

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011868.D
 Acq On : 12 Aug 2019 23:53
 Operator : SY/VA
 Sample : VW0812SBSD03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD03

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:36:49 PM

Quant Time: Aug 13 09:37:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132657	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	
35) Dibromofluoromethane	7.88	113	105120	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
50) Toluene-d8	10.32	98	416687	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.62	95	146682	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25616	23.342	ug/l	97
3) Chloromethane	2.21	50	41460	21.787	ug/l	97
4) Vinyl Chloride	2.36	62	48117	21.002	ug/l	97
5) Bromomethane	2.76	94	25796	20.342	ug/l	100
6) Chloroethane	2.92	64	27391	20.930	ug/l	100
7) Trichlorofluoromethane	3.25	101	21953	21.441	ug/l	95
8) Diethyl Ether	3.68	74	26319	22.671	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42840	22.056	ug/l	97
10) Methyl Iodide	4.28	142	60148	21.913	ug/l	98
11) Tert butyl alcohol	5.17	59	16493	87.227	ug/l #	72
12) 1,1-Dichloroethene	4.04	96	42944	20.940	ug/l	97
13) Acrolein	3.90	56	11210	69.094	ug/l	97
14) Allyl chloride	4.67	41	94197	21.596	ug/l	98
15) Acrylonitrile	5.37	53	64973	112.117	ug/l	99
16) Acetone	4.12	43	58477	81.302	ug/l	99
17) Carbon Disulfide	4.39	76	128968	20.093	ug/l	98
18) Methyl Acetate	4.67	43	41512	25.691	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	74657	22.941	ug/l	98
20) Methylene Chloride	4.92	84	56301	22.697	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	48188	21.795	ug/l	98
22) Diisopropyl ether	6.31	45	189992	23.103	ug/l	96
23) Vinyl Acetate	6.26	43	546823	105.823	ug/l	100
24) 1,1-Dichloroethane	6.21	63	99447	22.580	ug/l	99
25) 2-Butanone	7.17	43	90662	96.329	ug/l	98
26) 2,2-Dichloropropane	7.17	77	50849	18.773	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	52803	21.700	ug/l	99
28) Bromochloromethane	7.51	49	47366	24.229	ug/l #	98
29) Tetrahydrofuran	7.53	42	59993	111.515	ug/l	99
30) Chloroform	7.68	83	93233	22.945	ug/l	99
31) Cyclohexane	7.96	56	88385	20.906	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	70360	22.737	ug/l	99
36) 1,1-Dichloropropene	8.08	75	71803	20.348	ug/l	99
37) Ethyl Acetate	7.25	43	41652	20.516	ug/l	98
38) Carbon Tetrachloride	8.07	117	62018	20.530	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	77491	19.943	ug/l	99
40) Benzene	8.32	78	208795	21.124	ug/l	98
41) Methacrylonitrile	7.48	41	23749	19.569	ug/l	93
42) 1,2-Dichloroethane	8.40	62	67984	21.968	ug/l	100
43) Isopropyl Acetate	8.43	43	76782	20.565	ug/l	97
44) Trichloroethene	9.09	130	49493	20.833	ug/l	99
45) 1,2-Dichloropropane	9.37	63	57103	21.591	ug/l	98
46) Dibromomethane	9.46	93	25892	21.450	ug/l	99
47) Bromodichloromethane	9.65	83	67569	21.340	ug/l	98
48) Methyl methacrylate	9.43	41	37488	20.902	ug/l	99
49) 1,4-Dioxane	9.45	88	7655	437.980	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	202142	104.085	ug/l	99
52) Toluene	10.38	92	124059	20.784	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	67263	20.336	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	80812	20.548	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	36508	21.316	ug/l	99
56) Ethyl methacrylate	10.65	69	51166	20.416	ug/l	97
57) 1,3-Dichloropropane	10.93	76	68443	21.123	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	129615	113.905	ug/l	99
59) 2-Hexanone	10.97	43	132602	96.703	ug/l	99
60) Dibromochloromethane	11.13	129	39976	21.028	ug/l	100
61) 1,2-Dibromoethane	11.24	107	32895	20.296	ug/l	97
64) Tetrachloroethene	10.86	164	41310	21.272	ug/l	96
65) Chlorobenzene	11.66	112	126225	21.050	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	45119	21.601	ug/l	98
67) Ethyl Benzene	11.73	91	239243	20.948	ug/l	100
68) m/p-Xylenes	11.84	106	174230	41.949	ug/l	100
69) o-Xylene	12.16	106	80234	20.788	ug/l	98
70) Styrene	12.18	104	141064	21.139	ug/l	99
71) Bromoform	12.35	173	22032	20.688	ug/l #	96
73) Isopropylbenzene	12.46	105	220736	20.712	ug/l	99
74) N-amyl acetate	12.27	43	66323	19.878	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	43833	21.866	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	30442m	20.139	ug/l	
77) Bromobenzene	12.75	156	49904	21.185	ug/l	100
78) n-propylbenzene	12.80	91	269956	20.814	ug/l	100
79) 2-Chlorotoluene	12.89	91	159091	21.292	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	190562	21.331	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12771	19.472	ug/l	93
82) 4-Chlorotoluene	12.99	91	163475	20.852	ug/l	99
83) tert-Butylbenzene	13.21	119	159084	21.295	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	188826	20.983	ug/l	99
85) sec-Butylbenzene	13.38	105	221280	20.759	ug/l	100
86) p-Isopropyltoluene	13.50	119	198863	20.562	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	96198	20.828	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	93886	20.434	ug/l	98
89) n-Butylbenzene	13.82	91	190055	19.691	ug/l	99
90) Hexachloroethane	14.09	117	35401	20.700	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	84744	20.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6861	20.071	ug/l	98

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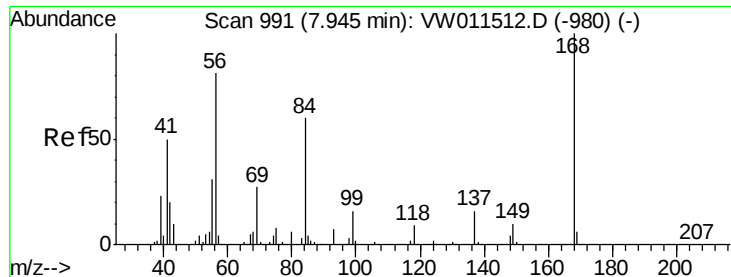
Manual Integrations
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QLast Update : Sat Jul 27 00:23:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	54483	18.924	ug/l	98
94) Hexachlorobutadiene	15.24	225	34827	19.398	ug/l	96
95) Naphthalene	15.36	128	95300	18.266	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	47446	18.801	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: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion:168 Resp: 196914

Ion Ratio Lower Upper

168 100

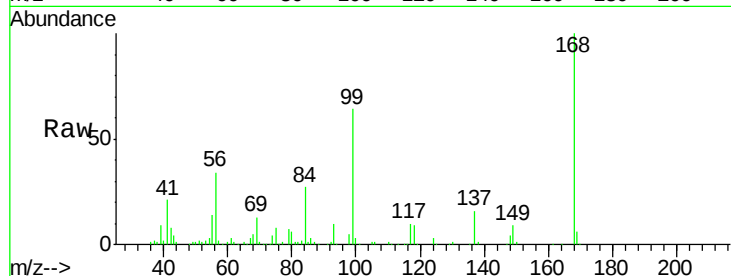
99 63.5 48.2 72.4

Manual Integrations

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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

100000

80000

60000

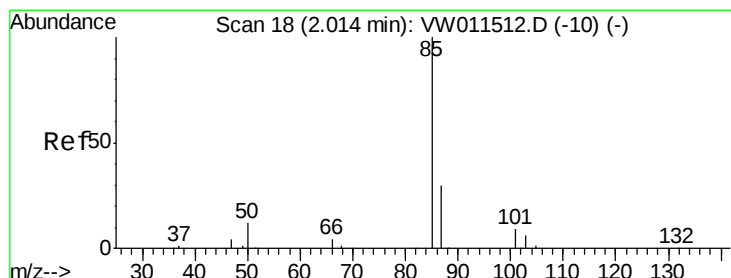
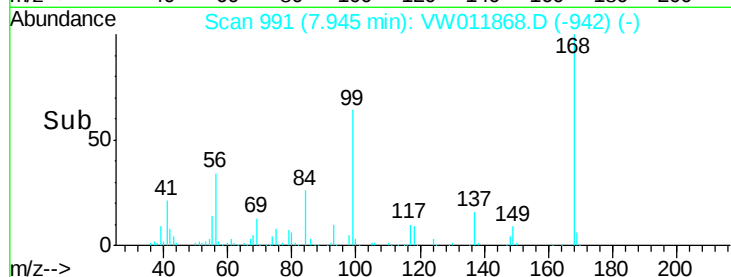
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.342 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011868.D

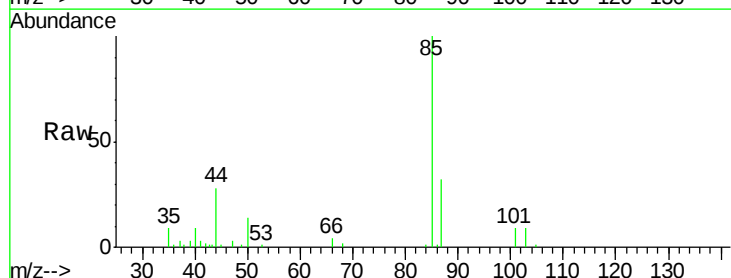
Acq: 12 Aug 2019 23:53

Tgt Ion: 85 Resp: 25616

Ion Ratio Lower Upper

85 100

87 32.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

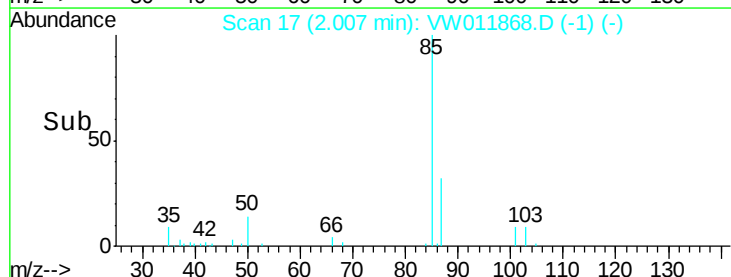
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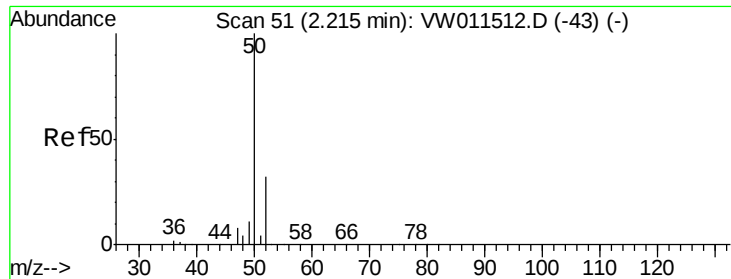
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.787 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion: 50 Resp: 41460

Ion Ratio Lower Upper

50 100

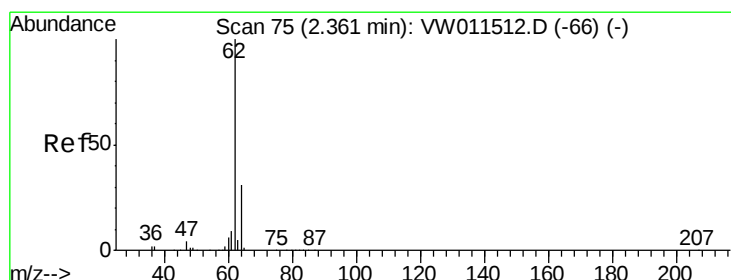
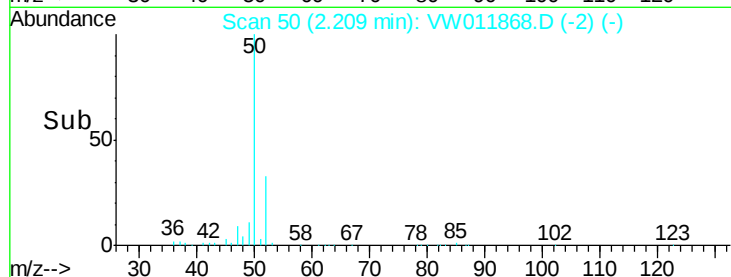
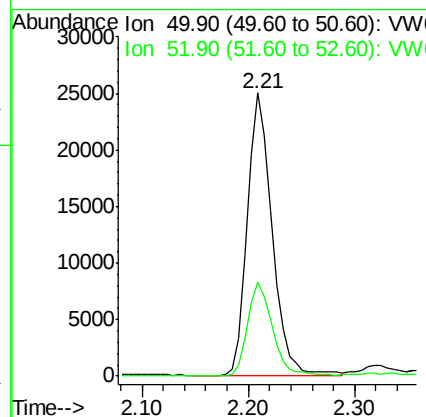
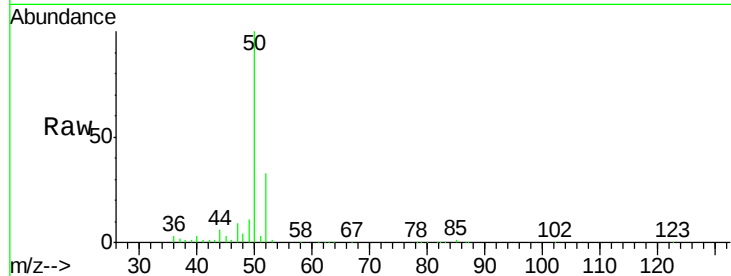
52 33.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.002 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011868.D

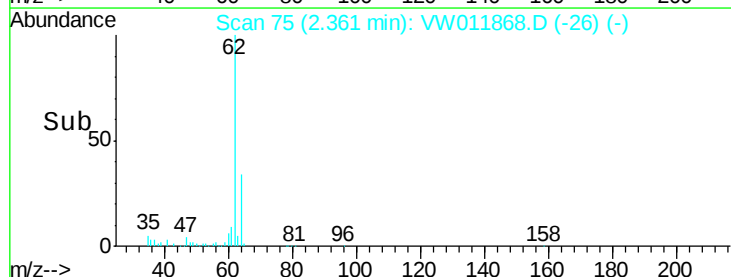
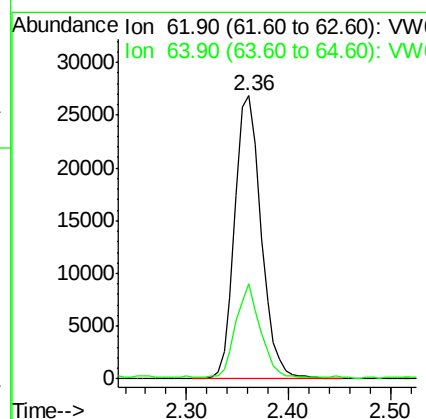
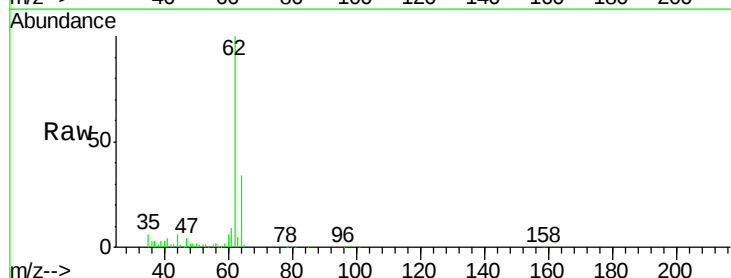
Acq: 12 Aug 2019 23:53

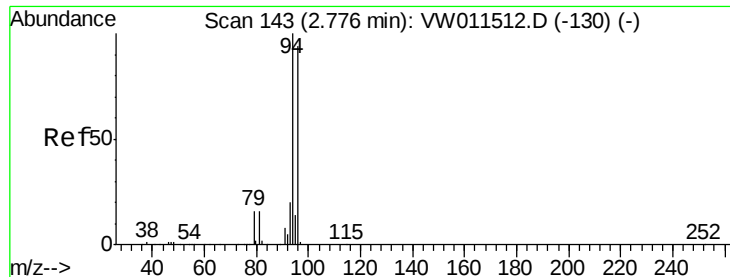
Tgt Ion: 62 Resp: 48117

Ion Ratio Lower Upper

62 100

64 33.1 25.0 37.4





#5

Bromomethane

Concen: 20.342 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion: 94 Resp: 25796

Ion Ratio Lower Upper

94 100

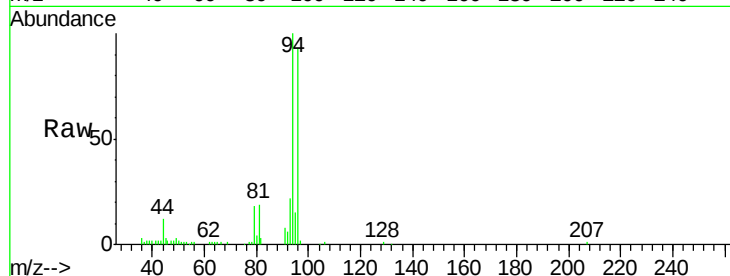
96 93.4 75.0 112.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

