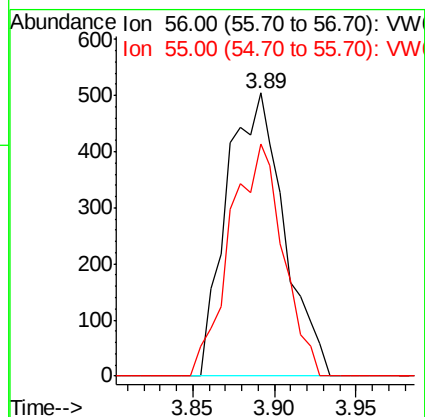
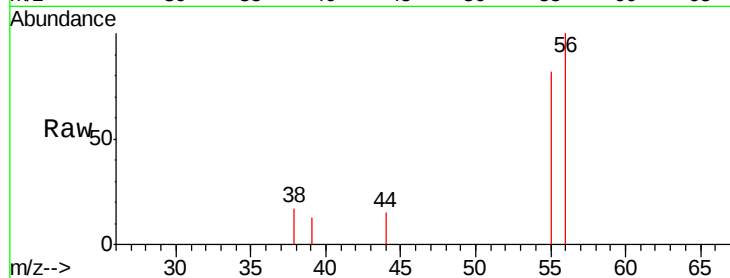
55 75.8 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 4.813 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

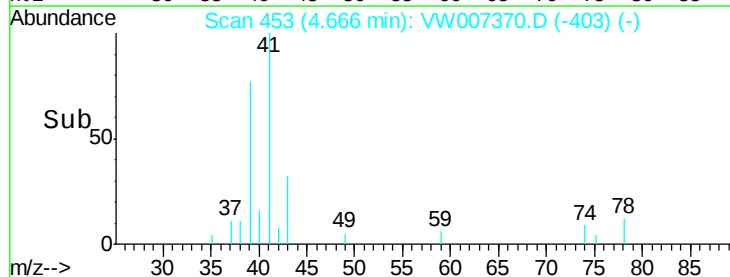
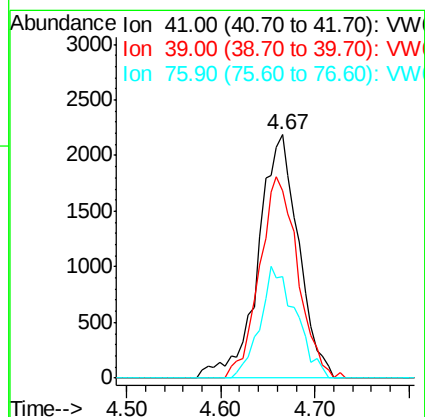
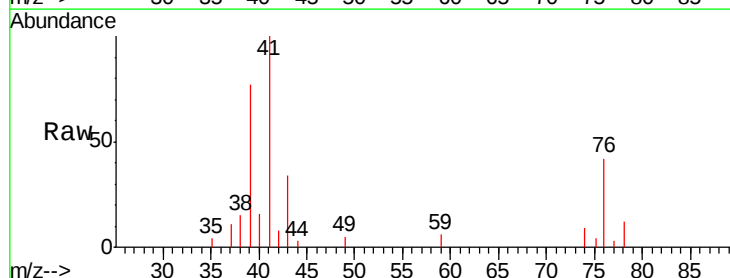
Tgt Ion: 41 Resp: 6530

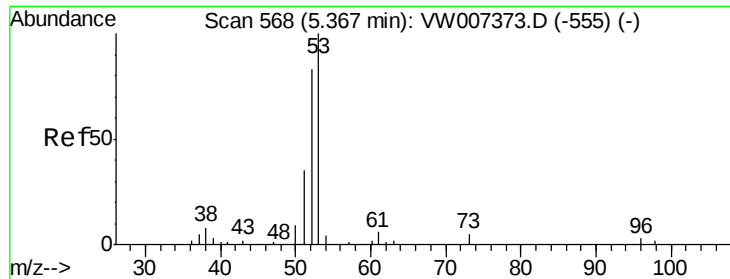
Ion Ratio Lower Upper

41 100

39 78.7 63.4 95.2

76 41.1 32.1 48.1





#15

Acrylonitrile

Concen: 26.400 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

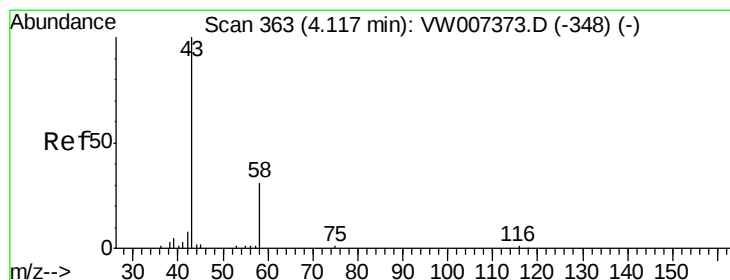
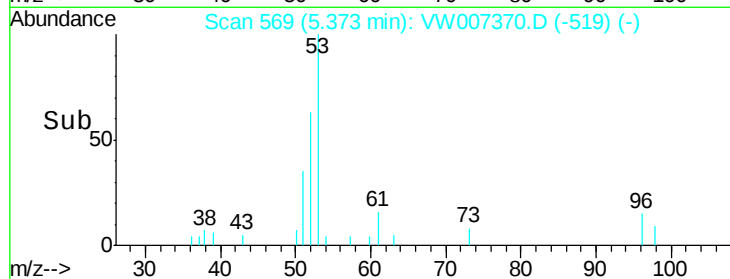
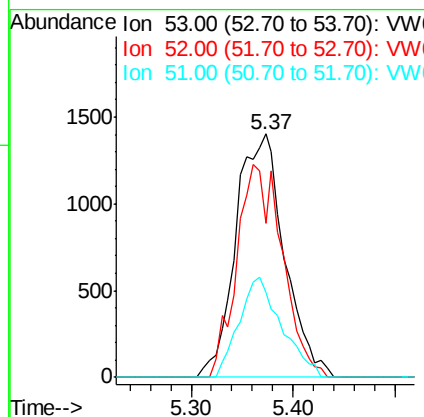
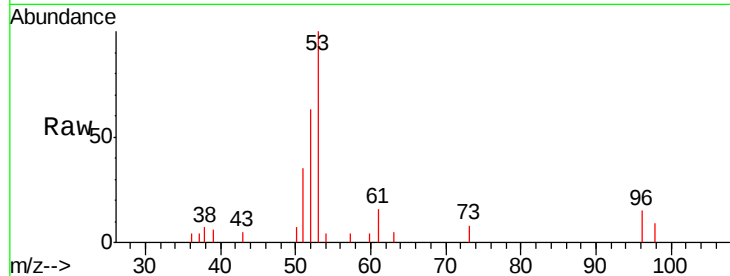
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	4630
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.4	101.2
51	36.0	30.2	45.2

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#16

Acetone

Concen: 25.800 ug/l

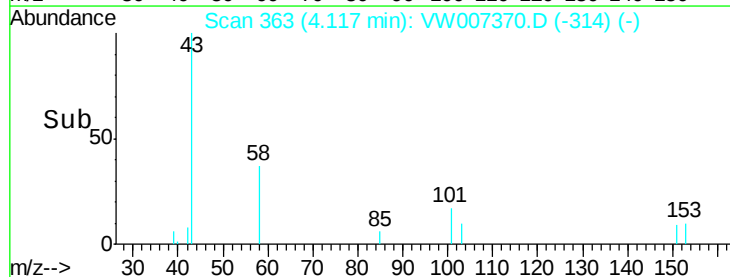
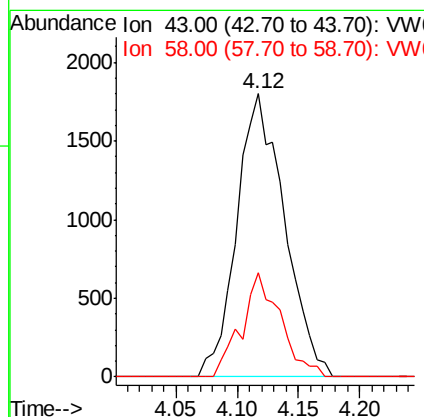
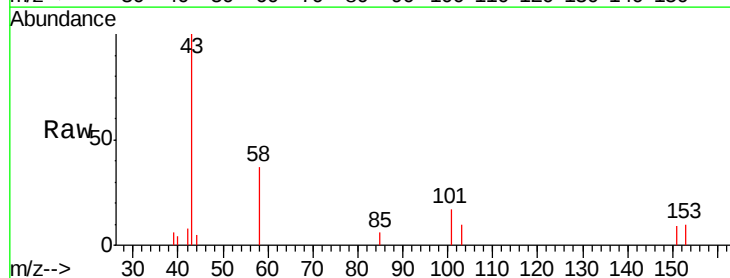
RT: 4.12 min Scan# 363

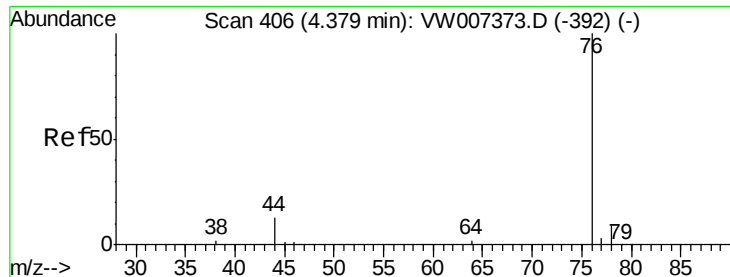
Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Tgt Ion:	43	Resp:	4862
Ion	Ratio	Lower	Upper
43	100		
58	37.0	24.9	37.3





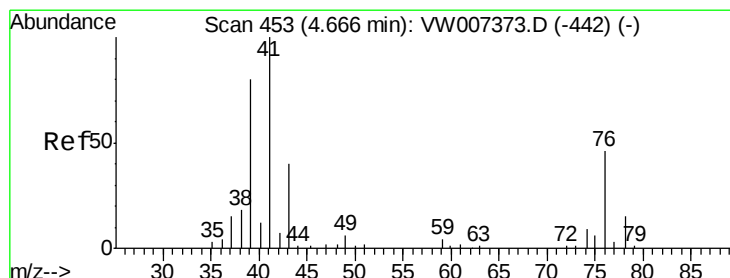
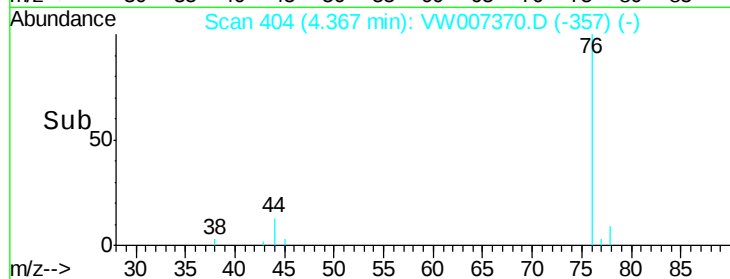
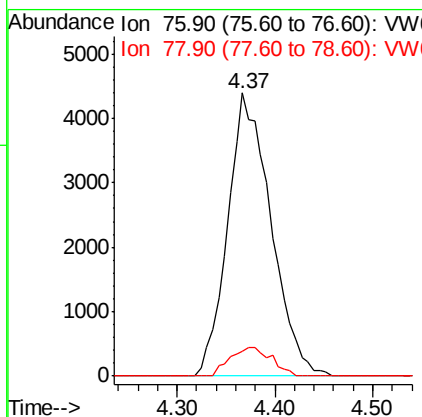
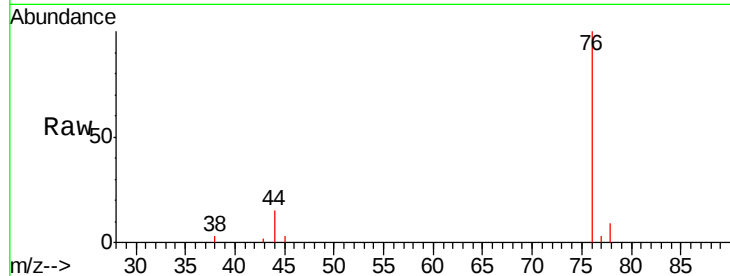
#17
Carbon Disulfide
Concen: 4.853 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 13481
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

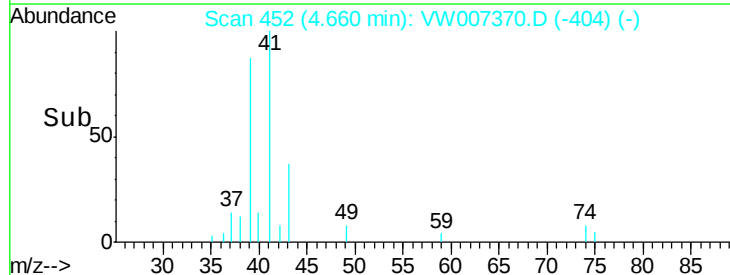
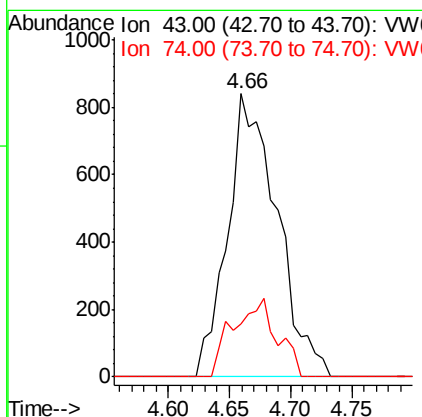
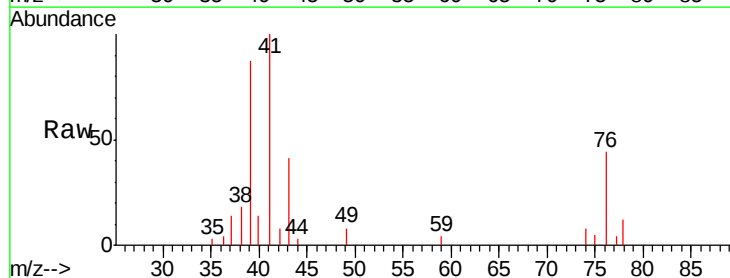
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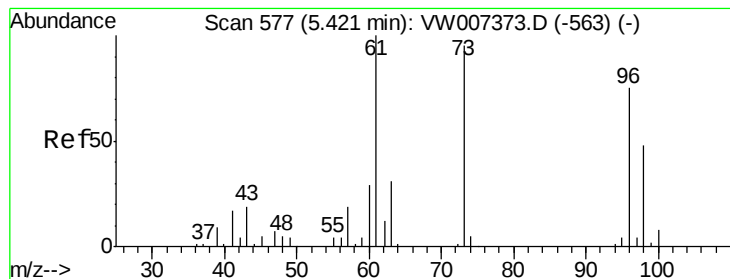
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#18
Methyl Acetate
Concen: 5.201 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion: 43 Resp: 2352
Ion Ratio Lower Upper
43 100
74 24.8 21.1 31.7





#19

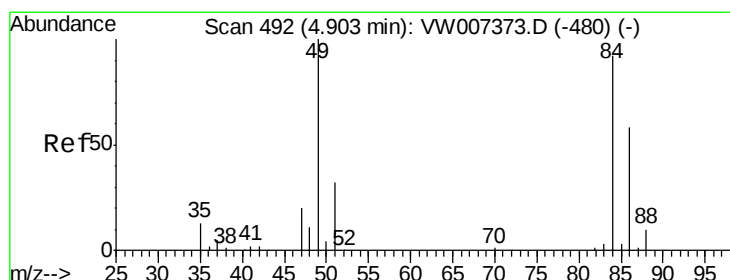
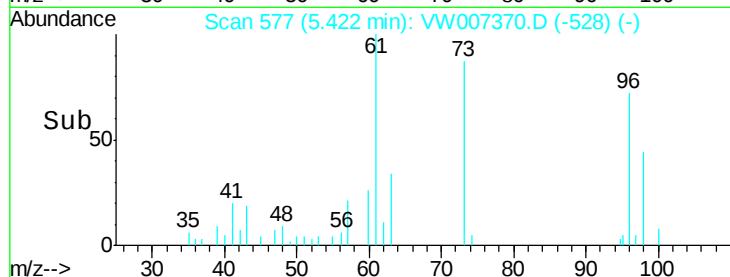
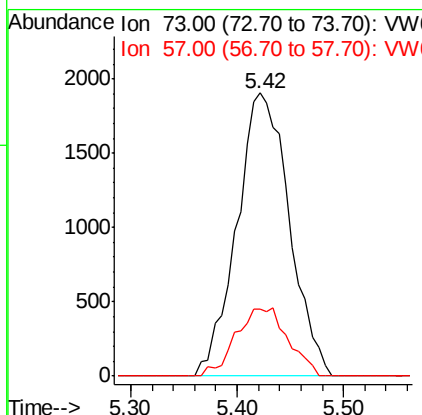
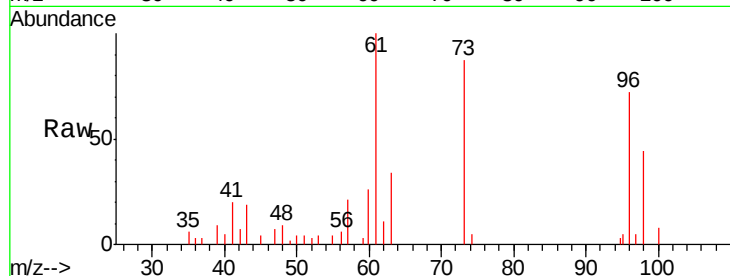
Methyl tert-butyl Ether
Concen: 3.471 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 6564
Ion Ratio Lower Upper
73 100
57 23.5 16.4 24.6

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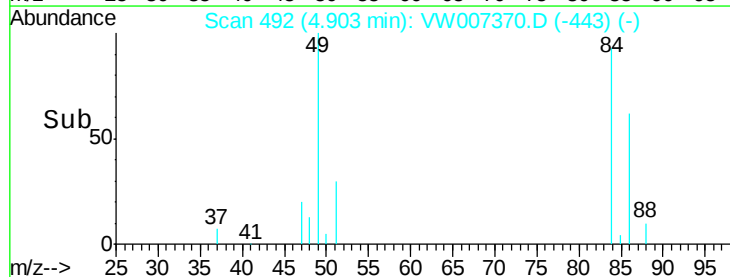
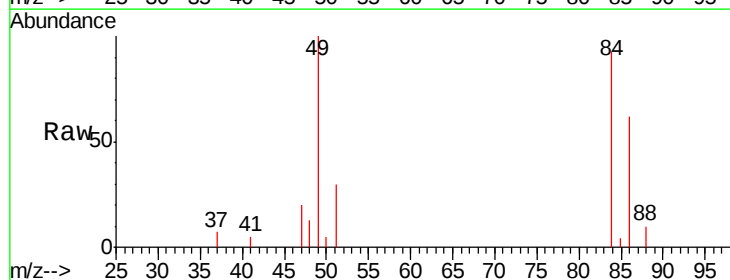
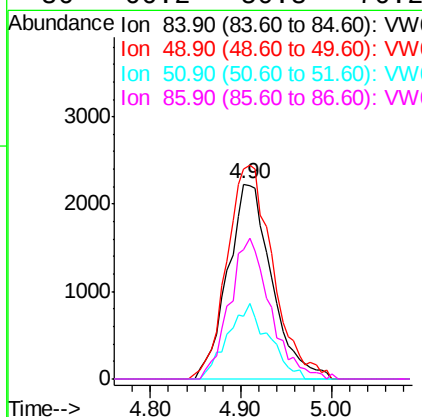
MMDadoda
12/11/2018 4:55:22 PM

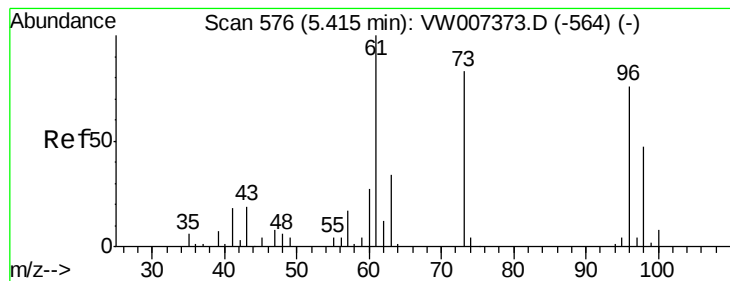


#20

Methylene Chloride
Concen: 6.452 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion: 84 Resp: 7509
Ion Ratio Lower Upper
84 100
49 107.5 87.1 130.7
51 32.4 28.2 42.2
86 66.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 5.183 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

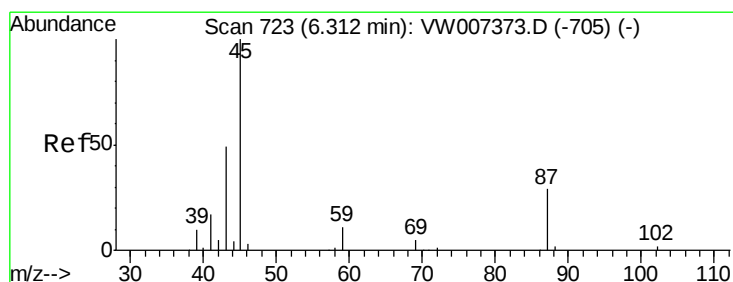
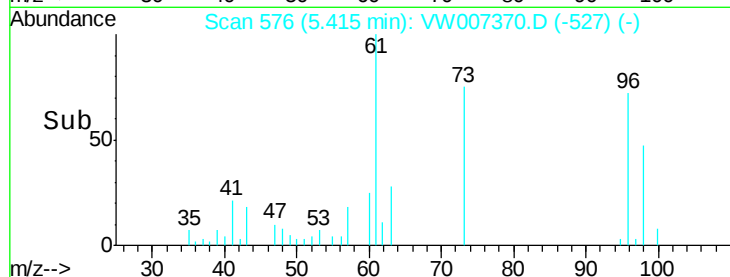
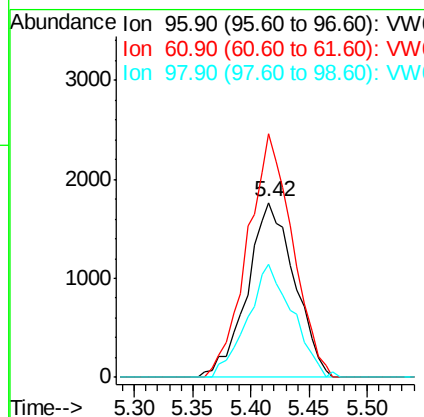
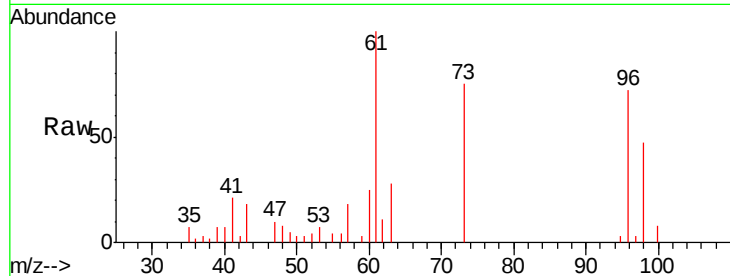
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	4980
Ion	Ratio	Lower	Upper
96	100		
61	139.3	105.0	157.6
98	64.8	49.7	74.5

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#22

Diisopropyl ether

Concen: 5.083 ug/l

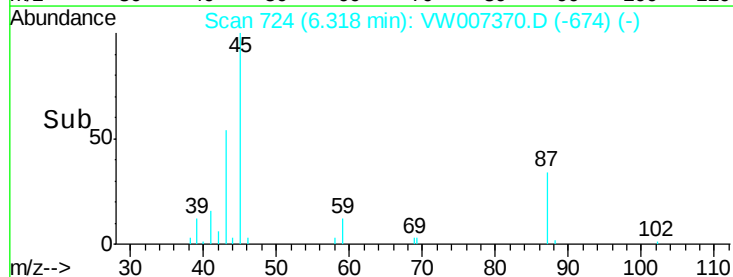
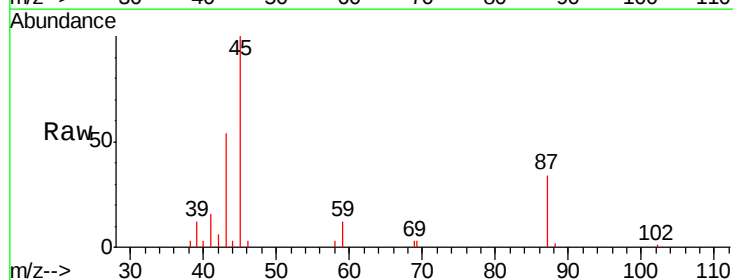
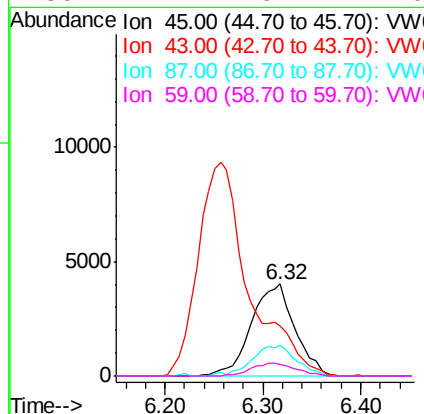
RT: 6.32 min Scan# 724

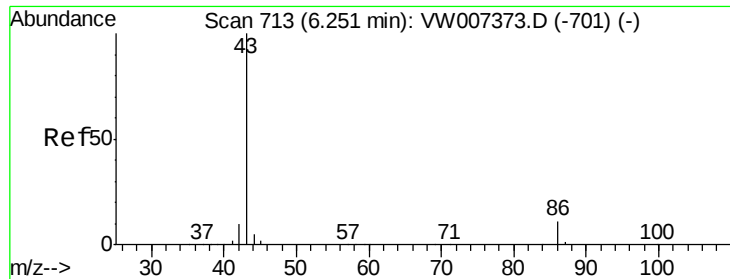
Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Tgt Ion:	45	Resp:	12476
Ion	Ratio	Lower	Upper
45	100		
43	54.0	41.6	62.4
87	33.9	24.3	36.5
59	12.2	9.4	14.0





#23

Vinyl Acetate

Concen: 24.952 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 33567

Ion Ratio Lower Upper

43 100

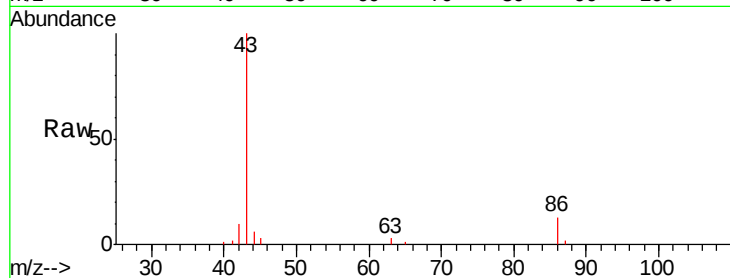
86 13.3 8.6 12.8#

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

10000

8000

6000

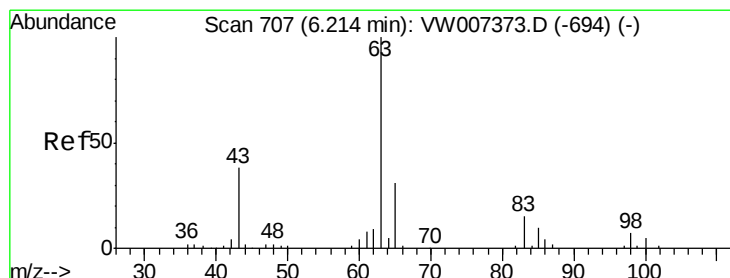
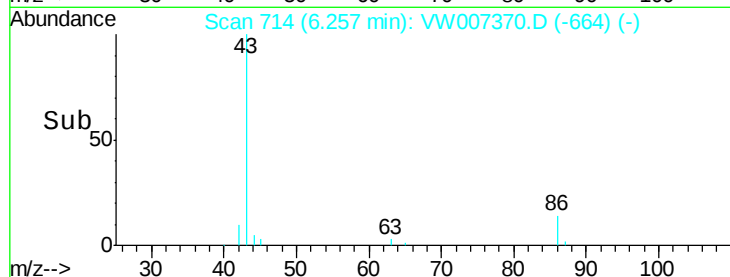
4000

