

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
 Data File : VW008005.D
 Acq On : 02 Jan 2019 13:19
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:15 AM

Quant Time: Jan 03 04:51:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 04:40:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	109870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	99889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	7541	9.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.42%	
35) Dibromofluoromethane	7.88	113	6926	10.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.00%	
50) Toluene-d8	10.33	98	26082	10.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.08%	
62) 4-Bromofluorobenzene	12.62	95	9842	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	5251	8.034	ug/l	91
3) Chloromethane	2.22	50	4468	9.349	ug/l	95
4) Vinyl Chloride	2.37	62	5959	9.654	ug/l	96
5) Bromomethane	2.78	94	3875	9.882	ug/l	99
6) Chloroethane	2.93	64	2966	9.402	ug/l	98
7) Trichlorofluoromethane	3.26	101	5617	9.066	ug/l	97
8) Diethyl Ether	3.68	74	3172	9.968	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	7042	9.564	ug/l	98
10) Methyl Iodide	4.27	142	11276	9.519	ug/l	99
11) Tert butyl alcohol	5.17	59	2450	48.569	ug/l #	73
12) 1,1-Dichloroethene	4.04	96	6740	9.563	ug/l	99
13) Acrolein	3.89	56	1713	50.120	ug/l	98
14) Allyl chloride	4.67	41	9168	9.602	ug/l	98
15) Acrylonitrile	5.37	53	5571	47.596	ug/l	97
16) Acetone	4.12	43	6133	51.027	ug/l	100
17) Carbon Disulfide	4.37	76	20338	9.447	ug/l	96
18) Methyl Acetate	4.68	43	2939	9.429	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	10653	9.605	ug/l	99
20) Methylene Chloride	4.92	84	8502	10.256	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	7434	9.695	ug/l	96
22) Diisopropyl ether	6.31	45	16537	9.649	ug/l	98
23) Vinyl Acetate	6.26	43	44740	46.659	ug/l	100
24) 1,1-Dichloroethane	6.21	63	12407	9.743	ug/l	98
25) 2-Butanone	7.17	43	6841	48.309	ug/l	100
26) 2,2-Dichloropropane	7.16	77	10871	10.362	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	7979	9.768	ug/l	98
28) Bromochloromethane	7.51	49	3806	9.299	ug/l #	98
29) Tetrahydrofuran	7.53	42	4136	47.021	ug/l	96
30) Chloroform	7.68	83	13596	9.527	ug/l	94
31) Cyclohexane	7.96	56	11818	9.958	ug/l #	93
32) 1,1,1-Trichloroethane	7.88	97	13157	9.635	ug/l	99
36) 1,1-Dichloropropene	8.08	75	10532	9.717	ug/l	96
37) Ethyl Acetate	7.26	43	3139	9.642	ug/l	97
38) Carbon Tetrachloride	8.07	117	12631	9.724	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	13050	9.660	ug/l	94
40) Benzene	8.32	78	27819	9.730	ug/l	94
41) Methacrylonitrile	7.49	41	1816	9.053	ug/l	92
42) 1,2-Dichloroethane	8.40	62	9013	9.461	ug/l	100
43) Isopropyl Acetate	8.43	43	6109	9.391	ug/l	97
44) Trichloroethene	9.09	130	8468	10.036	ug/l	95
45) 1,2-Dichloropropane	9.37	63	5964	9.637	ug/l	92
46) Dibromomethane	9.46	93	3559	9.836	ug/l	100
47) Bromodichloromethane	9.65	83	9922	9.790	ug/l	96
48) Methyl methacrylate	9.44	41	2934	8.946	ug/l	94
49) 1,4-Dioxane	9.45	88	893	166.770	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	14669	48.717	ug/l	99
52) Toluene	10.39	92	18239	9.663	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	9248	9.490	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	10471	9.629	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	4752	9.700	ug/l #	89
56) Ethyl methacrylate	10.65	69	5009	9.044	ug/l	99
57) 1,3-Dichloropropane	10.93	76	8307	9.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	12559	47.814	ug/l	98
59) 2-Hexanone	10.97	43	10026	48.232	ug/l	96
60) Dibromochloromethane	11.13	129	6141	9.157	ug/l	100
61) 1,2-Dibromoethane	11.23	107	4733	9.654	ug/l	98
64) Tetrachloroethene	10.87	164	6620	9.594	ug/l	96
65) Chlorobenzene	11.66	112	21063	9.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	7518	9.725	ug/l	98
67) Ethyl Benzene	11.73	91	36201	9.554	ug/l	99
68) m/p-Xylenes	11.84	106	28638	19.549	ug/l	99
69) o-Xylene	12.17	106	13216	9.695	ug/l	99
70) Styrene	12.18	104	21210	9.546	ug/l	99
71) Bromoform	12.35	173	3365	9.395	ug/l #	97
73) Isopropylbenzene	12.47	105	38864	9.657	ug/l	99
74) N-amyl acetate	12.27	43	5704	9.106	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	5021	9.806	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	3208m	4.551	ug/l	
77) Bromobenzene	12.75	156	8186	9.464	ug/l	98
78) n-propylbenzene	12.81	91	44437	9.524	ug/l	100
79) 2-Chlorotoluene	12.90	91	25519	9.463	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	32806	9.471	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	1530	8.987	ug/l	93
82) 4-Chlorotoluene	12.99	91	27641	9.640	ug/l	98
83) tert-Butylbenzene	13.21	119	28662	9.457	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	33612	9.580	ug/l	98
85) sec-Butylbenzene	13.39	105	40174	9.636	ug/l	96
86) p-Isopropyltoluene	13.51	119	35750	9.507	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	17398	9.969	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	17129	9.913	ug/l	96
89) n-Butylbenzene	13.83	91	32831	9.545	ug/l	99
90) Hexachloroethane	14.10	117	6491	9.948	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	14886	9.706	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1011	9.728	ug/l	89

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QLast Update : Thu Jan 03 04:40:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	10588	9.830	ug/l	98
94) Hexachlorobutadiene	15.24	225	6059	9.742	ug/l	98
95) Naphthalene	15.38	128	16841	9.180	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	8089	9.127	ug/l	94

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

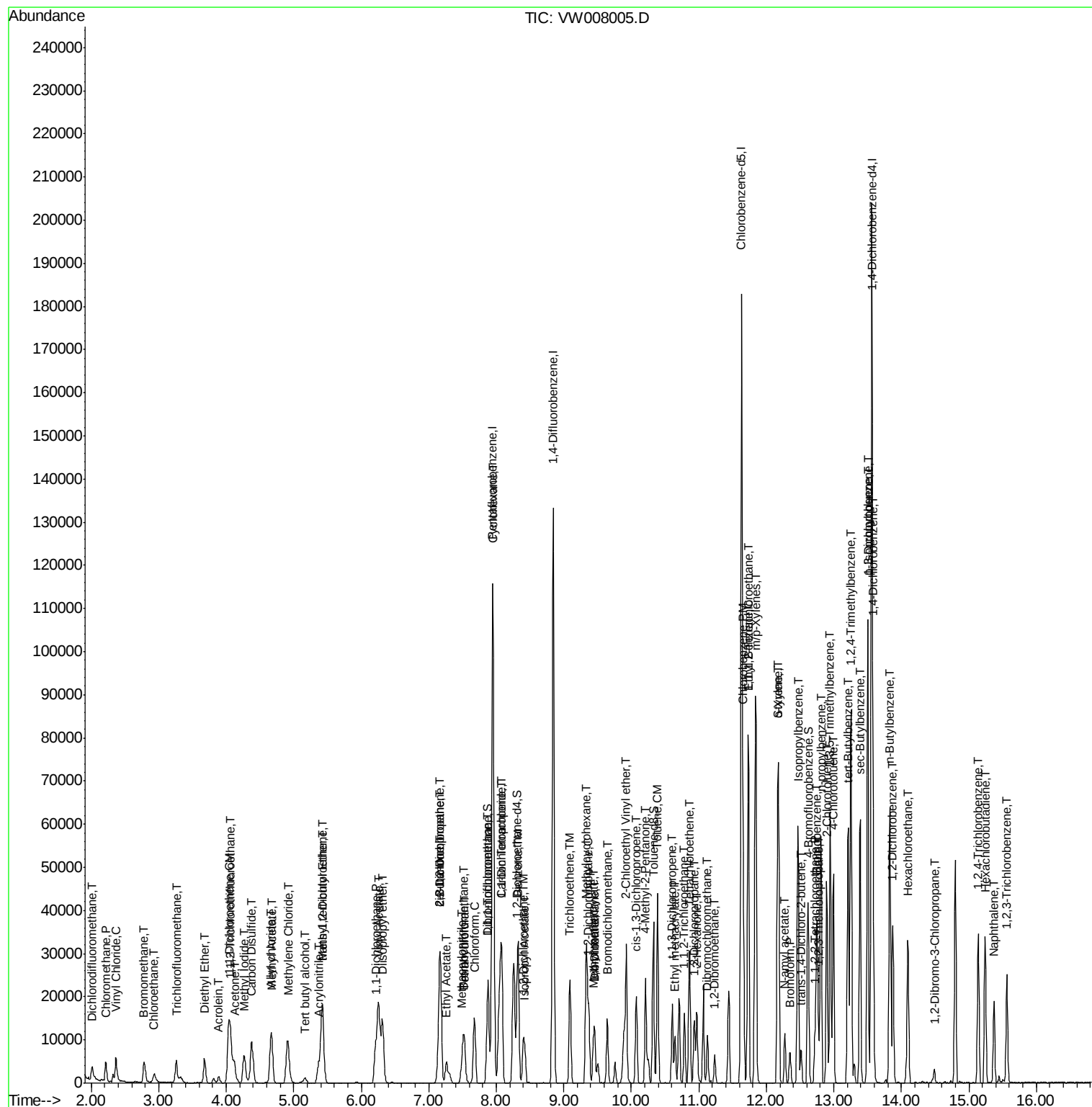
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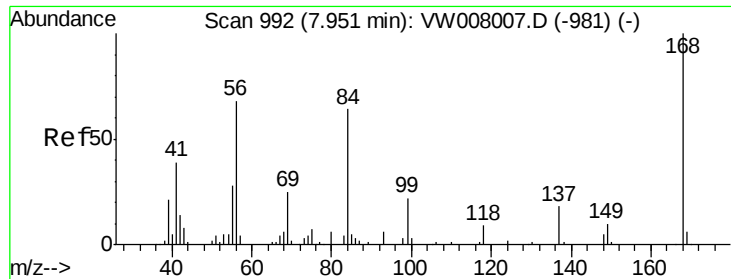
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:168 Resp: 70199

Ion Ratio Lower Upper

168 100

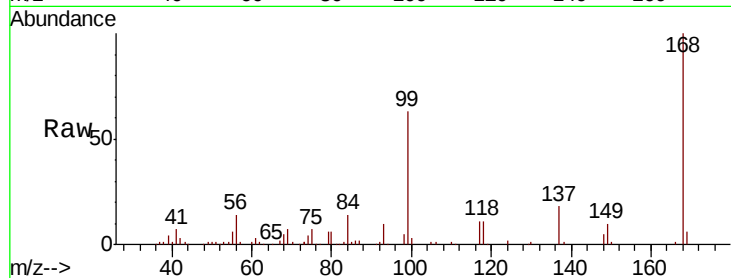
99 63.2 51.6 77.4

Manual Integrations

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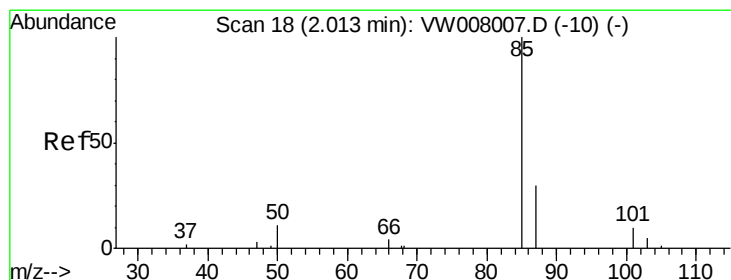
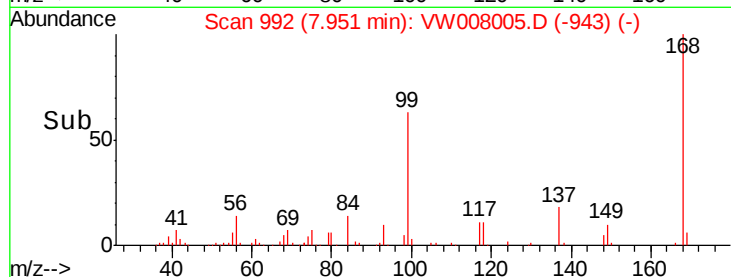
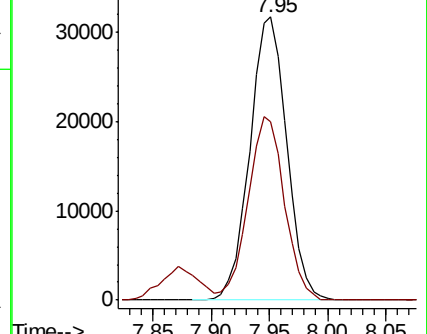
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 8.034 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008005.D

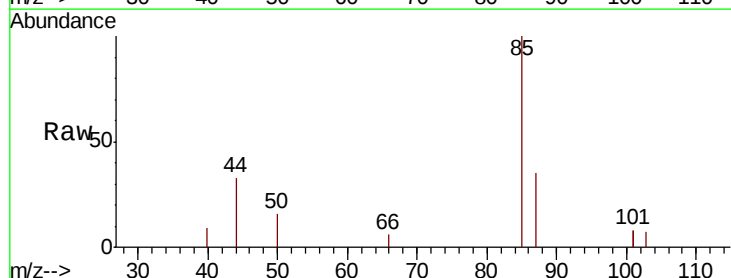
Acq: 02 Jan 2019 13:19

Tgt Ion: 85 Resp: 5251

Ion Ratio Lower Upper

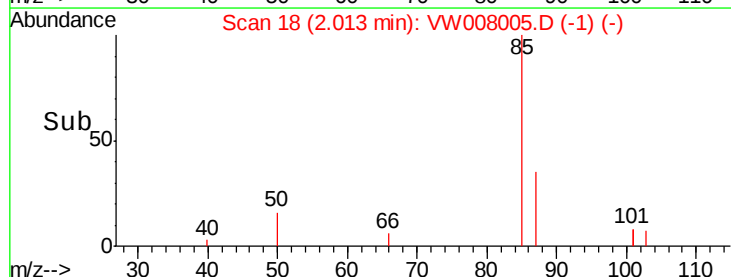
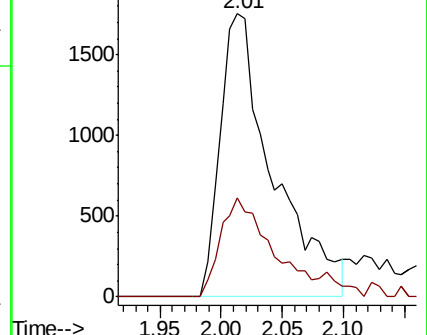
85 100

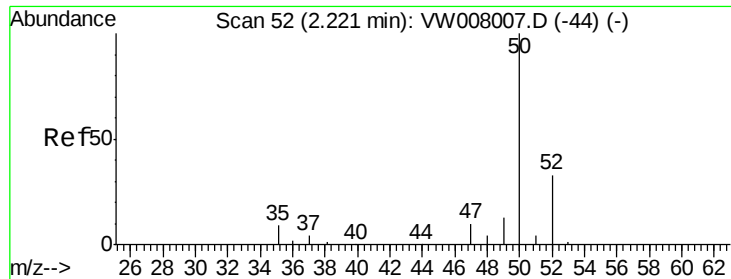
87 35.0 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 9.349 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 50 Resp: 4468

Ion Ratio Lower Upper

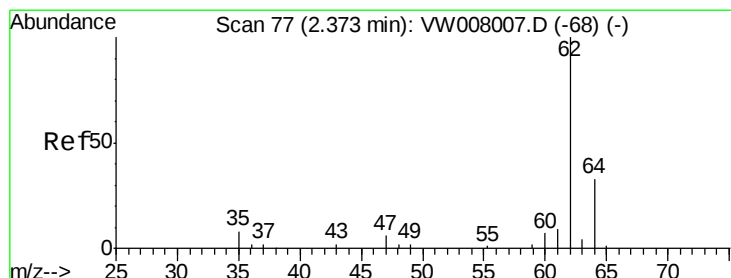
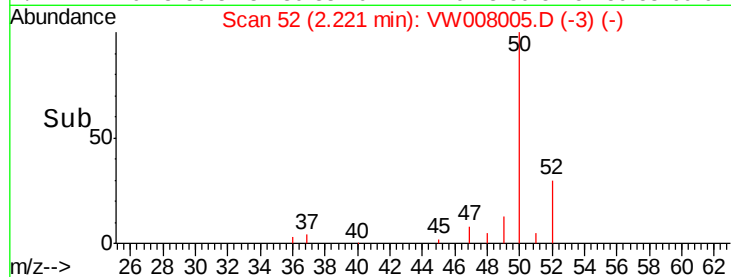
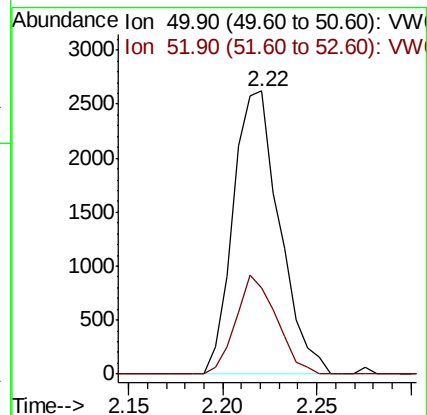
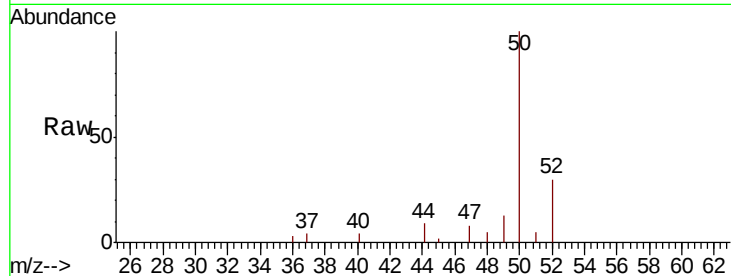
50 100

52 30.4 26.8 40.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 9.654 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008005.D

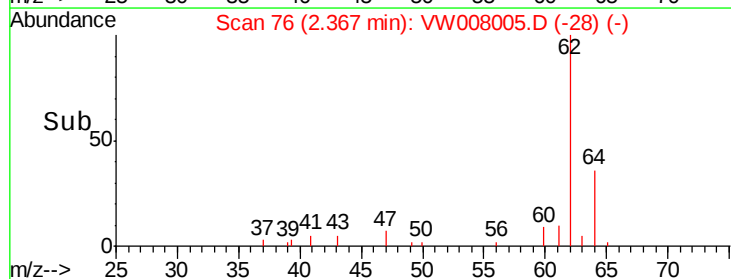
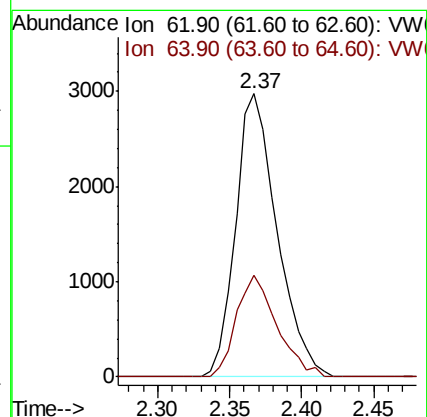
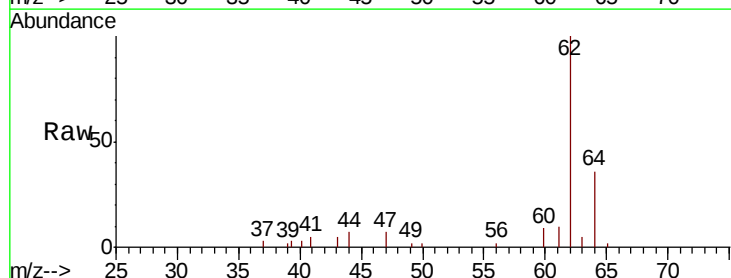
Acq: 02 Jan 2019 13:19

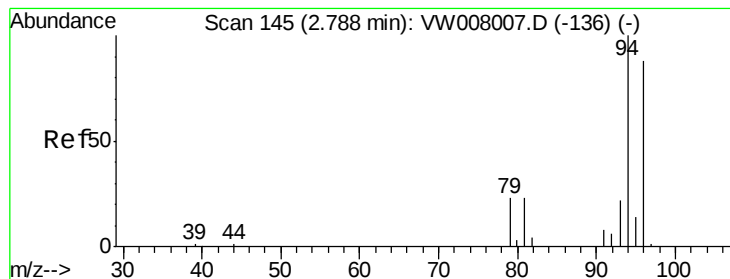
Tgt Ion: 62 Resp: 5959

Ion Ratio Lower Upper

62 100

64 35.8 26.8 40.2





#5

Bromomethane

Concen: 9.882 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 94 Resp: 3875

Ion Ratio Lower Upper

94 100

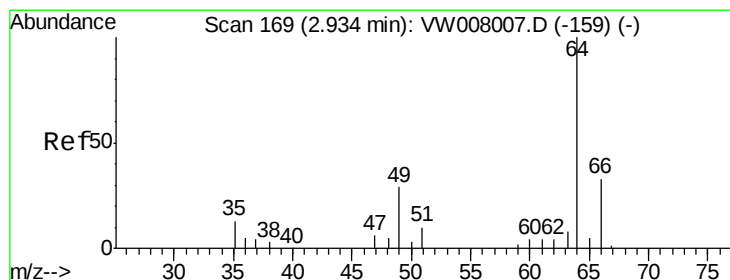
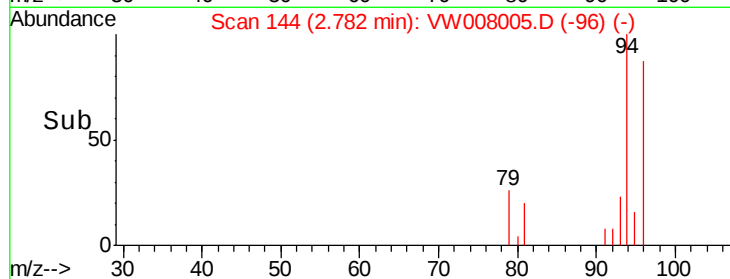
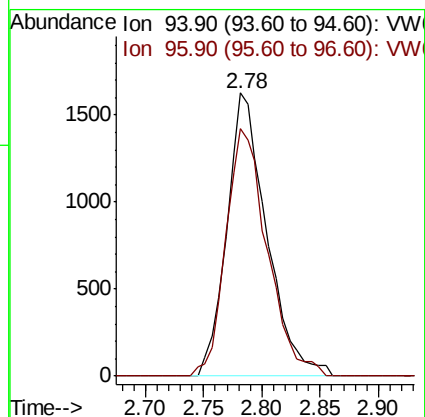
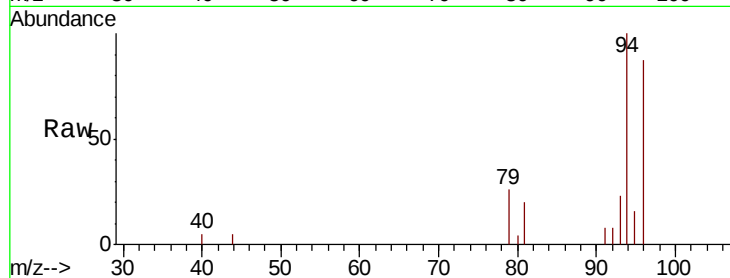
96 87.4 70.7 106.1

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#6

Chloroethane

Concen: 9.402 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008005.D

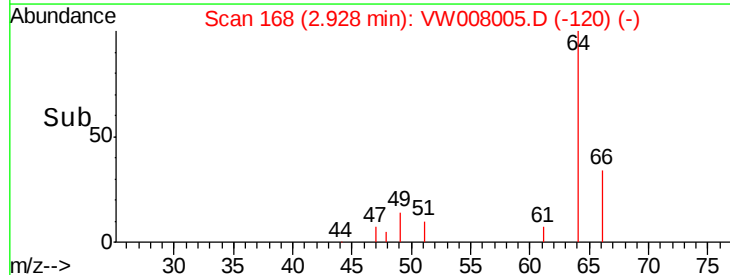
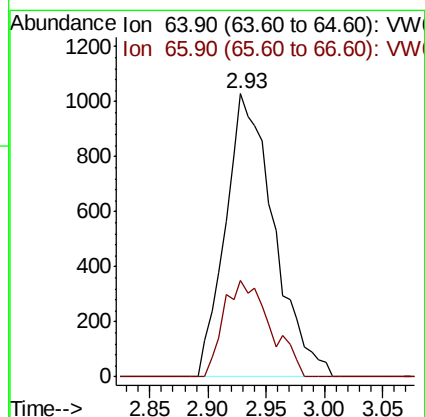
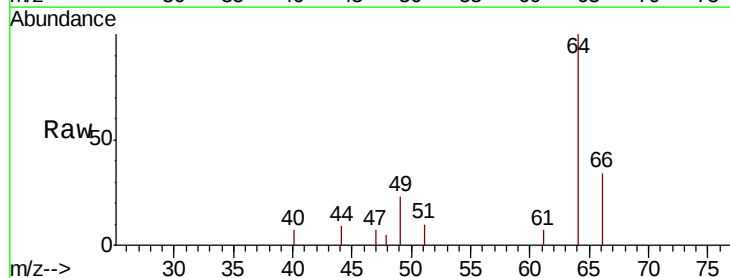
Acq: 02 Jan 2019 13:19

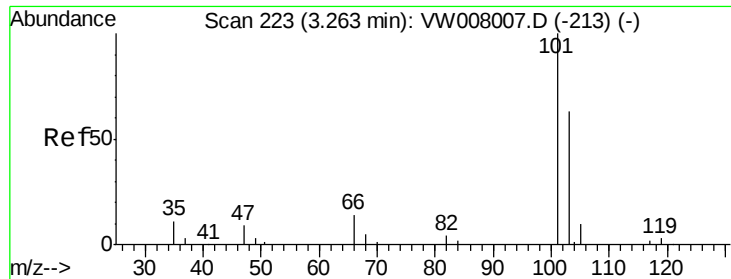
Tgt Ion: 64 Resp: 2966

Ion Ratio Lower Upper

64 100

66 34.2 26.6 39.8





#7

Trichlorofluoromethane

Concen: 9.066 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:101 Resp: 5617

Ion Ratio Lower Upper

101 100

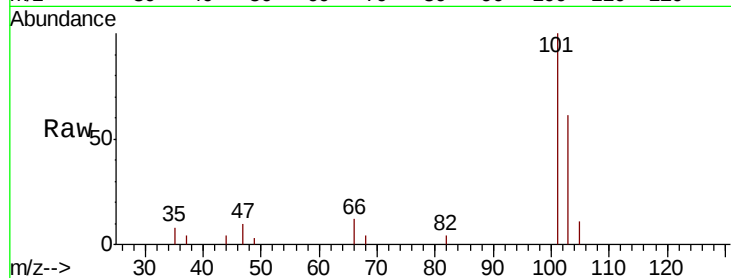
103 60.8 50.5 75.7

Manual Integrations

APPROVED

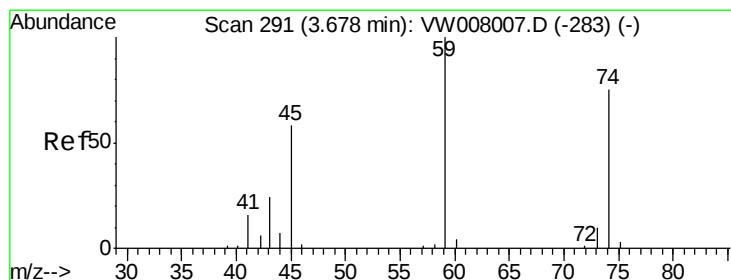
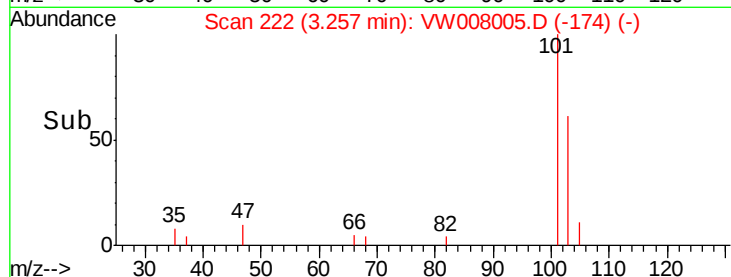
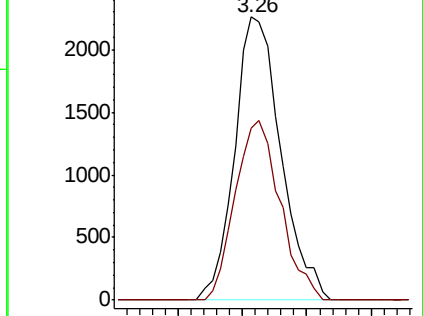
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1/3/2019 10:55:15 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 9.968 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW008005.D

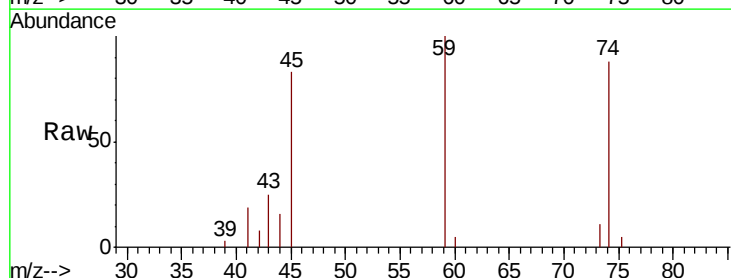
Acq: 02 Jan 2019 13:19

Tgt Ion: 74 Resp: 3172

Ion Ratio Lower Upper

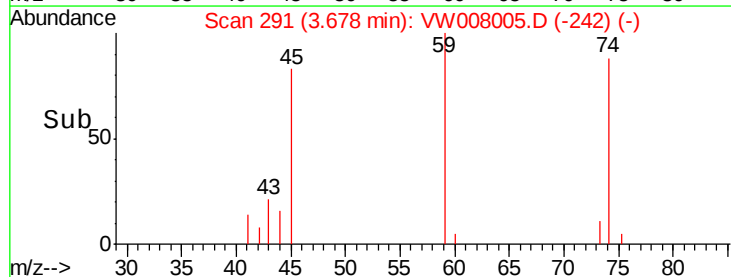
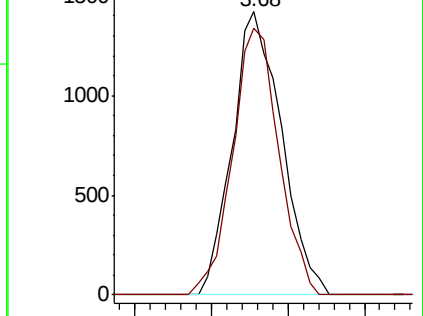
74 100

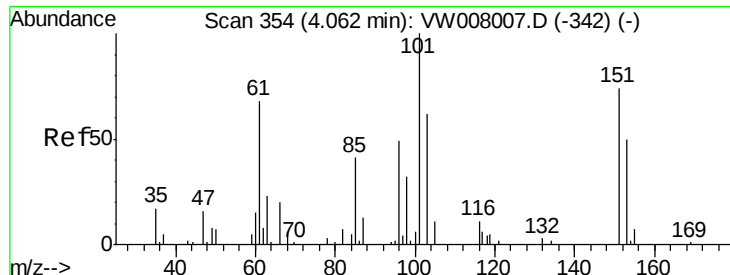
45 88.5 41.4 124.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.564 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

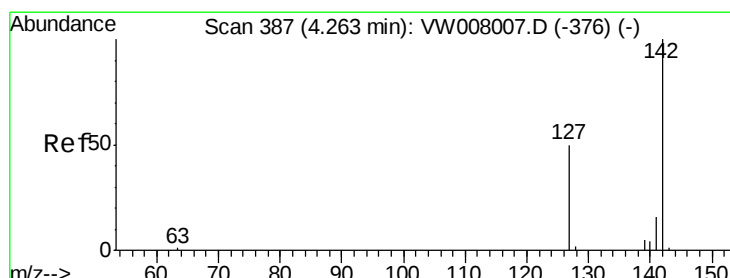
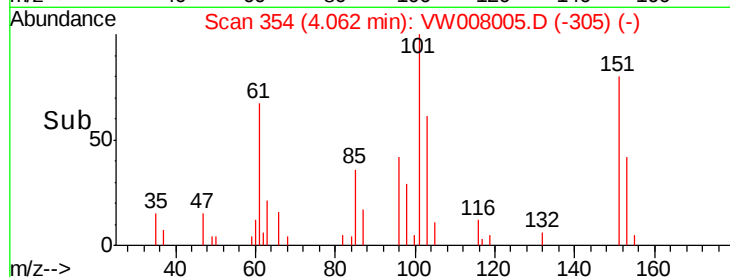
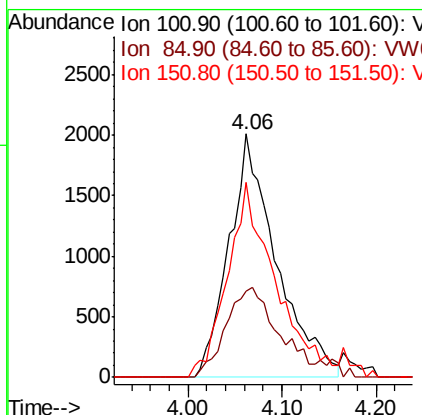
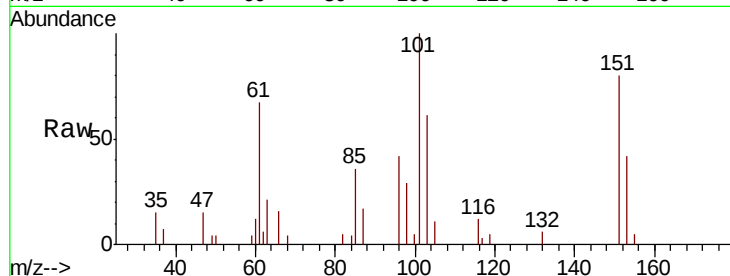
ClientSampled :