12000

10000

8000

6000

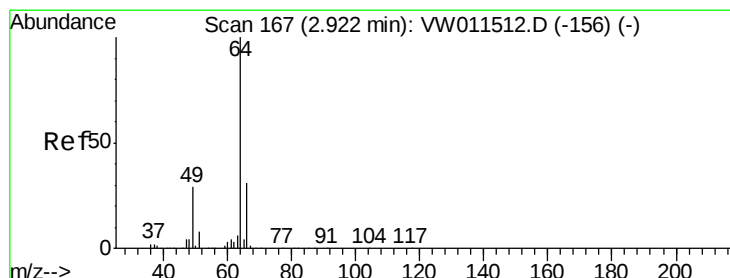
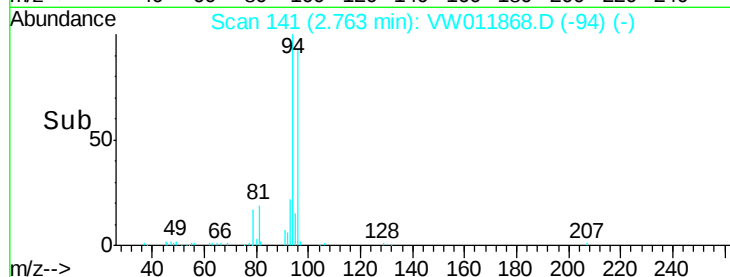
4000

2000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 20.930 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011868.D

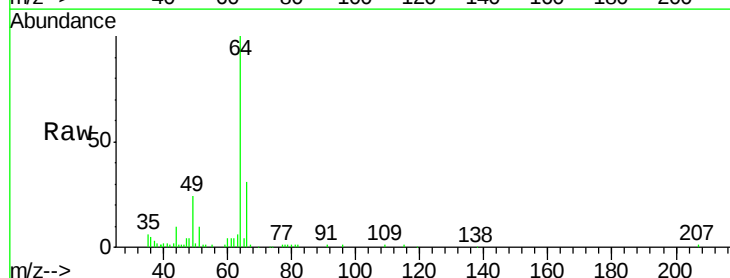
Acq: 12 Aug 2019 23:53

Tgt Ion: 64 Resp: 27391

Ion Ratio Lower Upper

64 100

66 30.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

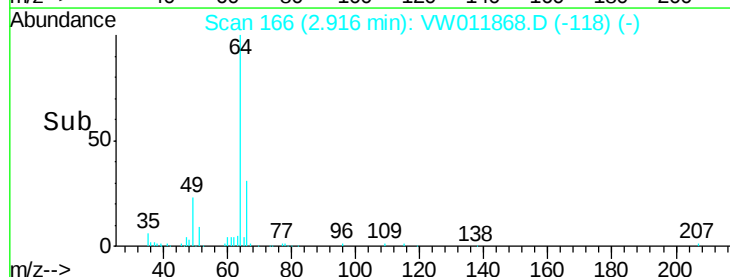
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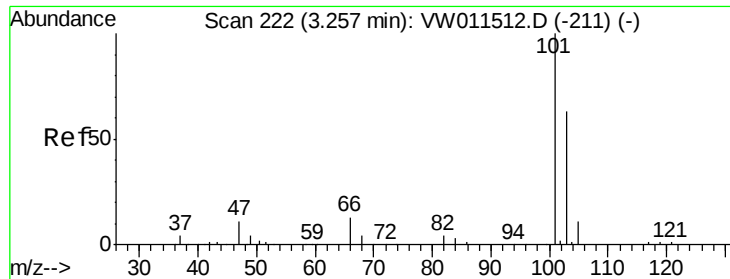
5000

0

2.80 2.90 3.00

Time-->





#7

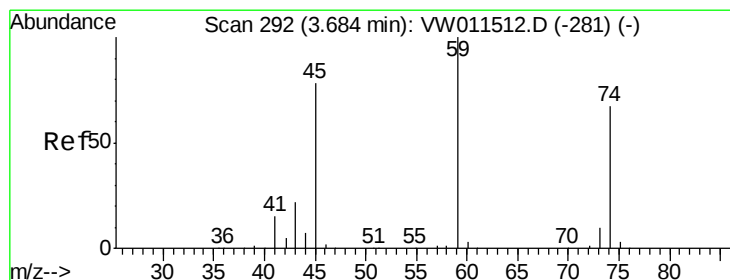
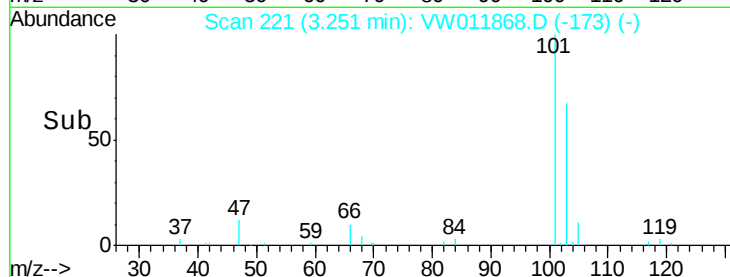
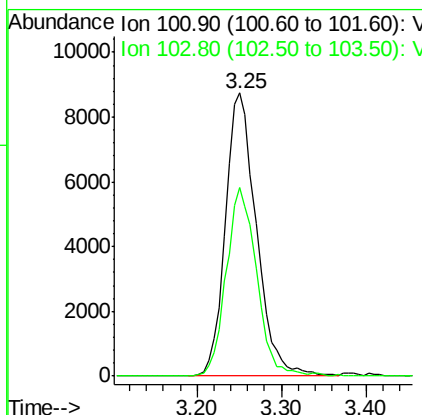
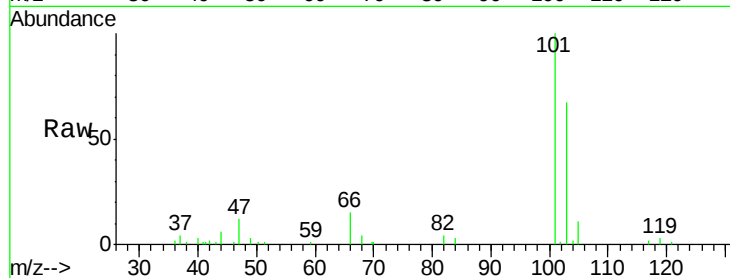
Trichlorofluoromethane
 Concen: 21.441 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Instrument :
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 ClientSampleId :
 VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	50.2	75.4

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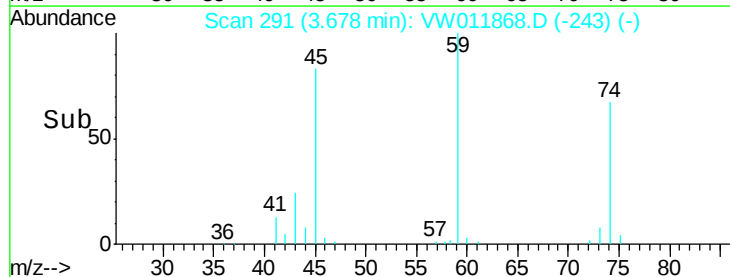
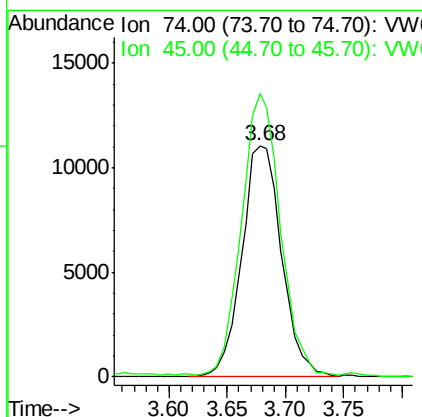
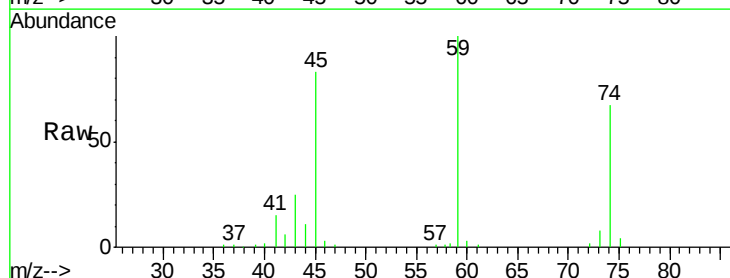
MMDadoda
 8/13/2019 2:36:49 PM

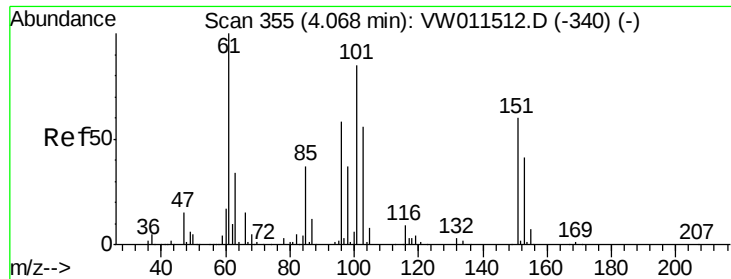


#8

Diethyl Ether
 Concen: 22.671 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.4	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.056 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

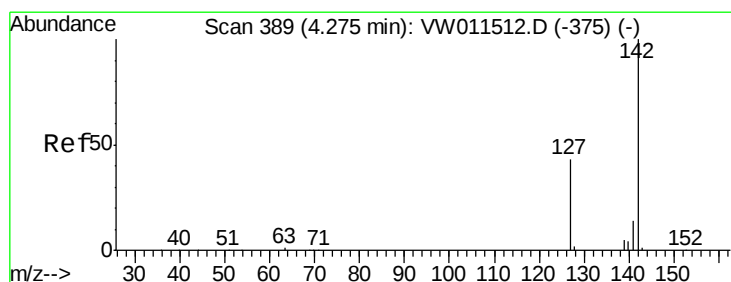
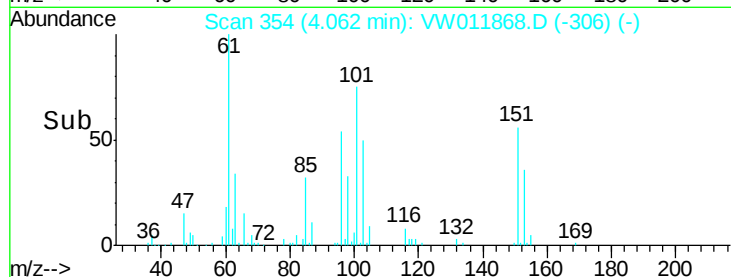
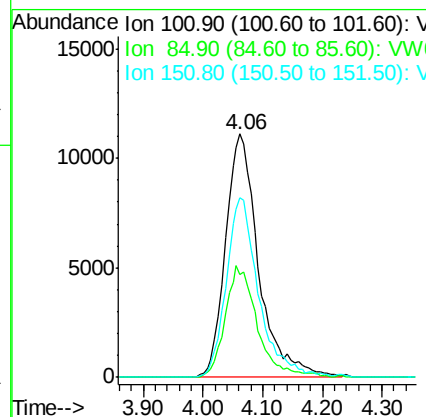
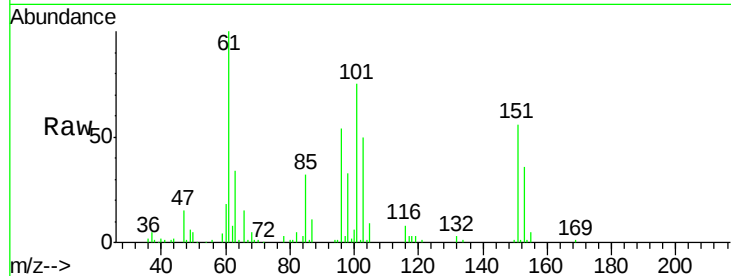
ClientSampleId :

VW0812SBSD03

Tot Ion:	101	Resp:	42840
Ion Ratio	Lower	Upper	
101	100		
85	43.6	36.6	54.8
151	72.5	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.913 ug/l

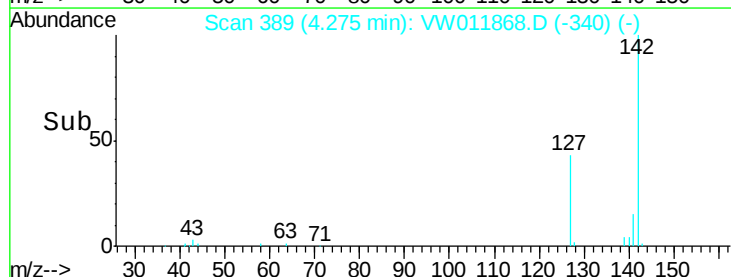
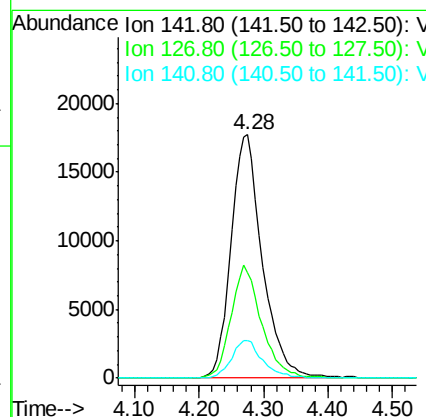
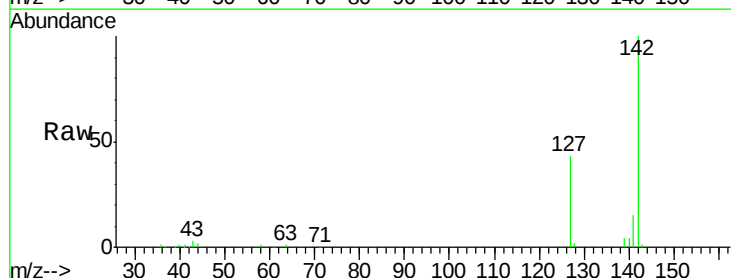
RT: 4.28 min Scan# 389

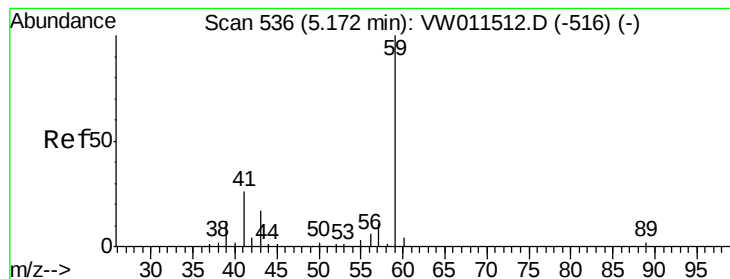
Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion:	142	Resp:	60148
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.0	52.6
141	15.3	11.9	17.9





#11

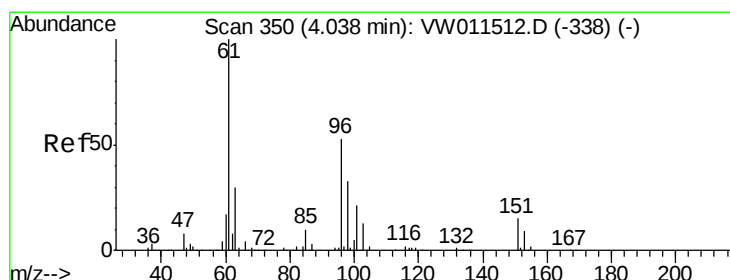
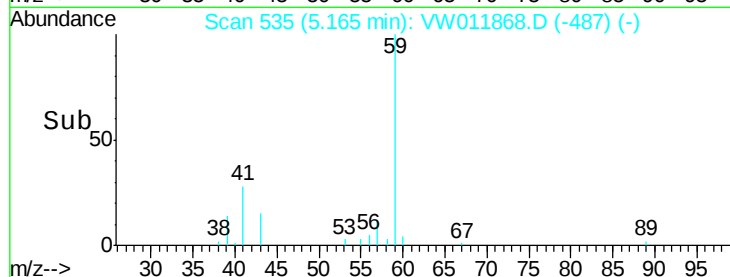
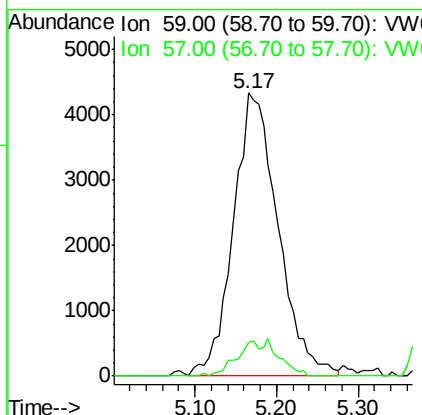
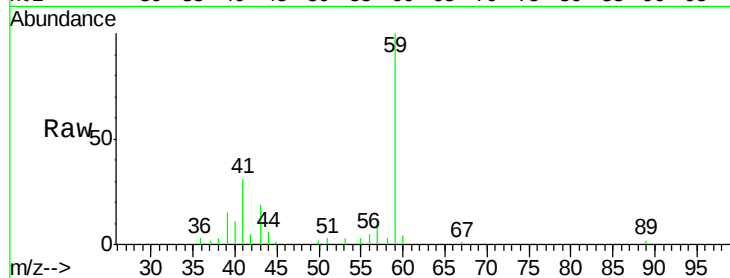
Tert butyl alcohol
Concen: 87.227 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

