

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008639.D
 Acq On : 13 Feb 2019 14:45
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
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 2/14/2019 2:08:49 PM

Quant Time: Feb 14 03:57:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:43:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	437331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	653788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	588131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	302728	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	40479	8.90	ug/l	0.00
Spiked Amount			Recovery	=	17.80%	
35) Dibromofluoromethane	7.88	113	38248	9.42	ug/l	0.00
Spiked Amount			Recovery	=	18.84%	
50) Toluene-d8	10.32	98	143899	9.20	ug/l	0.00
Spiked Amount			Recovery	=	18.40%	
62) 4-Bromofluorobenzene	12.62	95	53804	9.13	ug/l	0.00
Spiked Amount			Recovery	=	18.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	28453	10.158	ug/l	90
3) Chloromethane	2.21	50	38176	9.454	ug/l	97
4) Vinyl Chloride	2.36	62	52704	9.936	ug/l	96
5) Bromomethane	2.78	94	40097	9.553	ug/l	97
6) Chloroethane	2.92	64	39090	9.904	ug/l	98
7) Trichlorofluoromethane	3.26	101	38389	9.293	ug/l	90
8) Diethyl Ether	3.67	74	24888	10.095	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44026	10.084	ug/l	97
10) Methyl Iodide	4.26	142	68825	10.101	ug/l	99
11) Tert butyl alcohol	5.17	59	18015	50.475	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	43083	10.091	ug/l	95
13) Acrolein	3.89	56	19116	51.004	ug/l	91
14) Allyl chloride	4.66	41	71053	10.017	ug/l	99
15) Acrylonitrile	5.36	53	50575	48.740	ug/l	97
16) Acetone	4.12	43	50850	49.318	ug/l	95
17) Carbon Disulfide	4.37	76	130374	10.119	ug/l	99
18) Methyl Acetate	4.67	43	22491	9.513	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	74759	9.975	ug/l	99
20) Methylene Chloride	4.90	84	72487	12.243	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	47103	10.074	ug/l	91
22) Diisopropyl ether	6.31	45	139705	9.785	ug/l	97
23) Vinyl Acetate	6.25	43	434419	46.883	ug/l	97
24) 1,1-Dichloroethane	6.21	63	82338	9.995	ug/l	96
25) 2-Butanone	7.17	43	68284	46.740	ug/l	93
26) 2,2-Dichloropropane	7.16	77	53585	10.412	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51845	10.254	ug/l	98
28) Bromochloromethane	7.51	49	31907	9.175	ug/l	96
29) Tetrahydrofuran	7.53	42	45176	46.915	ug/l	98
30) Chloroform	7.67	83	82942	10.048	ug/l	93
31) Cyclohexane	7.95	56	87420	10.513	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	69435	9.960	ug/l	98
36) 1,1-Dichloropropene	8.08	75	67363	10.256	ug/l	100
37) Ethyl Acetate	7.25	43	28918	9.127	ug/l #	94
38) Carbon Tetrachloride	8.06	117	66879	10.239	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	86343	10.393	ug/l	97
40) Benzene	8.32	78	183879	10.250	ug/l	99
41) Methacrylonitrile	7.48	41	17878	10.028	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	56352	10.127	ug/l	97
43) Isopropyl Acetate	8.42	43	58885	9.320	ug/l	95
44) Trichloroethene	9.09	130	51103	10.274	ug/l	95
45) 1,2-Dichloropropane	9.37	63	45534	10.256	ug/l	94
46) Dibromomethane	9.46	93	24795	10.139	ug/l	99
47) Bromodichloromethane	9.64	83	57262	9.743	ug/l	97
48) Methyl methacrylate	9.44	41	26576	9.076	ug/l	92
49) 1,4-Dioxane	9.45	88	7702	197.296	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	154889	47.724	ug/l	99
52) Toluene	10.38	92	114873	9.926	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	59147	9.579	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	67735	9.677	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33459	9.971	ug/l	96
56) Ethyl methacrylate	10.65	69	41381	9.287	ug/l	98
57) 1,3-Dichloropropane	10.93	76	59864	10.055	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	87598	40.981	ug/l	100
59) 2-Hexanone	10.97	43	105977	46.482	ug/l	98
60) Dibromochloromethane	11.13	129	38417	9.568	ug/l	99
61) 1,2-Dibromoethane	11.23	107	32168	9.736	ug/l	96
64) Tetrachloroethene	10.86	164	46242	10.573	ug/l	96
65) Chlorobenzene	11.66	112	128842	10.164	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45078	10.038	ug/l	99
67) Ethyl Benzene	11.73	91	224225	9.930	ug/l	98
68) m/p-Xylenes	11.84	106	176567	20.097	ug/l	97
69) o-Xylene	12.16	106	82348	9.916	ug/l	99
70) Styrene	12.18	104	127441	9.395	ug/l	99
71) Bromoform	12.35	173	22185	9.169	ug/l #	96
73) Isopropylbenzene	12.46	105	228649	10.140	ug/l	97
74) N-amyl acetate	12.27	43	56897	9.331	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	38010	9.688	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27154m	7.515	ug/l	
77) Bromobenzene	12.75	156	53066	10.238	ug/l	96
78) n-propylbenzene	12.80	91	274578	10.248	ug/l	100
79) 2-Chlorotoluene	12.90	91	154063	10.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	190870	10.191	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	11268	9.214	ug/l	96
82) 4-Chlorotoluene	12.99	91	159321	9.928	ug/l	97
83) tert-Butylbenzene	13.21	119	168122	10.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	194689	10.113	ug/l	99
85) sec-Butylbenzene	13.38	105	240117	10.140	ug/l	100
86) p-Isopropyltoluene	13.50	119	209890	9.908	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	107340	10.215	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	107354	10.366	ug/l	98
89) n-Butylbenzene	13.83	91	200774	9.973	ug/l	99
90) Hexachloroethane	14.10	117	36635	9.898	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	95479	10.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6614	9.701	ug/l	96

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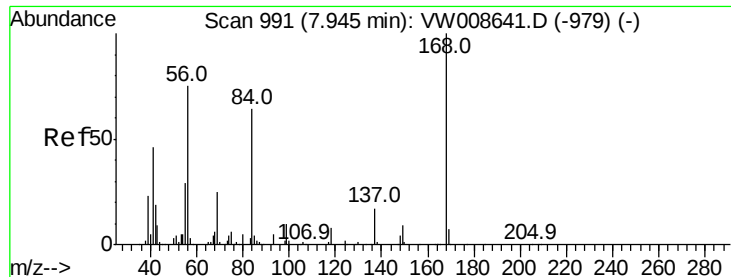
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	69900	10.548	ug/l	99
94) Hexachlorobutadiene	15.24	225	40056	10.384	ug/l	97
95) Naphthalene	15.37	128	119530	10.065	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	58605	10.305	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 437331

Ion Ratio Lower Upper

168 100

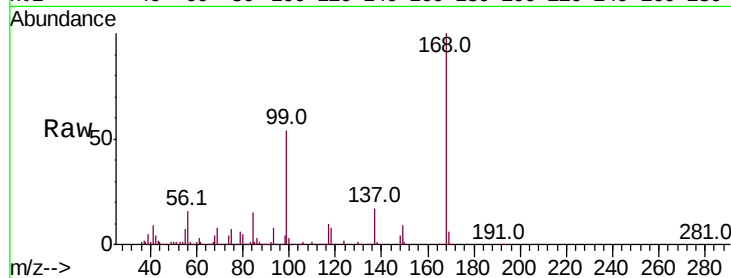
99 53.4 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

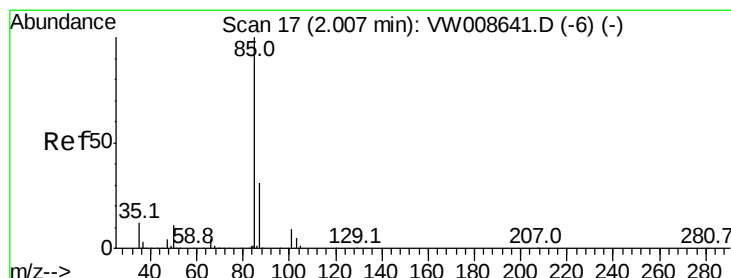
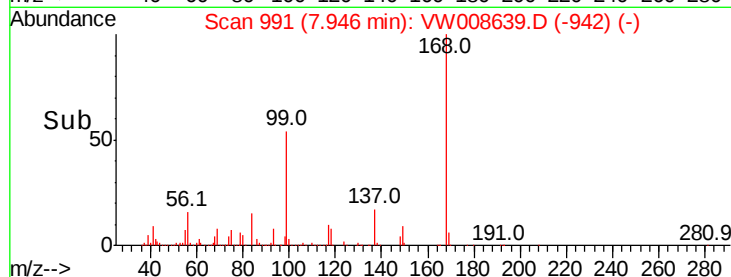
50000

0

Time--> 7.80

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 10.158 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008639.D

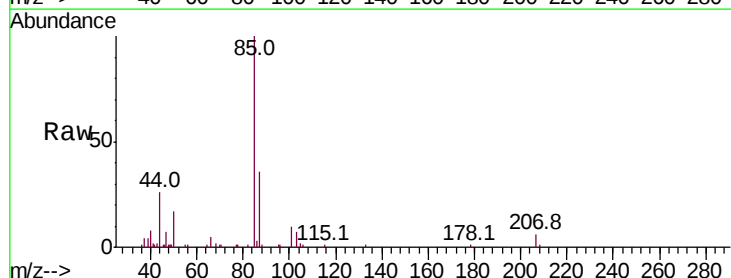
Acq: 13 Feb 2019 14:45

Tgt Ion: 85 Resp: 28453

Ion Ratio Lower Upper

85 100

87 36.2 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

4000

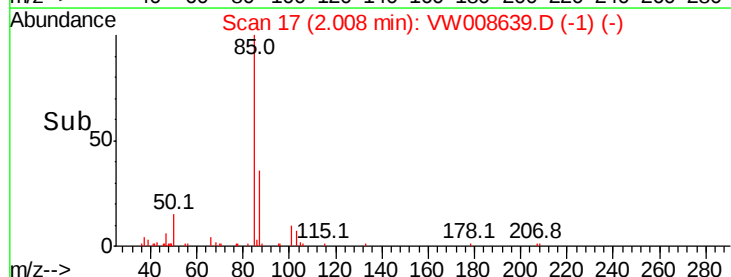
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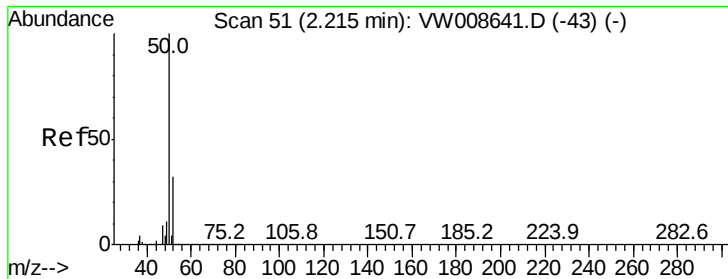
0

Time--> 1.90

2.00

2.10





#3

Chloromethane

Concen: 9.454 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 38176

Ion Ratio Lower Upper

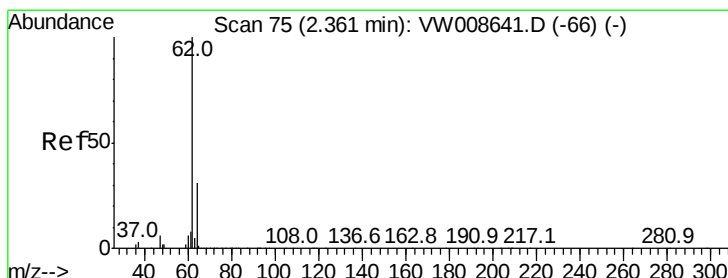
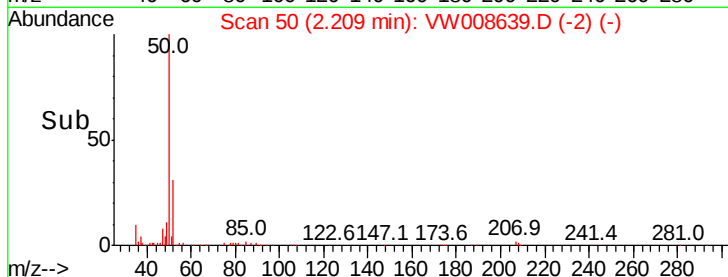
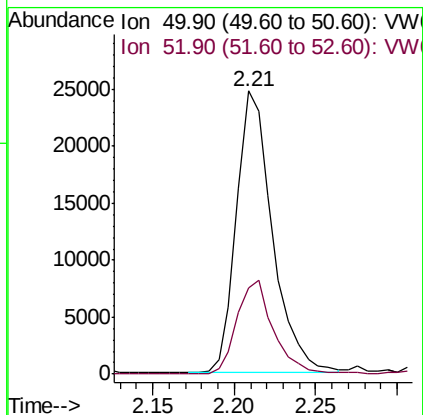
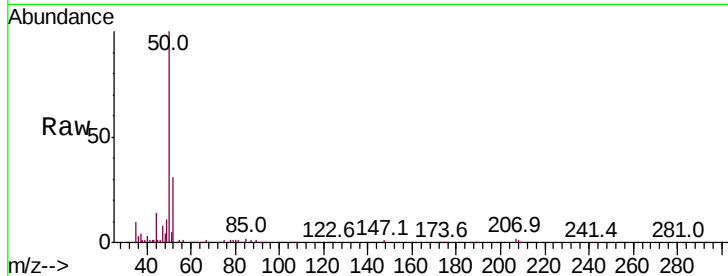
50 100

52 30.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 9.936 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW008639.D

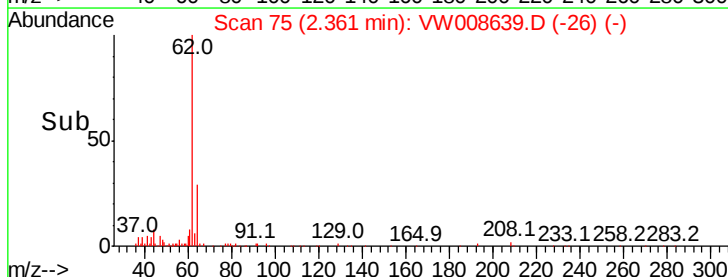
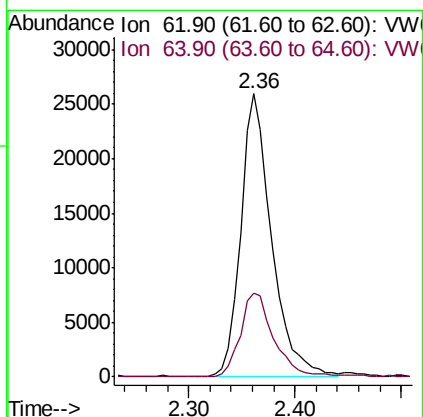
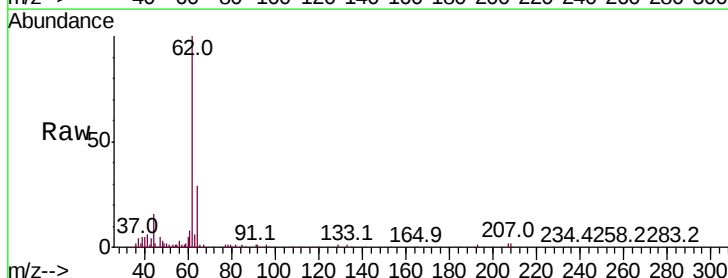
Acq: 13 Feb 2019 14:45

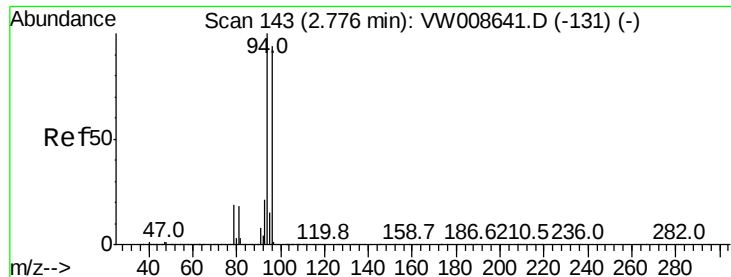
Tgt Ion: 62 Resp: 52704

Ion Ratio Lower Upper

62 100

64 29.4 25.1 37.7





#5

Bromomethane

Concen: 9.553 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 40097

Ion Ratio Lower Upper

94 100

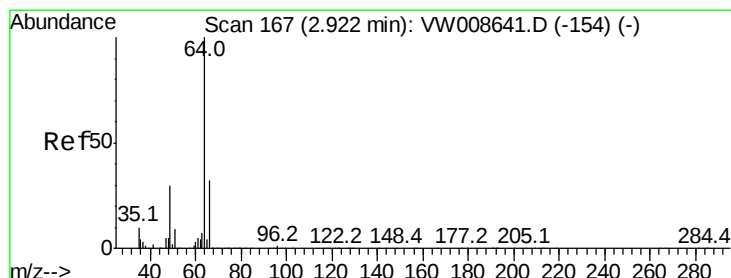
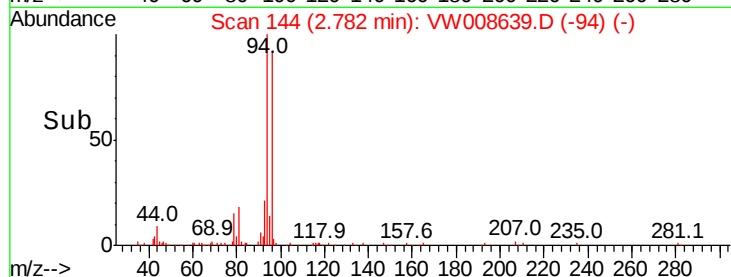
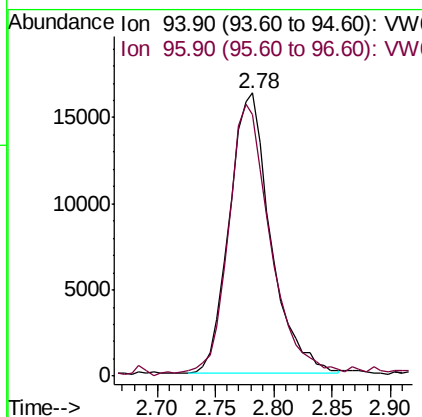
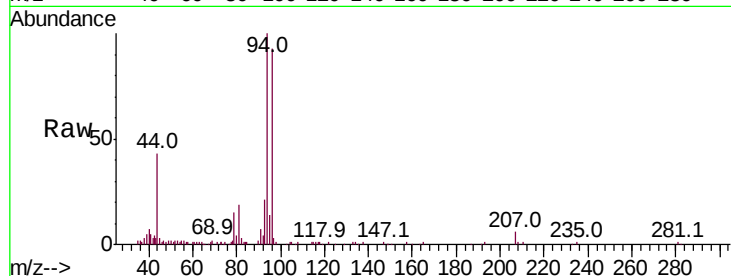
96 91.4 75.5 113.3

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#6

Chloroethane

Concen: 9.904 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008639.D

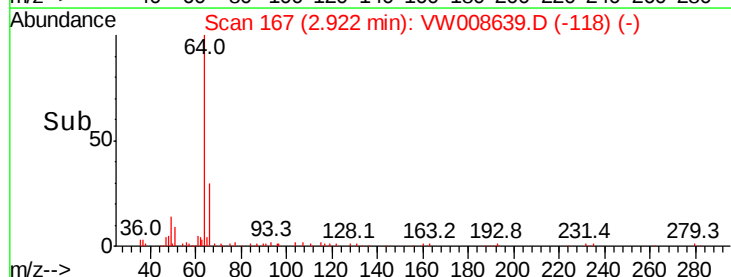
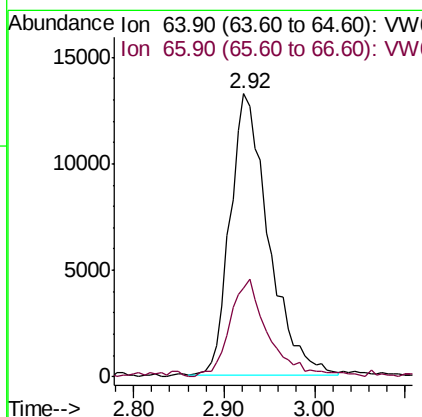
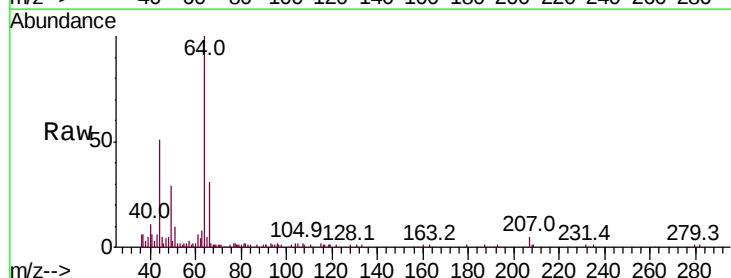
Acq: 13 Feb 2019 14:45

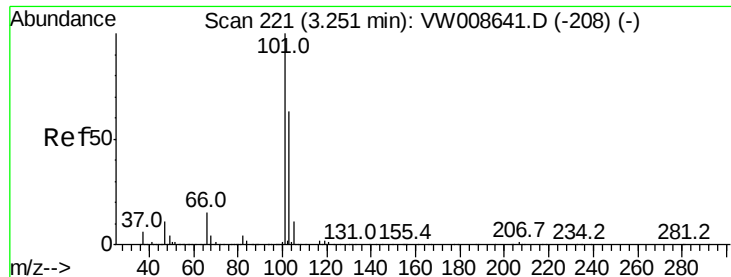
Tgt Ion: 64 Resp: 39090

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.4





#7

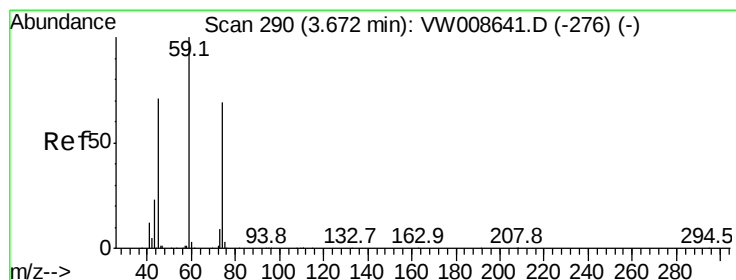
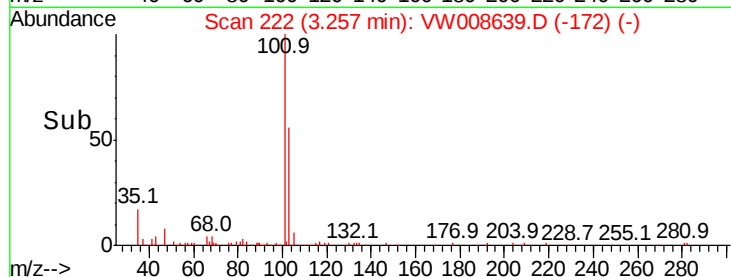
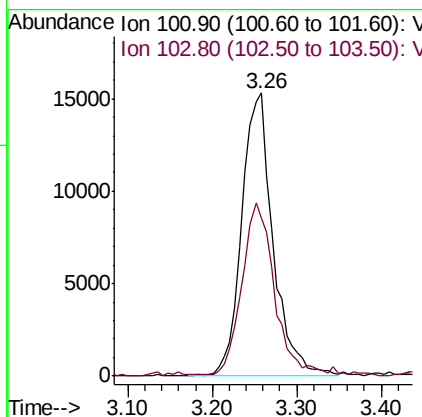
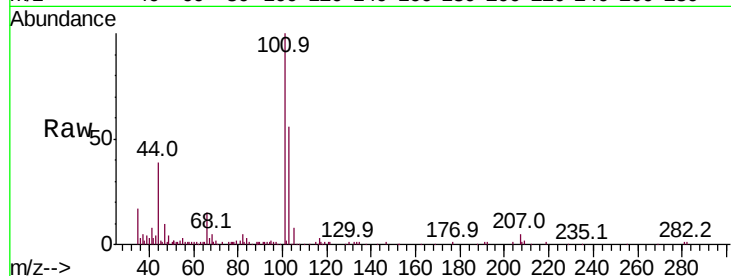
Trichlorofluoromethane
Concen: 9.293 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	55.2	50.5	75.7

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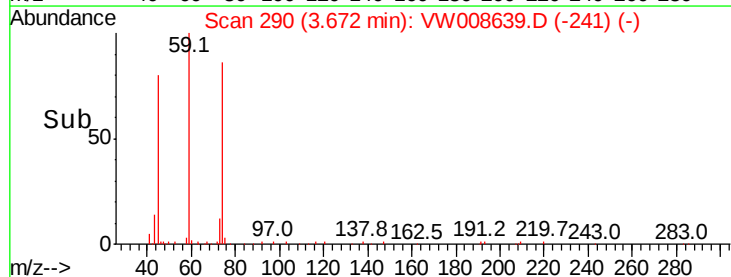
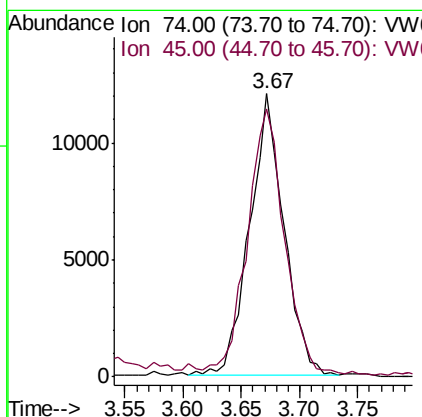
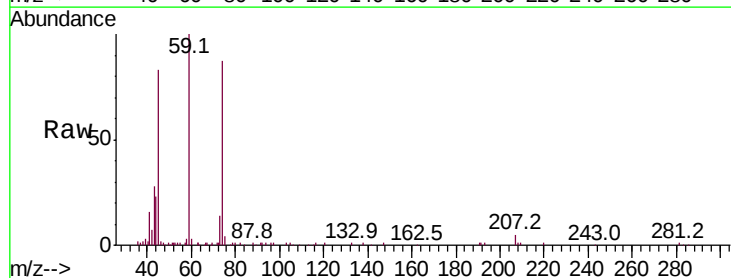
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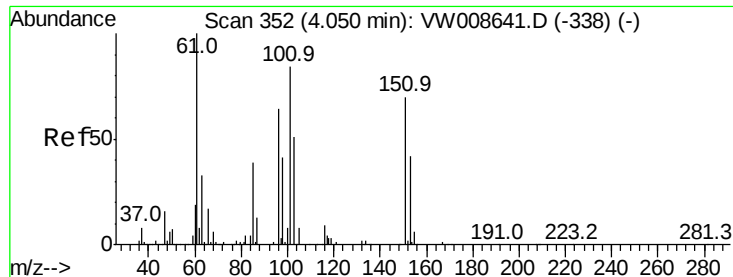


#8

Diethyl Ether
Concen: 10.095 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.084 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

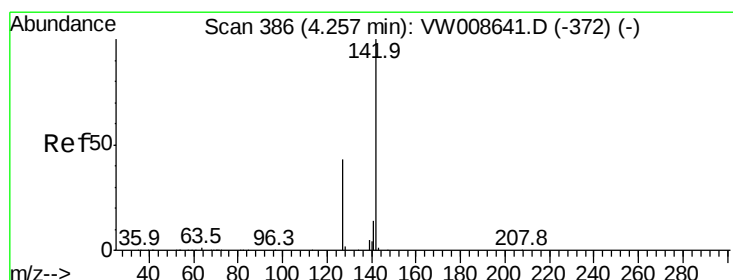
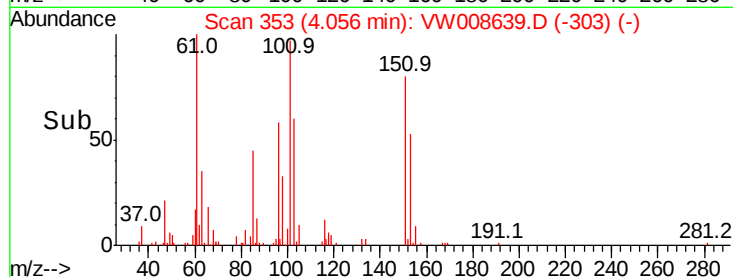
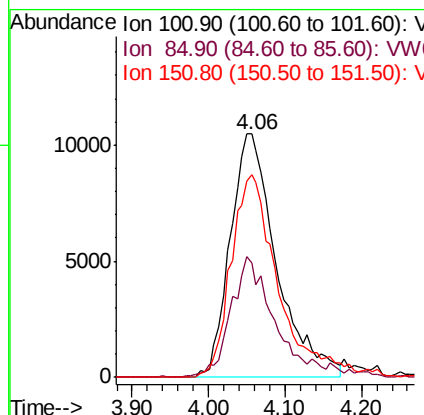
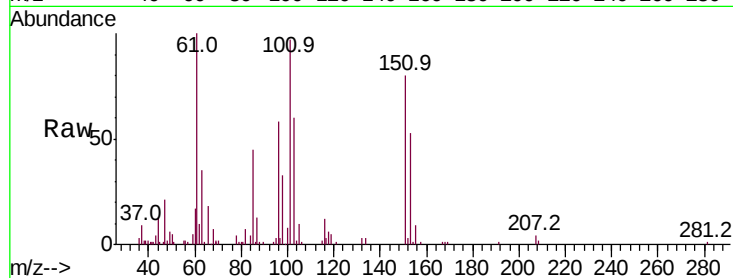
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	44026
Ion Ratio	Lower	Upper	
101	100		
85	46.0	34.3	51.5
151	84.3	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 10.101 ug/l

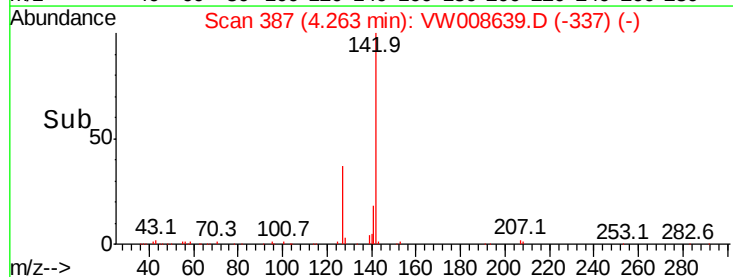
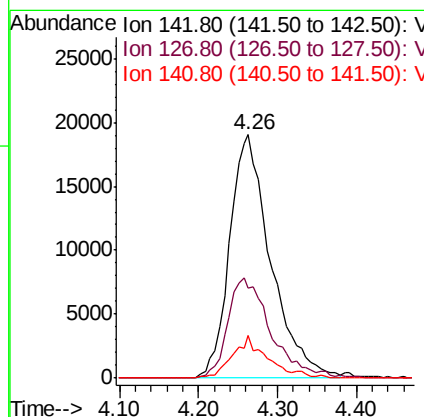
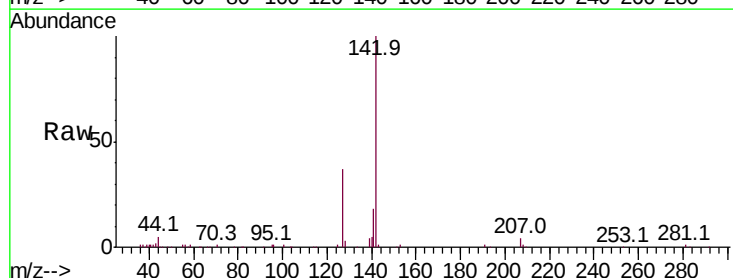
RT: 4.26 min Scan# 387

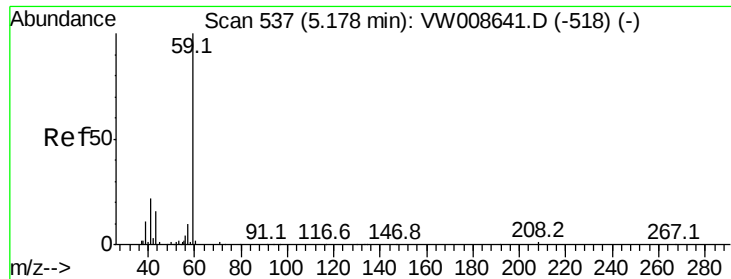
Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion:	142	Resp:	68825
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.8	52.2
141	13.9	11.8	17.8