2000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 5.388 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

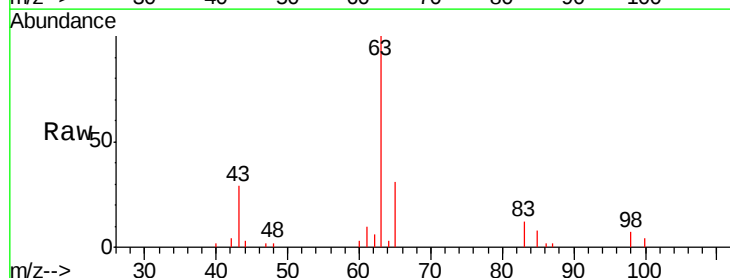
Tgt Ion: 63 Resp: 8596

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 3.6 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

4000

3000

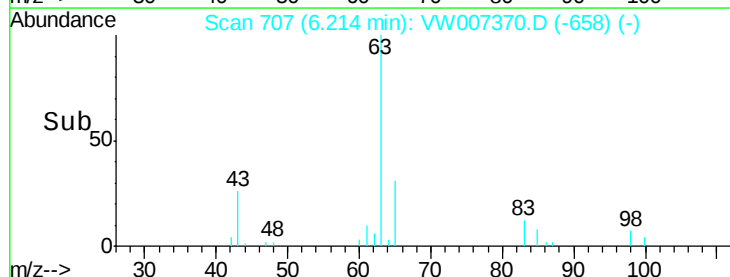
2000

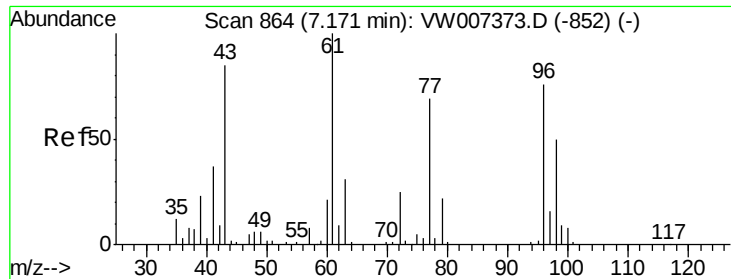
1000

0

Time-->

6.10 6.15 6.20 6.25 6.30





#25

2-Butanone

Concen: 25.224 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 5706

Ion Ratio Lower Upper

43 100

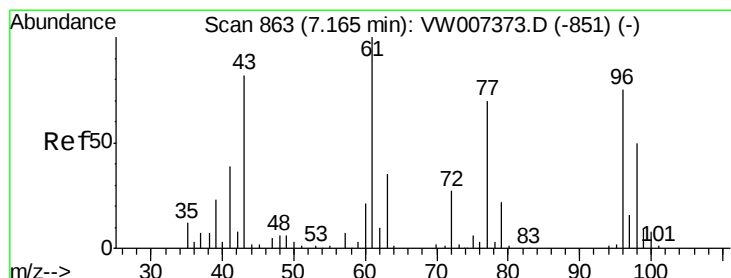
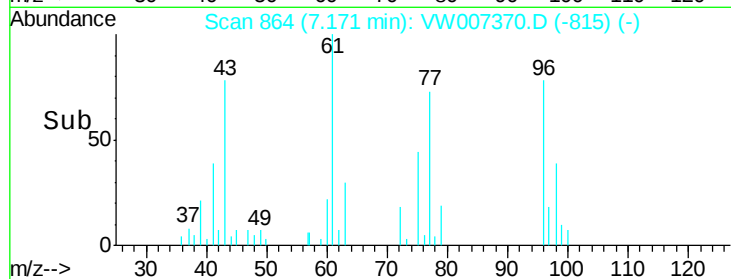
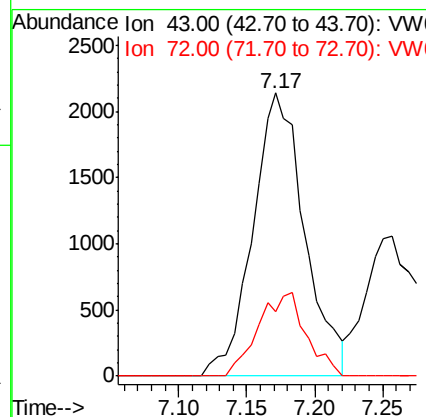
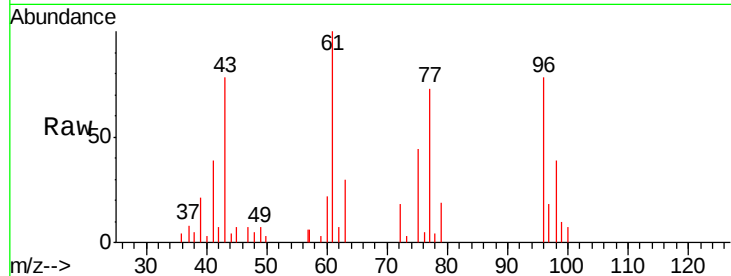
72 22.7 23.4 35.2#

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 4.054 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007370.D

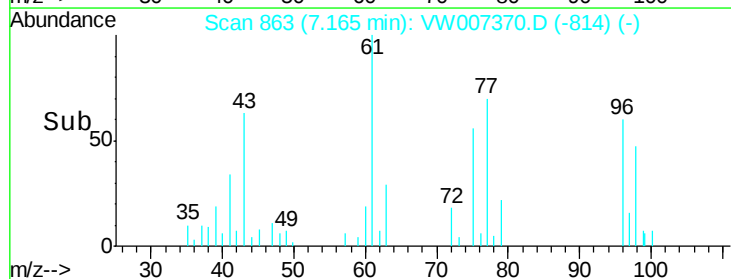
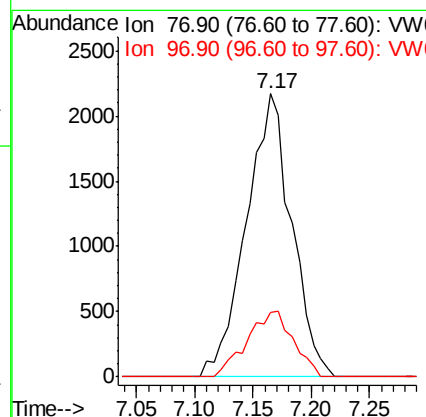
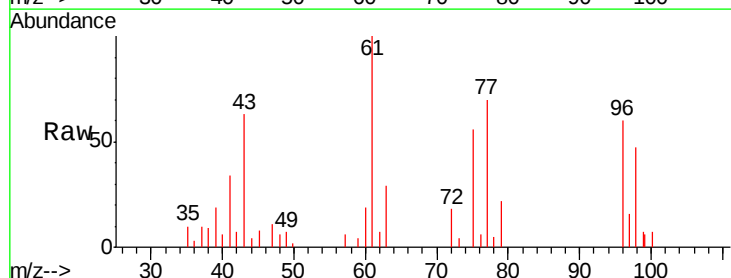
Acq: 10 Dec 2018 22:22

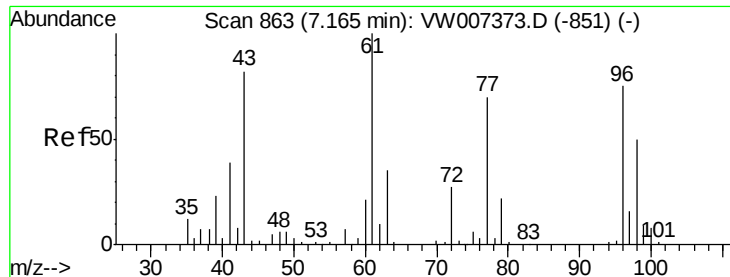
Tgt Ion: 77 Resp: 5872

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 5.186 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

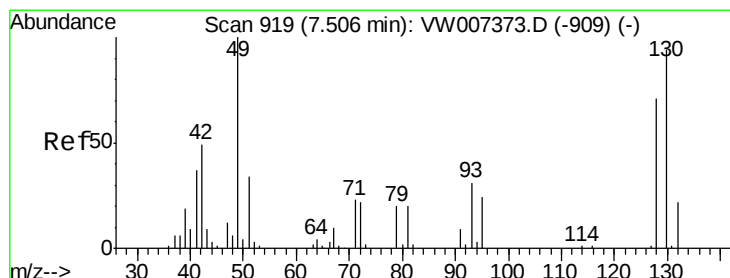
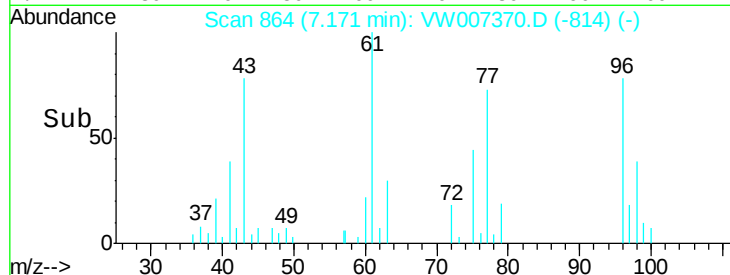
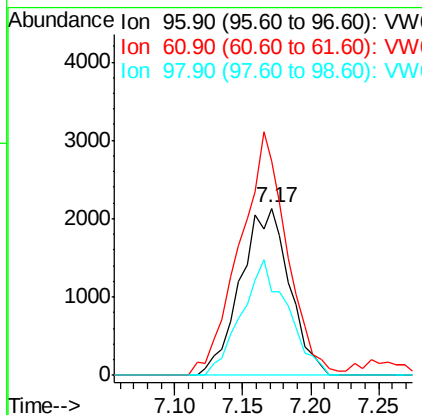
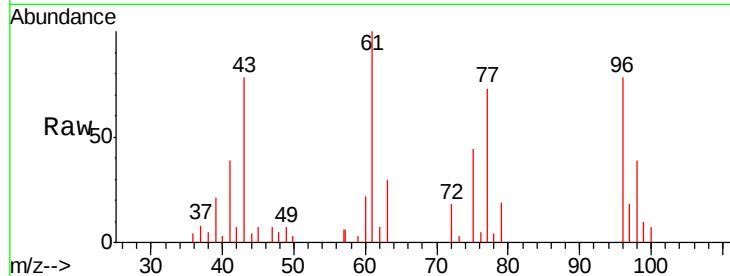
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	5371
Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	268.4
98	64.6	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 5.474 ug/l

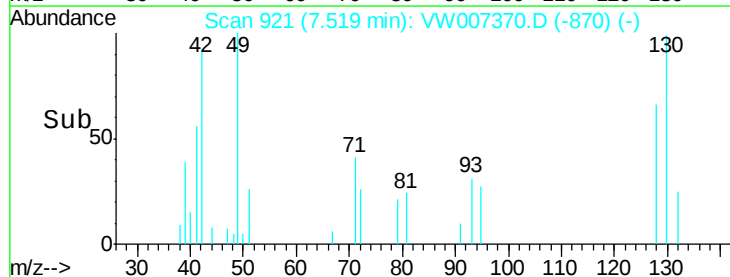
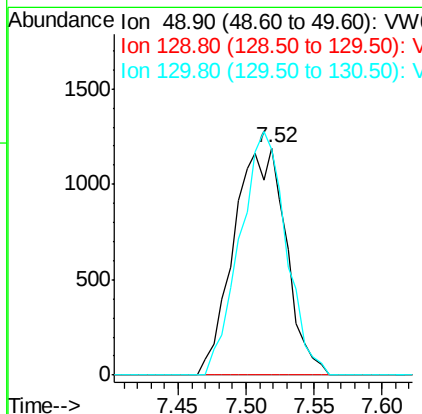
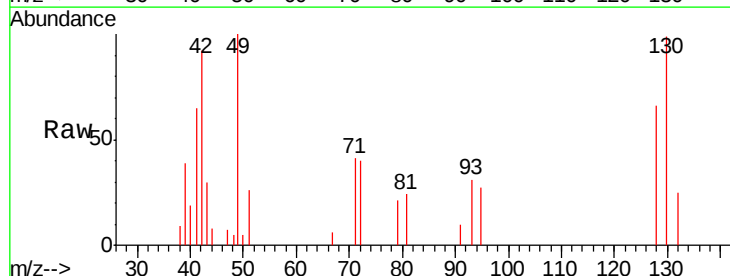
RT: 7.52 min Scan# 921

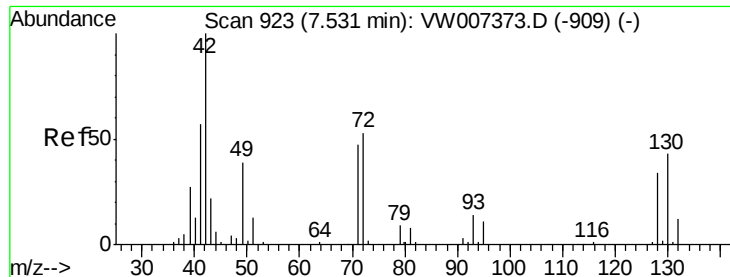
Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Tgt Ion:	49	Resp:	3196
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.6
130	95.1	75.9	113.9





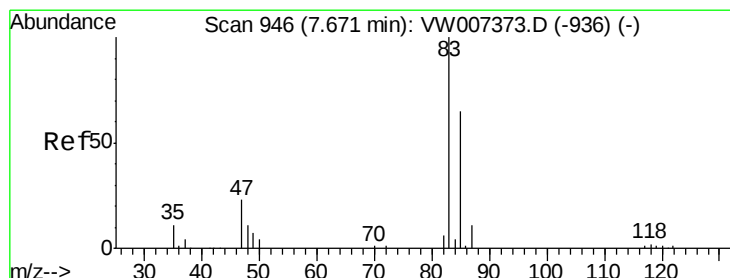
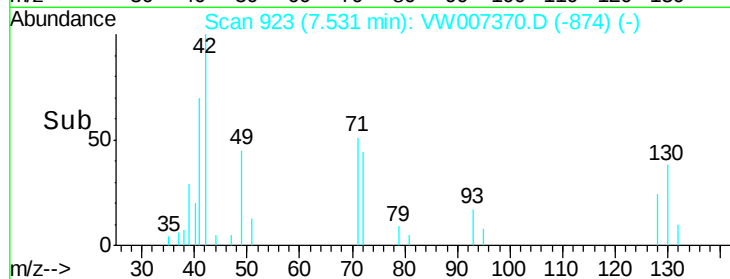
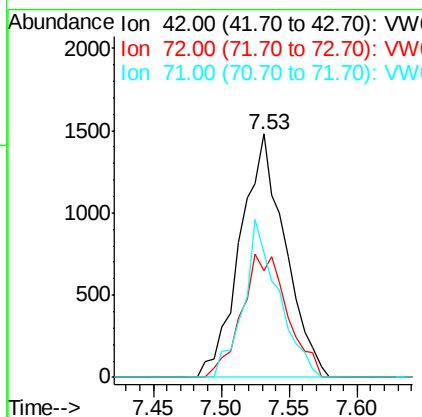
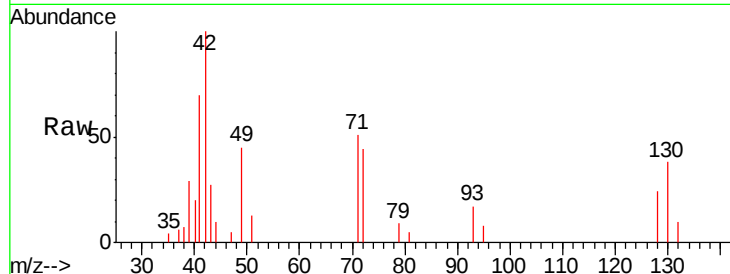
#29
Tetrahydrofuran
Concen: 24.088 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:	42	Resp:	3405
Ion	Ratio	Lower	Upper
42	100		
72	51.5	38.2	57.4
71	50.4	35.5	53.3

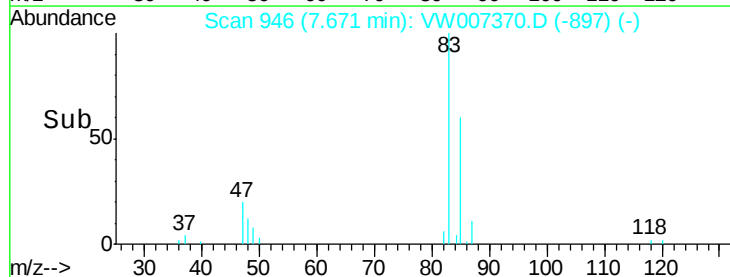
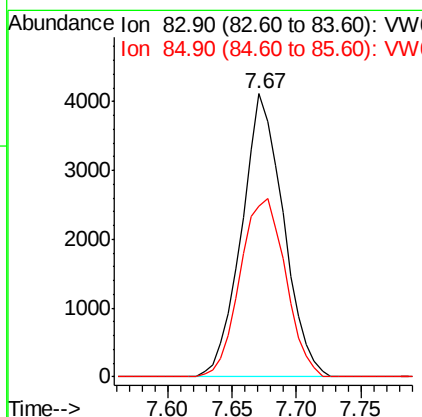
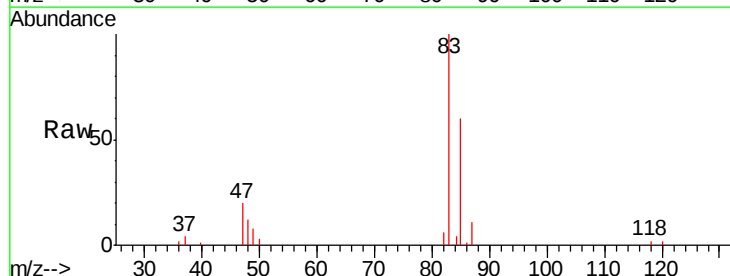
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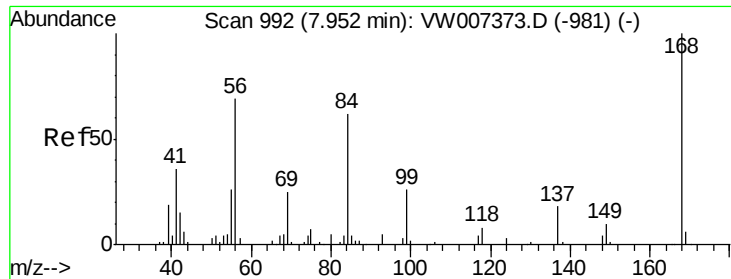
MMDadoda
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#30
Chloroform
Concen: 5.518 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion:	83	Resp:	9238
Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.8	77.8





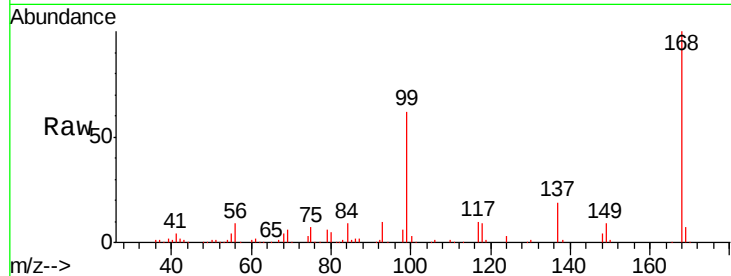
#31
Cyclohexane
Concen: 5.549 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	60.6	28.9	43.3#
84	91.7	71.8	107.6

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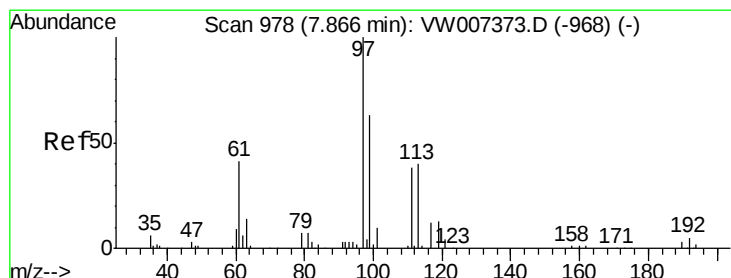
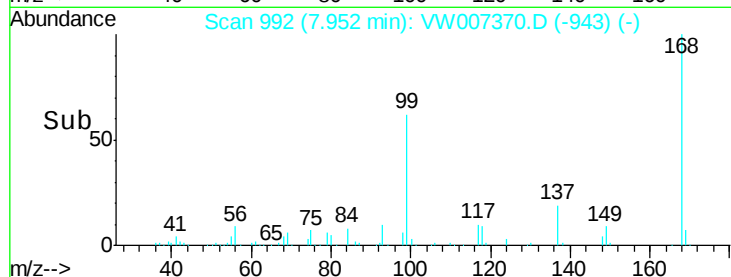
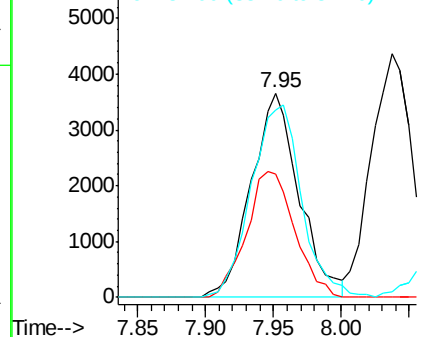


Abundance

Ion 56.00 (55.70 to 56.70): VW

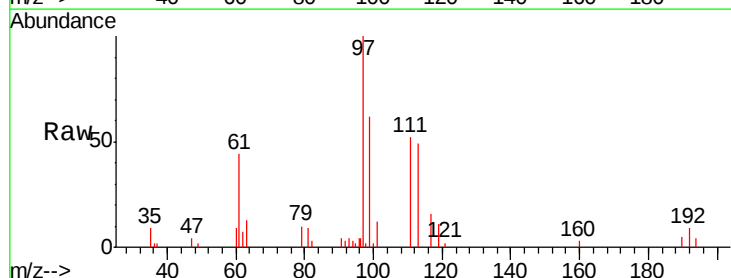
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 5.361 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	43.7	33.2	49.8

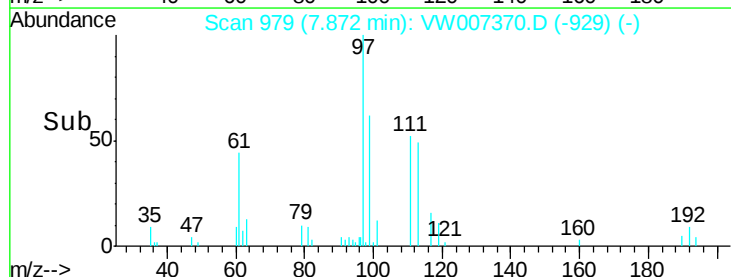
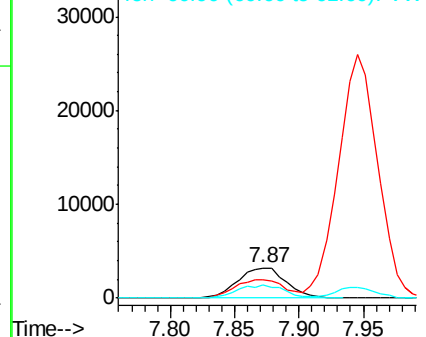


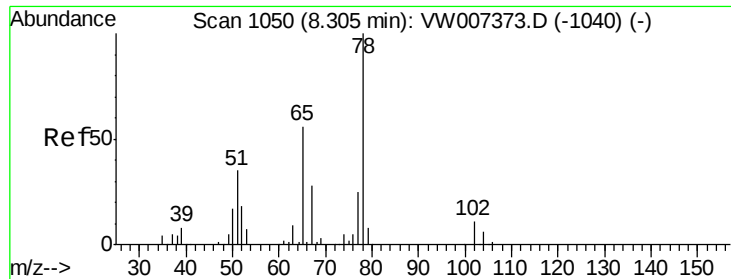
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





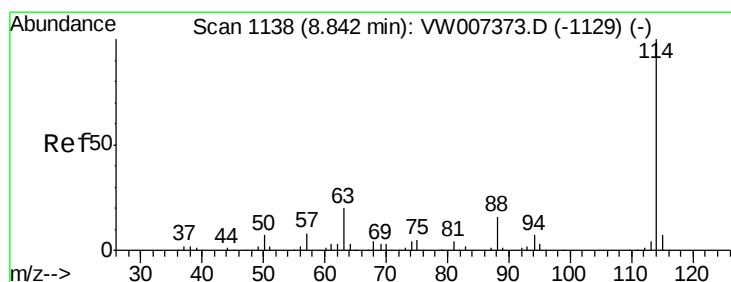
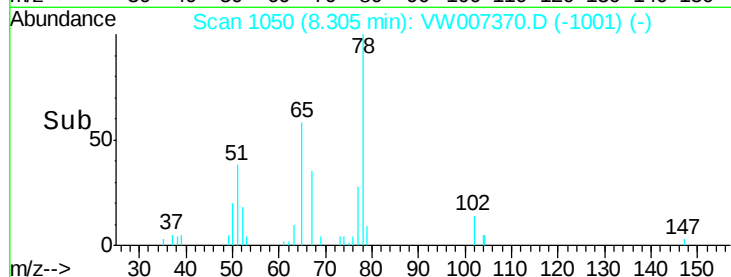
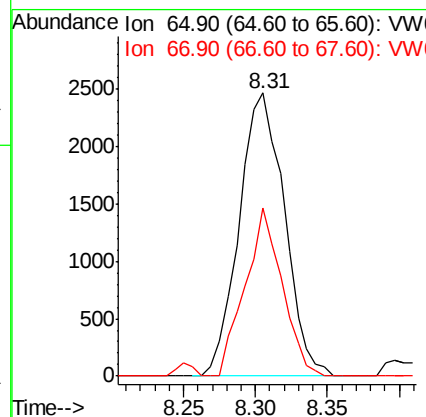
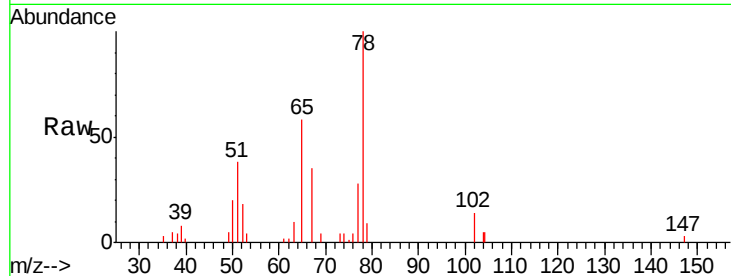
#33
 1,2-Dichloroethane-d4
 Concen: 6.208 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 5368
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 101.6