VSTDIC010

Tot Ion:	101	Resp:	7042
Ion Ratio	Lower	Upper	
101	100		
85	40.9	35.1	52.7
151	80.5	65.3	97.9

Manual Integrations
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1/3/2019 10:55:15 AM



#10

Methyl Iodide

Concen: 9.519 ug/l

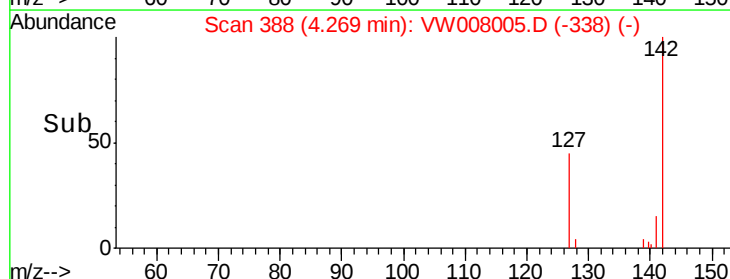
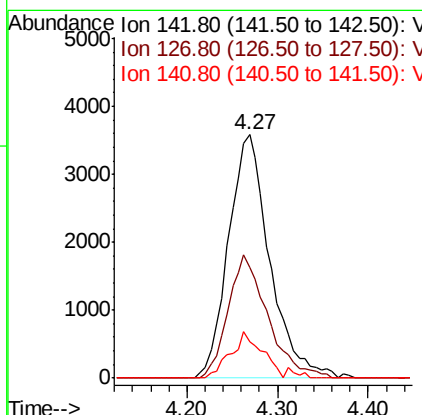
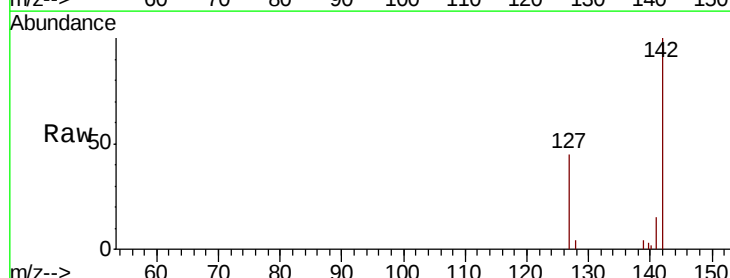
RT: 4.27 min Scan# 388

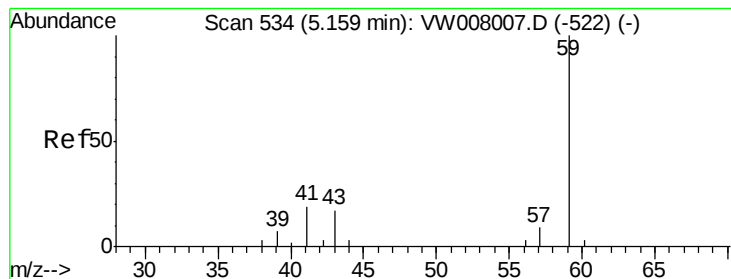
Delta R.T. 0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion:	142	Resp:	11276
Ion Ratio	Lower	Upper	
142	100		
127	48.7	39.4	59.0
141	14.4	12.1	18.1





#11

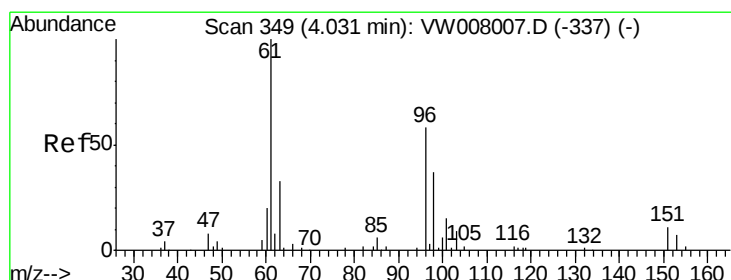
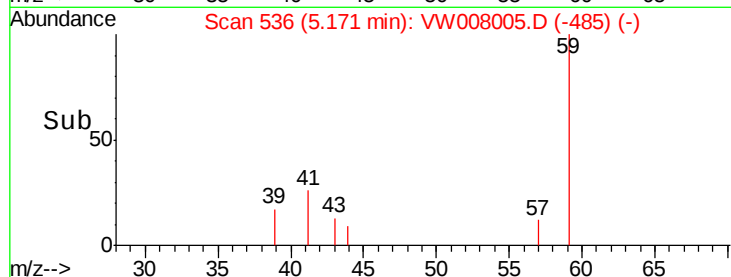
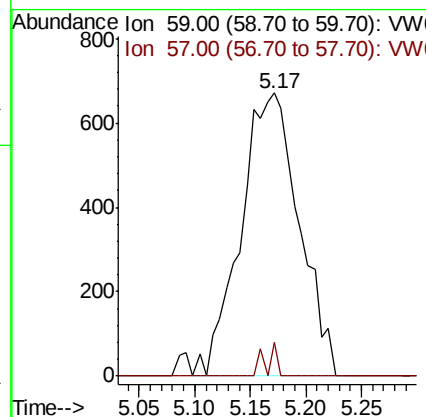
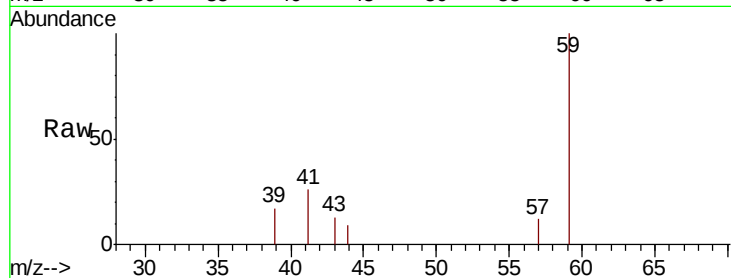
Tert butyl alcohol
 Concen: 48.569 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	1.0	9.0	13.4#

Manual Integrations
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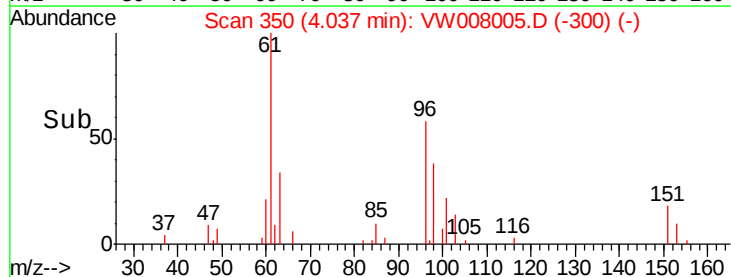
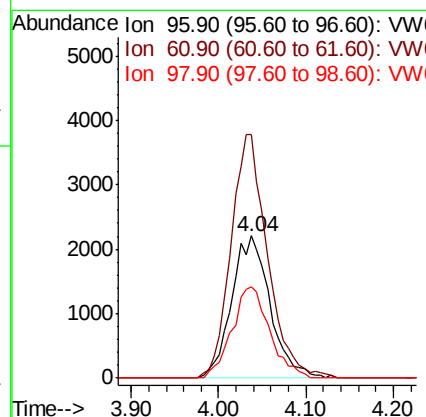
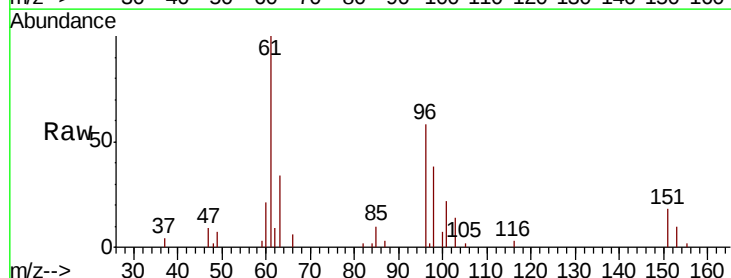
MMDadoda
 1/3/2019 10:55:15 AM

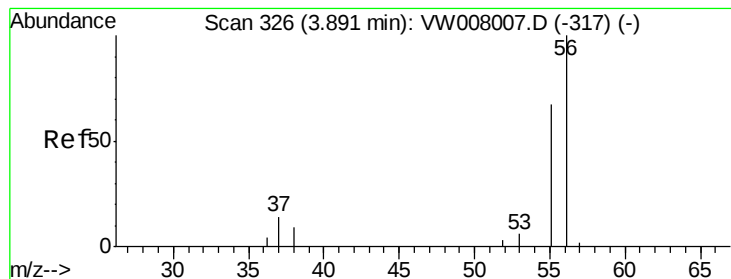


#12

1,1-Dichloroethene
 Concen: 9.563 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.1	137.3	205.9
98	64.3	50.5	75.7





#13

Acrolein

Concen: 50.120 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 1713

Ion Ratio Lower Upper

56 100

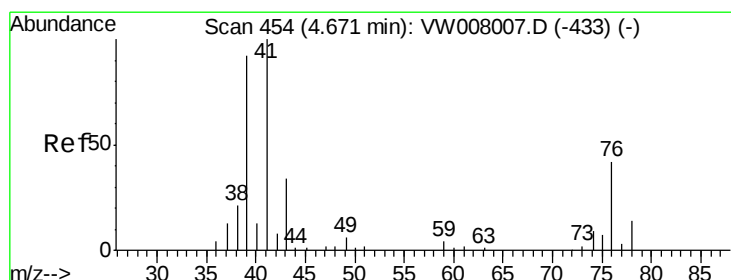
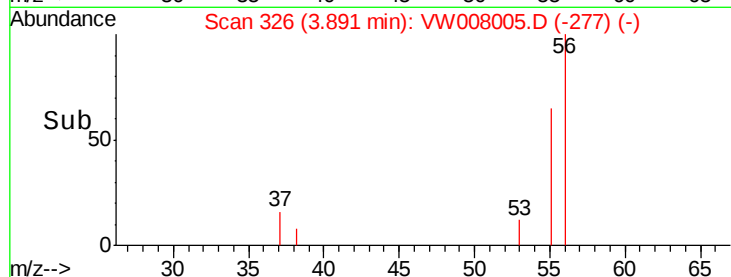
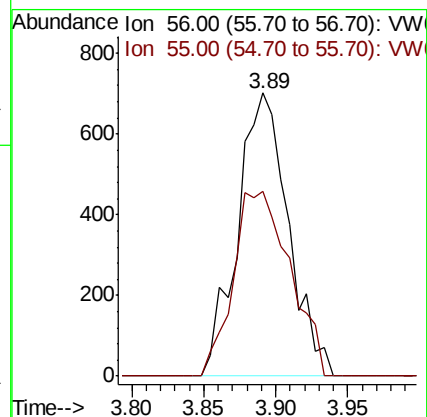
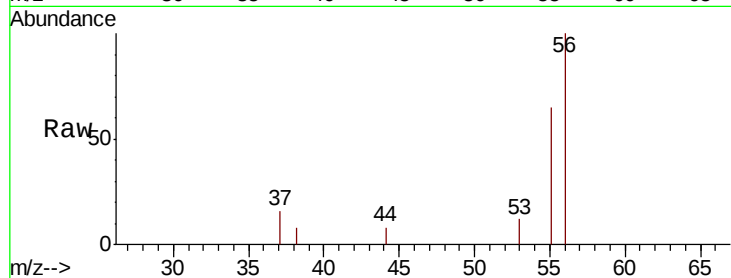
55 73.5 57.3 85.9

Manual Integrations

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MMDadoda

1/3/2019 10:55:15 AM



#14

Allyl chloride

Concen: 9.602 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

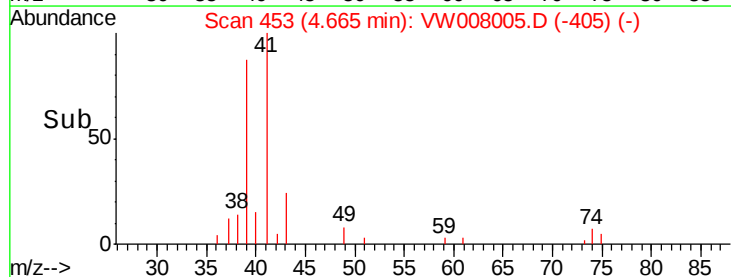
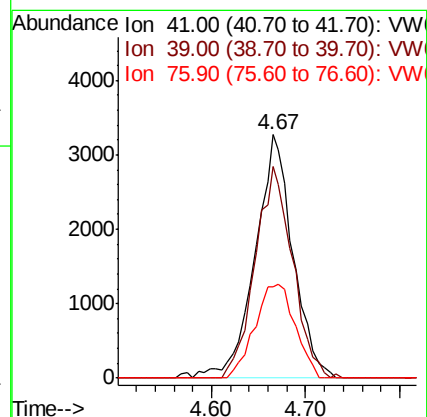
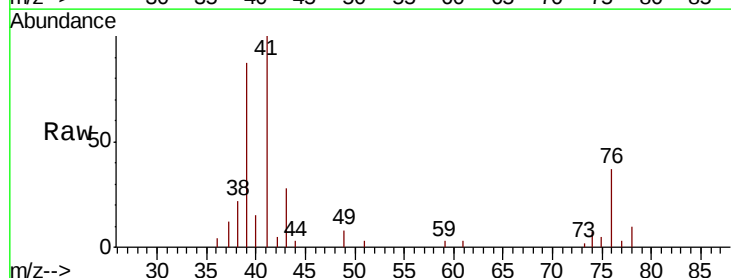
Tgt Ion: 41 Resp: 9168

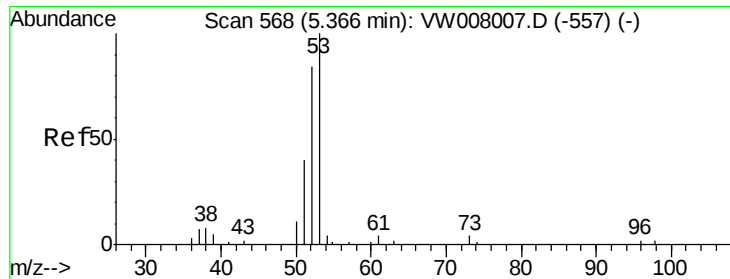
Ion Ratio Lower Upper

41 100

39 86.4 71.1 106.7

76 41.1 33.4 50.2





#15

Acrylonitrile

Concen: 47.596 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

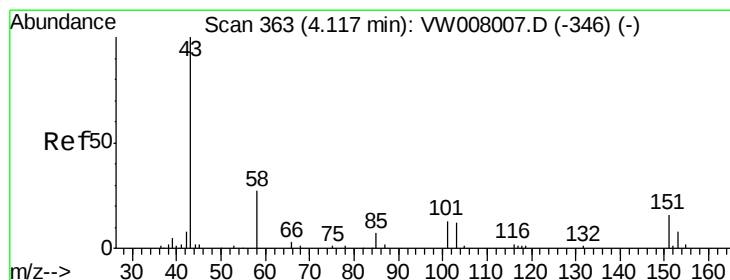
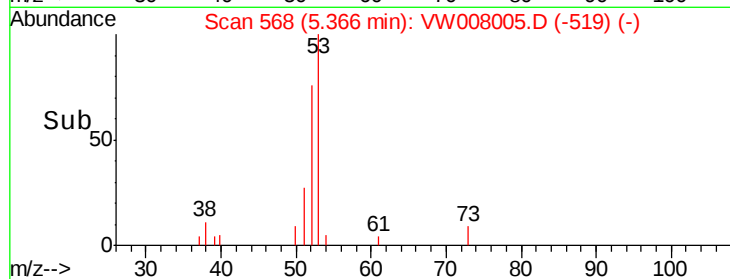
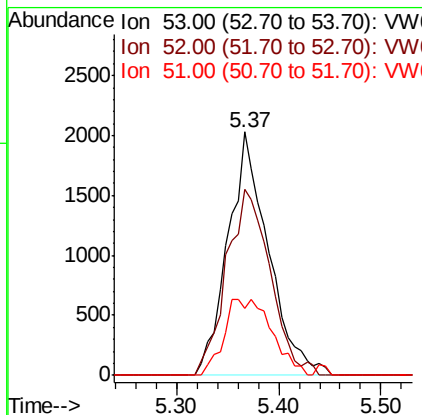
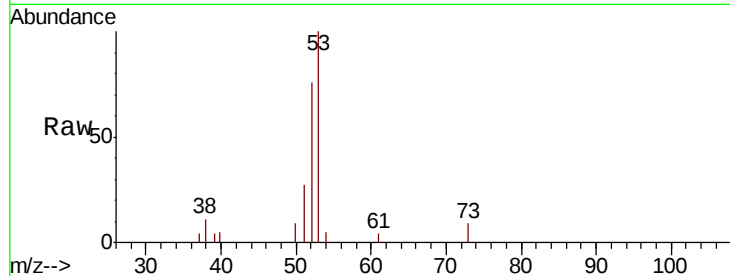
ClientSampled :

VSTDIC010

Tot Ion:	53	Resp:	5571
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.8	101.8
51	36.8	31.5	47.3

Manual Integrations
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#16

Acetone

Concen: 51.027 ug/l

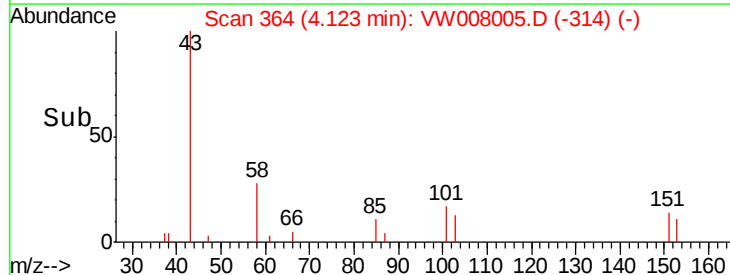
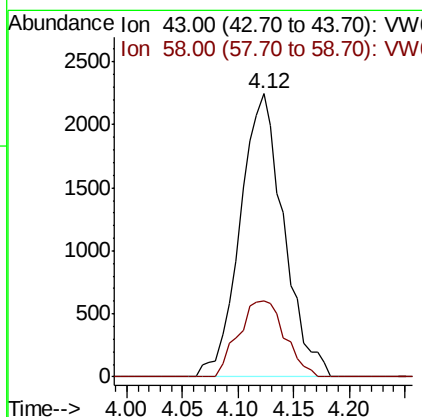
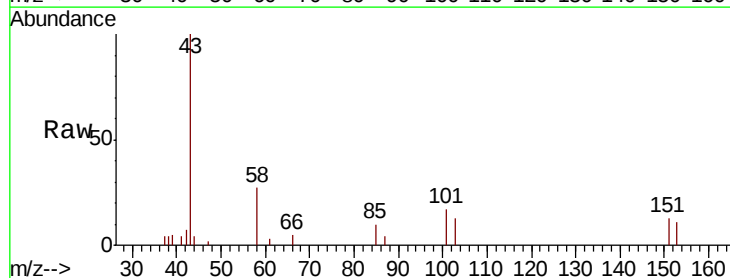
RT: 4.12 min Scan# 364

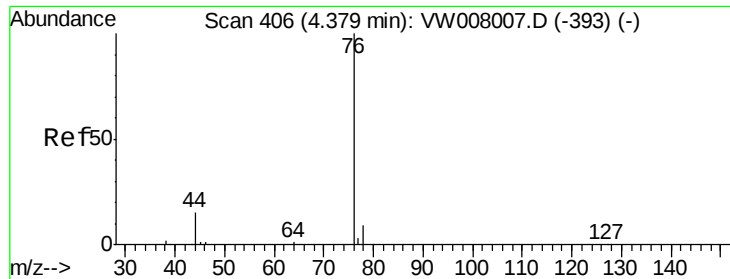
Delta R.T. 0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion:	43	Resp:	6133
Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.7	32.5





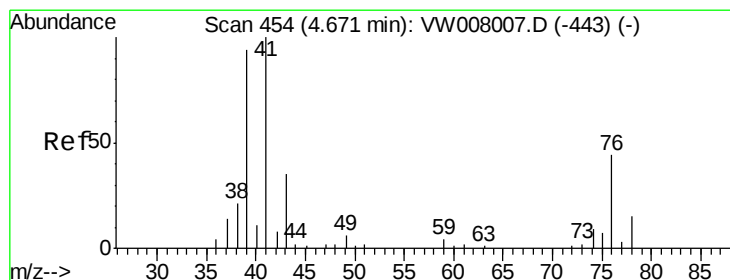
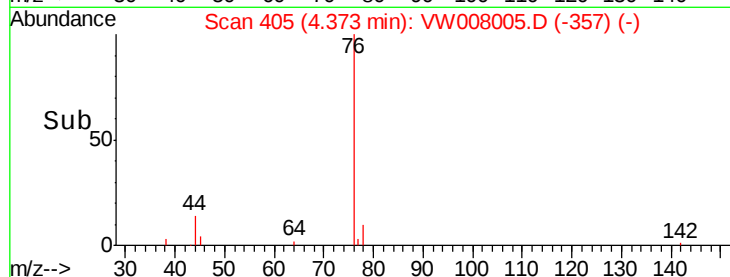
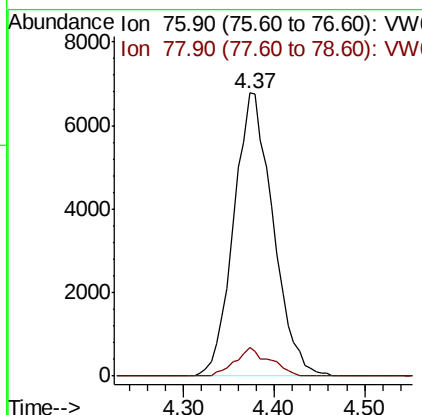
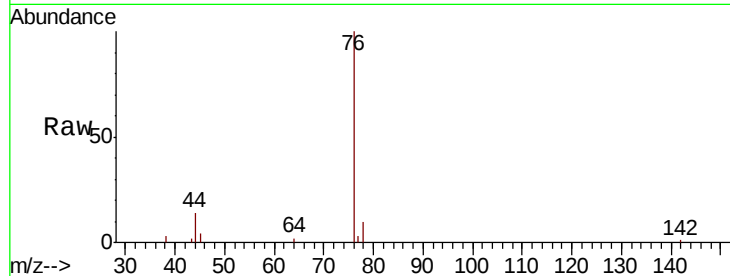
#17
Carbon Disulfide
Concen: 9.447 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.0	10.4

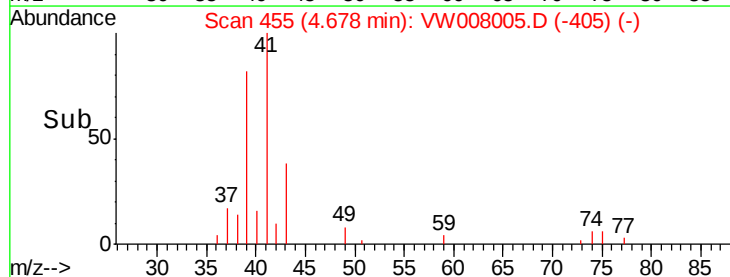
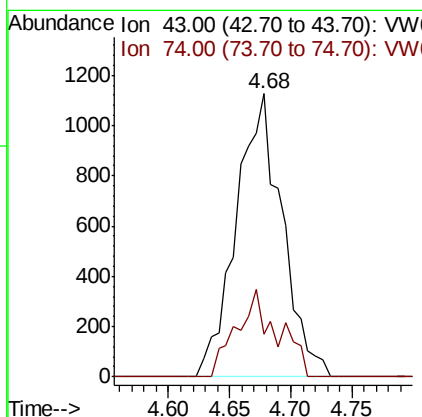
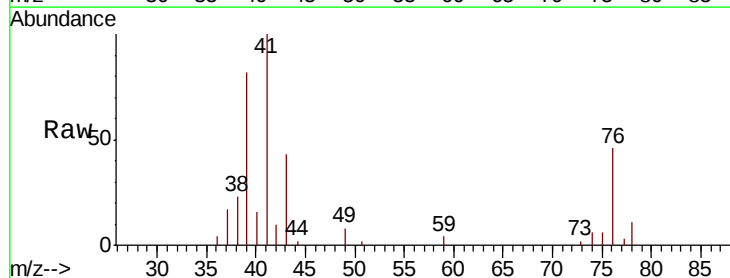
Manual Integrations
APPROVED

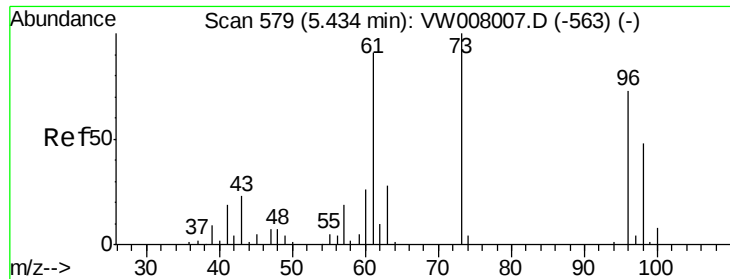
MMDadoda
1/3/2019 10:55:15 AM



#18
Methyl Acetate
Concen: 9.429 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.3	21.4	32.2





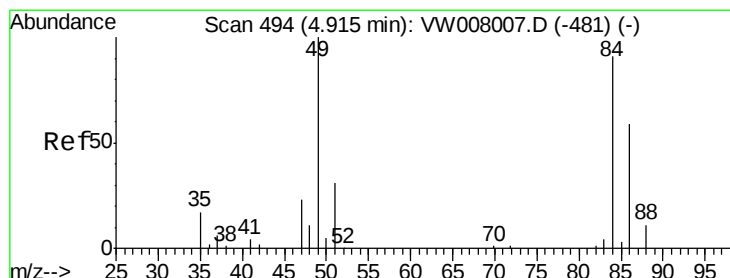
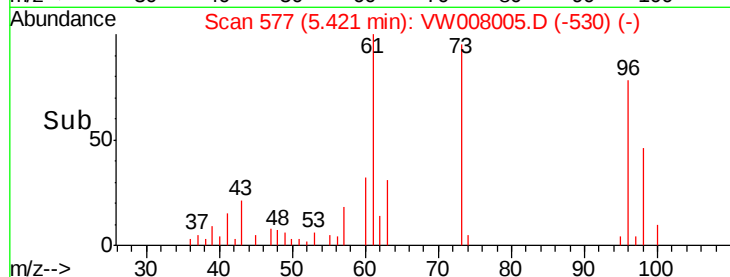
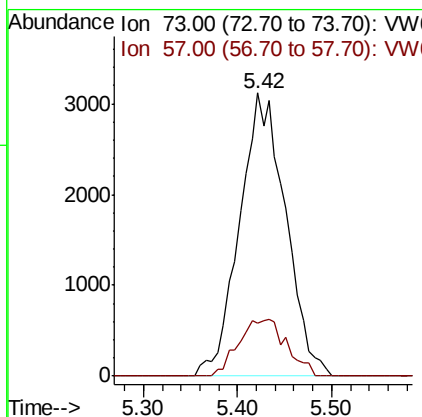
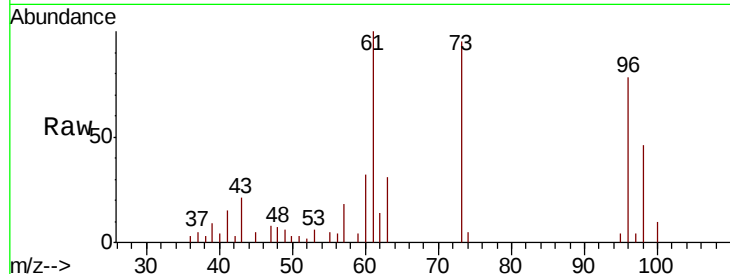
#19
Methyl tert-butyl Ether
Concen: 9.605 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 10653
Ion Ratio Lower Upper
73 100
57 18.8 15.4 23.0

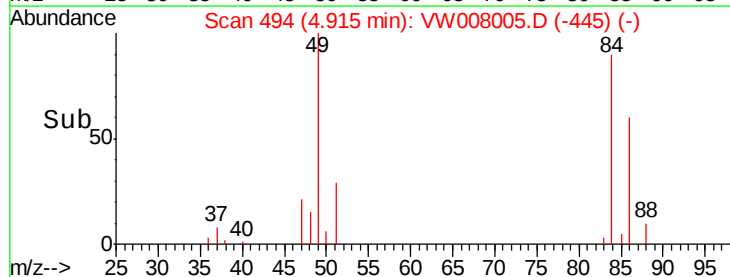
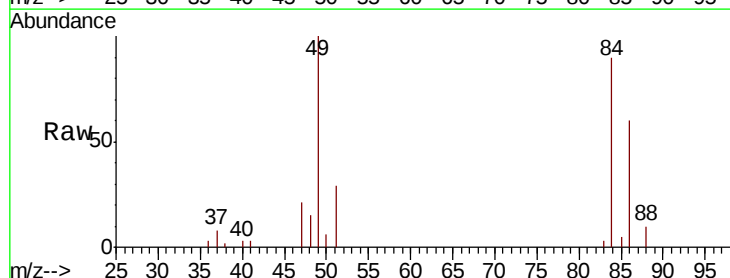
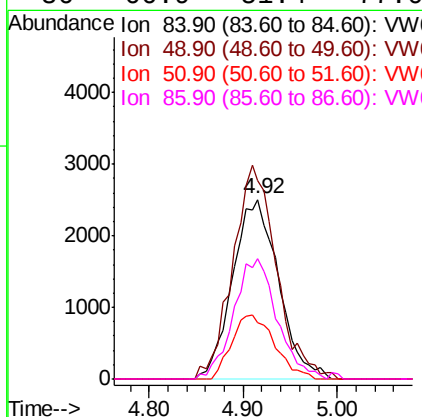
Manual Integrations
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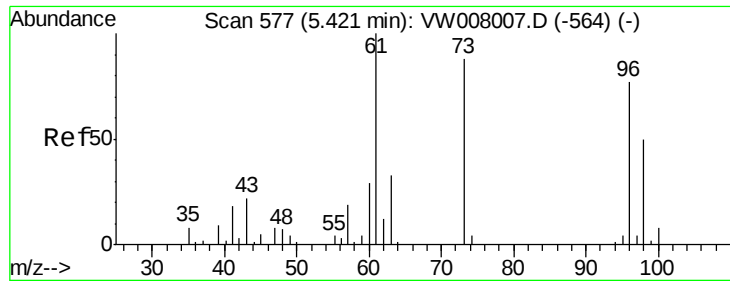
MMDadoda
1/3/2019 10:55:15 AM



#20
Methylene Chloride
Concen: 10.256 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion: 84 Resp: 8502
Ion Ratio Lower Upper
84 100
49 110.6 87.7 131.5
51 31.7 27.3 40.9
86 66.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 9.695 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 96 Resp: 7434

Ion Ratio Lower Upper

96 100

61 127.7 104.2 156.2

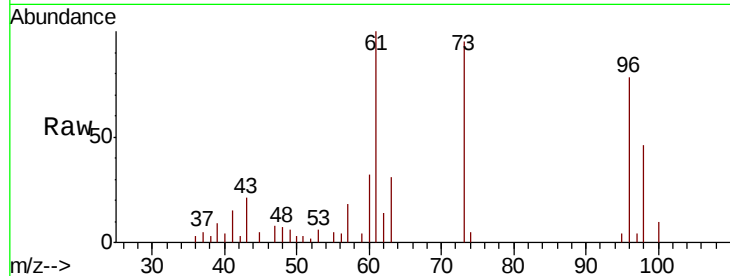
98 58.7 51.8 77.6

Manual Integrations

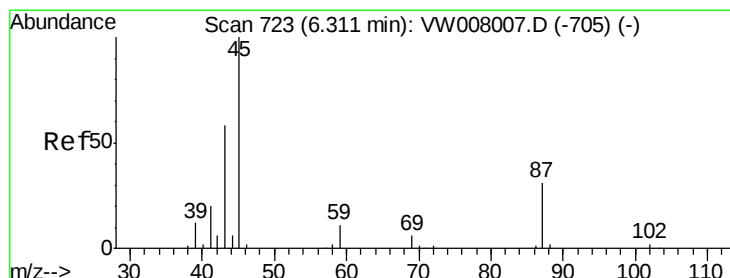
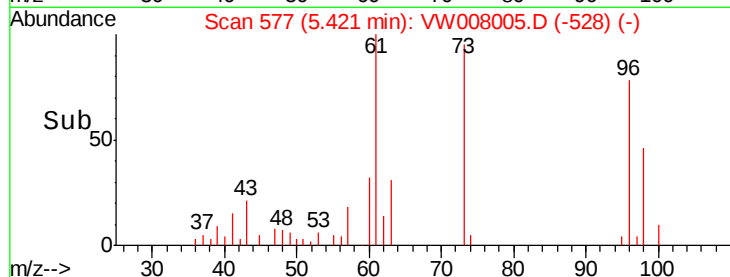
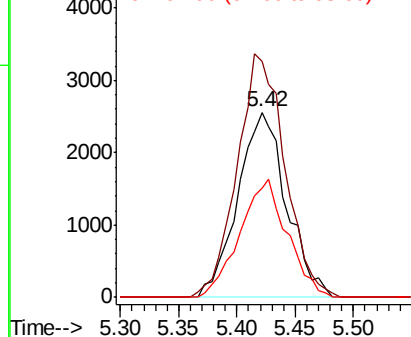
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1/3/2019 10:55:15 AM