#11

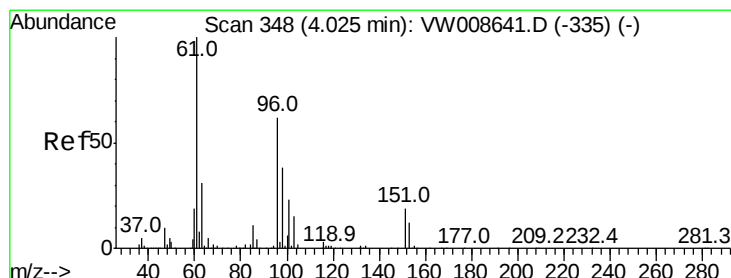
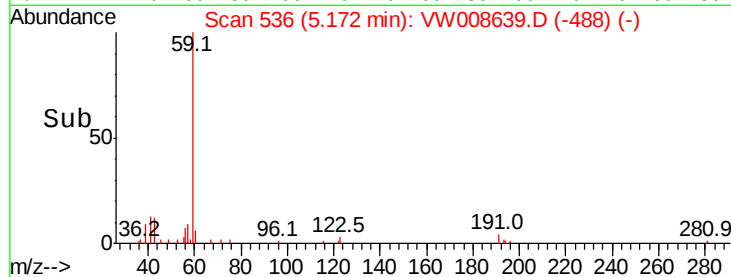
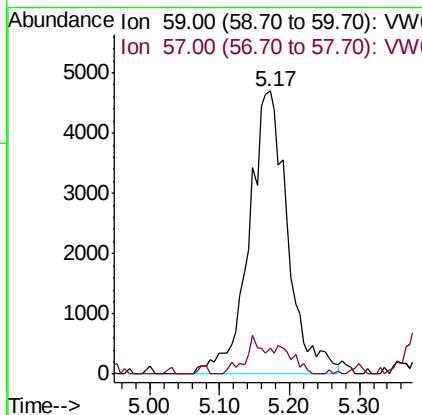
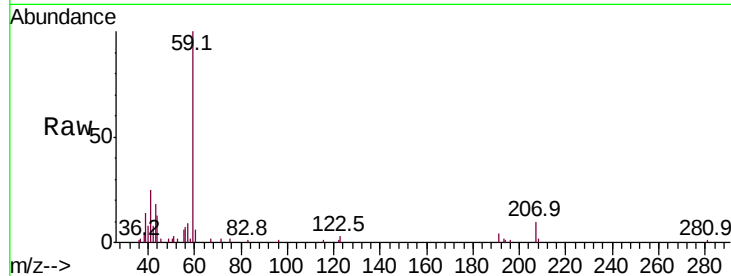
Tert butyl alcohol
Concen: 50.475 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

Manual Integrations
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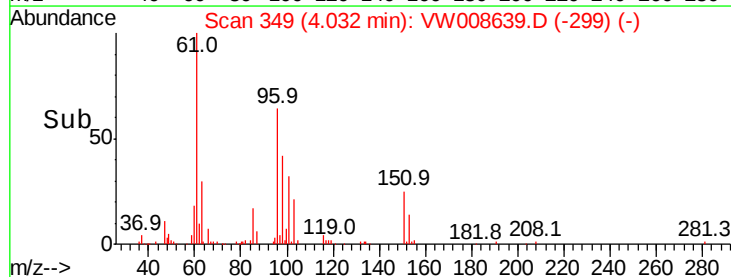
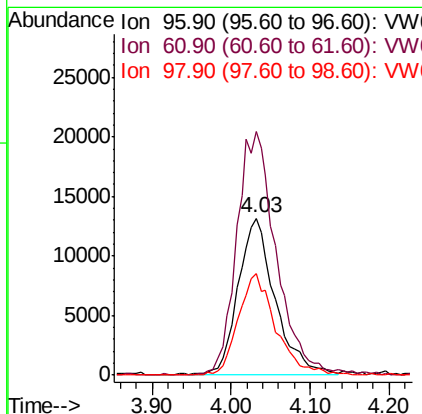
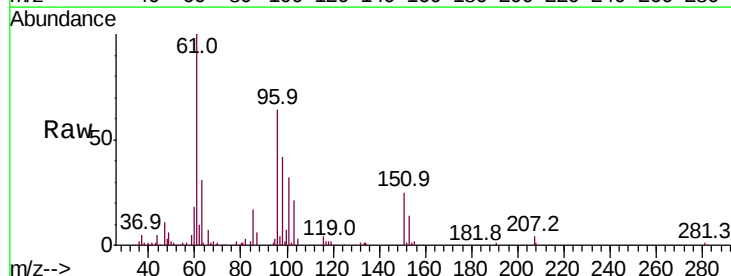
MMDadoda
2/14/2019 2:08:49 PM

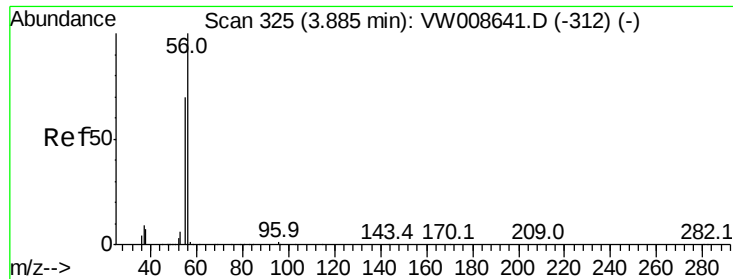


#12

1,1-Dichloroethene
Concen: 10.091 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.1	129.8	194.6
98	64.7	49.3	73.9





#13

Acrolein

Concen: 51.004 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 19116

Ion Ratio Lower Upper

56 100

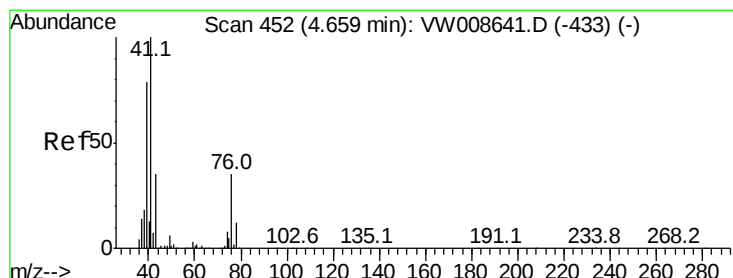
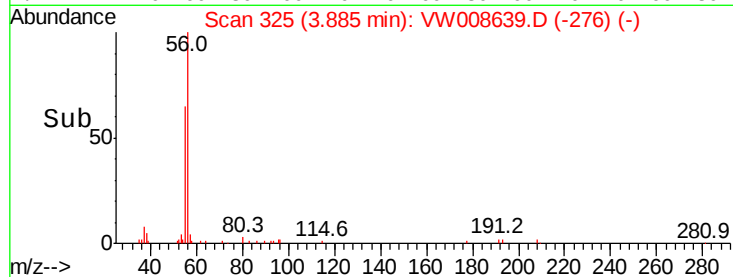
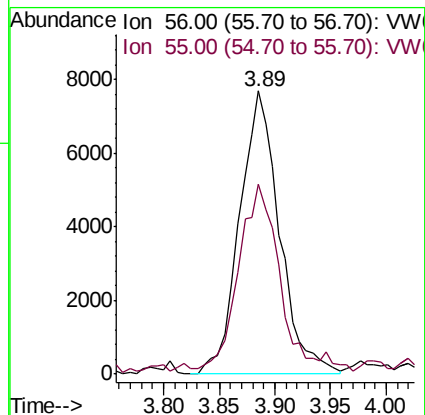
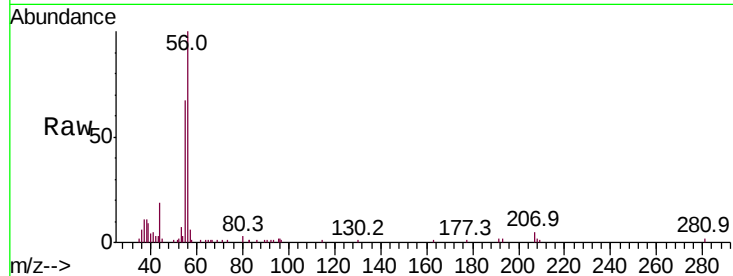
55 64.2 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 10.017 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

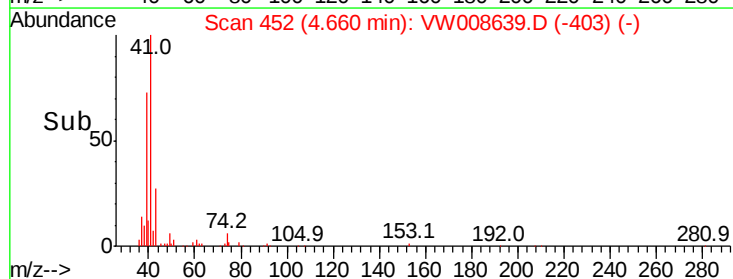
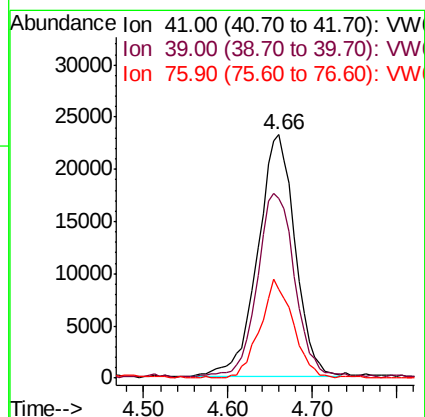
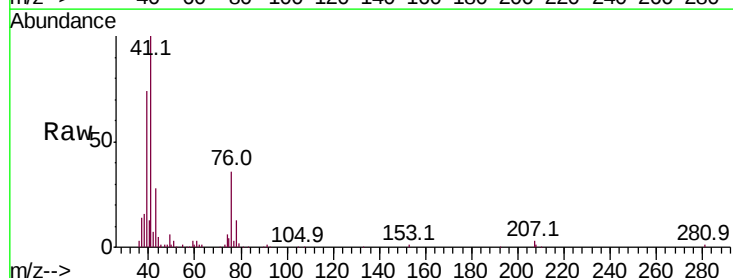
Tgt Ion: 41 Resp: 71053

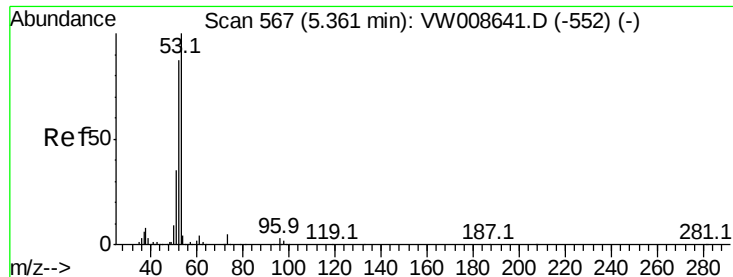
Ion Ratio Lower Upper

41 100

39 77.6 61.7 92.5

76 36.1 27.7 41.5





#15

Acrylonitrile

Concen: 48.740 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

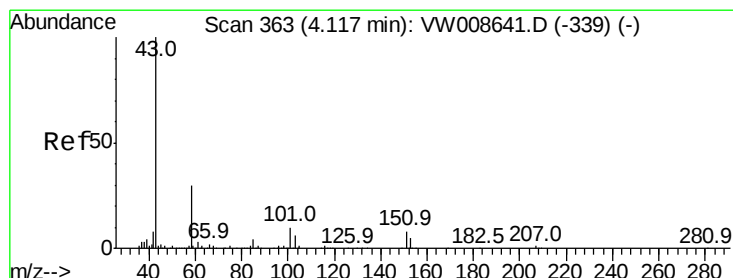
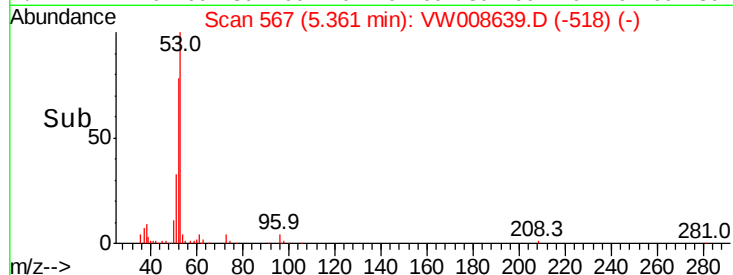
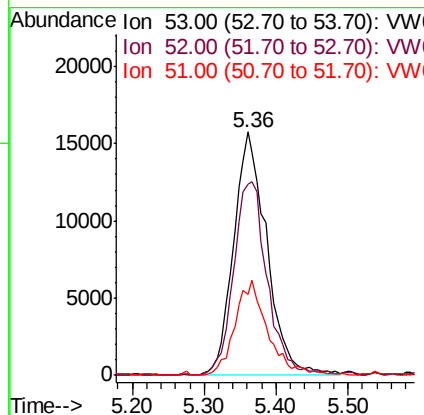
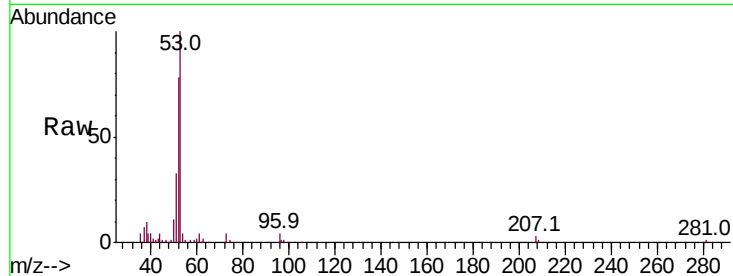
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	50575
Ion Ratio	Lower	Upper	
53	100		
52	80.5	66.8	100.2
51	38.2	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 49.318 ug/l

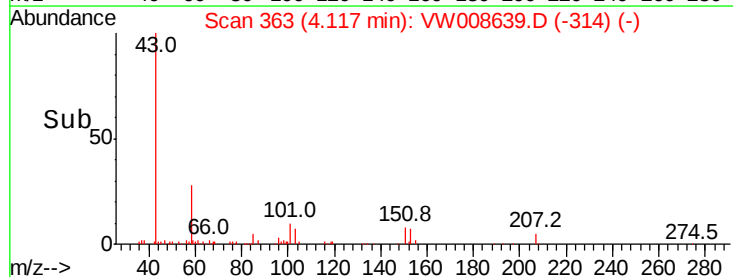
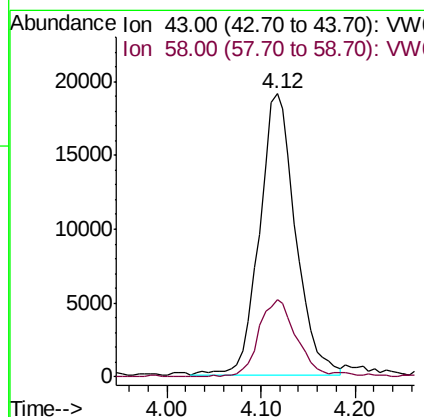
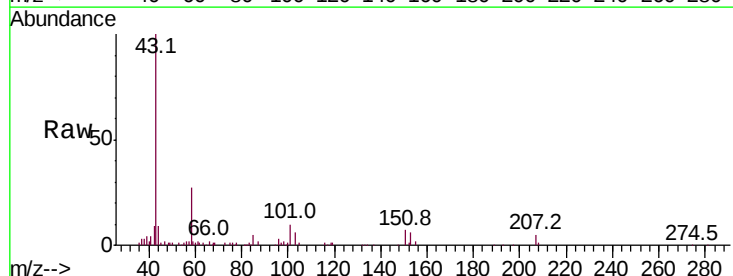
RT: 4.12 min Scan# 363

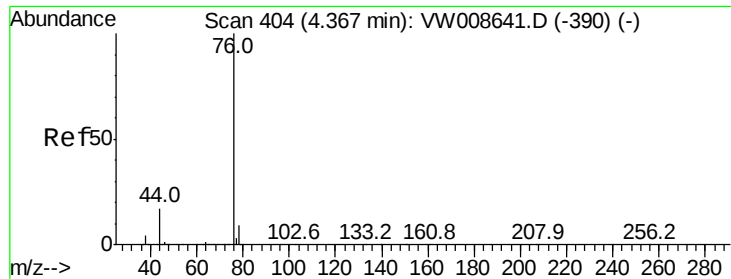
Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion:	43	Resp:	50850
Ion Ratio	Lower	Upper	
43	100		
58	27.4	24.1	36.1





#17

Carbon Disulfide

Concen: 10.119 ug/l

RT: 4.37 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 130374

Ion Ratio Lower Upper

76 100

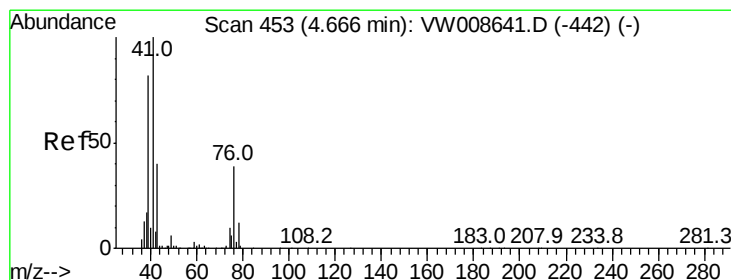
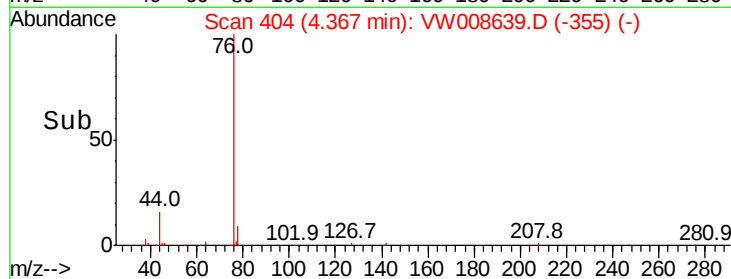
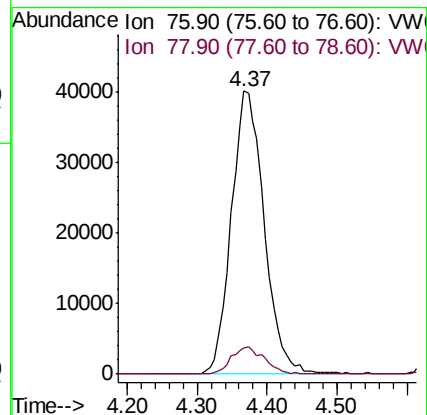
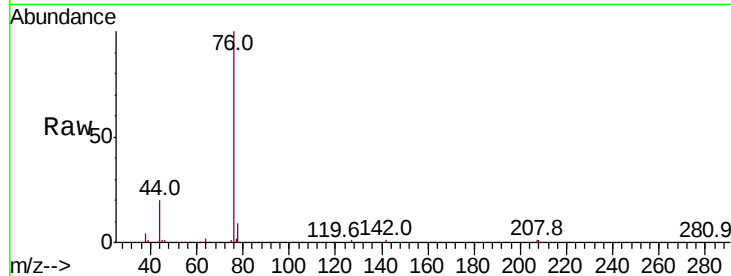
78 9.3 7.1 10.7

Manual Integrations

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2/14/2019 2:08:49 PM



#18

Methyl Acetate

Concen: 9.513 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008639.D

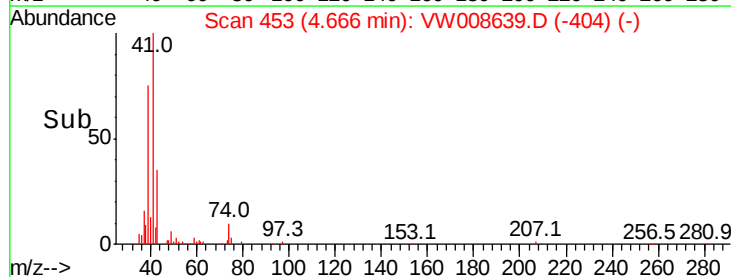
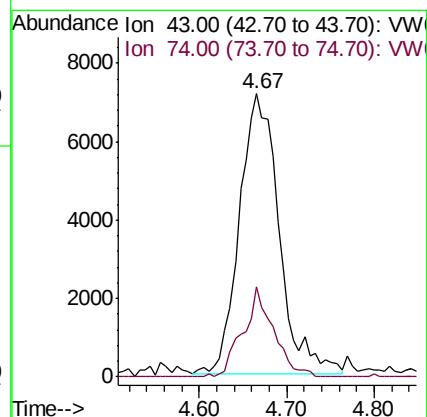
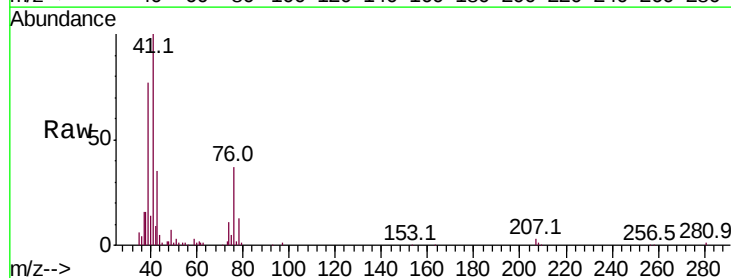
Acq: 13 Feb 2019 14:45

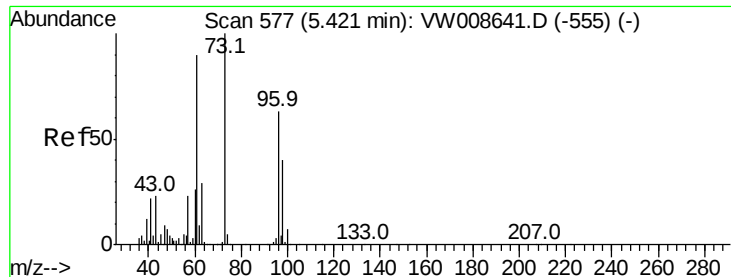
Tgt Ion: 43 Resp: 22491

Ion Ratio Lower Upper

43 100

74 24.7 19.0 28.4





#19

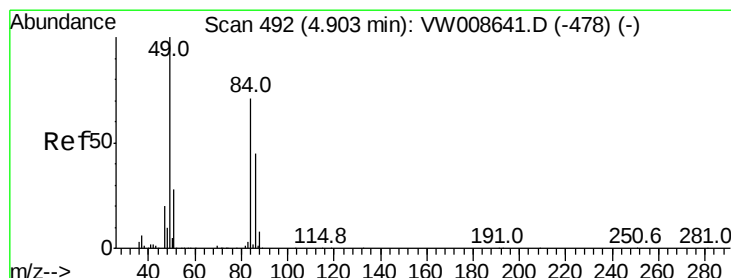
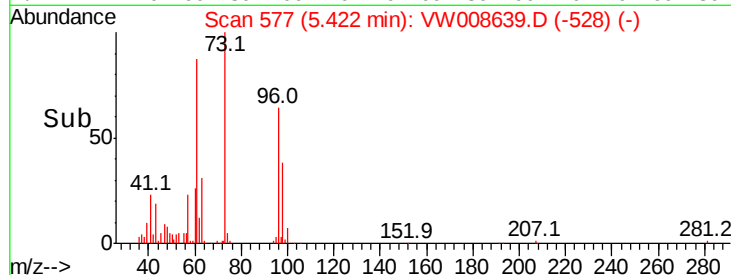
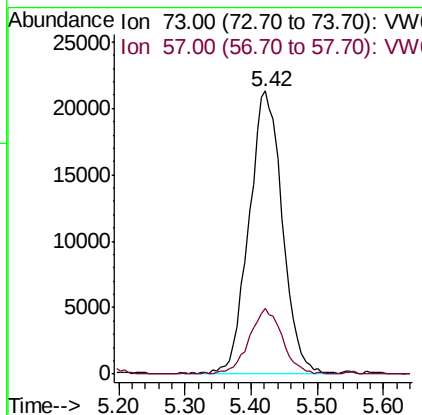
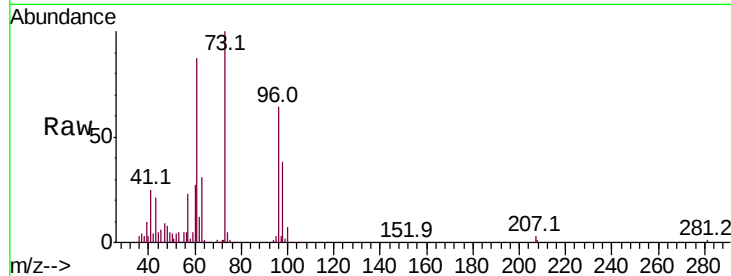
Methyl tert-butyl Ether
 Concen: 9.975 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 73 Resp: 74759
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.2 27.2

Manual Integrations
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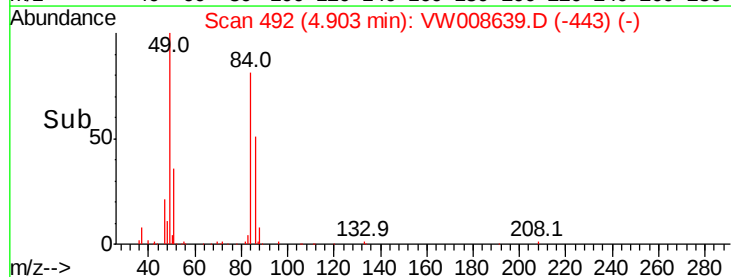
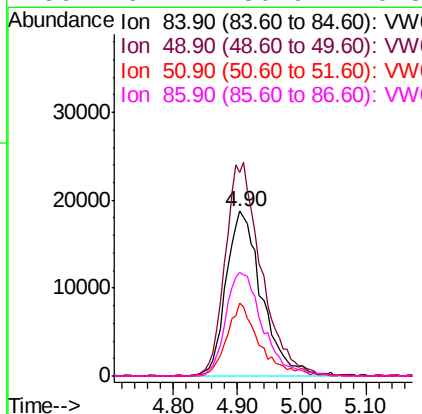
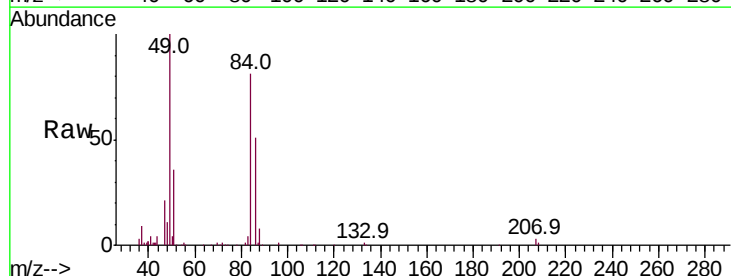
MMDadoda
 2/14/2019 2:08:49 PM

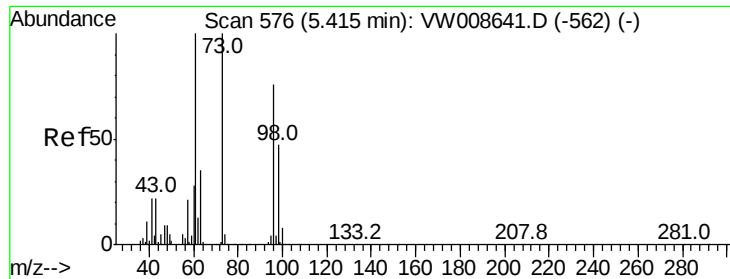


#20

Methylene Chloride
 Concen: 12.243 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 84 Resp: 72487
 Ion Ratio Lower Upper
 84 100
 49 123.4 113.3 169.9
 51 44.3 32.1 48.1
 86 62.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 10.074 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 96 Resp: 47103

Ion Ratio Lower Upper

96 100

61 121.9 105.9 158.9

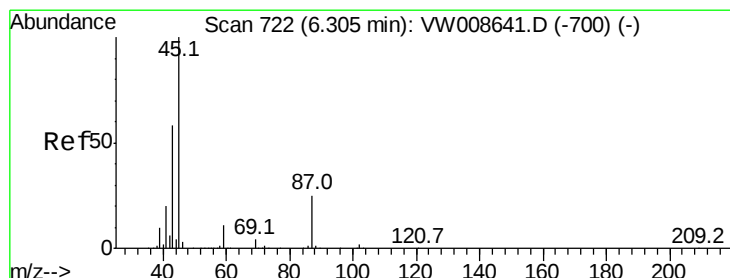
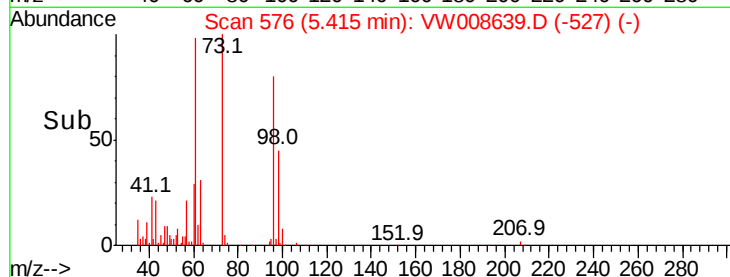
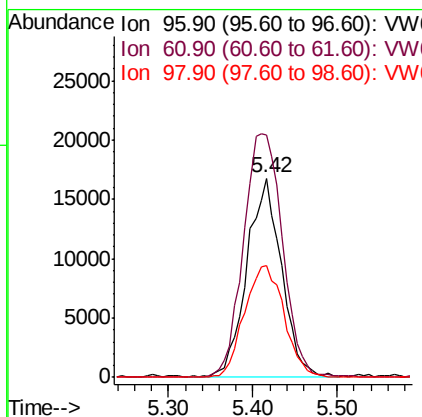
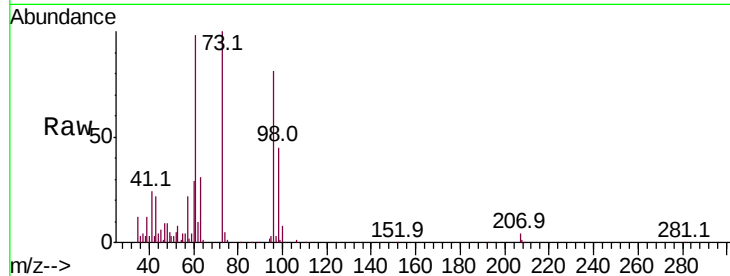
98 55.9 49.8 74.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 9.785 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion: 45 Resp: 139705

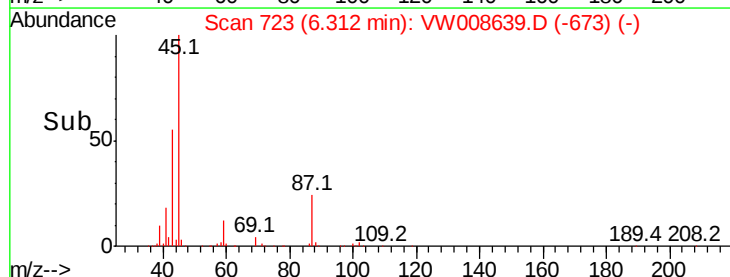
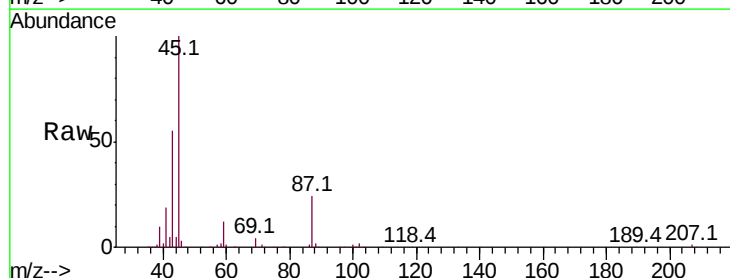
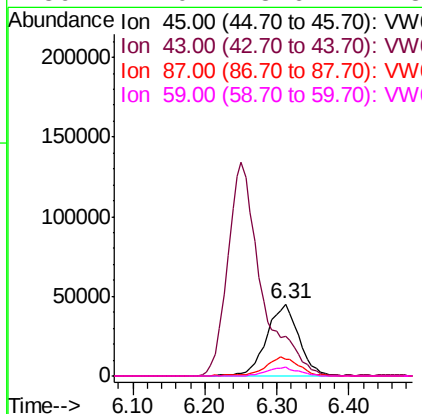
Ion Ratio Lower Upper