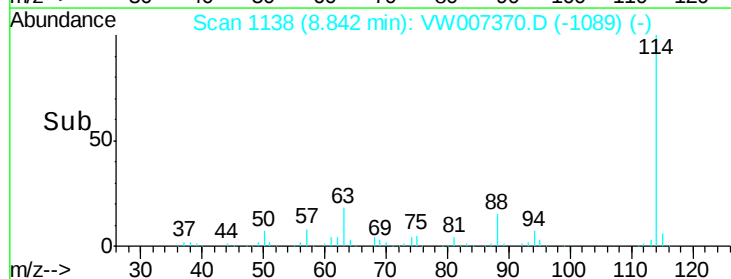
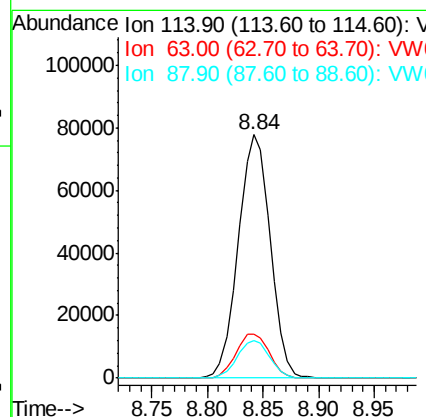
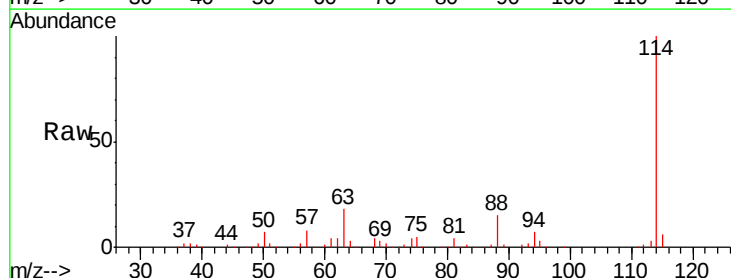
Manual Integrations
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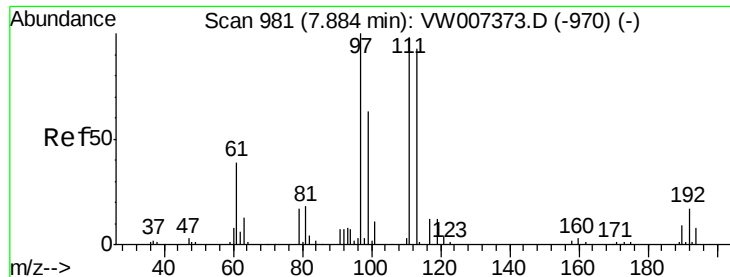
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 12/11/2018 4:55:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Tgt Ion: 114 Resp: 154613
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.6
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 5.390 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

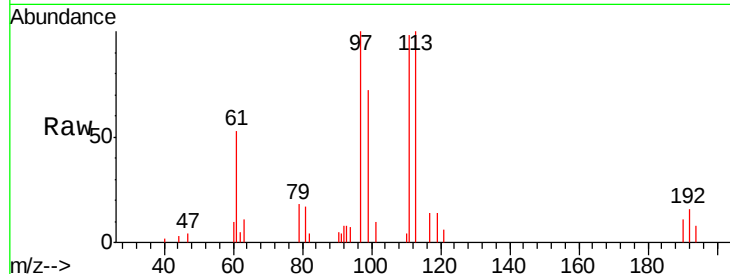
ClientSampleId :

VSTDIC005

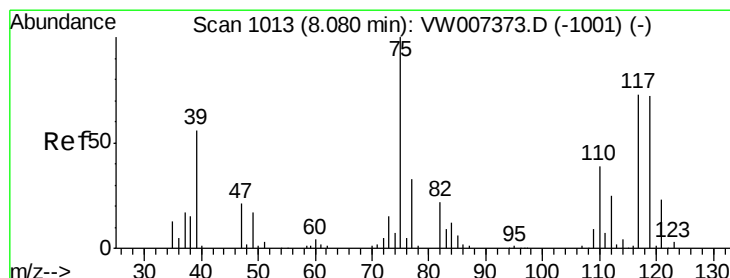
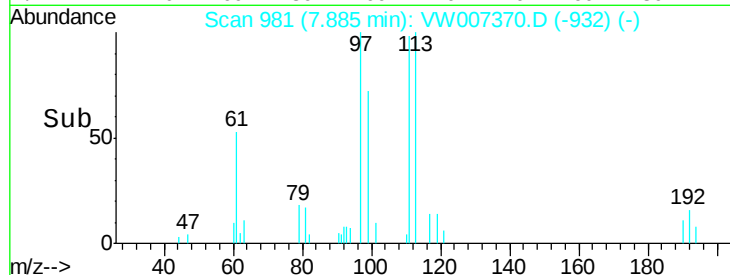
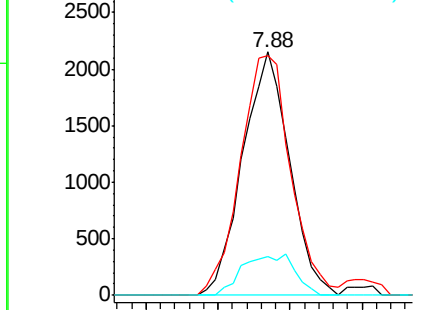
Tgt Ion:	113	Resp:	4850
Ion	Ratio	Lower	Upper
113	100		
111	105.9	81.1	121.7
192	18.6	14.6	21.8

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.850 ug/l

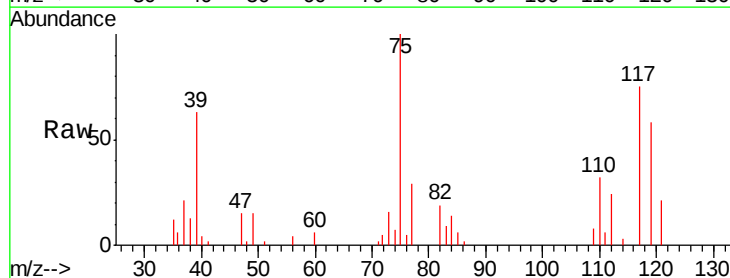
RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

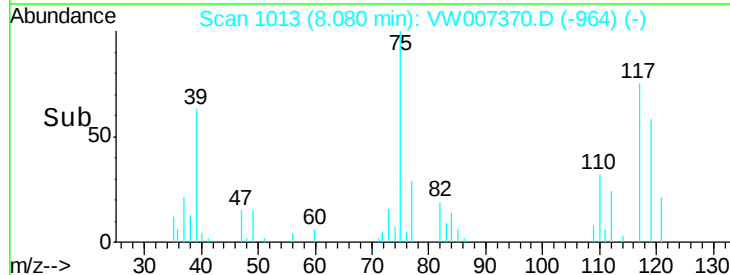
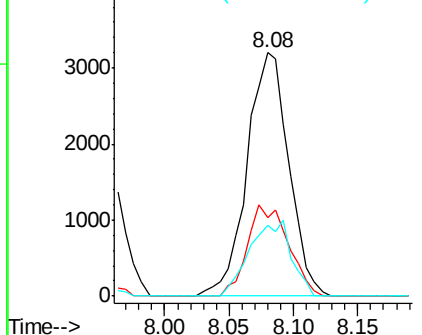
Lab File: VW007370.D

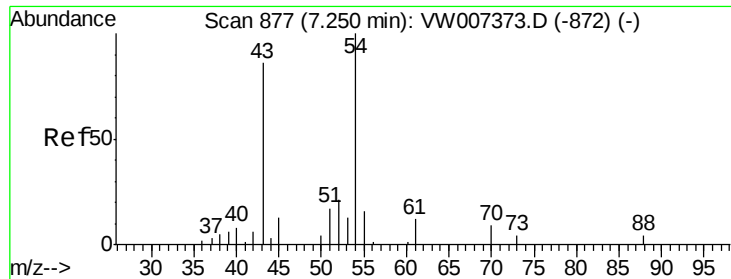
Acq: 10 Dec 2018 22:22

Tgt Ion:	75	Resp:	7181
Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.5	55.5
77	30.9	25.6	38.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





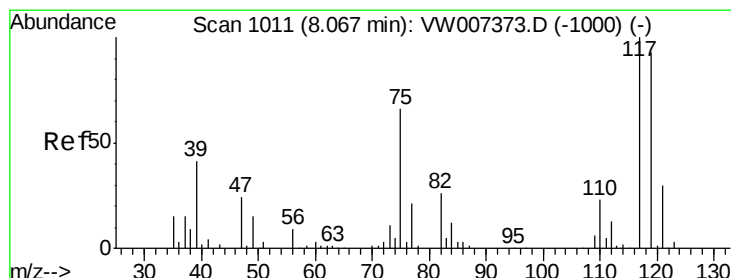
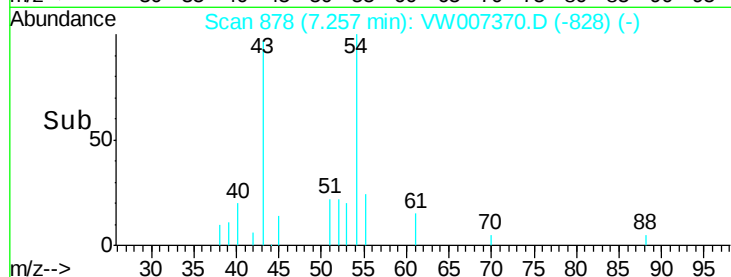
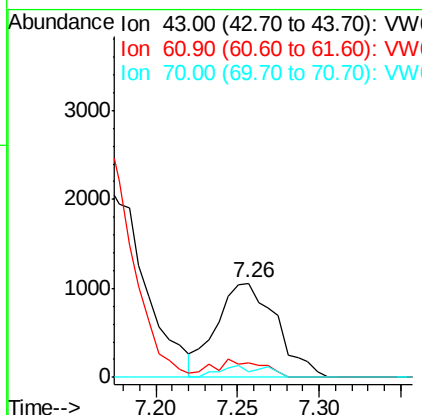
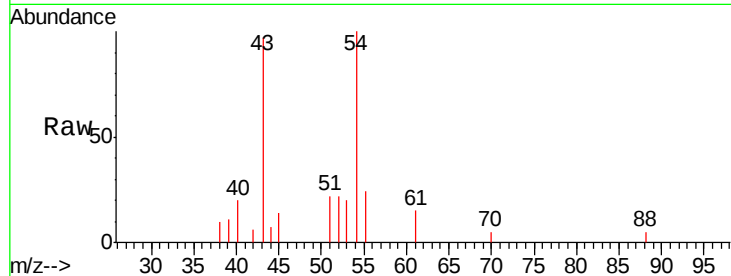
#37
Ethyl Acetate
Concen: 5.059 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.1	18.1
70	5.7	10.0	15.0

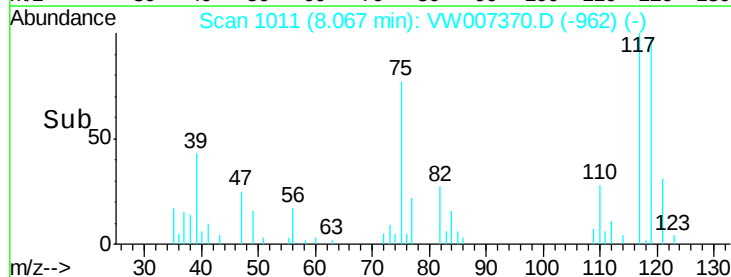
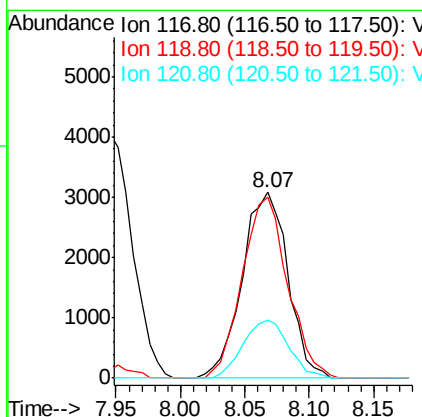
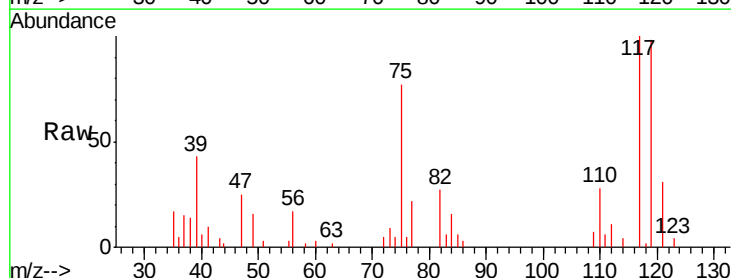
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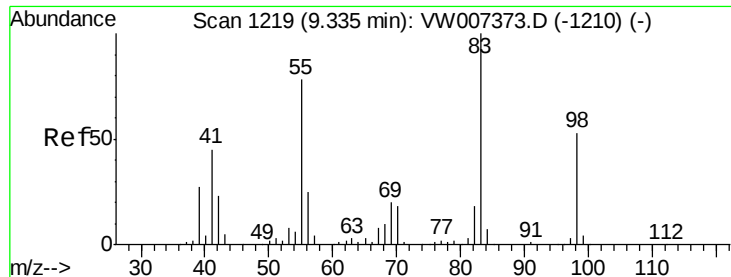
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#38
Carbon Tetrachloride
Concen: 4.917 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	74.3	111.5
121	31.2	24.3	36.5





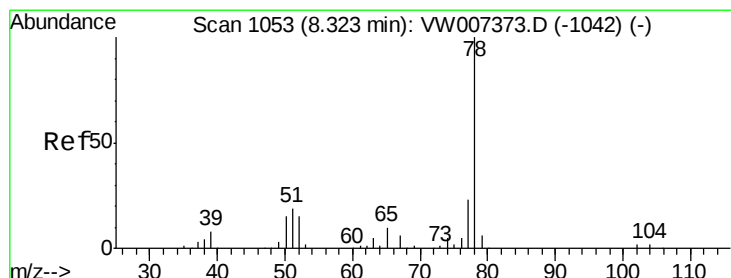
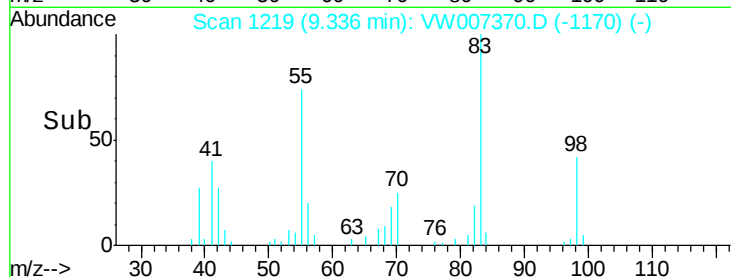
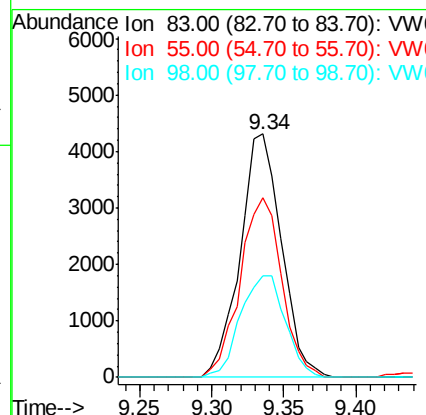
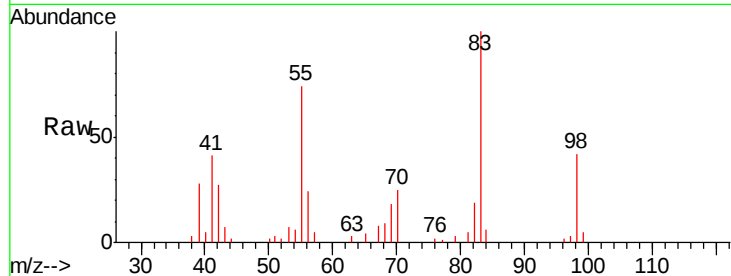
#39
Methylcyclohexane
Concen: 4.361 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.6	62.8	94.2
98	41.5	42.2	63.2#

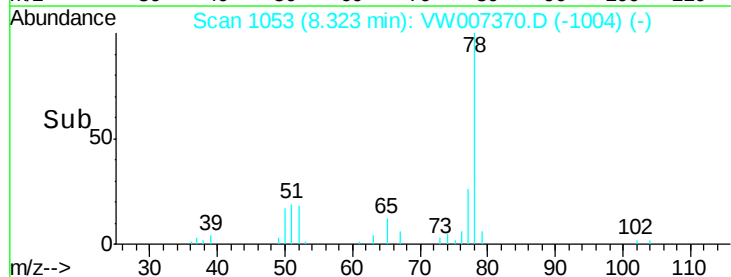
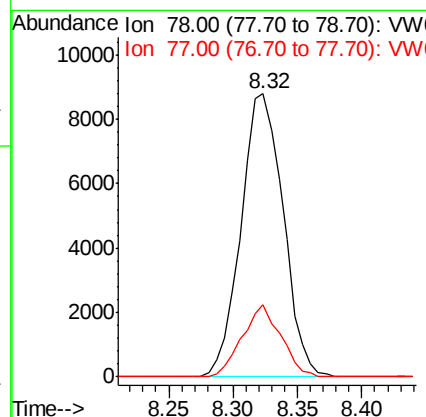
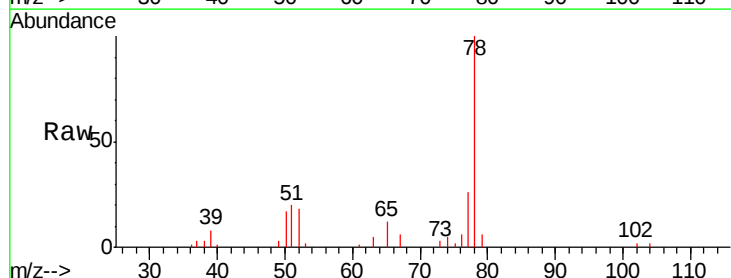
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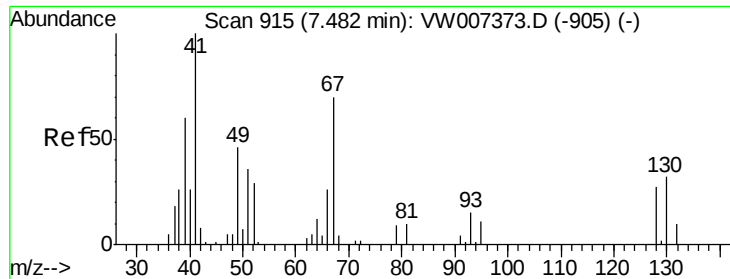
MMDadoda
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#40
Benzene
Concen: 4.878 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	18.8	28.2





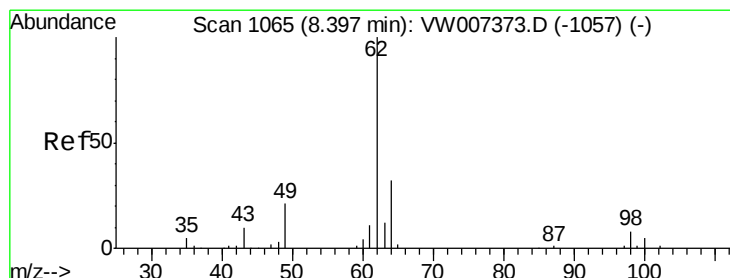
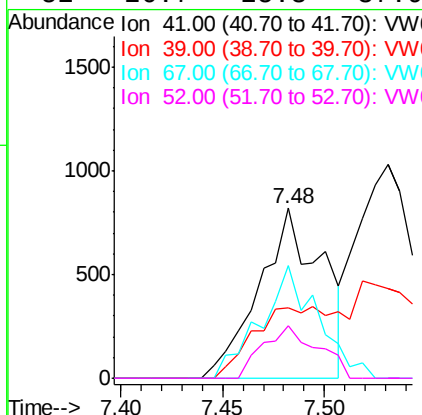
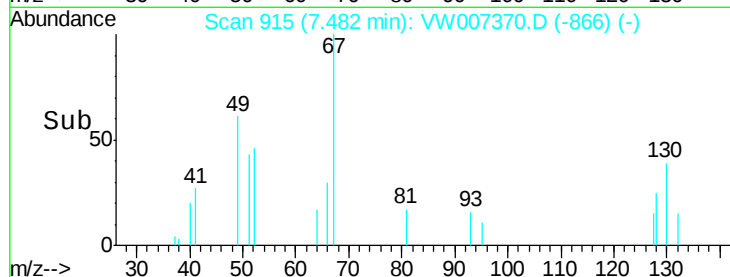
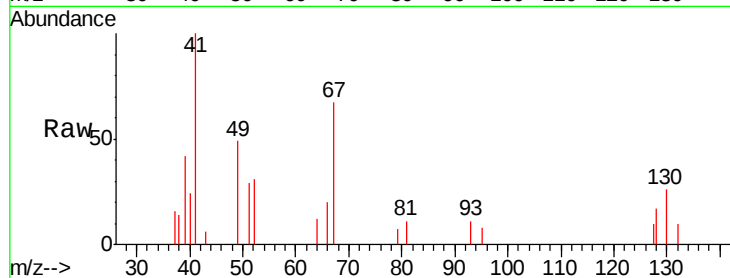
#41
Methacrylonitrile
Concen: 5.508 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	47.0	52.2	78.2#
67	60.0	60.5	90.7#
52	26.7	25.3	37.9

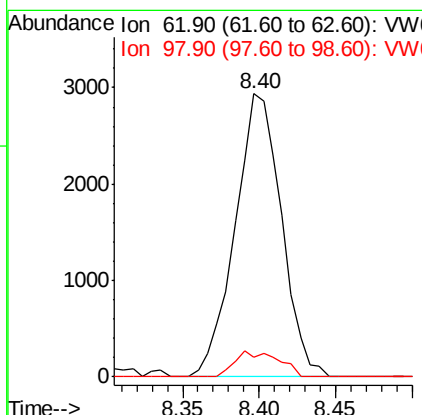
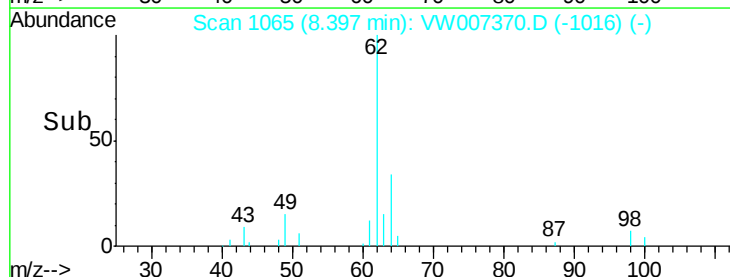
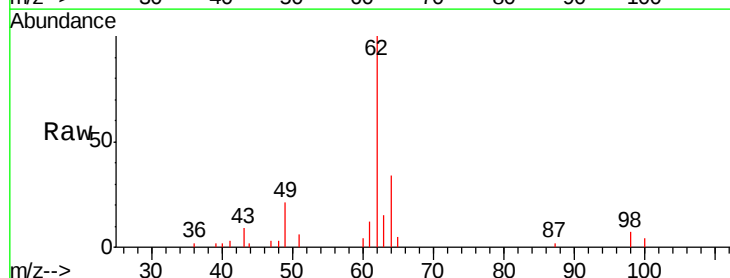
Manual Integrations
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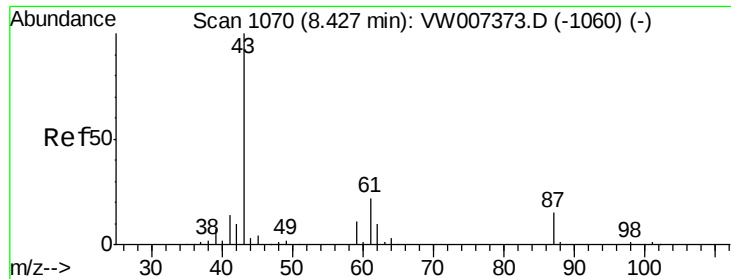
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.277 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 4.828 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

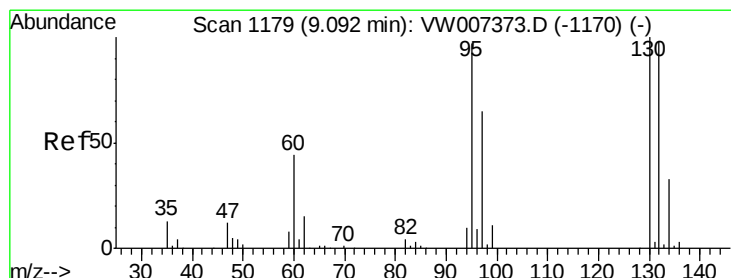
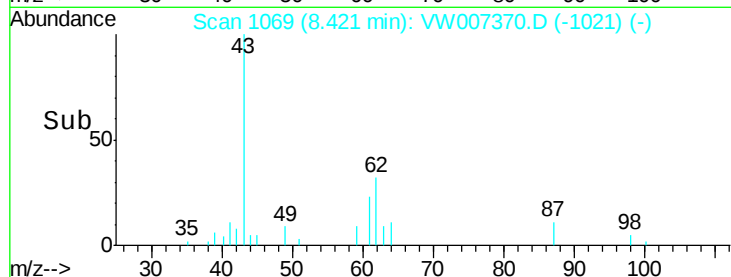
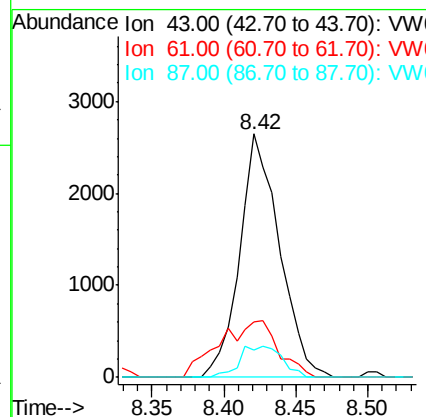
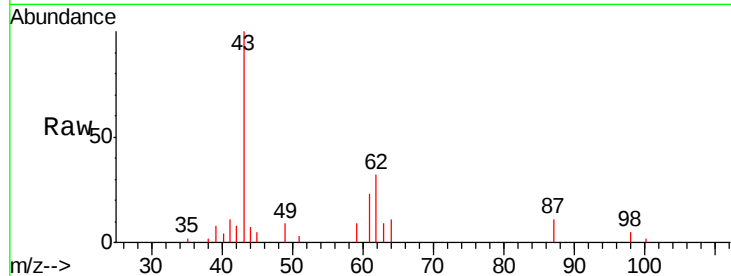
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	5068
Ion	Ratio	Lower	Upper
43	100		
61	34.4	25.3	37.9
87	13.8	11.8	17.8

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#44

Trichloroethene

Concen: 4.892 ug/l

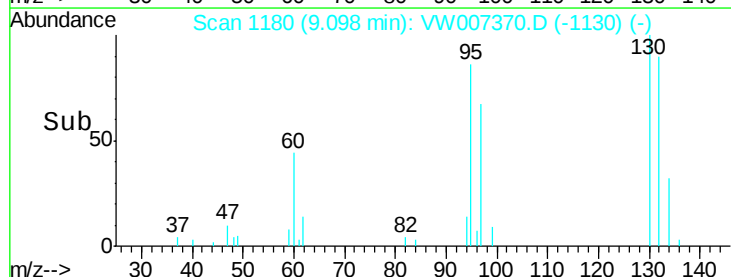
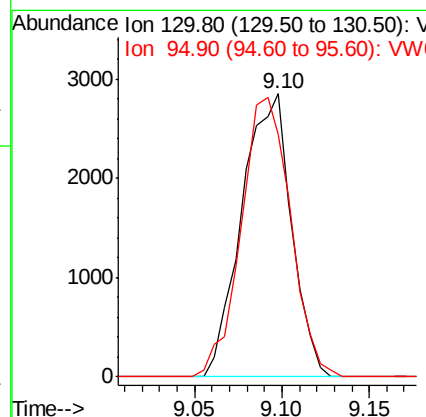
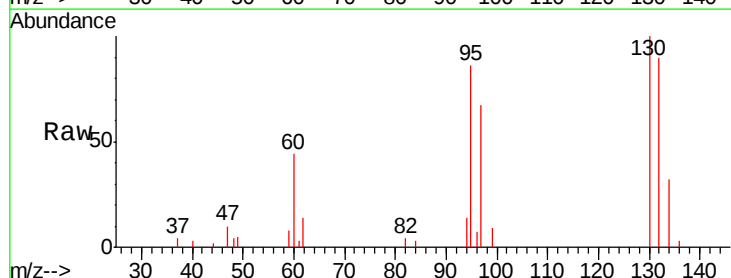
RT: 9.10 min Scan# 1180