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 9.649 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion: 45 Resp: 16537

Ion Ratio Lower Upper

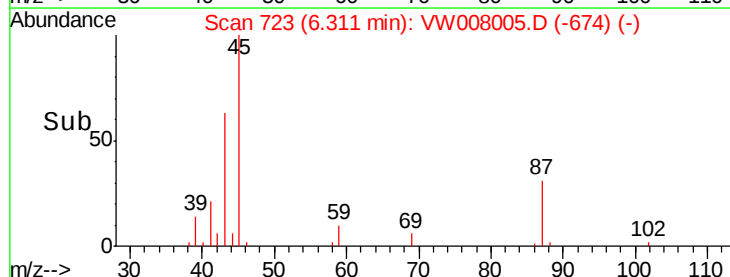
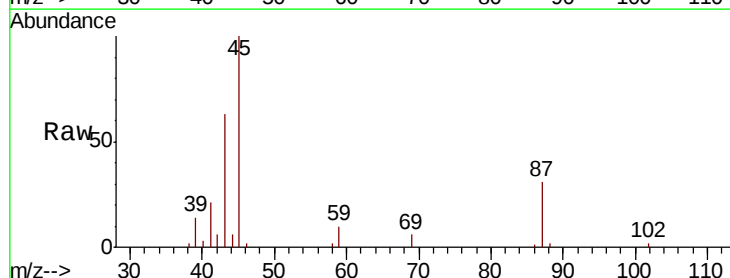
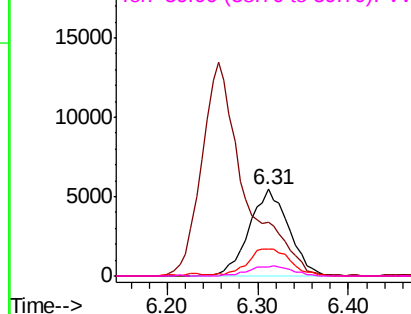
45 100

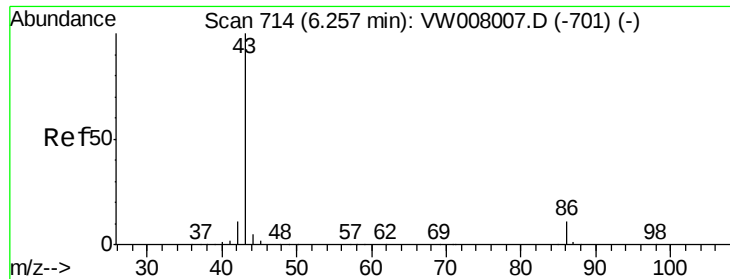
43 61.6 48.1 72.1

87 31.4 25.8 38.8

59 10.1 8.7 13.1

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 46.659 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 44740

Ion Ratio Lower Upper

43 100

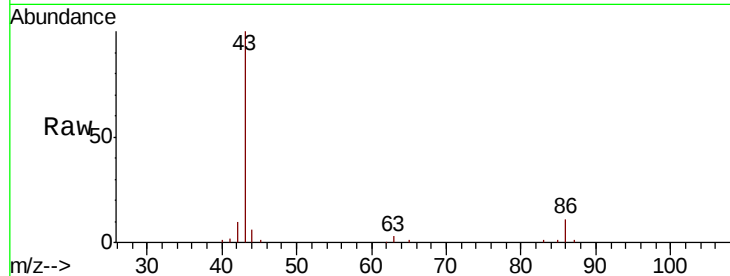
86 10.8 8.8 13.2

Manual Integrations

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MMDadoda

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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

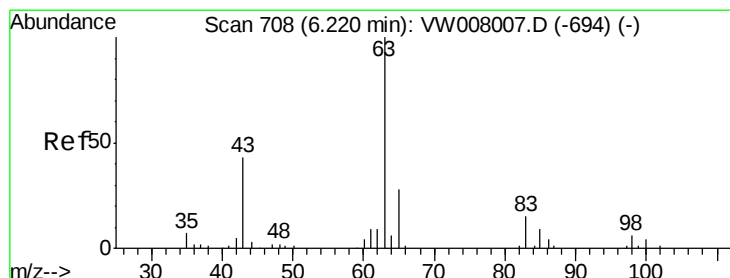
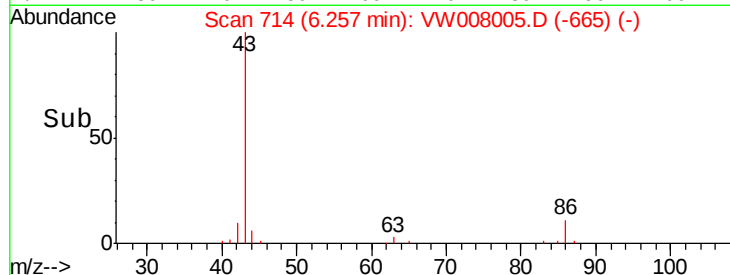
15000

10000

5000

0

Time-->



#24

1,1-Dichloroethane

Concen: 9.743 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

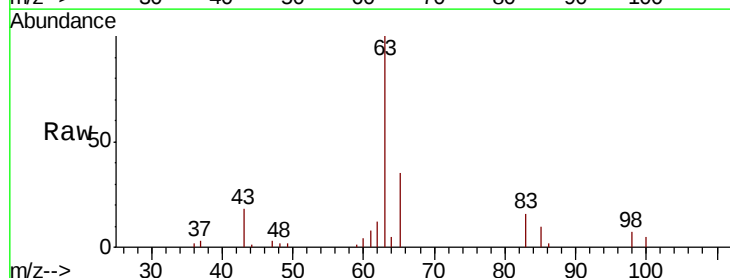
Tgt Ion: 63 Resp: 12407

Ion Ratio Lower Upper

63 100

98 7.2 3.2 9.6

100 4.6 2.1 6.2



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

5000

4000

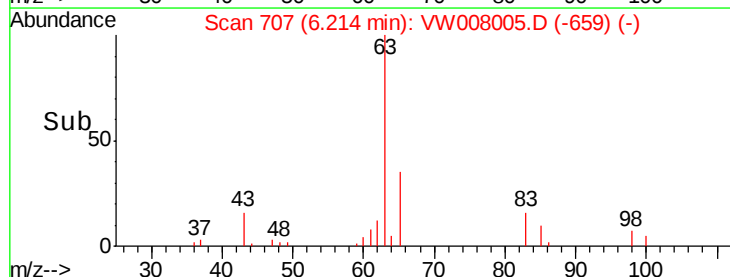
3000

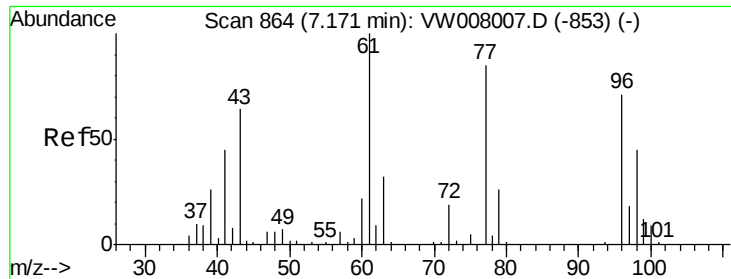
2000

1000

0

Time-->





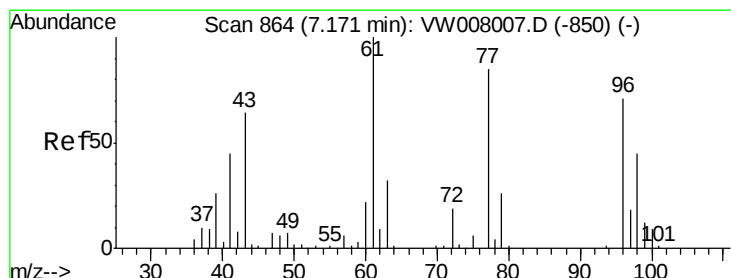
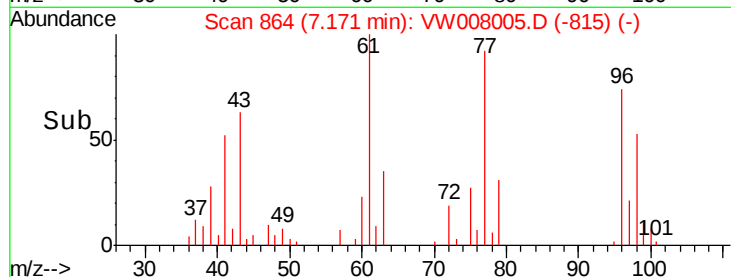
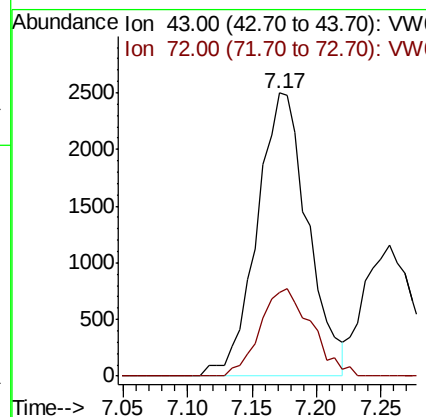
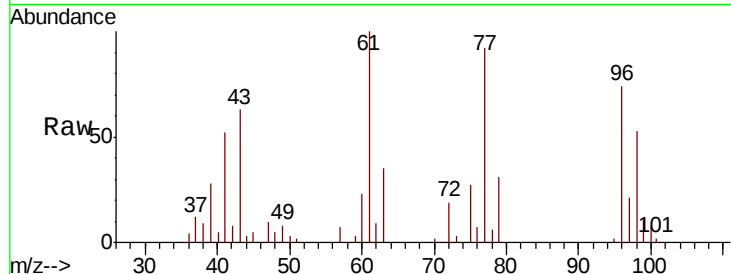
#25
2-Butanone
Concen: 48.309 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 6841
Ion Ratio Lower Upper
43 100
72 29.6 23.8 35.8

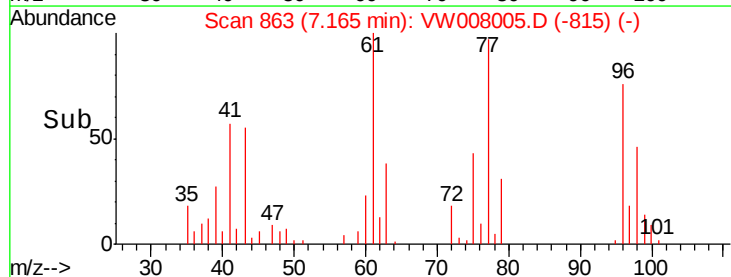
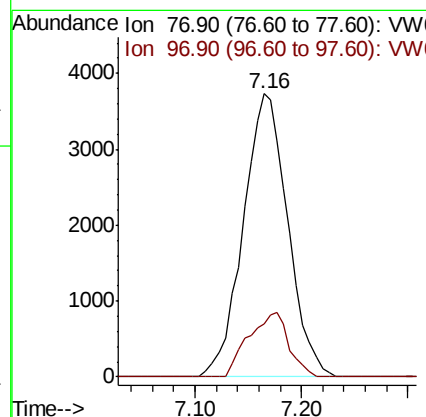
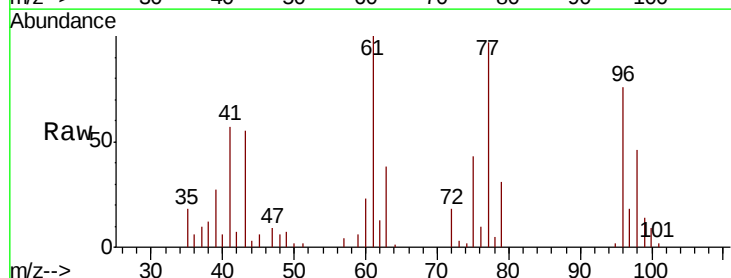
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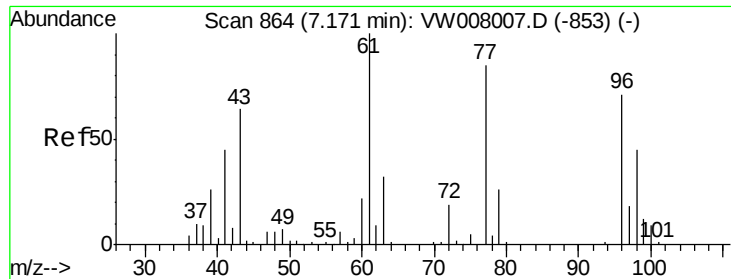
MMDadoda
1/3/2019 10:55:15 AM



#26
2,2-Dichloropropane
Concen: 10.362 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion: 77 Resp: 10871
Ion Ratio Lower Upper
77 100
97 20.6 11.0 33.0





#27

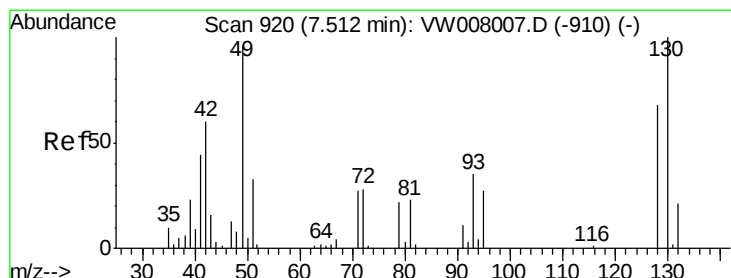
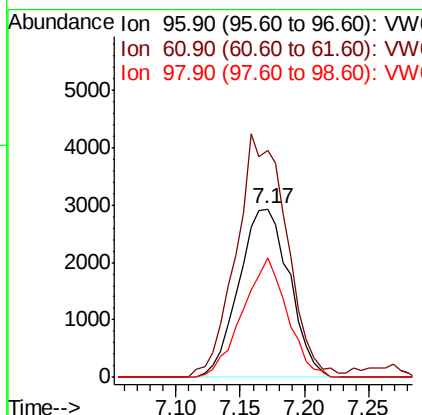
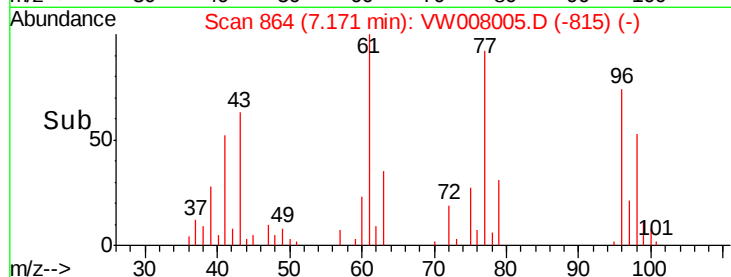
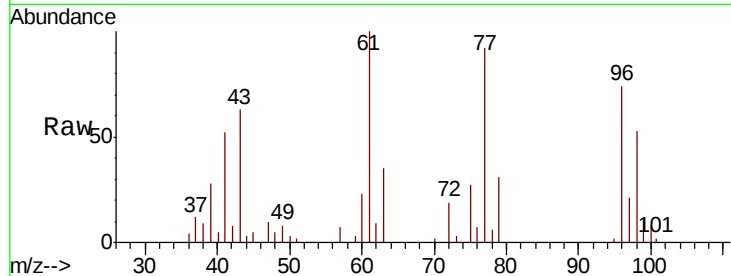
cis-1,2-Dichloroethene
Concen: 9.768 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	286.4
98	62.6	0.0	130.6

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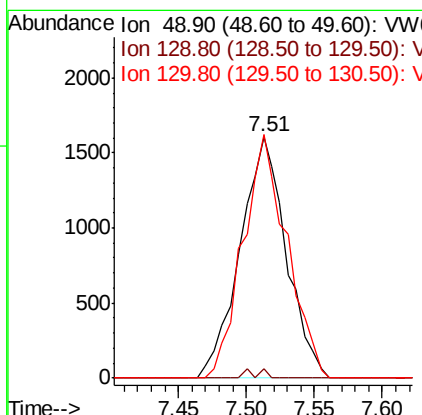
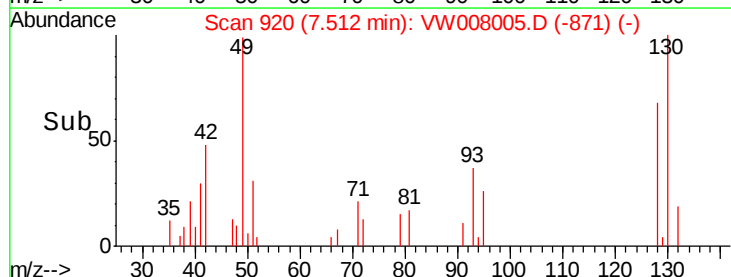
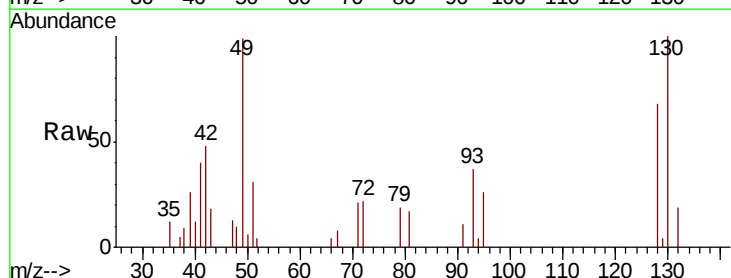
MMDadoda
1/3/2019 10:55:15 AM

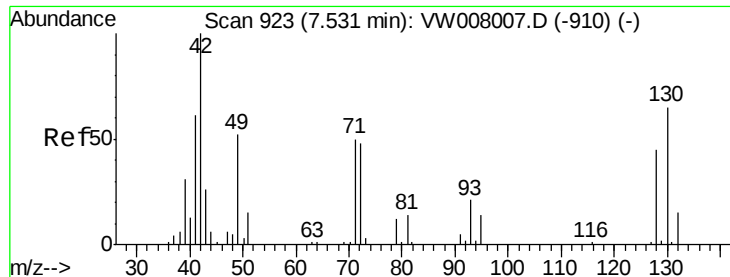


#28

Bromochloromethane
Concen: 9.299 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	0.8#
130	96.2	78.5	117.7





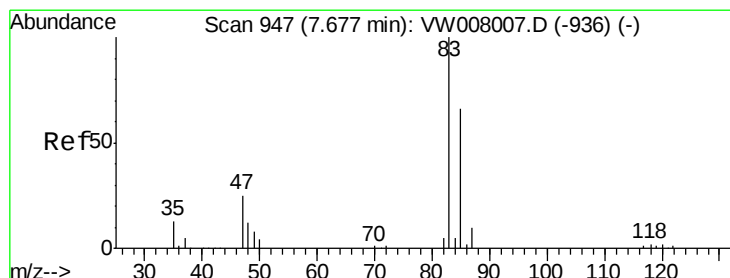
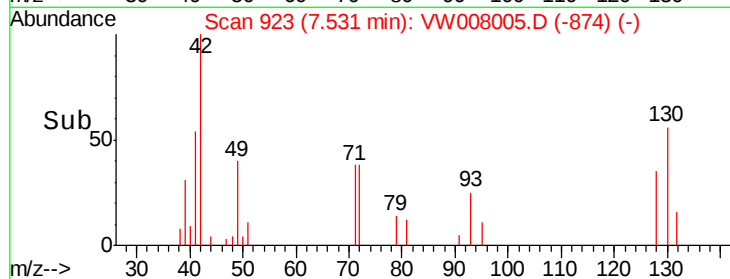
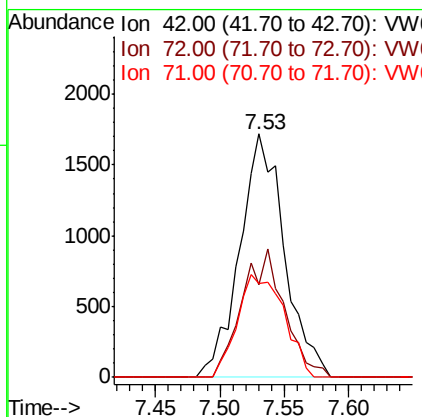
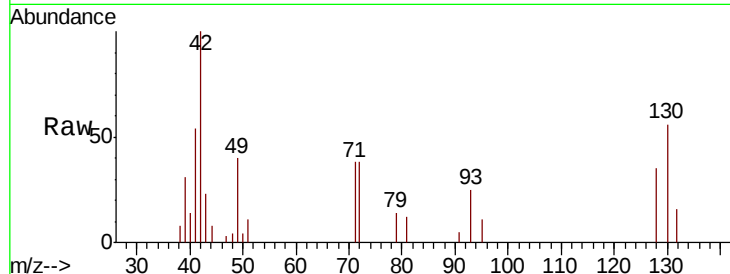
#29
Tetrahydrofuran
Concen: 47.021 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.0	58.6
71	43.9	39.1	58.7

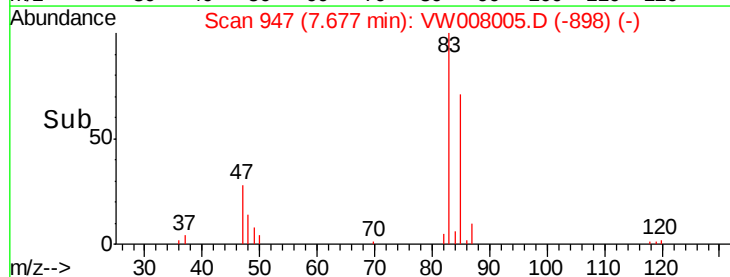
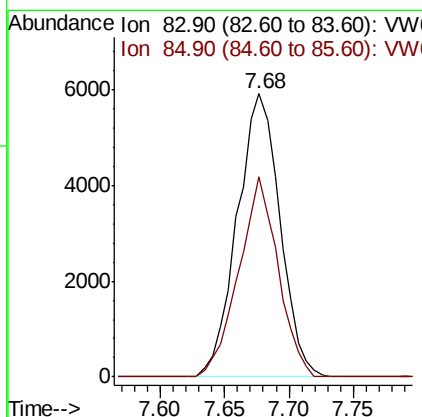
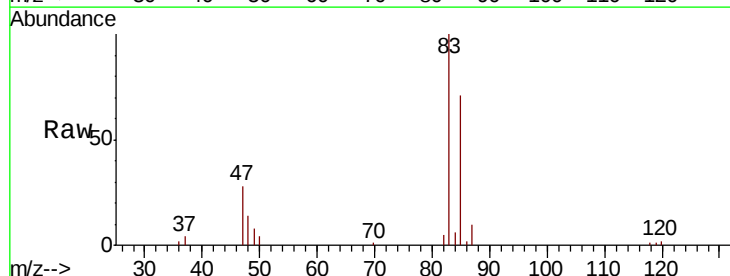
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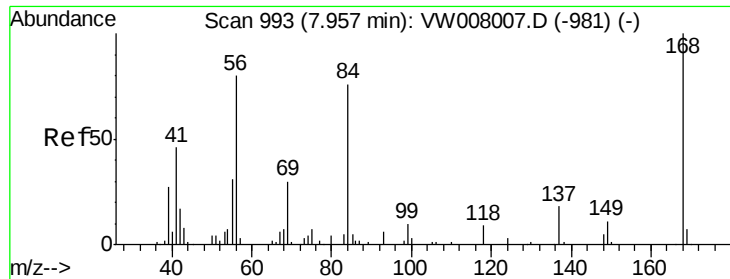
MMDadoda
1/3/2019 10:55:15 AM



#30
Chloroform
Concen: 9.527 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.6	52.7	79.1





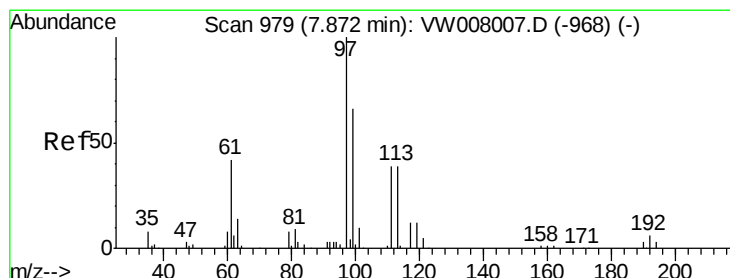
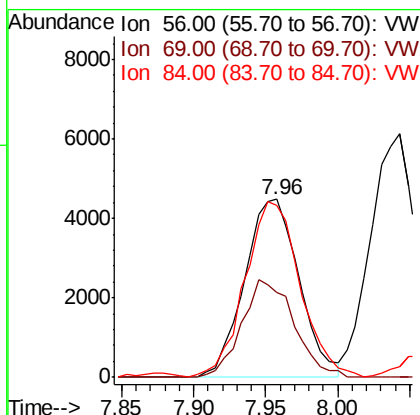
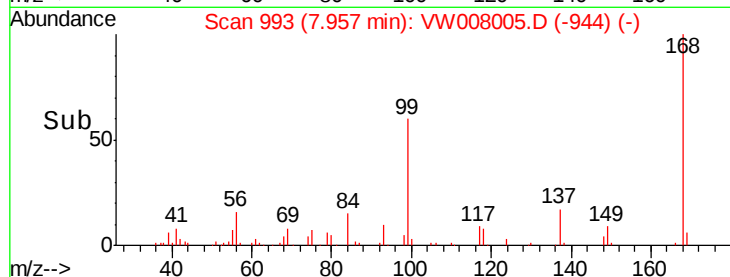
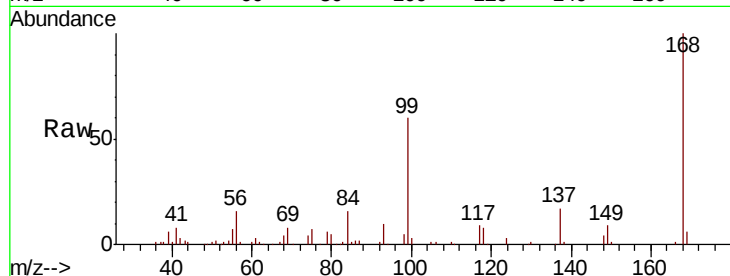
#31
Cyclohexane
Concen: 9.958 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	47.6	29.8	44.6#
84	96.6	75.2	112.8

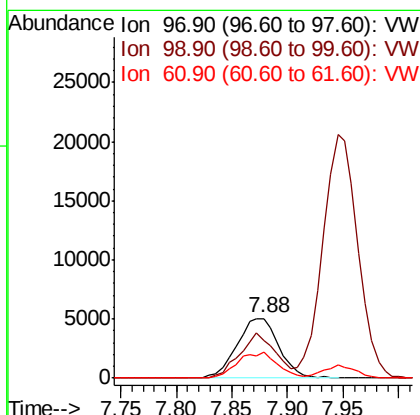
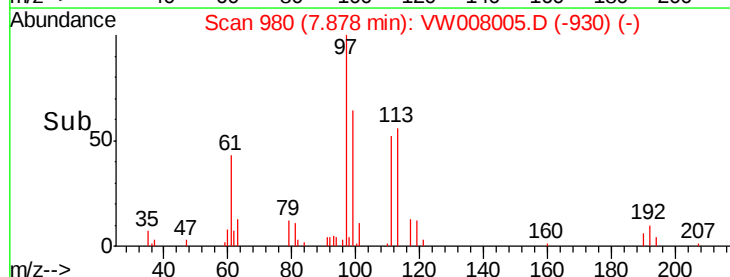
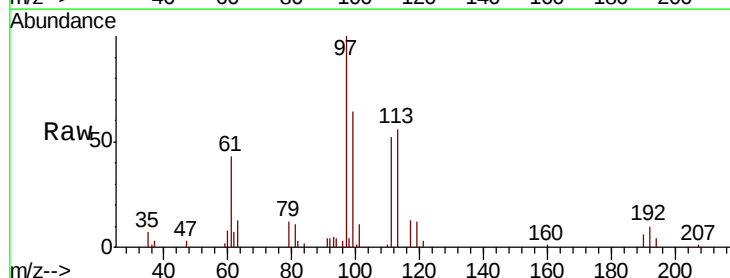
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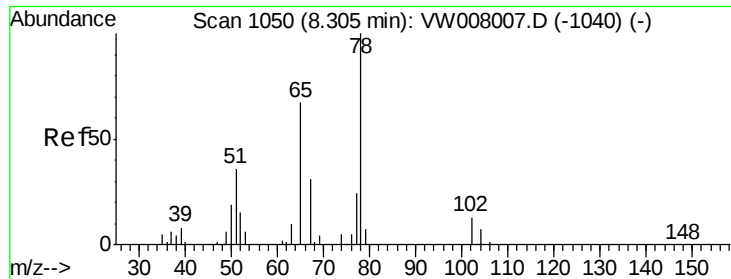
MMDadoda
1/3/2019 10:55:15 AM



#32
1,1,1-Trichloroethane
Concen: 9.635 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.5	77.3
61	42.0	33.4	50.0





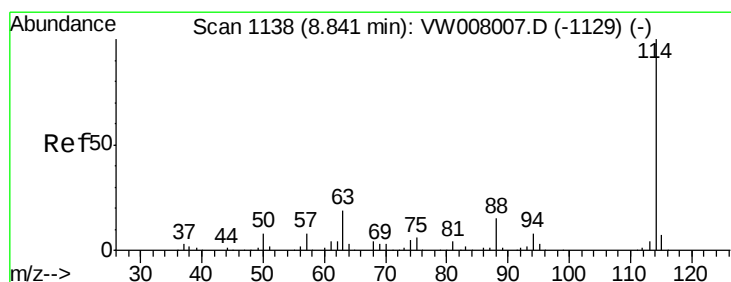
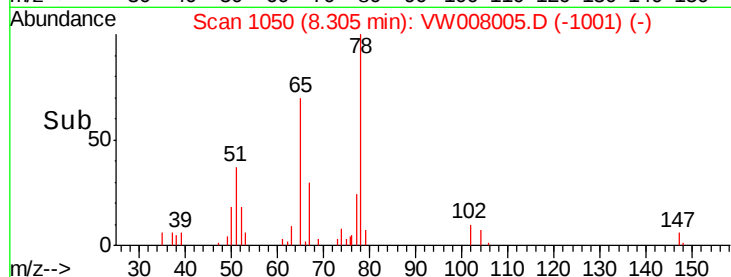
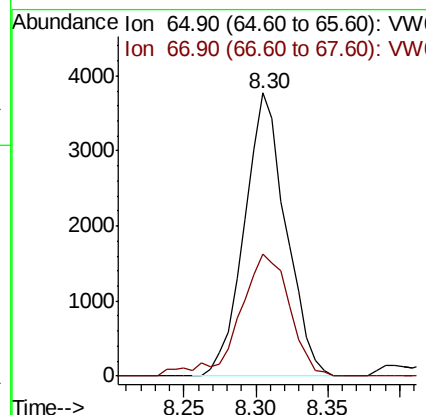
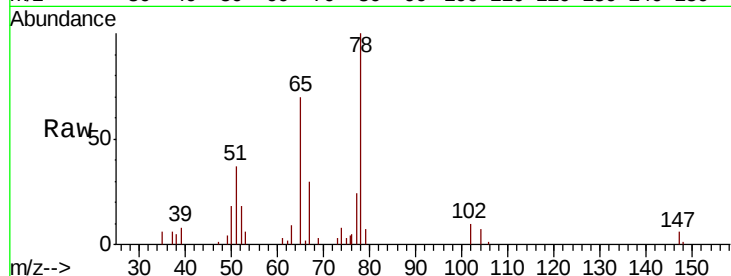
#33
 1,2-Dichloroethane-d4
 Concen: 9.712 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	94.8