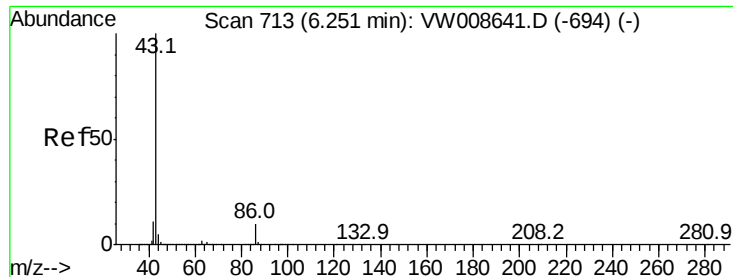
45 100

43 55.2 46.1 69.1

87 23.7 20.5 30.7

59 12.0 8.6 12.8





#23

Vinyl Acetate

Concen: 46.883 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 434419

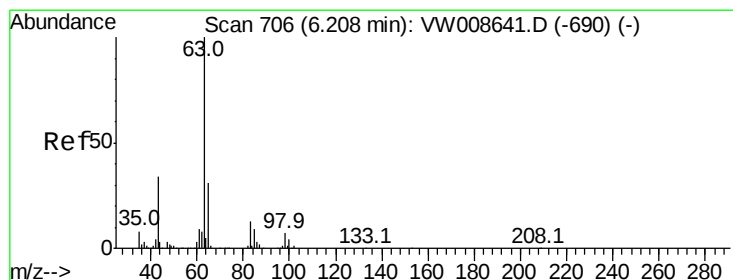
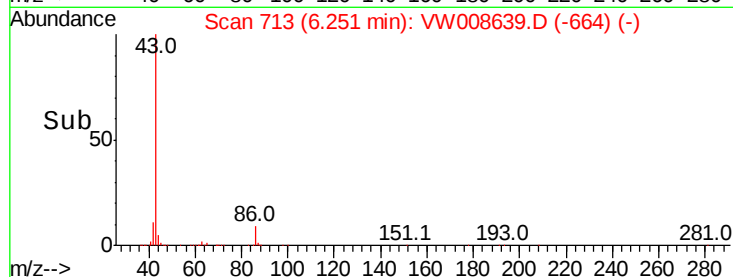
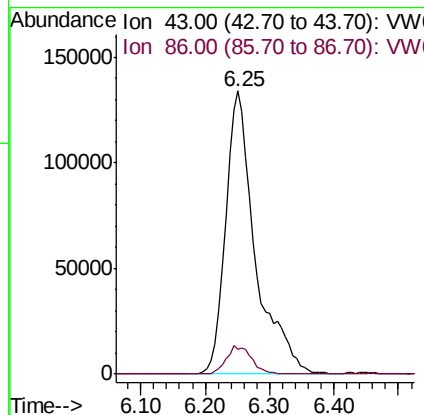
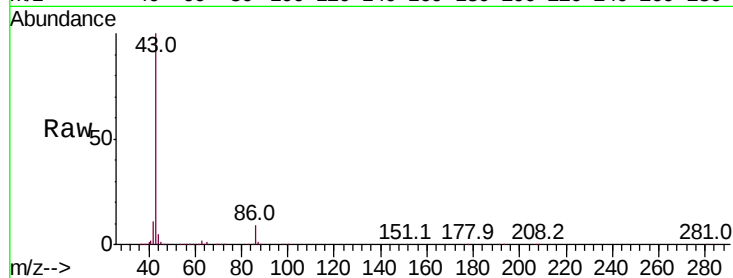
Ion Ratio Lower Upper

43 100

86 8.9 7.9 11.9

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.995 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

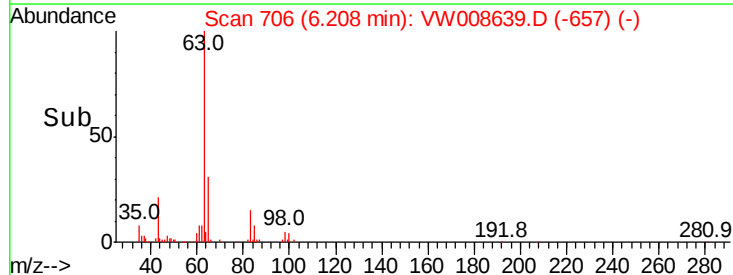
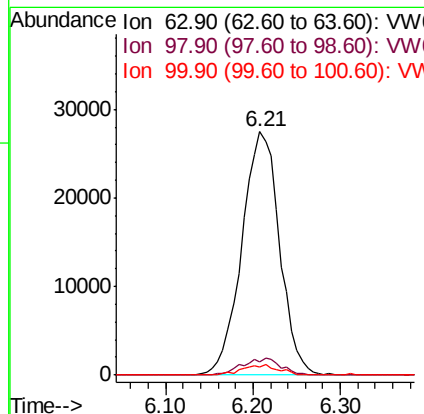
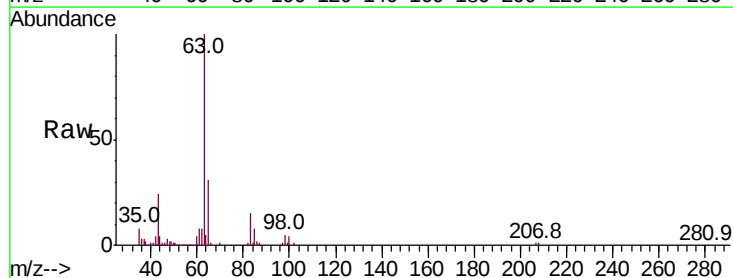
Tgt Ion: 63 Resp: 82338

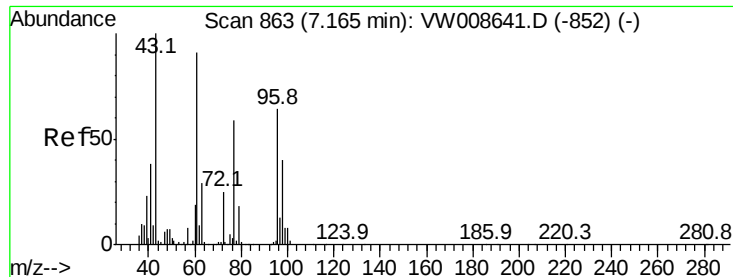
Ion Ratio Lower Upper

63 100

98 5.3 3.6 10.8

100 3.6 2.2 6.6





#25

2-Butanone

Concen: 46.740 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 68284

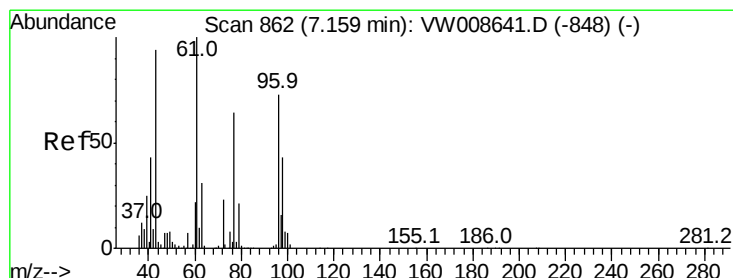
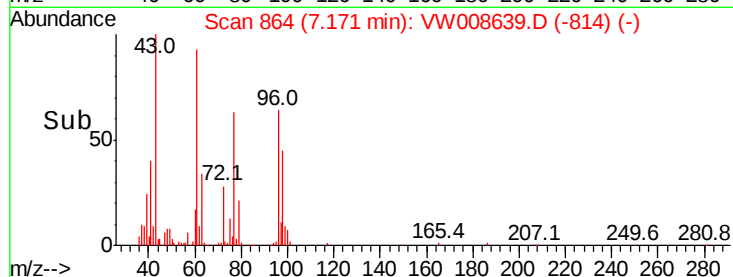
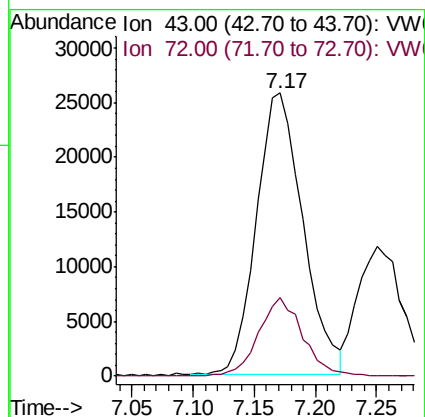
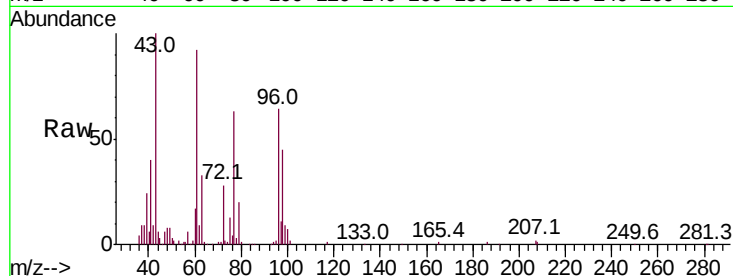
Ion Ratio Lower Upper

43 100

72 27.9 19.7 29.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 10.412 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008639.D

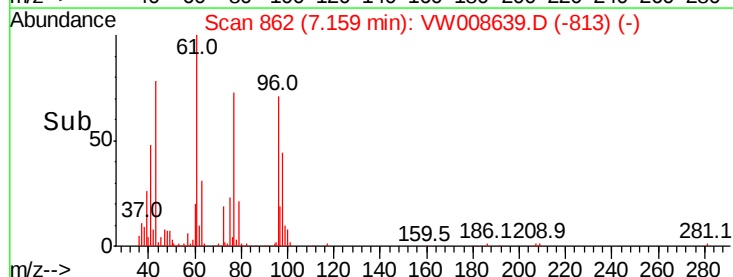
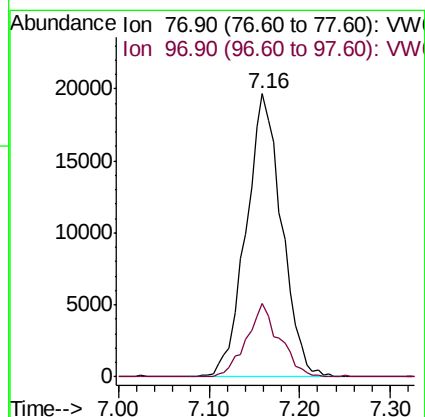
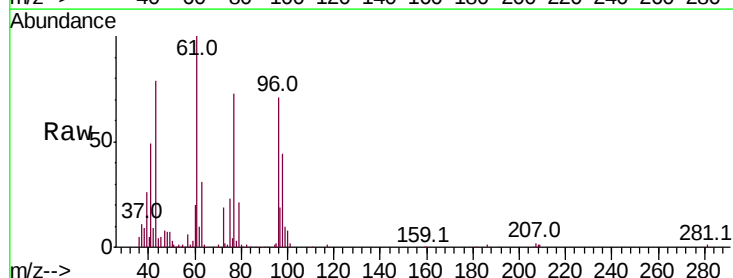
Acq: 13 Feb 2019 14:45

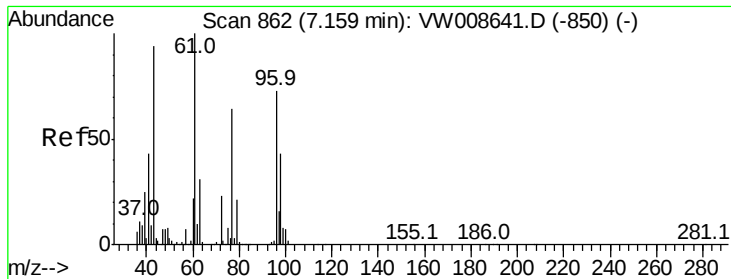
Tgt Ion: 77 Resp: 53585

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

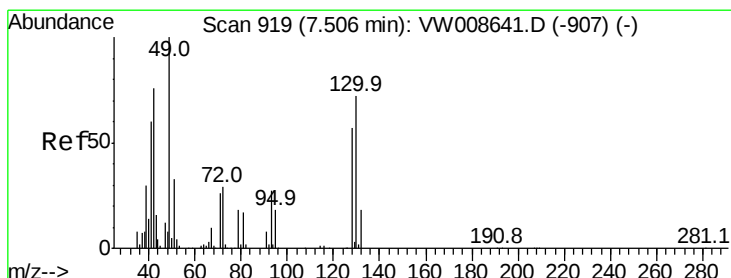
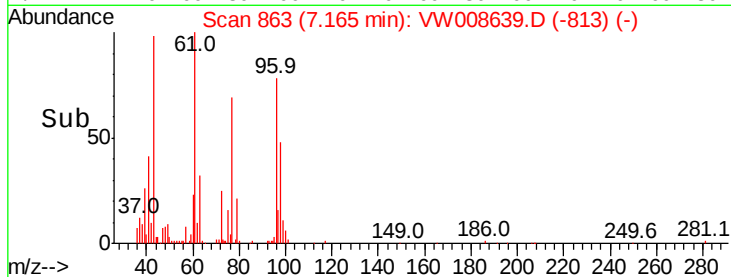
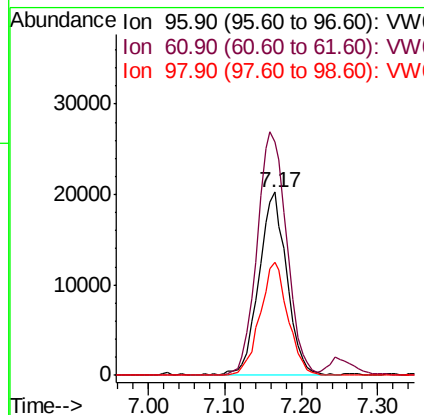
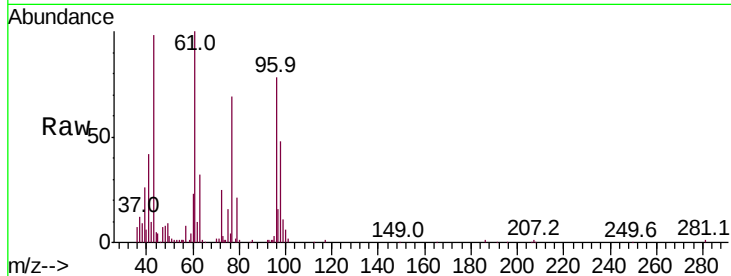
cis-1,2-Dichloroethene
Concen: 10.254 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	286.4
98	61.5	0.0	125.0

Manual Integrations
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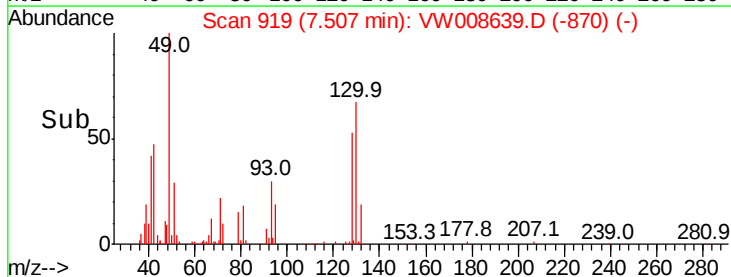
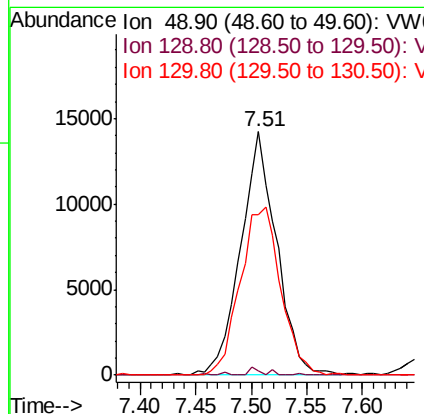
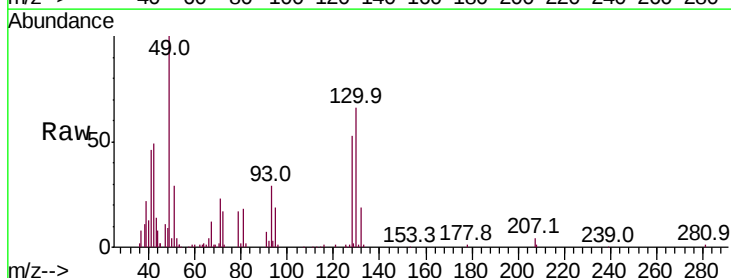
MMDadoda
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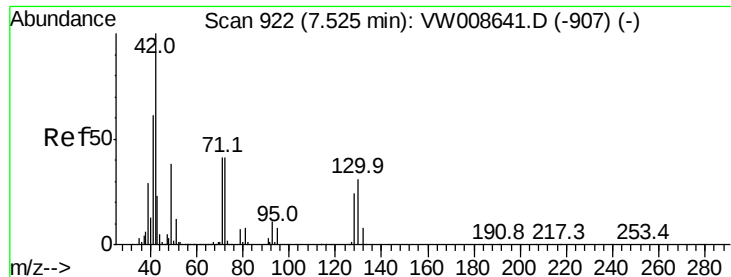


#28

Bromochloromethane
Concen: 9.175 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.2
130	77.9	59.4	89.0





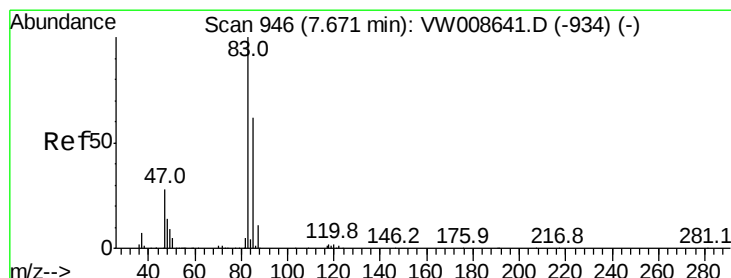
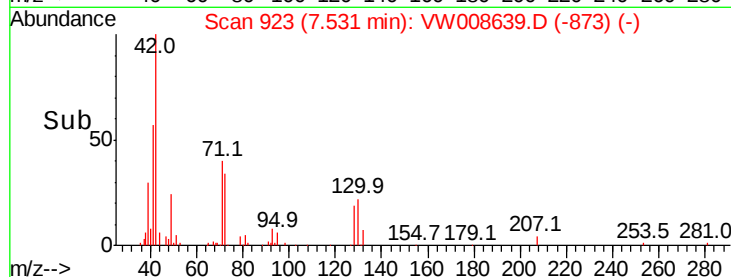
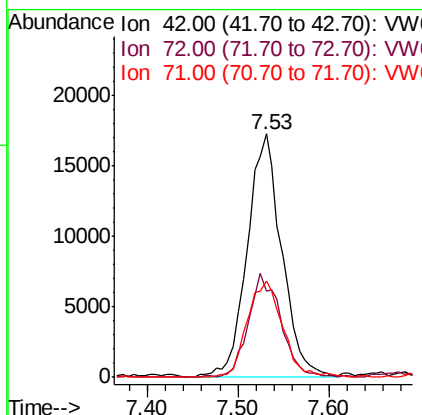
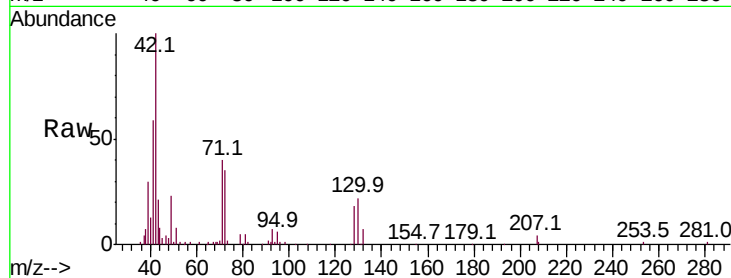
#29
Tetrahydrofuran
Concen: 46.915 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.2	48.2
71	41.3	31.0	46.6

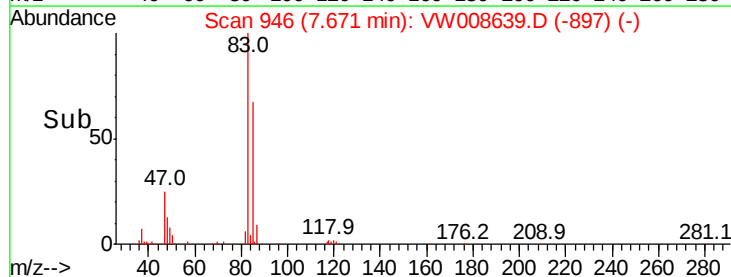
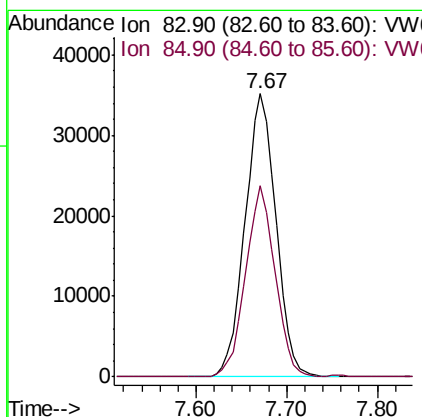
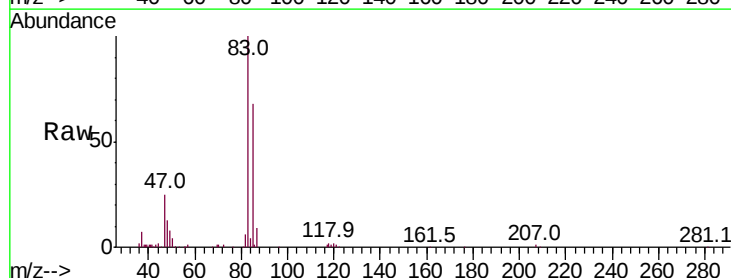
Manual Integrations
APPROVED

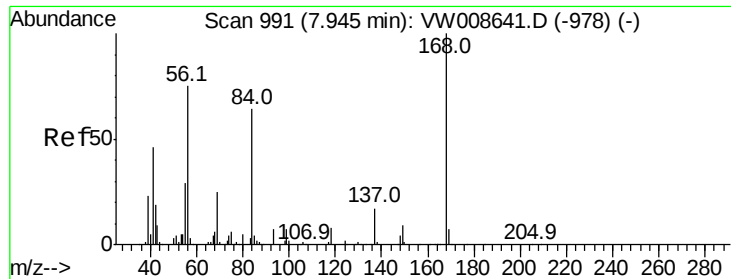
MMDadoda
2/14/2019 2:08:49 PM



#30
Chloroform
Concen: 10.048 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	49.8	74.8





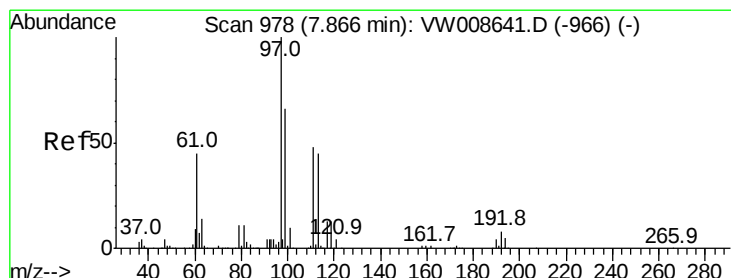
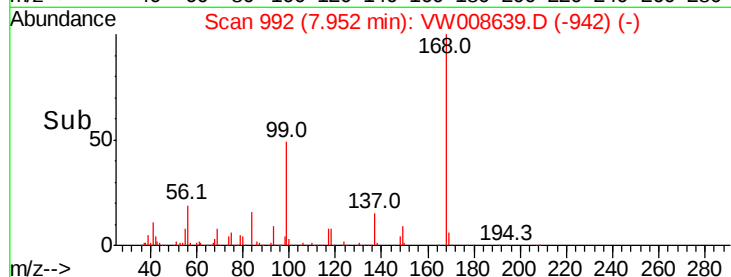
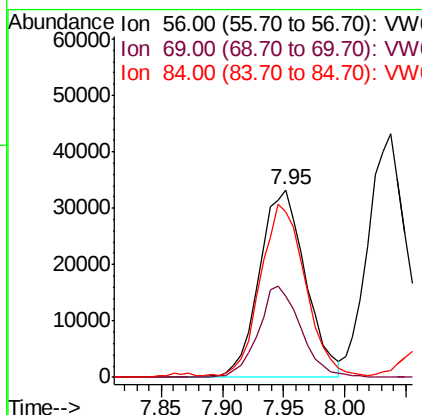
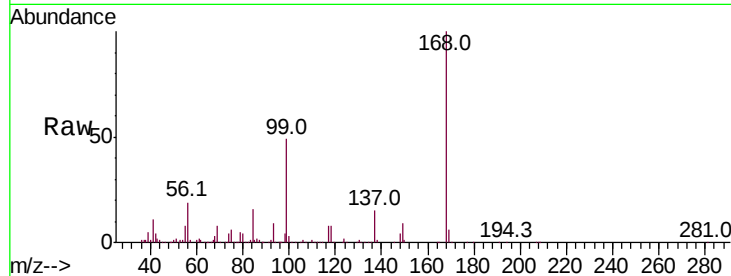
#31
Cvclohexane
Concen: 10.513 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.5	26.4	39.6#
84	86.1	67.4	101.2

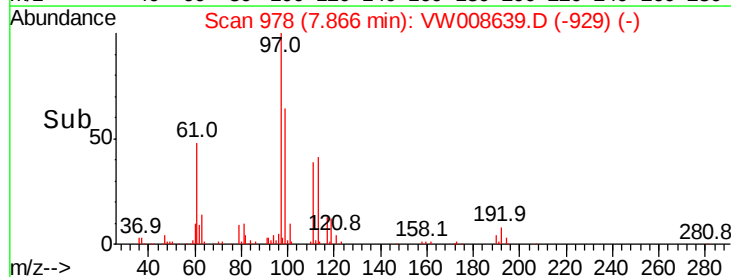
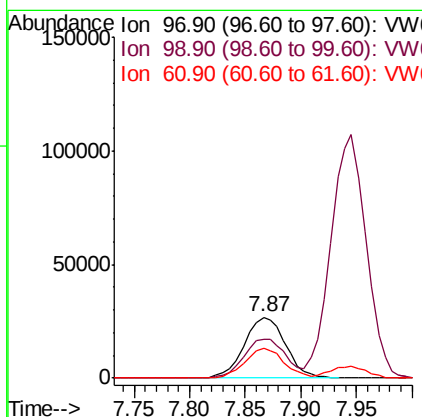
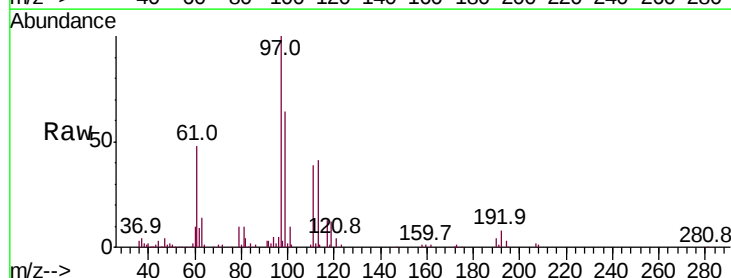
Manual Integrations
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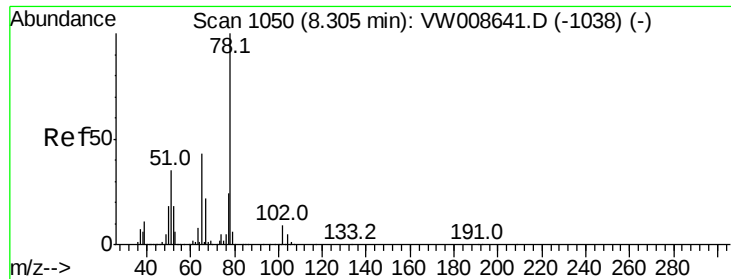
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#32
1,1,1-Trichloroethane
Concen: 9.960 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.6	77.4
61	46.6	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 8.903 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

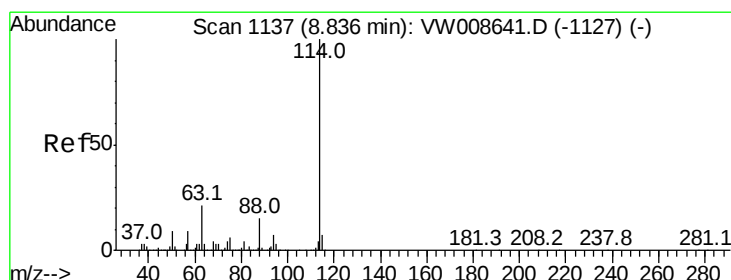
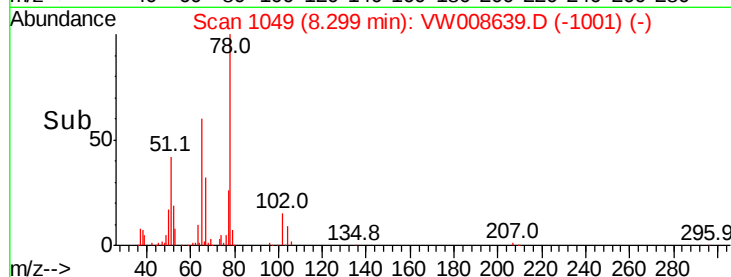
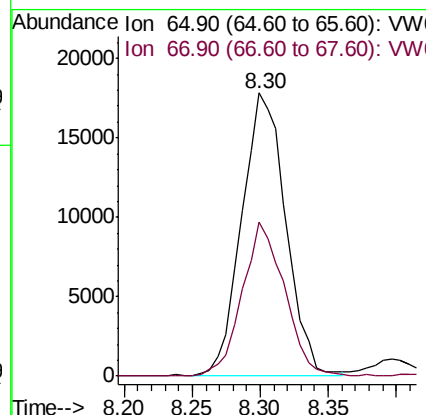
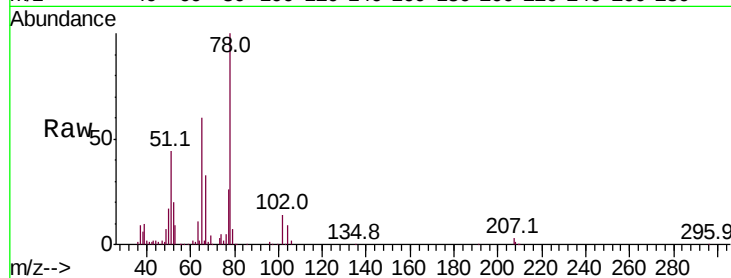
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

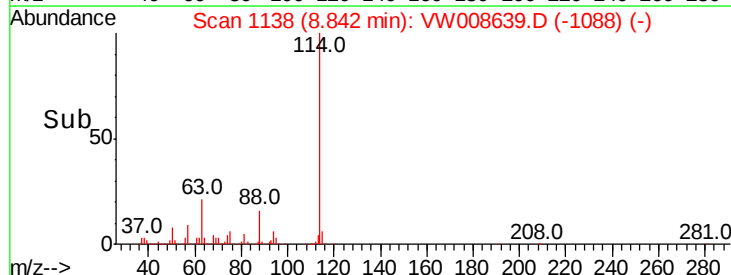
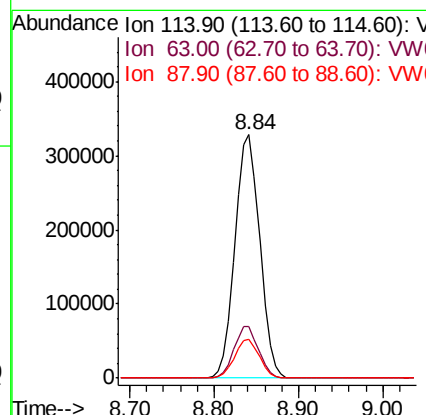
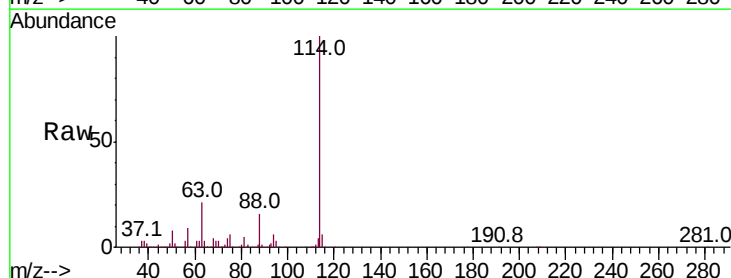
RT: 8.84 min Scan# 1138

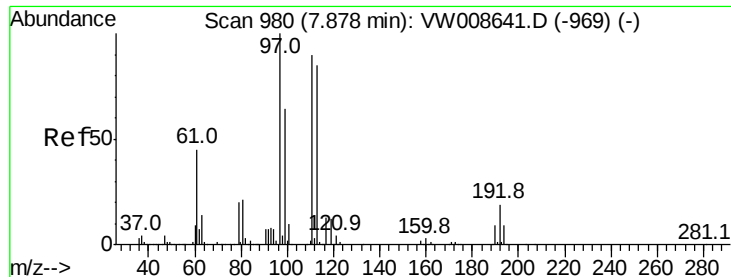
Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.2
88	15.9	0.0	29.6