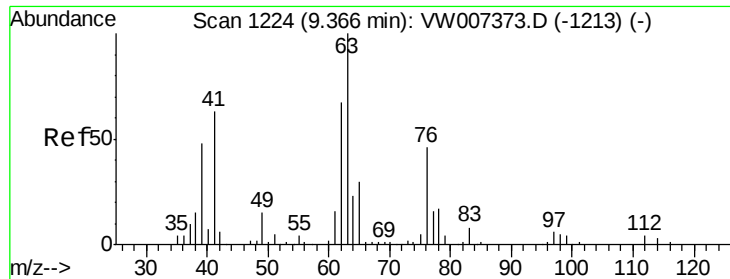
Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Tgt Ion:	130	Resp:	5603
Ion	Ratio	Lower	Upper
130	100		
95	85.6	0.0	193.2





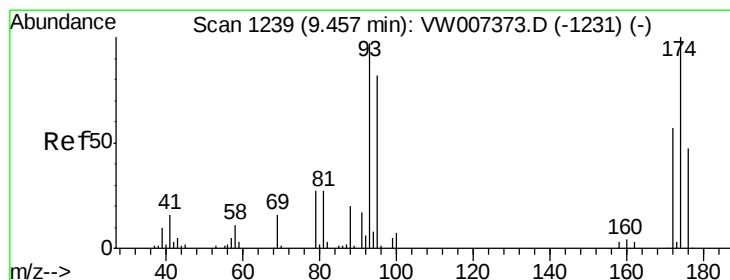
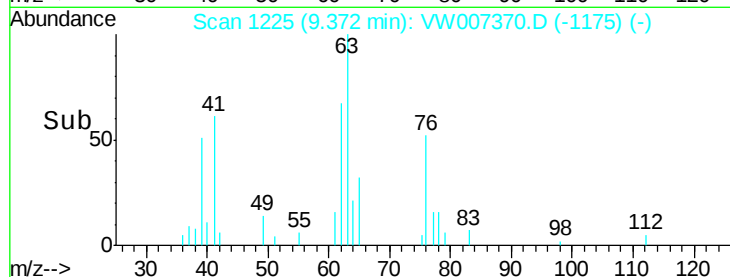
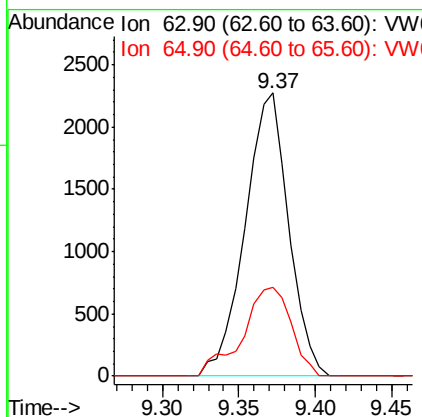
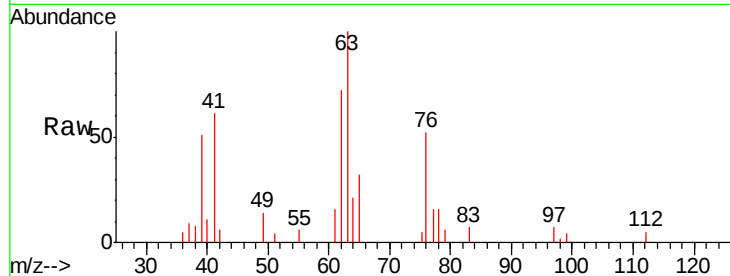
#45
 1,2-Dichloropropane
 Concen: 4.728 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 4504
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.4 36.6

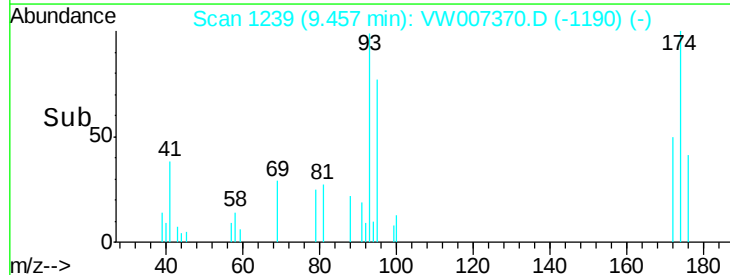
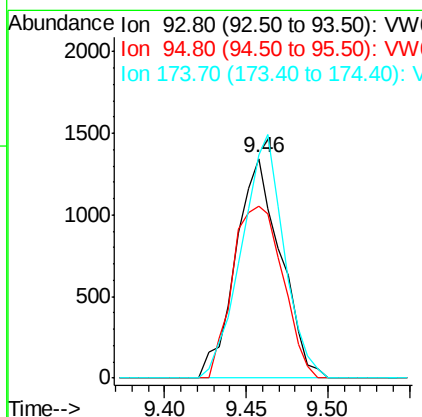
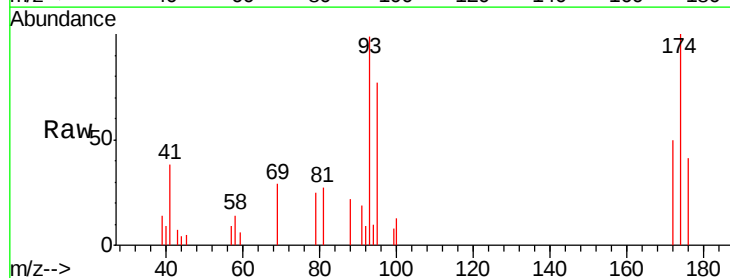
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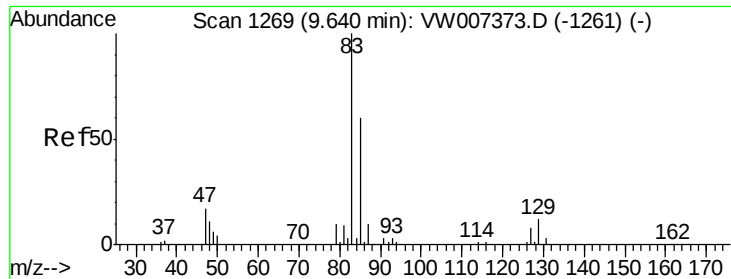
MMDadoda
 12/11/2018 4:55:22 PM



#46
 Dibromomethane
 Concen: 5.151 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Tgt Ion: 93 Resp: 2587
 Ion Ratio Lower Upper
 93 100
 95 87.2 68.0 102.0
 174 104.5 83.2 124.8





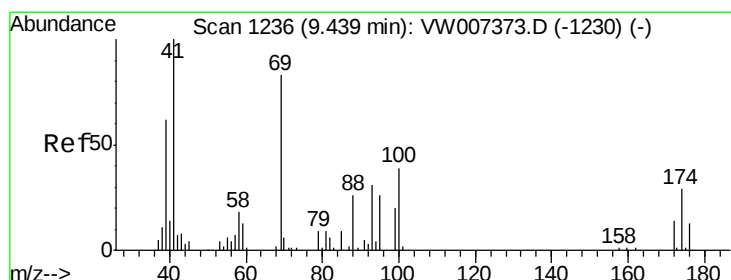
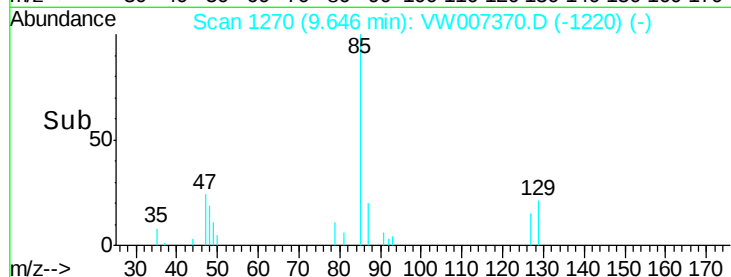
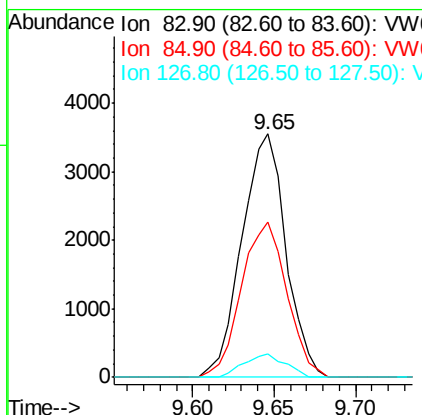
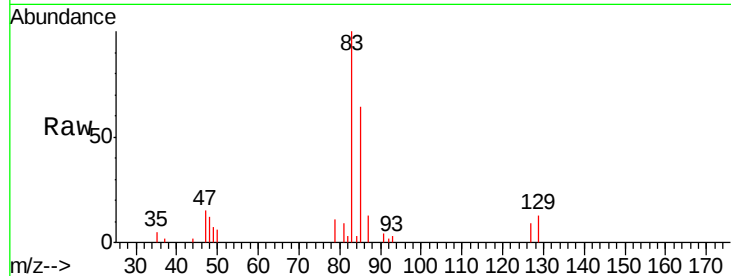
#47
Bromodichloromethane
Concen: 5.017 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	6635		
85	63.7		47.6	71.4
127	9.4		6.7	10.1

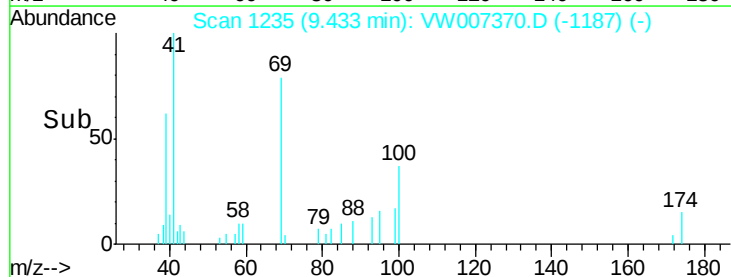
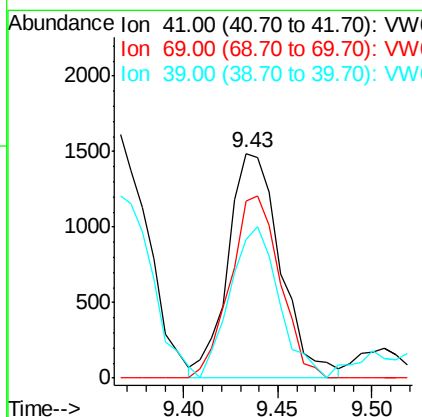
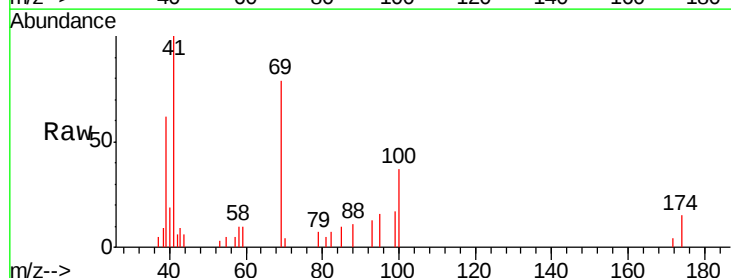
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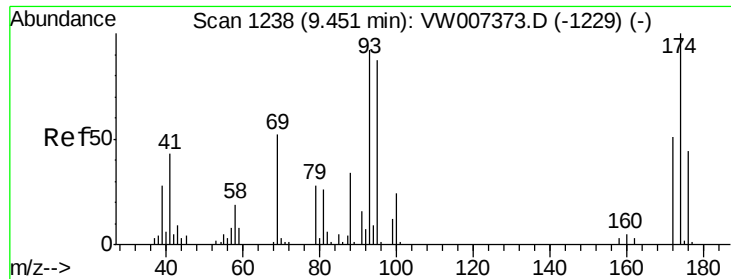
MMDadoda
12/11/2018 4:55:22 PM



#48
Methyl methacrylate
Concen: 5.342 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	2883		
69	76.6		69.8	104.8
39	62.3		50.9	76.3





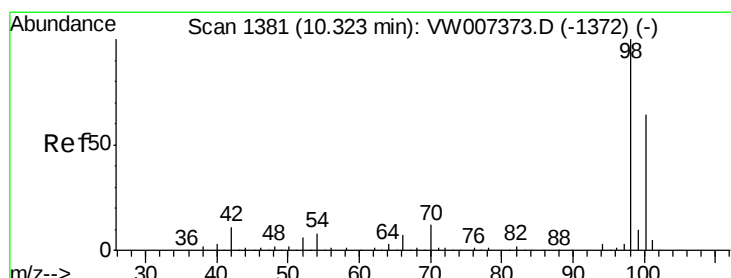
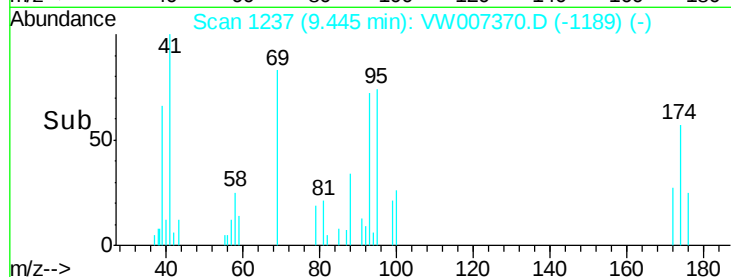
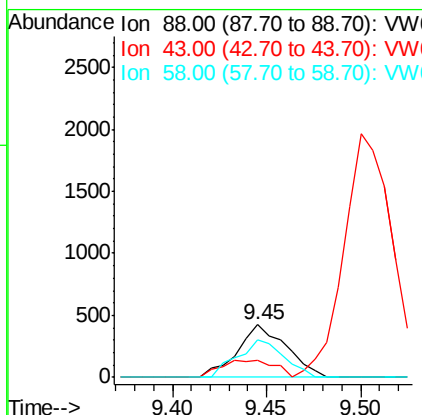
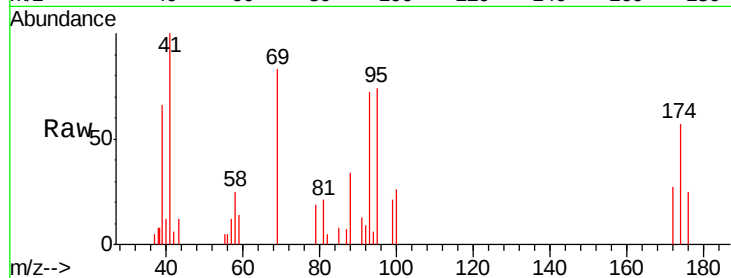
#49
1,4-Dioxane
Concen: 88.345 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.8	25.0	37.4
58	67.0	51.4	77.2

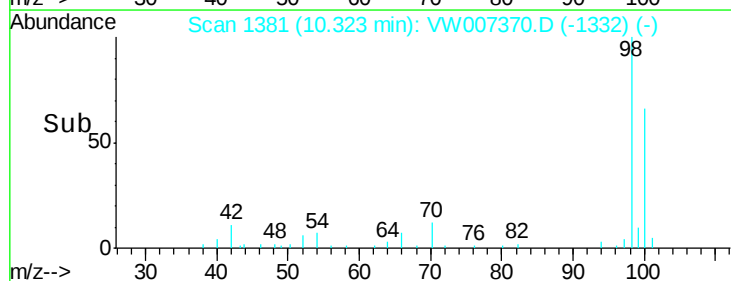
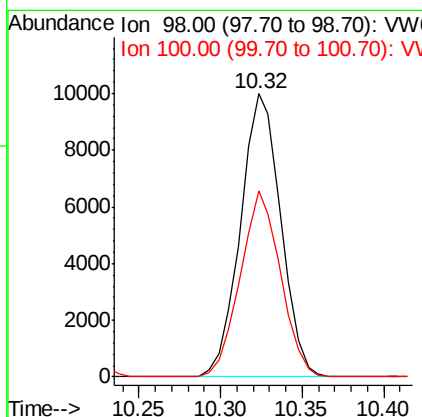
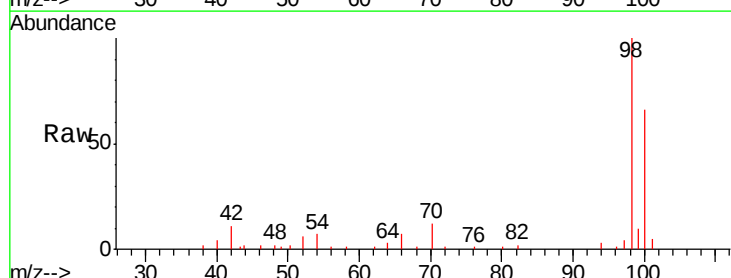
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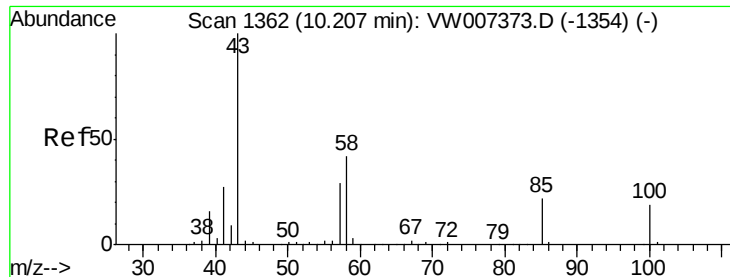
MMDadoda
12/11/2018 4:55:22 PM



#50
Toluene-d8
Concen: 4.453 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.8	77.8





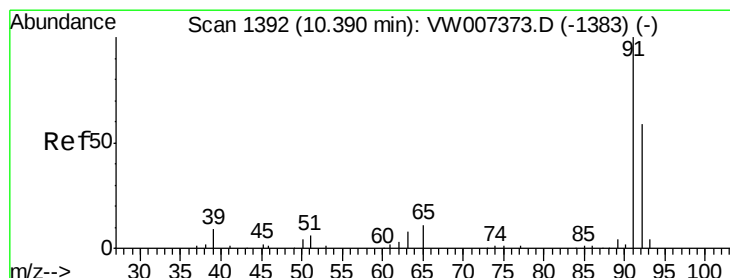
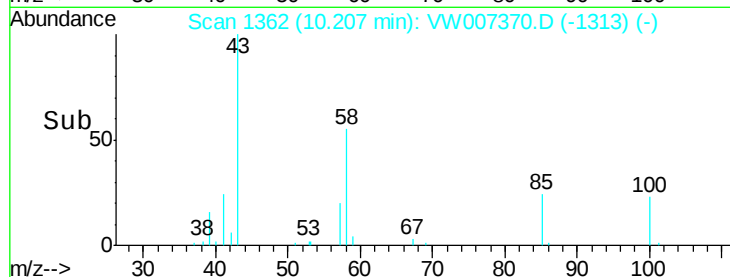
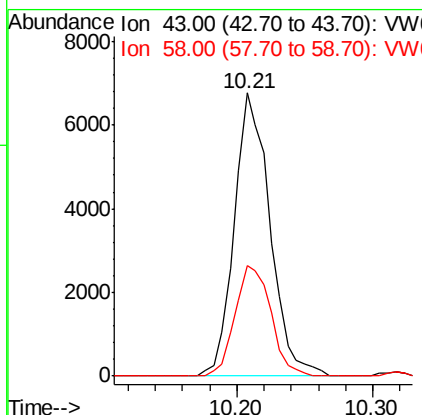
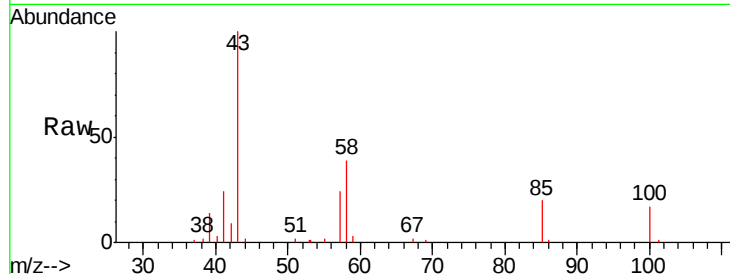
#51
4-Methyl-2-Pentanone
Concen: 24.238 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	33.1	49.7

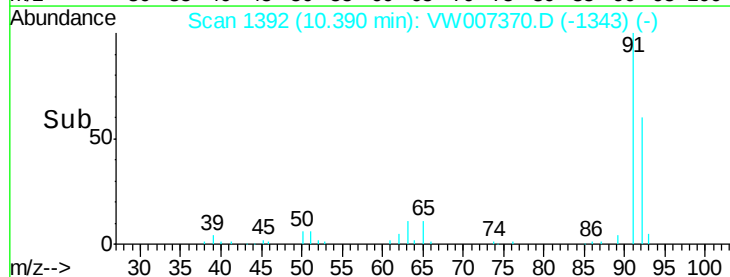
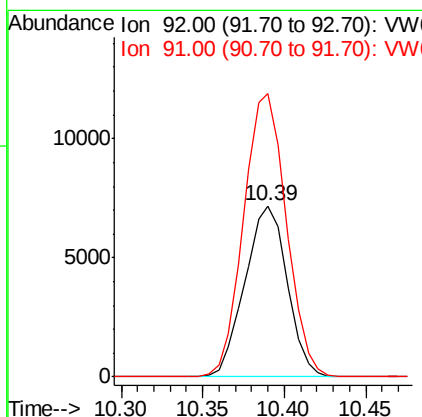
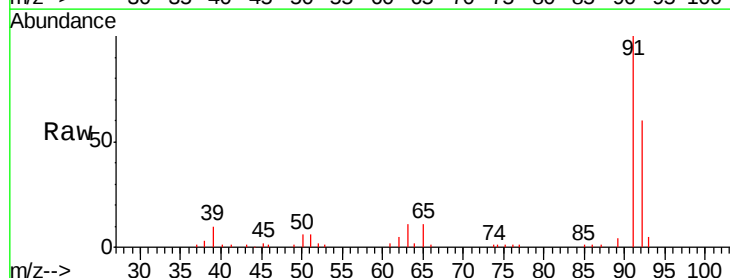
Manual Integrations
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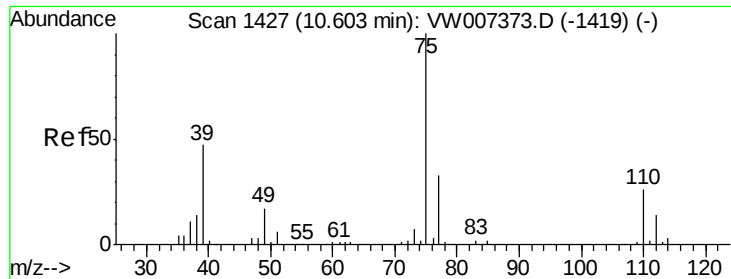
MMDadoda
12/11/2018 4:55:22 PM



#52
Toluene
Concen: 4.575 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.2	136.2	204.2





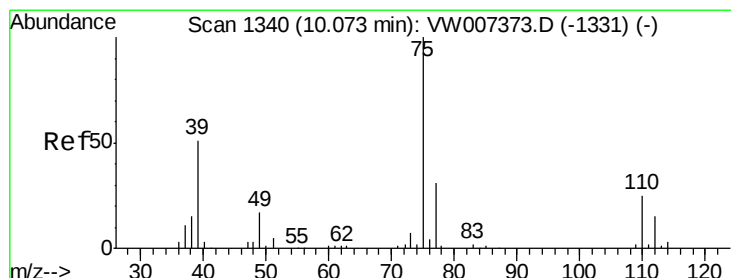
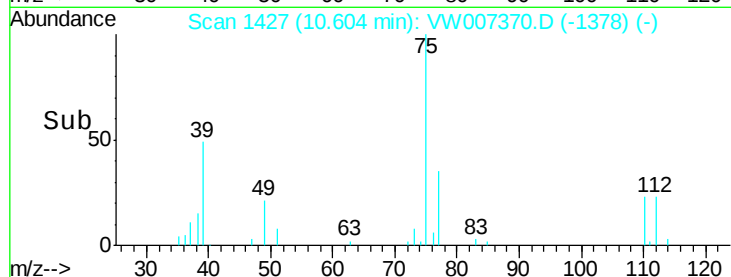
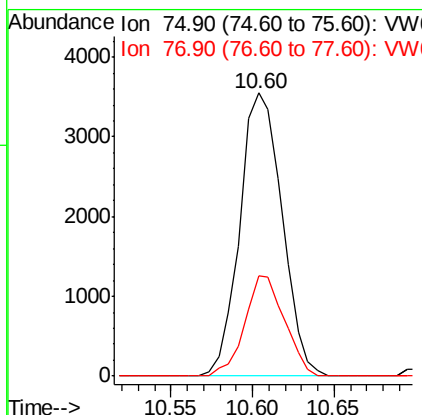
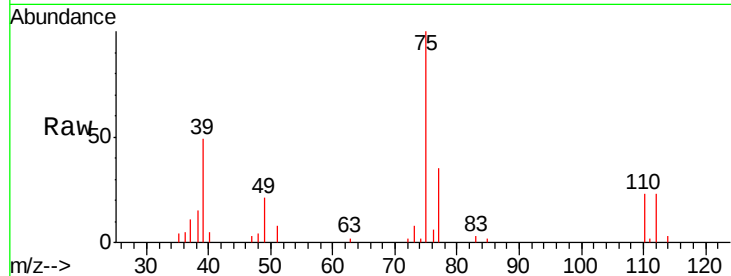
#53
 t-1,3-Dichloropropene
 Concen: 4.889 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 75 Resp: 6412
 Ion Ratio Lower Upper
 75 100
 77 35.3 26.2 39.4

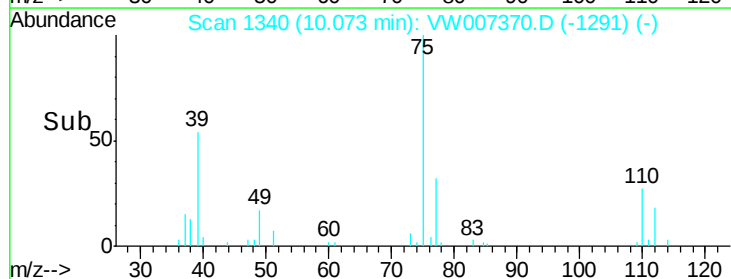
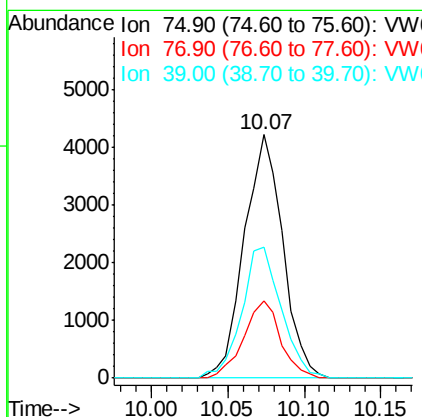
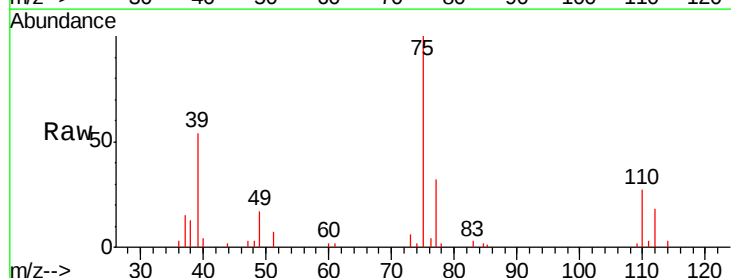
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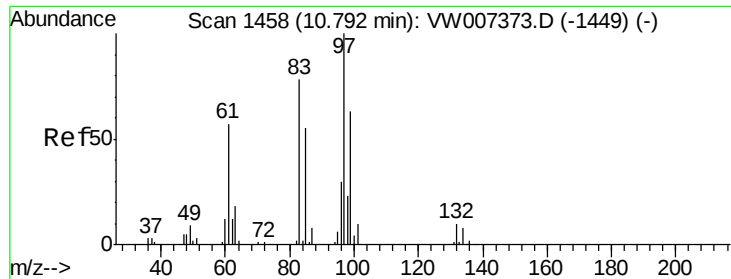
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#54
 cis-1,3-Dichloropropene
 Concen: 4.831 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Tgt Ion: 75 Resp: 7409
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.8 37.2
 39 54.0 40.9 61.3