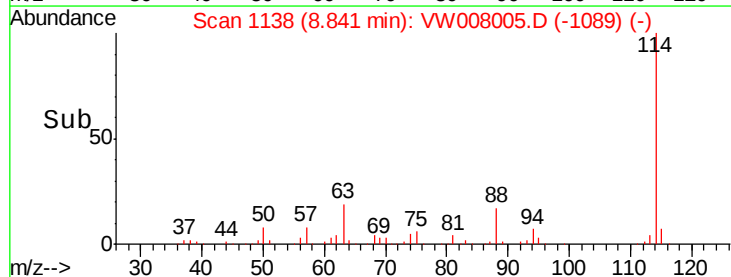
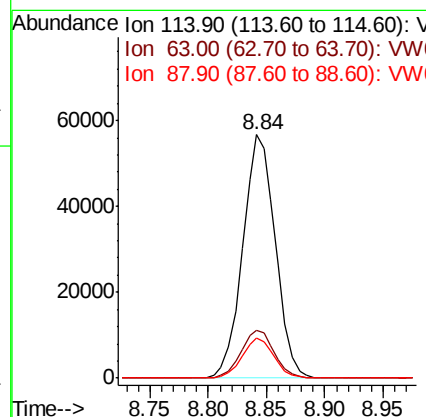
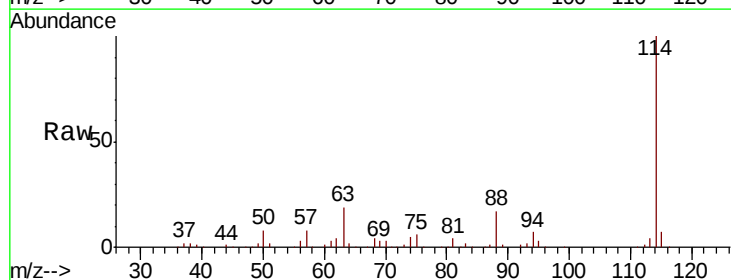
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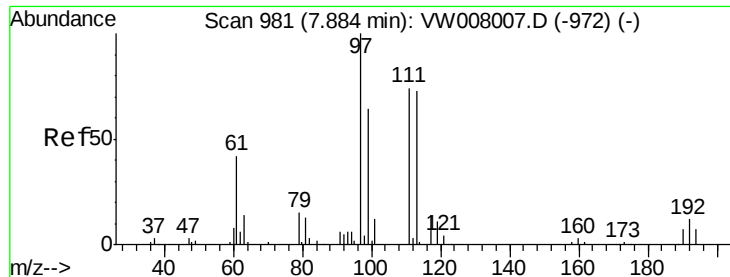
MMDadoda
 1/3/2019 10:55:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	37.8
88	16.5	0.0	31.0





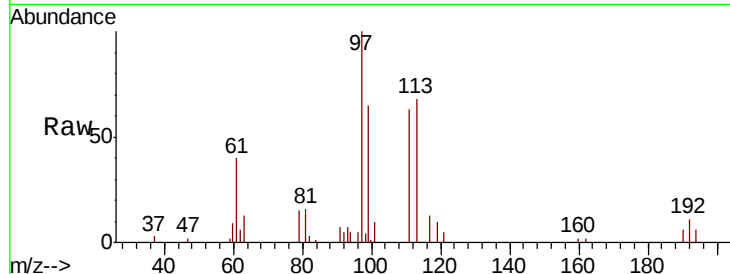
#35
 Dibromofluoromethane
 Concen: 10.000 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	6926		
111	96.6		81.4	122.0
192	17.7		14.8	22.2

Manual Integrations
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MMDadoda
 1/3/2019 10:55:15 AM

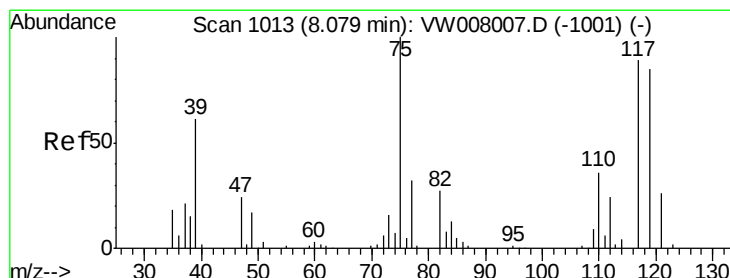
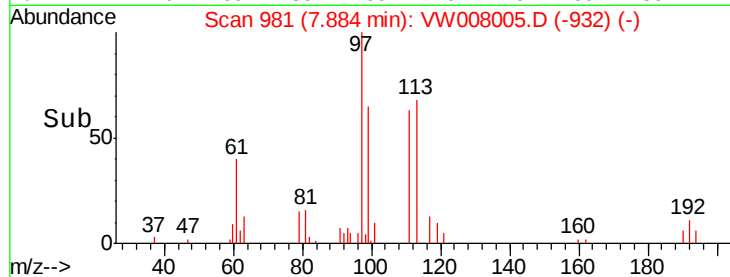
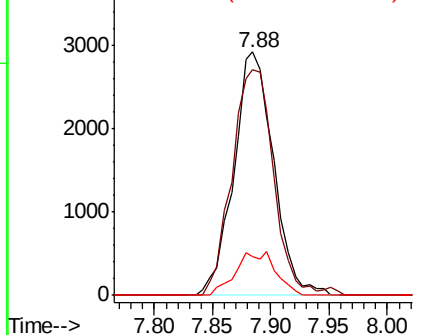


Abundance

Ion 112.80 (112.50 to 113.50): V

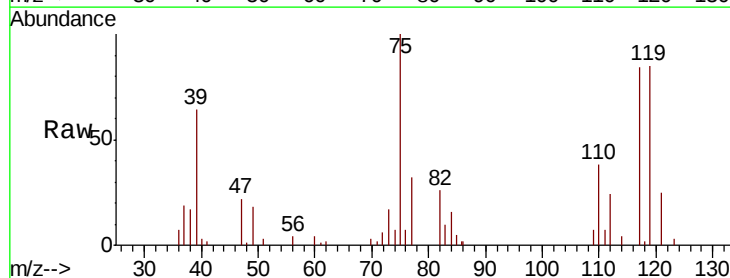
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 9.717 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10532		
110	39.8		18.1	54.3
77	30.6		25.3	37.9

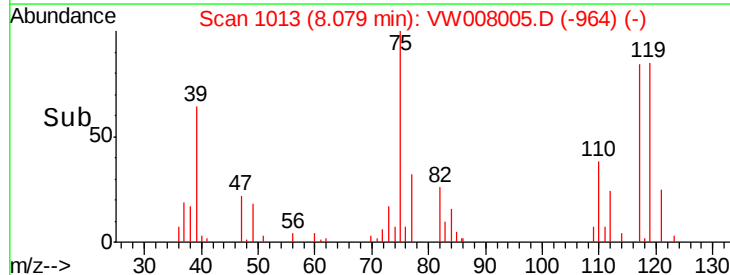
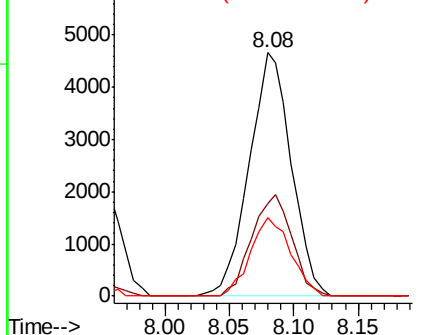


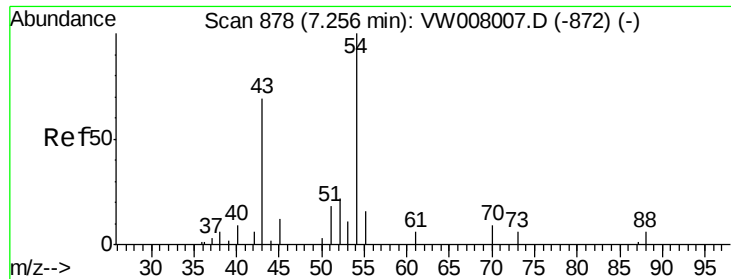
Abundance

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





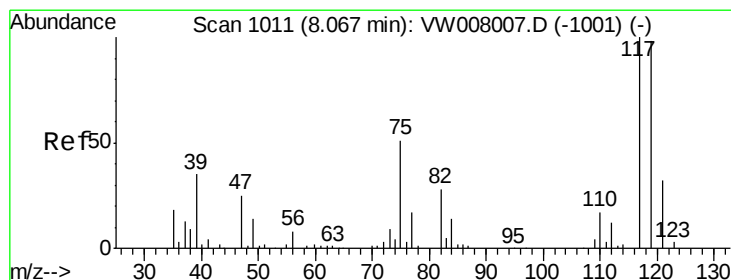
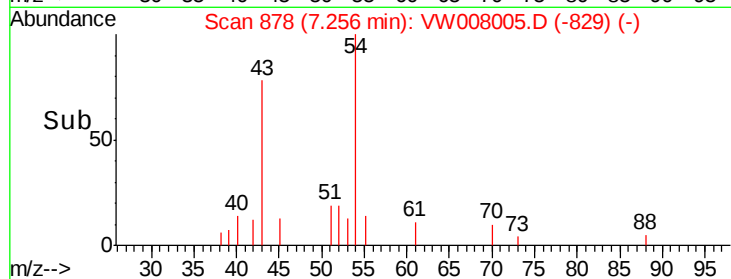
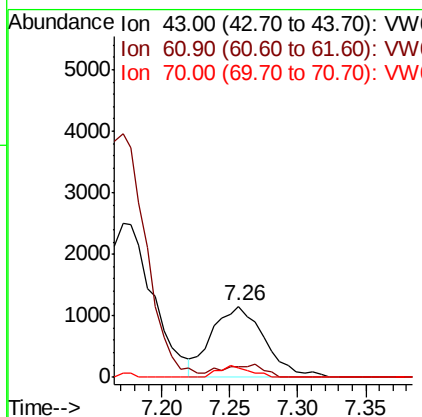
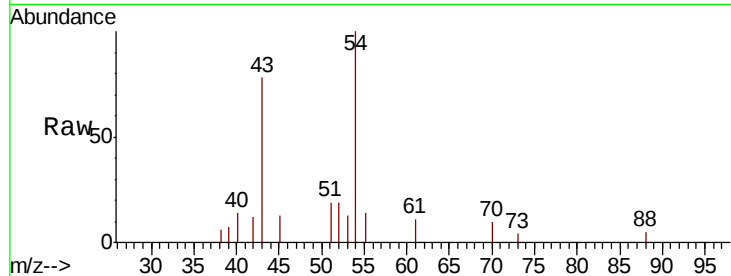
#37
Ethyl Acetate
Concen: 9.642 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.2
70	9.5	9.4	14.0

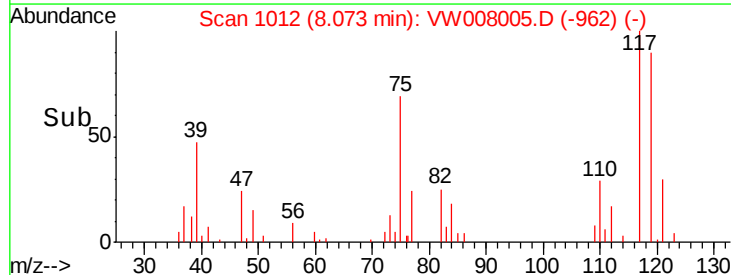
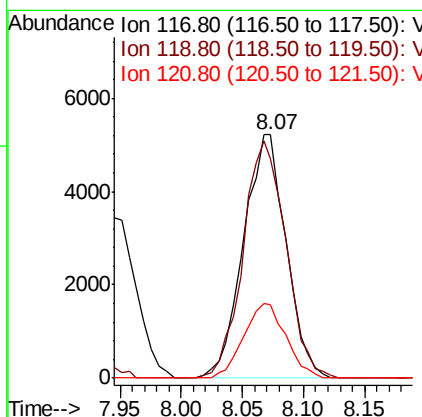
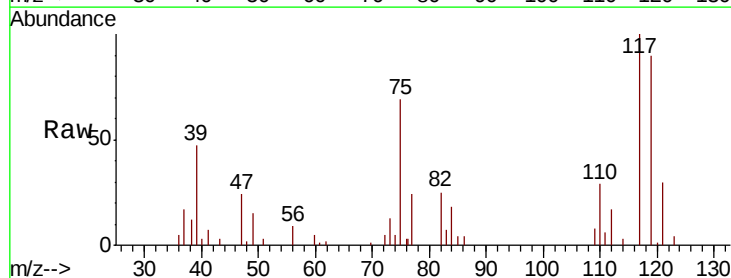
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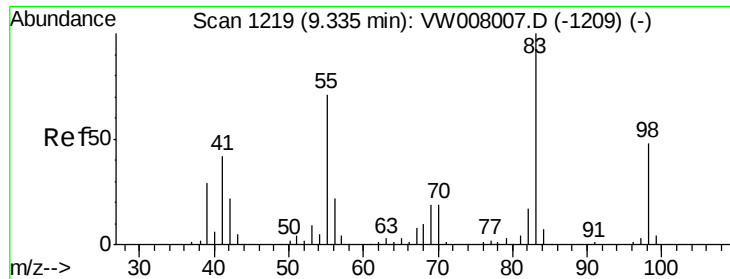
MMDadoda
1/3/2019 10:55:15 AM



#38
Carbon Tetrachloride
Concen: 9.724 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.8	78.7	118.1
121	30.3	25.8	38.8





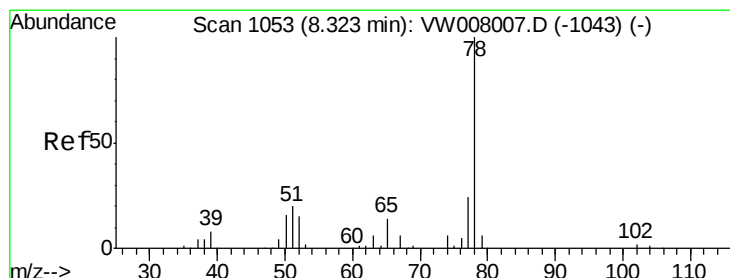
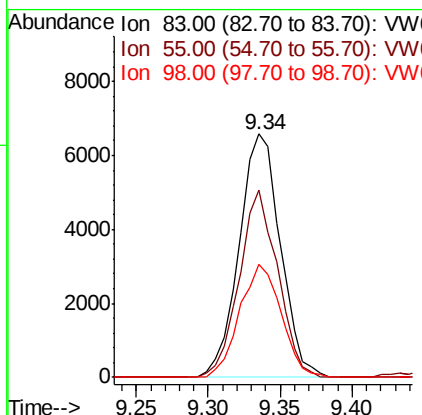
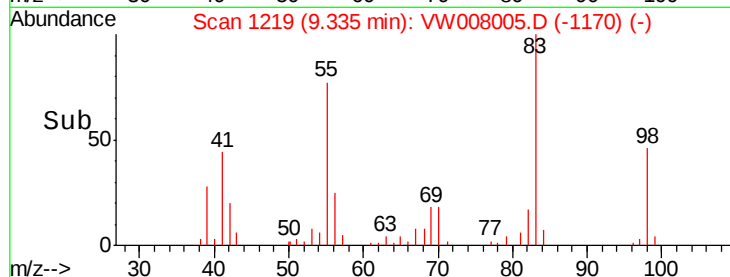
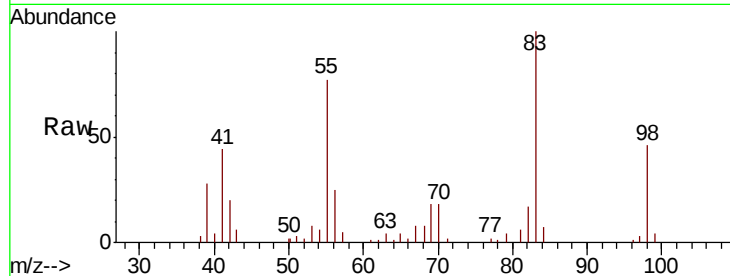
#39
Methvlcvclohexane
Concen: 9.660 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	56.8	85.2
98	46.4	38.6	58.0

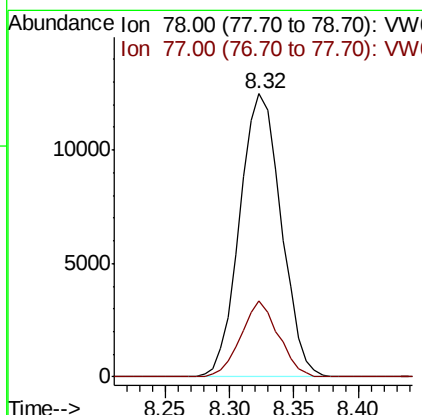
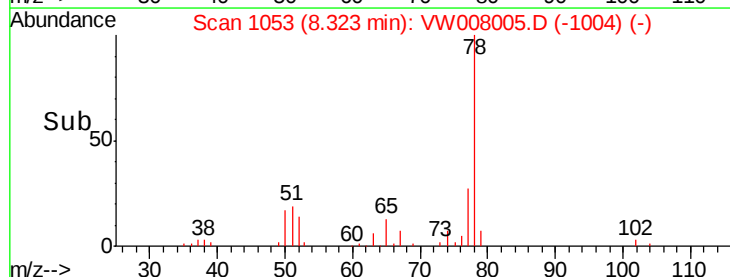
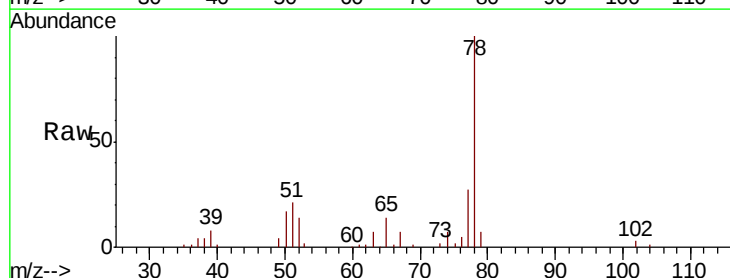
Manual Integrations
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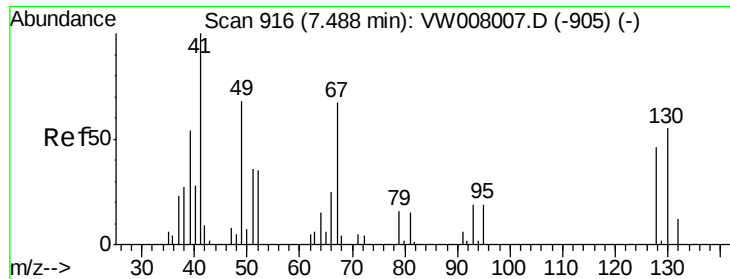
MMDadoda
1/3/2019 10:55:15 AM



#40
Benzene
Concen: 9.730 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.7	19.0	28.6





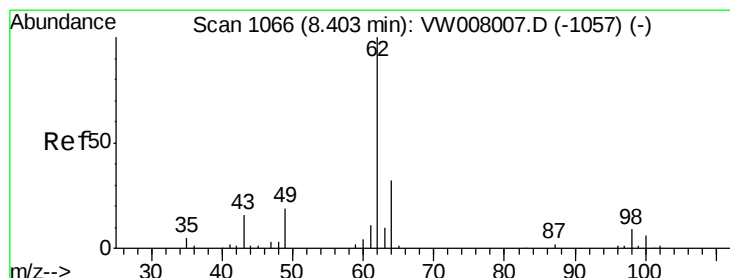
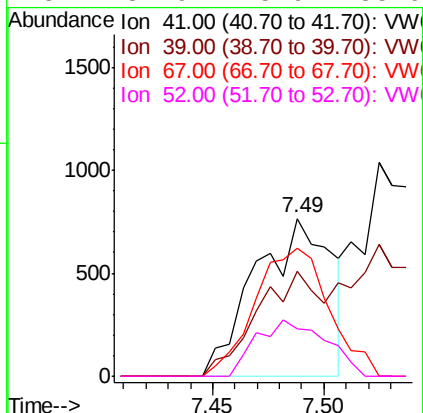
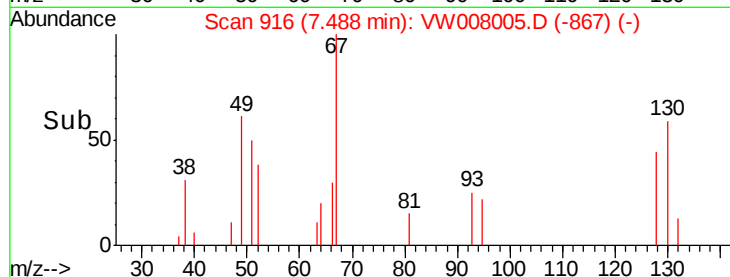
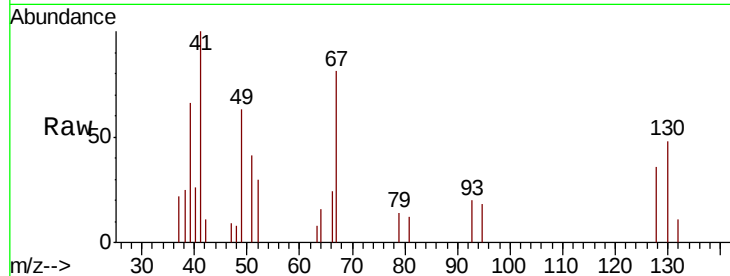
#41
Methacrylonitrile
Concen: 9.053 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	1816
Ion	Ratio	Lower	Upper
41	100		
39	55.7	48.6	72.8
67	79.0	55.6	83.4
52	32.9	25.9	38.9

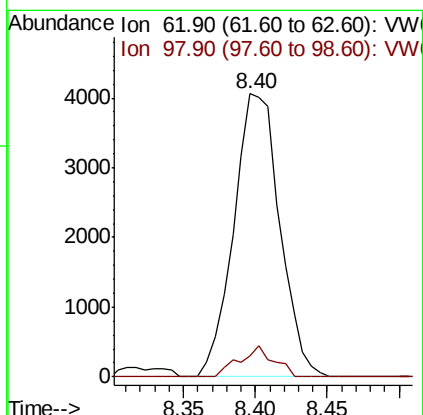
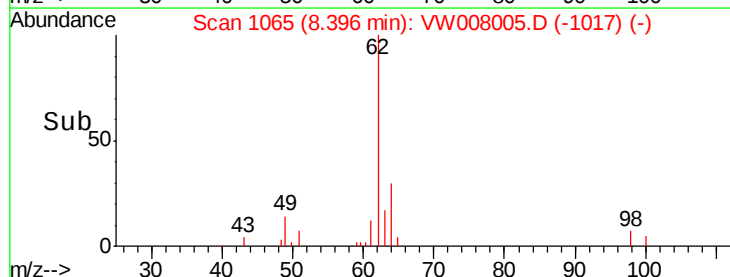
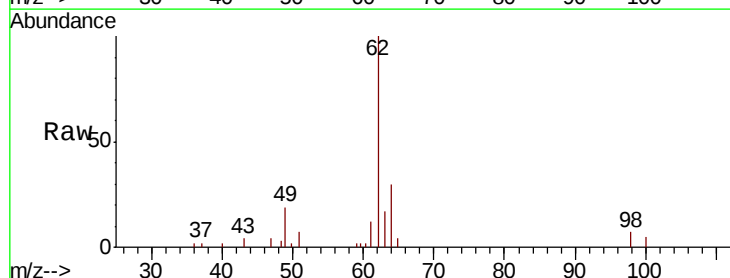
Manual Integrations
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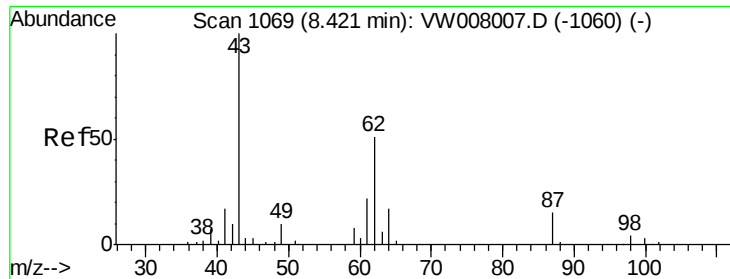
MMDadoda
1/3/2019 10:55:15 AM



#42
1,2-Dichloroethane
Concen: 9.461 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion:	62	Resp:	9013
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





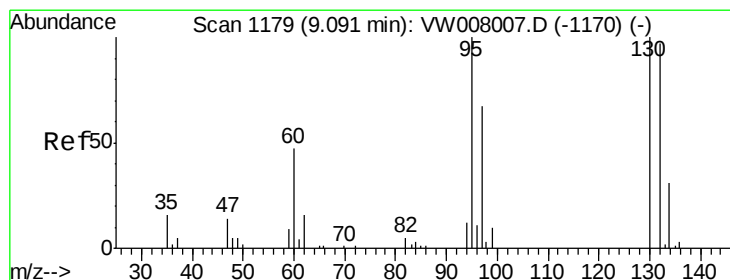
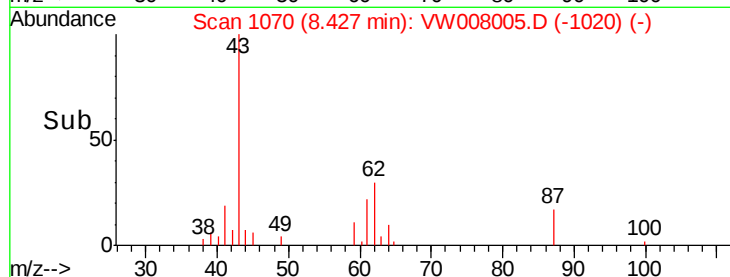
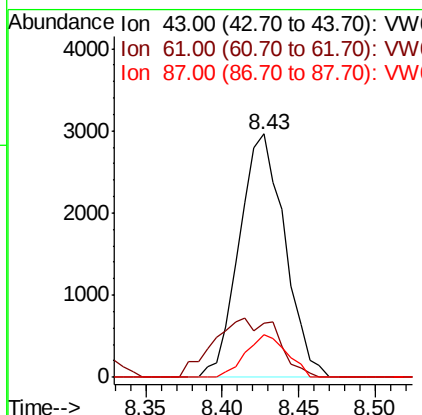
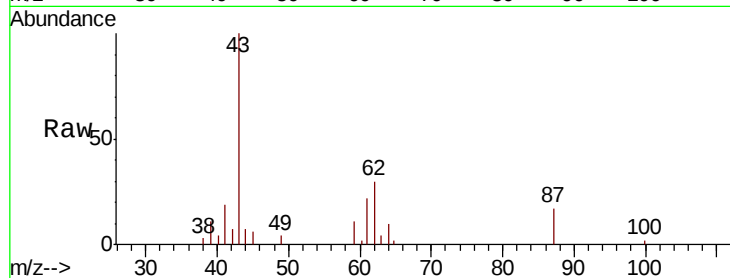
#43
Isopropyl Acetate
Concen: 9.391 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.5	26.4	39.6
87	15.9	12.0	18.0

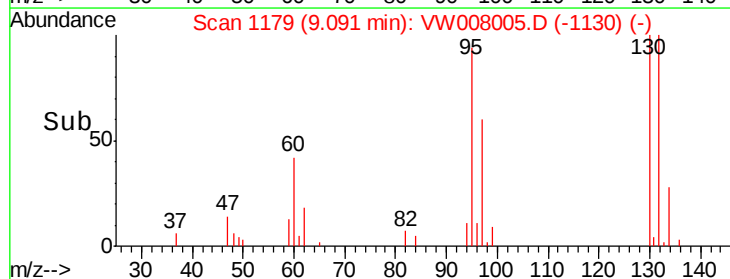
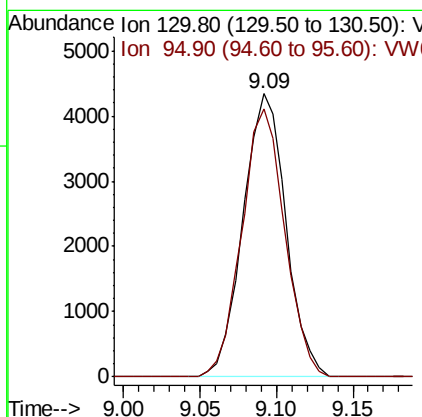
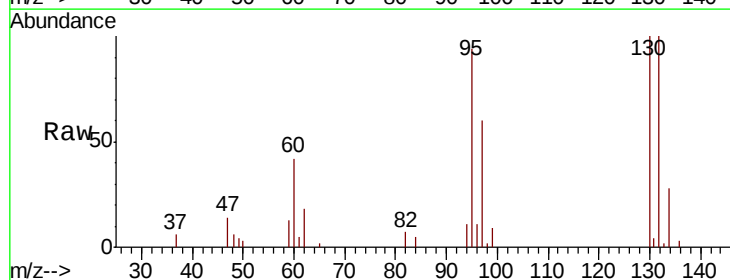
Manual Integrations
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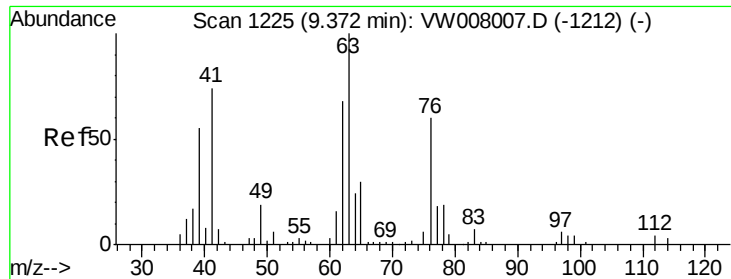
MMDadoda
1/3/2019 10:55:15 AM



#44
Trichloroethene
Concen: 10.036 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	200.0





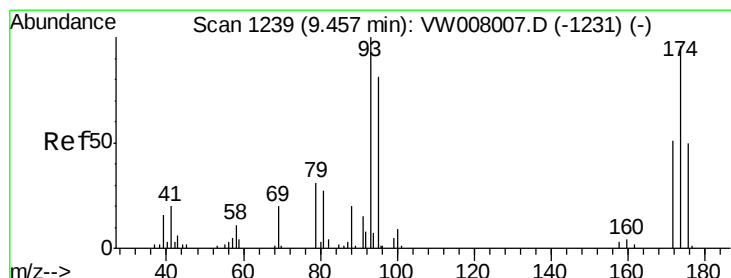
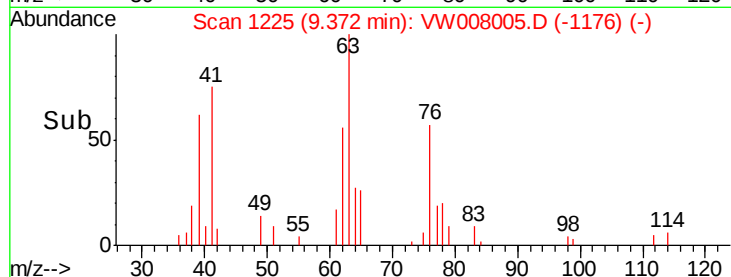
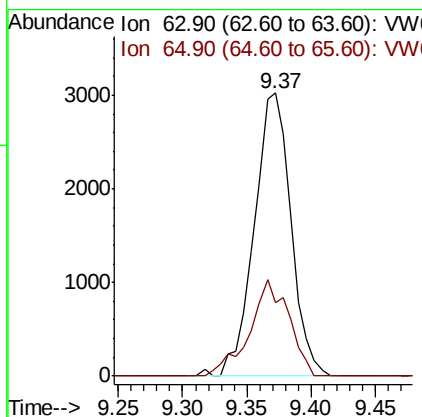
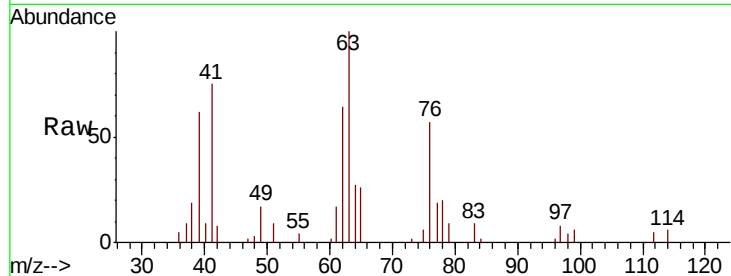
#45
 1,2-Dichloropropane
 Concen: 9.637 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion: 63 Resp: 5964
 Ion Ratio Lower Upper
 63 100
 65 25.8 24.2 36.4

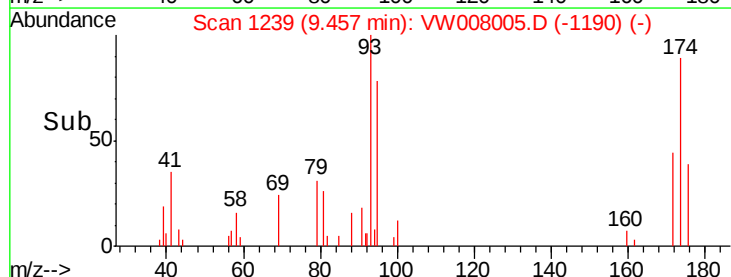
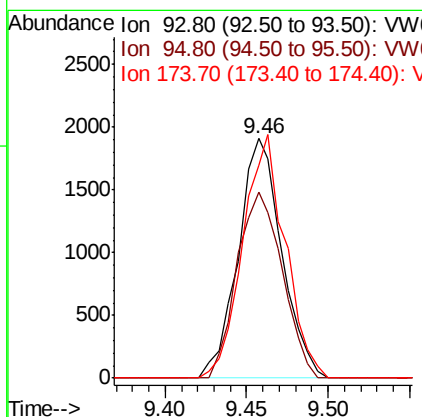
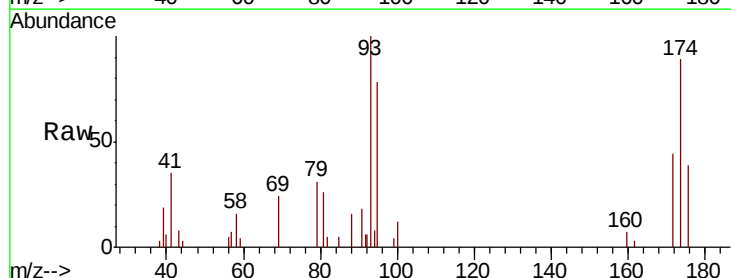
Manual Integrations
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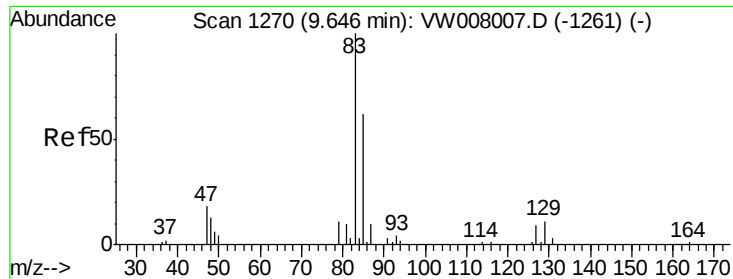
MMDadoda
 1/3/2019 10:55:15 AM