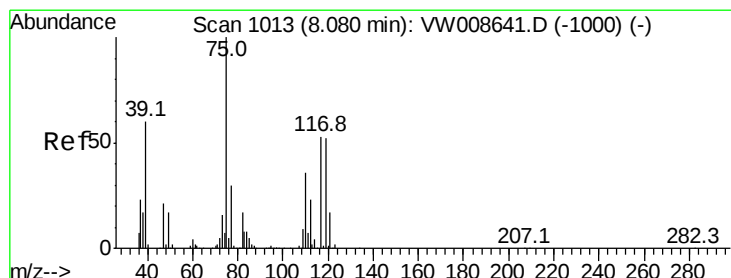
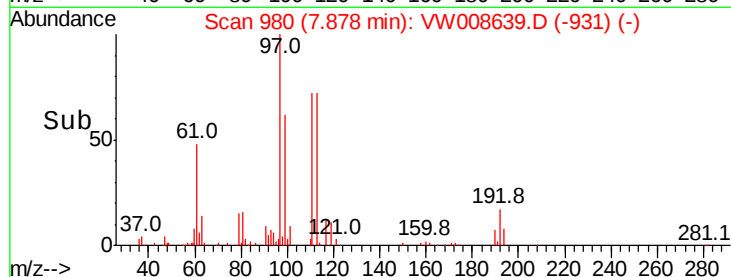
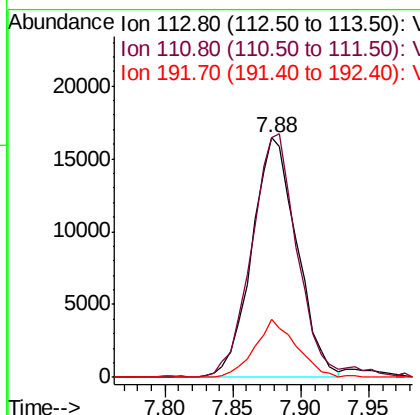
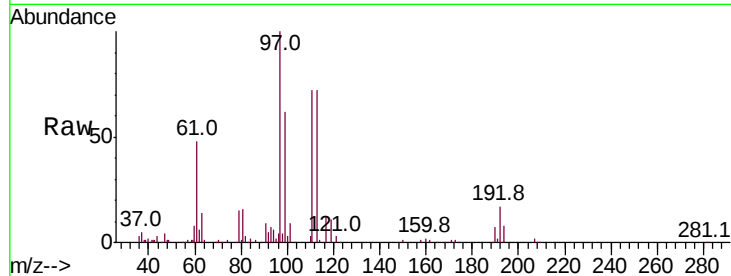
#35
Dibromofluoromethane
Concen: 9.422 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	84.0	126.0
192	22.4	17.4	26.2

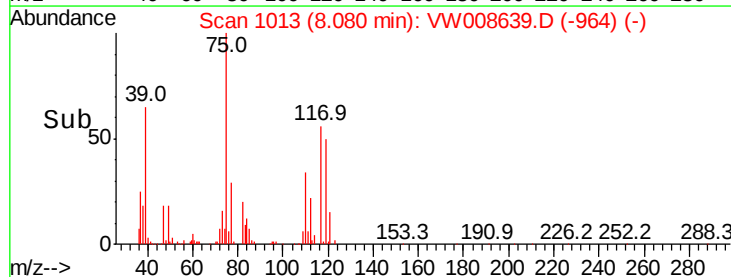
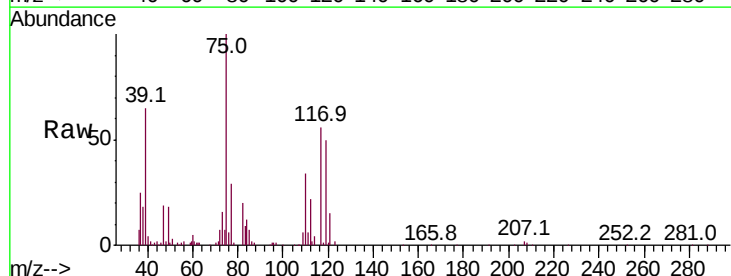
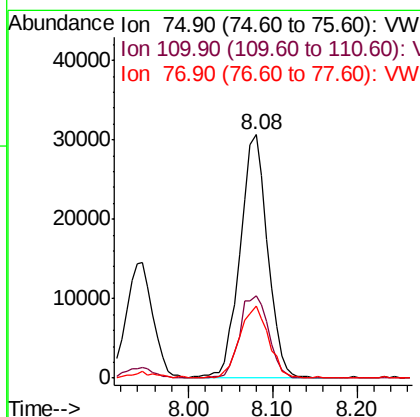
Manual Integrations
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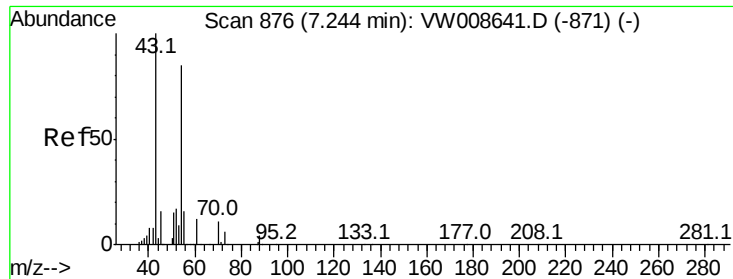
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2/14/2019 2:08:49 PM



#36
1,1-Dichloropropene
Concen: 10.256 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.8	53.3
77	31.3	24.7	37.1





#37

Ethyl Acetate

Concen: 9.127 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.01 min

Lab File: VW008639.D

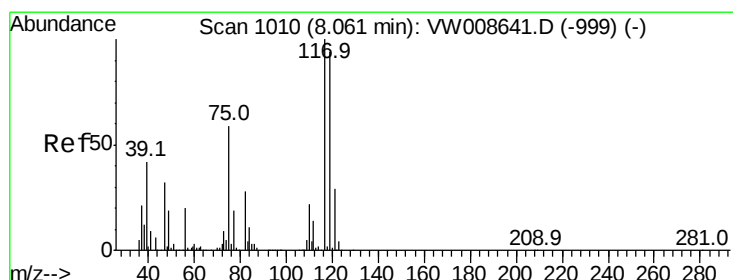
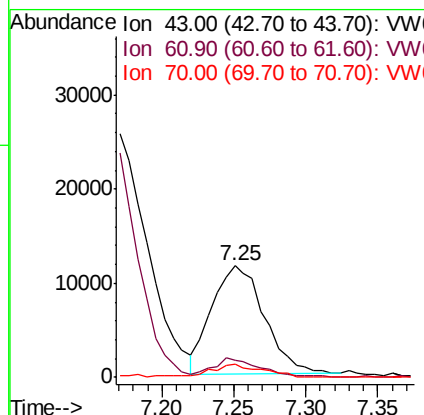
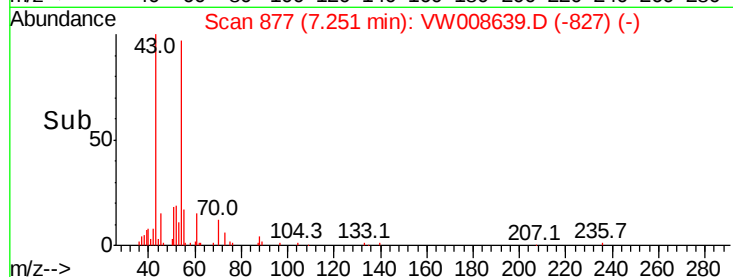
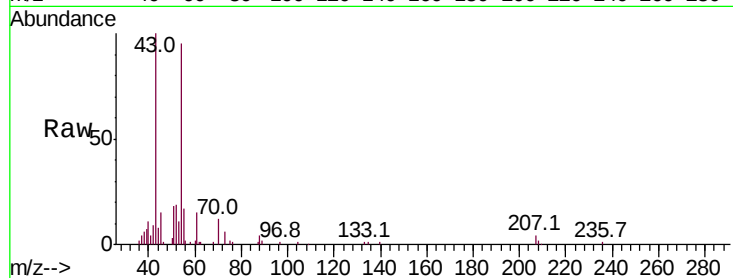
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.5	15.7#
70	11.5	8.1	12.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 10.239 ug/l

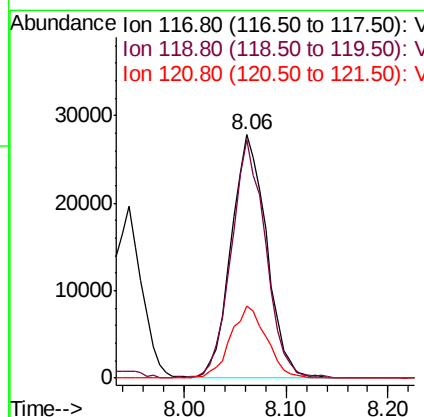
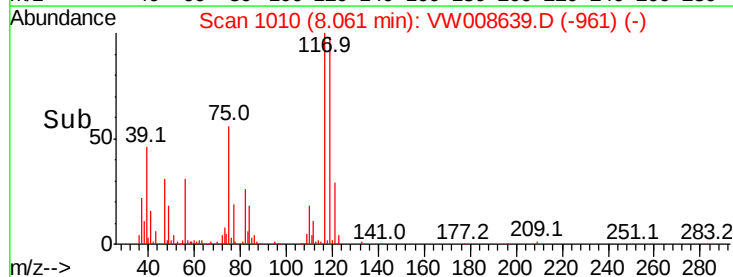
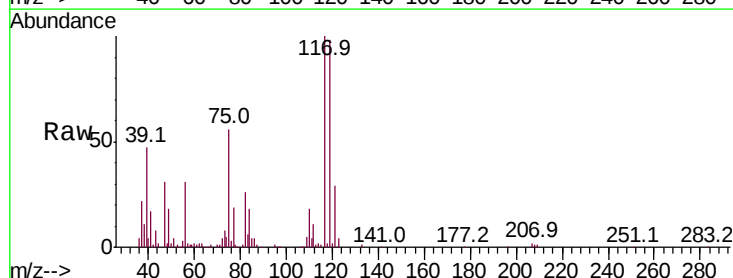
RT: 8.06 min Scan# 1010

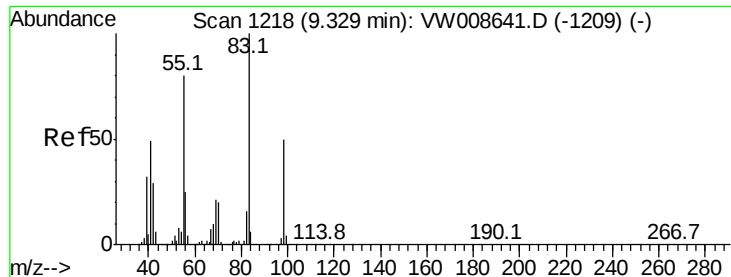
Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	75.1	112.7
121	29.5	23.5	35.3





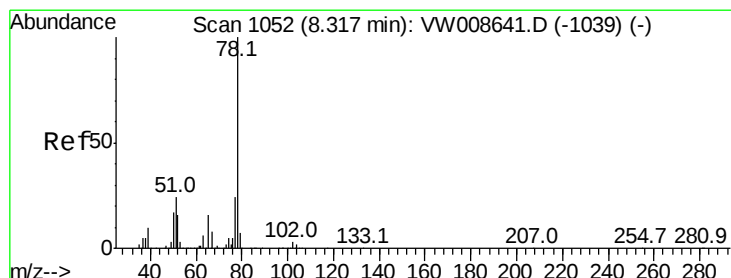
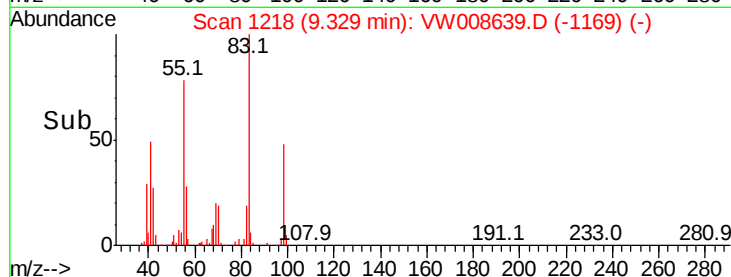
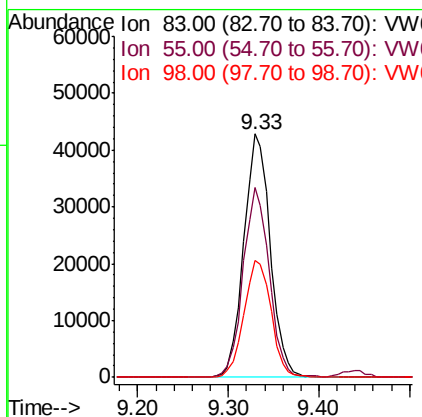
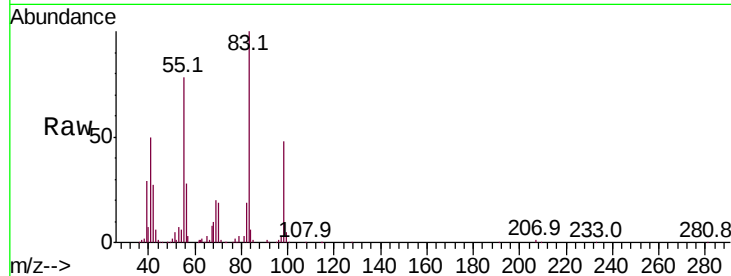
#39
Methvlcvclohexane
Concen: 10.393 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tot Ion	83	Resp	86343
Ion Ratio	100	Lower	Upper
83	100		
55	77.7	63.9	95.9
98	48.2	40.2	60.2

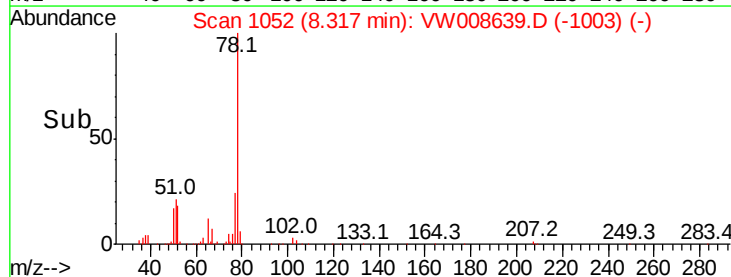
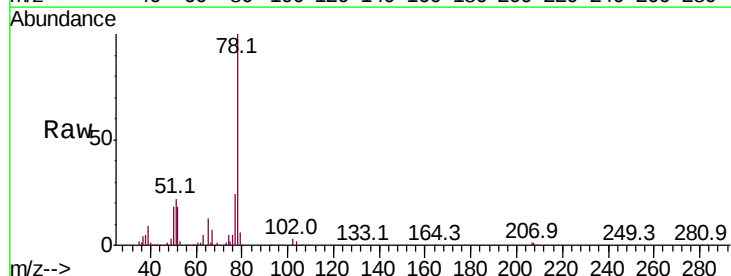
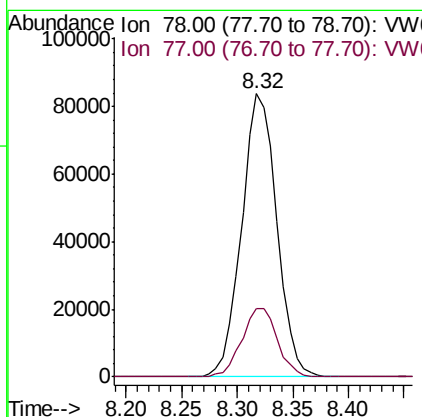
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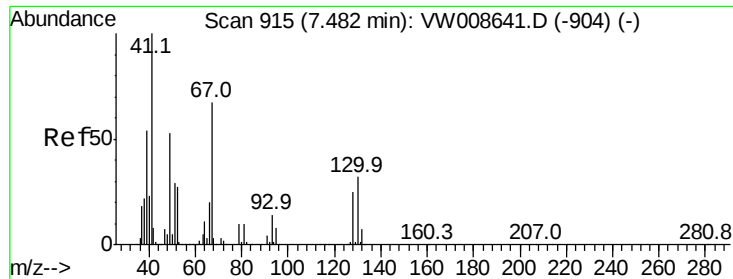
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#40
Benzene
Concen: 10.250 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	78	Resp	183879
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.5	29.3





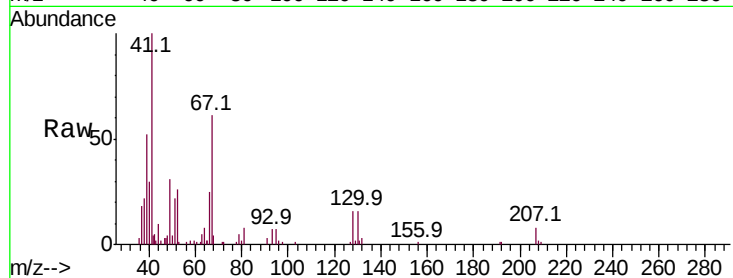
#41
Methacrylonitrile
Concen: 10.028 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.4	39.7	59.5#
67	70.0	52.5	78.7
52	31.6	23.1	34.7

Manual Integrations
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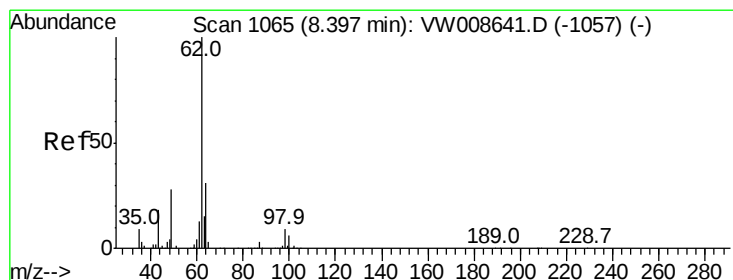
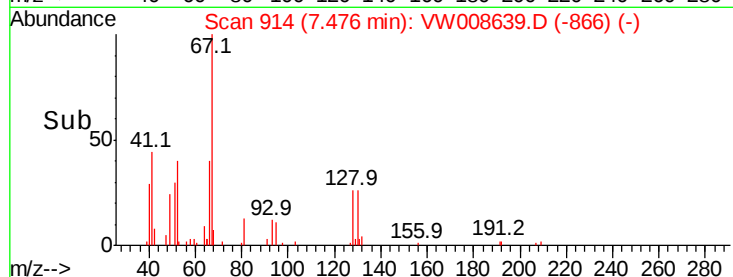
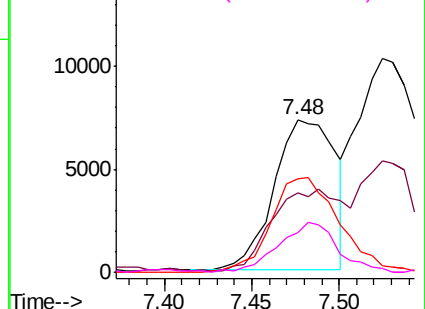
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

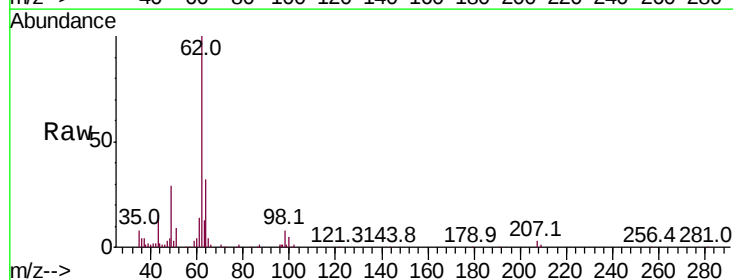
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 10.127 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

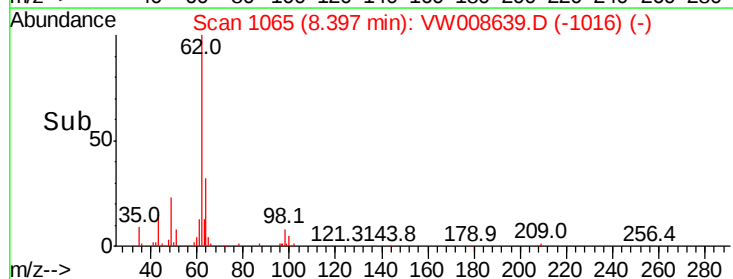
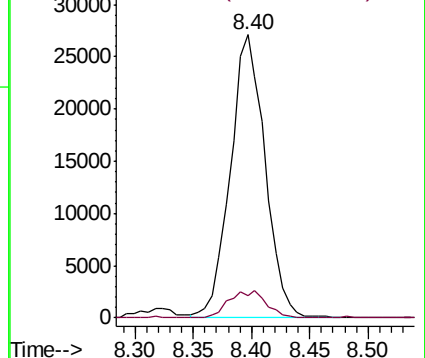
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.2

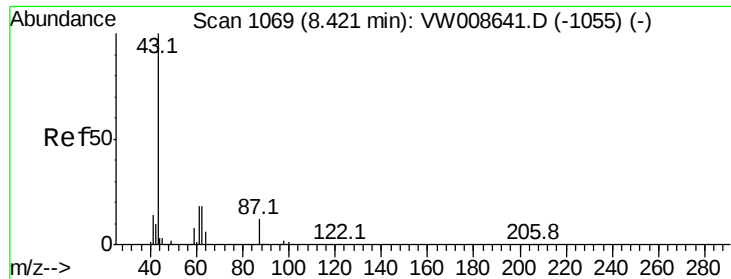


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 9.320 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

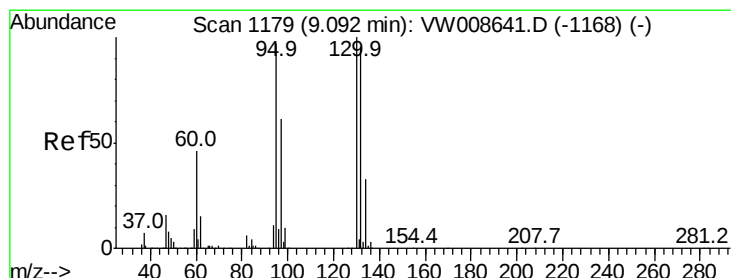
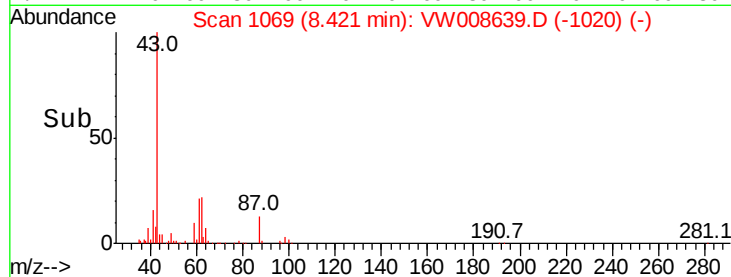
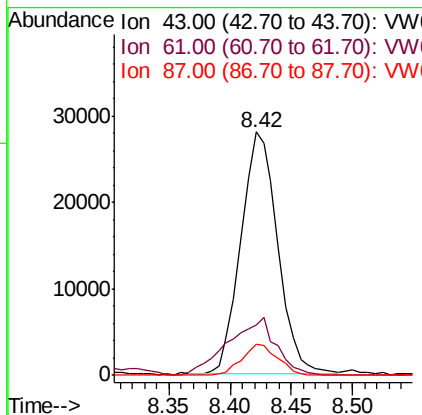
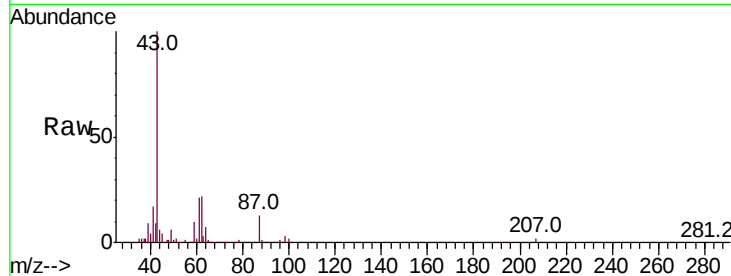
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	58885
Ion	Ratio	Lower	Upper
43	100		
61	30.8	21.4	32.2
87	12.5	9.8	14.8

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#44

Trichloroethene

Concen: 10.274 ug/l

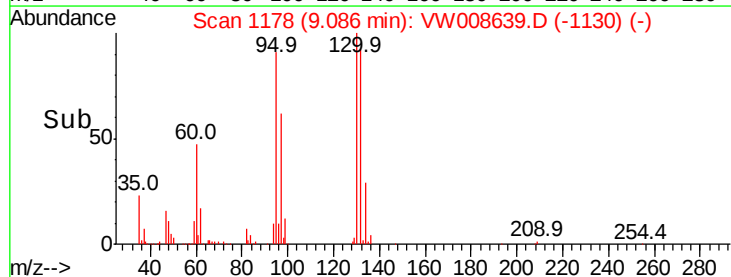
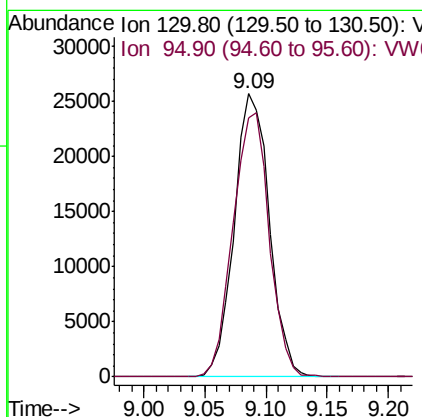
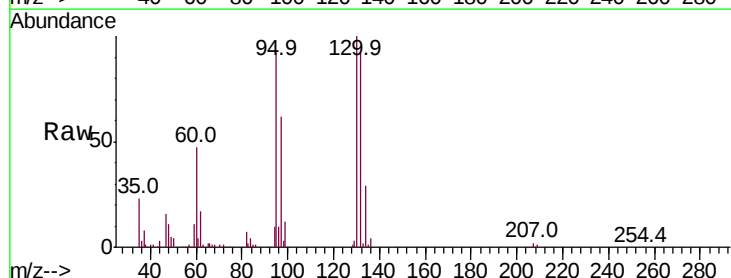
RT: 9.09 min Scan# 1178

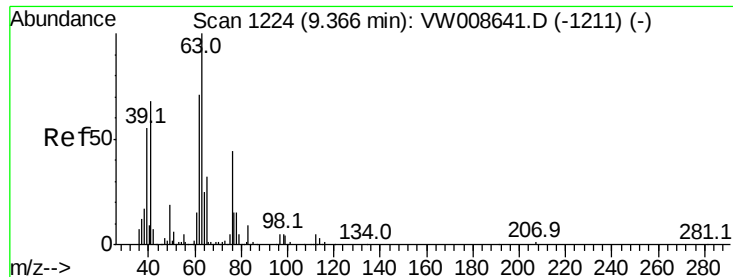
Delta R.T. -0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion:	130	Resp:	51103
Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	193.4





#45

1,2-Dichloropropane

Concen: 10.256 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 45534

Ion Ratio Lower Upper

63 100

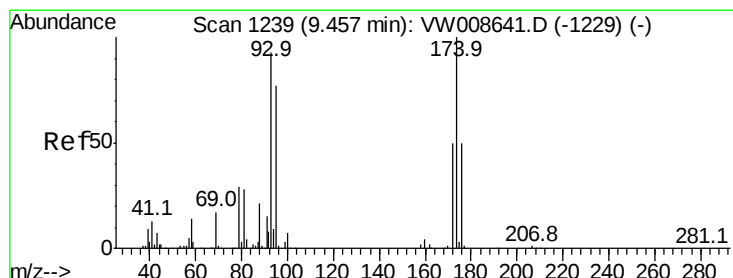
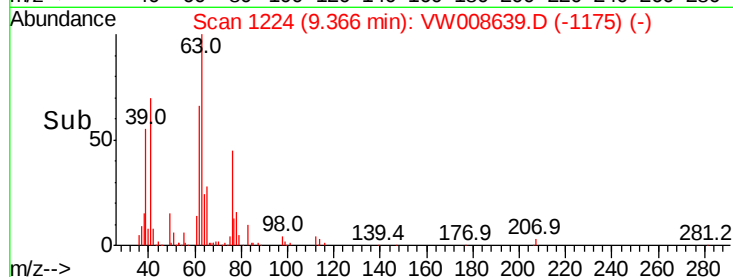
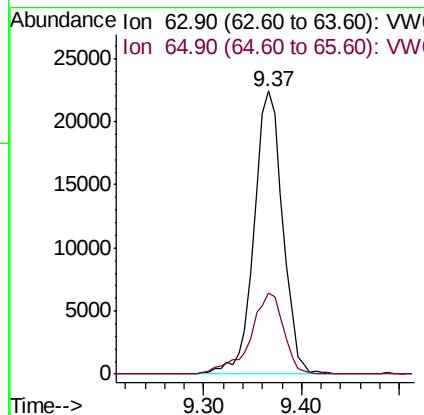
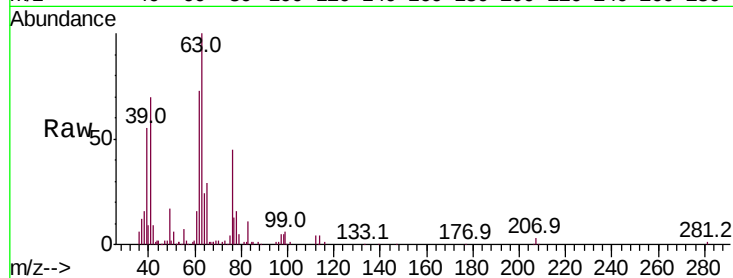
65 28.5 25.4 38.0

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#46

Dibromomethane

Concen: 10.139 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

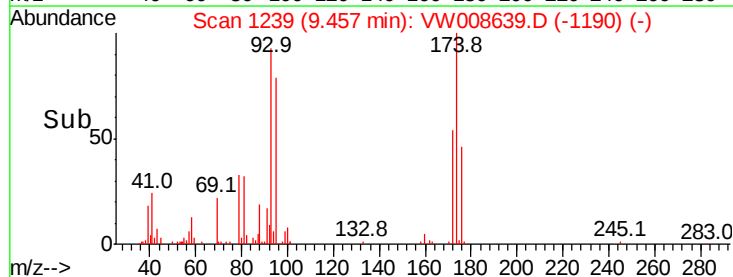
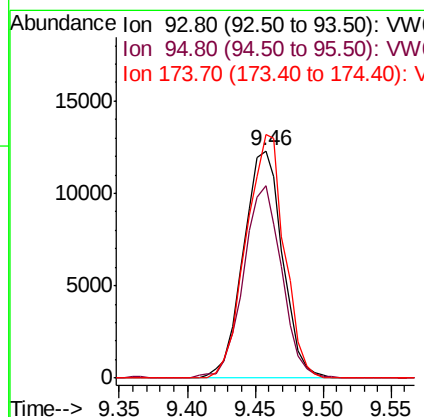
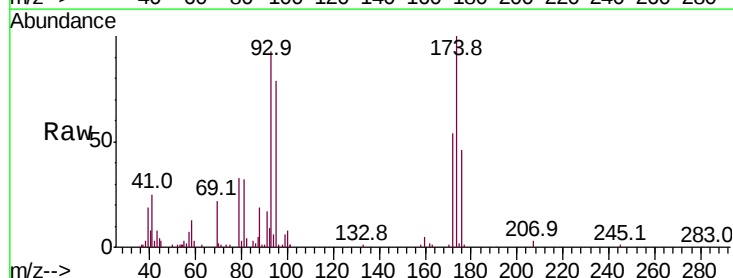
Tgt Ion: 93 Resp: 24795

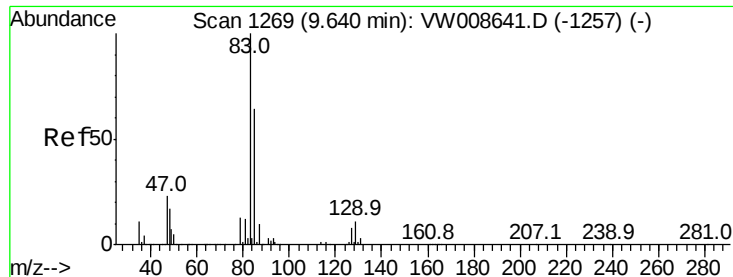
Ion Ratio Lower Upper

93 100

95 82.5 65.8 98.8

174 104.7 82.5 123.7





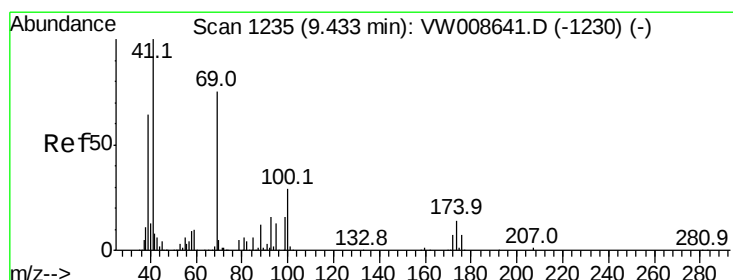
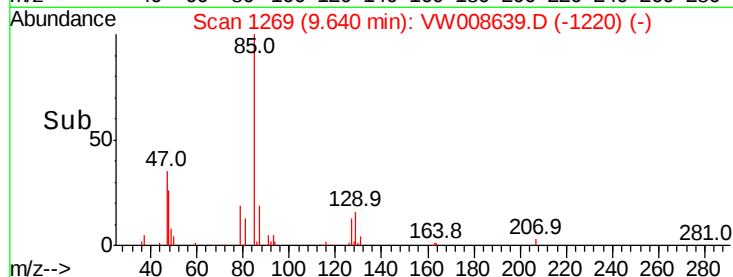
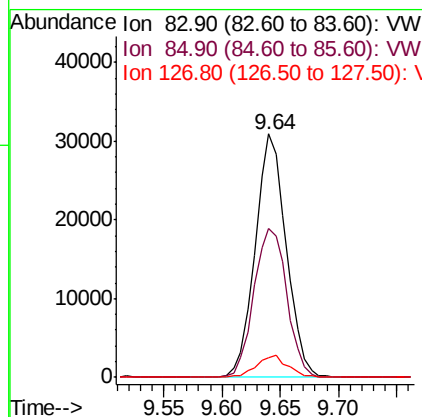
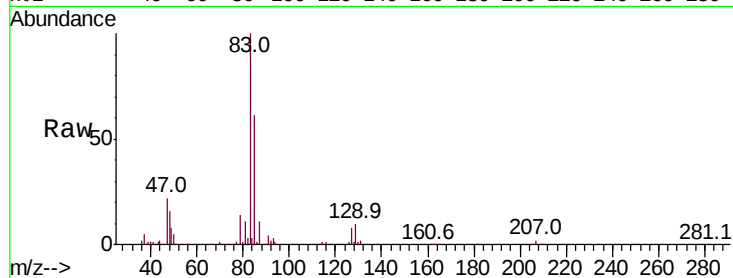
#47
Bromodichloromethane
Concen: 9.743 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	57262		
85	61.1		51.2	76.8
127	8.3		6.4	9.6