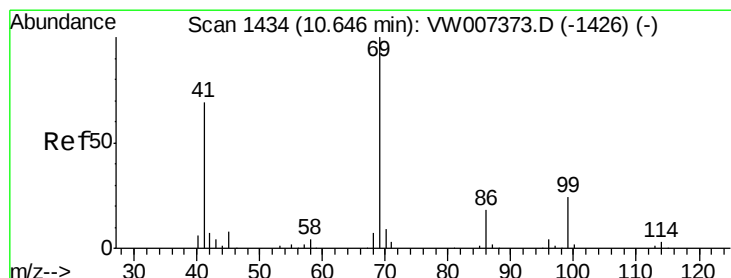
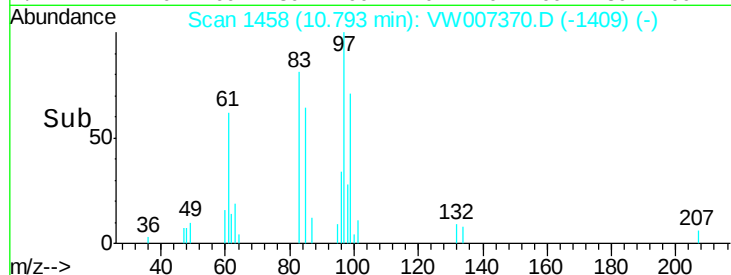
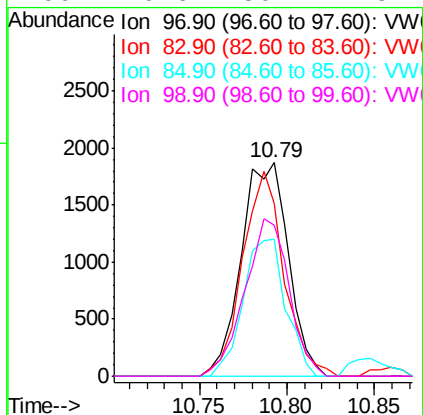
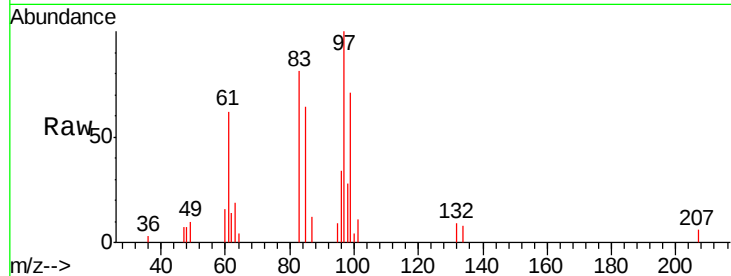
#55
 1,1,2-Trichloroethane
 Concen: 4.945 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:	97	Resp:	3504
Ion	Ratio	Lower	Upper
97	100		
83	80.7	62.1	93.1
85	64.0	44.2	66.4
99	70.6	50.2	75.4

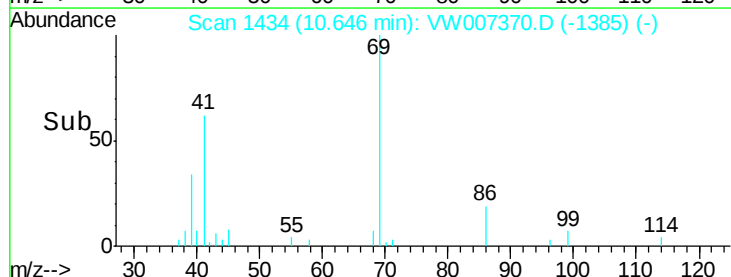
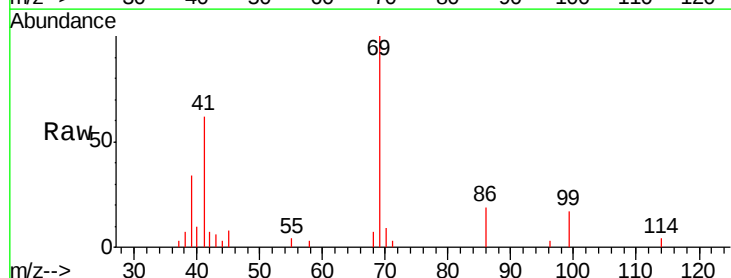
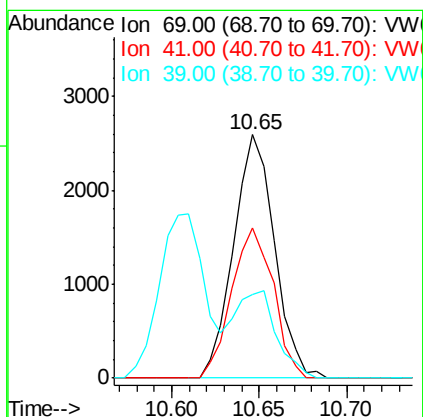
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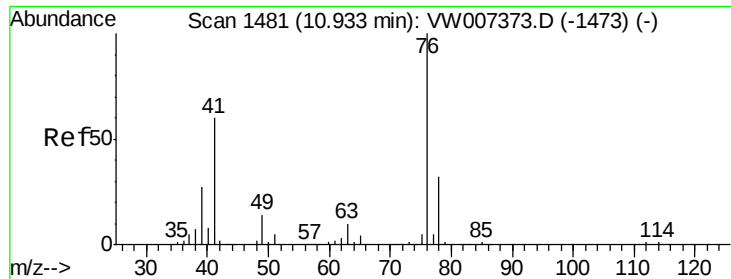
MMDadoda
 12/11/2018 4:55:22 PM



#56
 Ethyl methacrylate
 Concen: 4.648 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Tgt Ion:	69	Resp:	4218
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.0	76.6
39	37.1	30.8	46.2





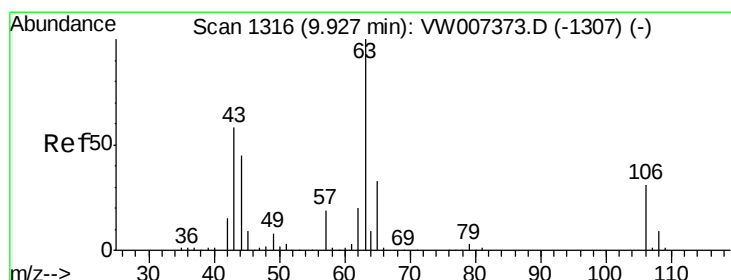
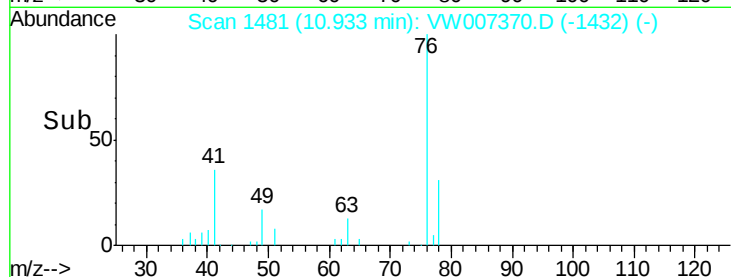
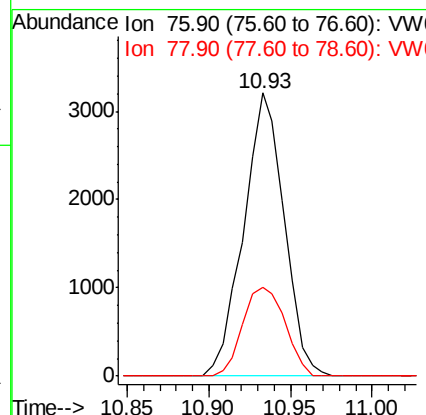
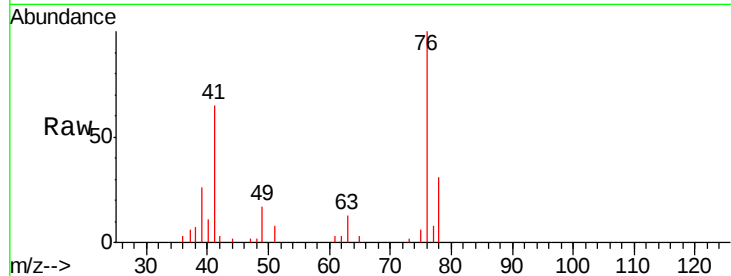
#57
 1,3-Dichloropropane
 Concen: 4.669 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 76 Resp: 5548
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4

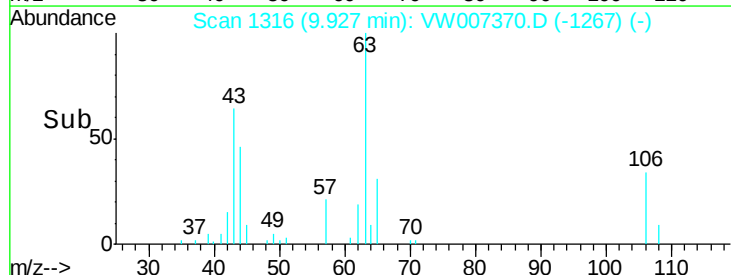
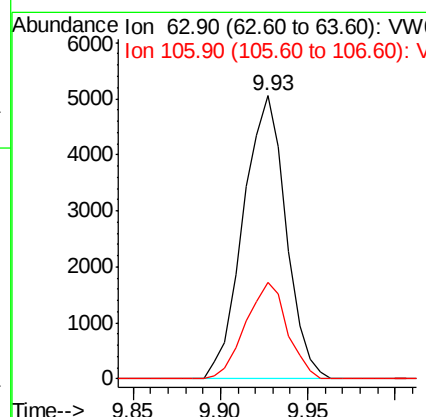
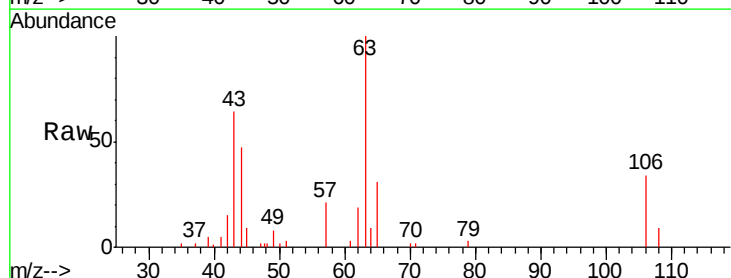
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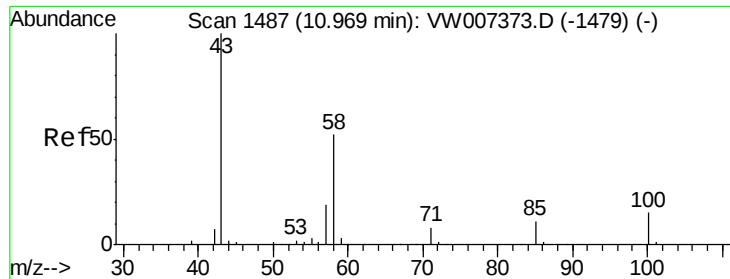
MMDadoda
 12/11/2018 4:55:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.546 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Tgt Ion: 63 Resp: 8592
 Ion Ratio Lower Upper
 63 100
 106 33.3 25.0 37.6





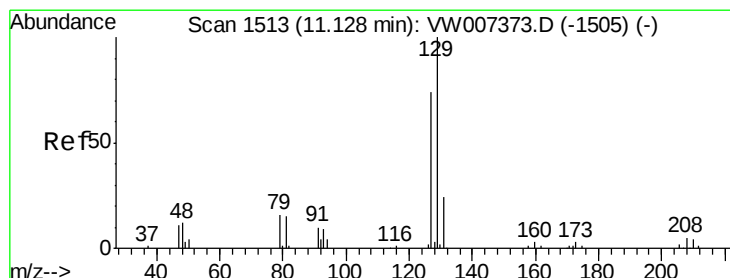
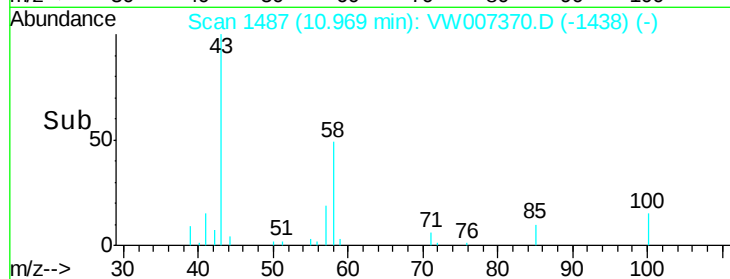
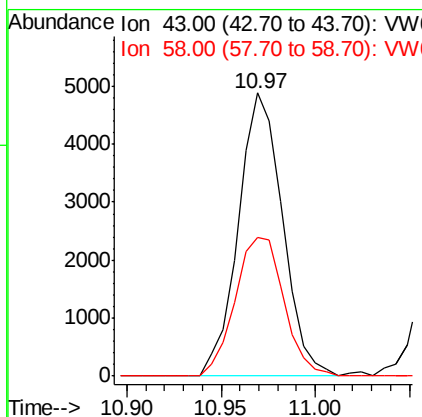
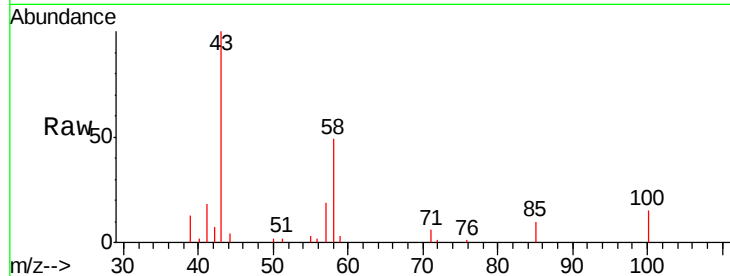
#59
2-Hexanone
Concen: 21.826 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 7940
Ion Ratio Lower Upper
43 100
58 54.1 27.1 81.3

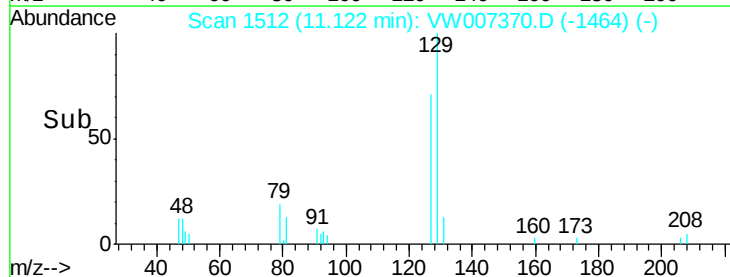
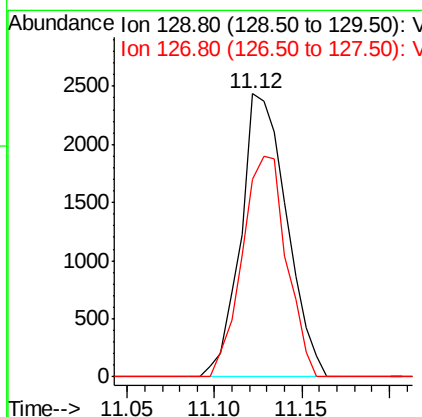
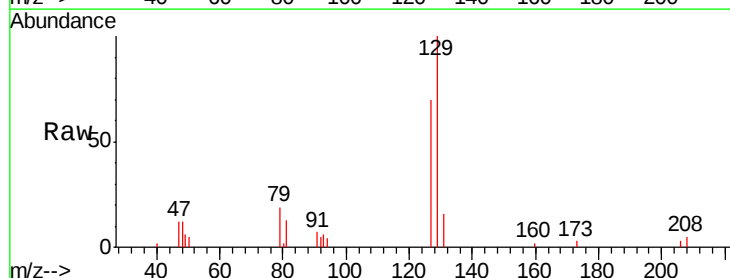
Manual Integrations
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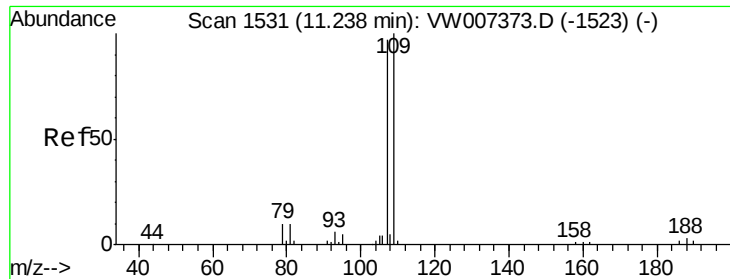
MMDadoda
12/11/2018 4:55:22 PM



#60
Dibromochloromethane
Concen: 5.071 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion: 129 Resp: 4442
Ion Ratio Lower Upper
129 100
127 75.3 38.1 114.3





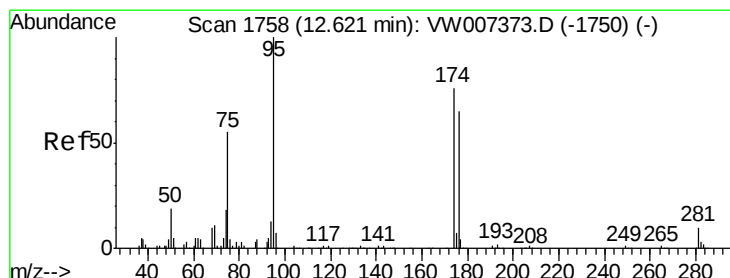
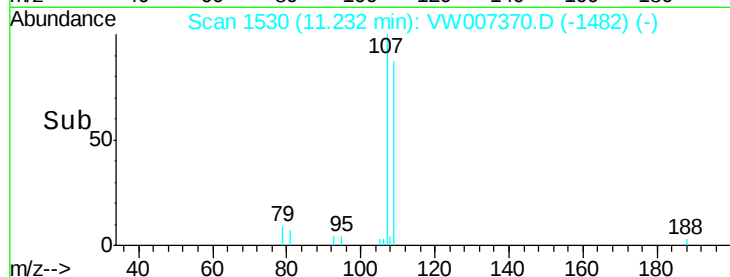
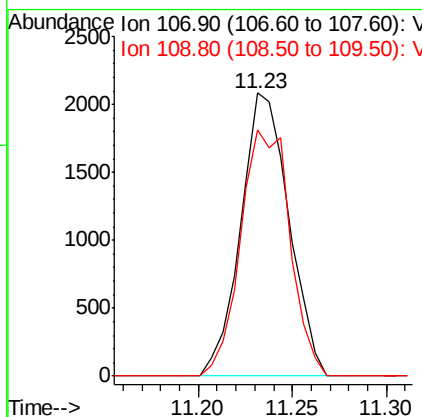
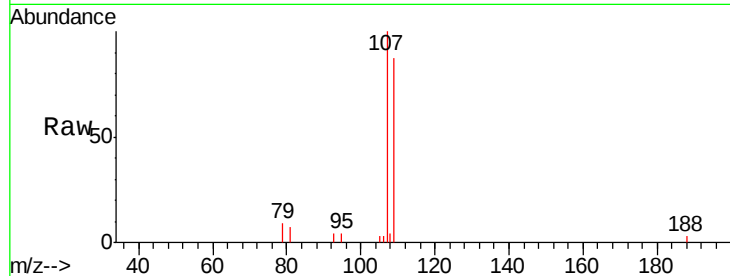
#61
 1,2-Dibromoethane
 Concen: 5.456 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	3684		
109	89.1	79.1	118.7	

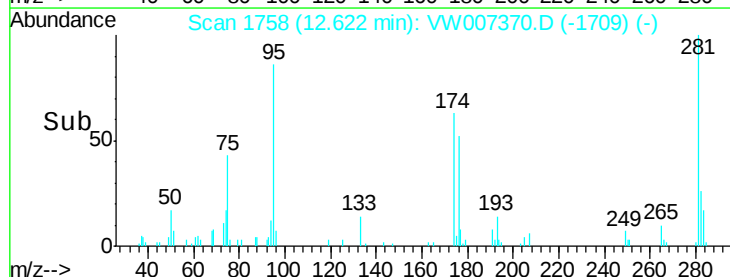
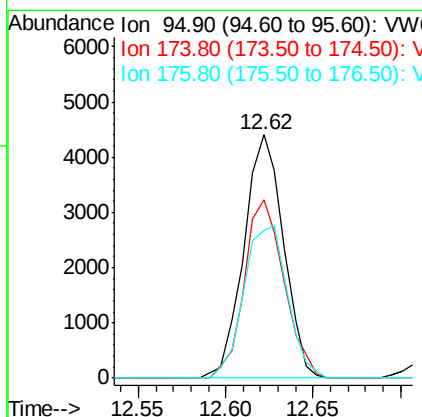
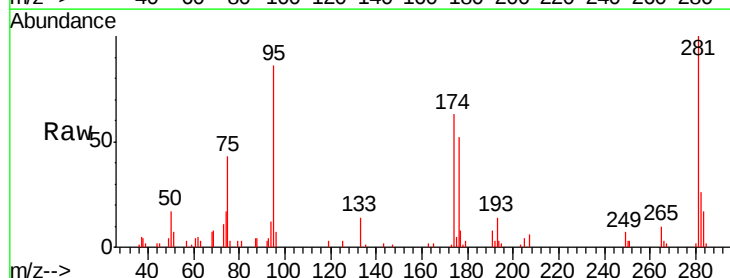
Manual Integrations
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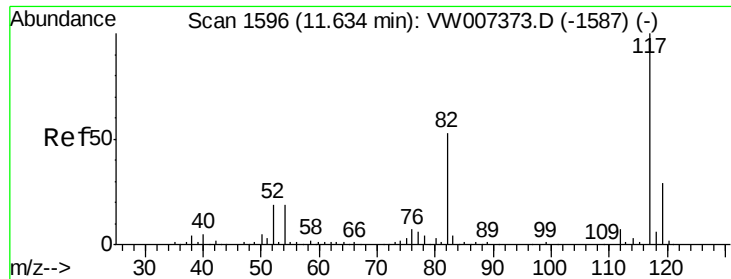
MMDadoda
 12/11/2018 4:55:22 PM



#62
 4-Bromofluorobenzene
 Concen: 4.786 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	6915		
174	73.8	0.0	147.2	
176	69.1	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: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

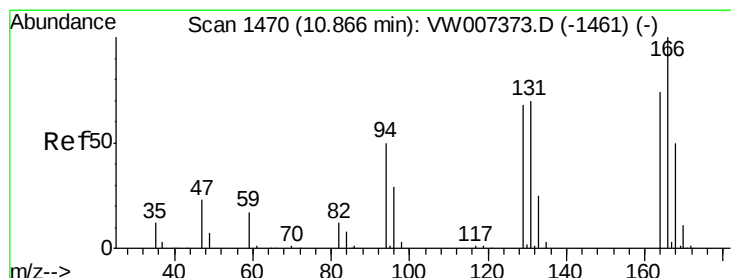
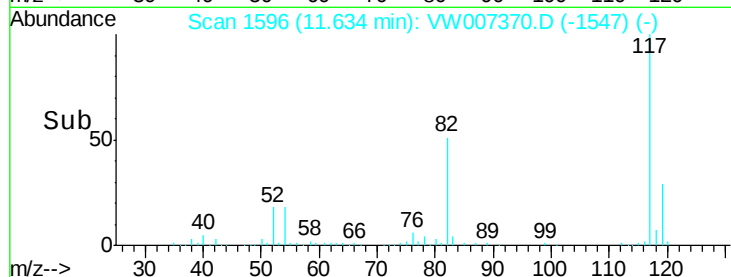
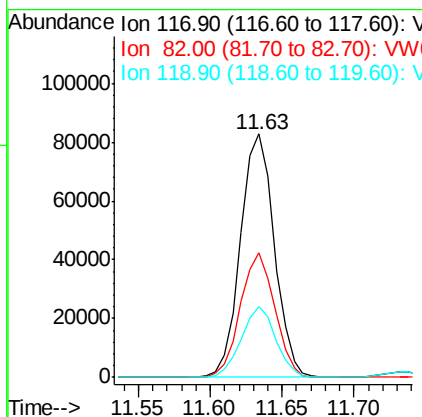
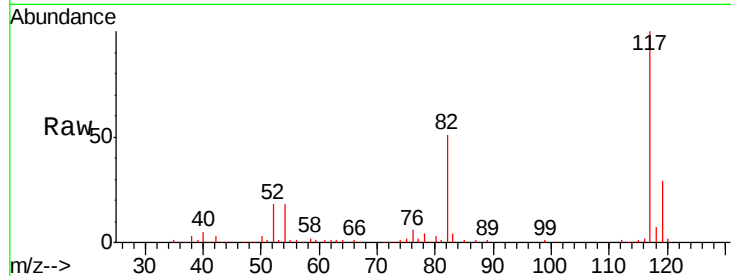
ClientSampleId :

VSTDIC005

Tgt Ion:	117	Resp:	134805
Ion Ratio	Lower	Upper	
117	100		
82	51.0	42.3	63.5
119	28.9	23.0	34.6

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#64

Tetrachloroethene

Concen: 4.894 ug/l

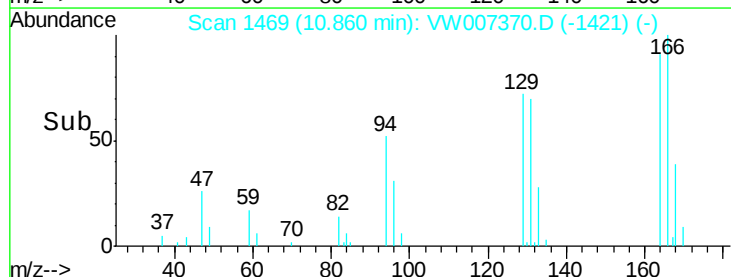
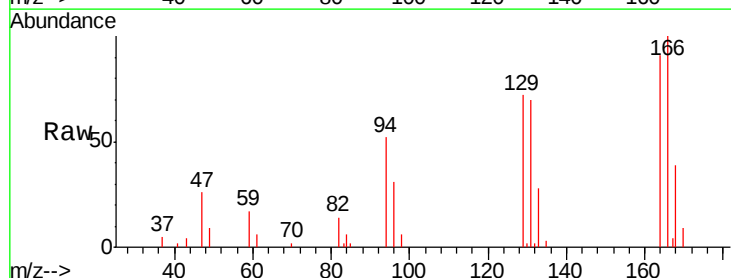
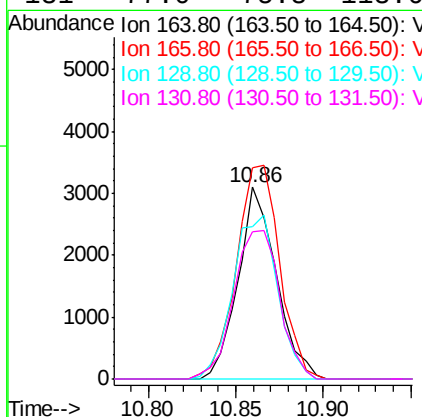
RT: 10.86 min Scan# 1469

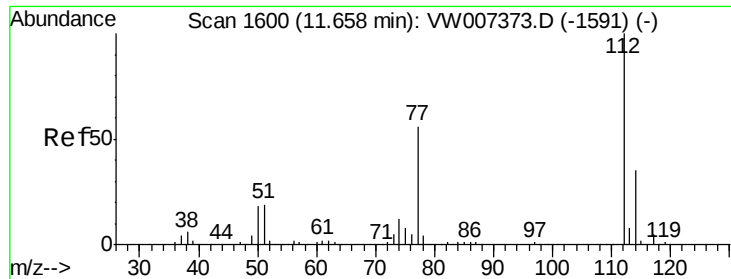
Delta R.T. -0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Tgt Ion:	164	Resp:	4739
Ion Ratio	Lower	Upper	
164	100		
166	110.1	107.9	161.9
129	79.3	73.4	110.2
131	77.0	75.8	113.6