#46
 Dibromomethane
 Concen: 9.836 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Tgt Ion: 93 Resp: 3559
 Ion Ratio Lower Upper
 93 100
 95 80.4 63.9 95.9
 174 98.4 79.0 118.6





#47

Bromodichloromethane

Concen: 9.790 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

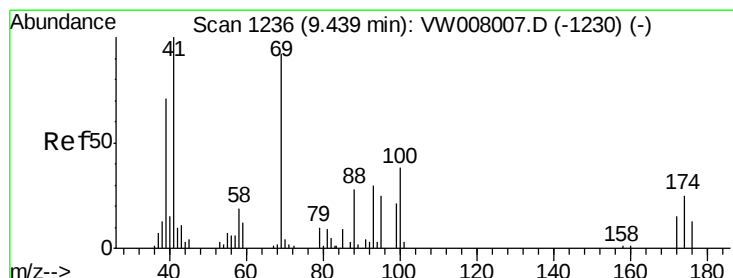
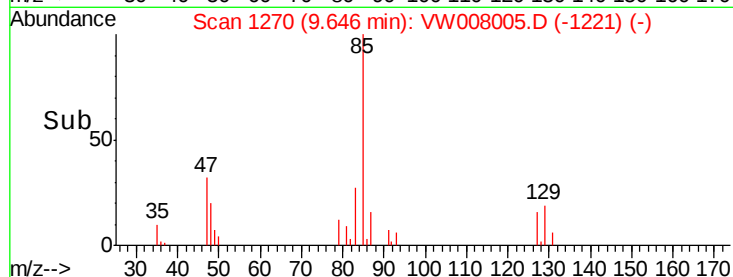
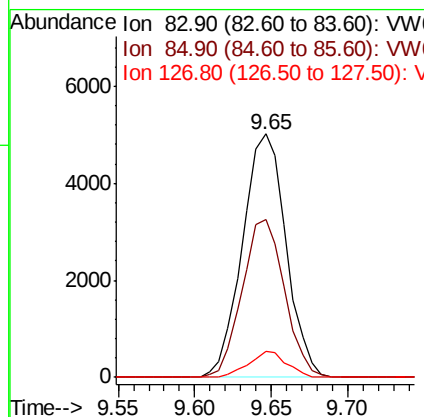
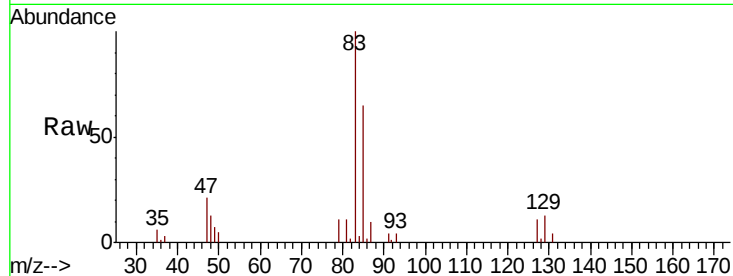
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	9922
Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.5	74.3
127	10.6	7.5	11.3

Manual Integrations
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MMDadoda
1/3/2019 10:55:15 AM



#48

Methyl methacrylate

Concen: 8.946 ug/l

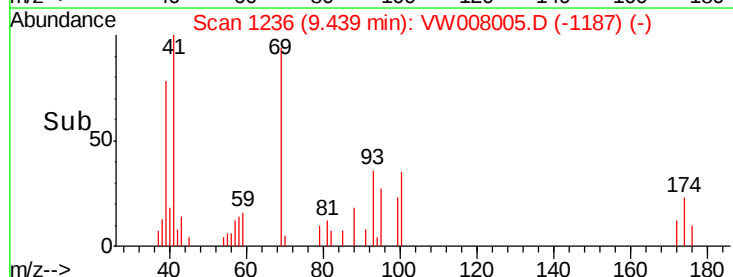
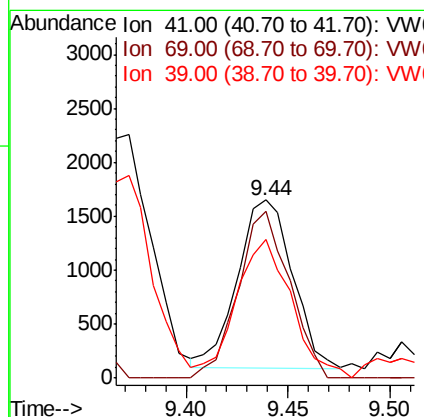
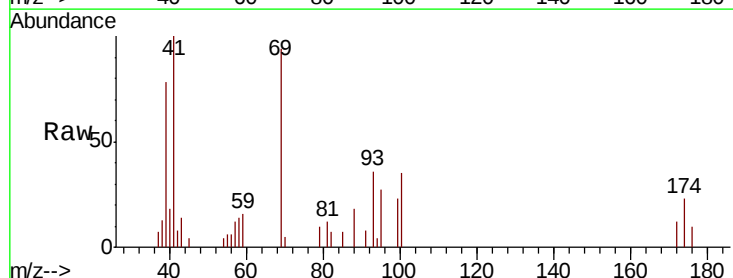
RT: 9.44 min Scan# 1236

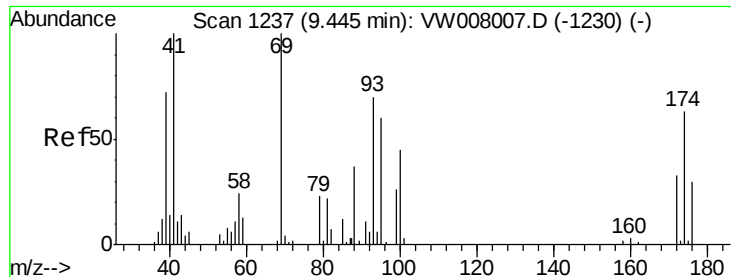
Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion:	41	Resp:	2934
Ion	Ratio	Lower	Upper
41	100		
69	92.1	72.3	108.5
39	83.0	58.7	88.1





#49

1,4-Dioxane

Concen: 166.770 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

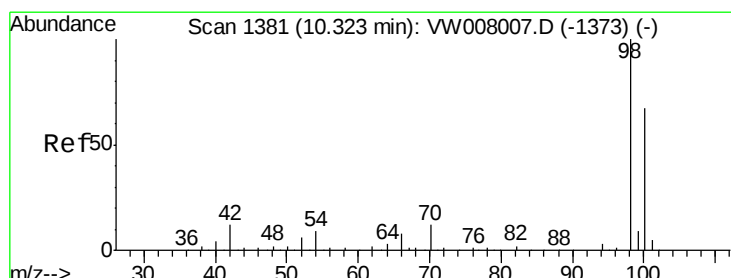
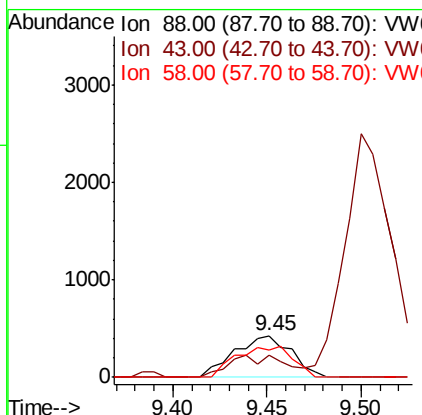
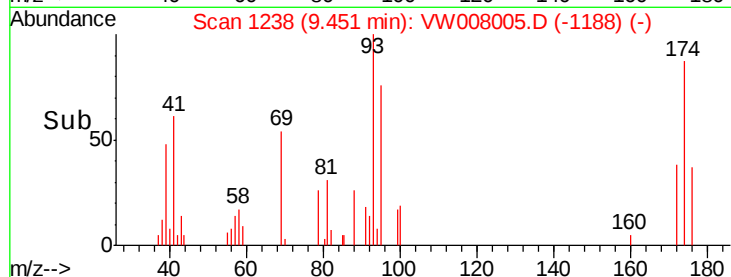
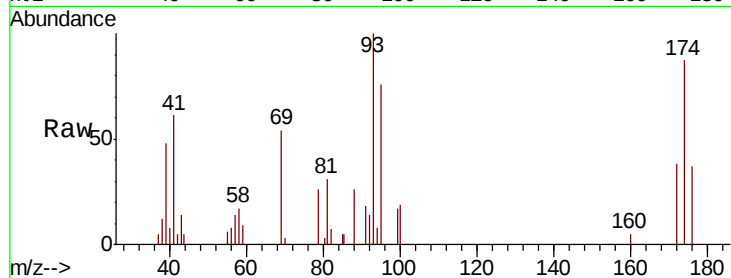
ClientSampleId :

VSTDIC010

Tot Ion:	88	Resp:	893
Ion	Ratio	Lower	Upper
88	100		
43	28.6	26.8	40.2
58	73.2	55.8	83.6

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#50

Toluene-d8

Concen: 10.038 ug/l

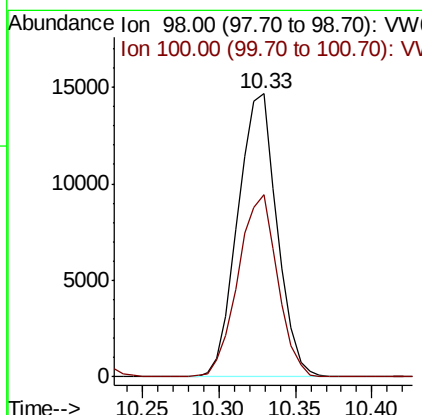
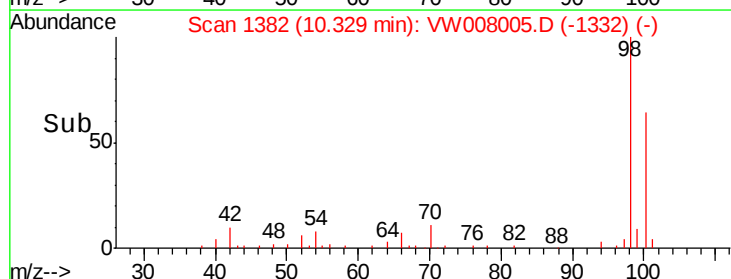
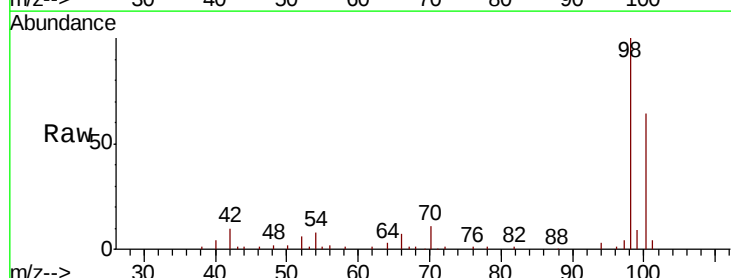
RT: 10.33 min Scan# 1382

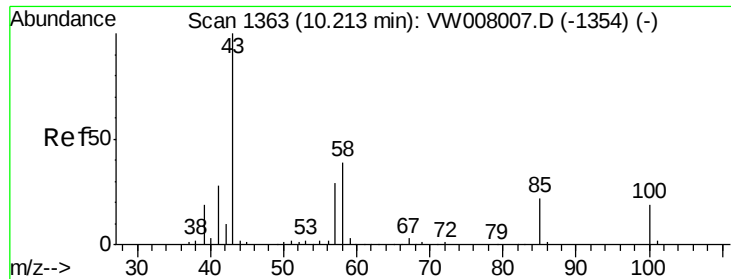
Delta R.T. 0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion:	98	Resp:	26082
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 48.717 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC010

Tot Ion: 43 Resp: 14669

Ion Ratio Lower Upper

43 100

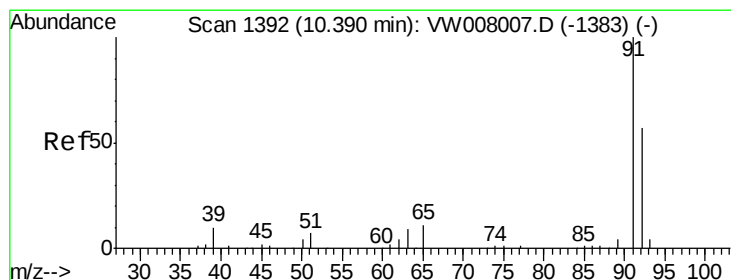
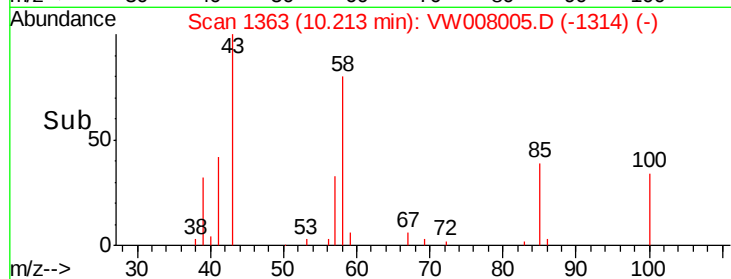
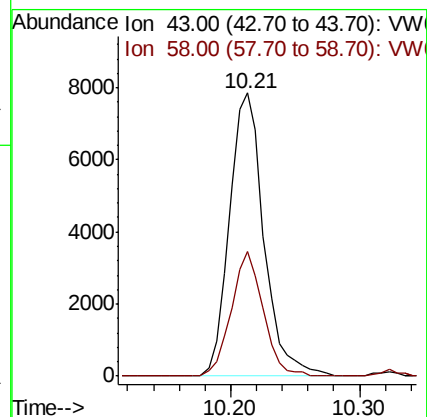
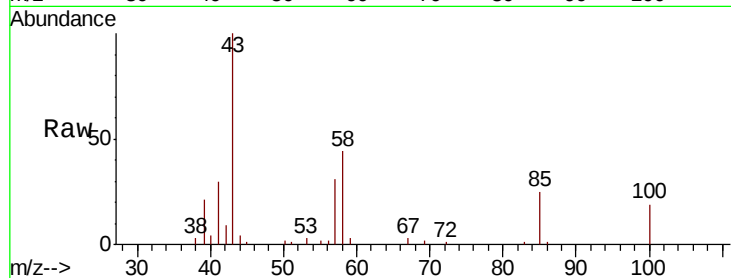
58 40.6 32.0 48.0

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#52

Toluene

Concen: 9.663 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008005.D

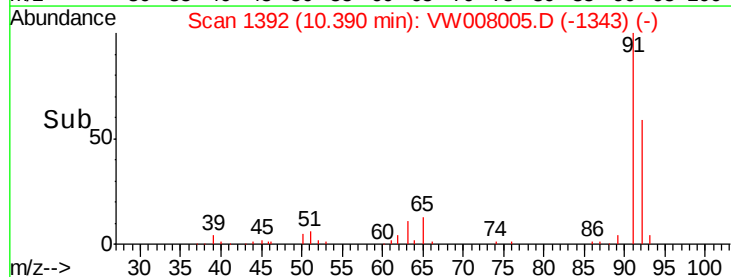
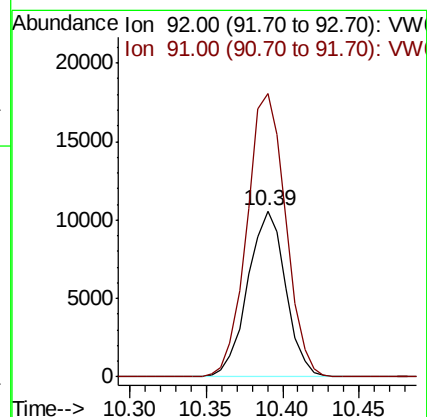
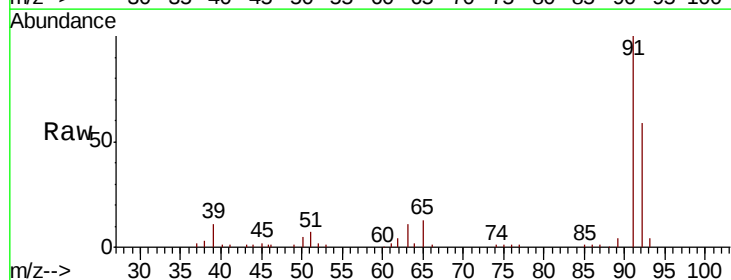
Acq: 02 Jan 2019 13:19

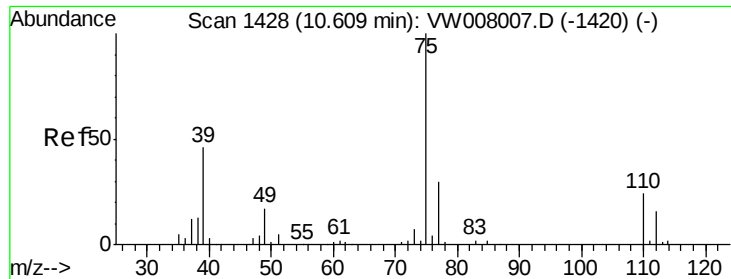
Tgt Ion: 92 Resp: 18239

Ion Ratio Lower Upper

92 100

91 174.3 136.9 205.3





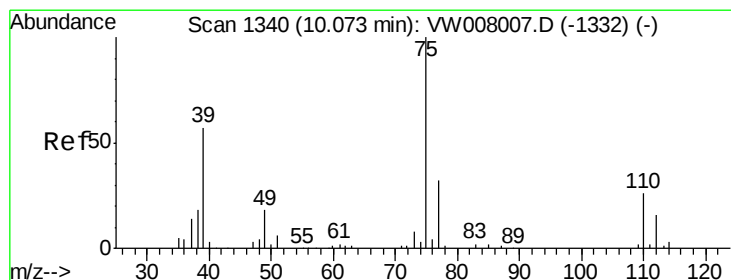
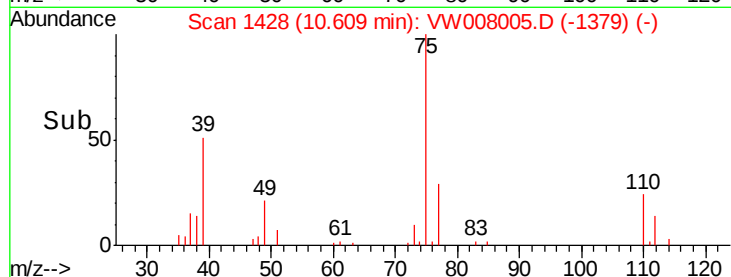
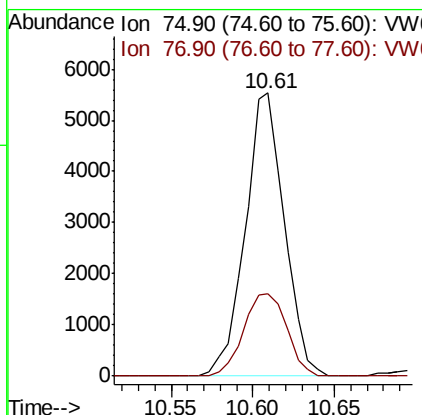
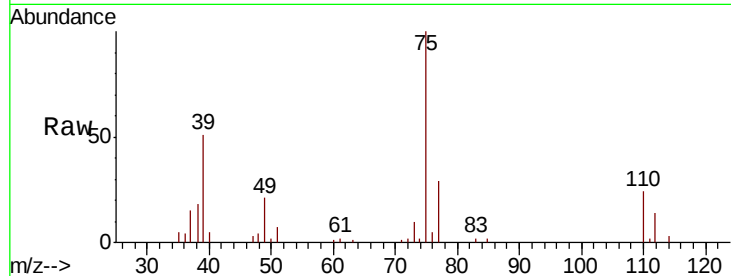
#53
 t-1,3-Dichloropropene
 Concen: 9.490 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion: 75 Resp: 9248
 Ion Ratio Lower Upper
 75 100
 77 29.3 24.0 36.0

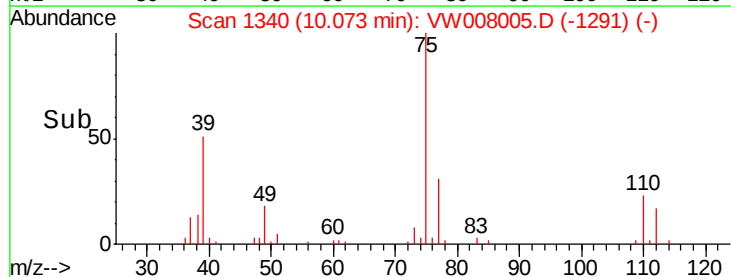
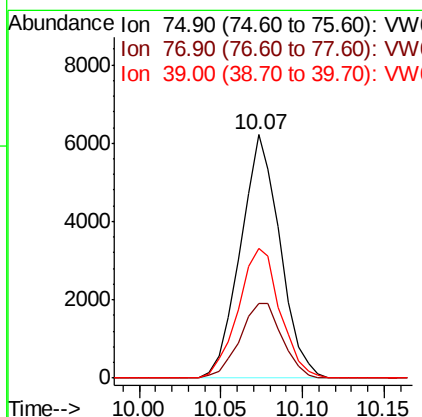
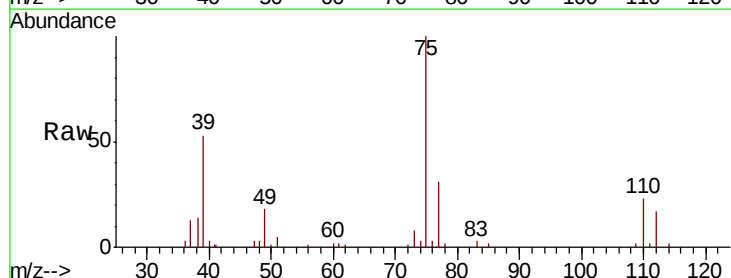
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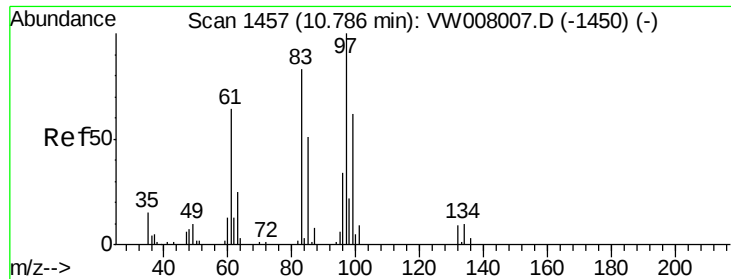
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#54
 cis-1,3-Dichloropropene
 Concen: 9.629 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Tgt Ion: 75 Resp: 10471
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.9 38.9
 39 53.4 45.4 68.0





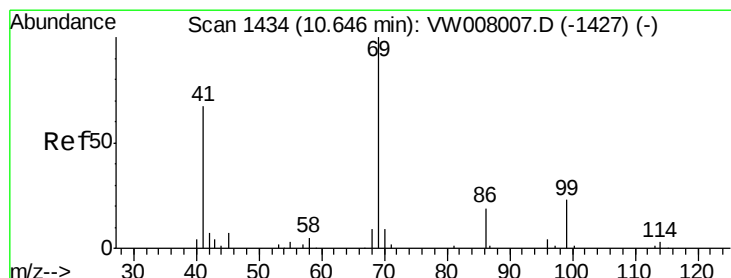
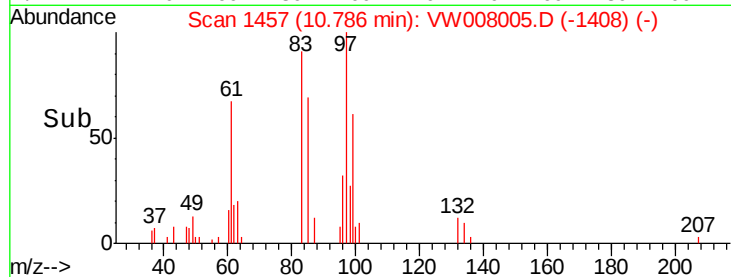
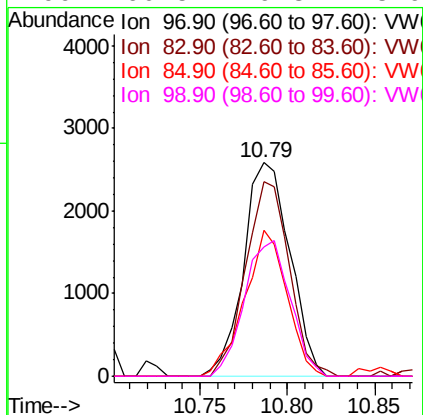
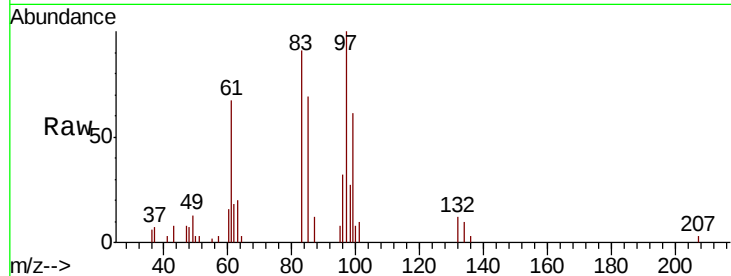
#55
 1,1,2-Trichloroethane
 Concen: 9.700 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion:	97	Resp:	4752
Ion	Ratio	Lower	Upper
97	100		
83	90.9	66.2	99.2
85	68.6	41.0	61.4#
99	60.5	49.3	73.9

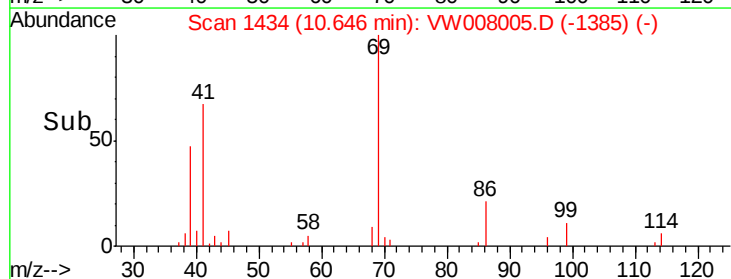
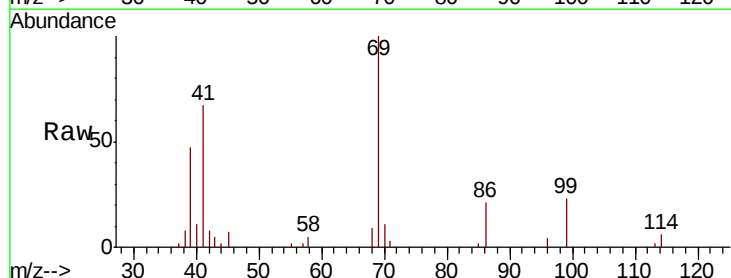
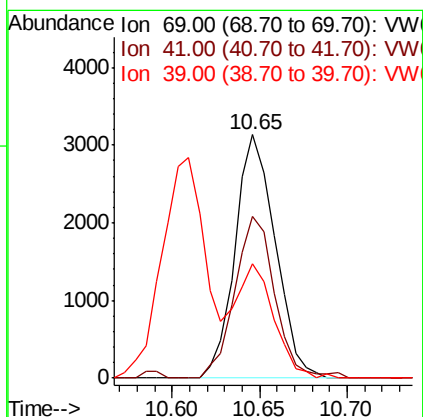
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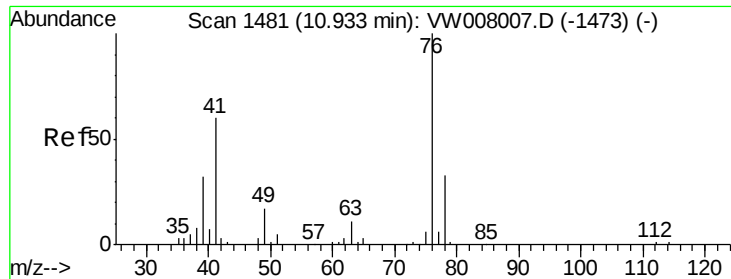
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 9.044 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Tgt Ion:	69	Resp:	5009
Ion	Ratio	Lower	Upper
69	100		
41	66.4	52.6	79.0
39	45.5	35.8	53.6





#57

1,3-Dichloropropane

Concen: 9.979 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 76 Resp: 8307

Ion Ratio Lower Upper

76 100

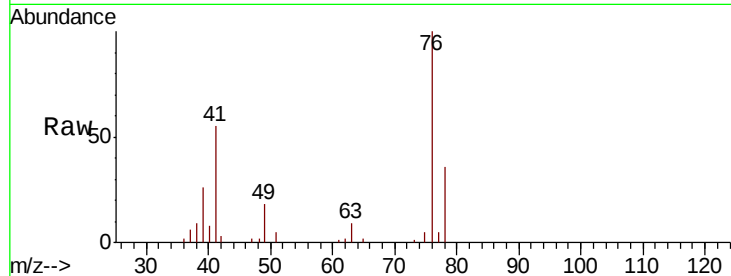
78 33.4 26.7 40.1

Manual Integrations

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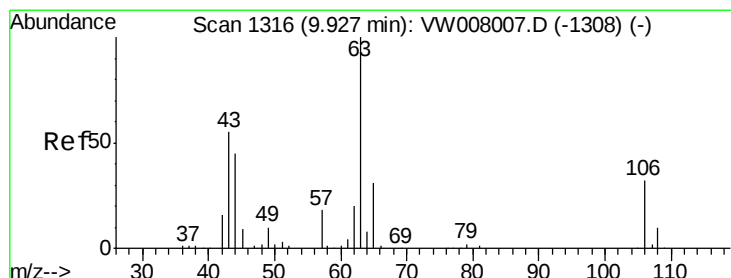
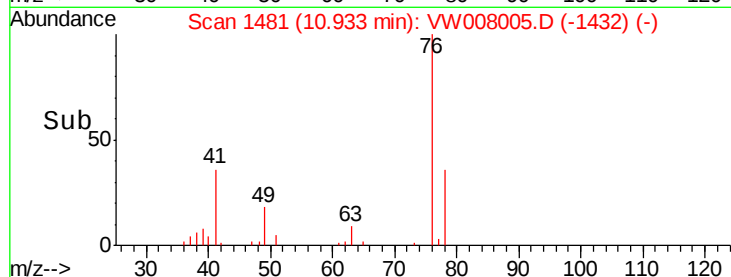
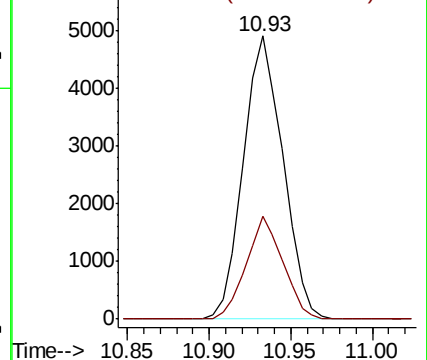
MMDadoda

1/3/2019 10:55:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 47.814 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW008005.D

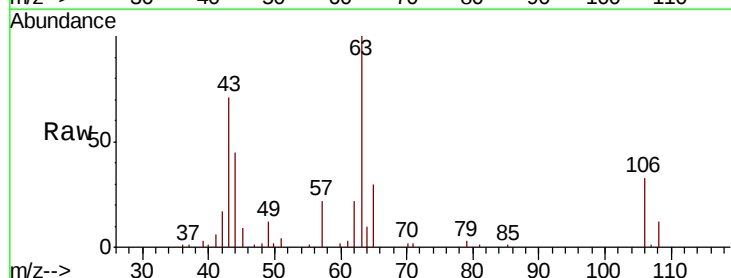
Acq: 02 Jan 2019 13:19

Tgt Ion: 63 Resp: 12559

Ion Ratio Lower Upper

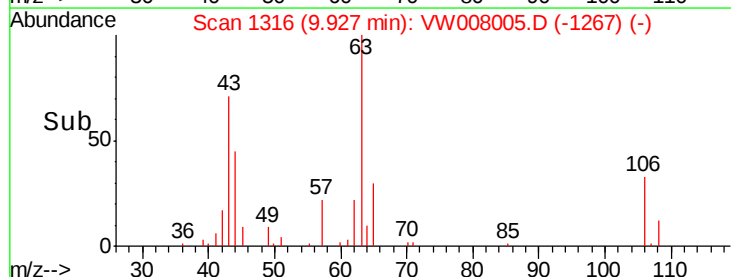
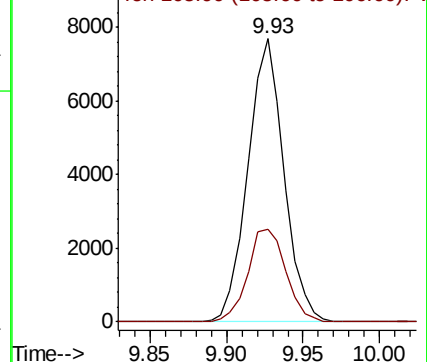
63 100