Manual Integrations
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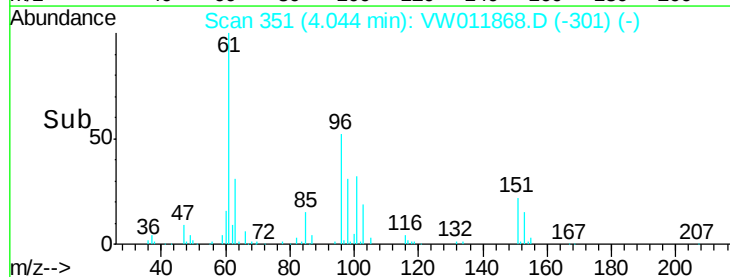
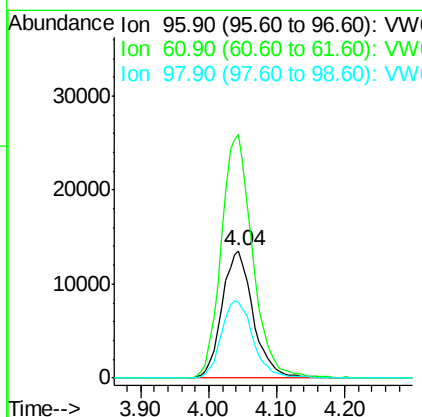
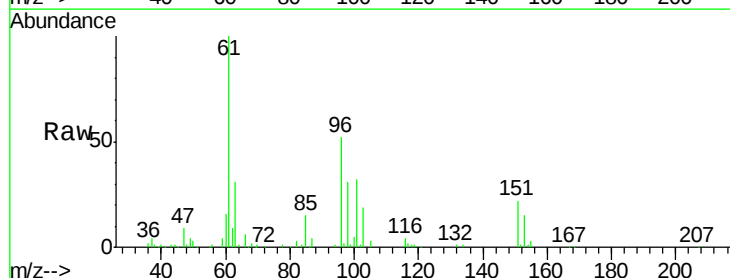
MMDadoda
8/13/2019 2:36:49 PM

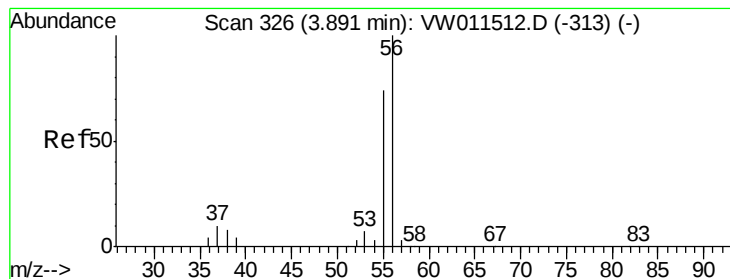


#12

1,1-Dichloroethene
Concen: 20.940 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.0	149.9	224.9
98	59.3	49.1	73.7





#13

Acrolein

Concen: 69.094 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion: 56 Resp: 11210

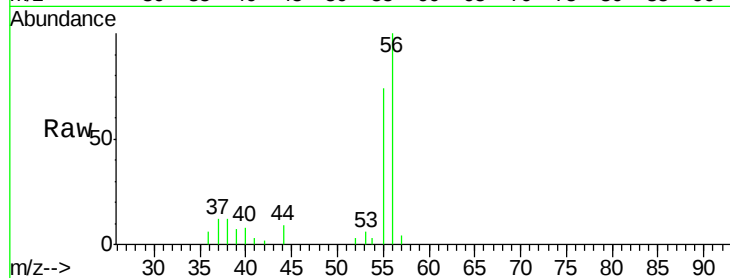
Ion Ratio Lower Upper

56 100

55 72.5 56.0 84.0

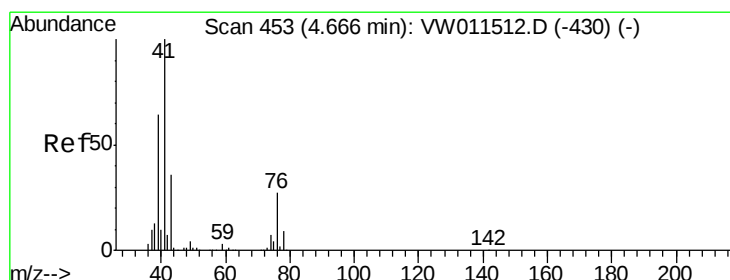
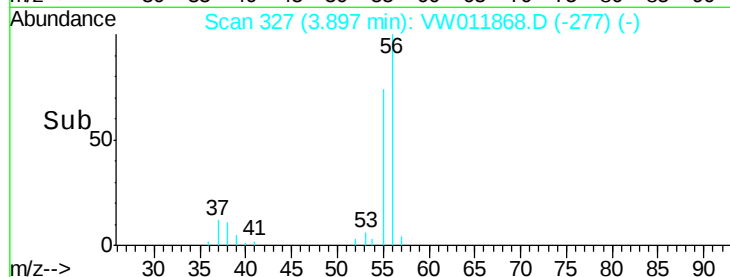
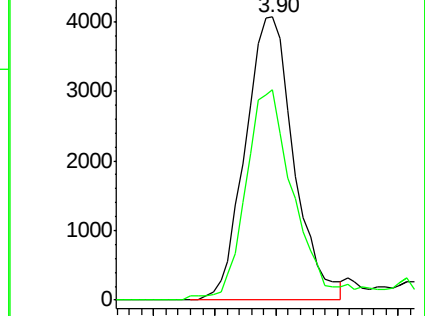
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.596 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

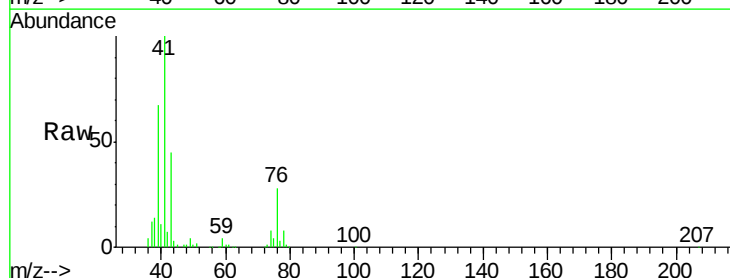
Tgt Ion: 41 Resp: 94197

Ion Ratio Lower Upper

41 100

39 67.8 52.6 78.8

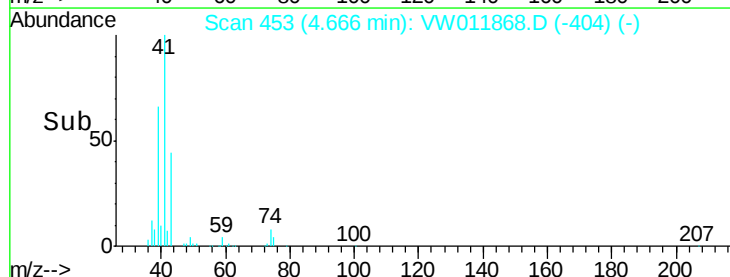
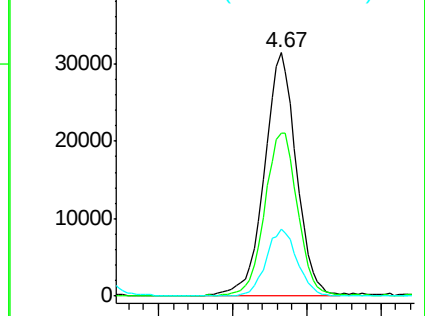
76 26.8 22.0 33.0

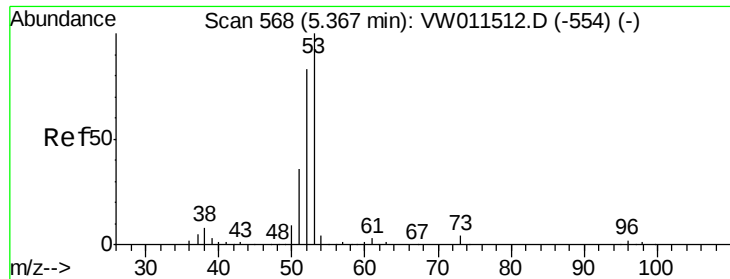


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 112.117 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

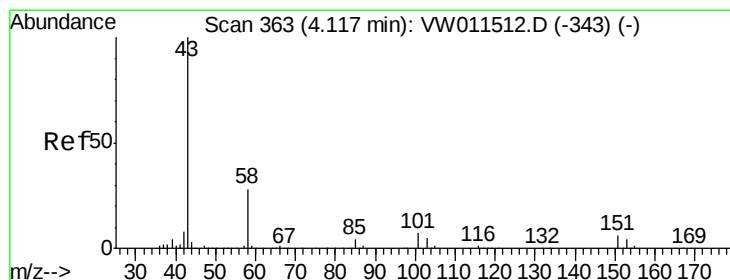
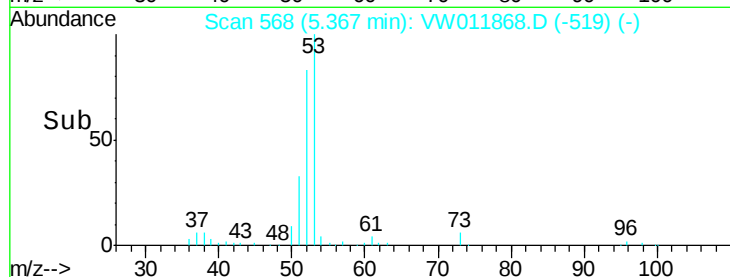
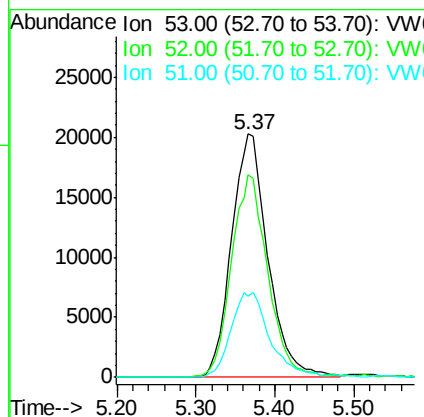
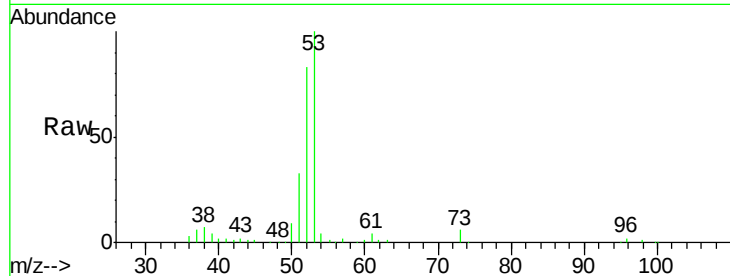
ClientSampleId :

VW0812SBS03

Tot Ion:	53	Resp:	64973
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	37.2	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 81.302 ug/l

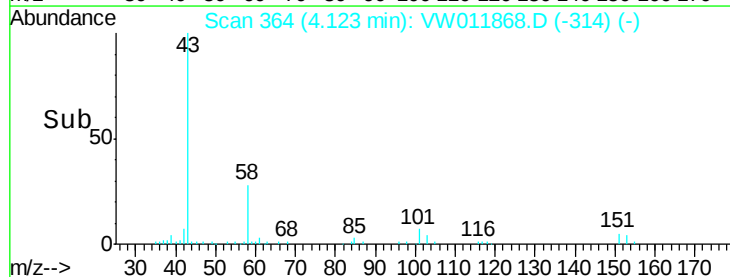
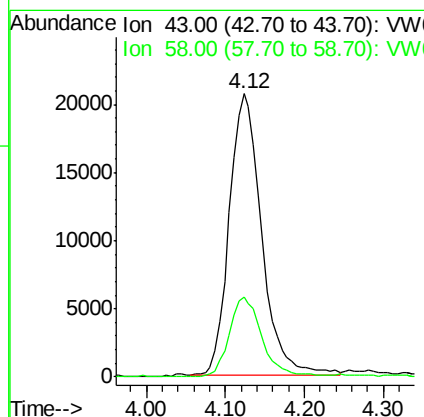
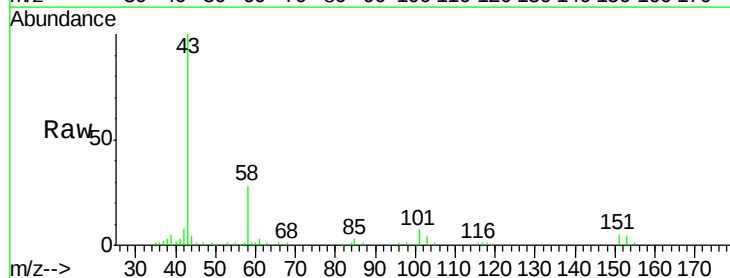
RT: 4.12 min Scan# 364

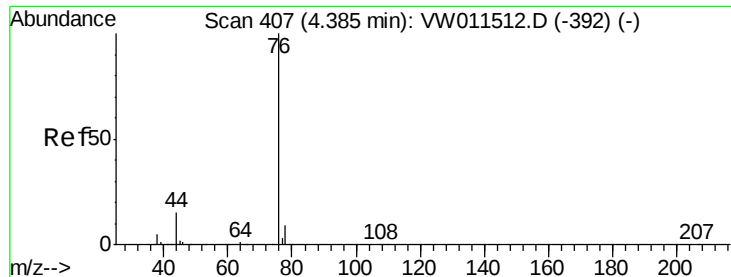
Delta R.T. 0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion:	43	Resp:	58477
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.3	33.5





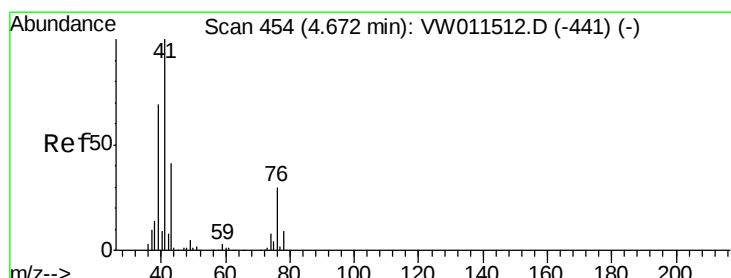
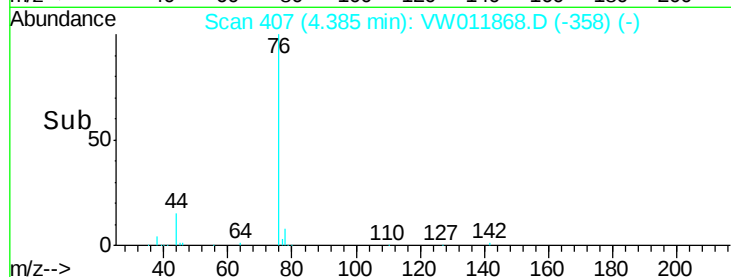
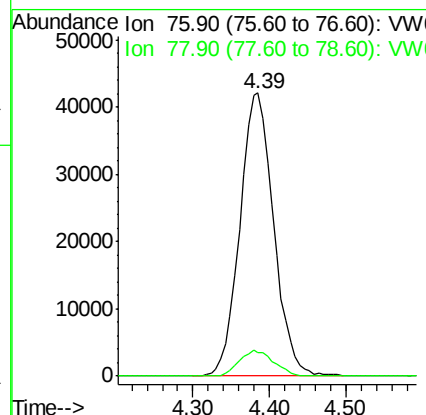
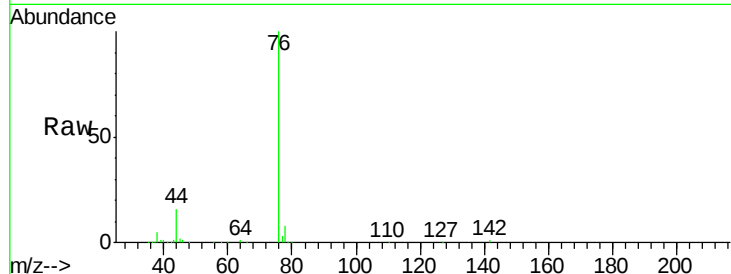
#17
Carbon Disulfide
Concen: 20.093 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.1	10.7