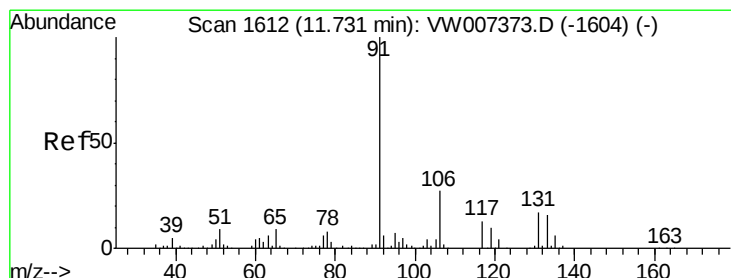
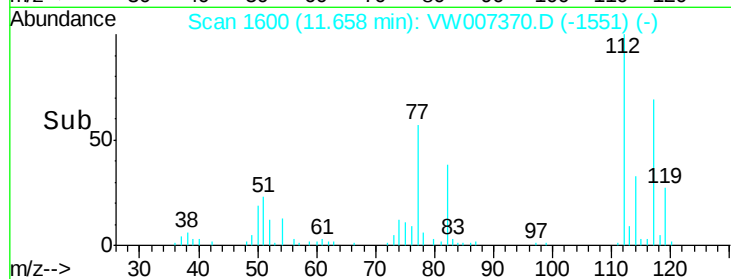
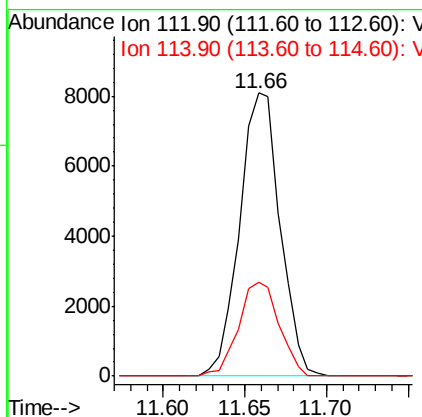
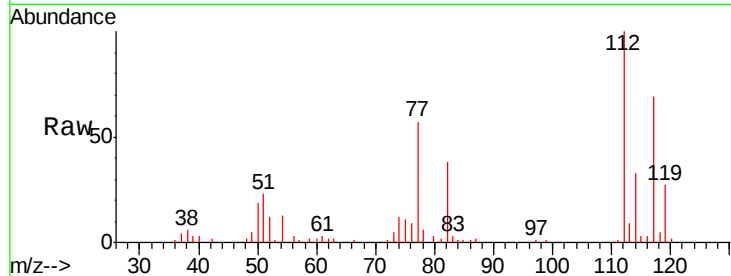
#65
Chlorobenzene
Concen: 4.748 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 14000
Ion Ratio Lower Upper
112 100
114 33.0 27.8 41.8

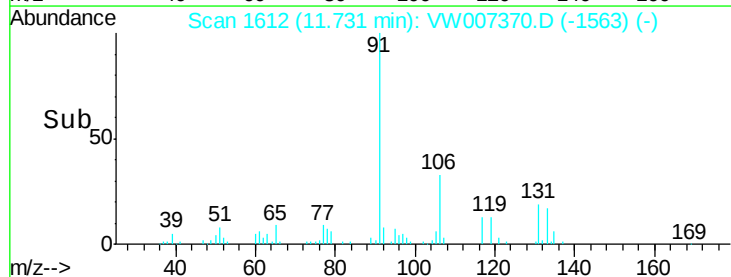
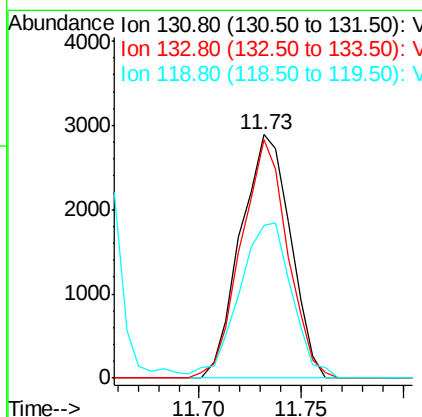
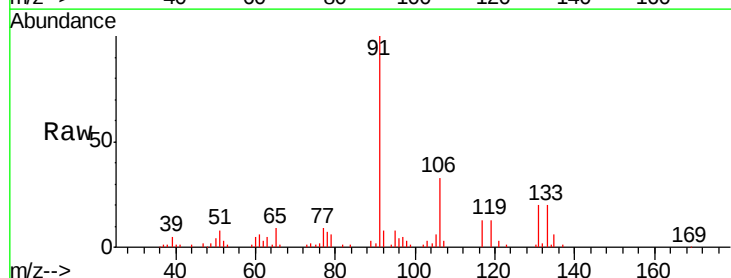
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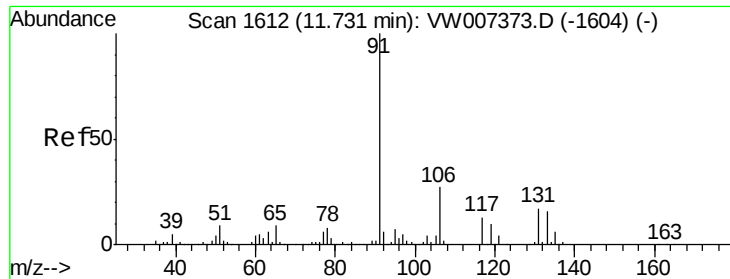
MMDadoda
12/11/2018 4:55:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.270 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion:131 Resp: 4905
Ion Ratio Lower Upper
131 100
133 91.2 47.1 141.4
119 67.3 31.3 93.9





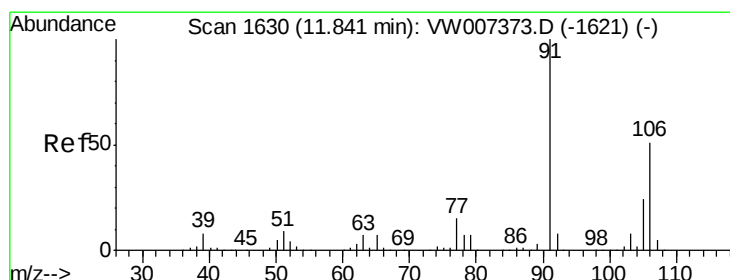
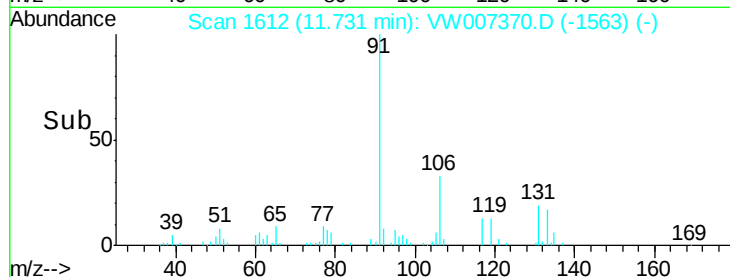
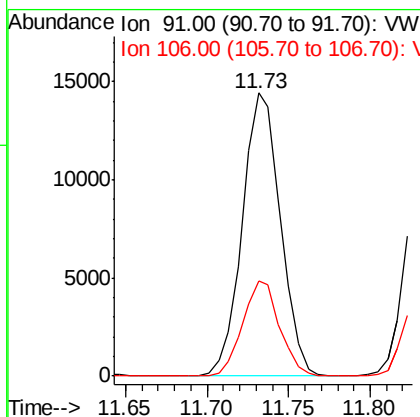
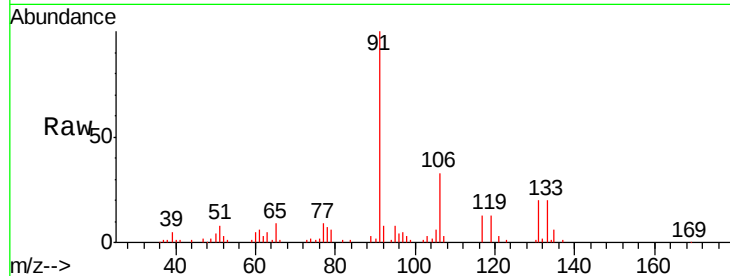
#67
Ethyl Benzene
Concen: 4.371 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 23440
Ion Ratio Lower Upper
91 100
106 33.4 21.8 32.8#

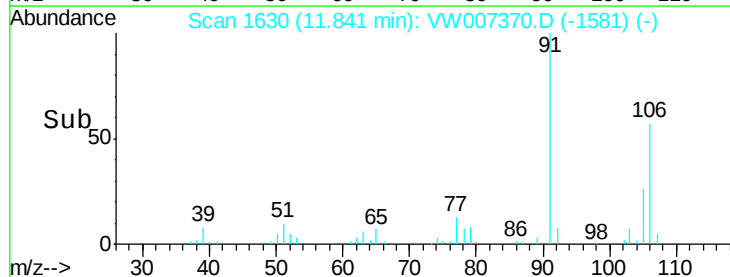
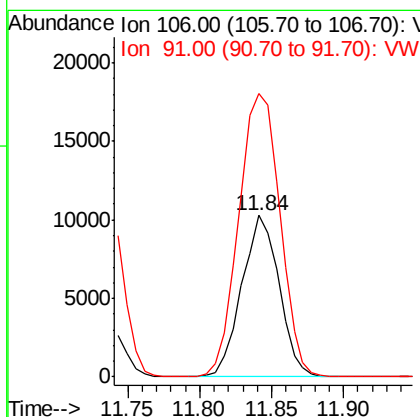
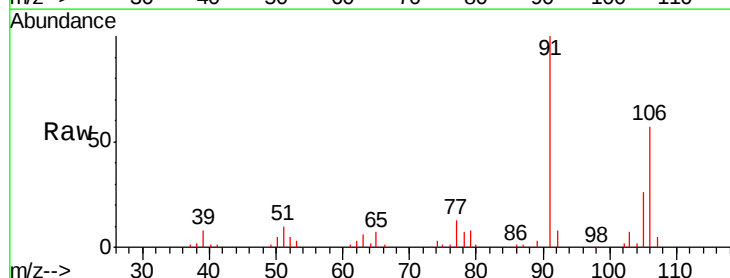
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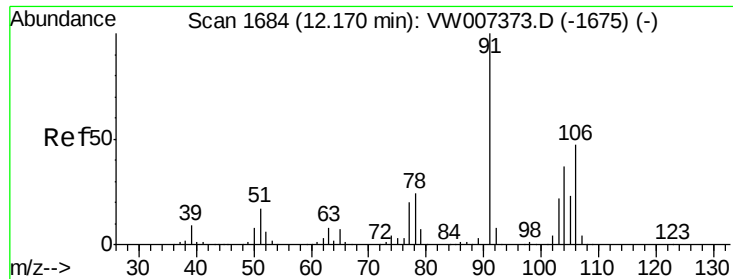
MMDadoda
12/11/2018 4:55:22 PM



#68
m/p-Xylenes
Concen: 8.842 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion: 106 Resp: 18490
Ion Ratio Lower Upper
106 100
91 194.2 165.3 247.9





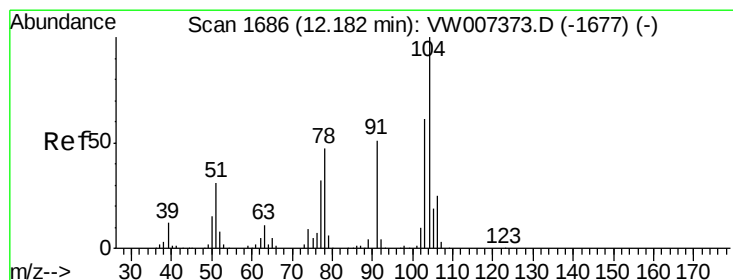
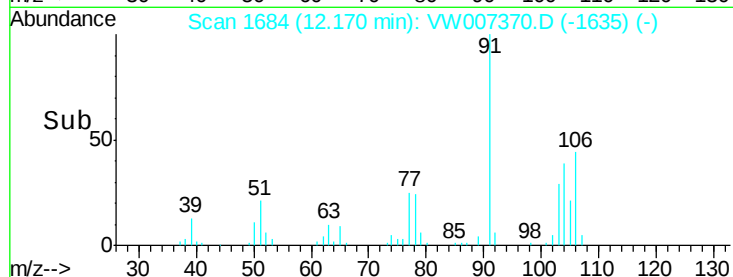
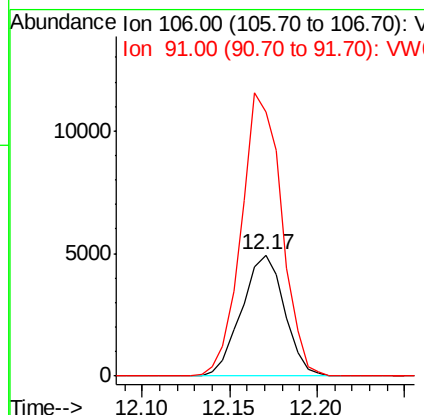
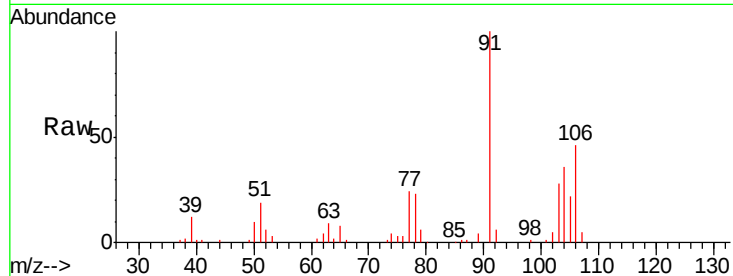
#69
o-Xylene
Concen: 4.268 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 8407
Ion Ratio Lower Upper
106 100
91 220.1 106.6 319.8

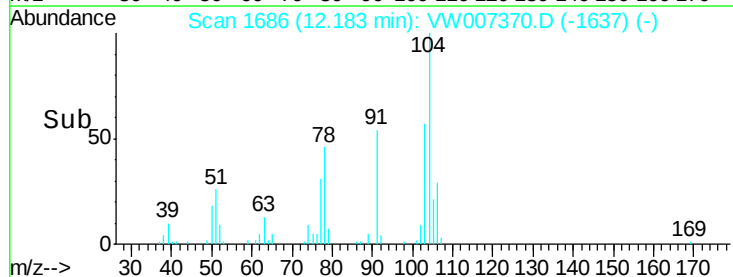
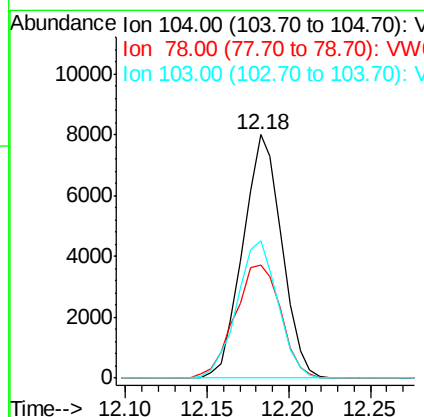
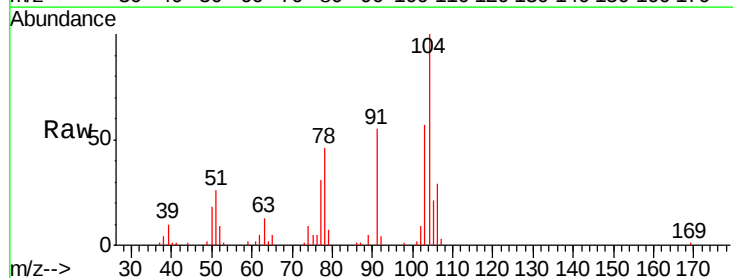
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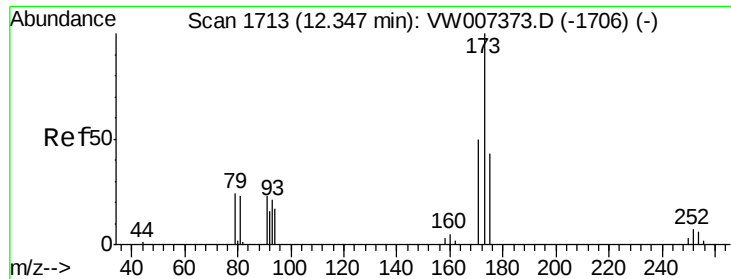
MMDadoda
12/11/2018 4:55:22 PM



#70
Styrene
Concen: 4.160 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion:104 Resp: 13311
Ion Ratio Lower Upper
104 100
78 54.9 41.8 62.8
103 59.5 46.6 69.8





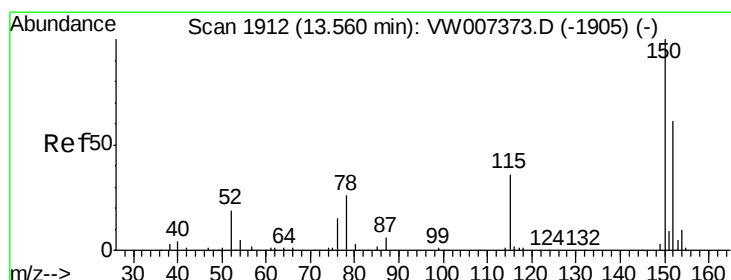
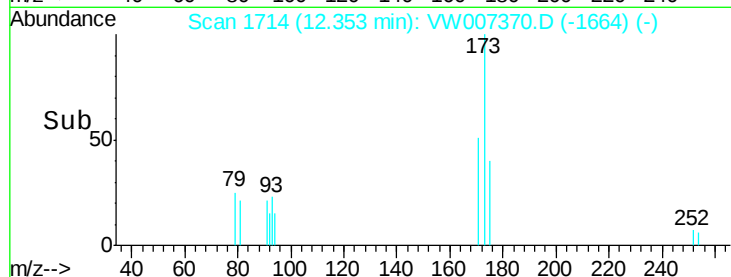
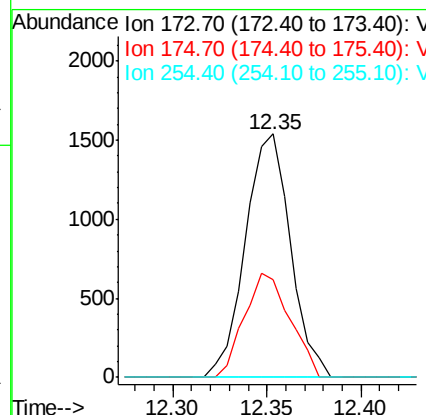
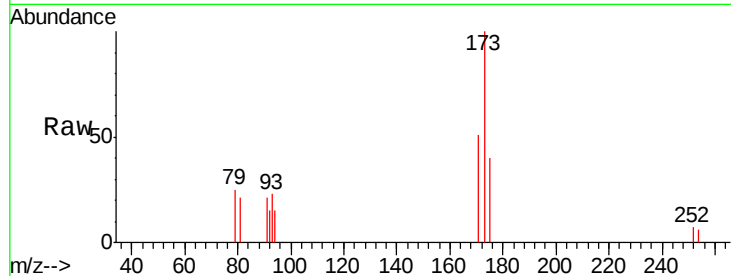
#71
Bromoform
Concen: 5.491 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
173	100		
175	43.1	23.6	70.8
254	0.0	0.0	0.0

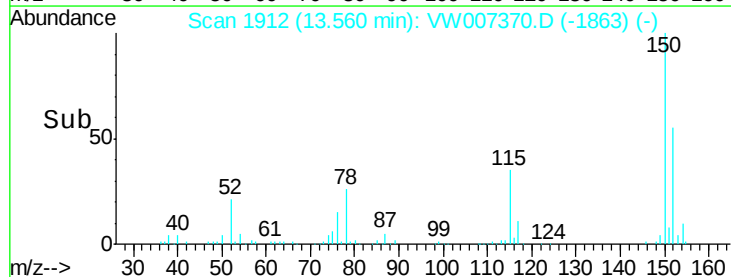
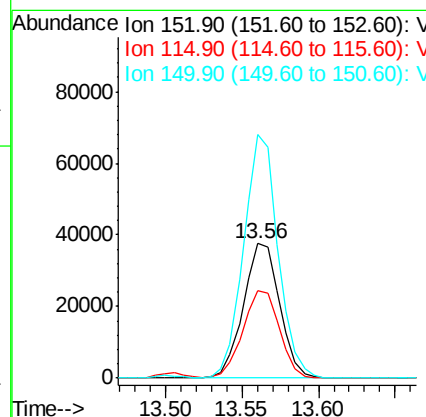
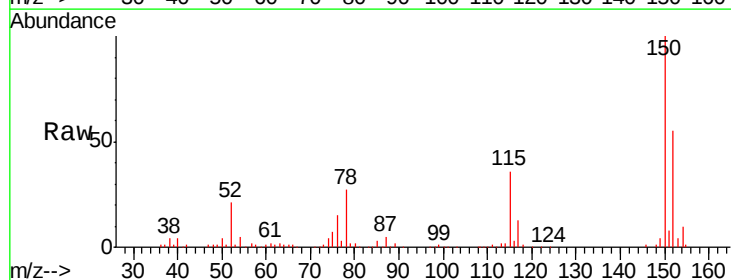
Manual Integrations
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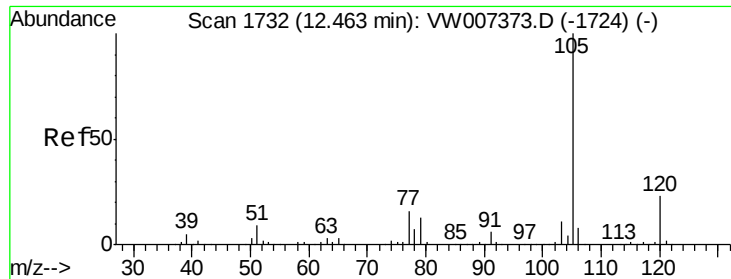
MMDadoda
12/11/2018 4:55:22 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.3	31.4	94.2
150	172.2	0.0	358.4





#73

Isopropylbenzene

Concen: 4.674 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 23057

Ion Ratio Lower Upper

105 100

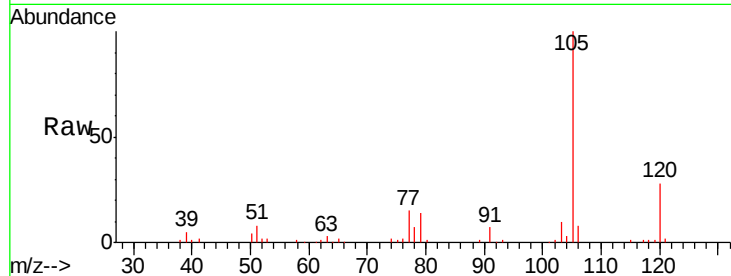
120 28.7 12.8 38.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

15000

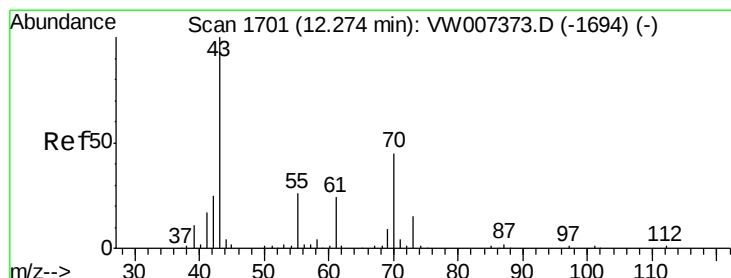
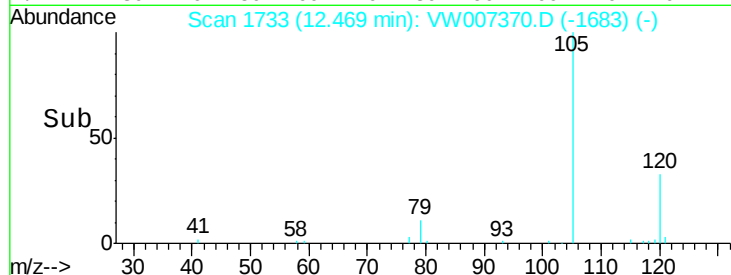
10000

5000

0

Time-->

12.40 12.45 12.50



#74

N-ethyl acetate

Concen: 4.689 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Tgt Ion: 43 Resp: 4076

Ion Ratio Lower Upper

43 100

70 46.0 36.5 54.7

55 27.9 20.1 30.1

61 25.9 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

4000

3000

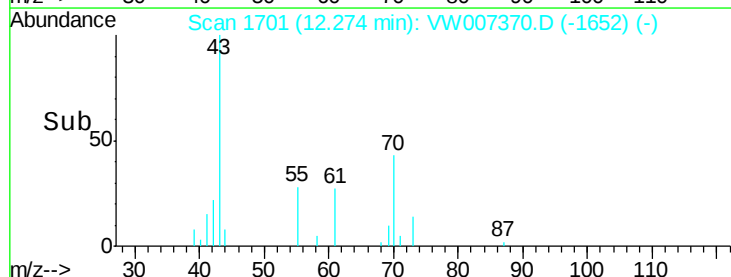
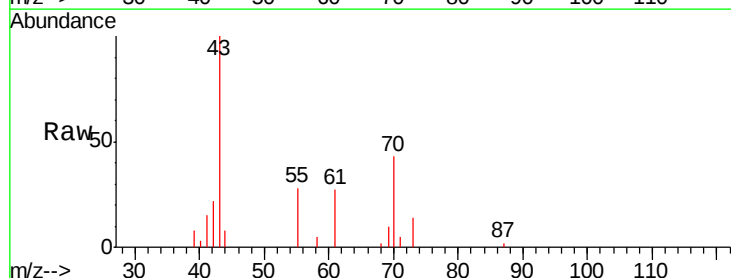
2000

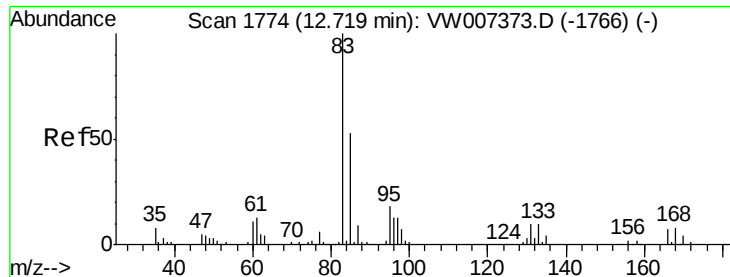
1000

0

Time-->

12.20 12.25 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 5.882 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

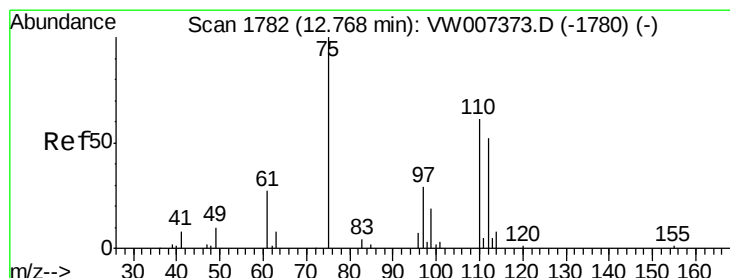
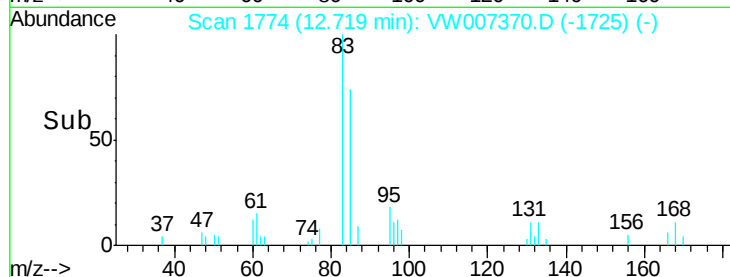
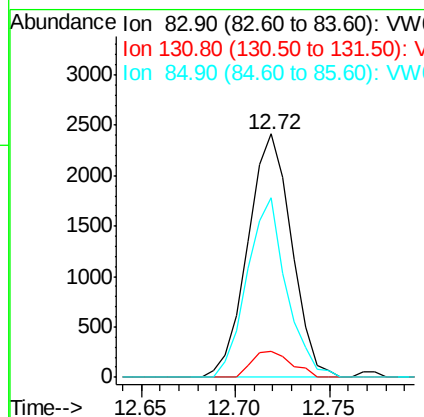
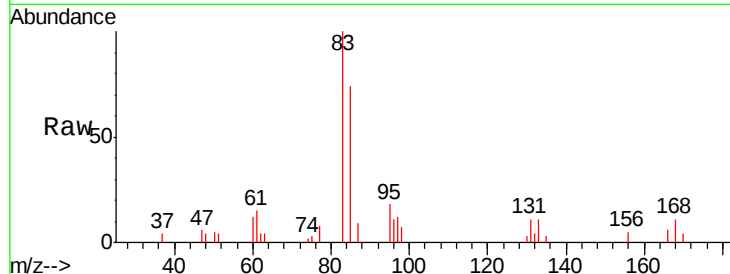
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	3891
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.9	17.8
85	66.4	30.0	90.0