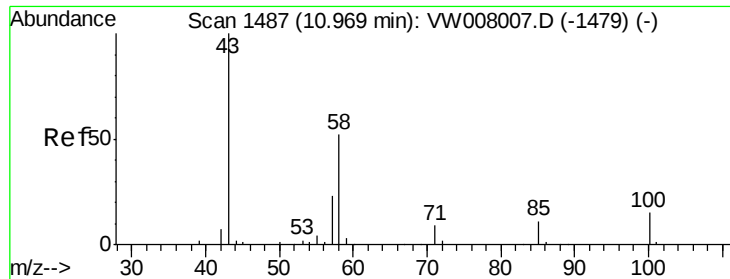
106 34.7 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





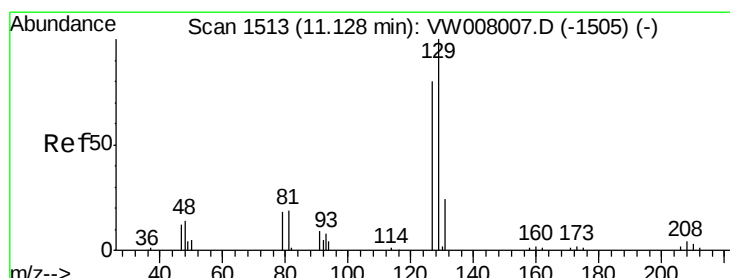
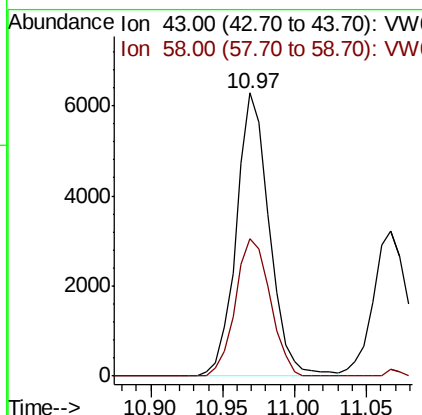
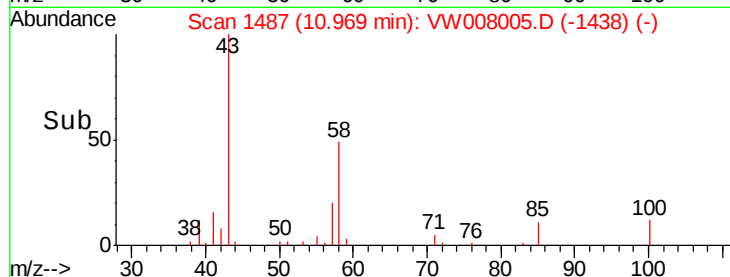
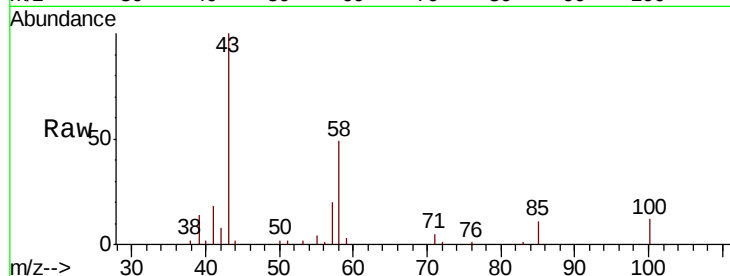
#59
2-Hexanone
Concen: 48.232 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 10026
Ion Ratio Lower Upper
43 100
58 50.9 27.1 81.2

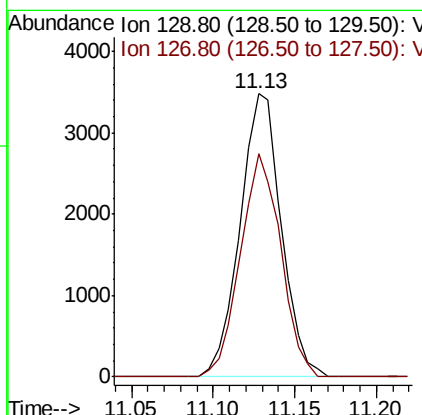
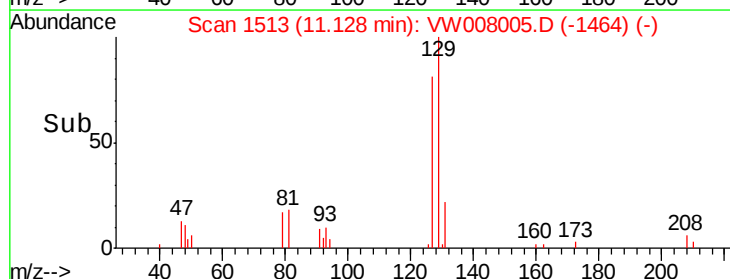
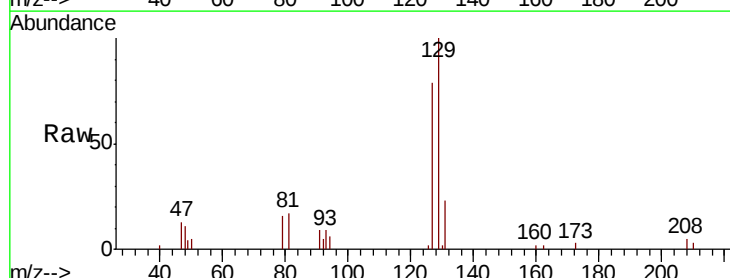
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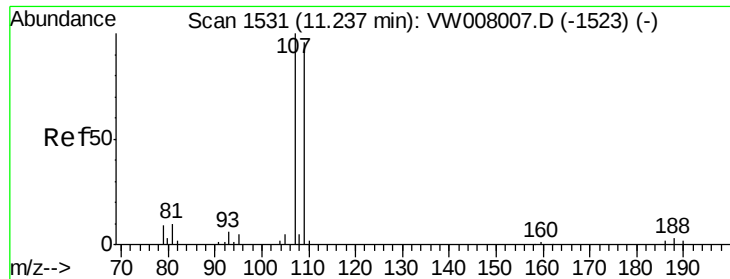
MMDadoda
1/3/2019 10:55:15 AM



#60
Dibromochloromethane
Concen: 9.157 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion: 129 Resp: 6141
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 9.654 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 4733

Ion Ratio Lower Upper

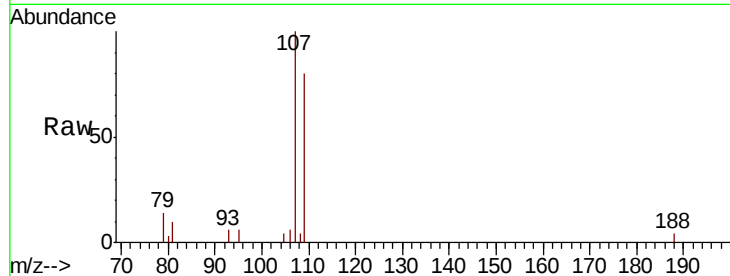
107 100

109 94.3 77.2 115.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

3000

2500

2000

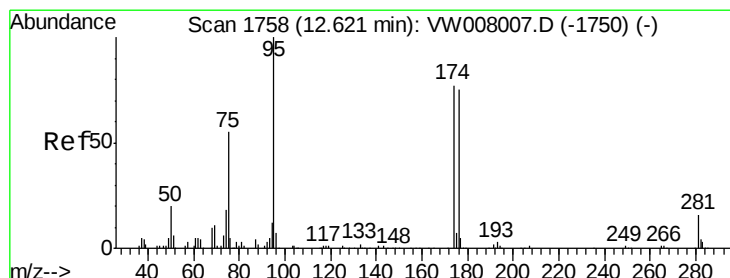
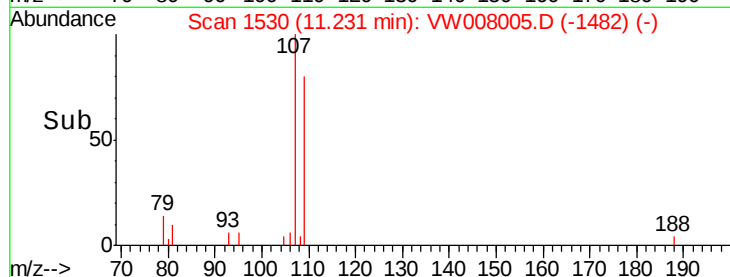
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 9.877 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

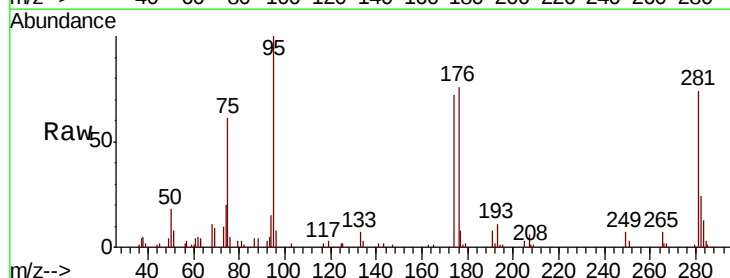
Tgt Ion: 95 Resp: 9842

Ion Ratio Lower Upper

95 100

174 73.2 0.0 149.6

176 75.8 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

8000

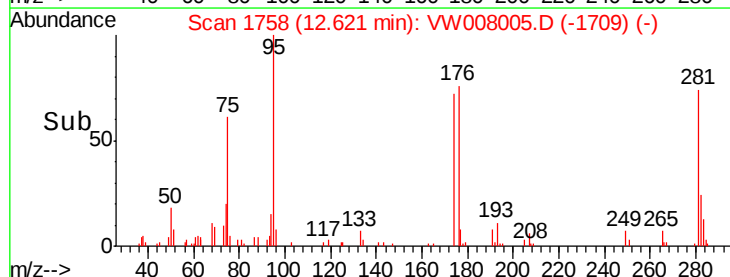
6000

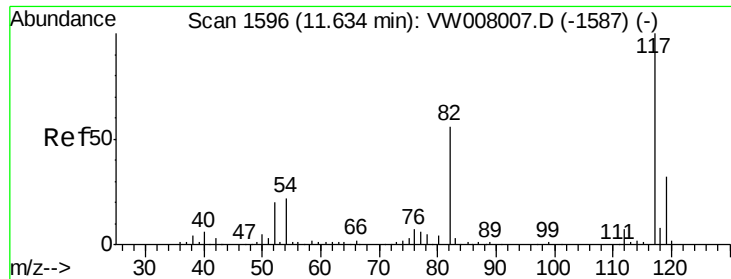
4000

2000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

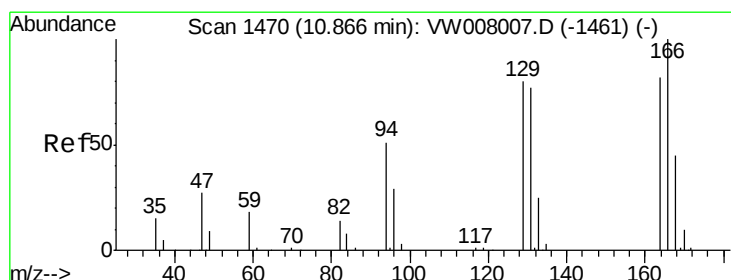
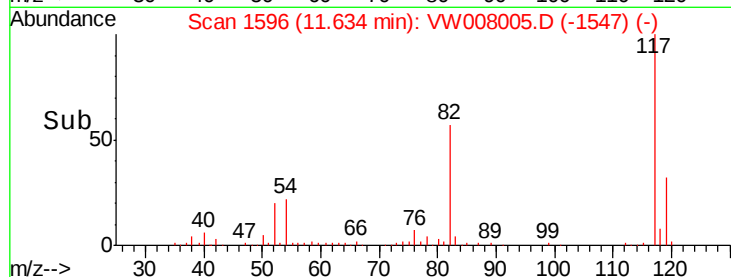
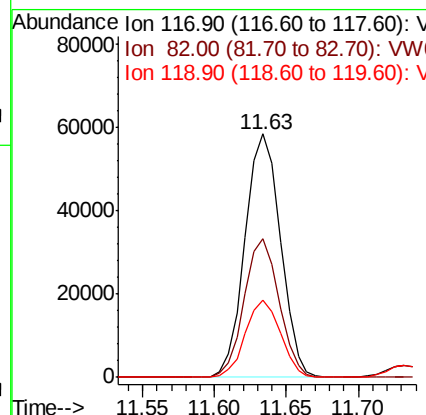
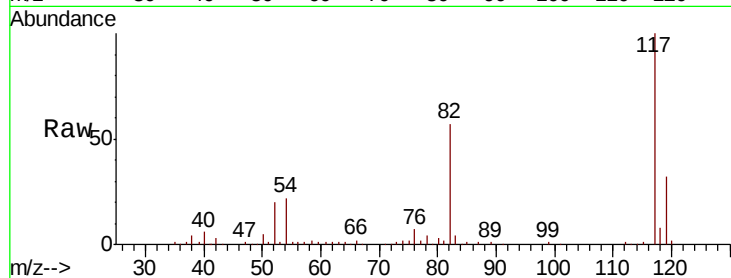
ClientSampleId :

VSTDIC010

Tot Ion:	117	Resp:	99889
Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.8	67.2
119	31.5	25.6	38.4

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#64

Tetrachloroethene

Concen: 9.594 ug/l

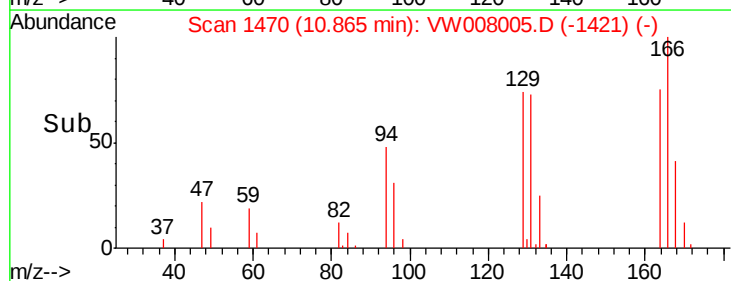
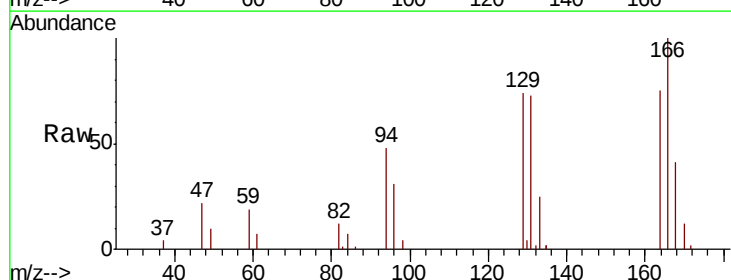
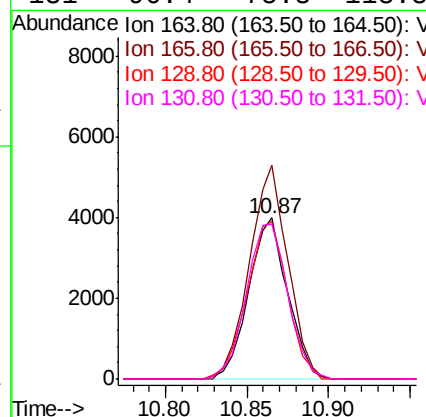
RT: 10.87 min Scan# 1470

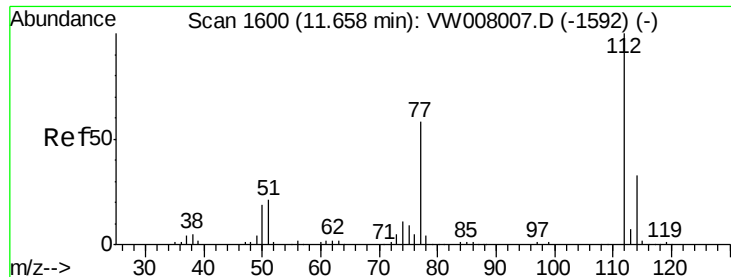
Delta R.T. -0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion:	164	Resp:	6620
Ion	Ratio	Lower	Upper
164	100		
166	132.5	98.1	147.1
129	97.7	78.0	117.0
131	96.4	75.8	113.8





#65

Chlorobenzene

Concen: 9.866 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:112 Resp: 21063

Ion Ratio Lower Upper

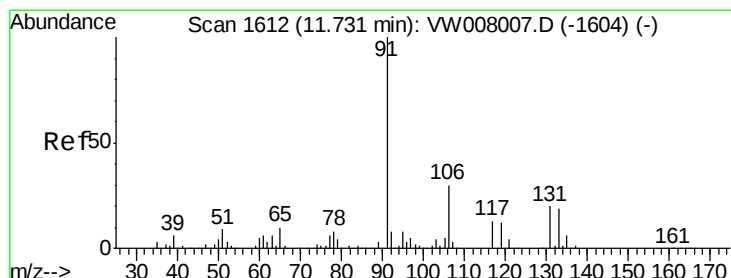
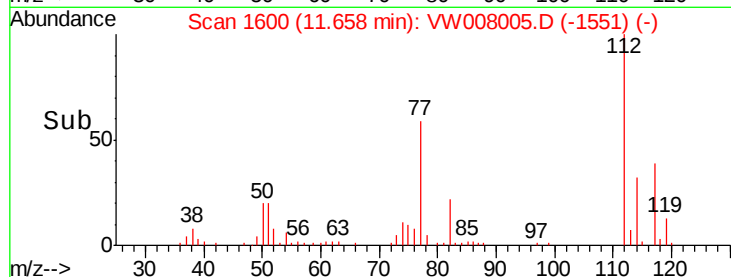
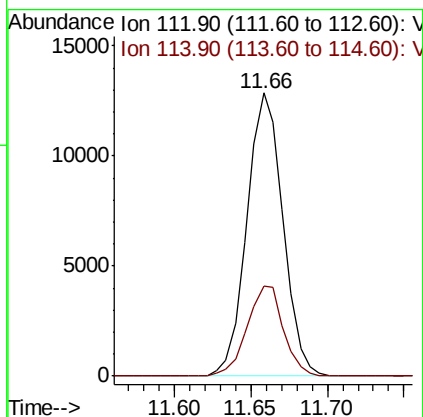
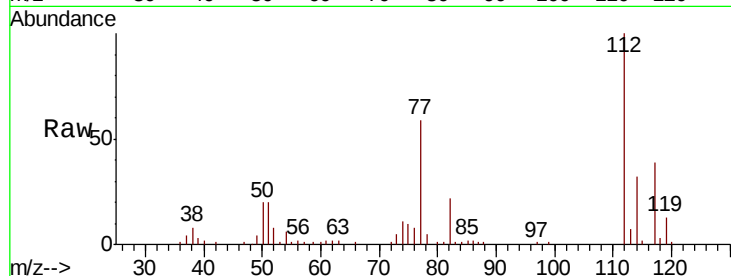
112 100

114 32.0 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 9.725 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

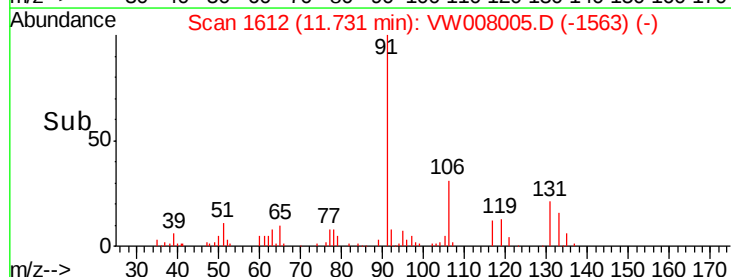
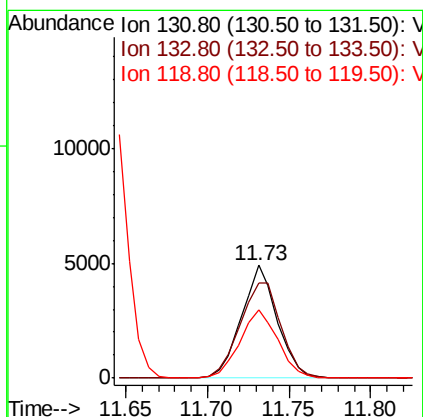
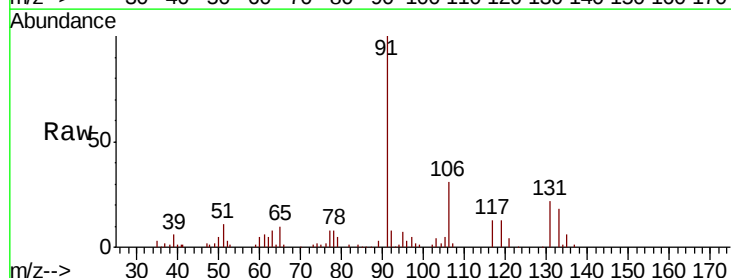
Tgt Ion:131 Resp: 7518

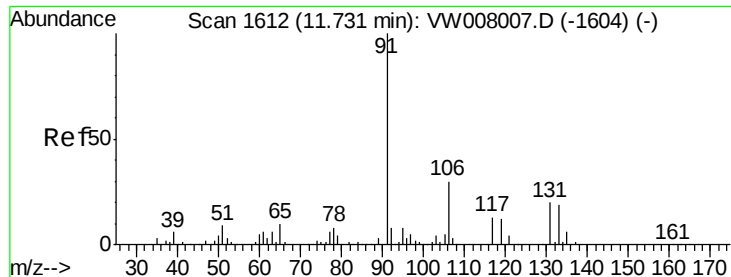
Ion Ratio Lower Upper

131 100

133 97.2 49.1 147.3

119 63.6 30.6 91.6





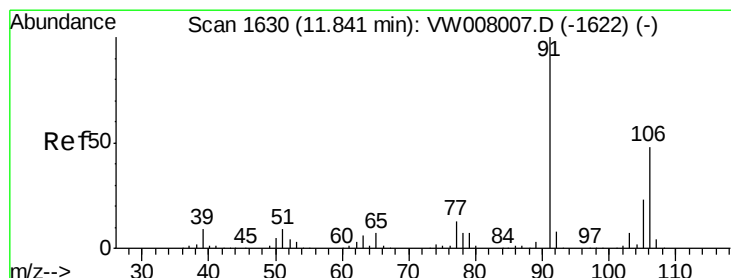
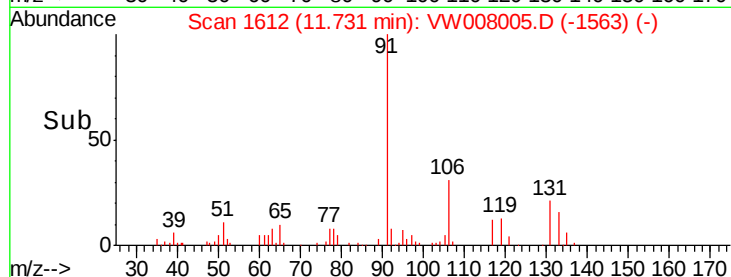
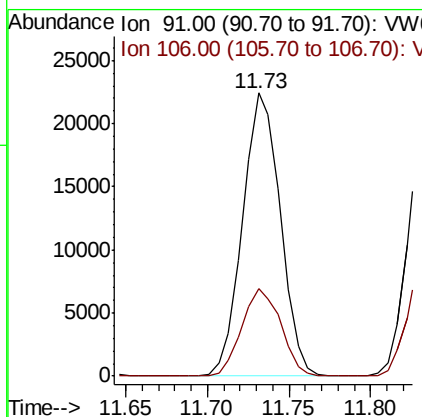
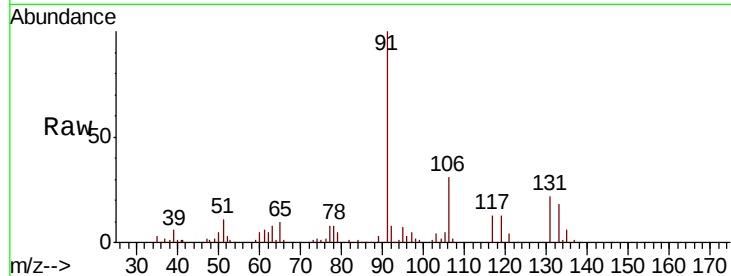
#67
Ethyl Benzene
Concen: 9.554 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 36201
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5

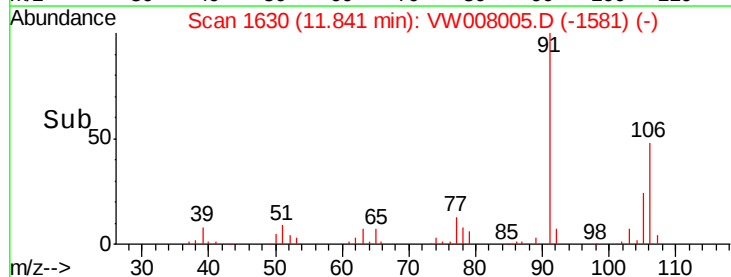
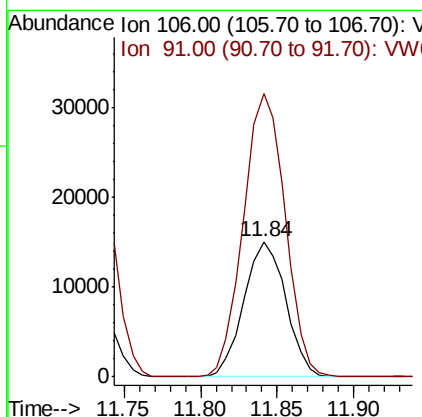
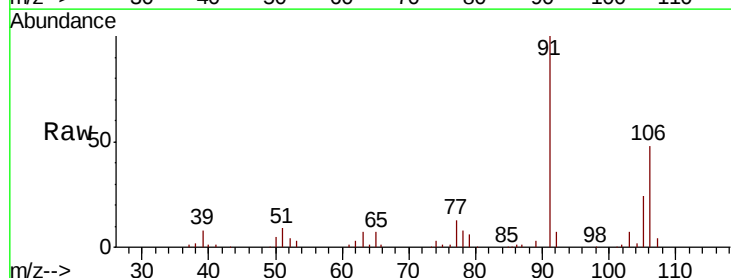
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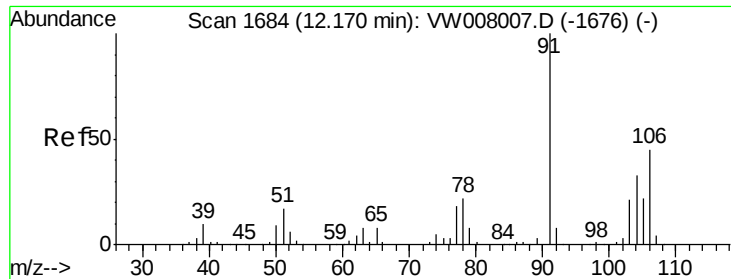
MMDadoda
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#68
m/p-Xylenes
Concen: 19.549 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion: 106 Resp: 28638
Ion Ratio Lower Upper
106 100
91 209.4 165.8 248.8





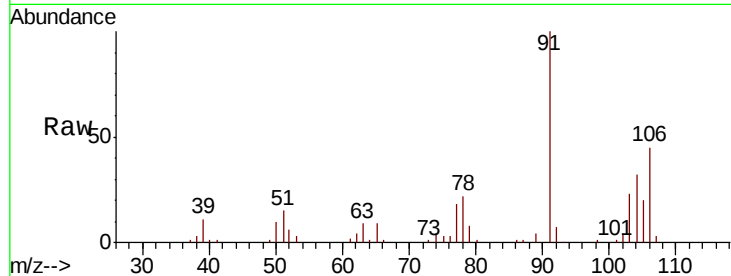
#69
o-Xylene
Concen: 9.695 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

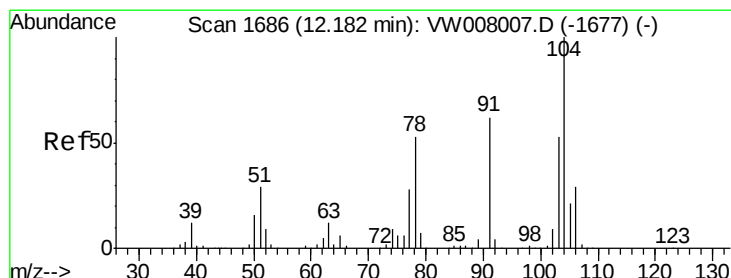
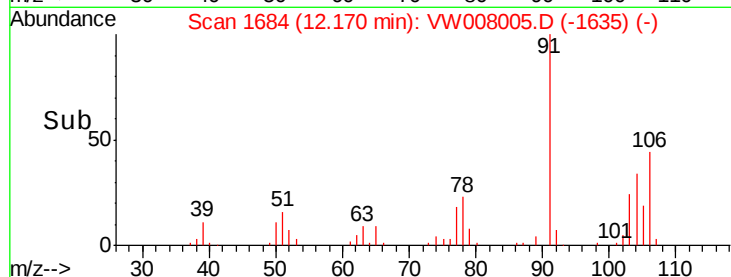
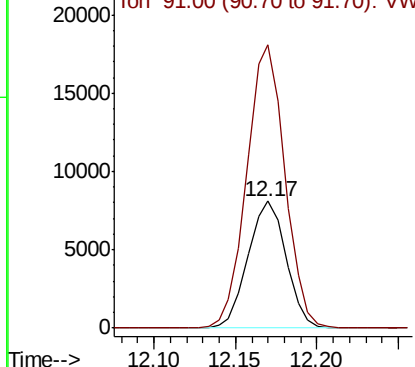
Tot Ion:106 Resp: 13216
Ion Ratio Lower Upper
106 100
91 222.5 110.6 331.6

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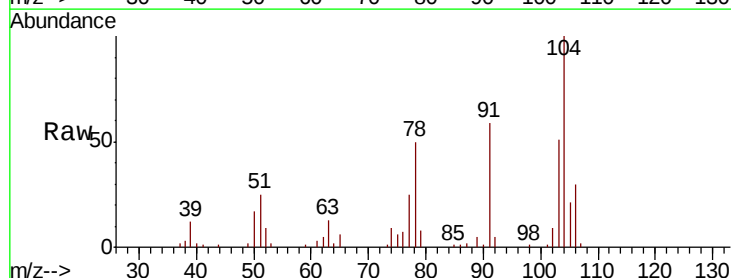


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

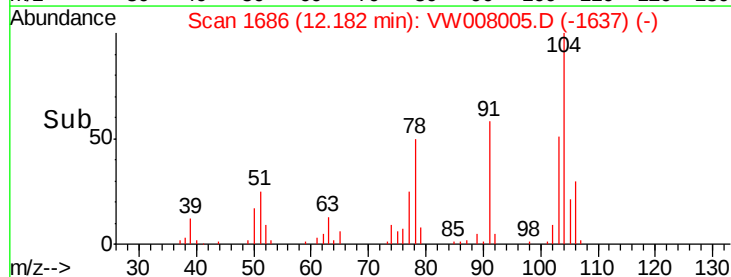
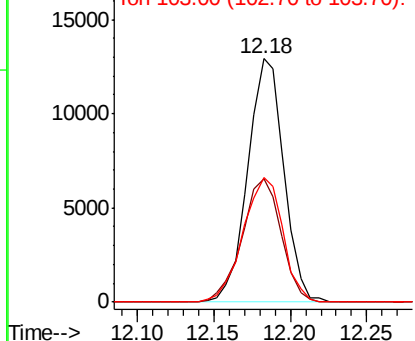


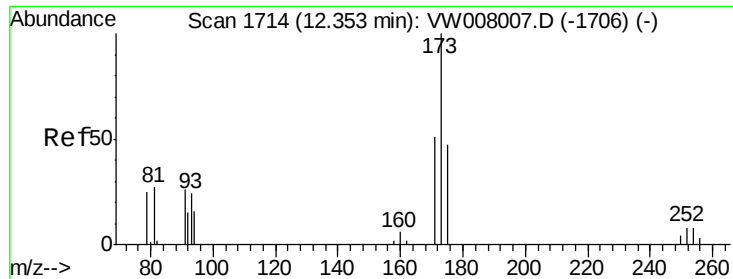
#70
Styrene
Concen: 9.546 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion:104 Resp: 21210
Ion Ratio Lower Upper
104 100
78 54.7 44.0 66.0
103 56.5 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 9.395 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

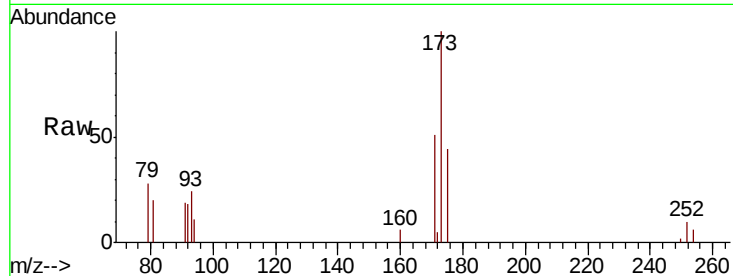
ClientSampled :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.6	71.0
254	0.0	0.0	0.0