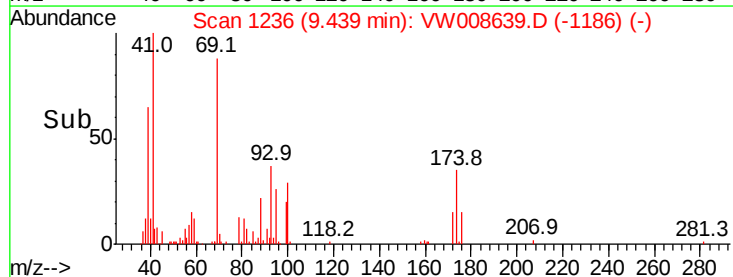
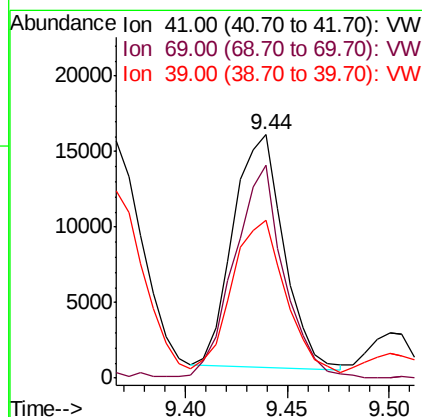
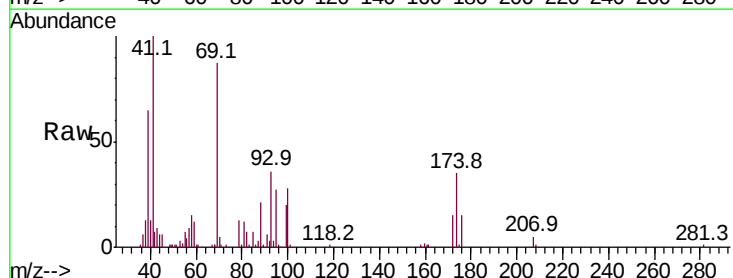
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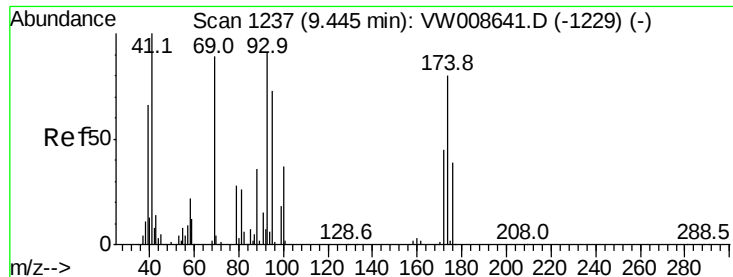
MMDadoda
2/14/2019 2:08:49 PM



#48
Methyl methacrylate
Concen: 9.076 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	26576		
69	90.3		64.1	96.1
39	68.2		52.3	78.5





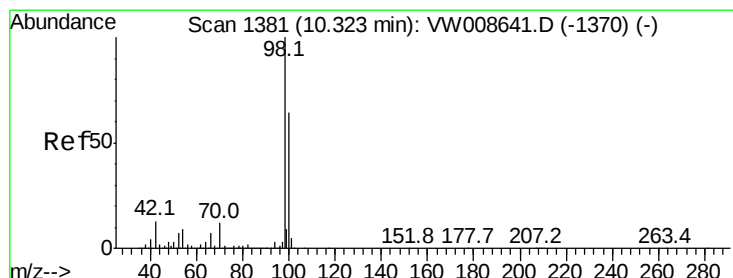
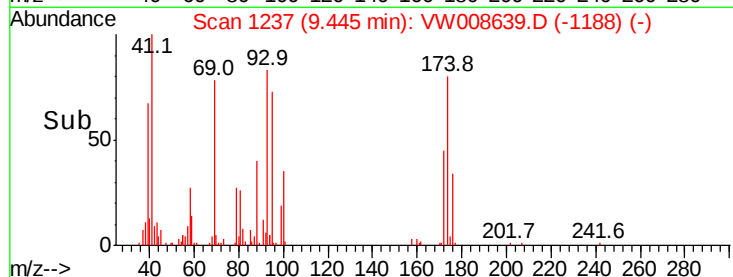
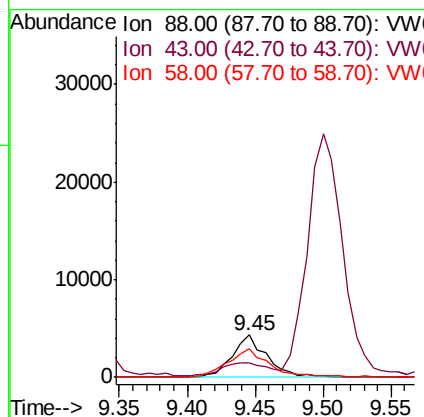
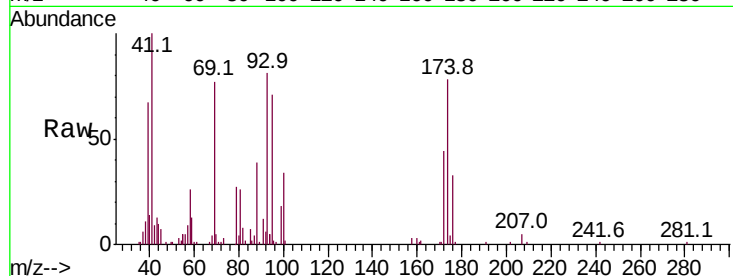
#49
1,4-Dioxane
Concen: 197.296 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	31.0	46.6
58	80.1	57.0	85.6

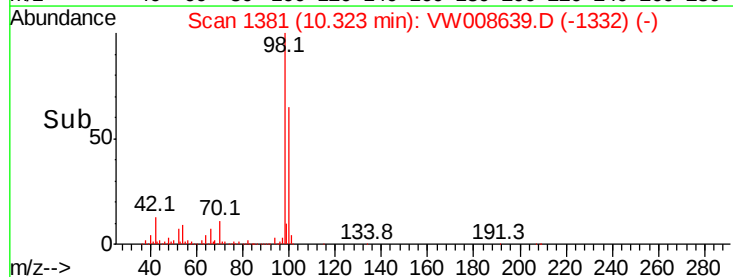
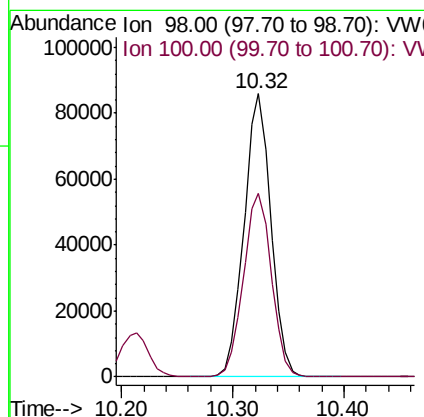
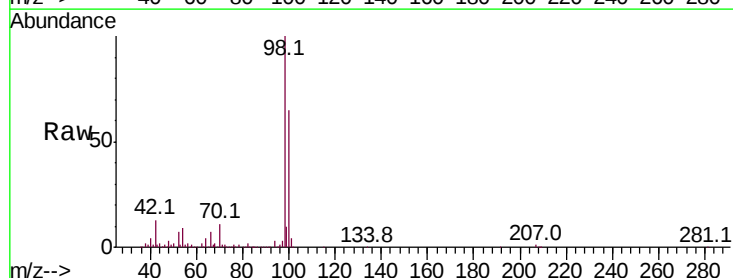
Manual Integrations
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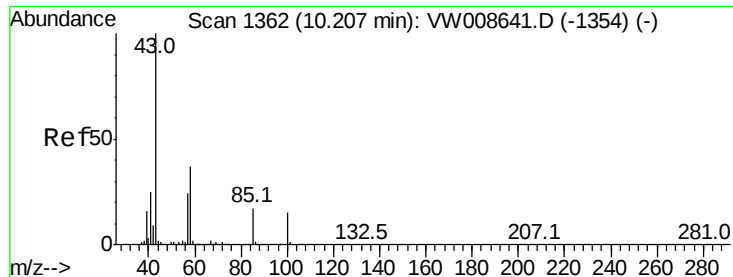
MMDadoda
2/14/2019 2:08:49 PM



#50
Toluene-d8
Concen: 9.195 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 47.724 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 154889

Ion Ratio Lower Upper

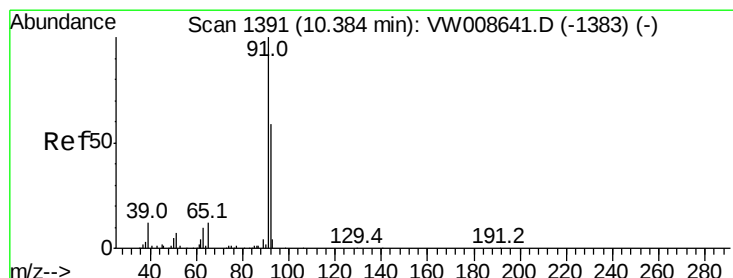
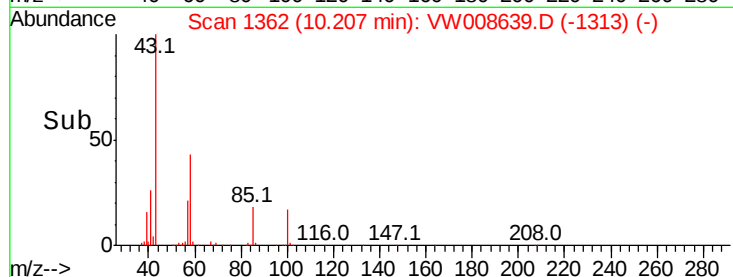
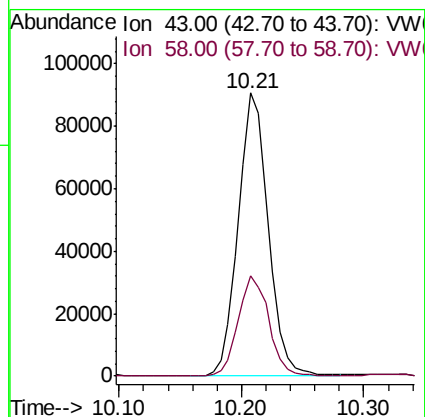
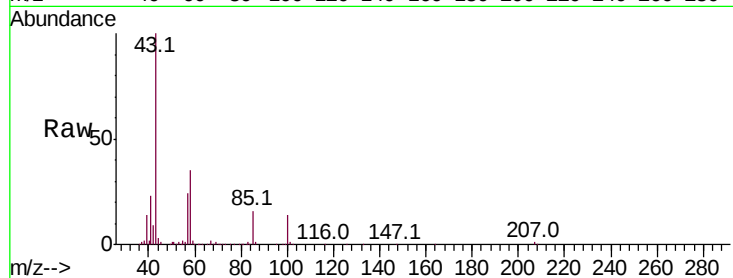
43 100

58 36.0 29.0 43.6

Manual Integrations
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2/14/2019 2:08:49 PM



#52

Toluene

Concen: 9.926 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008639.D

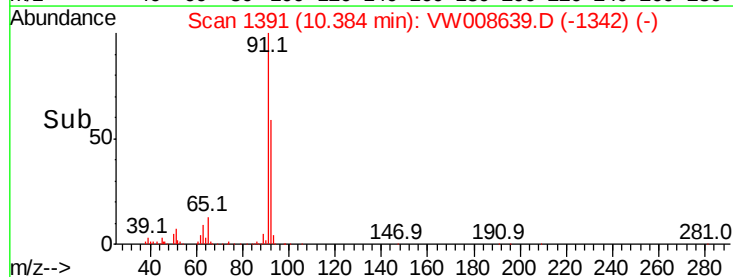
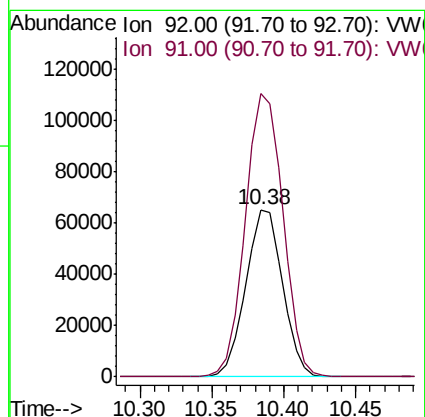
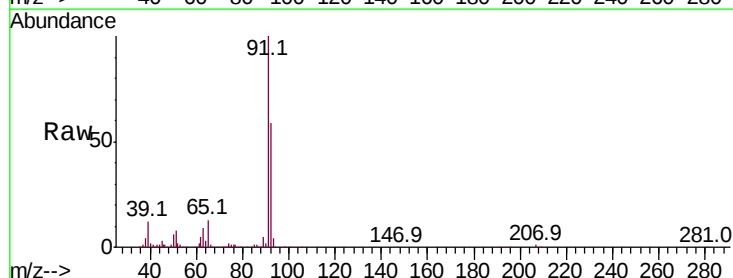
Acq: 13 Feb 2019 14:45

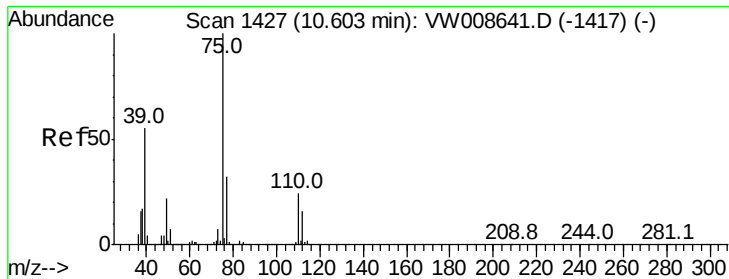
Tgt Ion: 92 Resp: 114873

Ion Ratio Lower Upper

92 100

91 173.9 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 9.579 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 59147

Ion Ratio Lower Upper

75 100

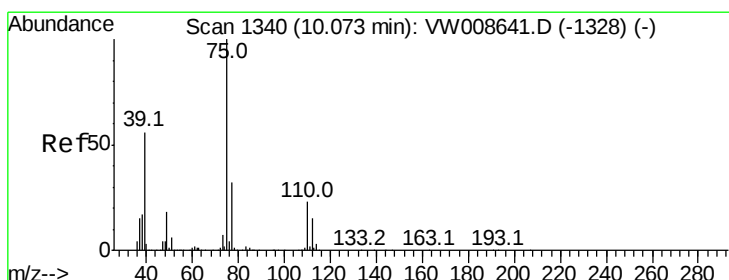
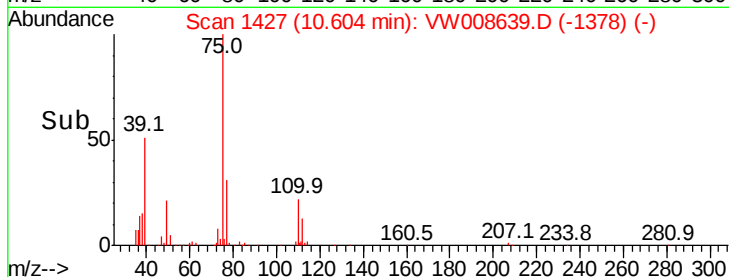
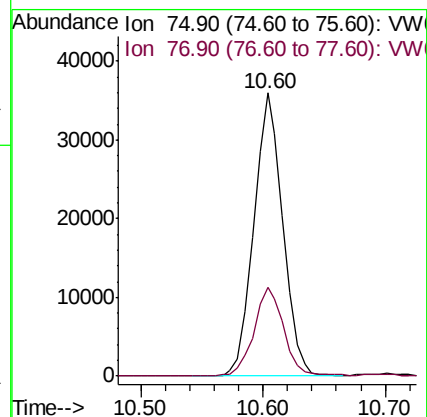
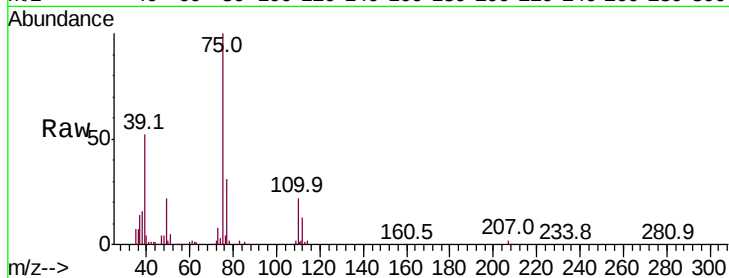
77 31.2 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 9.677 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

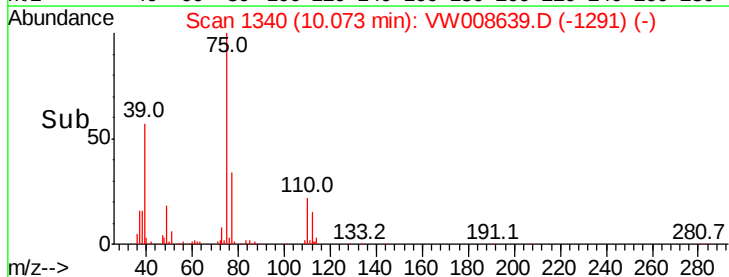
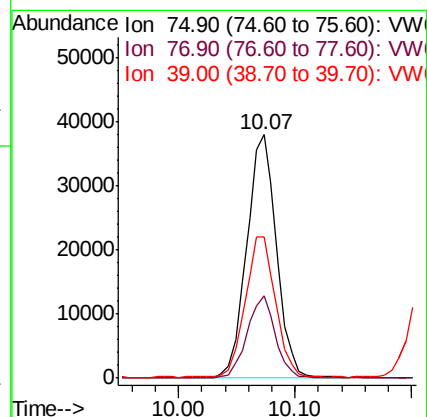
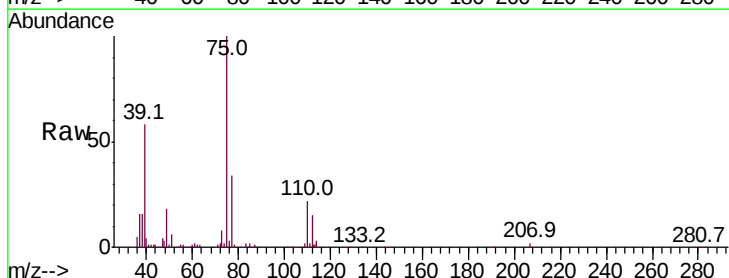
Tgt Ion: 75 Resp: 67735

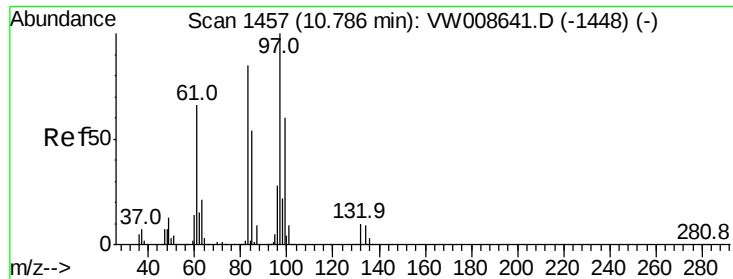
Ion Ratio Lower Upper

75 100

77 33.6 25.4 38.0

39 57.5 44.5 66.7





#55

1,1,2-Trichloroethane

Concen: 9.971 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

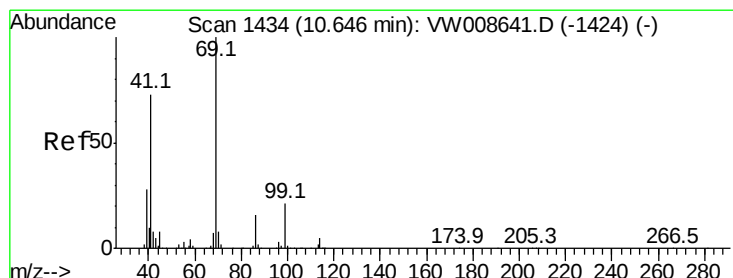
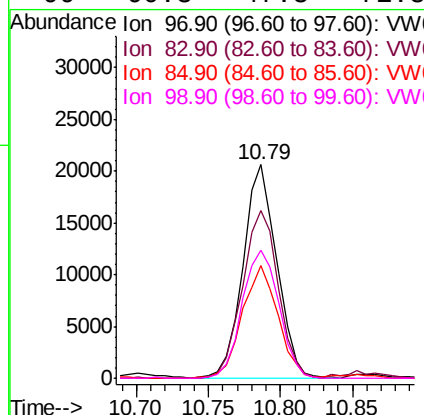
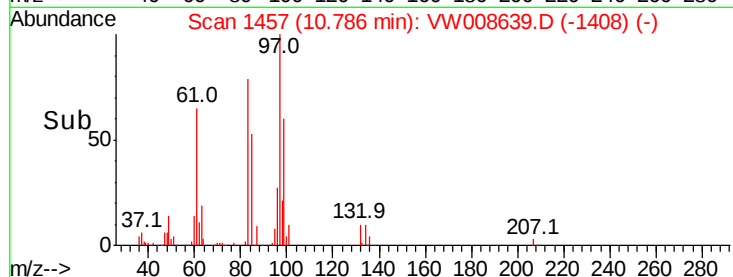
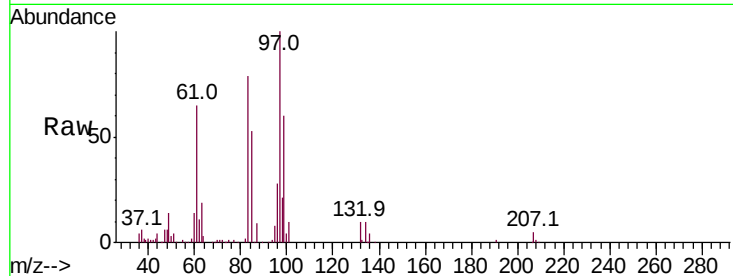
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.0	68.4	102.6
85	52.7	43.1	64.7
99	60.3	47.8	71.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 9.287 ug/l

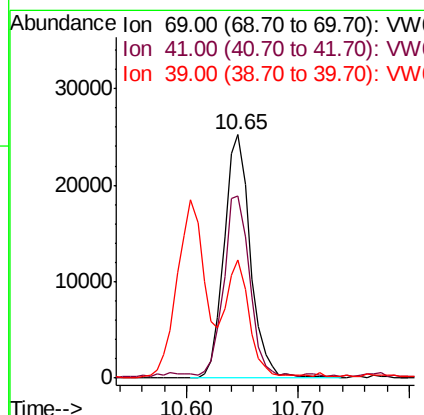
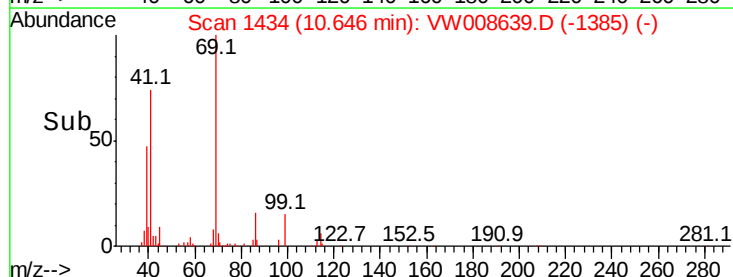
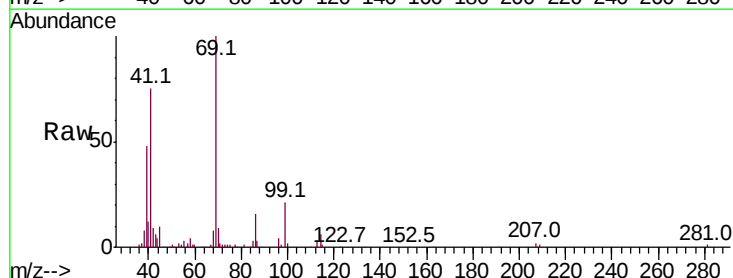
RT: 10.65 min Scan# 1434

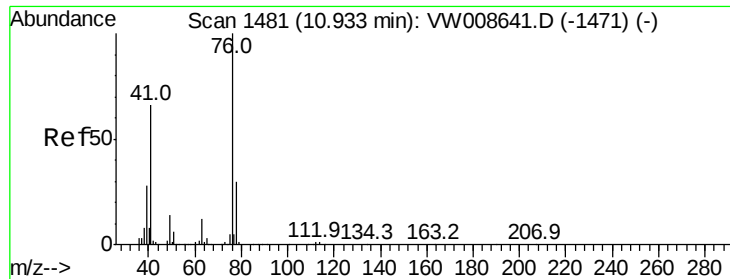
Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.9	59.0	88.4
39	40.1	34.4	51.6





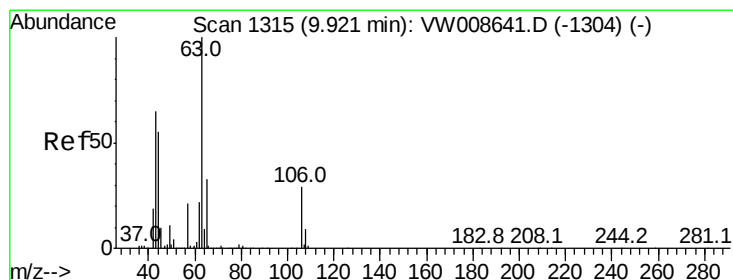
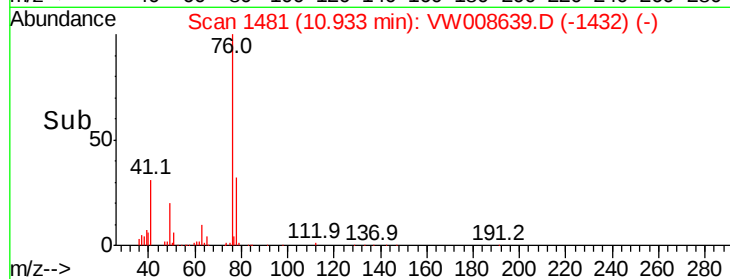
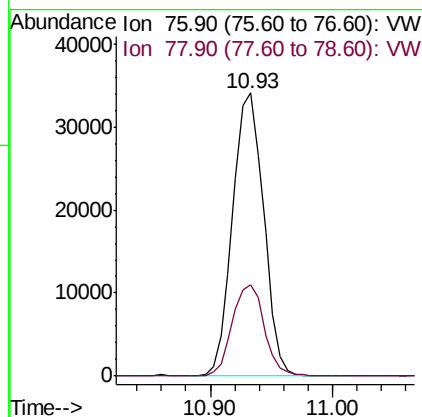
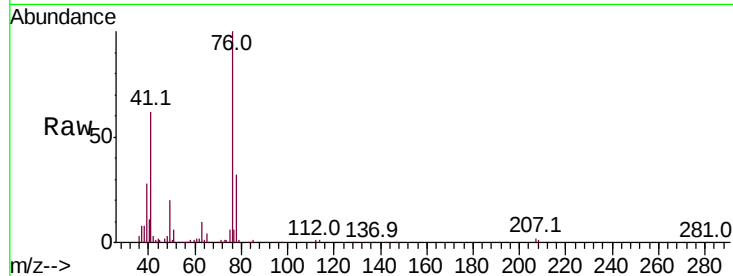
#57
 1,3-Dichloropropane
 Concen: 10.055 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 59864
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.4 38.0

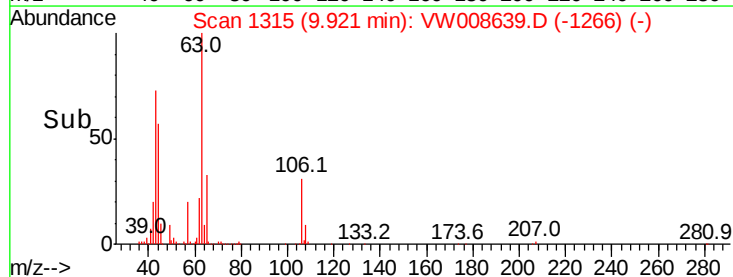
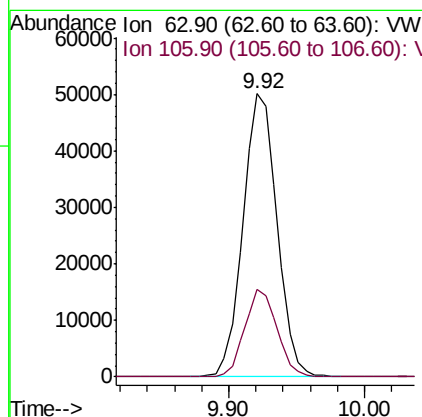
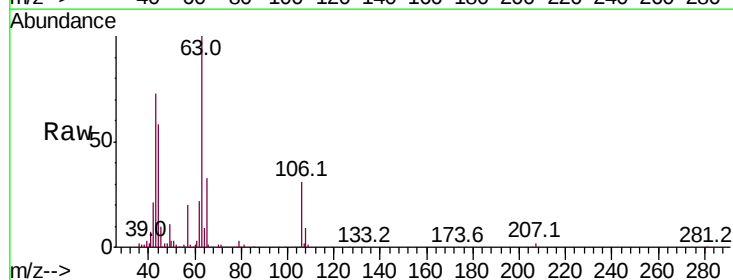
Manual Integrations
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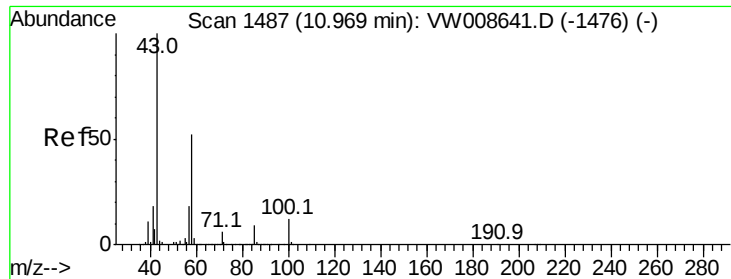
MMDadoda
 2/14/2019 2:08:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 40.981 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 63 Resp: 87598
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.4 35.2





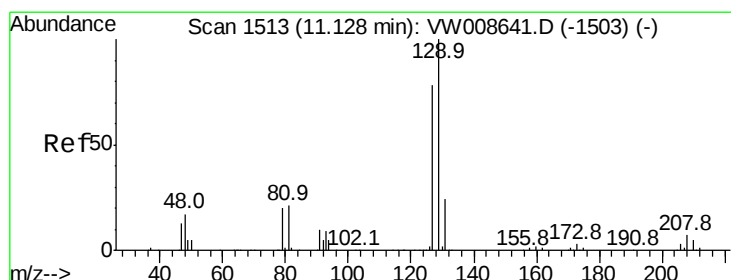
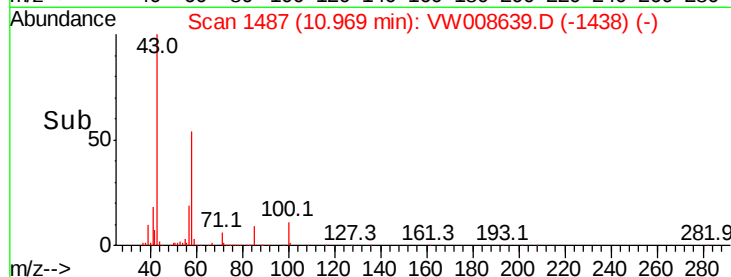
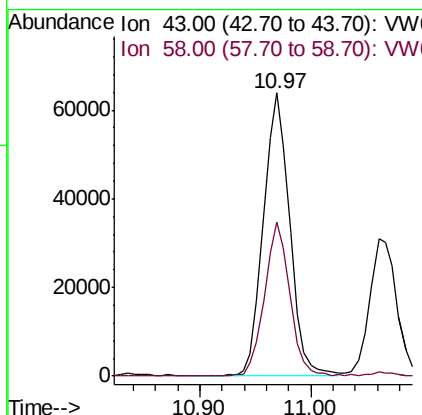
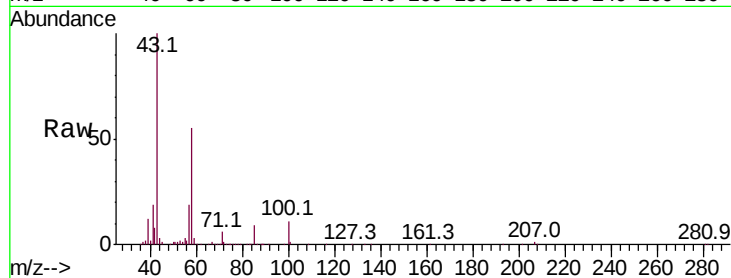
#59
2-Hexanone
Concen: 46.482 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 105977
Ion Ratio Lower Upper
43 100
58 52.2 25.6 76.6