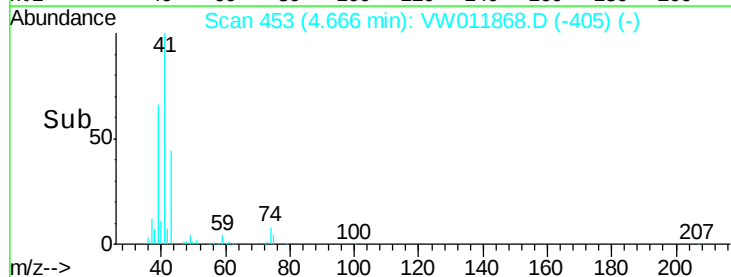
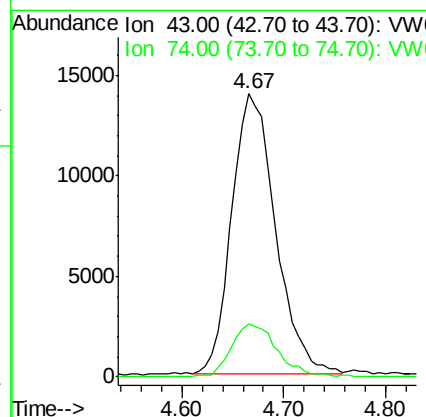
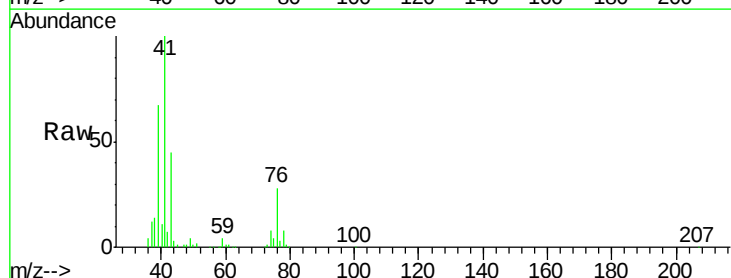
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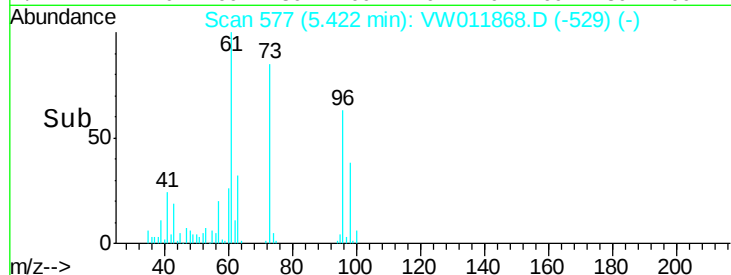
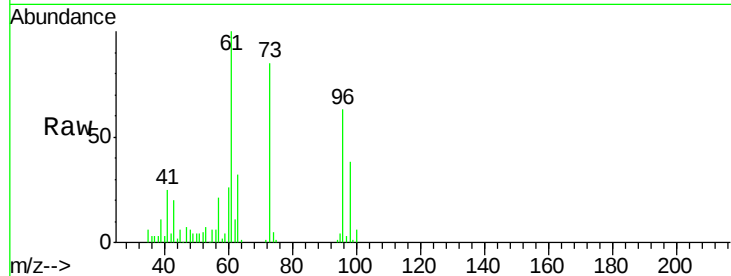
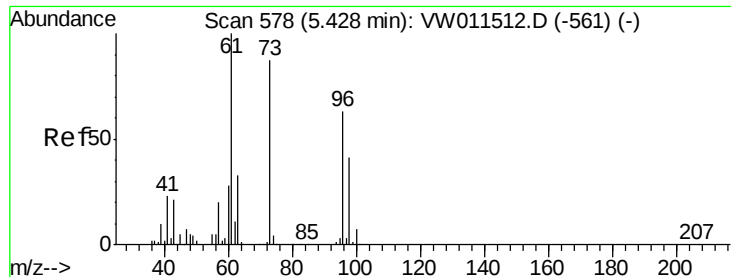
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#18
Methyl Acetate
Concen: 25.691 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	15.9	23.9





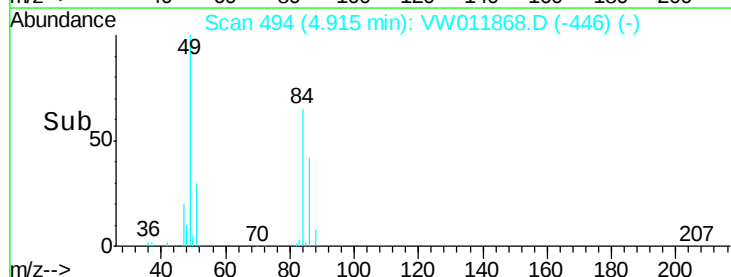
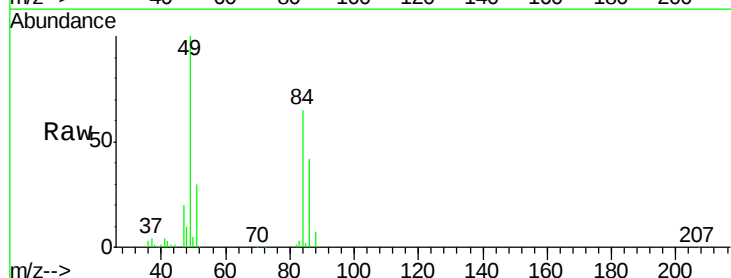
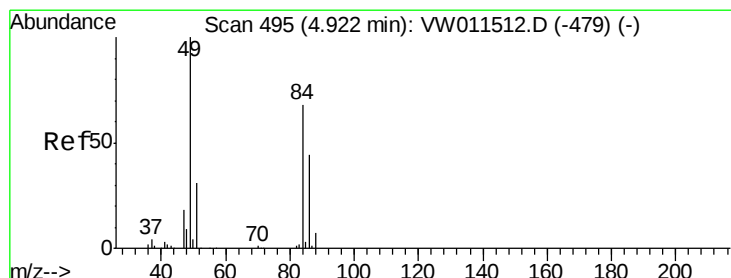
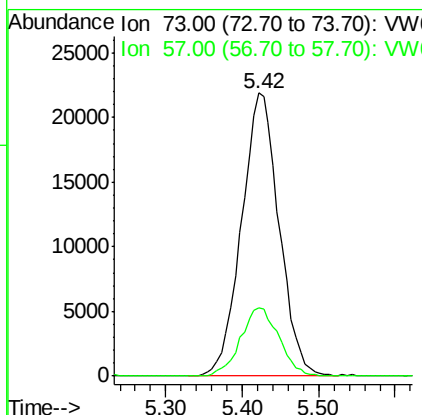
#19
Methvl tert-butvl Ether
Concen: 22.941 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tot Ion	73	Resp	74657
Ion Ratio	100	Lower	Upper
57	24.2	18.4	27.6

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

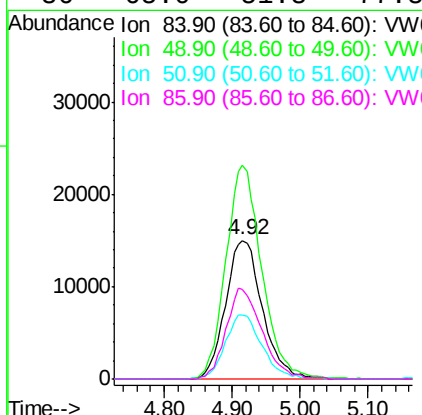
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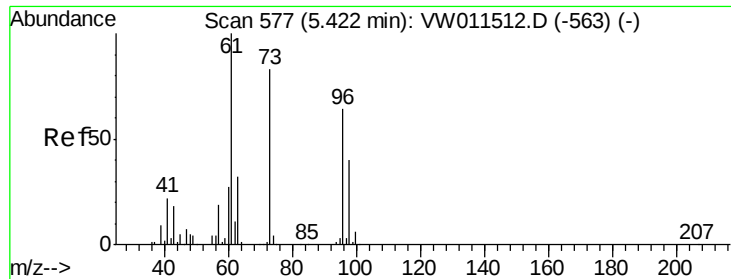
MMDadoda
8/13/2019 2:36:49 PM



#20
Methylene Chloride
Concen: 22.697 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	84	Resp	56301
Ion Ratio	100	Lower	Upper
49	154.1	117.8	176.6
51	46.2	37.0	55.4
86	65.0	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 21.795 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion: 96 Resp: 48188

Ion Ratio Lower Upper

96 100

61 158.7 125.7 188.5

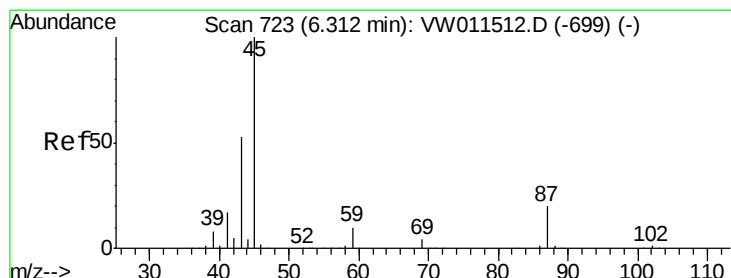
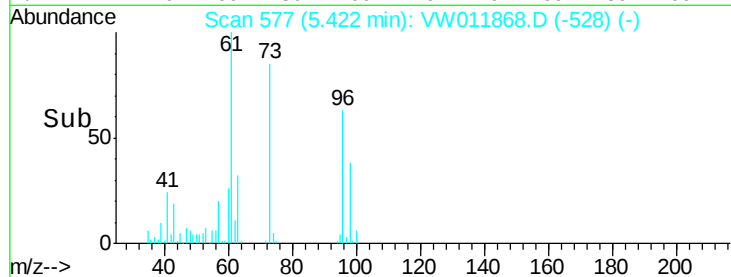
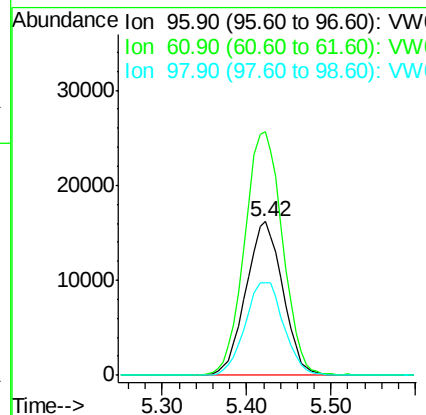
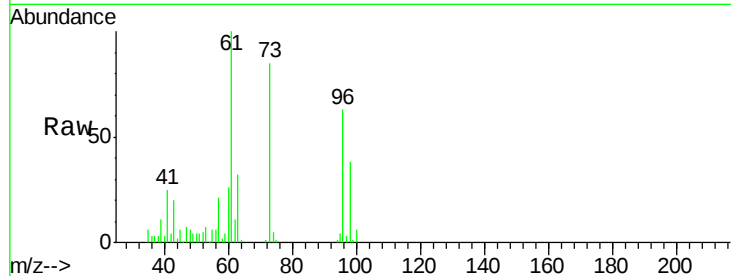
98 60.2 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 23.103 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion: 45 Resp: 189992

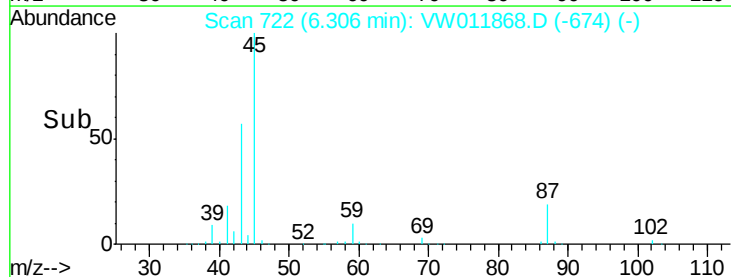
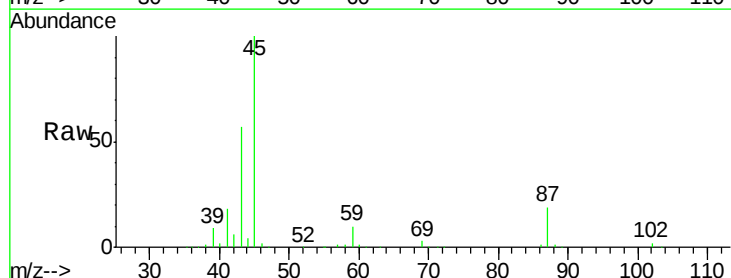
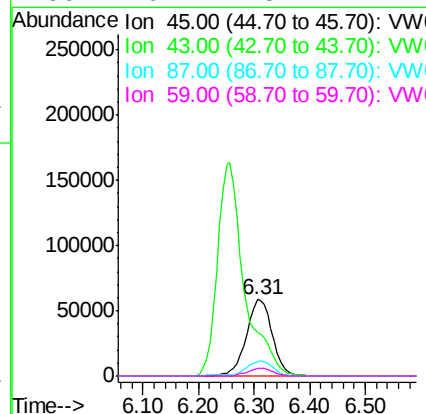
Ion Ratio Lower Upper

45 100

43 56.9 42.6 63.8

87 19.2 16.4 24.6

59 10.1 8.2 12.2





#23

Vinyl Acetate

Concen: 105.823 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion: 43 Resp: 546823

Ion Ratio Lower Upper

43 100

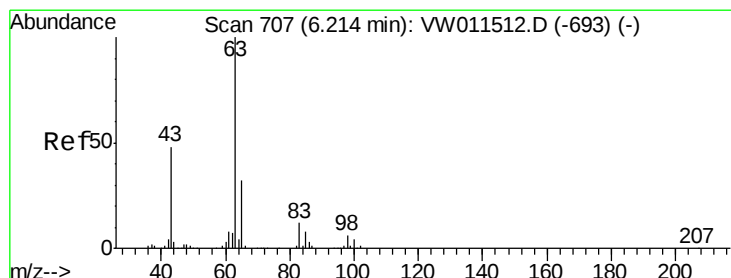
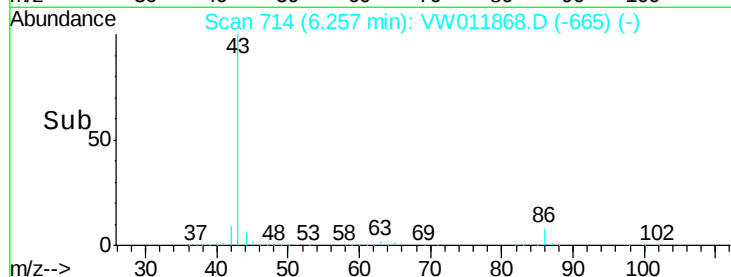
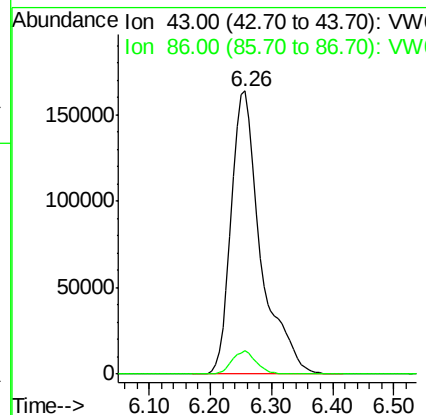
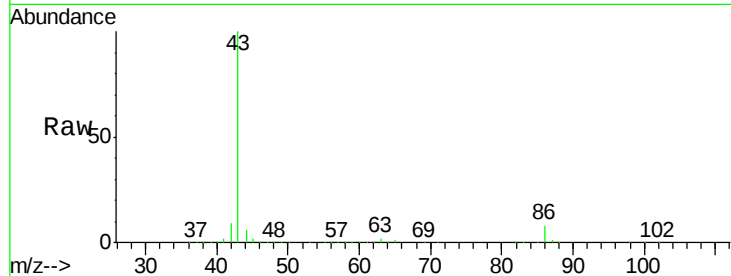
86 8.3 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.580 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

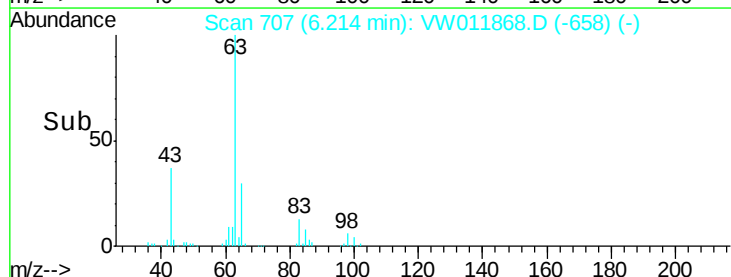
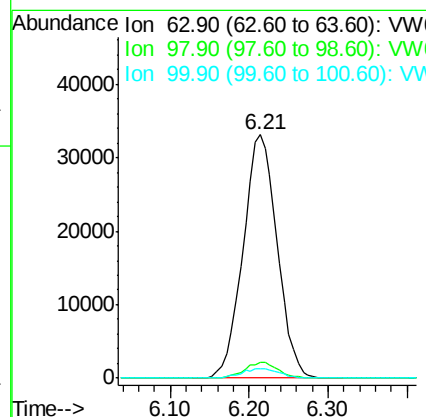
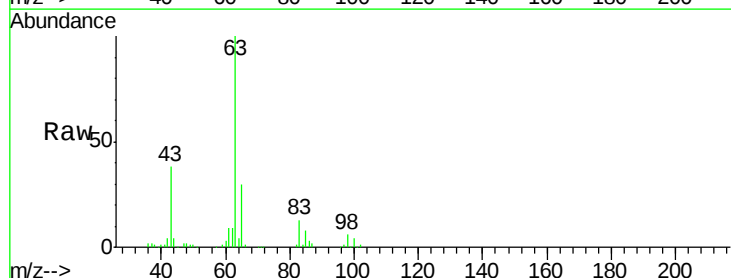
Tgt Ion: 63 Resp: 99447