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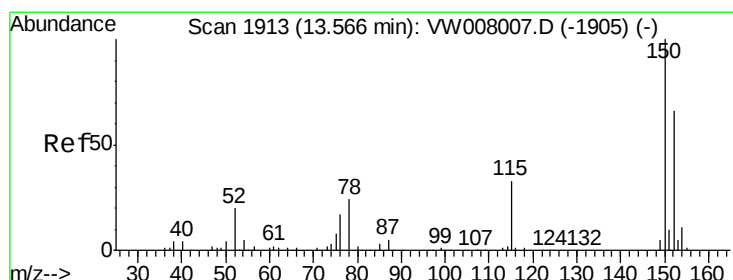
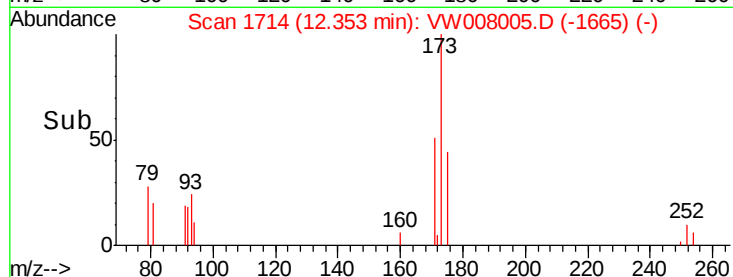
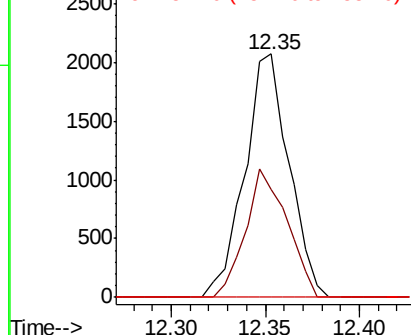


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

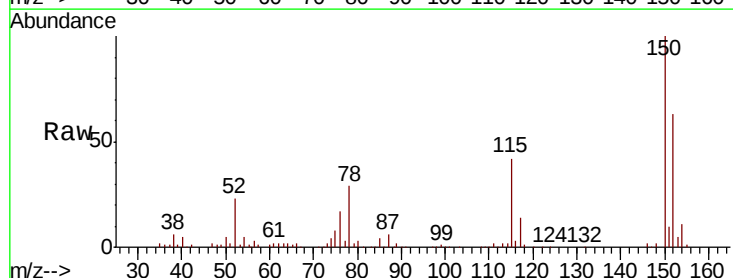
RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	32.1	96.5
150	159.1	0.0	345.0

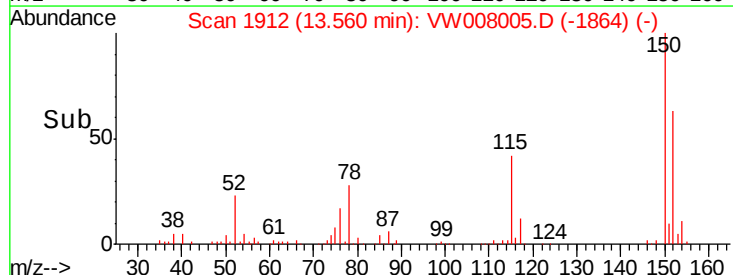
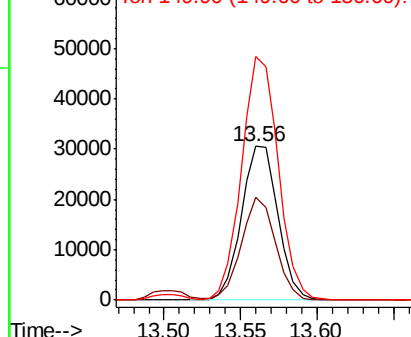


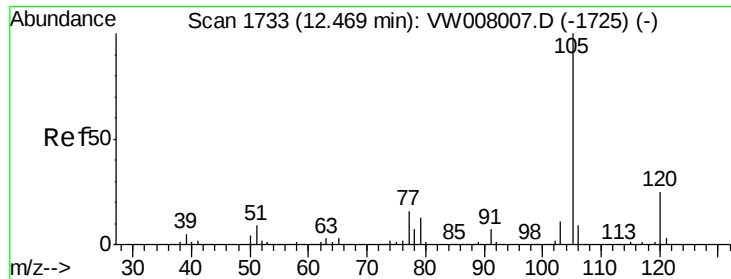
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.657 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 105 Resp: 38864

Ion Ratio Lower Upper

105 100

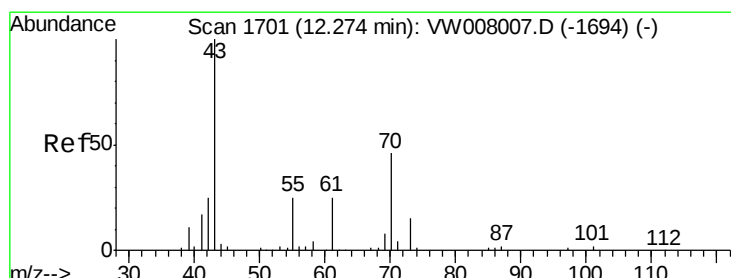
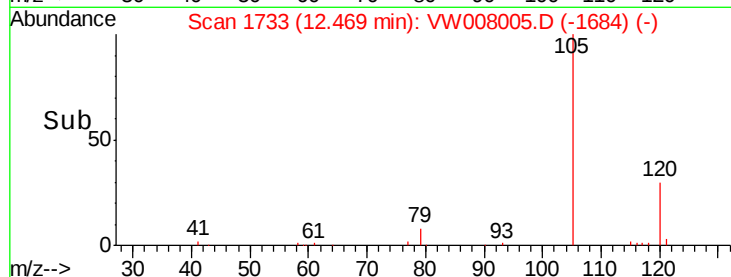
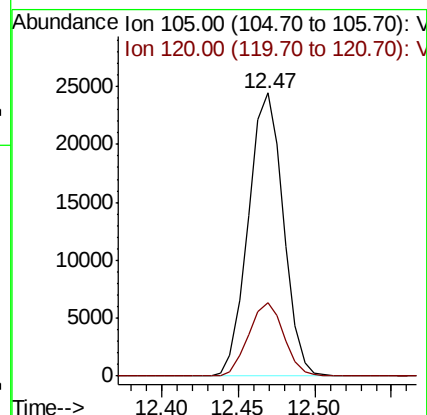
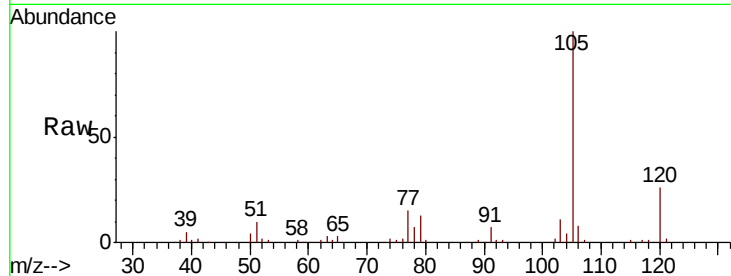
120 26.1 12.8 38.3

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#74

N-ethyl acetate

Concen: 9.106 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion: 43 Resp: 5704

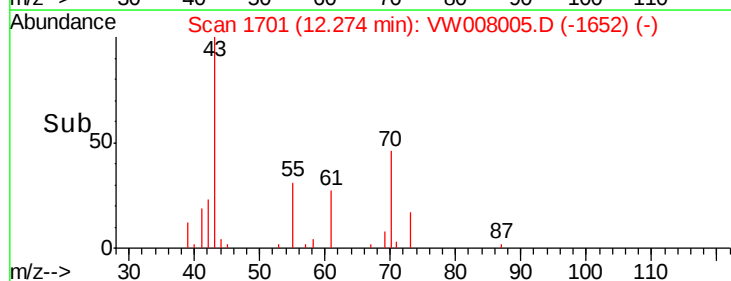
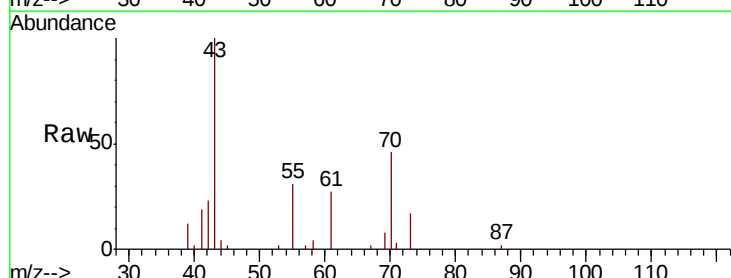
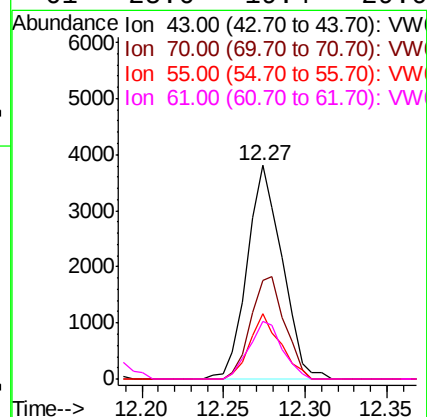
Ion Ratio Lower Upper

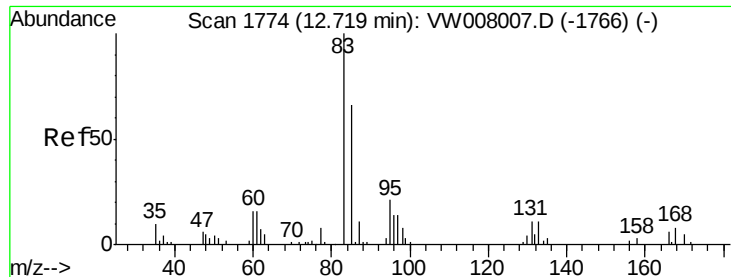
43 100

70 46.4 35.2 52.8

55 27.0 21.4 32.0

61 25.6 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 9.806 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

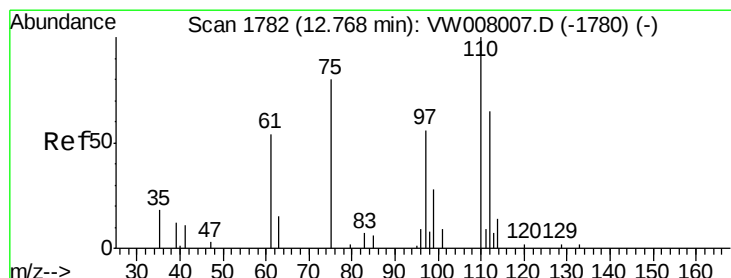
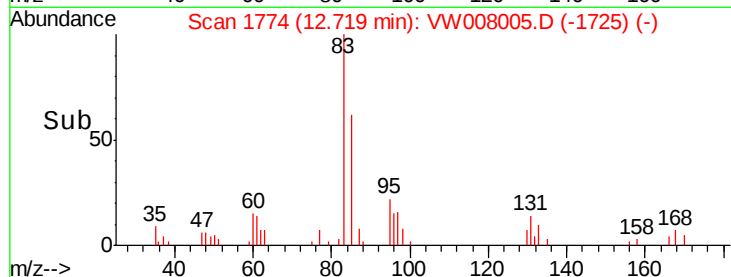
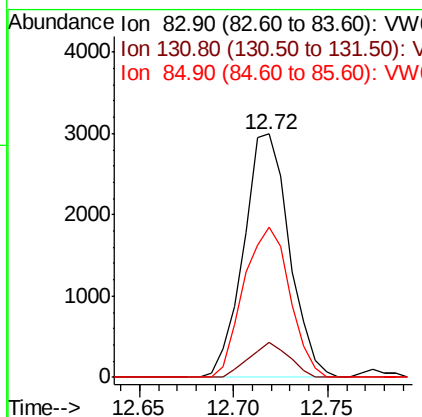
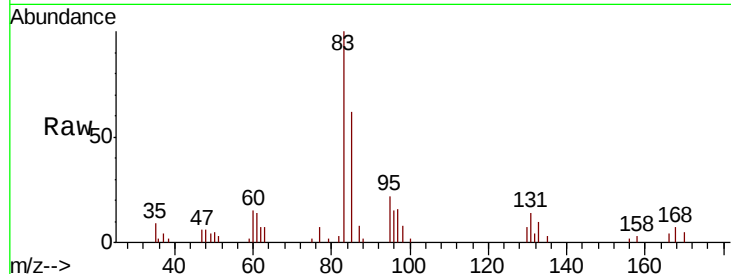
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	5021
Ion	Ratio	Lower	Upper
83	100		
131	12.4	6.5	19.5
85	62.3	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.551 ug/l m

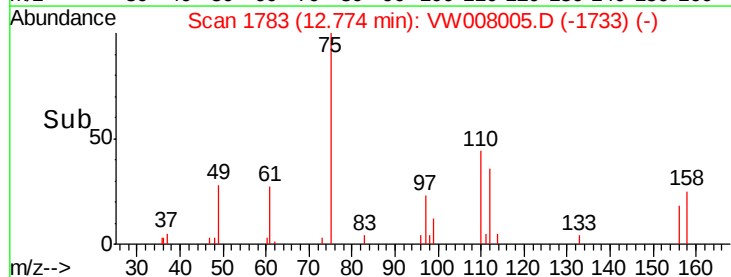
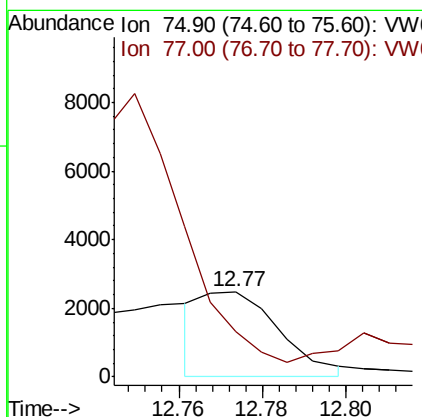
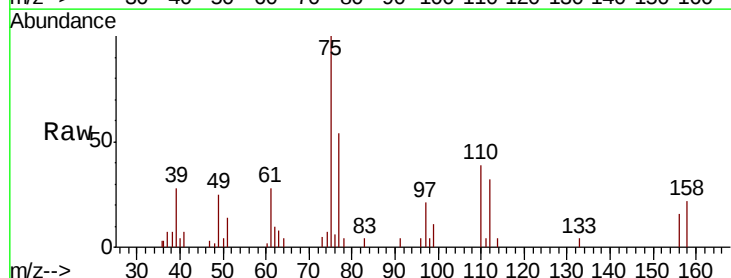
RT: 12.77 min Scan# 1783

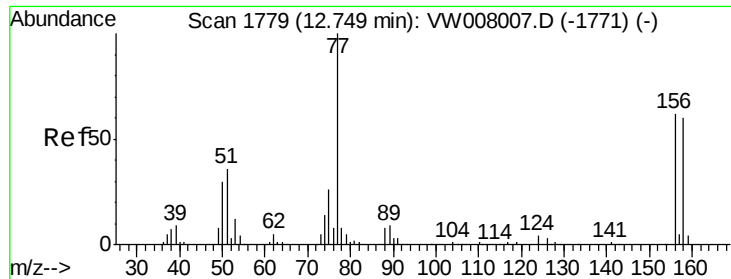
Delta R.T. 0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion:	75	Resp:	3208
Ion	Ratio	Lower	Upper
75	100		
77	0.0	186.2	558.6#





#77

Bromobenzene

Concen: 9.464 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:156 Resp: 8186

Ion Ratio Lower Upper

156 100

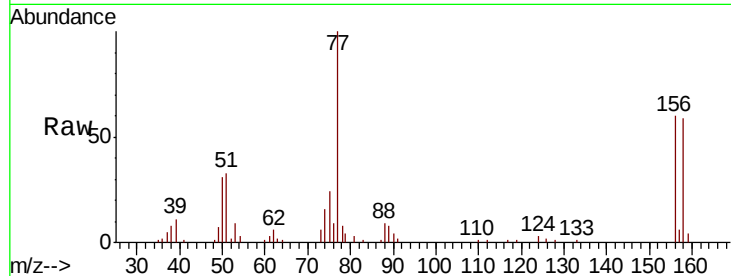
77 177.5 87.9 263.8

158 98.7 47.8 143.4

Manual Integrations
APPROVED

MMDadoda

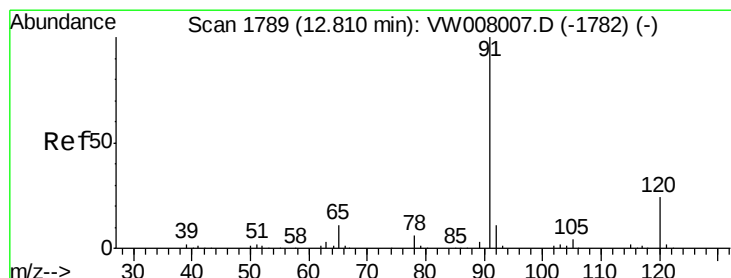
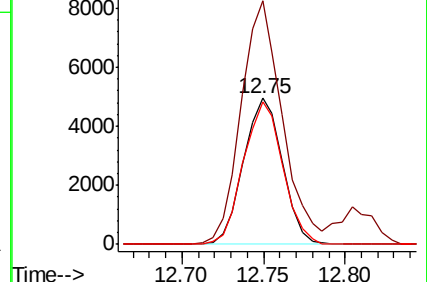
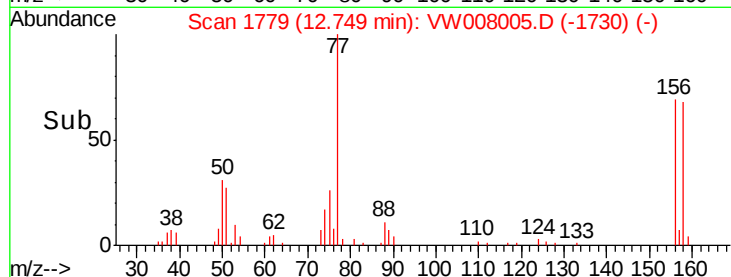
1/3/2019 10:55:15 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.524 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008005.D

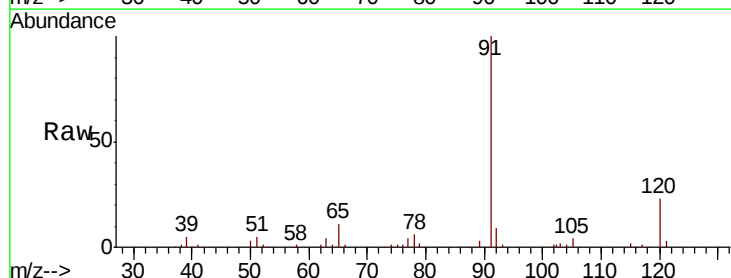
Acq: 02 Jan 2019 13:19

Tgt Ion: 91 Resp: 44437

Ion Ratio Lower Upper

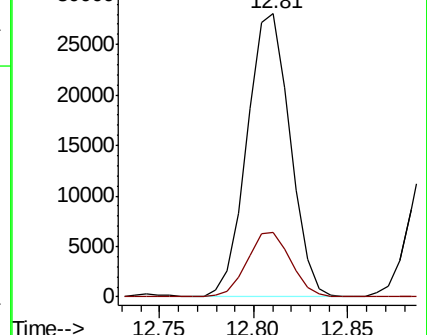
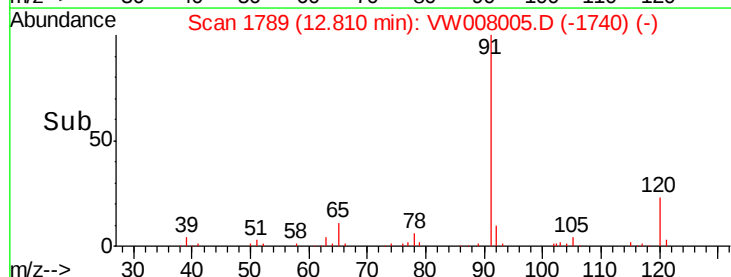
91 100

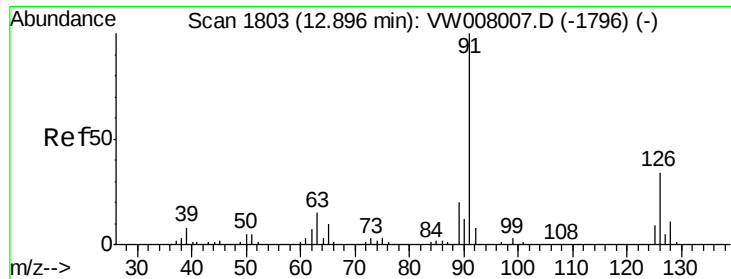
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.463 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 91.00 Resp: 25519

Ion Ratio Lower Upper

91 100

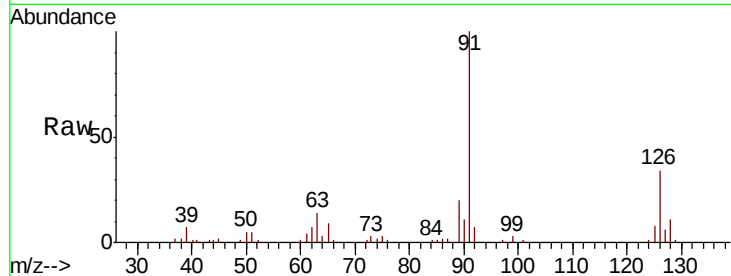
126 34.6 17.1 51.2

Manual Integrations

APPROVED

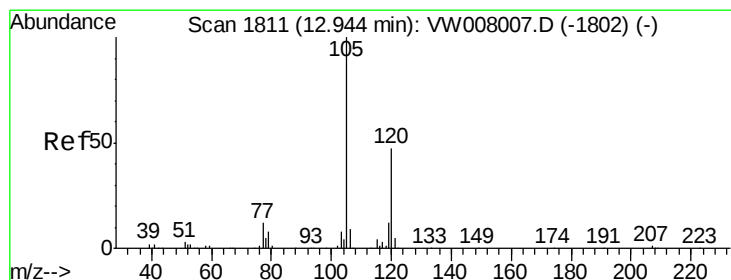
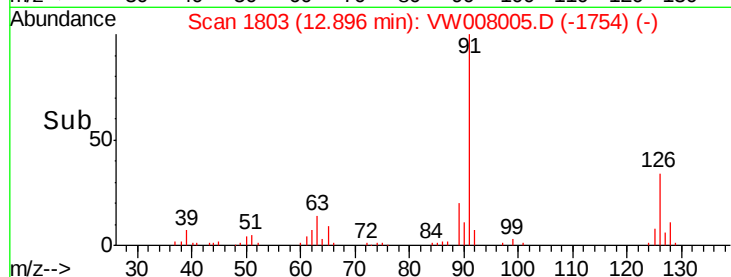
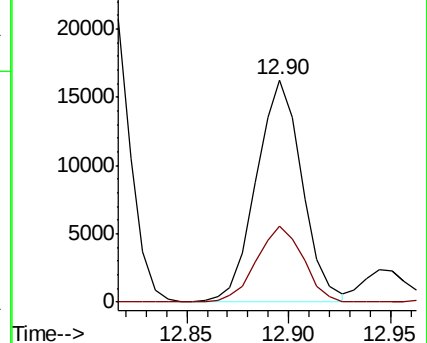
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.471 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008005.D

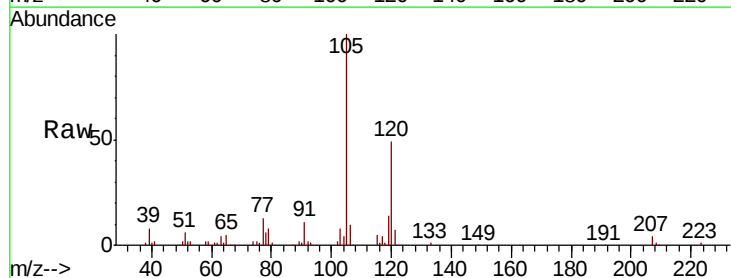
Acq: 02 Jan 2019 13:19

Tgt Ion: 105 Resp: 32806

Ion Ratio Lower Upper

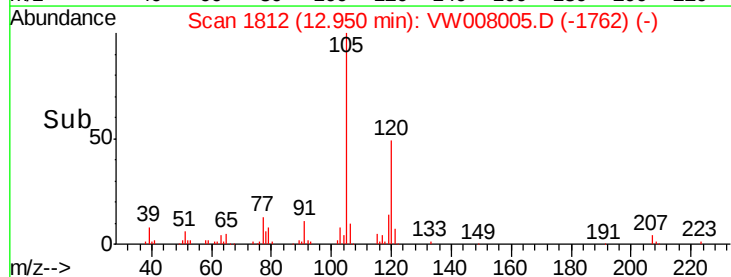
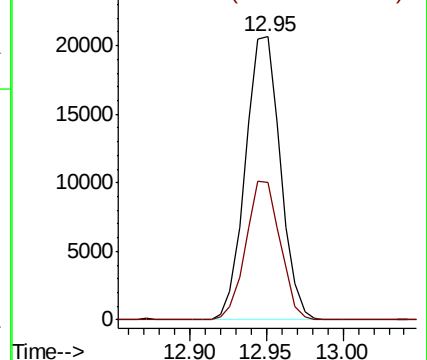
105 100

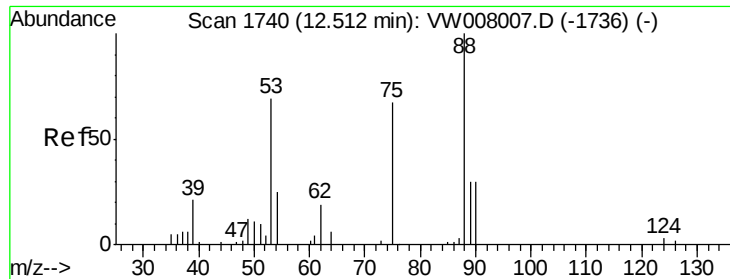
120 48.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





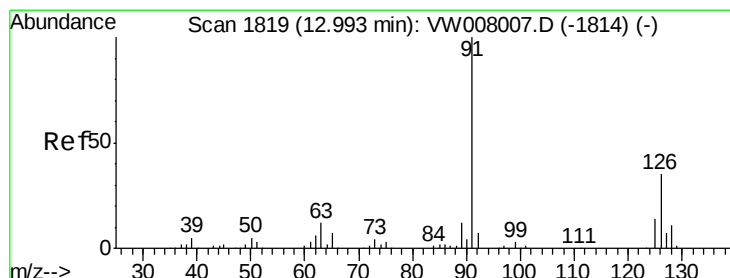
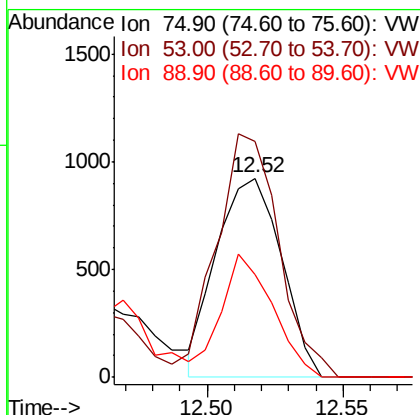
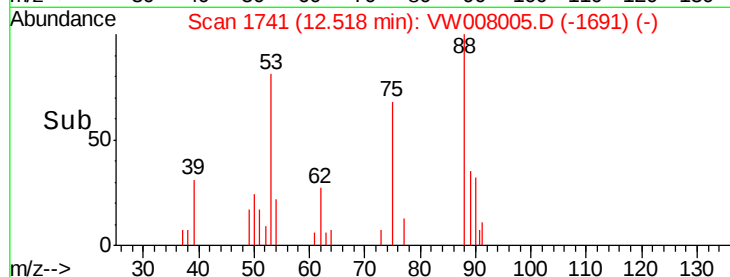
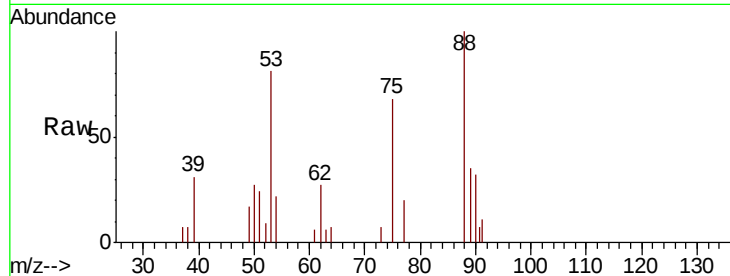
#81
trans-1,4-Dichloro-2-butene
Concen: 8.987 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.6	87.6	131.4
89	49.2	42.2	63.2

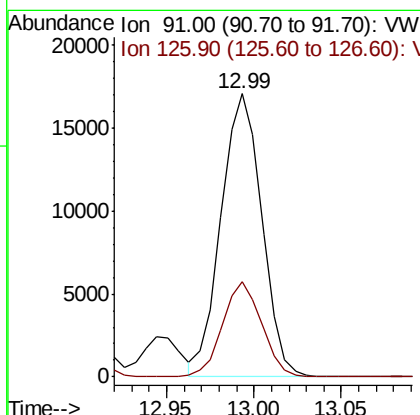
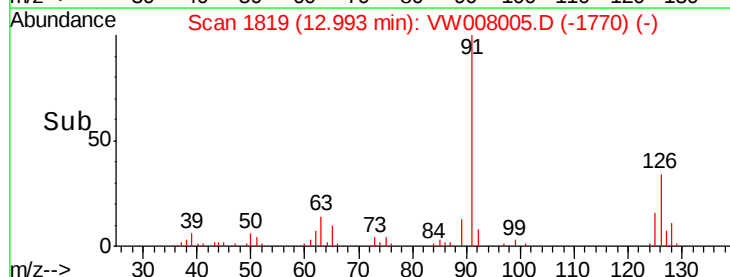
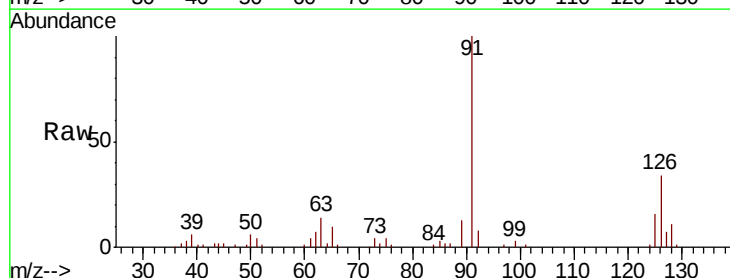
Manual Integrations
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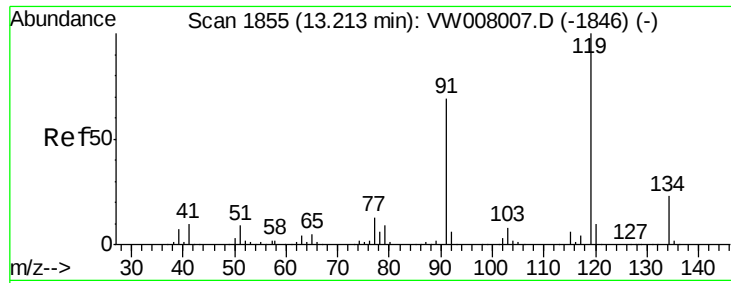
MMDadoda
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#82
4-Chlorotoluene
Concen: 9.640 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.7	50.1





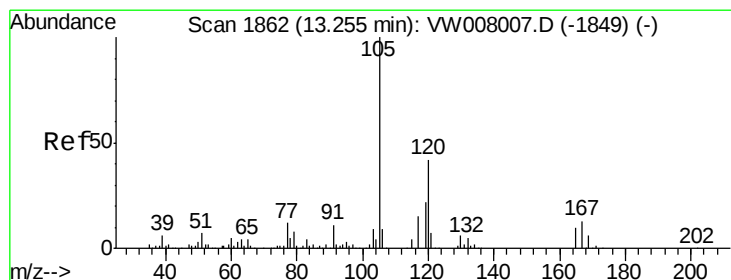
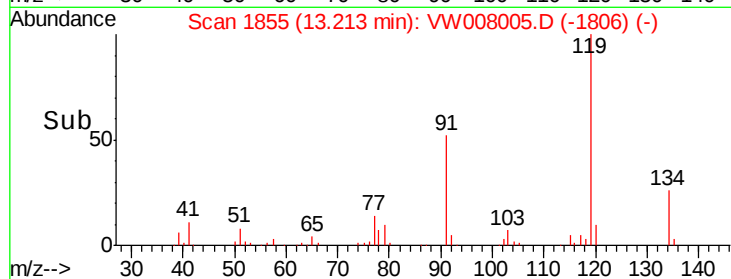
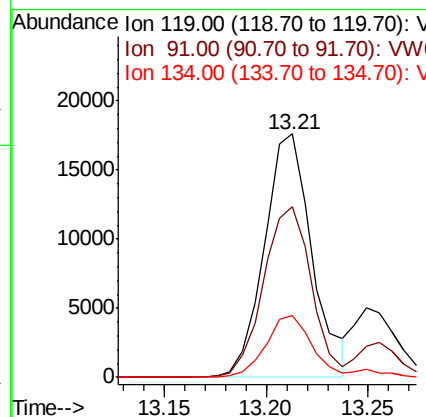
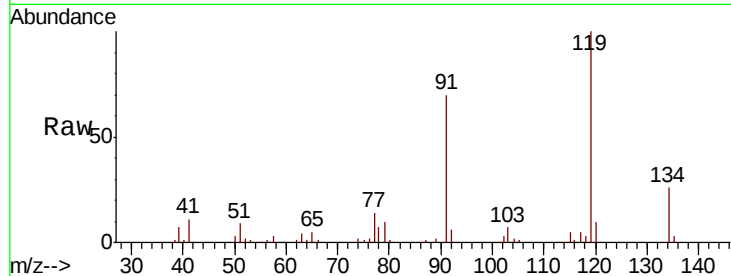
#83
tert-Butylbenzene
Concen: 9.457 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.4	34.7	104.1
134	24.8	11.5	34.4