Manual Integrations
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12/11/2018 4:55:22 PM



#76

1,2,3-Trichloropropane

Concen: 5.486 ug/l m

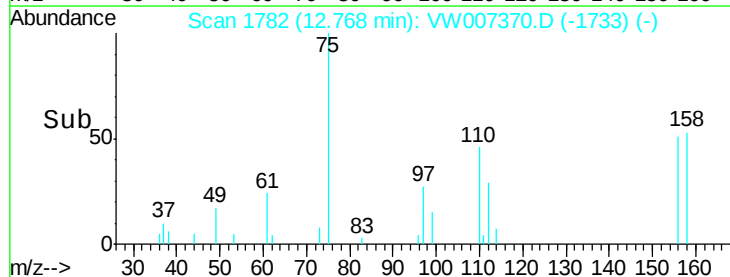
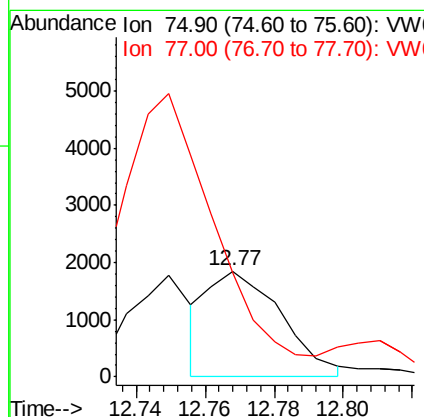
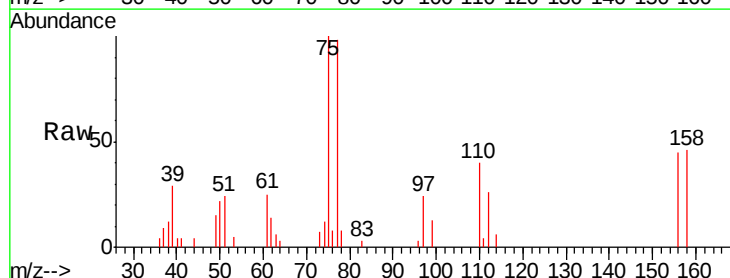
RT: 12.77 min Scan# 1782

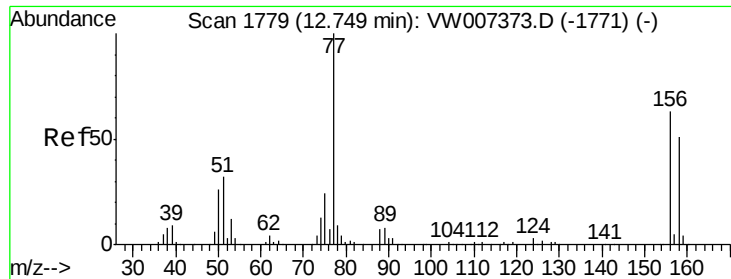
Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Tgt Ion:	75	Resp:	2758
Ion Ratio	Lower	Upper	
75	100		
77	351.8	166.9	500.8





#77

Bromobenzene

Concen: 4.981 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

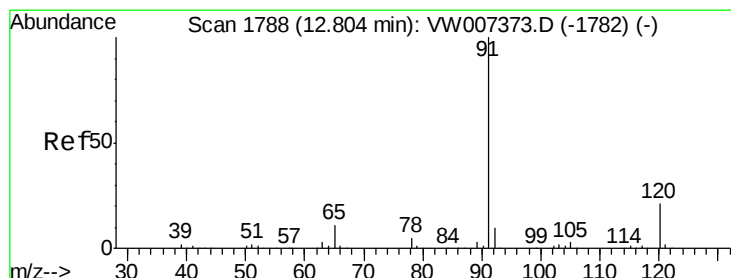
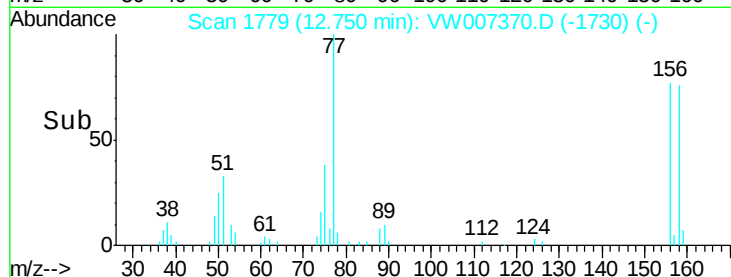
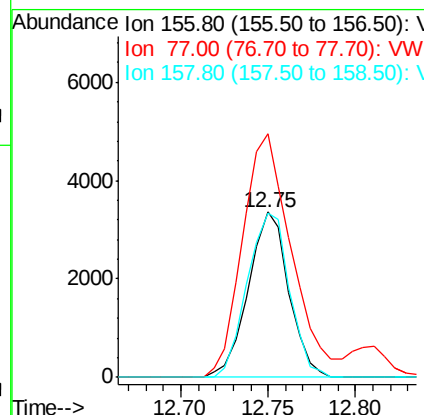
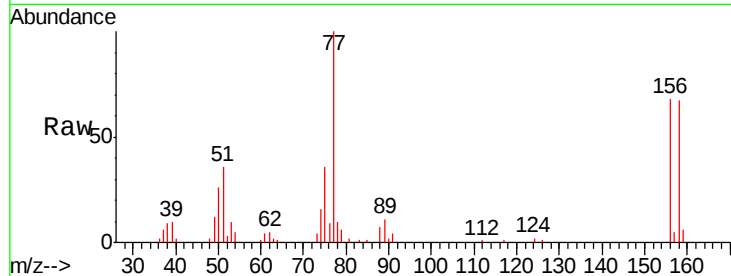
ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	5395
Ion Ratio	Lower	Upper	
156	100		
77	179.8	88.1	264.4
158	103.5	45.6	136.7

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#78

n-propylbenzene

Concen: 4.551 ug/l

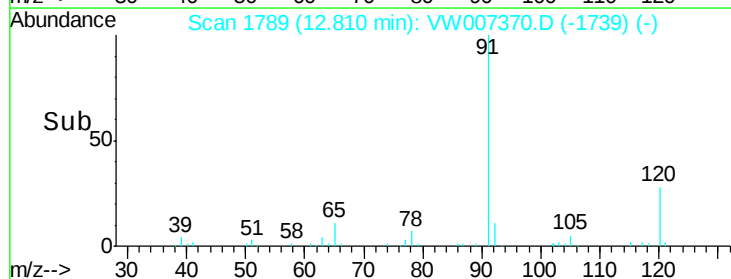
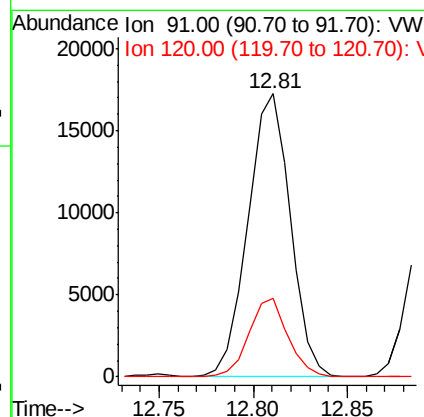
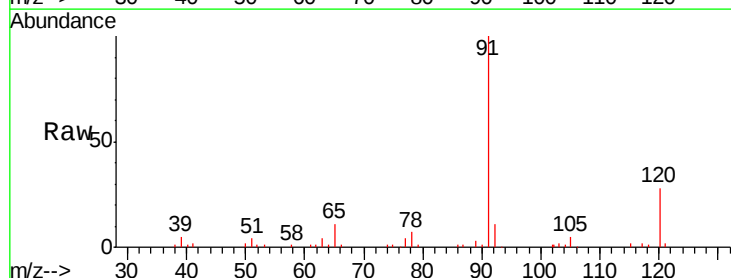
RT: 12.81 min Scan# 1789

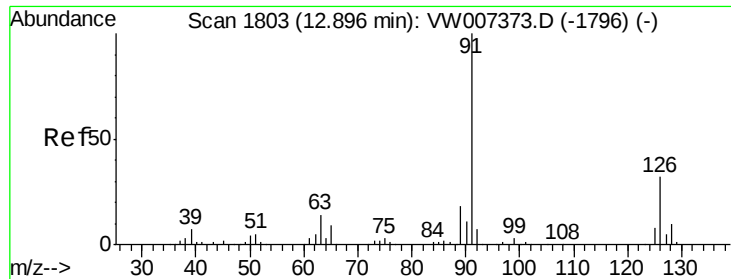
Delta R.T. 0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Tgt Ion:	91	Resp:	26962
Ion Ratio	Lower	Upper	
91	100		
120	25.4	11.9	35.5





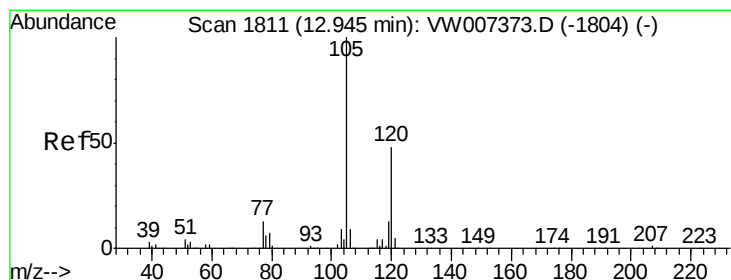
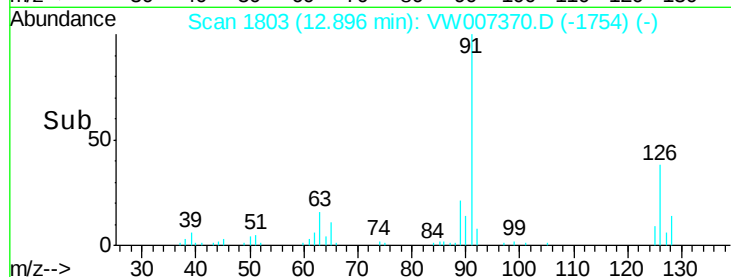
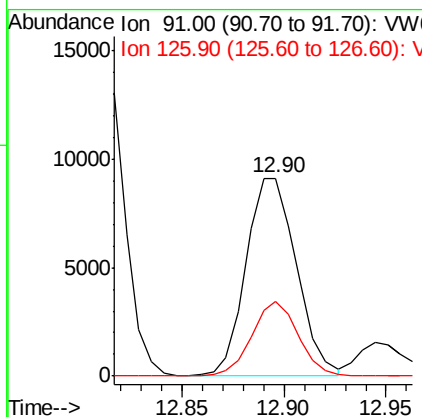
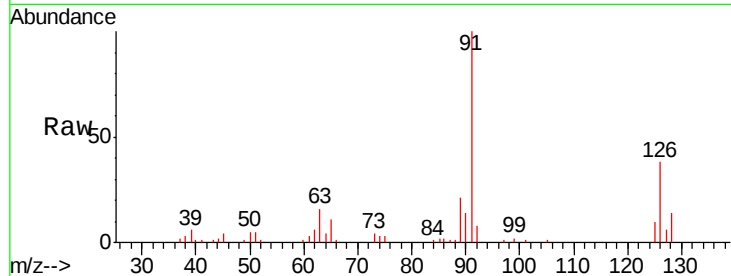
#79
2-Chlorotoluene
Concen: 4.671 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion: 91 Resp: 15701
Ion Ratio Lower Upper
91 100
126 34.7 15.9 47.6

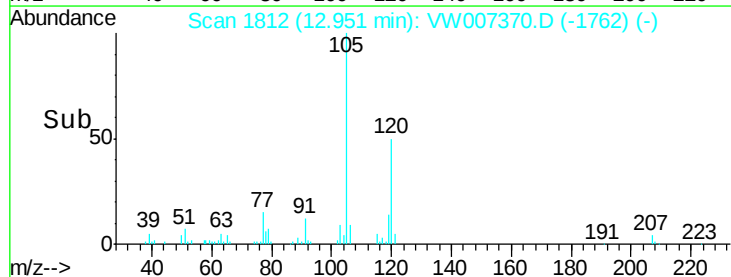
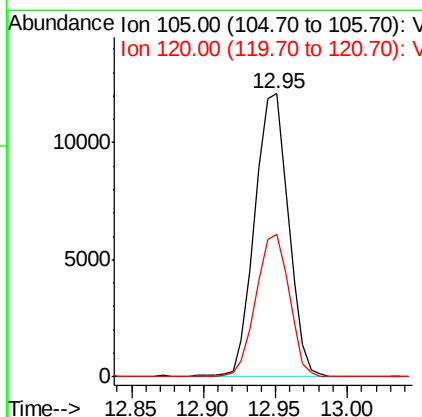
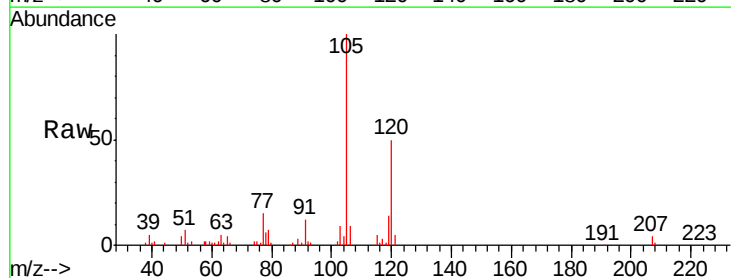
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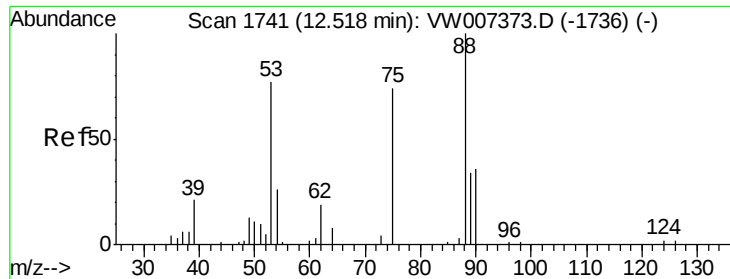
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 4.631 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion: 105 Resp: 19563
Ion Ratio Lower Upper
105 100
120 49.6 23.8 71.4





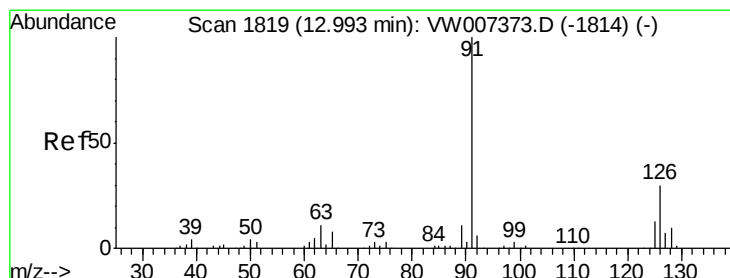
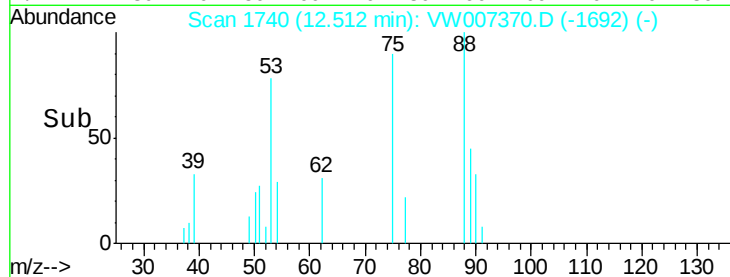
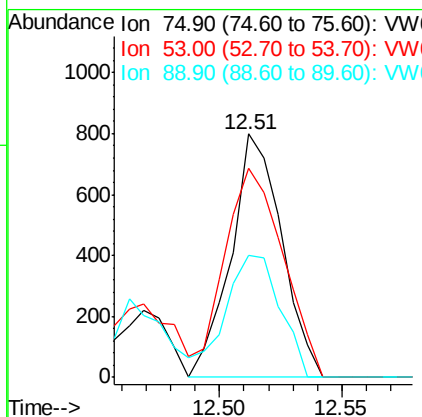
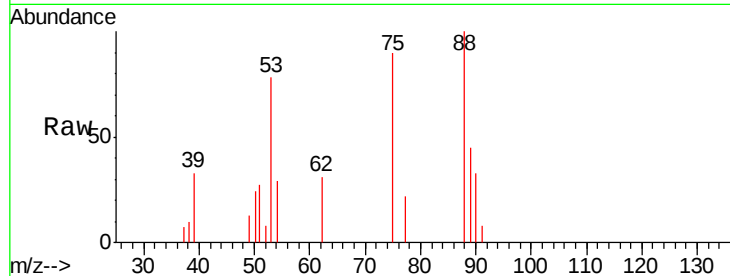
#81
trans-1,4-Dichloro-2-butene
Concen: 5.272 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1153		
53	99.2	84.9	127.3	
89	54.1	40.3	60.5	

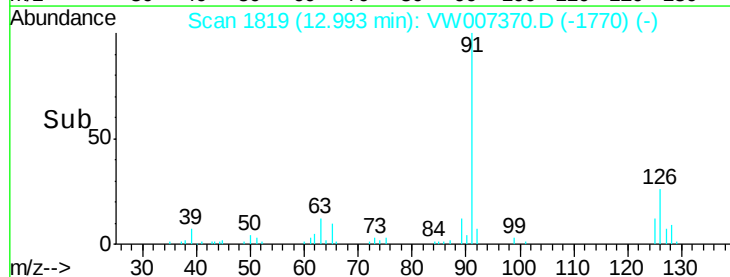
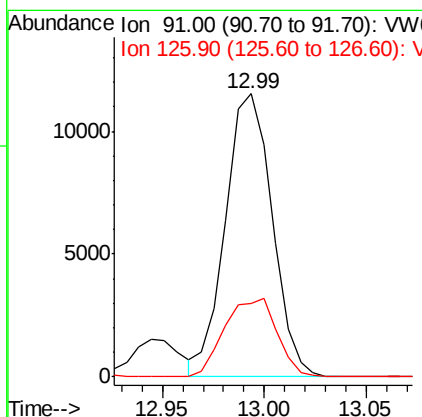
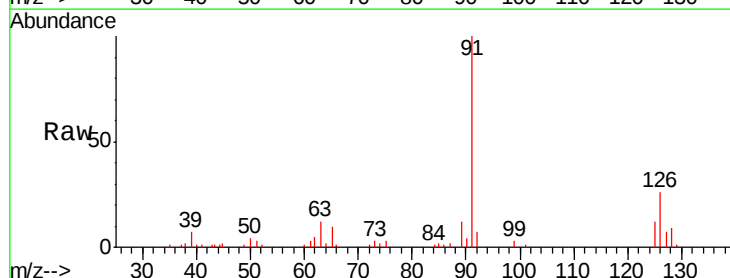
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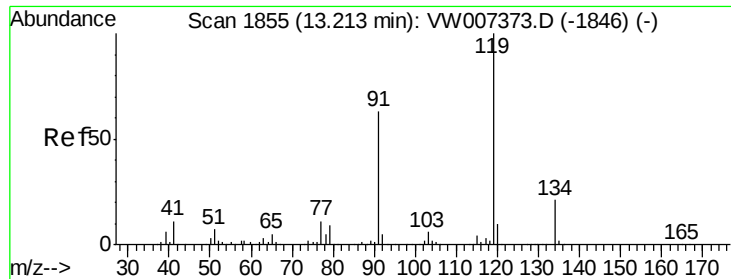
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.133 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	18360		
126	31.2	16.0	48.0	





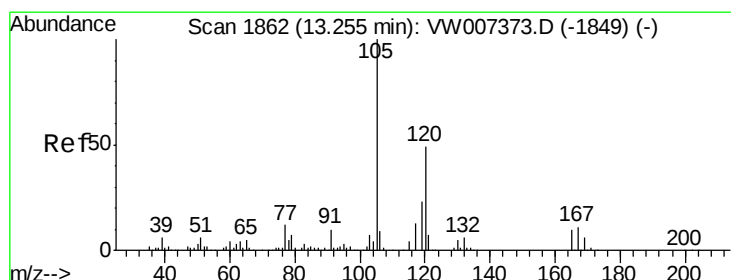
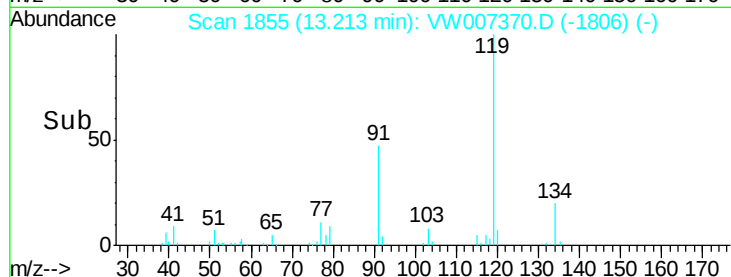
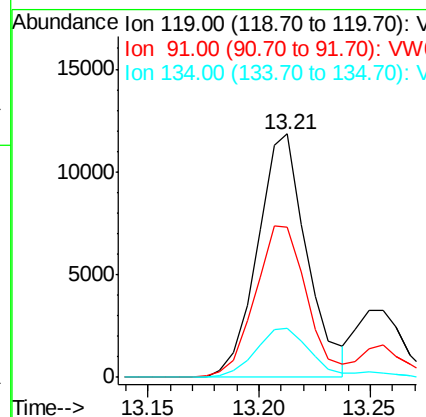
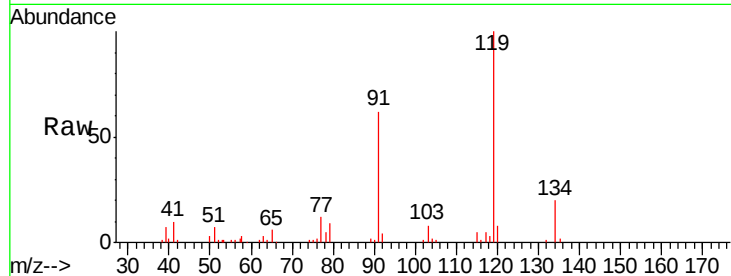
#83
tert-Butylbenzene
Concen: 4.904 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	18287		
91	64.8	33.1	99.2	
134	23.5	12.5	37.5	

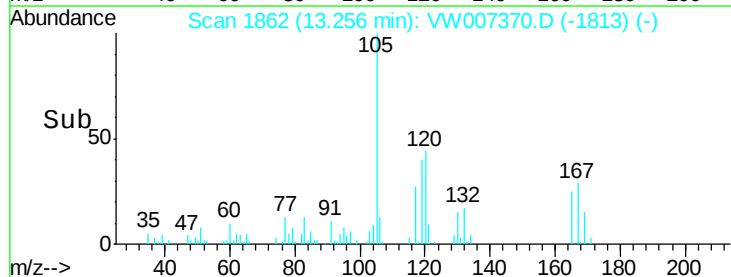
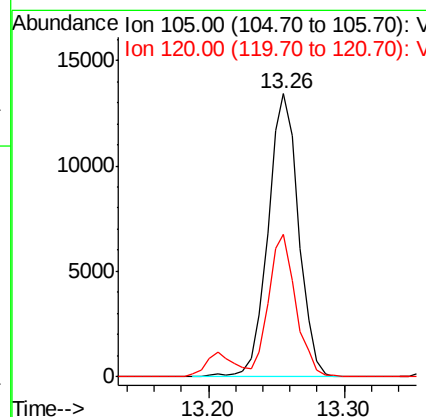
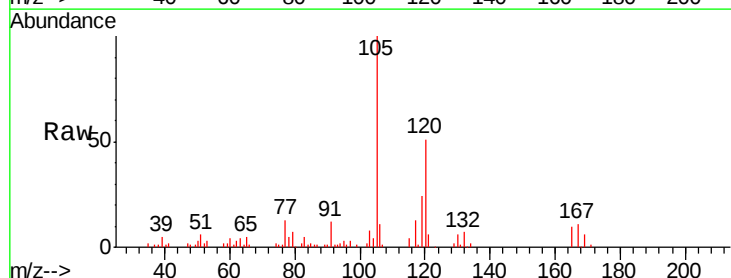
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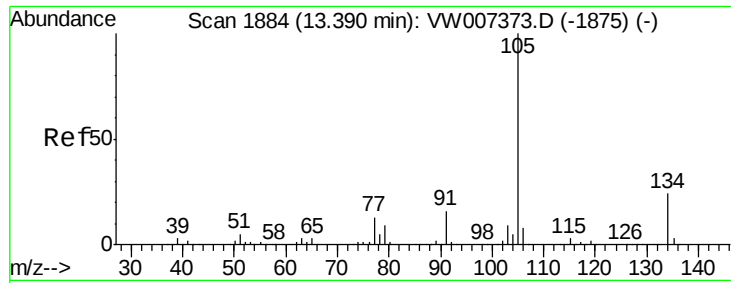
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.867 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	21038		
120	45.1	22.6	67.7	





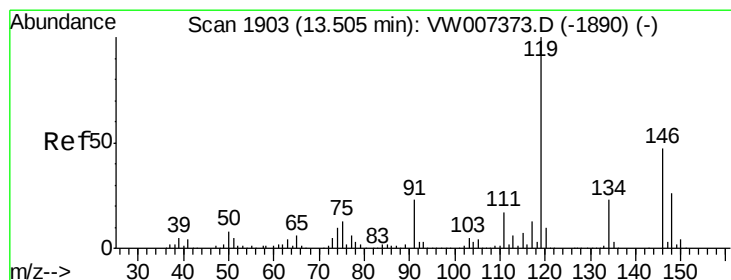
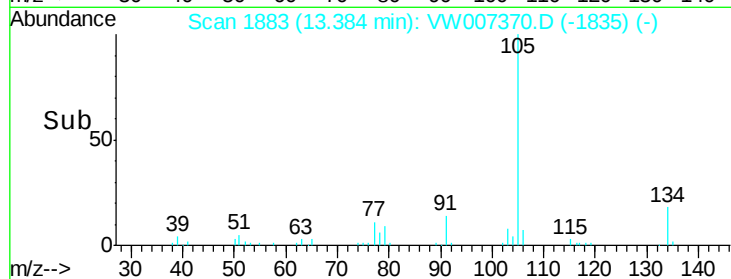
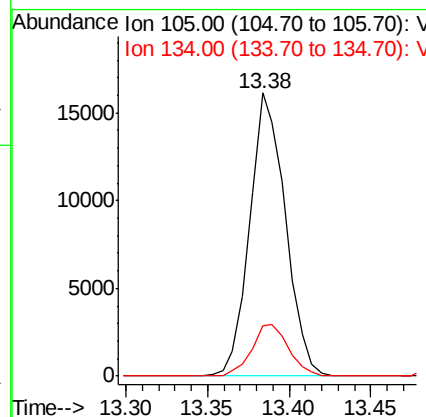
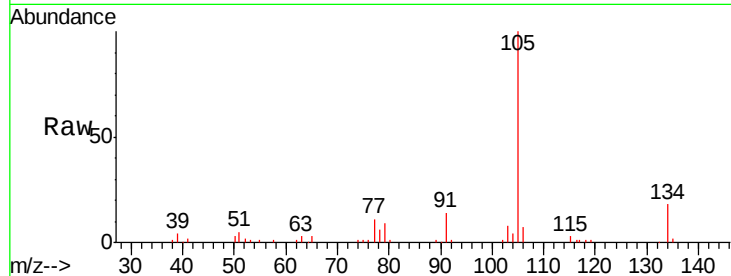
#85
 sec-Butylbenzene
 Concen: 4.673 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 24563
 Ion Ratio Lower Upper
 105 100
 134 18.8 11.1 33.3