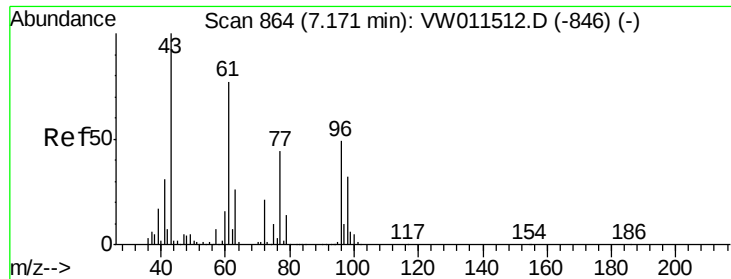
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 96.329 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion: 43 Resp: 90662

Ion Ratio Lower Upper

43 100

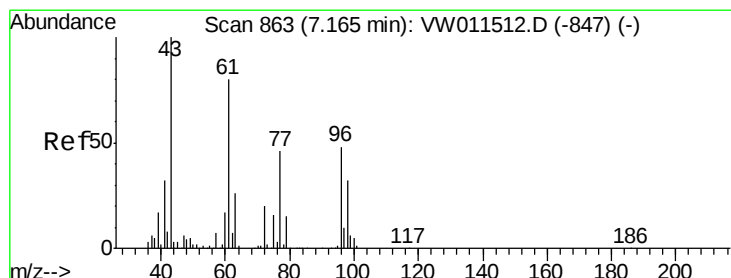
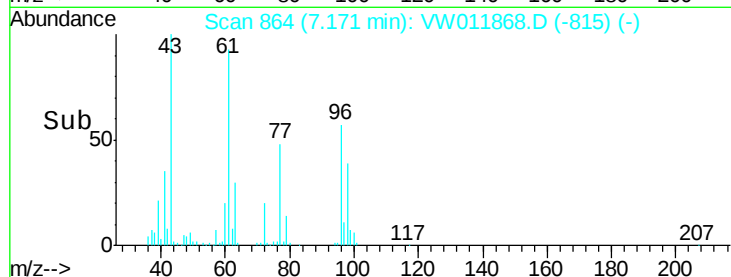
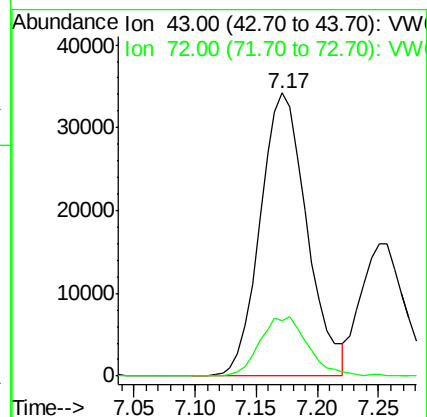
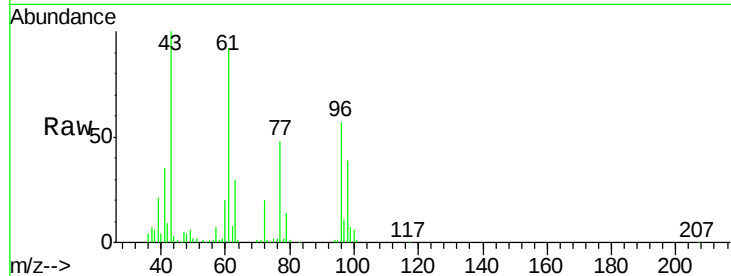
72 19.8 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.773 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011868.D

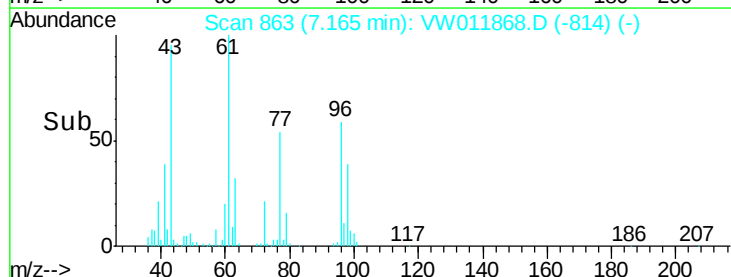
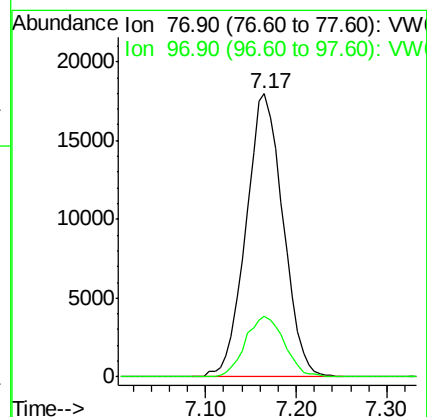
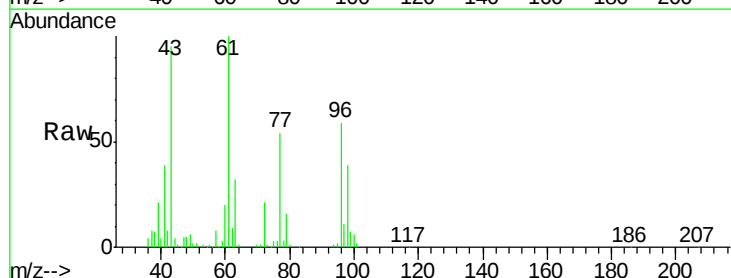
Acq: 12 Aug 2019 23:53

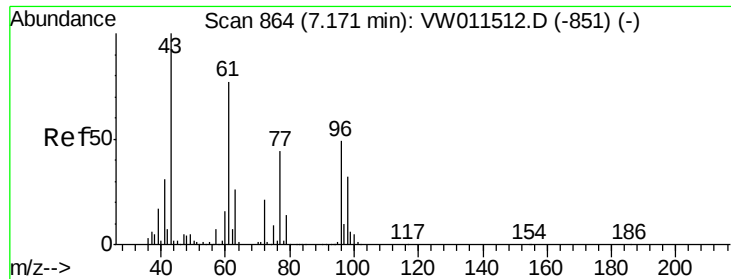
Tgt Ion: 77 Resp: 50849

Ion Ratio Lower Upper

77 100

97 22.6 10.8 32.4





#27

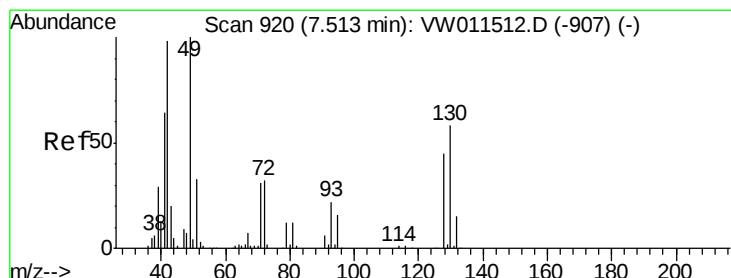
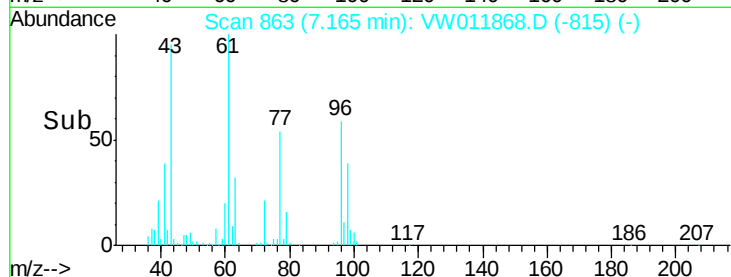
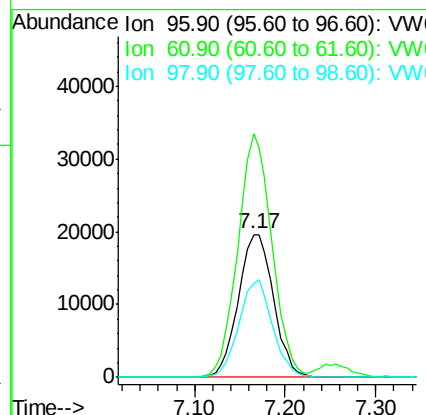
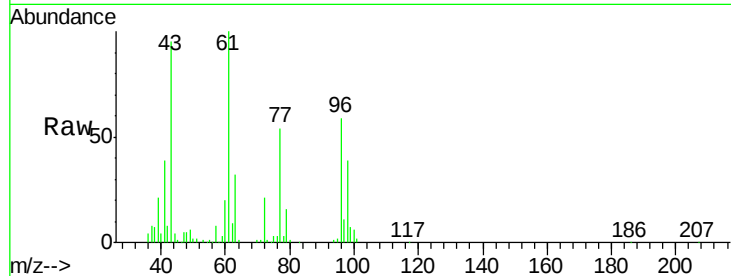
cis-1,2-Dichloroethene
 Concen: 21.700 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.2	0.0	328.4	
98	65.2	0.0	128.8	

Manual Integrations
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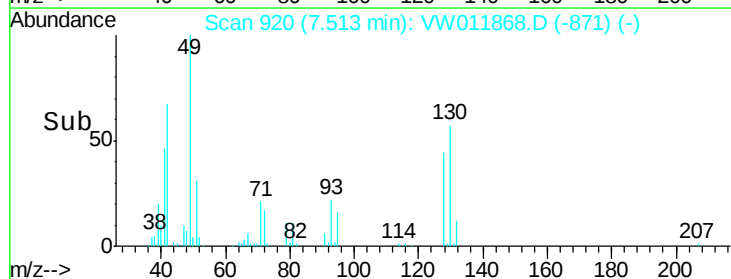
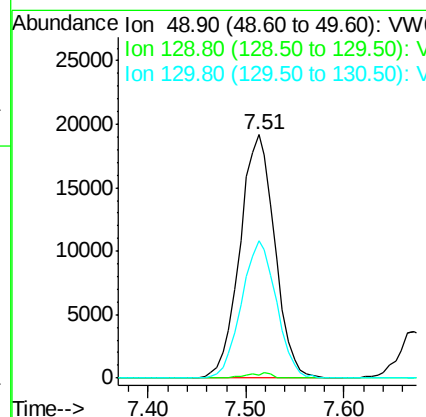
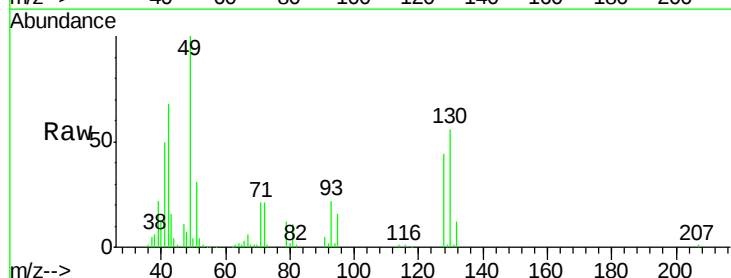
MMDadoda
 8/13/2019 2:36:49 PM

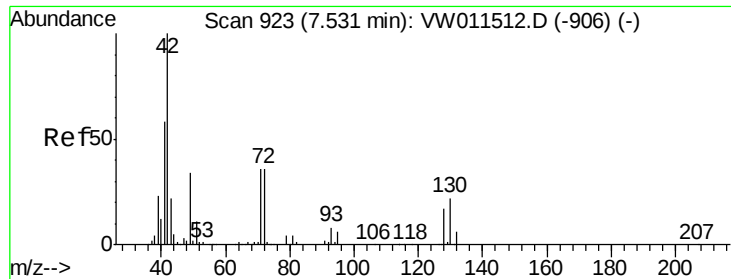


#28

Bromochloromethane
 Concen: 24.229 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	1.0#	
130	56.4	46.3	69.5	





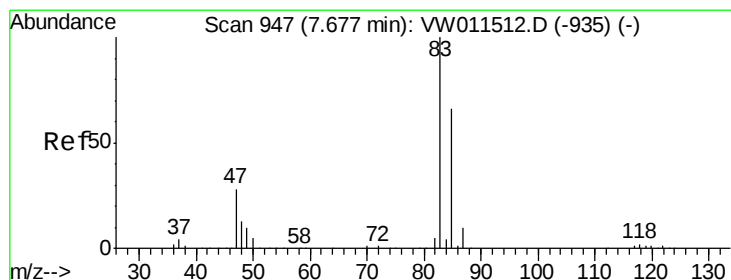
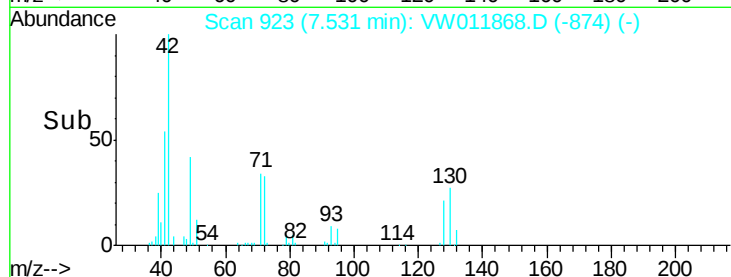
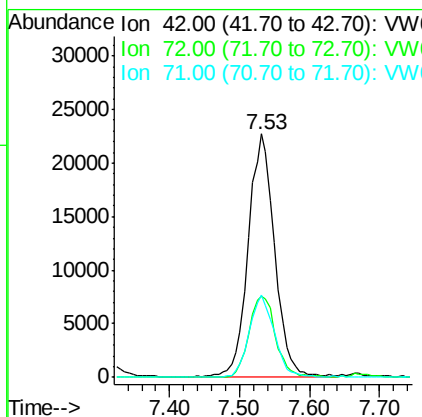
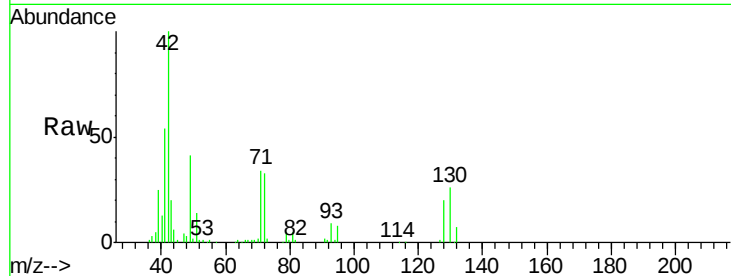
#29
Tetrahydrofuran
Concen: 111.515 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.5	27.1	40.7
71	32.1	26.2	39.4

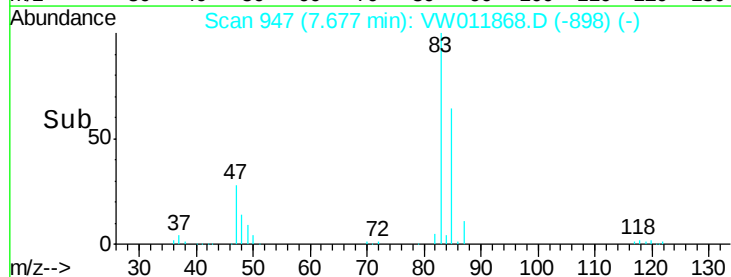
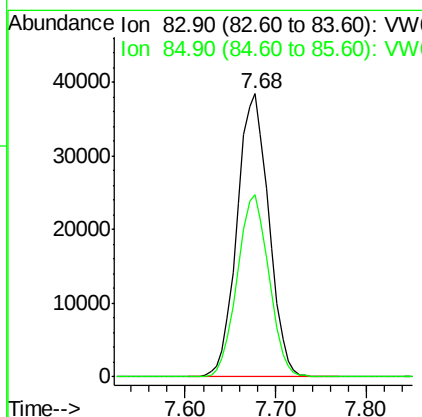
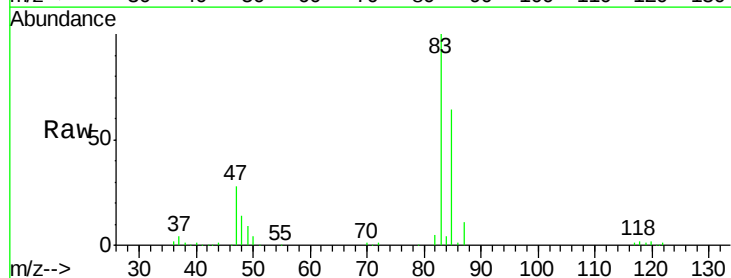
Manual Integrations
APPROVED