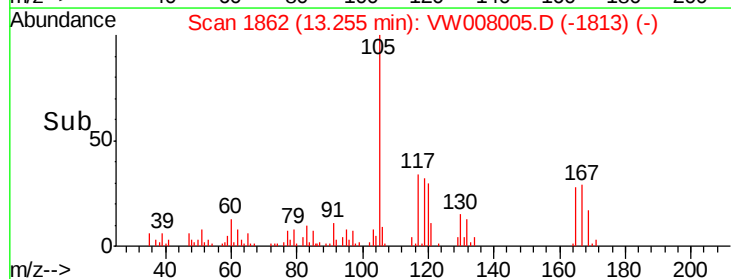
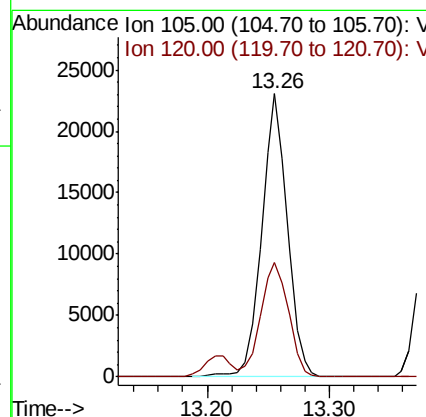
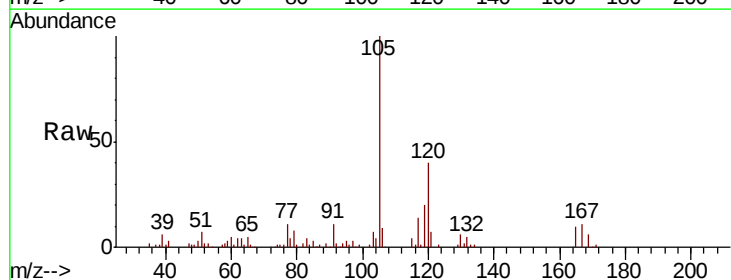
Manual Integrations
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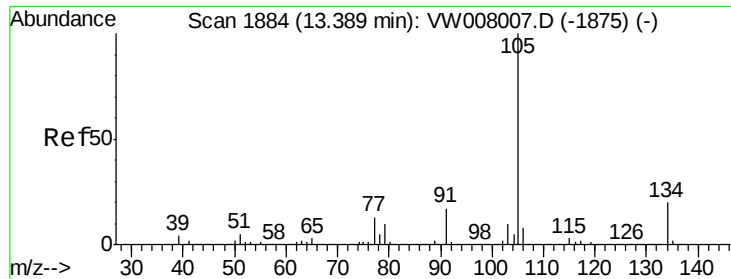
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 9.580 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.5	64.5





#85

sec-Butylbenzene

Concen: 9.636 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 40174

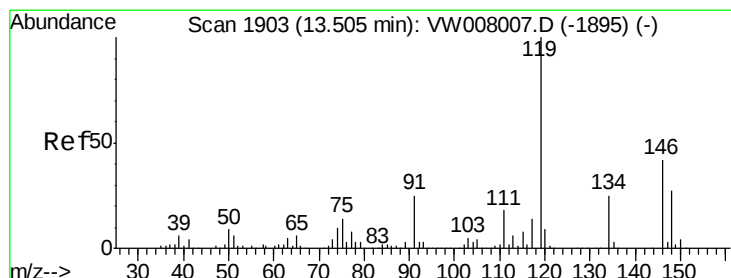
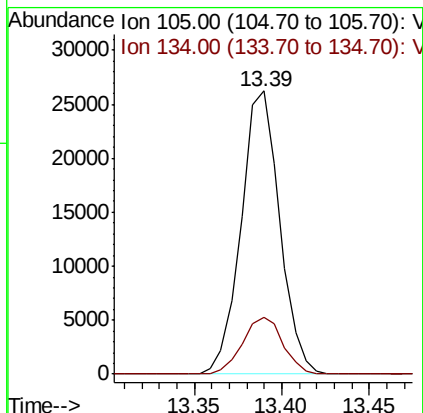
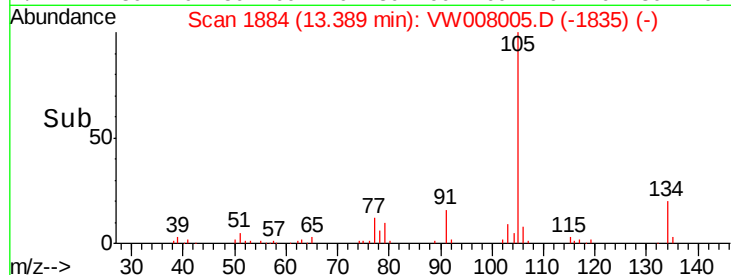
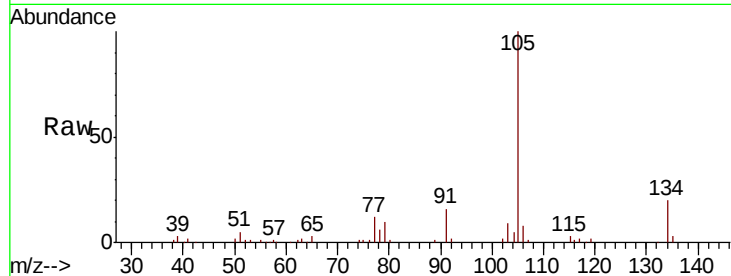
Ion Ratio Lower Upper

105 100

134 21.0 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 9.507 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

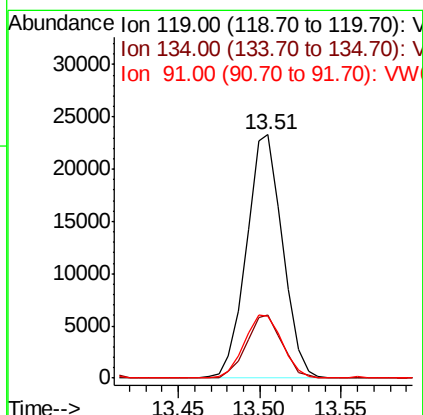
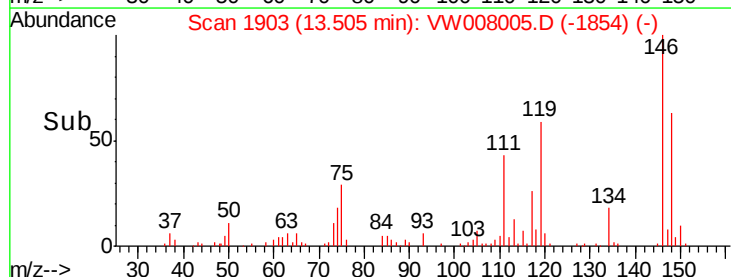
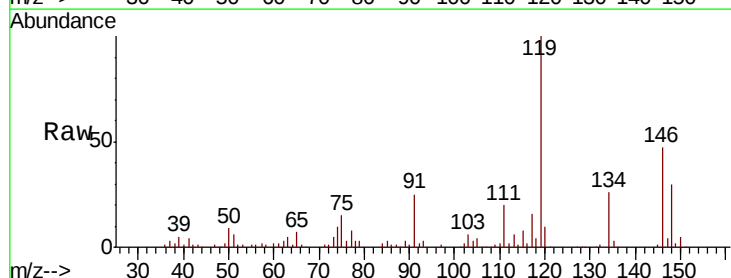
Tgt Ion:119 Resp: 35750

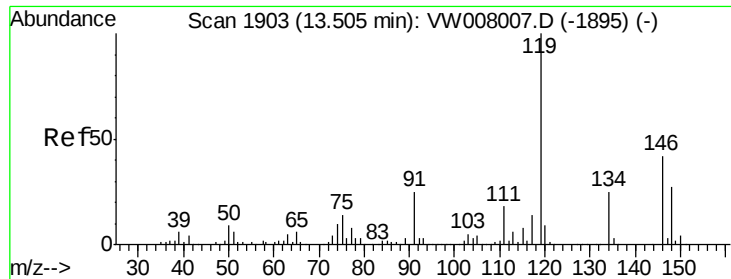
Ion Ratio Lower Upper

119 100

134 25.5 12.5 37.5

91 27.2 13.1 39.3





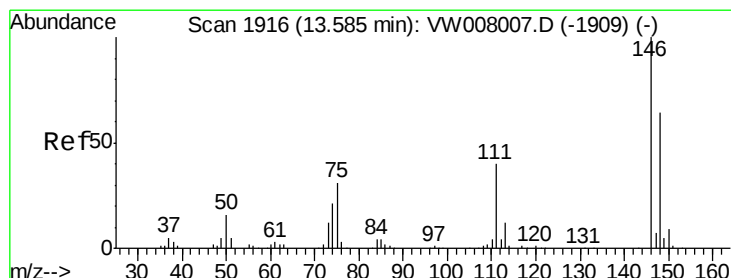
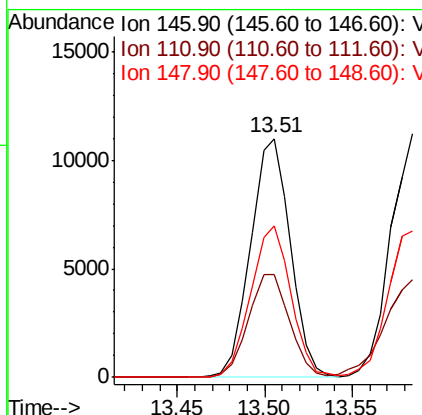
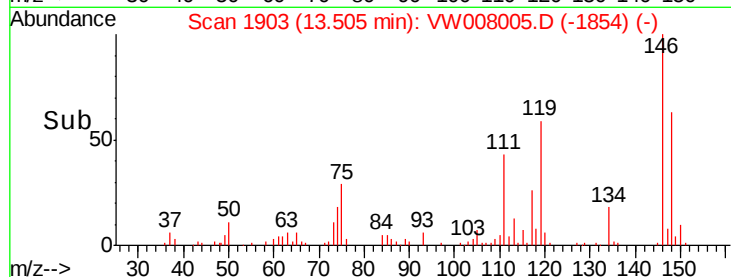
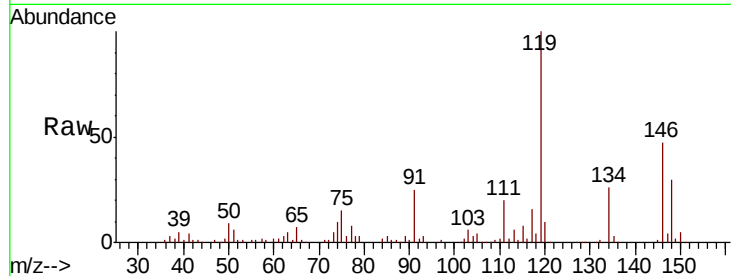
#87
 1,3-Dichlorobenzene
 Concen: 9.969 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.4	64.2
148	64.2	31.9	95.5

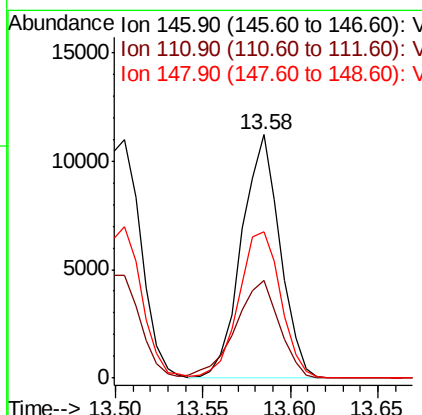
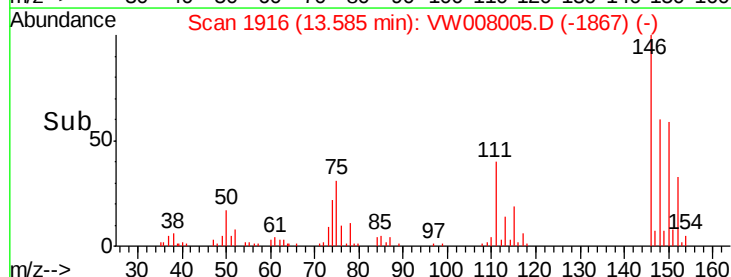
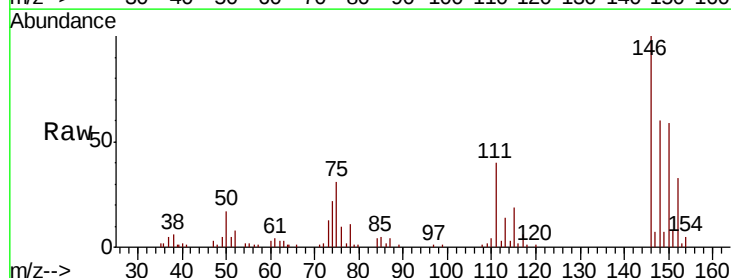
Manual Integrations
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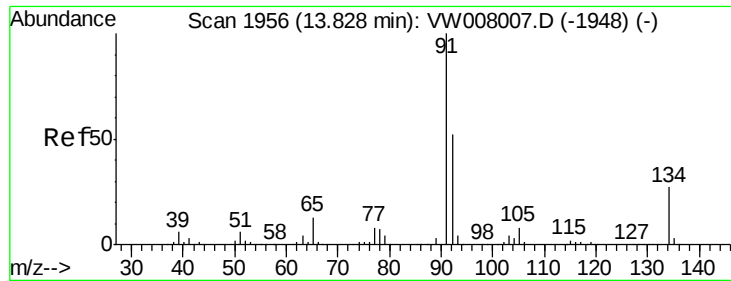
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#88
 1,4-Dichlorobenzene
 Concen: 9.913 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	20.9	62.8
148	66.0	31.9	95.9





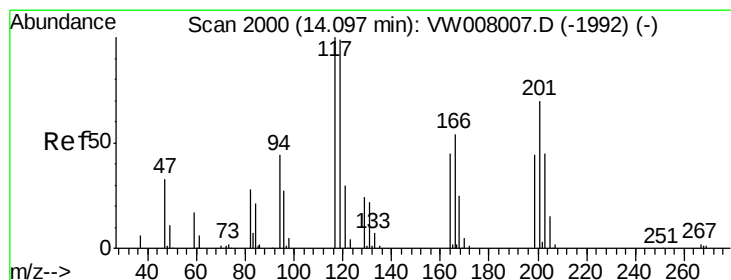
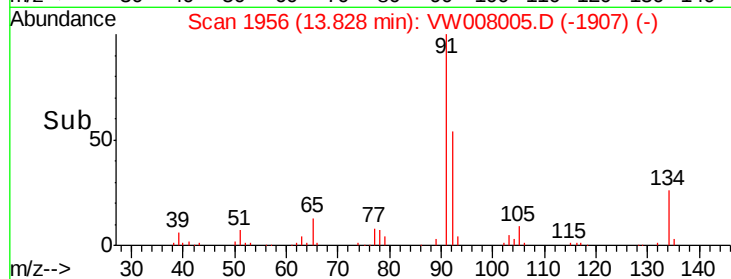
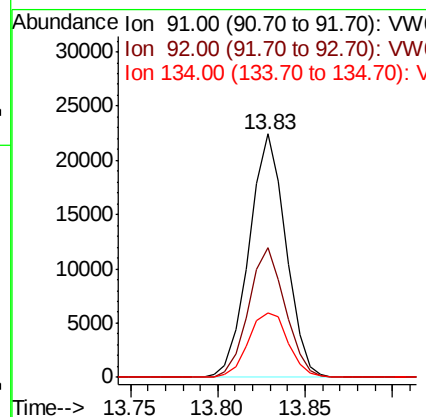
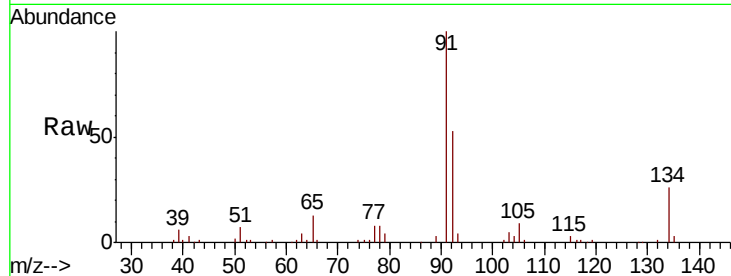
#89
n-Butylbenzene
Concen: 9.545 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	28.5	13.4	40.2

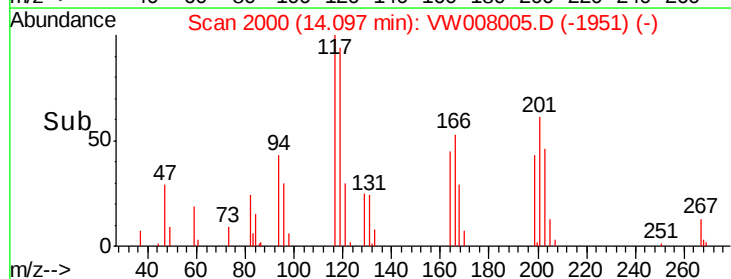
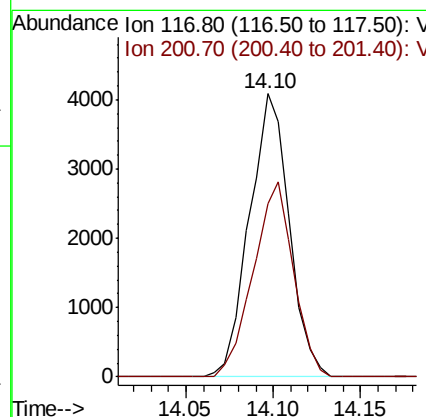
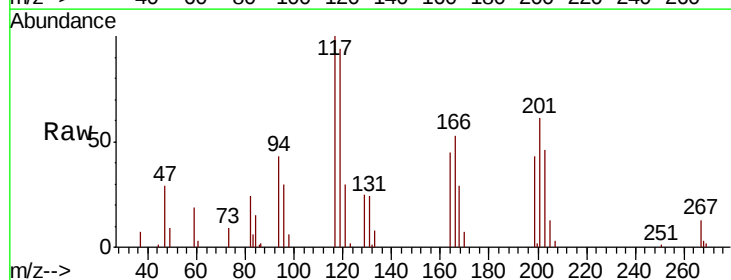
Manual Integrations
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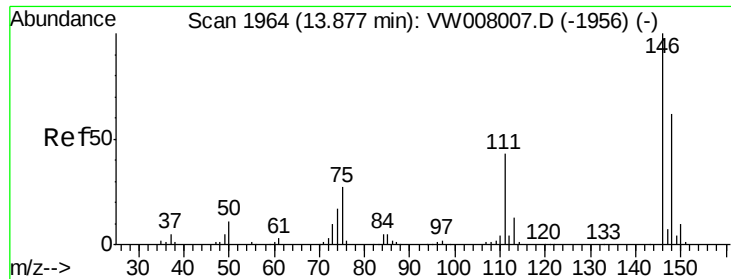
MMDadoda
1/3/2019 10:55:15 AM



#90
Hexachloroethane
Concen: 9.948 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008005.D
Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.7	37.1	111.5





#91

1,2-Dichlorobenzene

Concen: 9.706 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

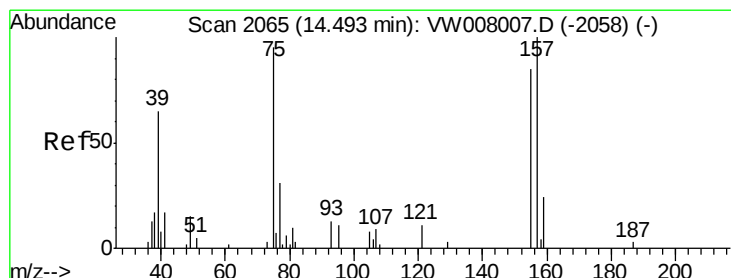
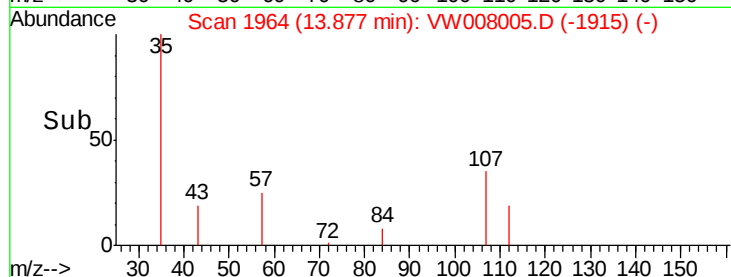
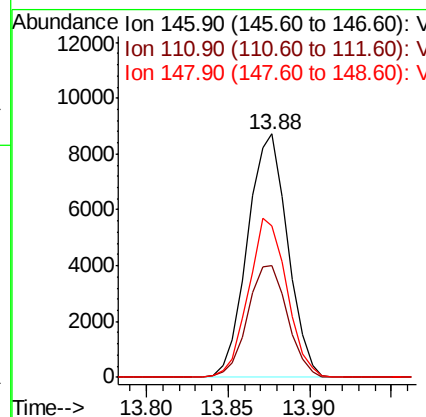
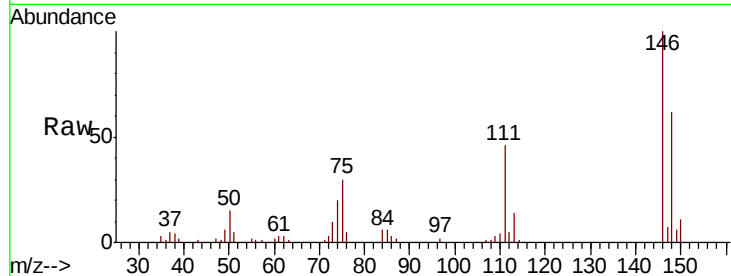
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	14886
Ion Ratio	Lower	Upper	
146	100		
111	45.7	22.6	67.7
148	62.8	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 9.728 ug/l

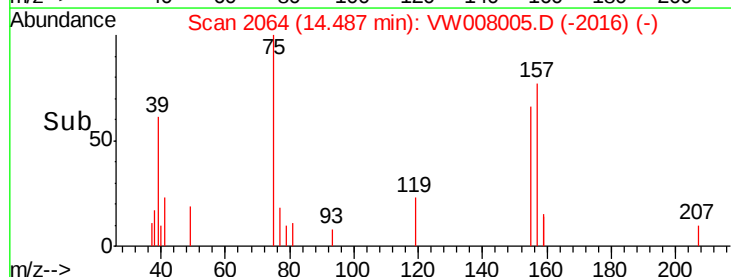
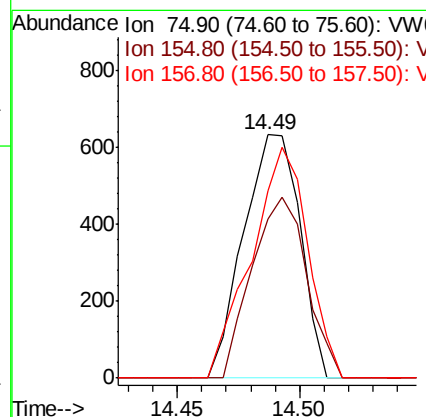
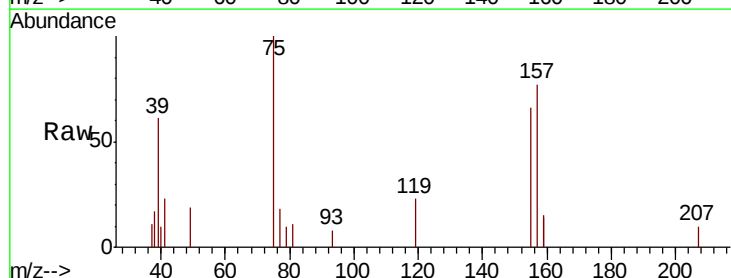
RT: 14.49 min Scan# 2064

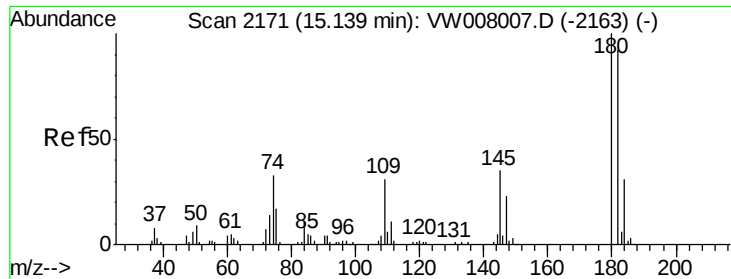
Delta R.T. -0.01 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion:	75	Resp:	1011
Ion Ratio	Lower	Upper	
75	100		
155	72.4	42.4	127.1
157	95.0	52.3	156.8





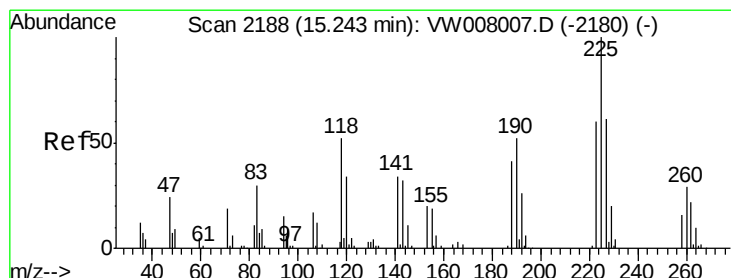
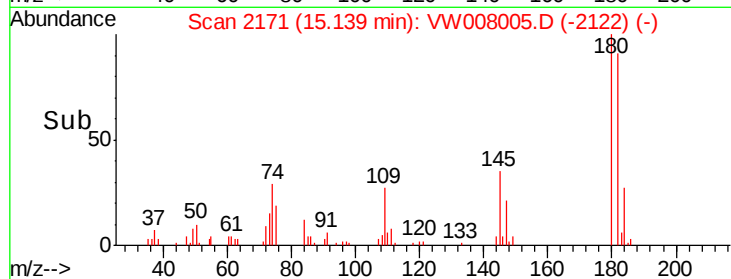
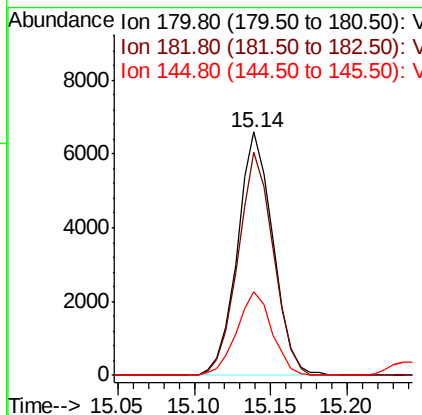
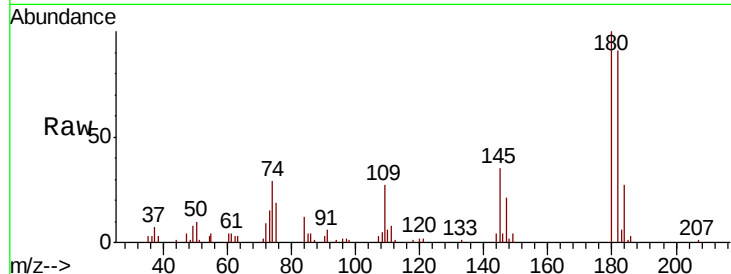
#93
 1,2,4-Trichlorobenzene
 Concen: 9.830 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.2	46.6	139.8	
145	34.1	17.2	51.6	

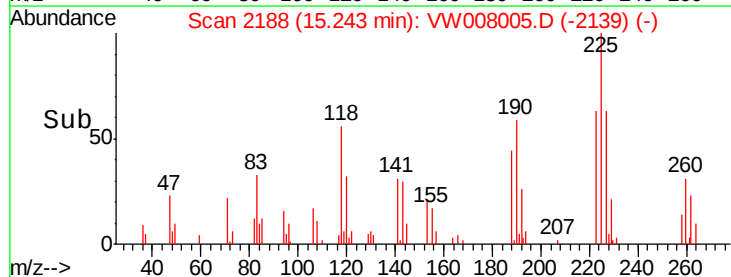
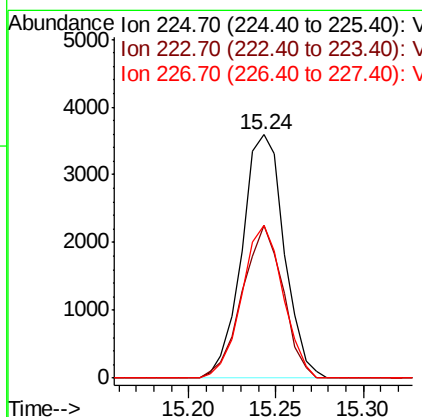
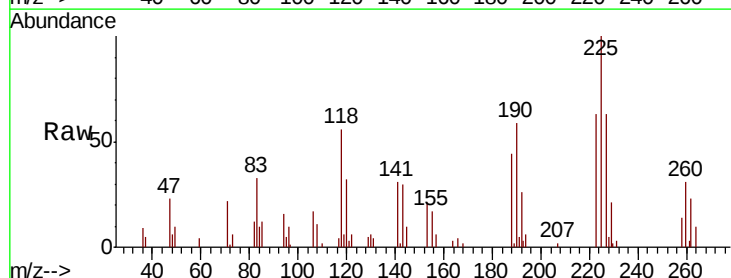
Manual Integrations
 APPROVED

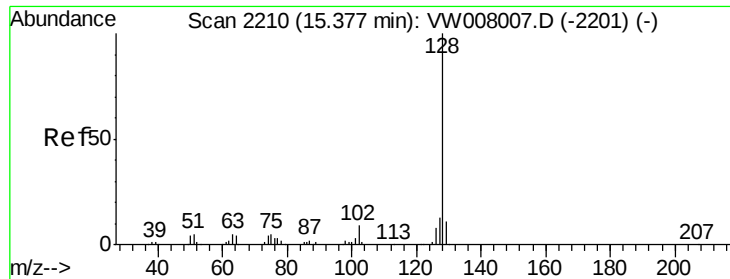
MMDadoda
 1/3/2019 10:55:15 AM



#94
 Hexachlorobutadiene
 Concen: 9.742 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008005.D
 Acq: 02 Jan 2019 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.2	30.6	92.0	
227	61.2	31.3	93.8	





#95

Naphthalene

Concen: 9.180 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Instrument :

MSVOA_W

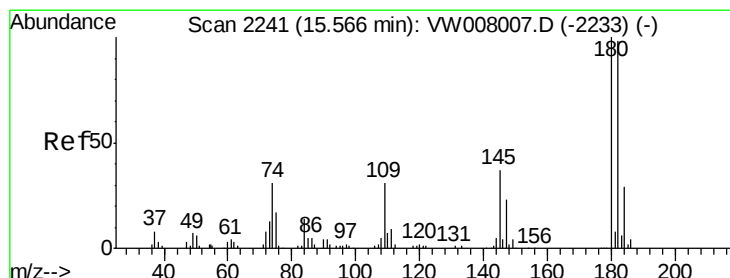
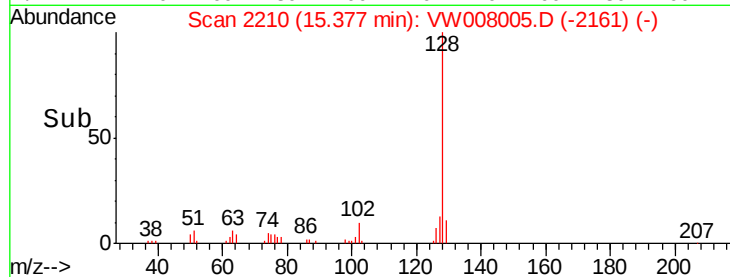
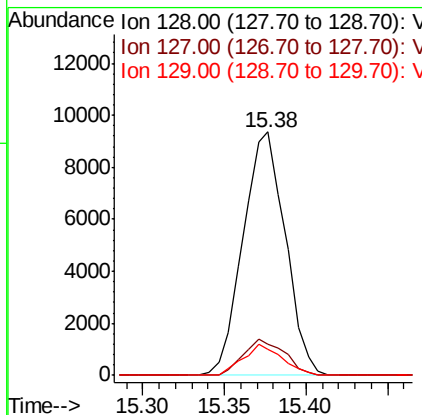
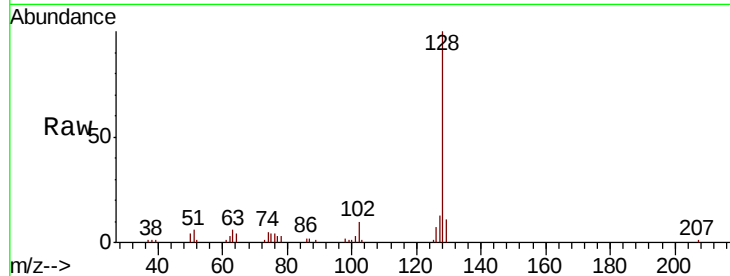
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	16841
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.8	16.2
129	11.6	8.8	13.2

Manual Integrations
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MMDadoda
1/3/2019 10:55:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 9.127 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW008005.D

Acq: 02 Jan 2019 13:19

Tgt Ion:	180	Resp:	8089
Ion	Ratio	Lower	Upper
180	100		
182	102.4	47.9	143.8
145	39.2	18.7	56.1