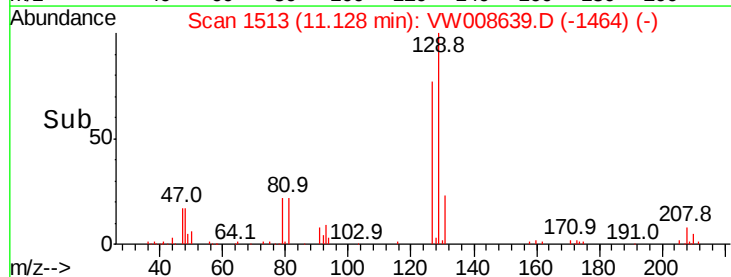
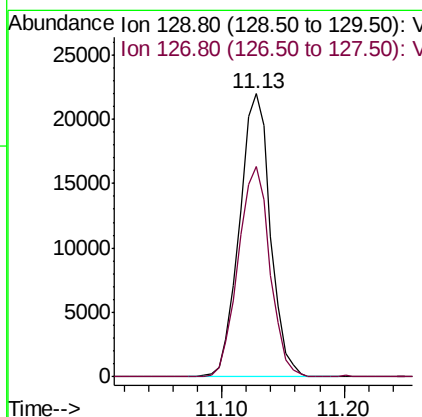
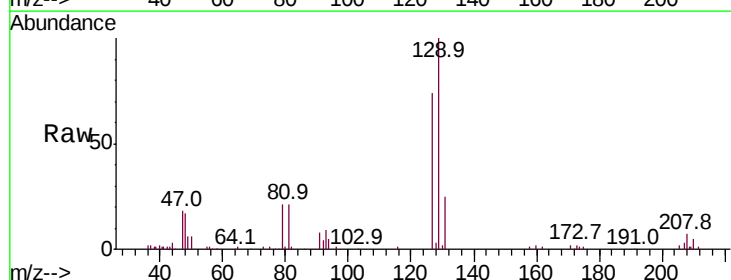
Manual Integrations
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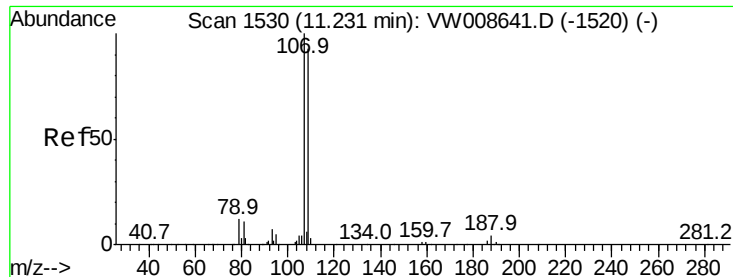
MMDadoda
2/14/2019 2:08:49 PM



#60
Dibromochloromethane
Concen: 9.568 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion: 129 Resp: 38417
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 9.736 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 32168

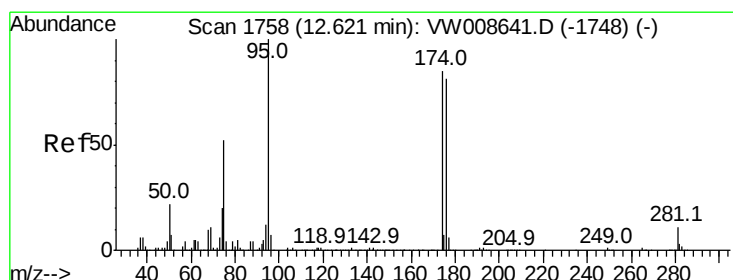
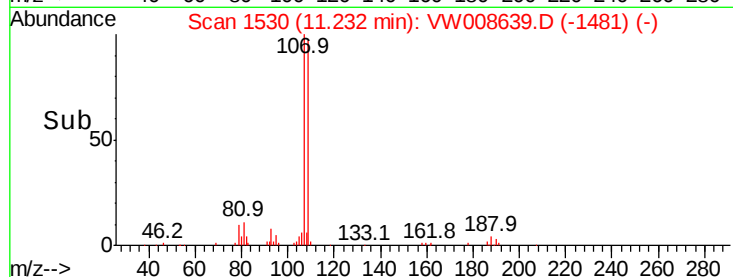
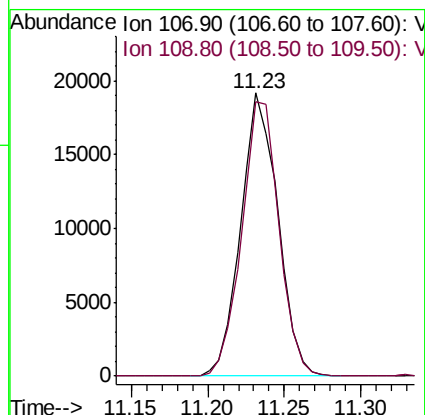
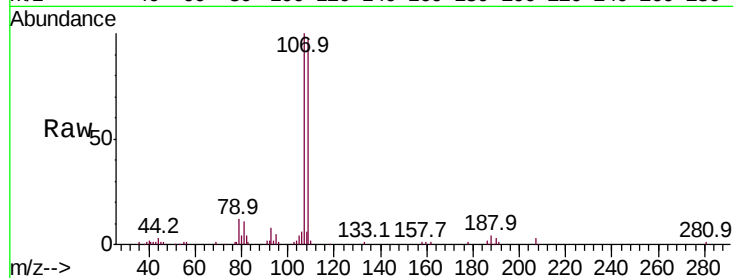
Ion Ratio Lower Upper

107 100

109 97.7 74.8 112.2

Manual Integrations
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2/14/2019 2:08:49 PM



#62

4-Bromofluorobenzene

Concen: 9.128 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

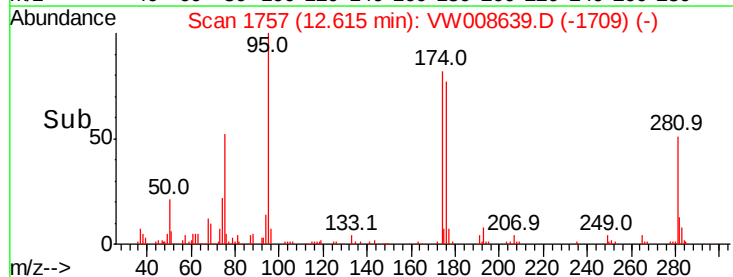
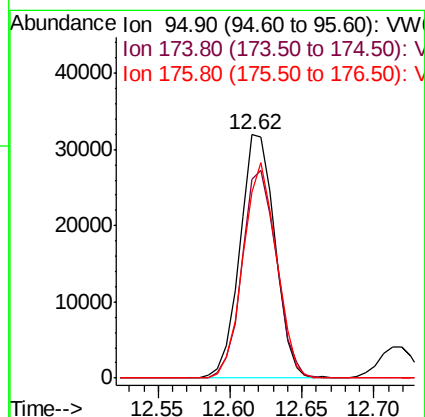
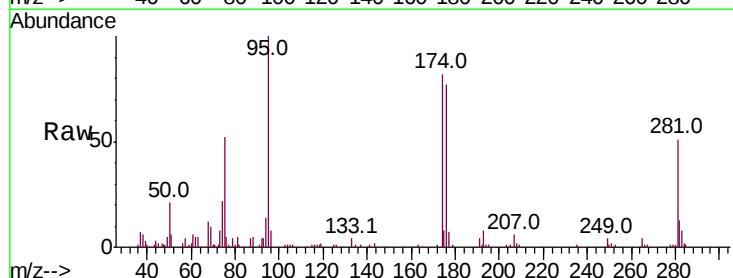
Tgt Ion: 95 Resp: 53804

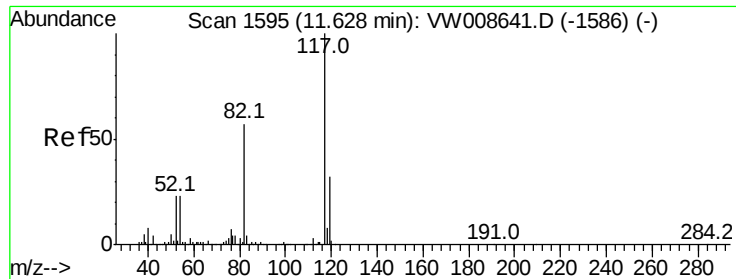
Ion Ratio Lower Upper

95 100

174 83.9 0.0 163.2

176 84.4 0.0 158.0





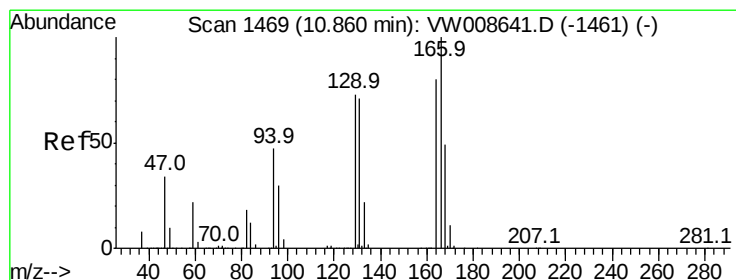
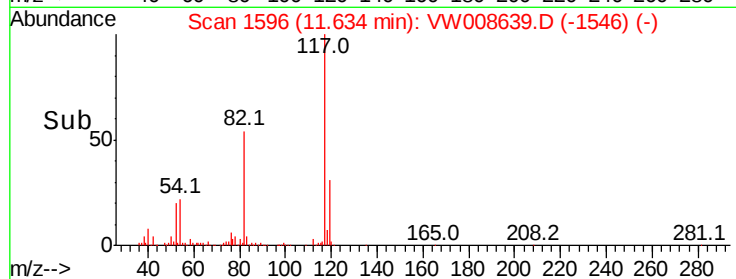
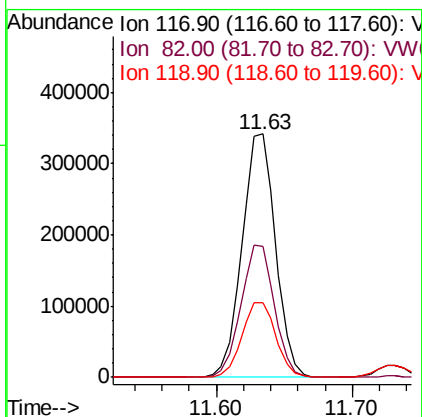
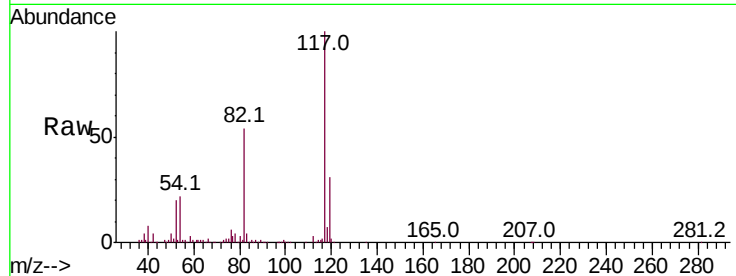
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.9	45.6	68.4
119	30.9	25.7	38.5

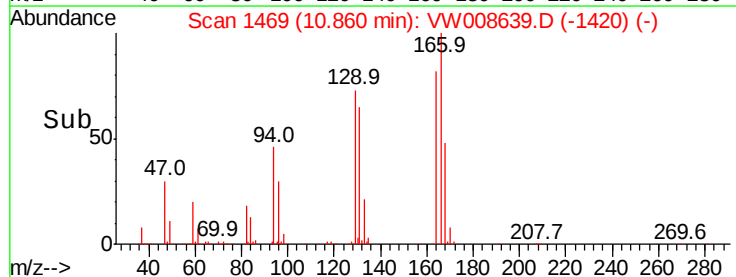
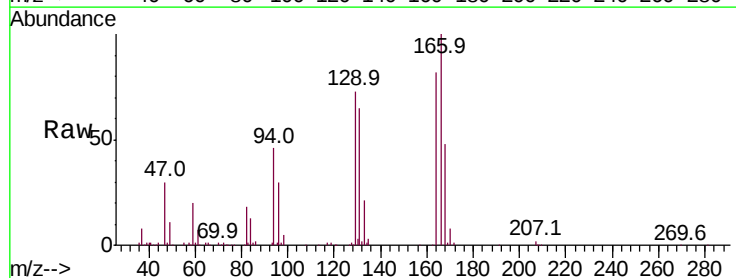
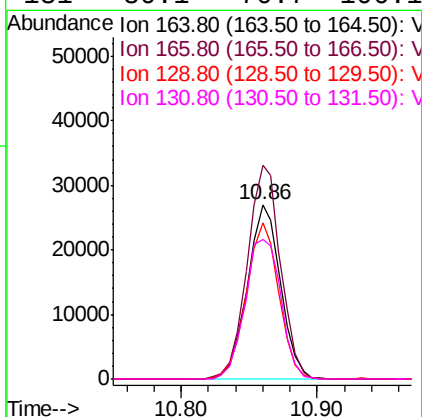
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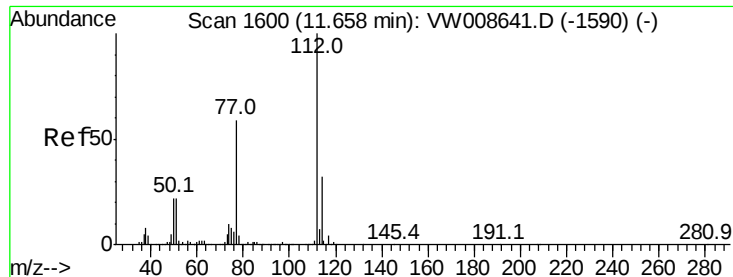
MMDadoda
2/14/2019 2:08:49 PM



#64
Tetrachloroethene
Concen: 10.573 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	122.5	100.2	150.2
129	89.6	73.6	110.4
131	80.1	70.7	106.1





#65

Chlorobenzene

Concen: 10.164 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 128842

Ion Ratio Lower Upper

112 100

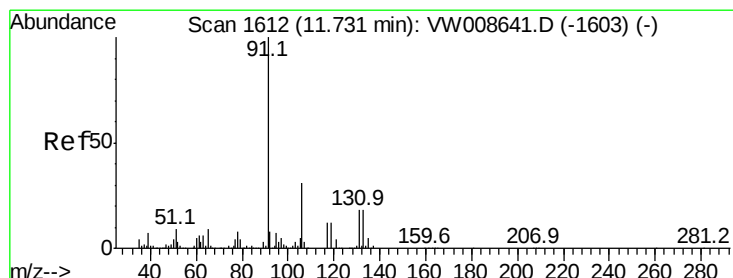
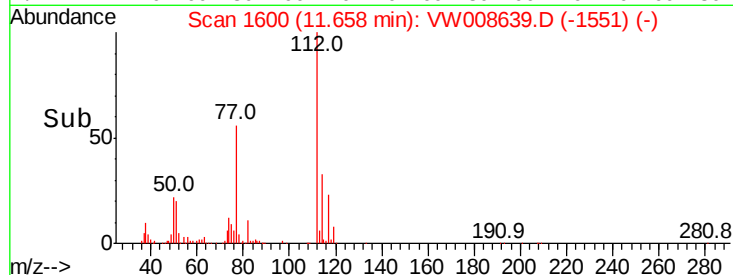
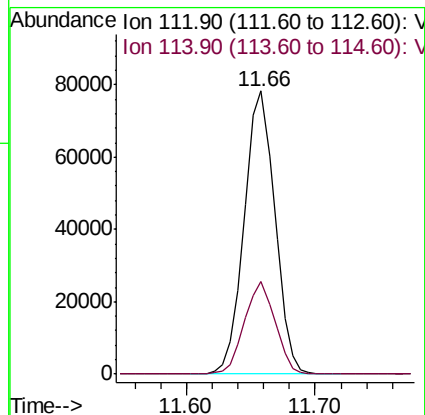
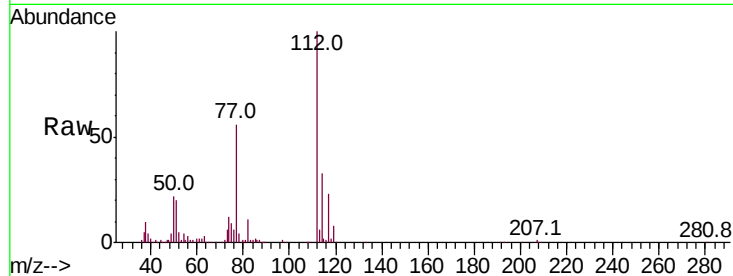
114 32.7 25.7 38.5

Manual Integrations

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2/14/2019 2:08:49 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 10.038 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

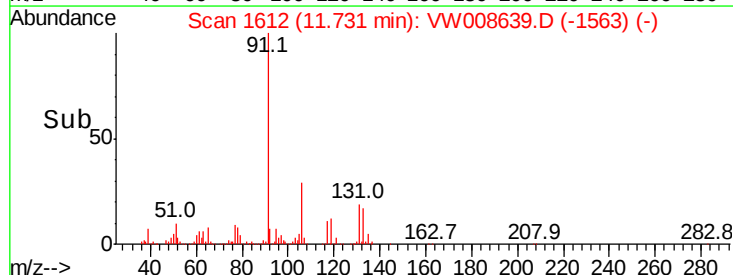
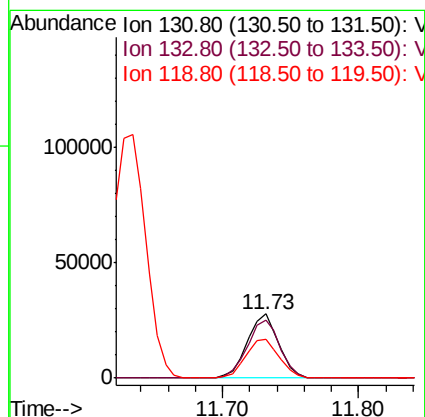
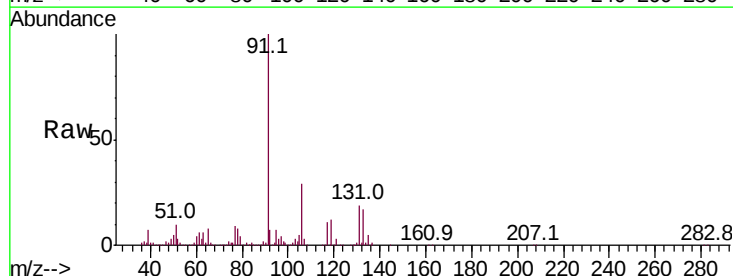
Tgt Ion:131 Resp: 45078

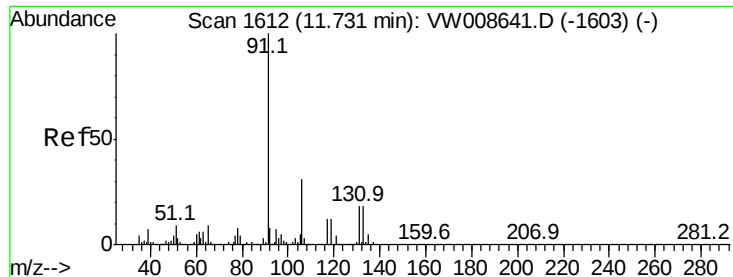
Ion Ratio Lower Upper

131 100

133 94.7 47.8 143.4

119 64.6 31.6 94.8





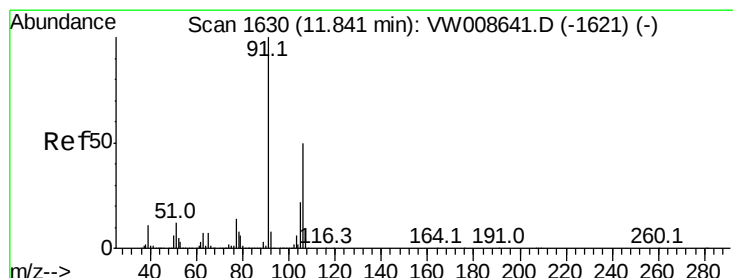
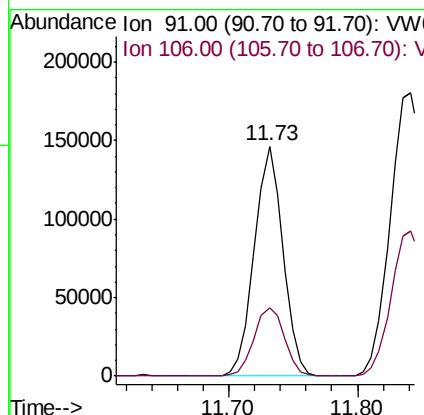
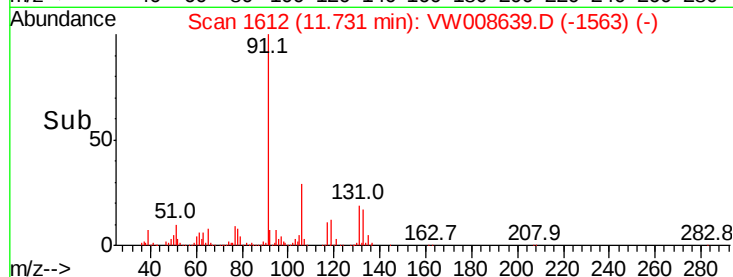
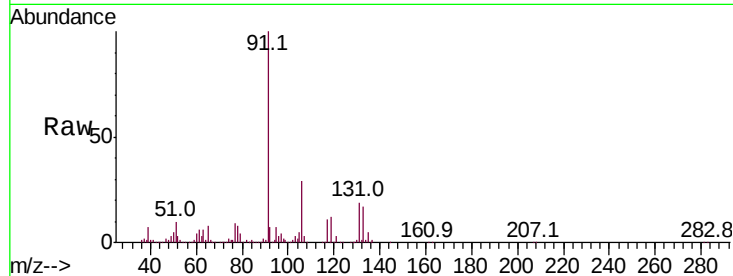
#67
Ethyl Benzene
Concen: 9.930 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.5	36.7

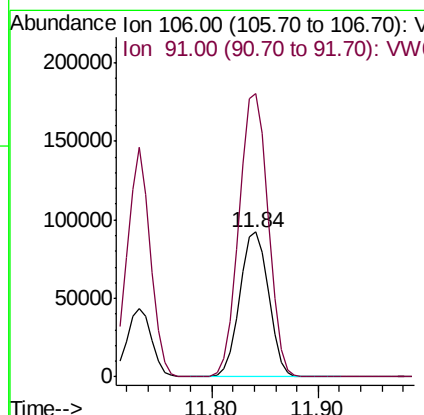
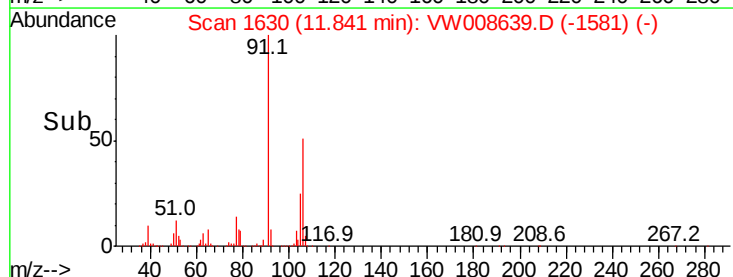
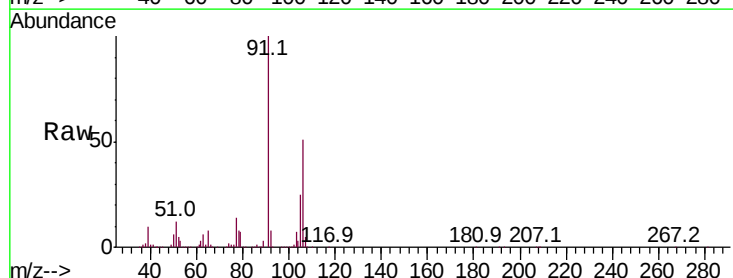
Manual Integrations
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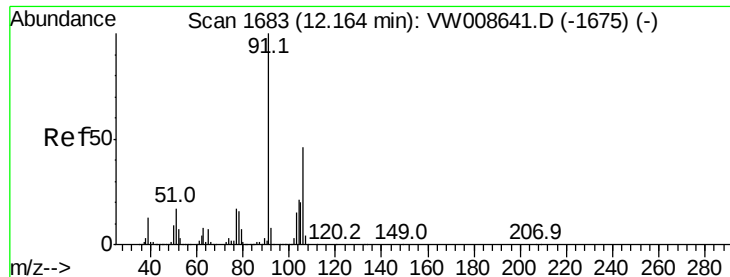
MMDadoda
2/14/2019 2:08:49 PM



#68
m/p-Xylenes
Concen: 20.097 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.4	161.0	241.4





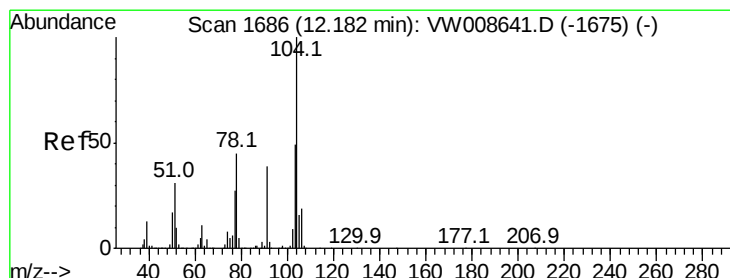
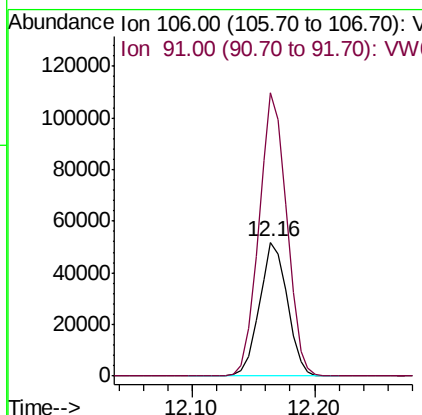
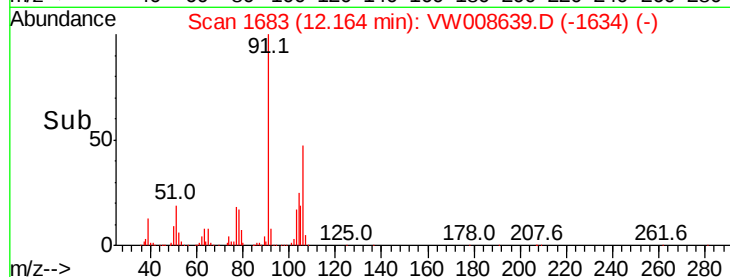
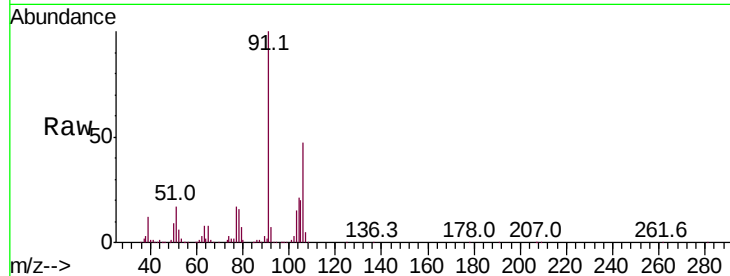
#69
o-Xylene
Concen: 9.916 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 82348
Ion Ratio Lower Upper
106 100
91 211.3 106.7 320.1

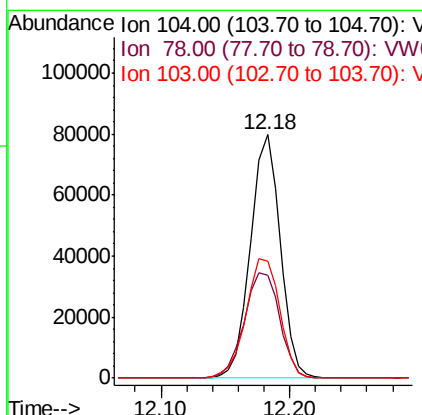
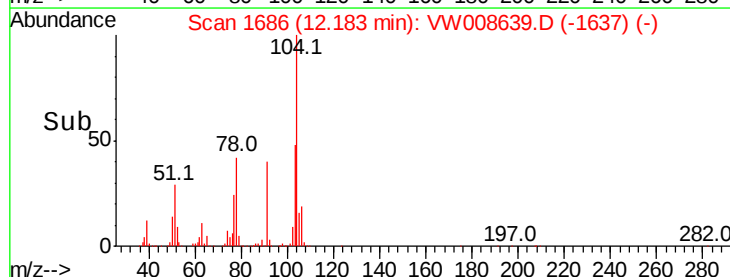
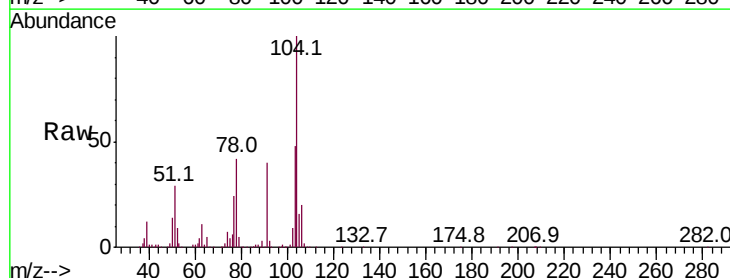
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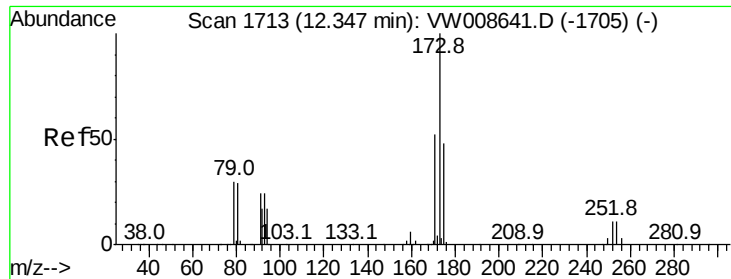
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2/14/2019 2:08:49 PM



#70
Styrene
Concen: 9.395 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion:104 Resp: 127441
Ion Ratio Lower Upper
104 100
78 51.9 41.5 62.3
103 55.9 43.5 65.3





#71

Bromoform

Concen: 9.169 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 22185

Ion Ratio Lower Upper

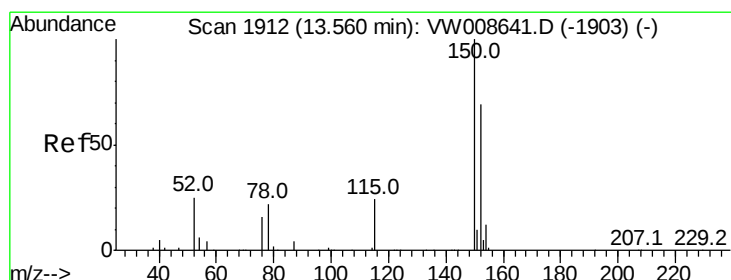
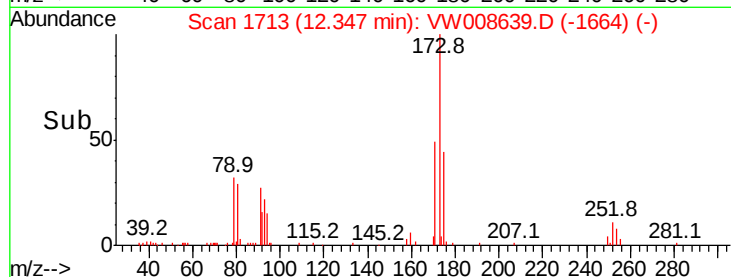
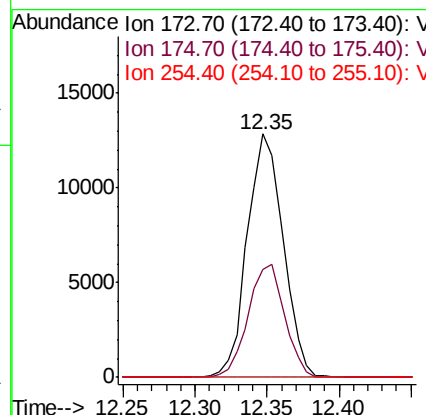
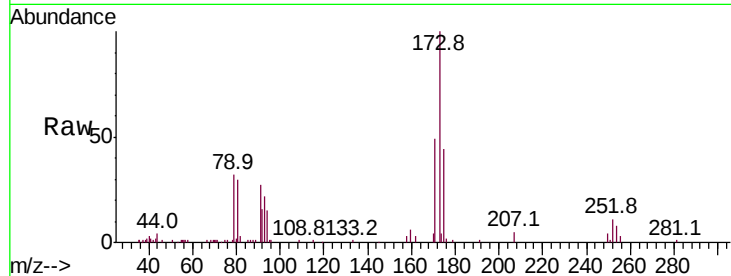
173 100