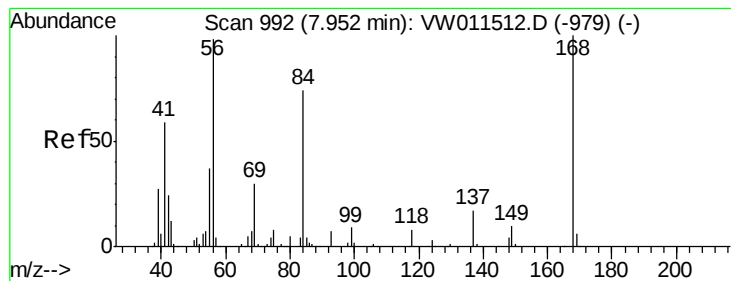
MMDadoda
8/13/2019 2:36:49 PM



#30
Chloroform
Concen: 22.945 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.5	78.7





#31

Cyclohexane

Concen: 20.906 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

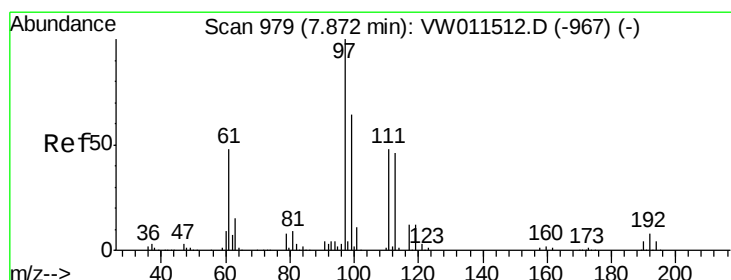
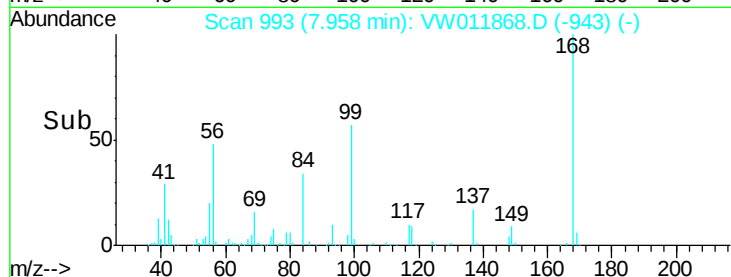
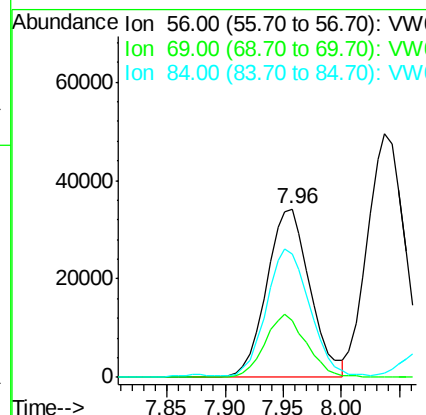
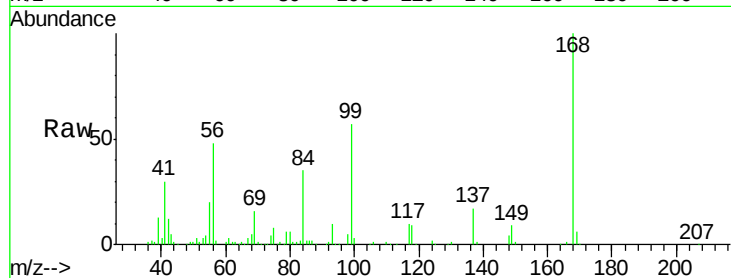
ClientSampleId :

VW0812SBS03

Tot Ion:	56	Resp:	88385
Ion Ratio	Lower	Upper	
56	100		
69	33.5	24.3	36.5
84	71.6	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.737 ug/l

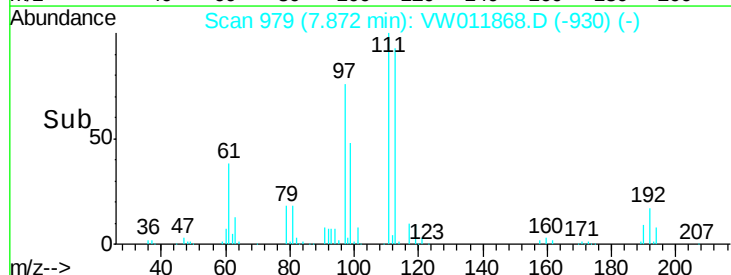
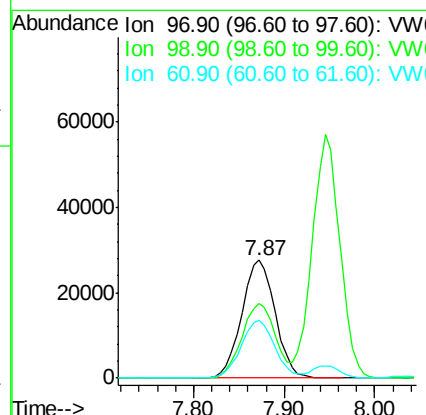
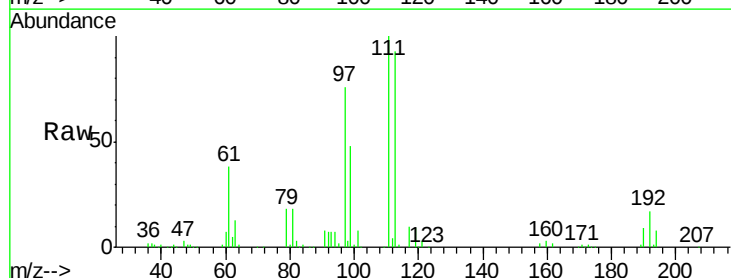
RT: 7.87 min Scan# 979

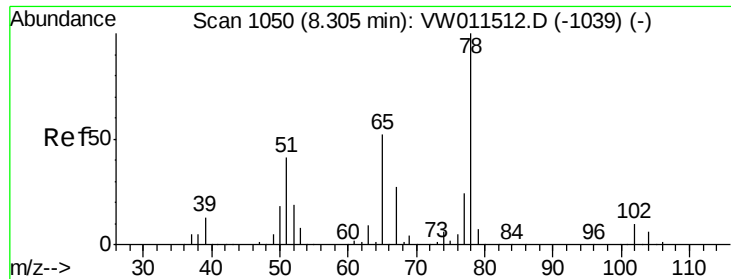
Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion:	97	Resp:	70360
Ion Ratio	Lower	Upper	
97	100		
99	62.5	51.0	76.6
61	49.4	39.8	59.6





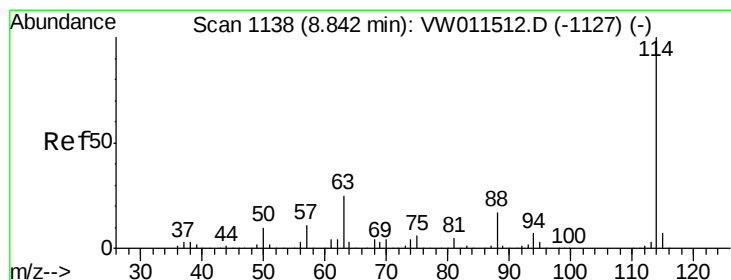
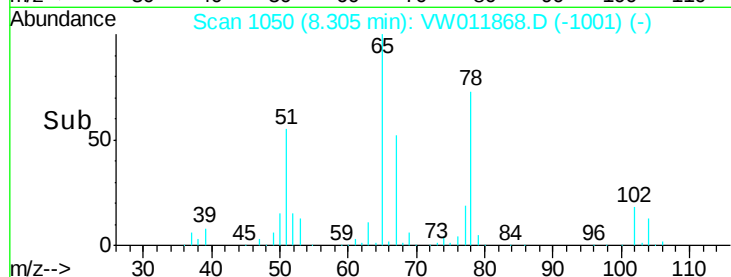
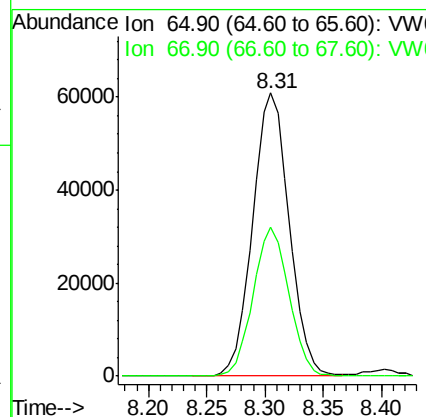
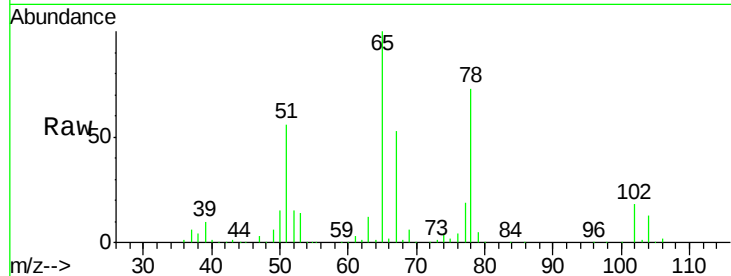
#33
 1,2-Dichloroethane-d4
 Concen: 58.669 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132657		
67	51.6	0.0	105.2	

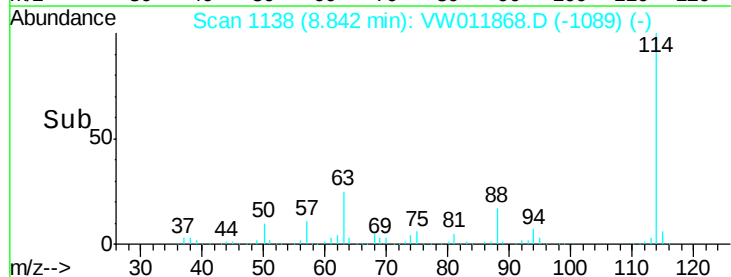
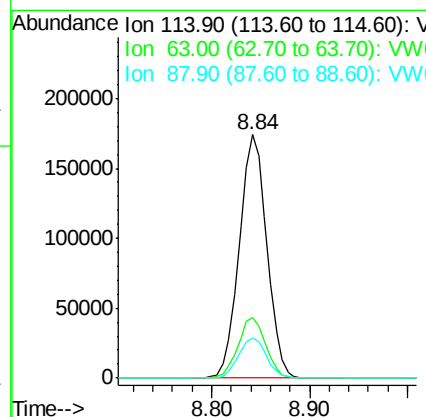
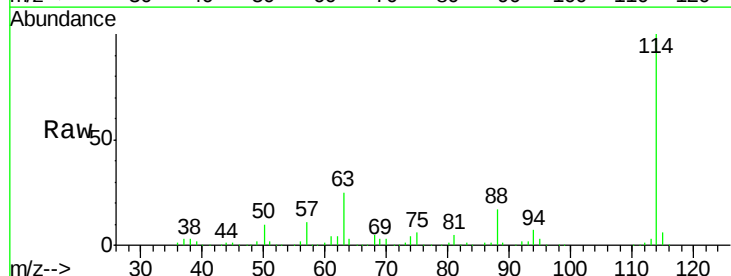
Manual Integrations
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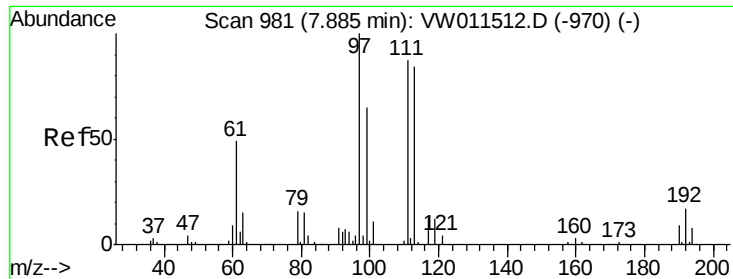
MMDadoda
 8/13/2019 2:36:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339365		
63	24.6	0.0	49.2	
88	16.6	0.0	33.8	





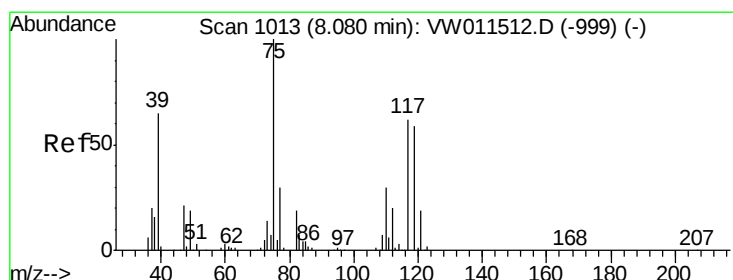
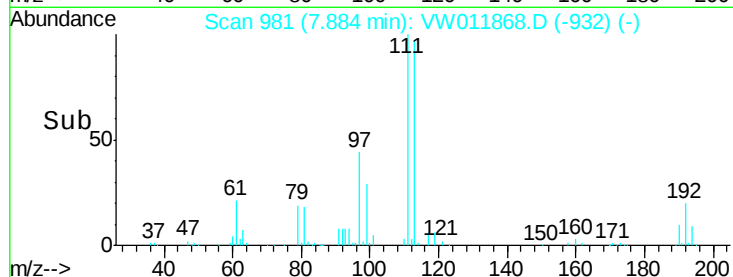
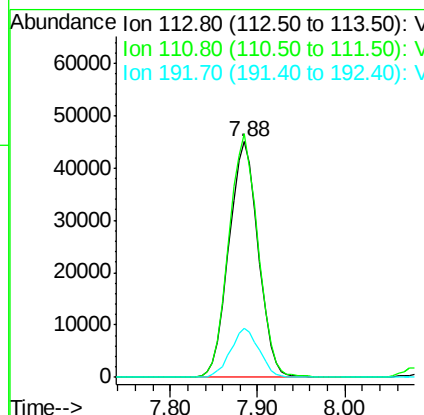
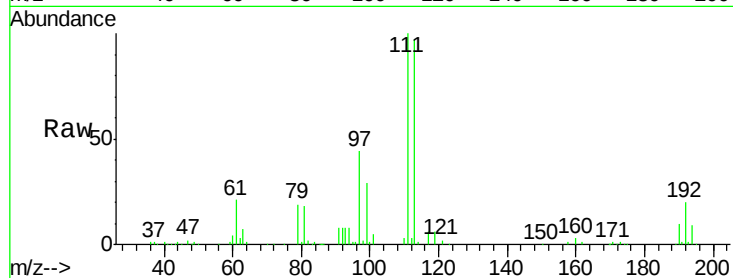
#35
 Dibromofluoromethane
 Concen: 55.213 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	105120		
111	103.0	82.7	124.1	
192	20.3	16.1	24.1	

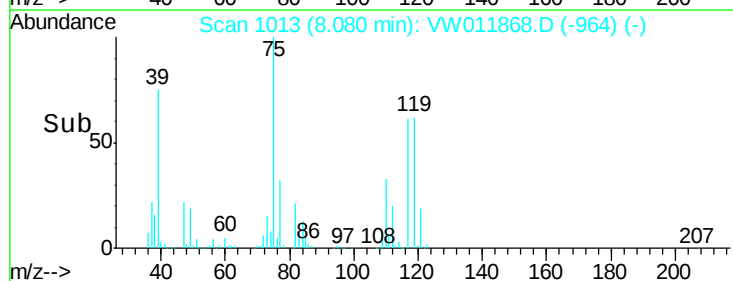
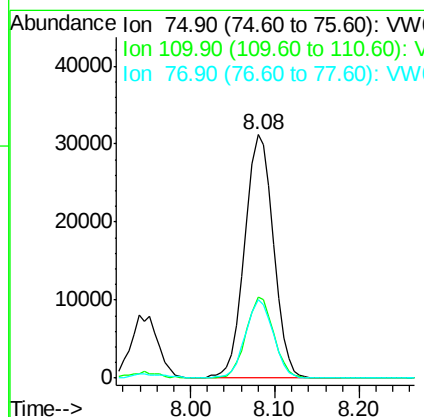
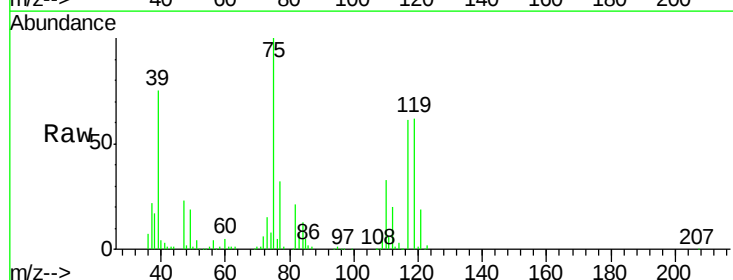
Manual Integrations
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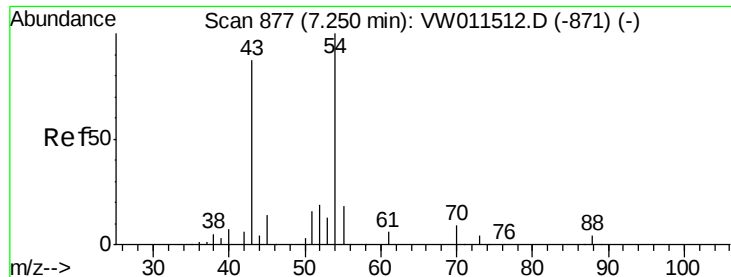
MMDadoda
 8/13/2019 2:36:49 PM