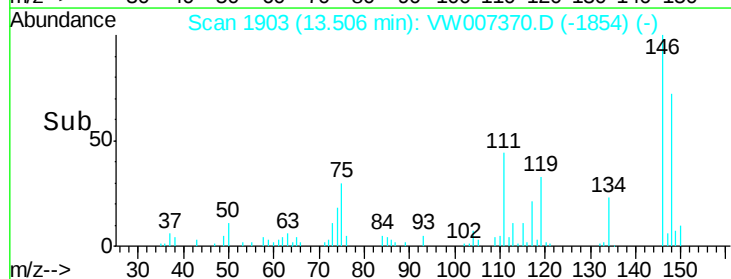
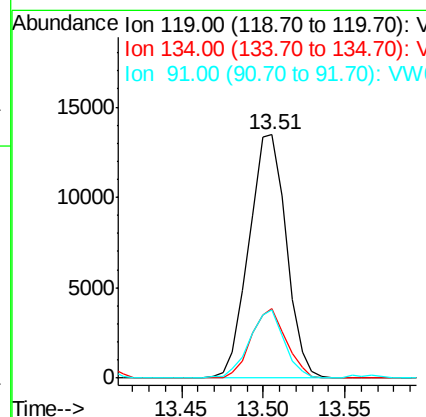
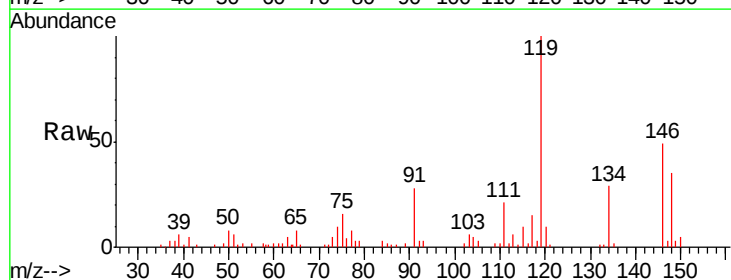
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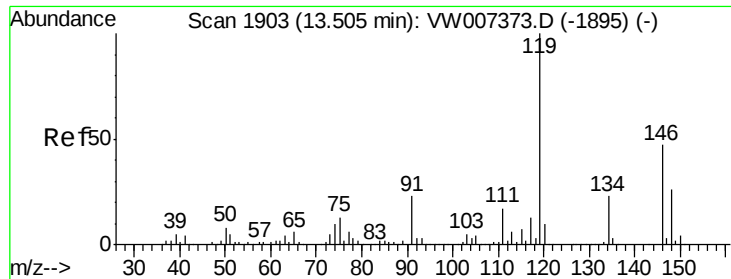
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#86
 p-Isopropyltoluene
 Concen: 4.549 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Tgt Ion:119 Resp: 21502
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.7
 91 25.9 11.9 35.9





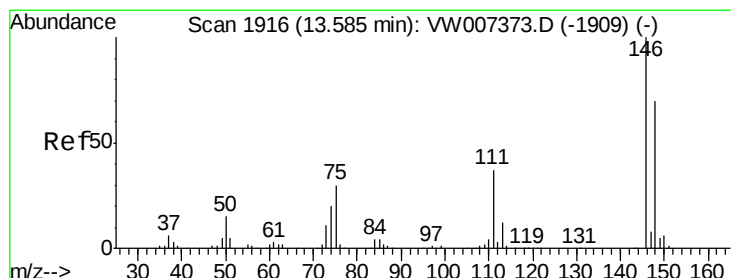
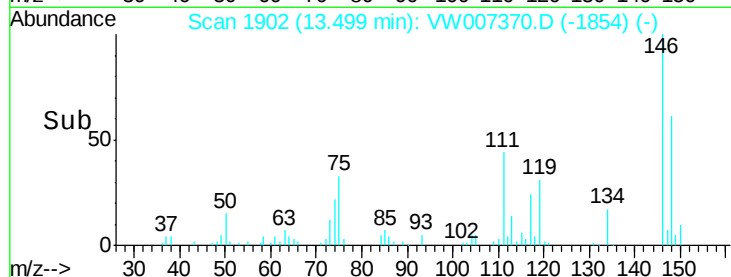
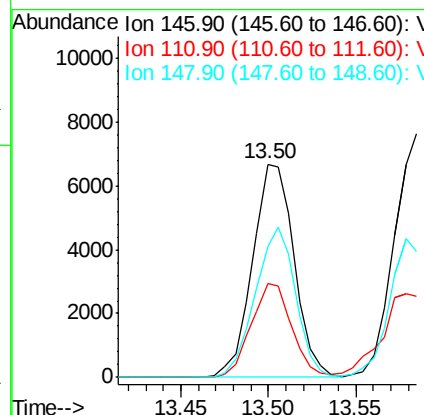
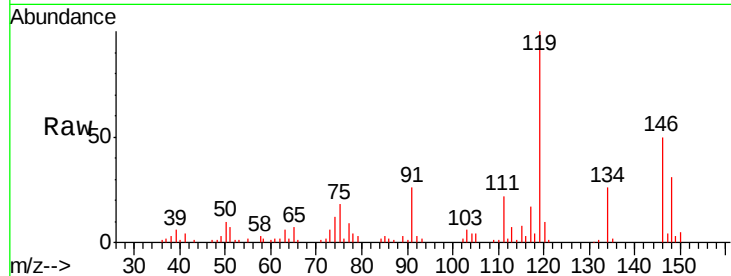
#87
 1,3-Dichlorobenzene
 Concen: 4.972 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.1	60.3
148	68.5	31.4	94.0

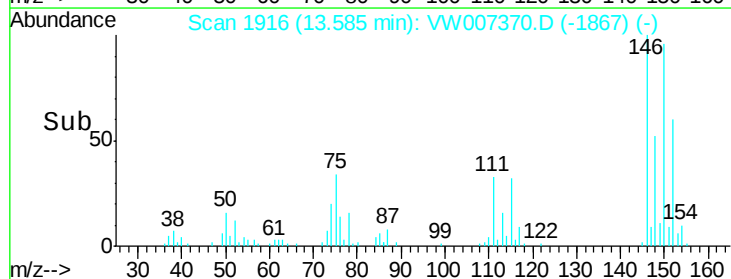
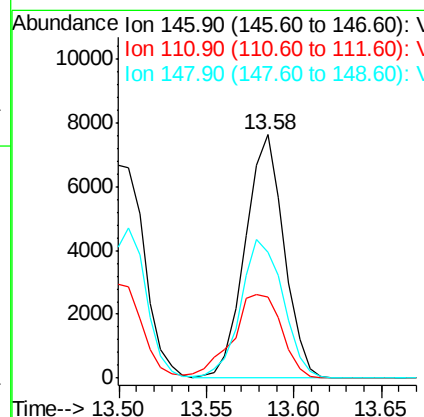
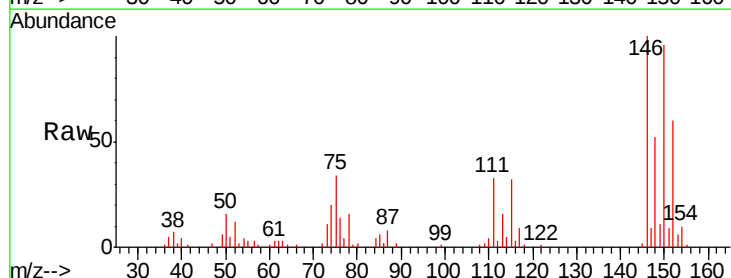
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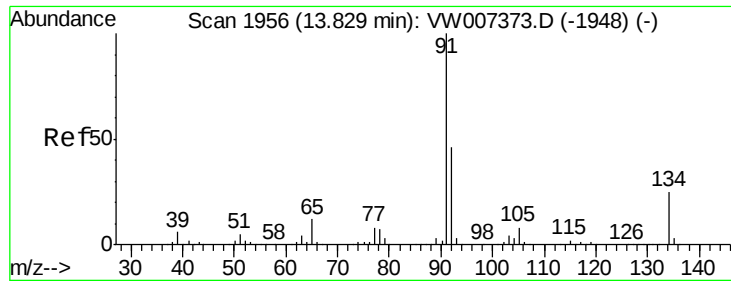
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#88
 1,4-Dichlorobenzene
 Concen: 5.312 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007370.D
 Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.3	61.0
148	62.1	33.5	100.5





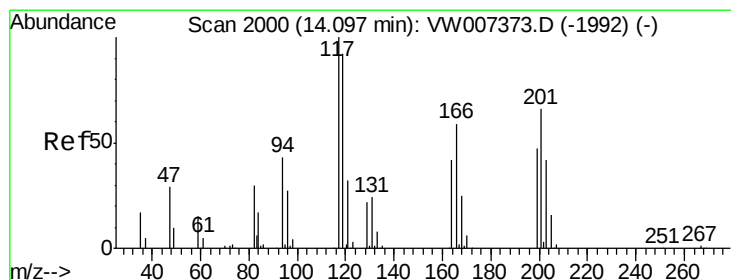
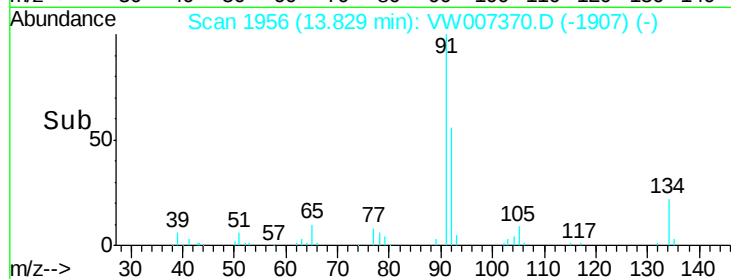
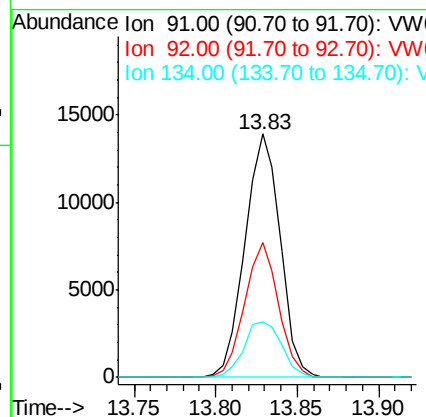
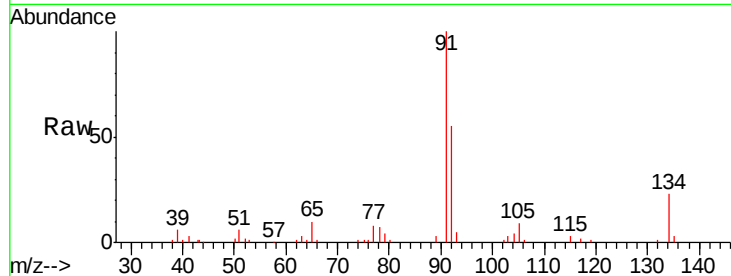
#89
n-Butylbenzene
Concen: 4.765 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 20929
Ion Ratio Lower Upper
91 100
92 53.2 25.7 77.1
134 24.5 13.4 40.2

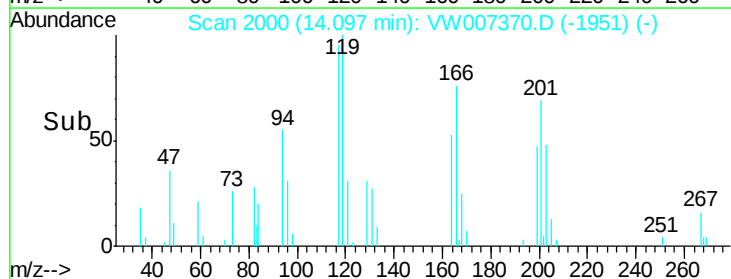
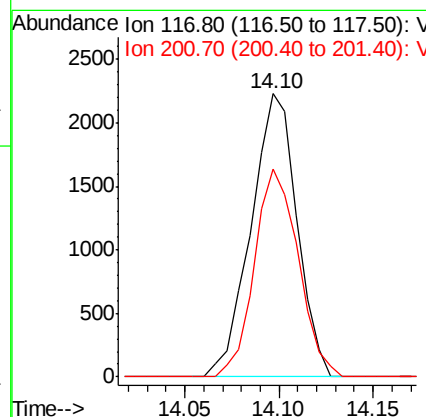
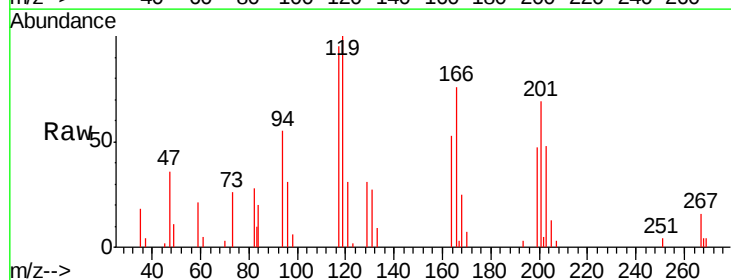
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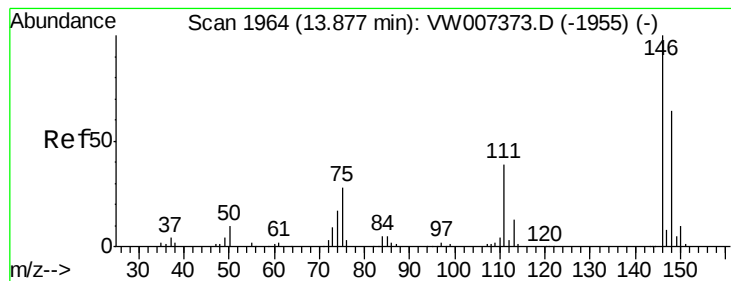
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#90
Hexachloroethane
Concen: 5.163 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion: 117 Resp: 3759
Ion Ratio Lower Upper
117 100
201 70.1 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 5.377 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Instrument :

MSVOA_W

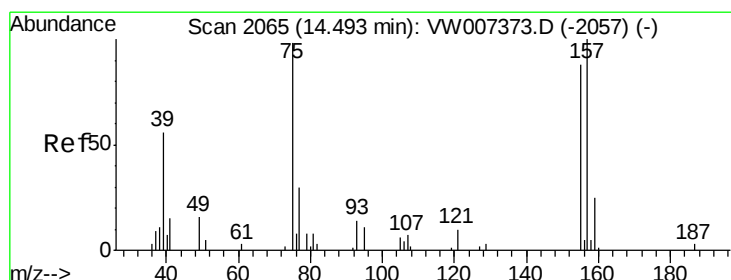
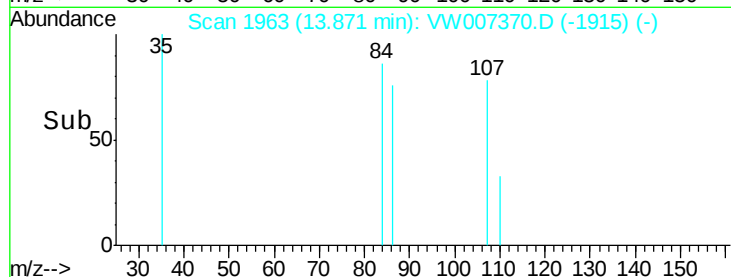
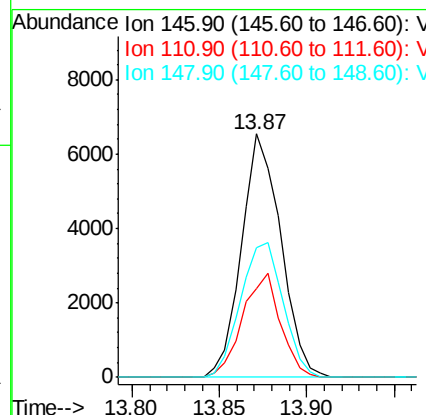
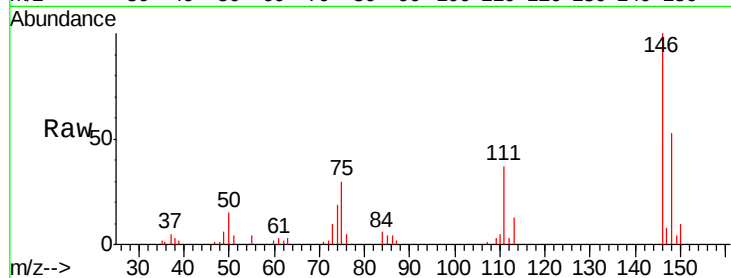
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	10227
Ion Ratio	Lower	Upper	
146	100		
111	41.2	22.4	67.2
148	60.0	32.4	97.2

Manual Integrations
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12/11/2018 4:55:22 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.303 ug/l

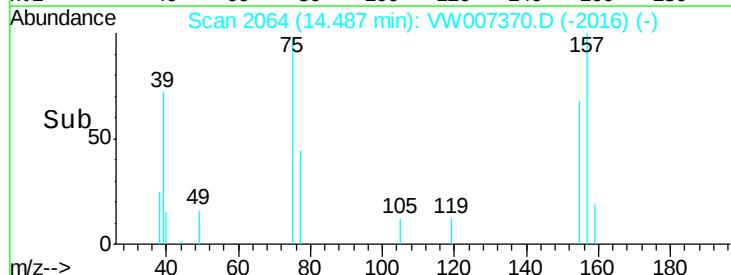
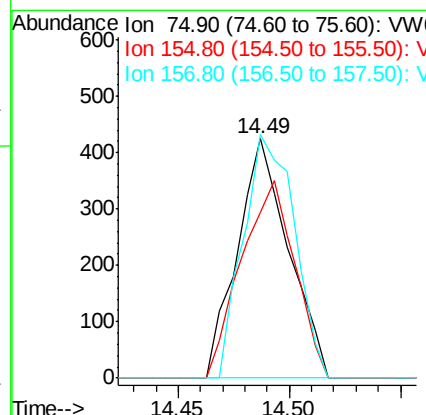
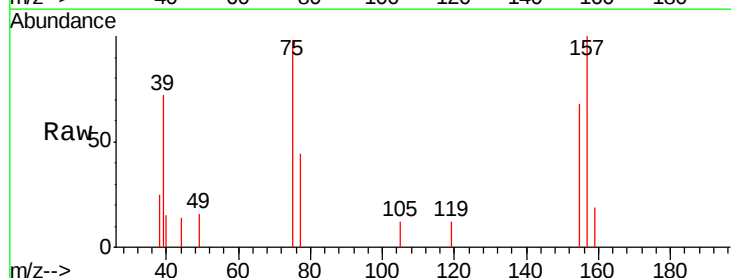
RT: 14.49 min Scan# 2064

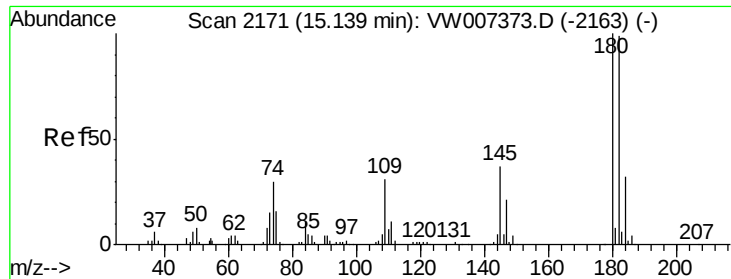
Delta R.T. -0.01 min

Lab File: VW007370.D

Acq: 10 Dec 2018 22:22

Tgt Ion:	75	Resp:	679
Ion Ratio	Lower	Upper	
75	100		
155	86.2	40.8	122.2
157	102.1	51.1	153.4





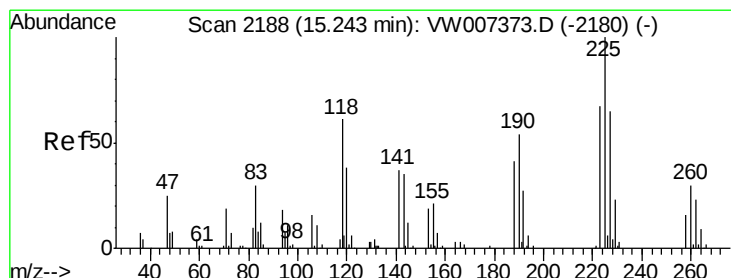
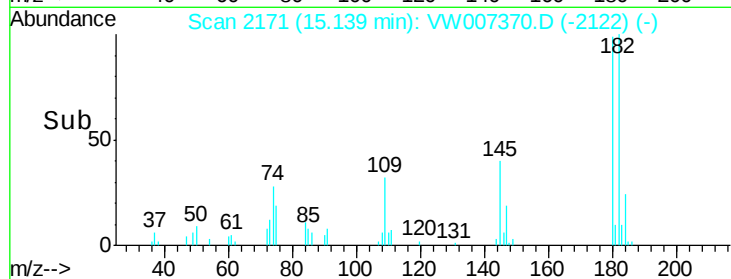
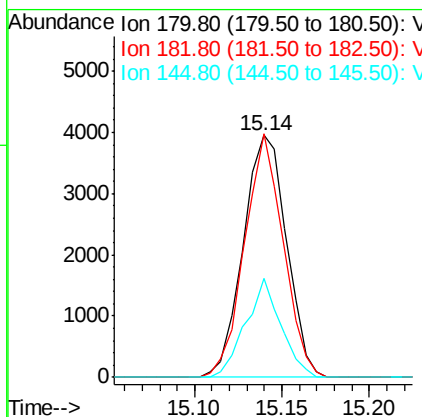
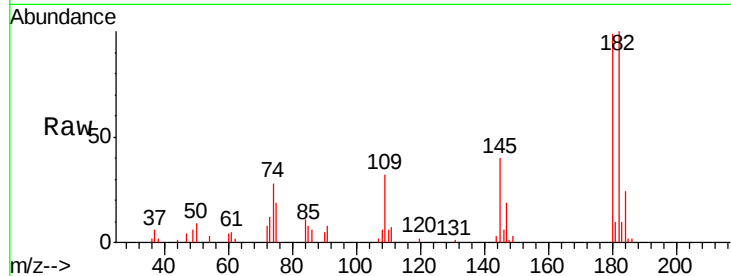
#93
1,2,4-Trichlorobenzene
Concen: 5.157 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.9	49.9	149.6
145	33.3	17.8	53.4

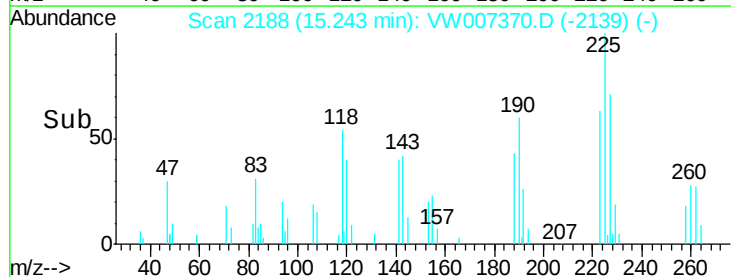
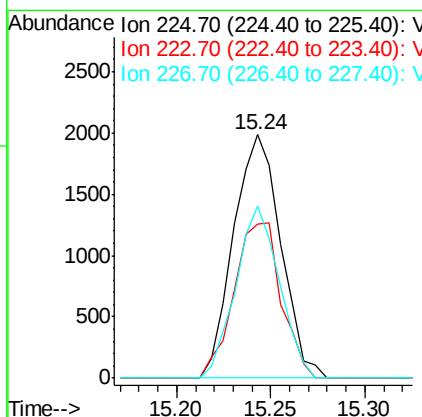
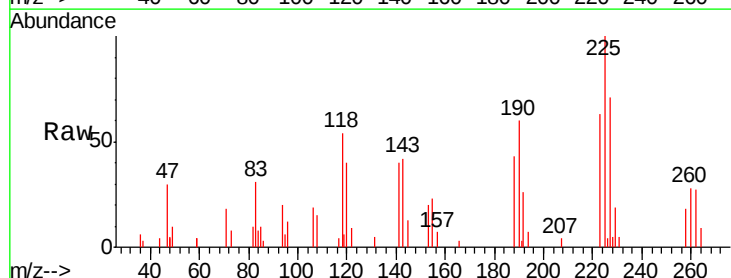
Manual Integrations
APPROVED

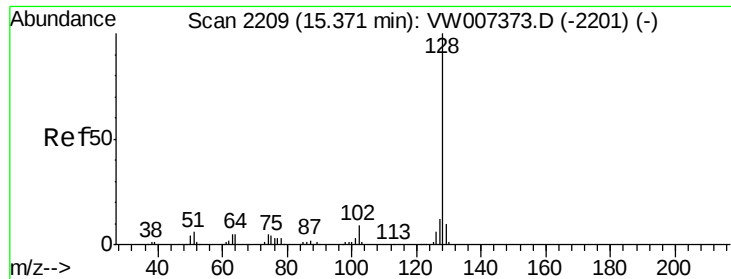
MMDadoda
12/11/2018 4:55:22 PM



#94
Hexachlorobutadiene
Concen: 4.835 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.1	96.3
227	65.1	31.9	95.9





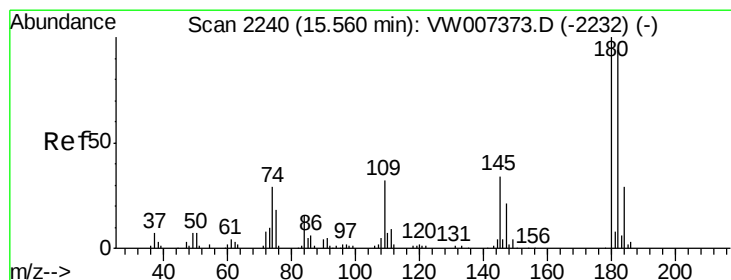
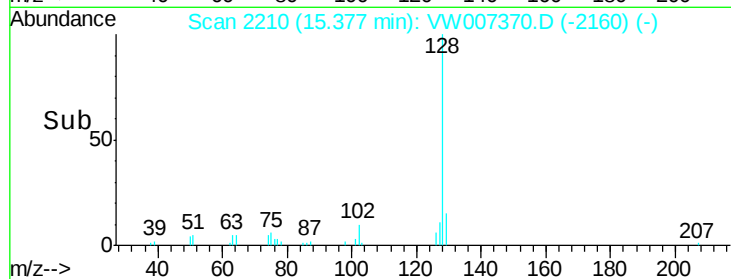
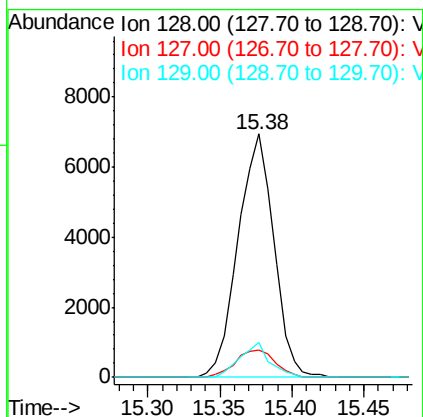
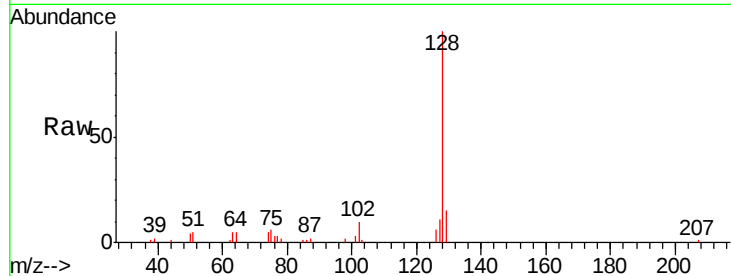
#95
Naphthalene
Concen: 5.002 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	11999		
127	12.4		10.2	15.4
129	12.0		8.3	12.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:55:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.040 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW007370.D
Acq: 10 Dec 2018 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	5689		
182	97.8		45.6	136.7
145	36.3		17.5	52.5