175 46.9 24.9 74.7

254 0.0 0.1 0.1#

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2/14/2019 2:08:49 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

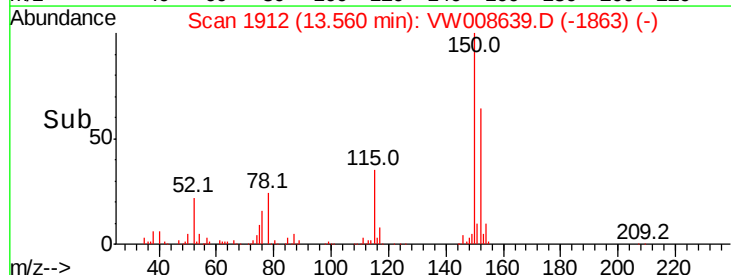
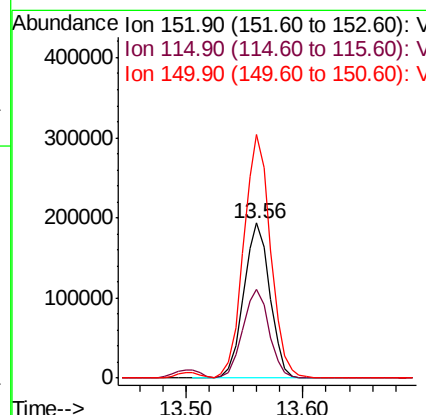
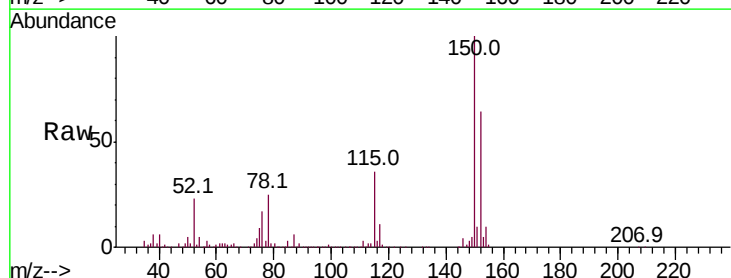
Tgt Ion:152 Resp: 302728

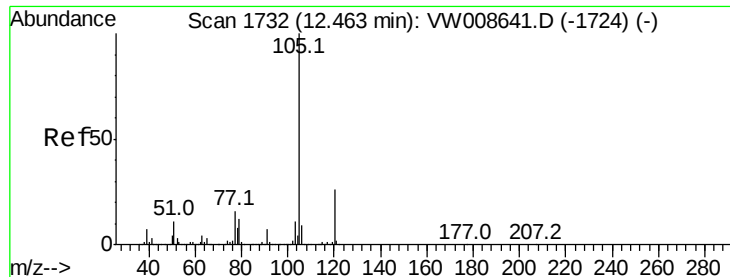
Ion Ratio Lower Upper

152 100

115 57.4 29.3 87.8

150 161.3 0.0 352.8





#73

Isopropylbenzene

Concen: 10.140 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 228649

Ion Ratio Lower Upper

105 100

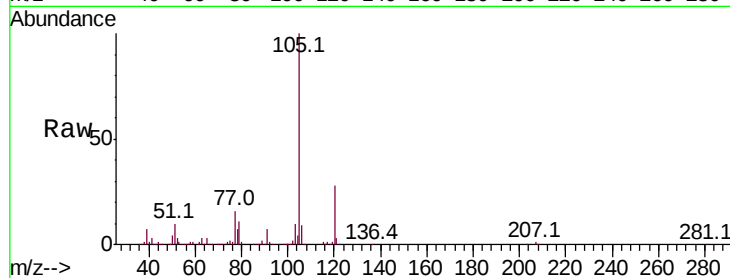
120 27.7 13.2 39.6

Manual Integrations

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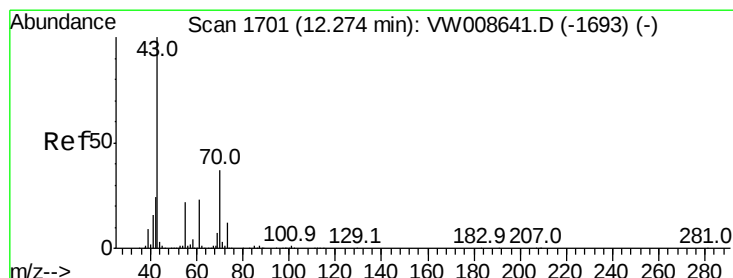
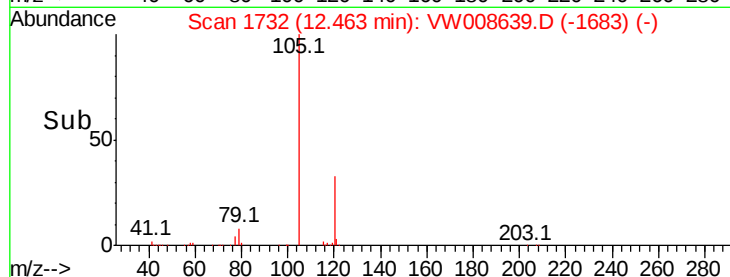
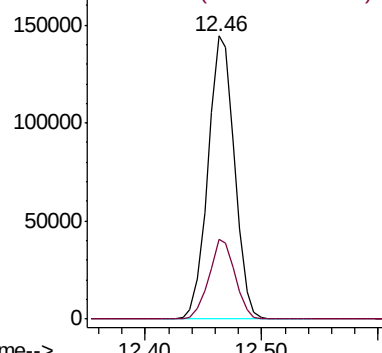
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.331 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion: 43 Resp: 56897

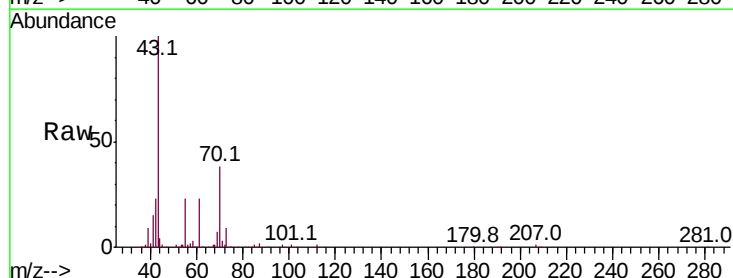
Ion Ratio Lower Upper

43 100

70 37.4 30.5 45.7

55 23.6 17.6 26.4

61 22.5 17.9 26.9

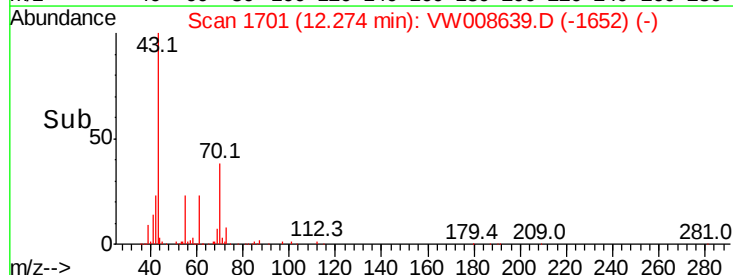
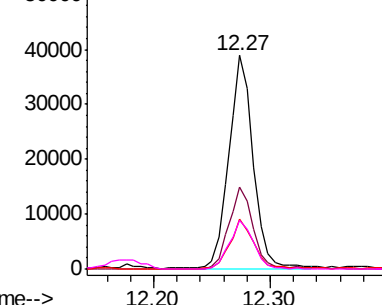


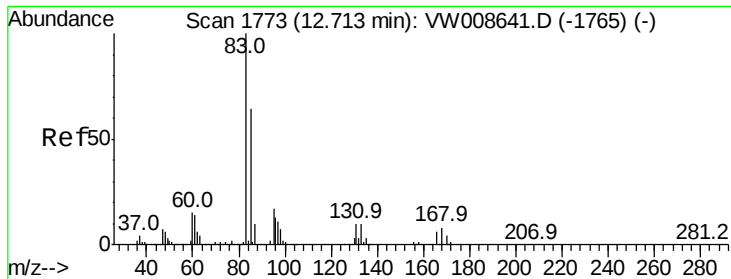
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 9.688 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

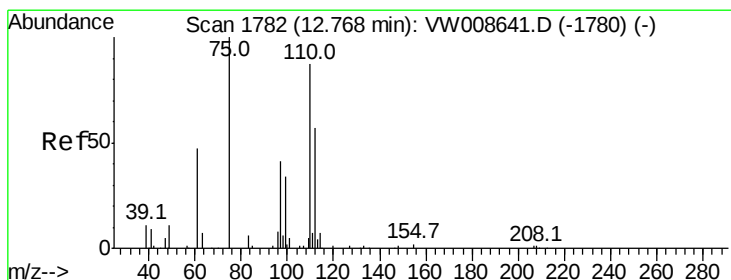
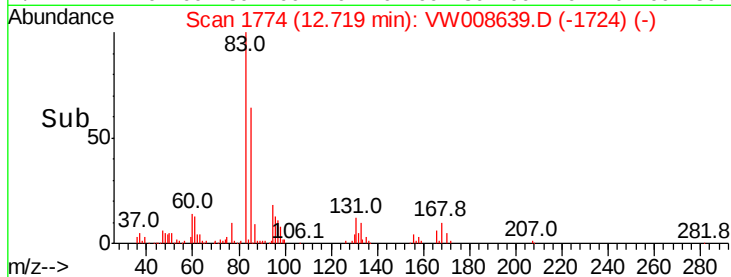
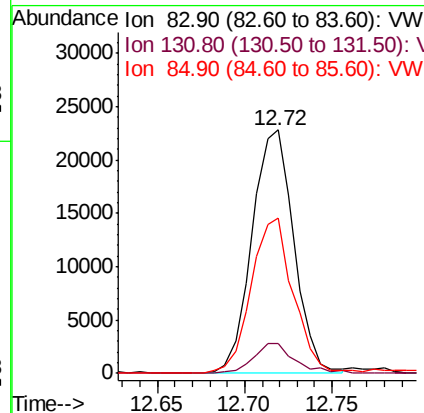
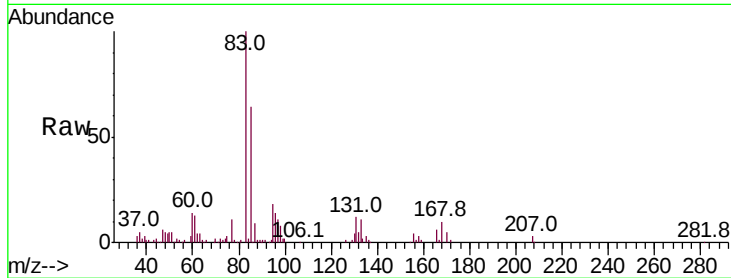
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	38010
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.5	16.7
85	63.7	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 7.515 ug/l m

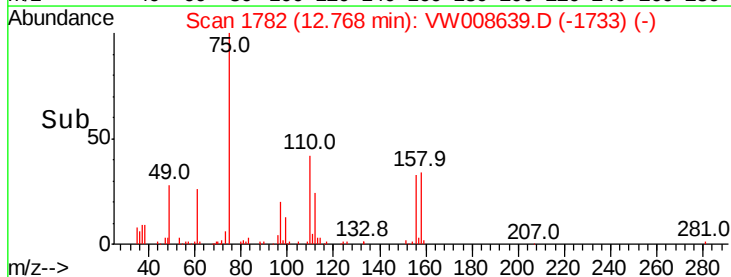
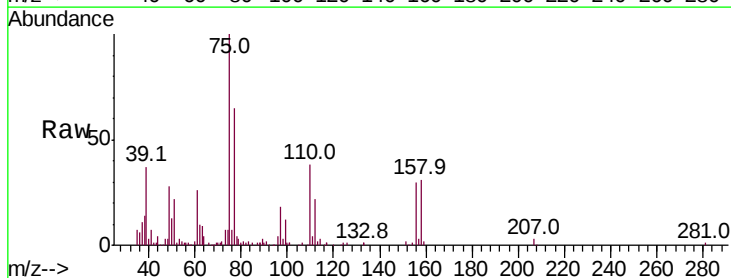
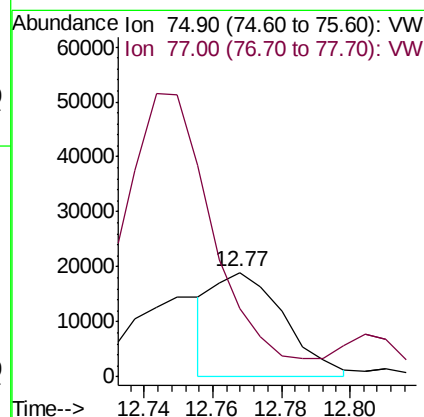
RT: 12.77 min Scan# 1782

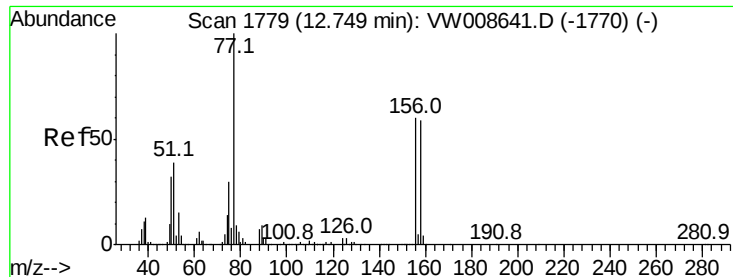
Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion:	75	Resp:	27154
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.238 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

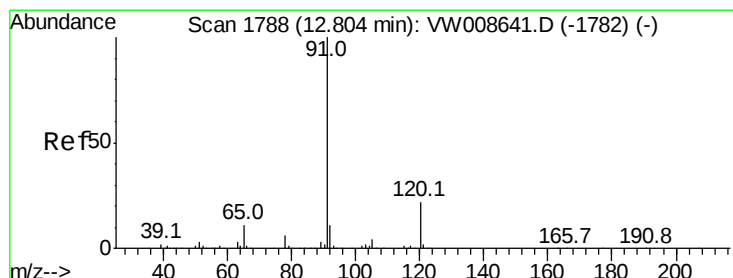
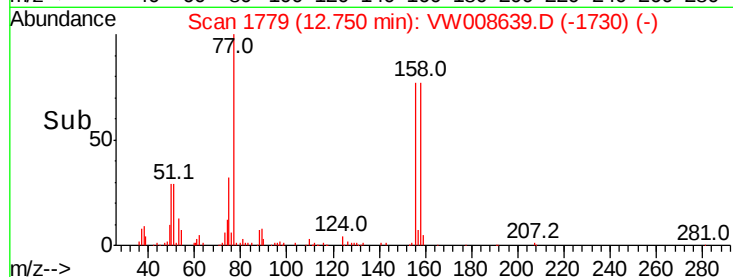
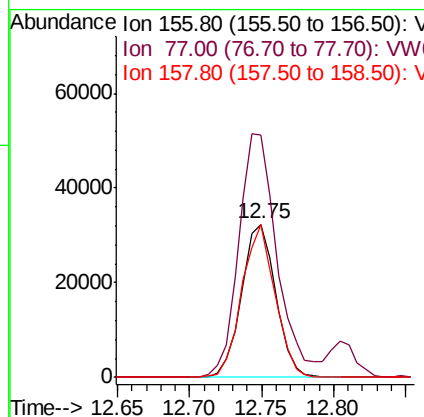
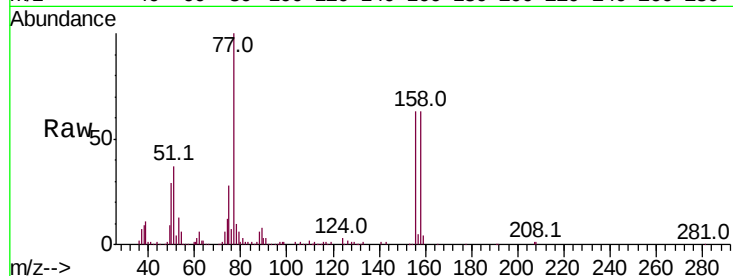
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	53066
Ion Ratio	Lower	Upper	
156	100		
77	177.9	93.2	279.5
158	96.7	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 10.248 ug/l

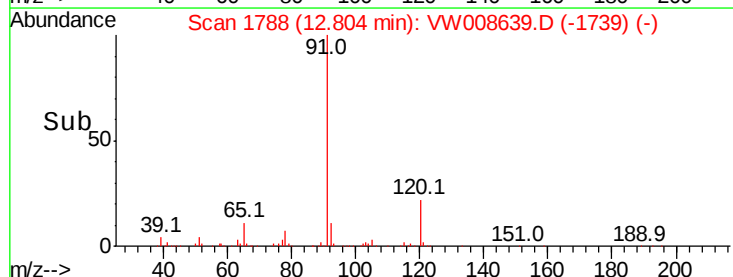
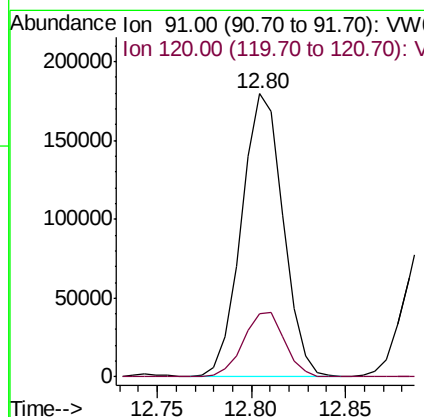
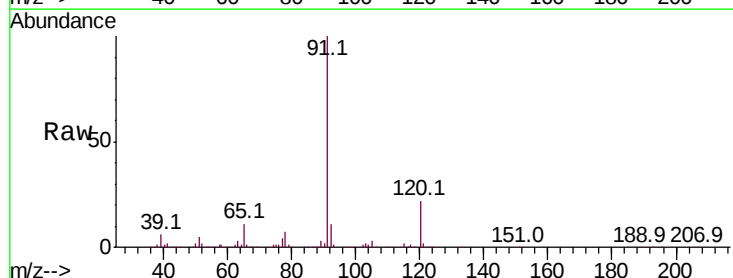
RT: 12.80 min Scan# 1788

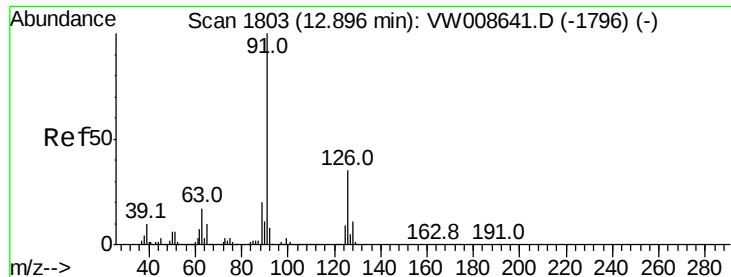
Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion:	91	Resp:	274578
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.4	34.2





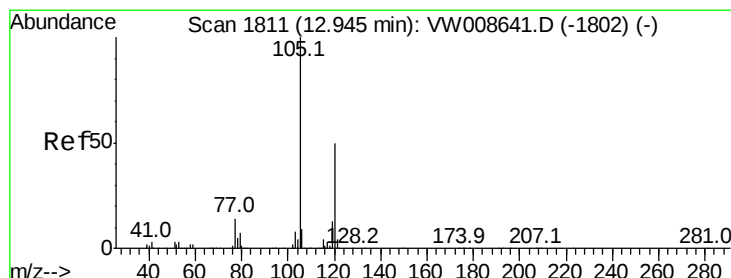
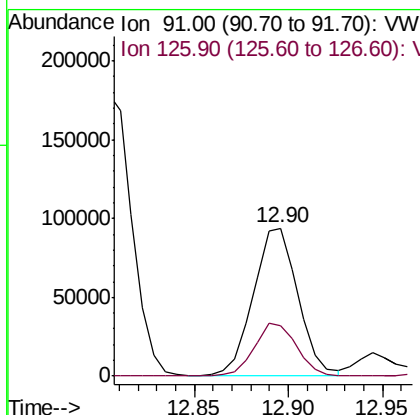
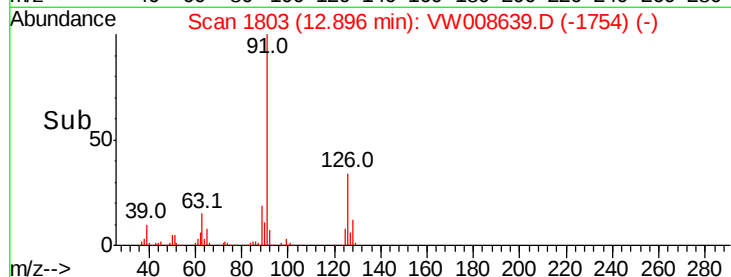
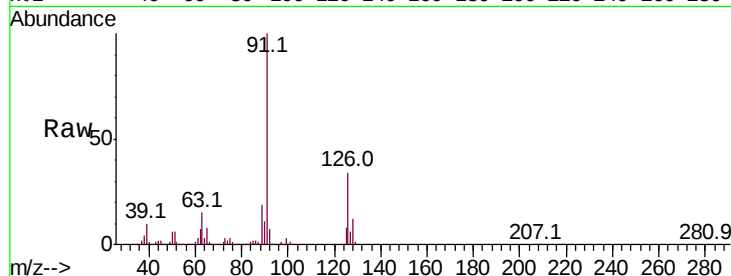
#79
2-Chlorotoluene
Concen: 10.174 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 154063
Ion Ratio Lower Upper
91 100
126 34.2 17.0 50.9

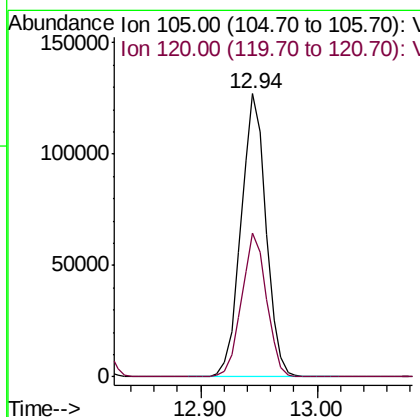
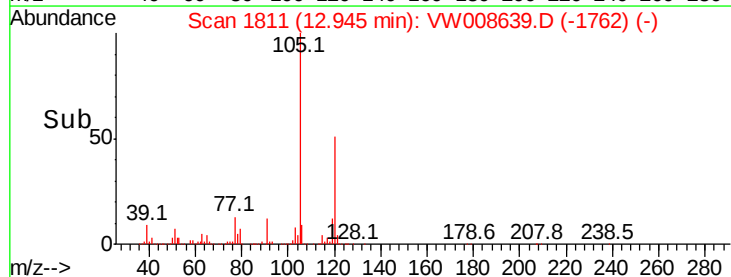
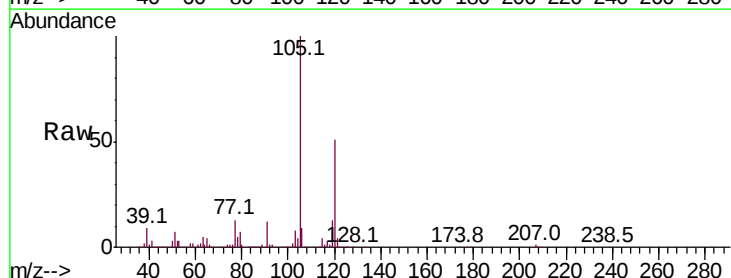
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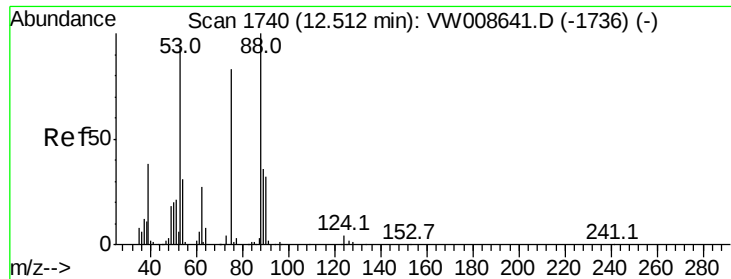
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#80
1,3,5-Trimethylbenzene
Concen: 10.191 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion: 105 Resp: 190870
Ion Ratio Lower Upper
105 100
120 50.7 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 9.214 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

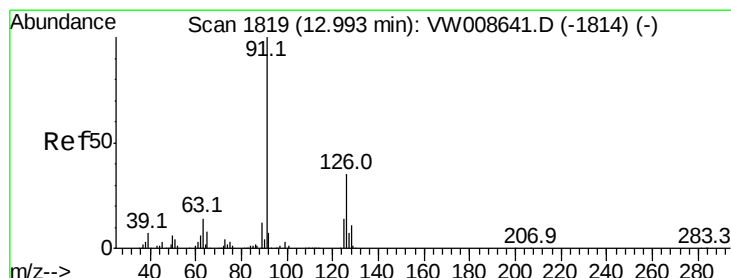
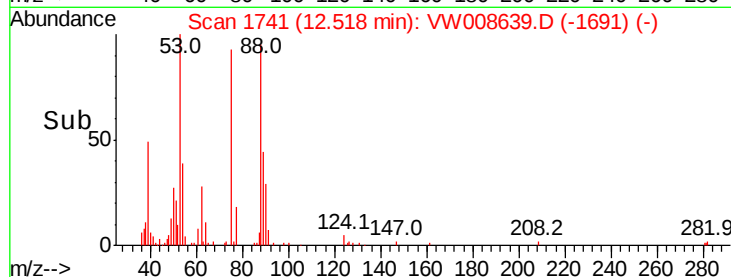
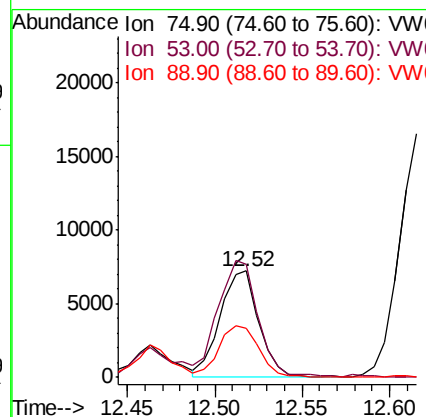
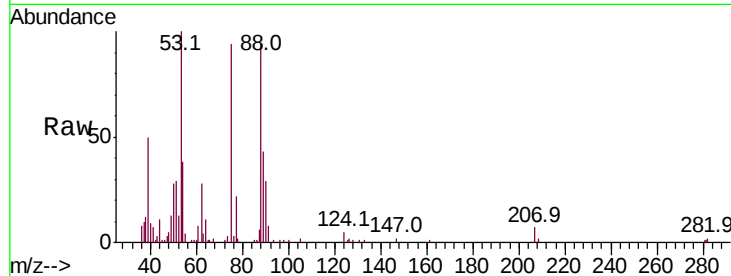
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	11268
Ion Ratio	Lower	Upper	
75	100		
53	113.3	87.4	131.0
89	49.7	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 9.928 ug/l

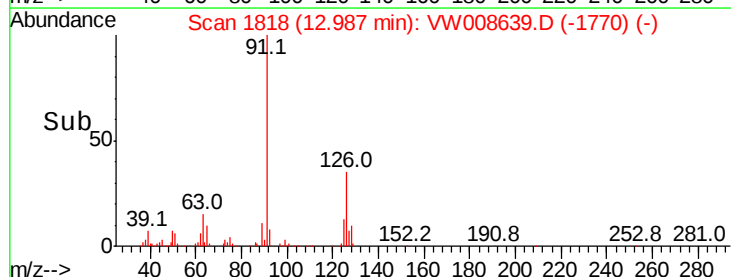
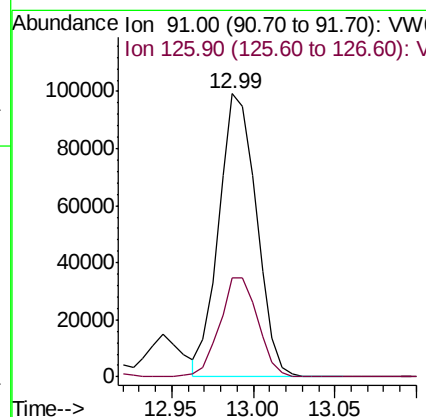
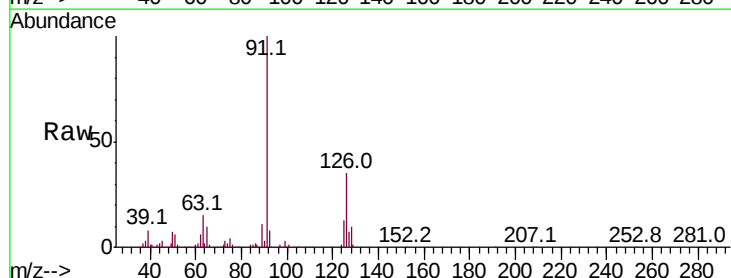
RT: 12.99 min Scan# 1818

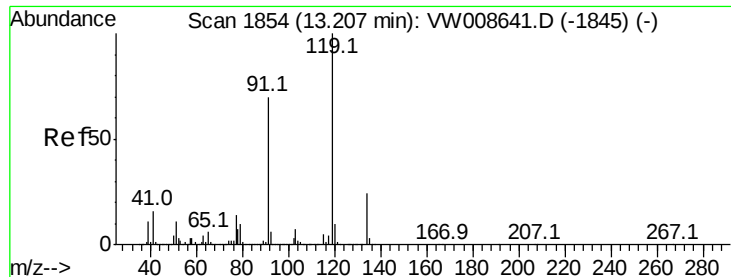
Delta R.T. -0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion:	91	Resp:	159321
Ion Ratio	Lower	Upper	
91	100		
126	35.7	16.9	50.7





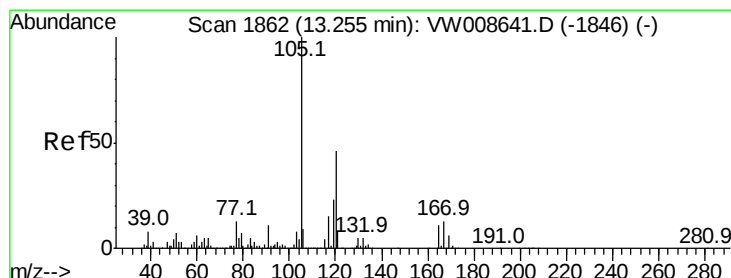
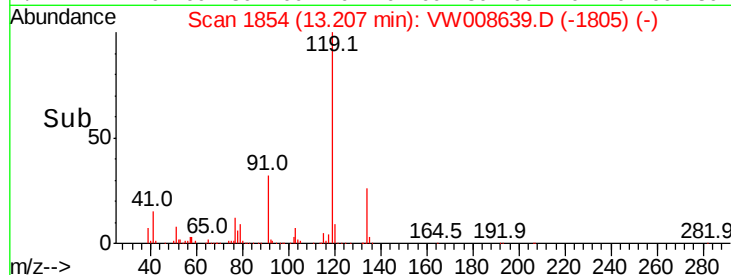
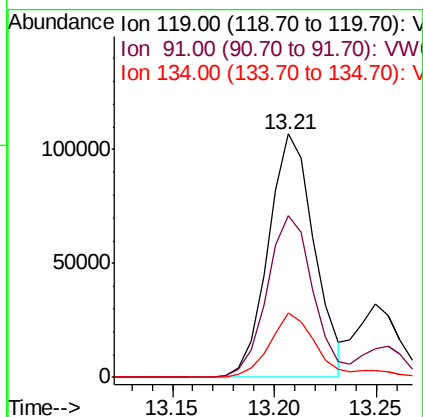
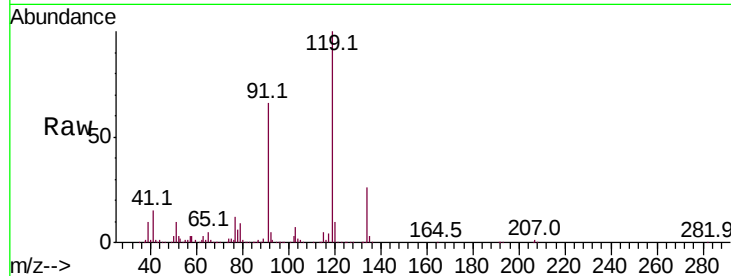
#83
tert-Butylbenzene
Concen: 10.337 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.0	102.0
134	28.0	13.6	40.8