#36
 1,1-Dichloropropene
 Concen: 20.348 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71803		
110	31.8	15.6	46.8	
77	31.2	24.3	36.5	





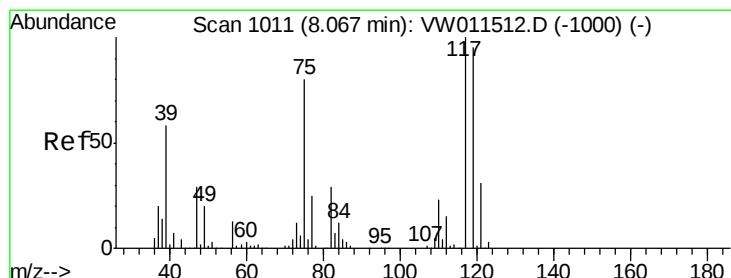
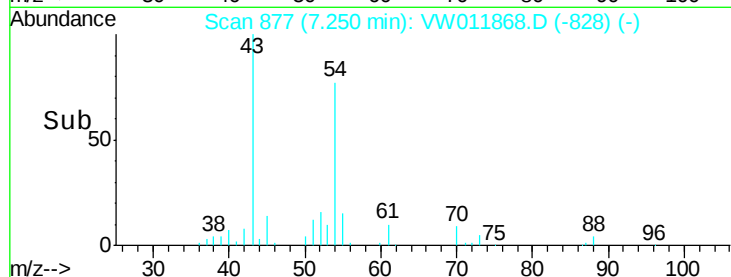
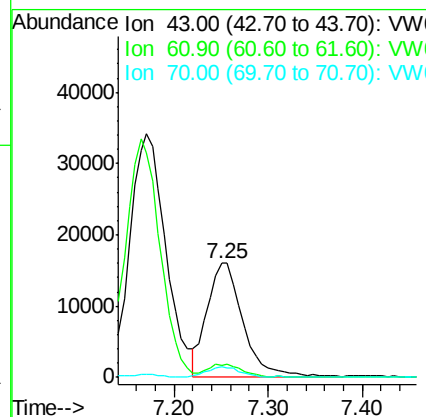
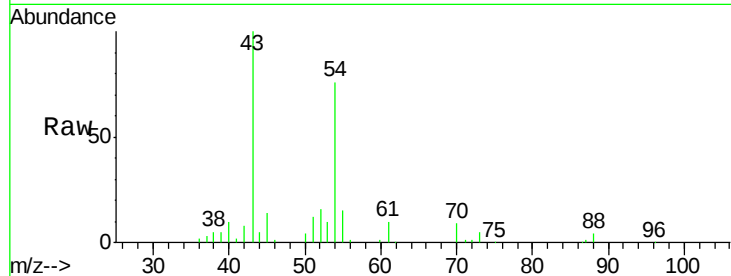
#37
Ethyl Acetate
Concen: 20.516 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.1	8.8	13.2
70	8.1	7.1	10.7

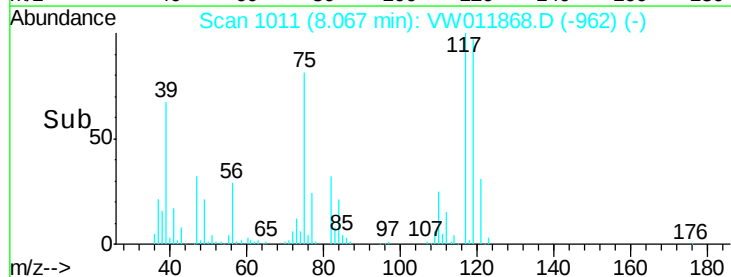
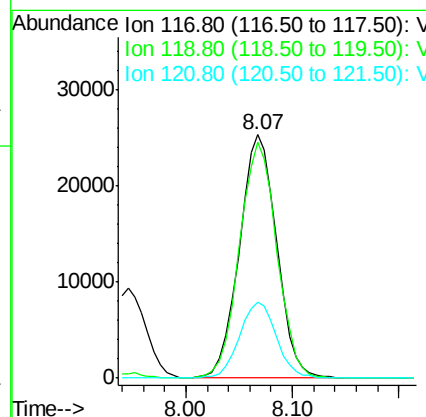
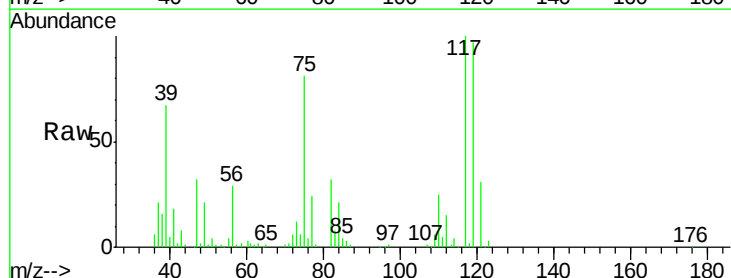
Manual Integrations
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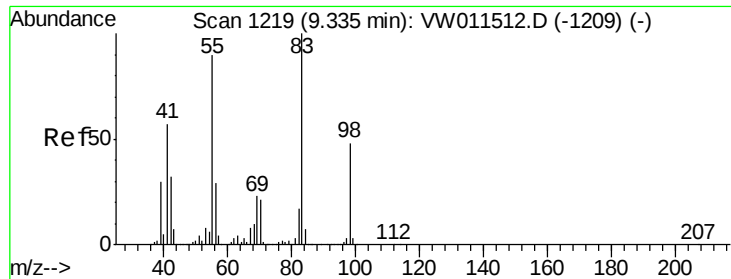
MMDadoda
8/13/2019 2:36:49 PM



#38
Carbon Tetrachloride
Concen: 20.530 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.6
121	31.1	24.7	37.1





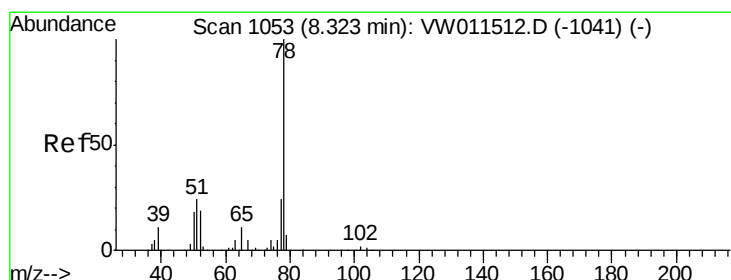
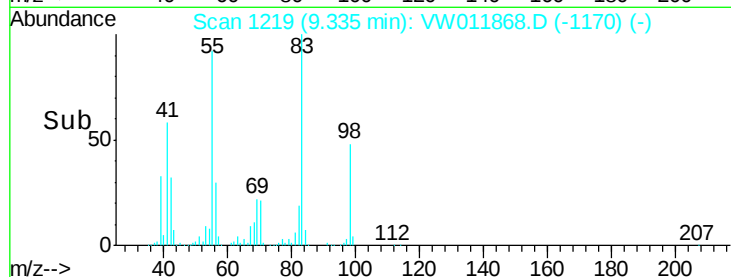
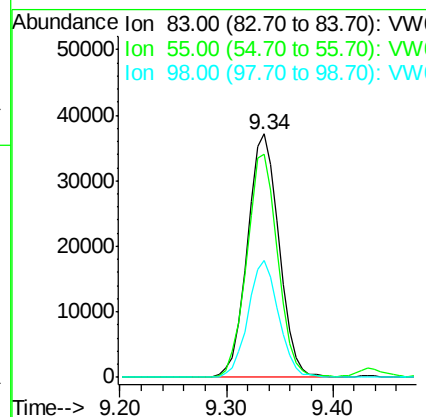
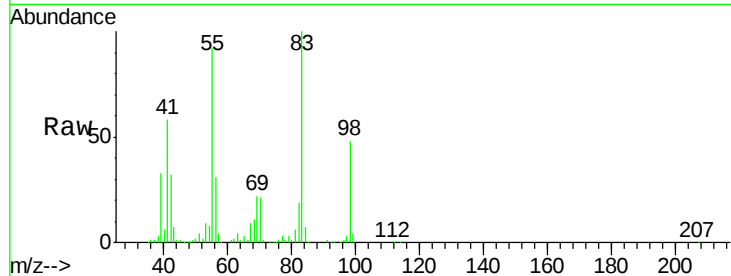
#39
Methvlcvclohexane
Concen: 19.943 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	83	Resp	77491
Ion Ratio	Lower	Upper	
83	100		
55	91.7	72.1	108.1
98	48.0	38.6	57.8

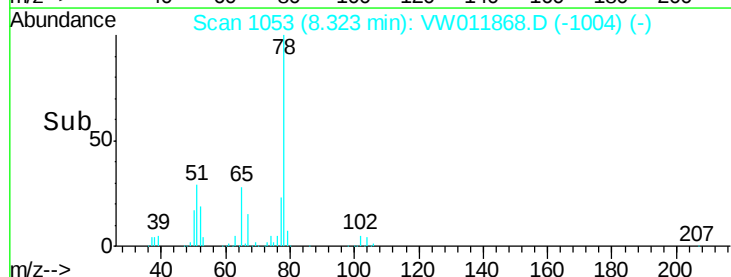
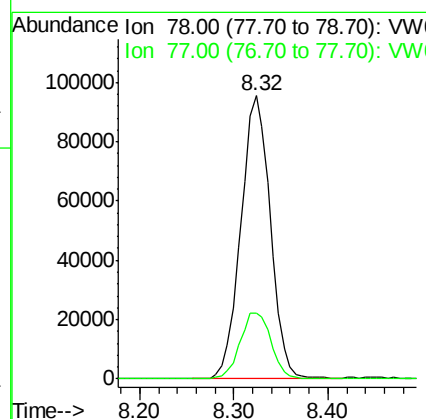
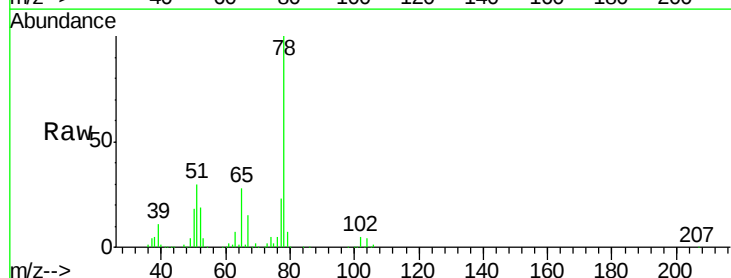
Manual Integrations
APPROVED

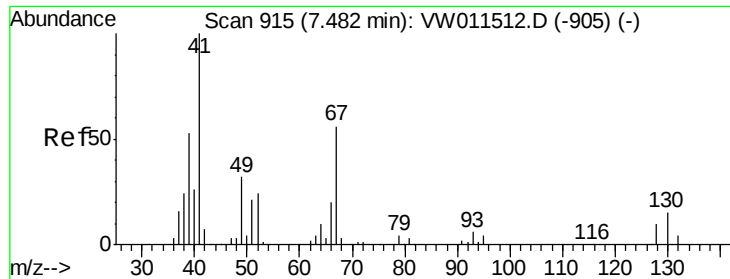
MMDadoda
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#40
Benzene
Concen: 21.124 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	78	Resp	208795
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.4	29.0





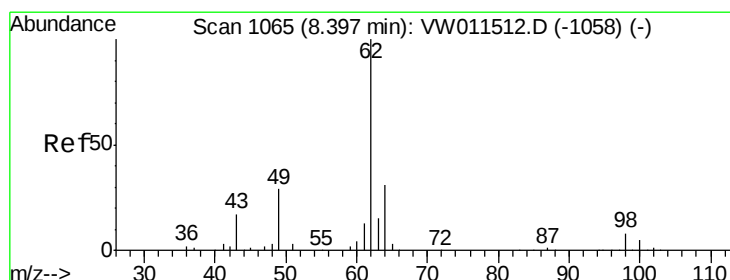
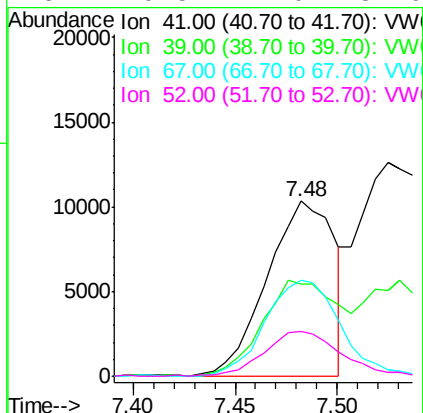
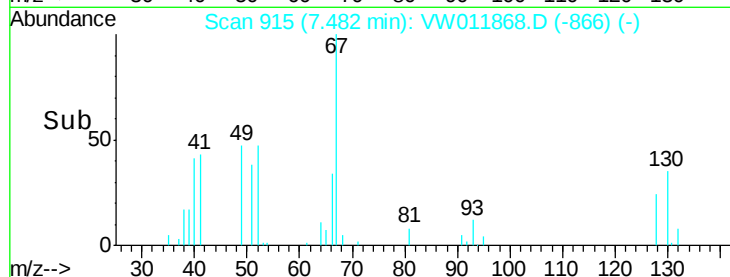
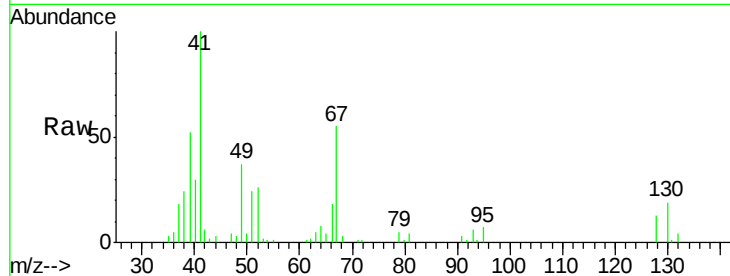
#41
Methacrylonitrile
Concen: 19.569 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		23749		
39	62.7	43.0	64.4		
67	61.3	47.5	71.3		
52	29.5	21.0	31.6		

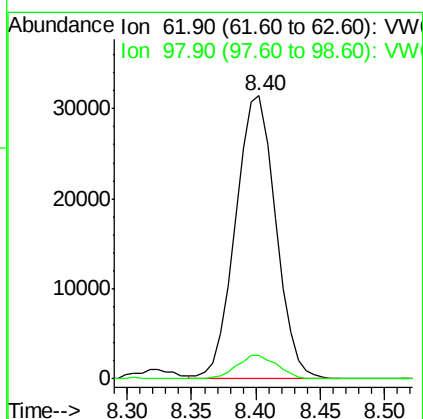
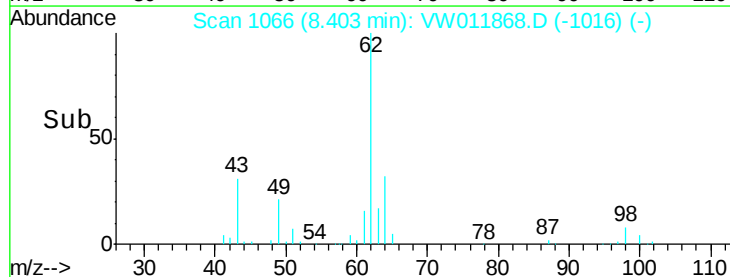
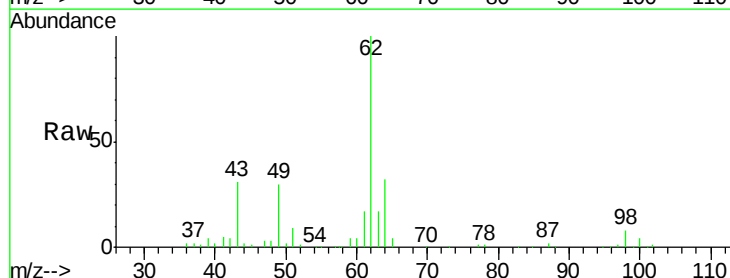
Manual Integrations
APPROVED

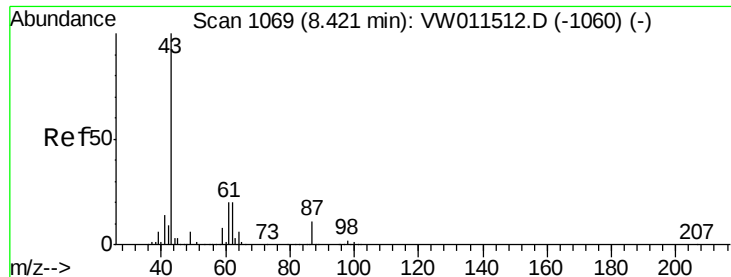
MMDadoda
8/13/2019 2:36:49 PM



#42
1,2-Dichloroethane
Concen: 21.968 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		67984		
98	8.3	0.0	16.8		