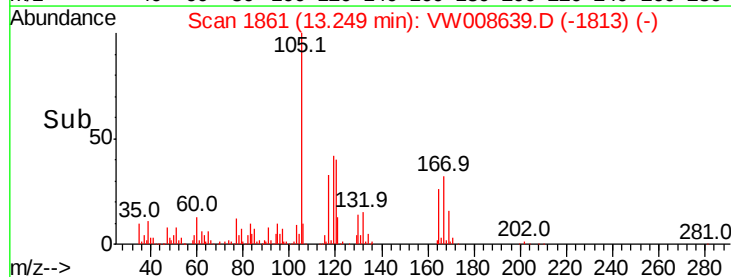
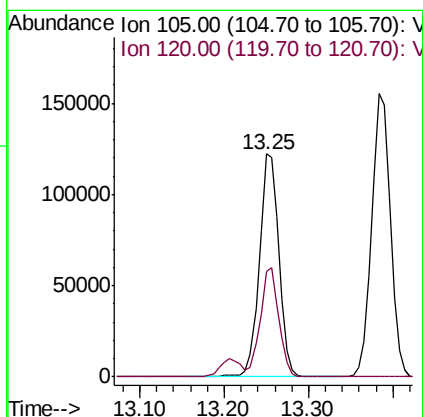
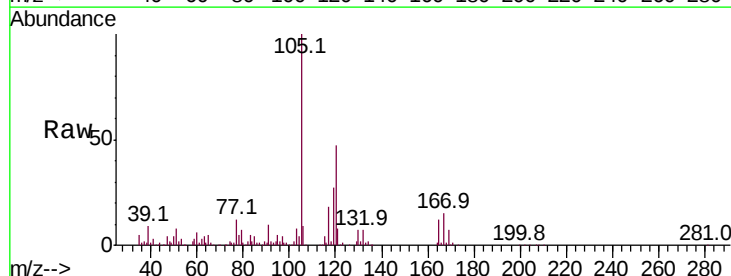
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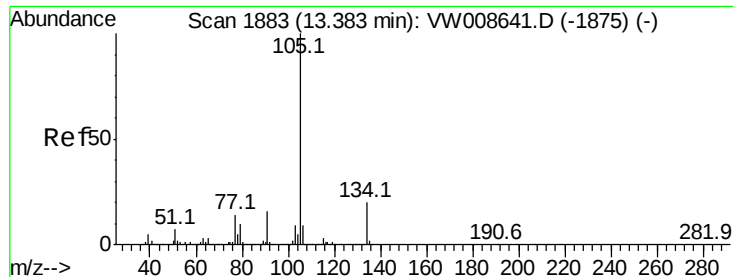
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#84
1,2,4-Trimethylbenzene
Concen: 10.113 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.8





#85

sec-Butylbenzene

Concen: 10.140 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 240117

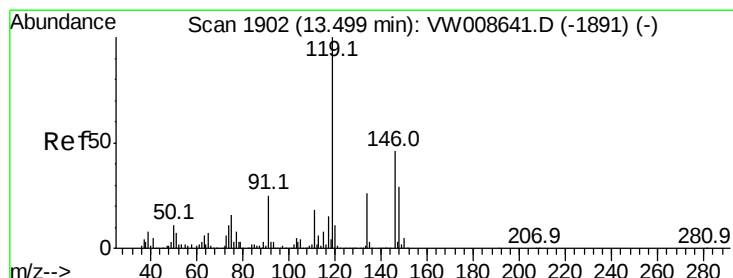
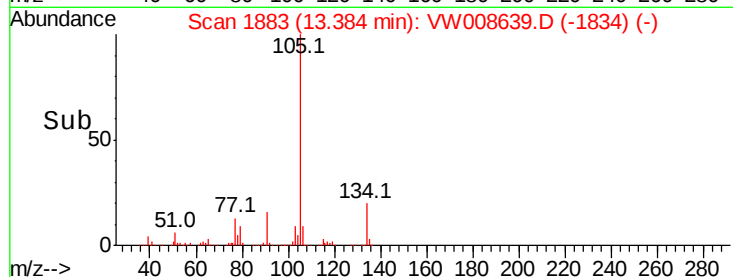
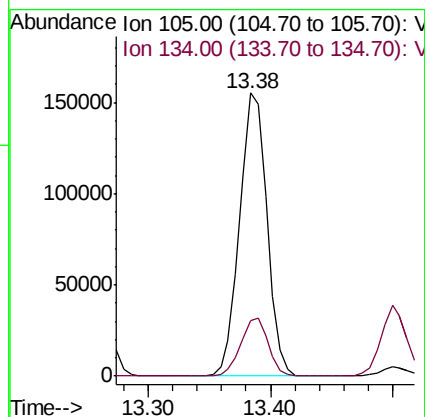
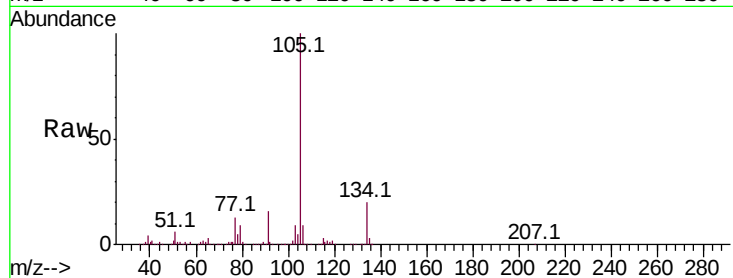
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 9.908 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

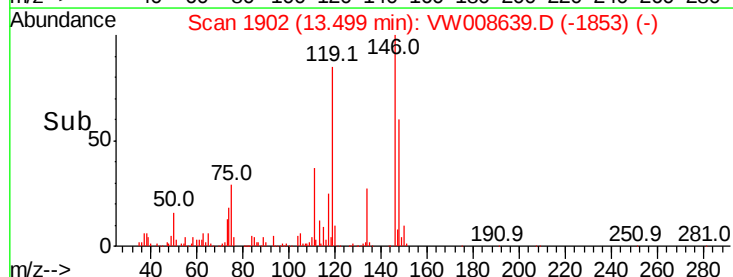
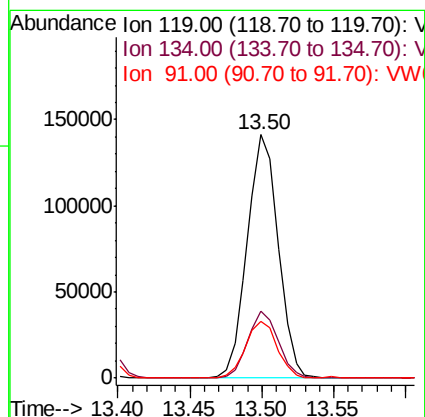
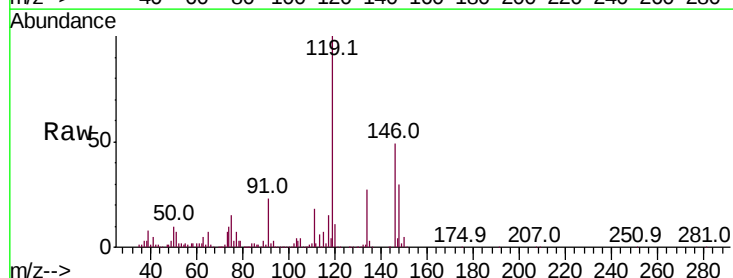
Tgt Ion:119 Resp: 209890

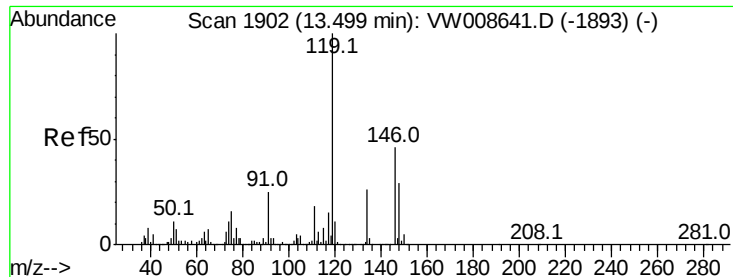
Ion Ratio Lower Upper

119 100

134 27.0 13.0 39.0

91 23.4 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 10.215 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

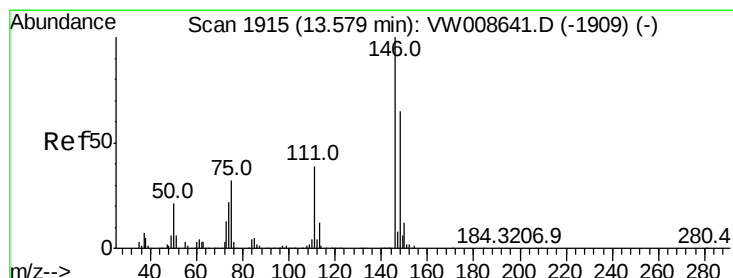
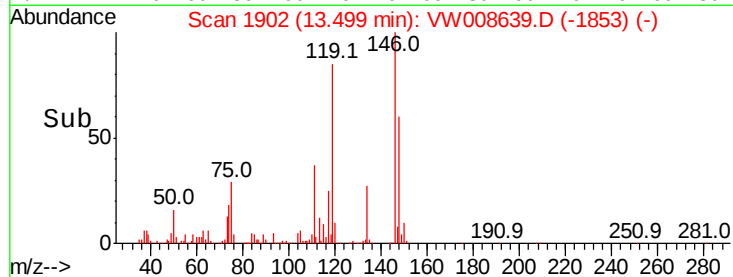
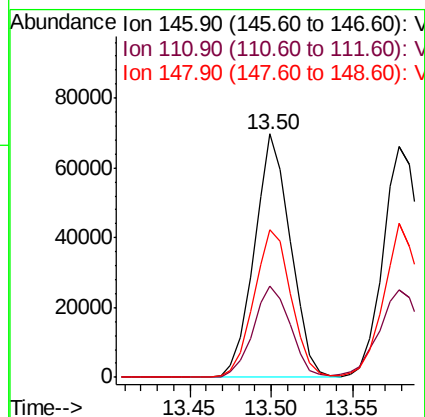
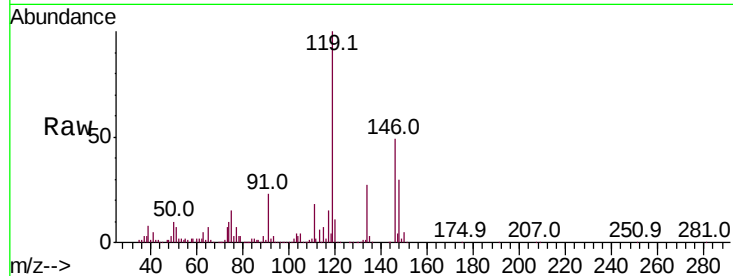
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	62.5	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.366 ug/l

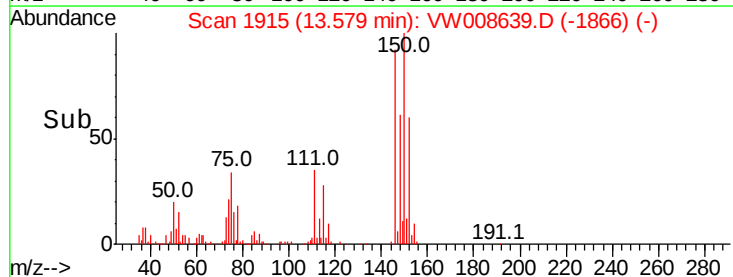
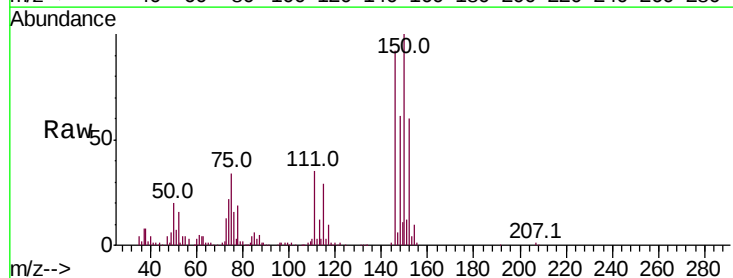
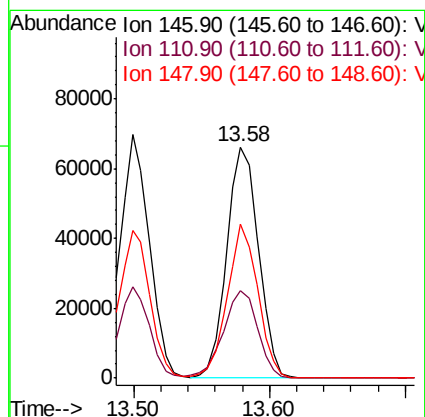
RT: 13.58 min Scan# 1915

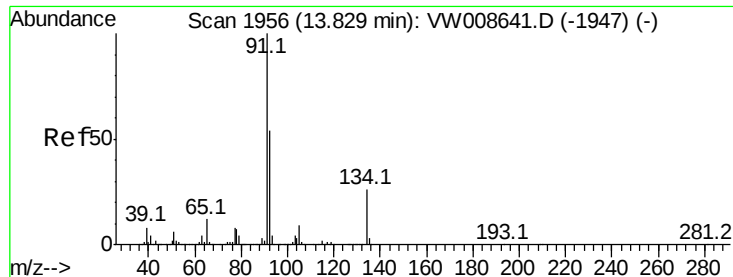
Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.4	58.1
148	64.4	31.8	95.4





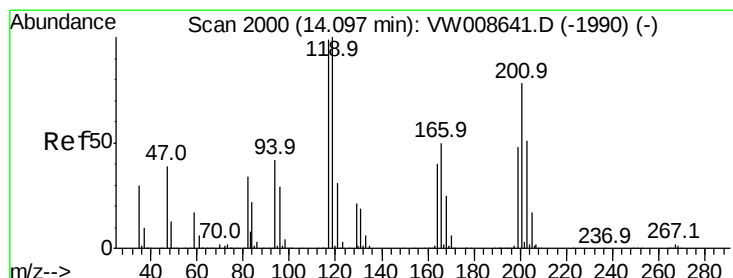
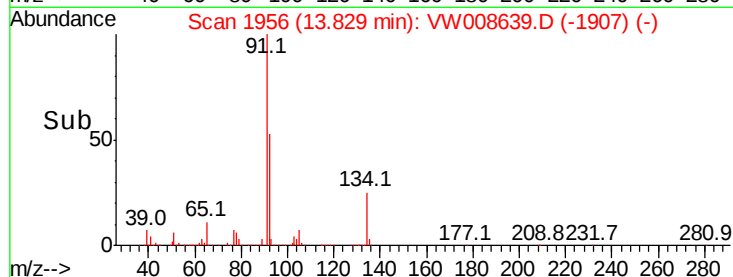
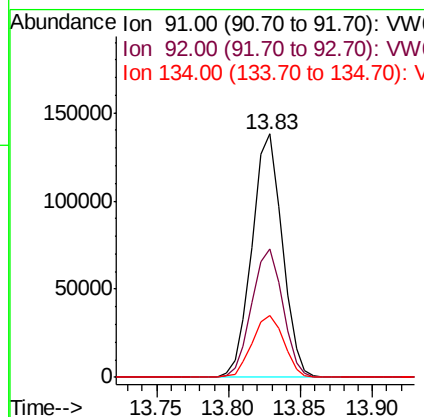
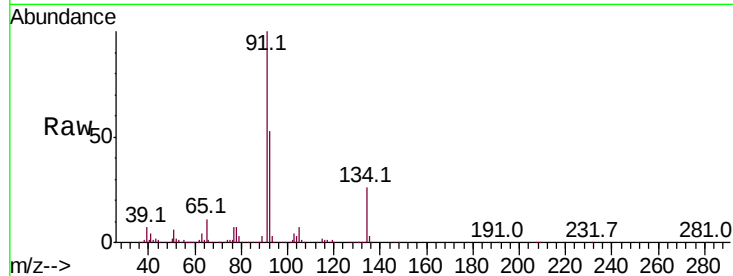
#89
n-Butylbenzene
Concen: 9.973 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.4
134	26.8	13.0	39.0

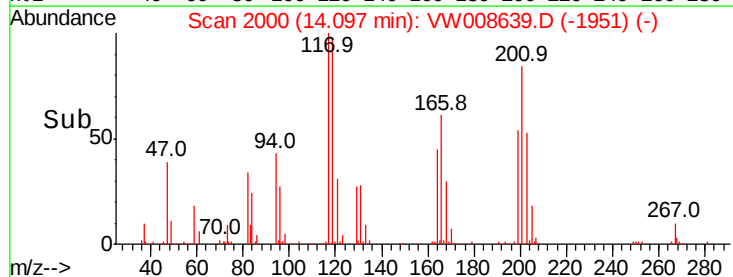
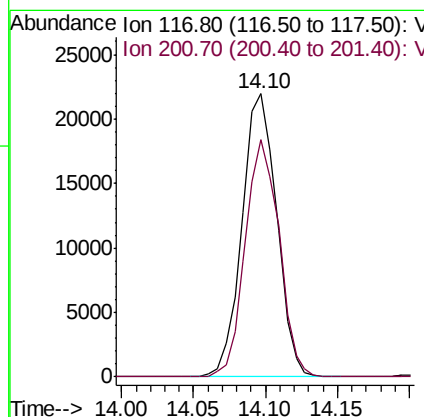
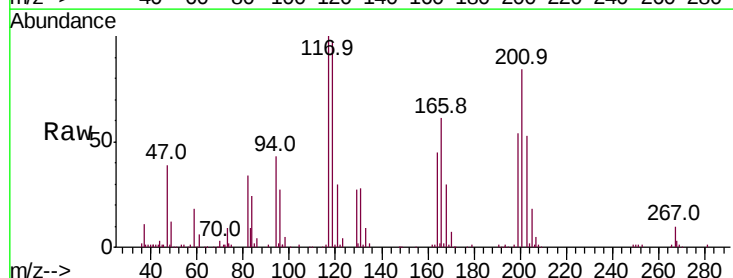
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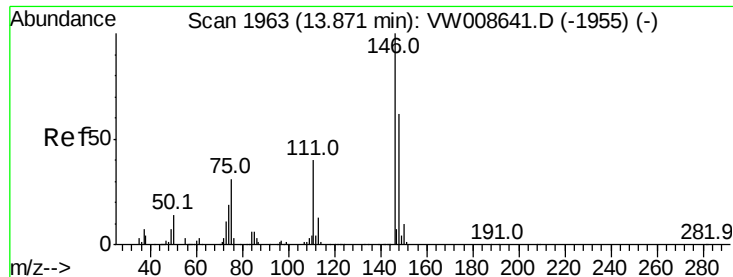
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#90
Hexachloroethane
Concen: 9.898 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	38.7	116.1





#91

1,2-Dichlorobenzene

Concen: 10.256 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

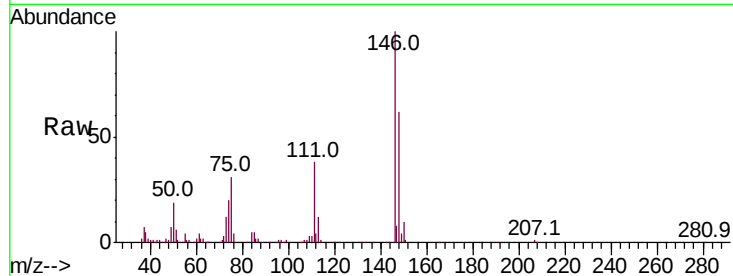
ClientSampleId :

VSTDIC010

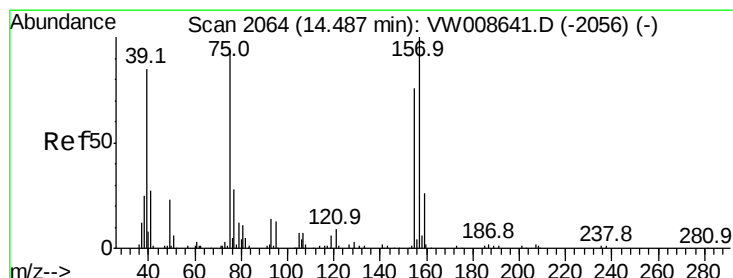
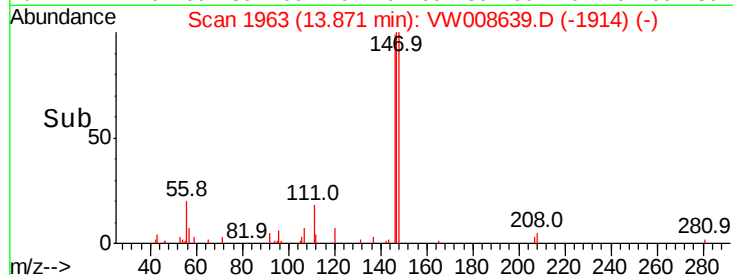
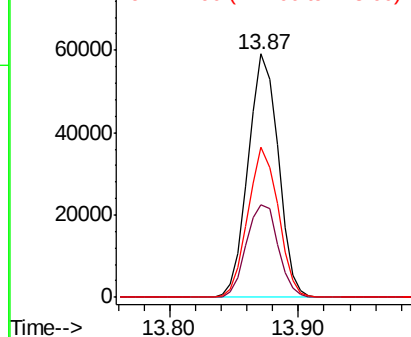
Tot Ion:	146	Resp:	95479
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.5	61.5
148	62.2	31.6	94.8

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.701 ug/l

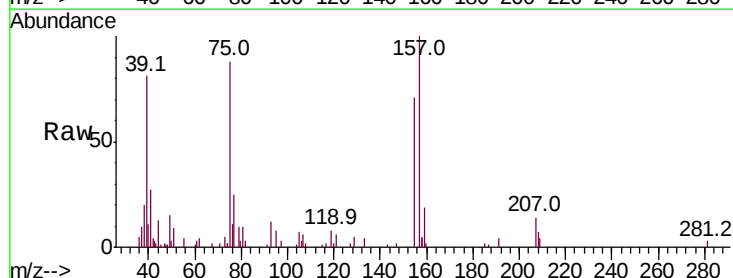
RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

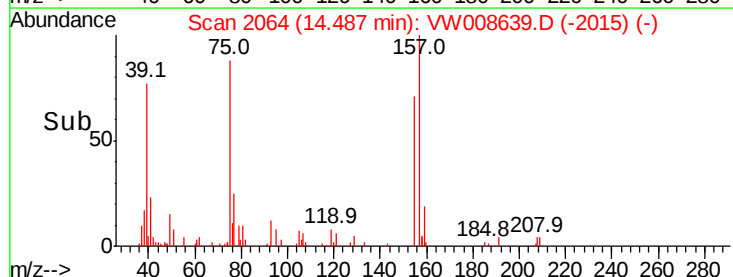
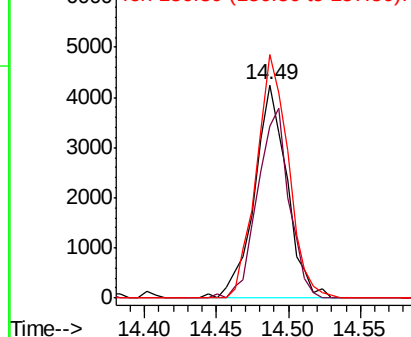
Lab File: VW008639.D

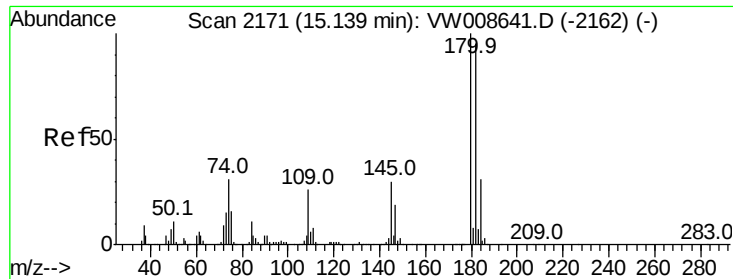
Acq: 13 Feb 2019 14:45

Tgt Ion:	75	Resp:	6614
Ion Ratio	Lower	Upper	
75	100		
155	86.3	41.8	125.4
157	112.9	53.8	161.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





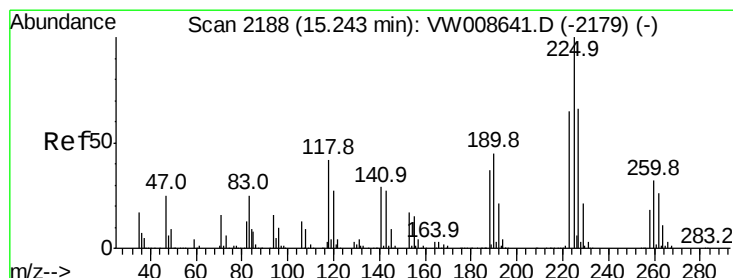
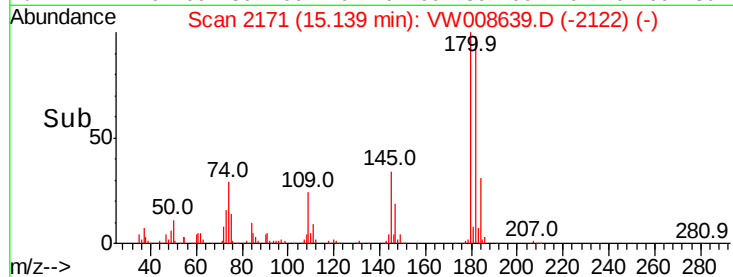
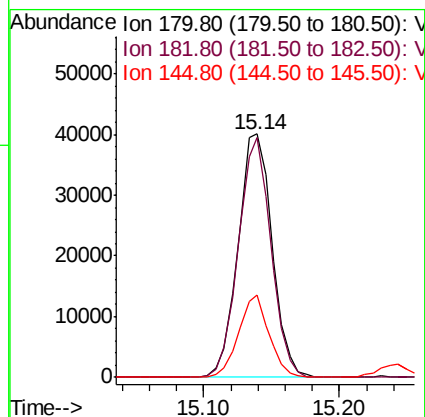
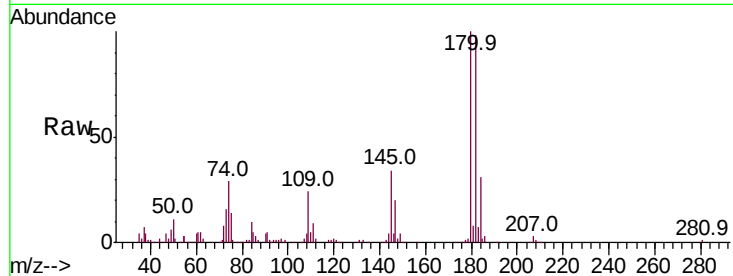
#93
 1,2,4-Trichlorobenzene
 Concen: 10.548 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	180	Resp:	69900
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.5	142.5
145	30.1	15.1	45.3

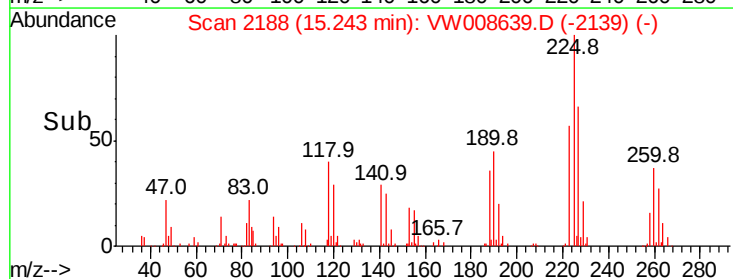
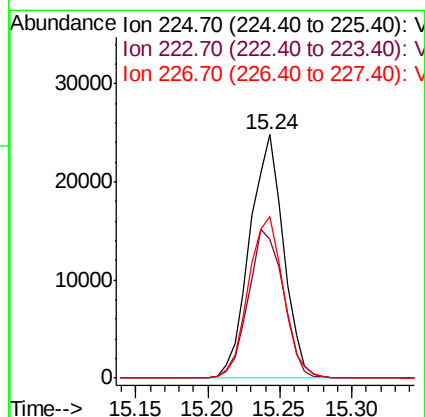
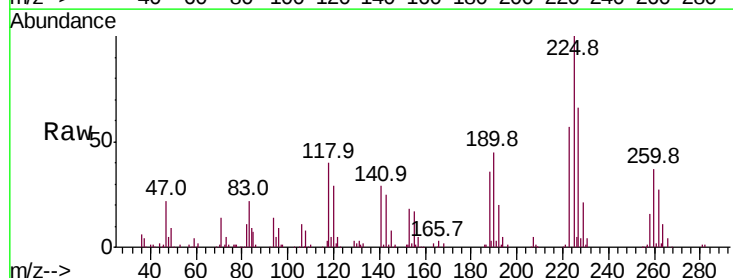
Manual Integrations
 APPROVED

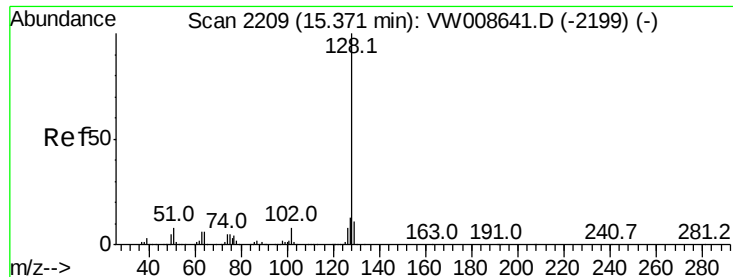
MMDadoda
 2/14/2019 2:08:49 PM



#94
 Hexachlorobutadiene
 Concen: 10.384 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion:	225	Resp:	40056
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.4	94.3
227	68.9	32.4	97.0





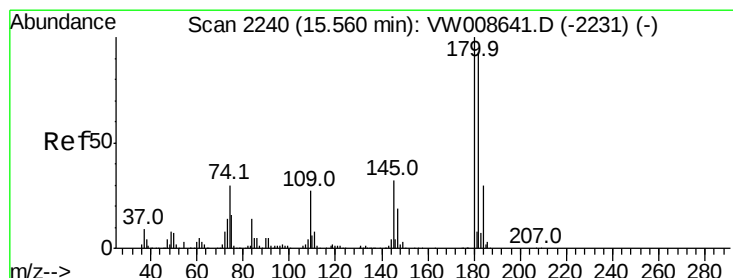
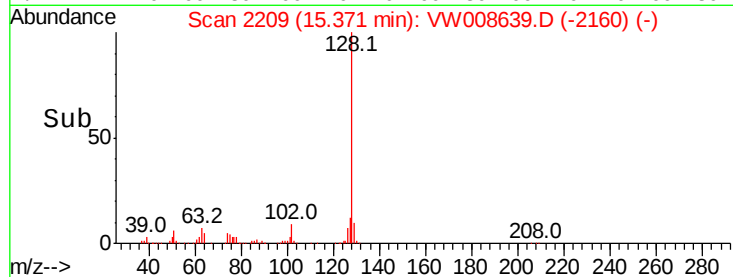
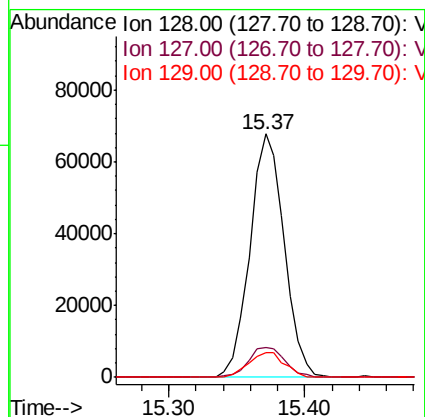
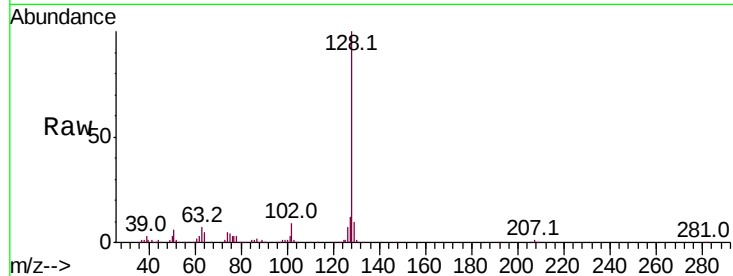
#95
Naphthalene
Concen: 10.065 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.5	10.9	16.3
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 2:08:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.305 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.5	47.5	142.5
145	32.2	15.9	47.7