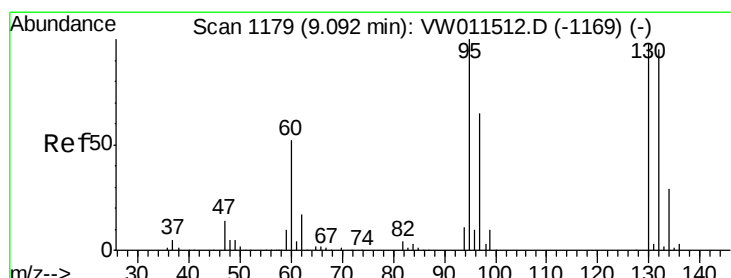
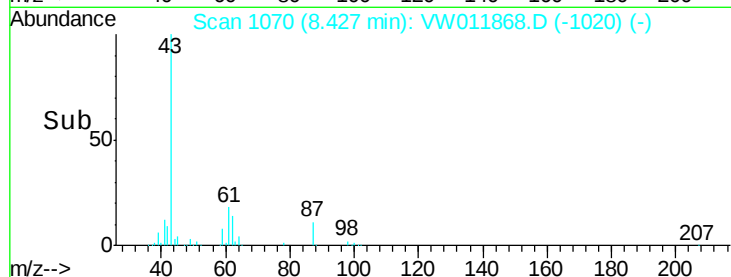
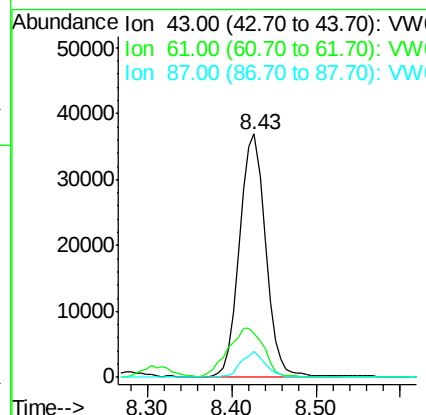
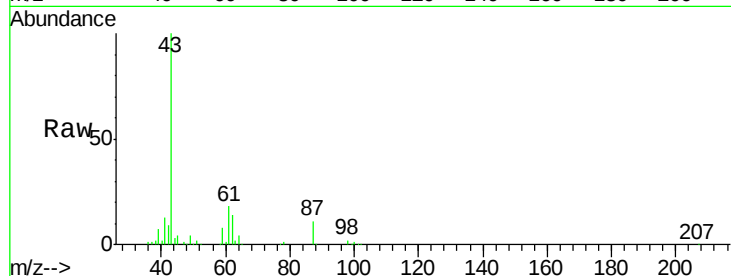
#43
Isopropyl Acetate
Concen: 20.565 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.5	21.5	32.3
87	10.0	8.4	12.6

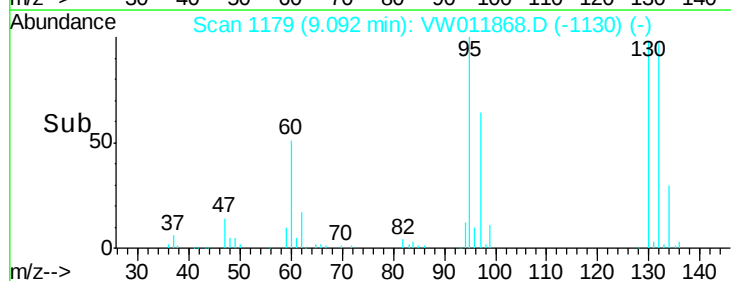
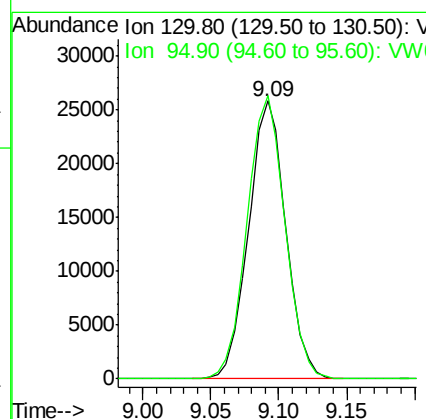
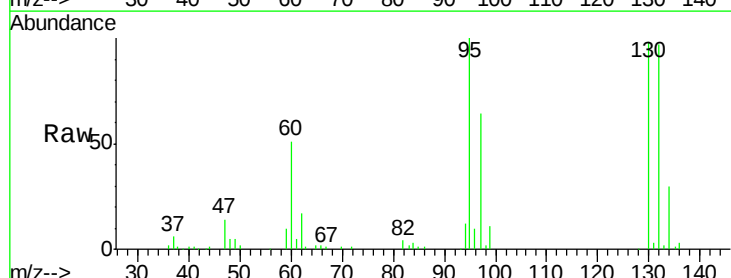
Manual Integrations
APPROVED

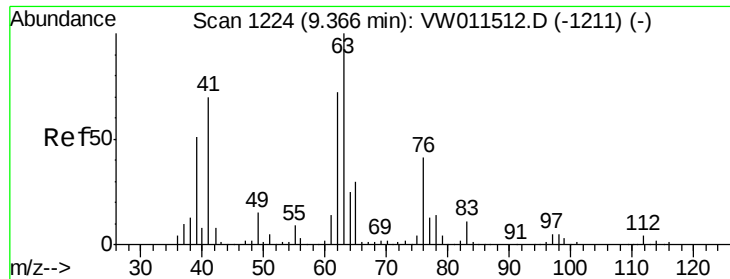
MMDadoda
8/13/2019 2:36:49 PM



#44
Trichloroethene
Concen: 20.833 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	204.8





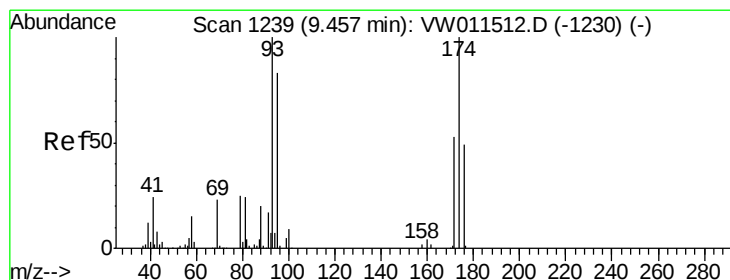
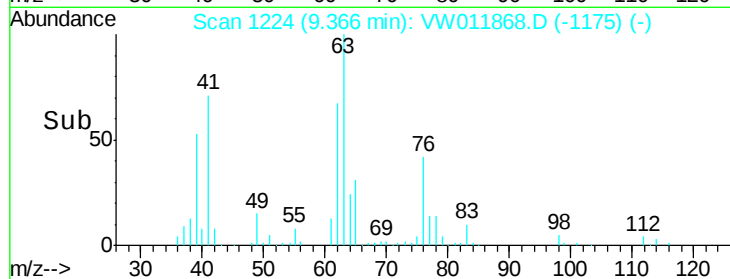
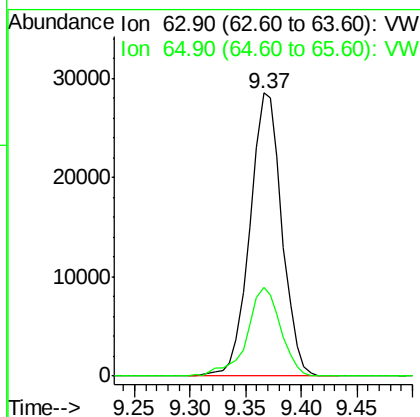
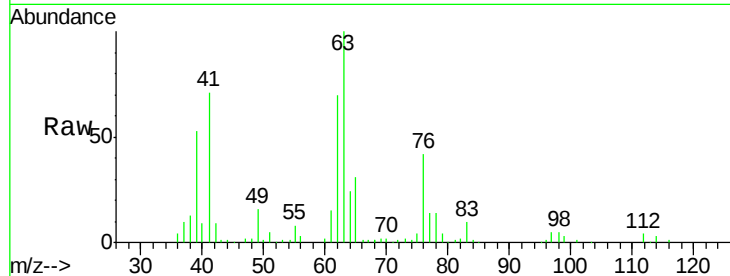
#45
 1,2-Dichloropropane
 Concen: 21.591 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.4

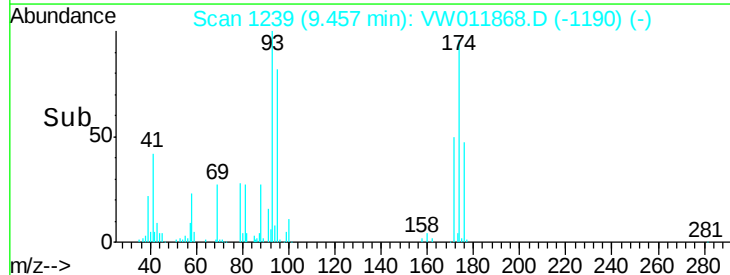
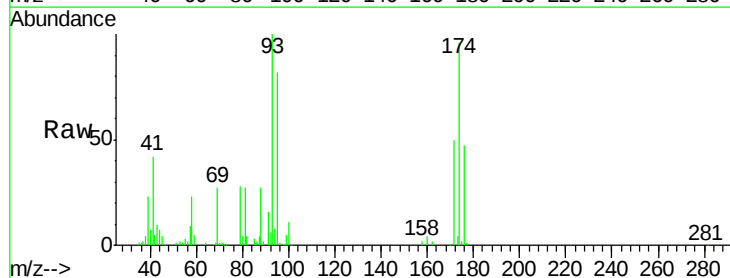
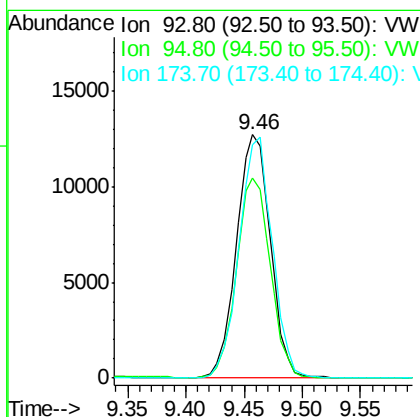
Manual Integrations
 APPROVED

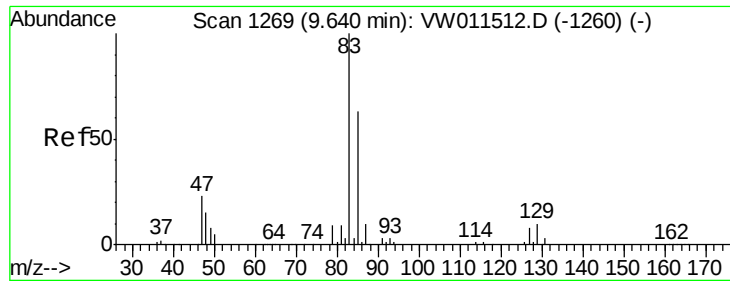
MMDadoda
 8/13/2019 2:36:49 PM



#46
 Dibromomethane
 Concen: 21.450 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.2	99.2
174	96.7	78.2	117.4





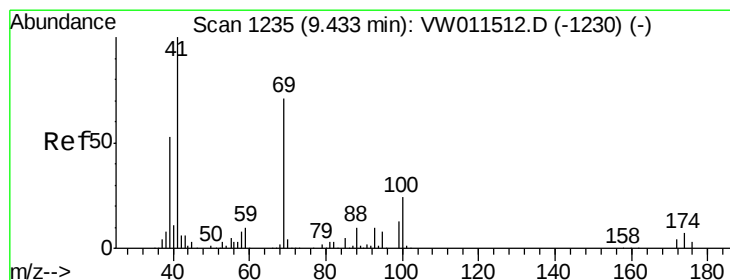
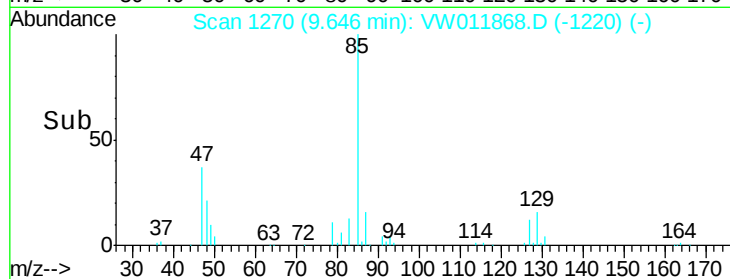
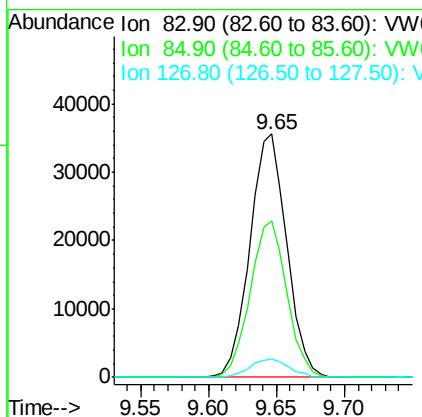
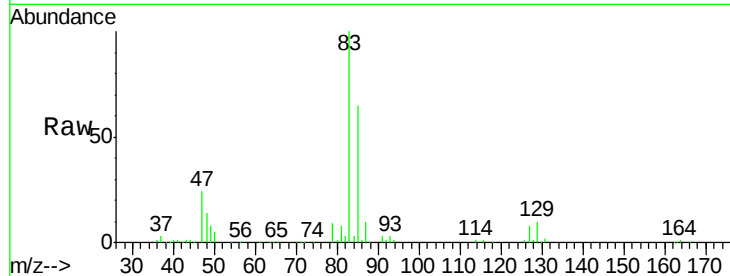
#47
 Bromodichloromethane
 Concen: 21.340 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD03

Tot Ion	83	Resp	67569
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	50.5	75.7
127	7.6	6.4	9.6

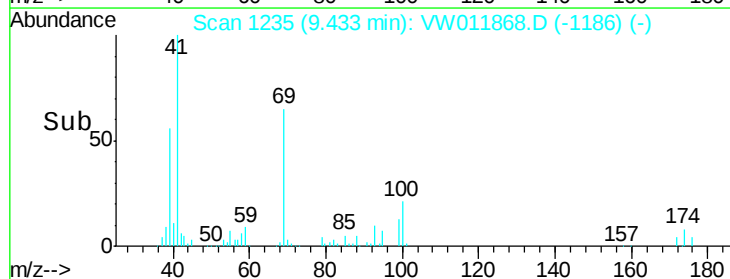
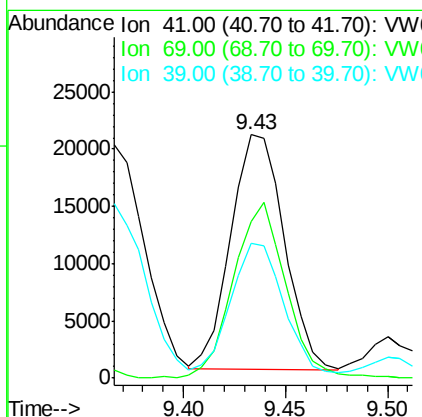
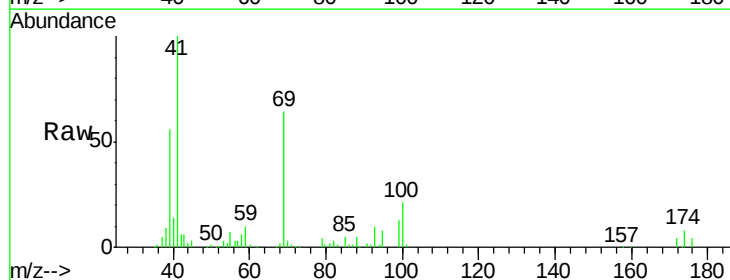
Manual Integrations
 APPROVED

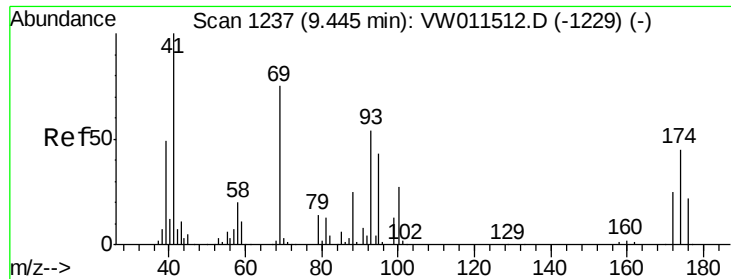
MMDadoda
 8/13/2019 2:36:49 PM



#48
 Methyl methacrylate
 Concen: 20.902 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion	41	Resp	37488
Ion Ratio	100	Lower	Upper
41	100		
69	72.2	57.1	85.7
39	57.9	45.4	68.2





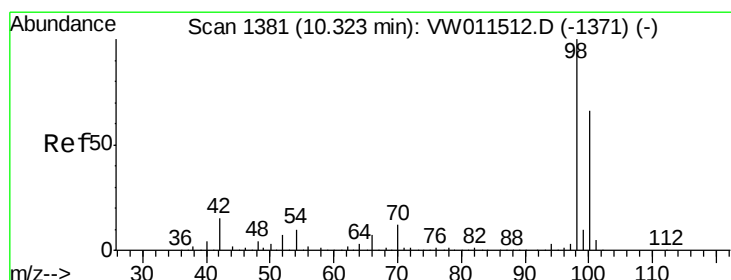
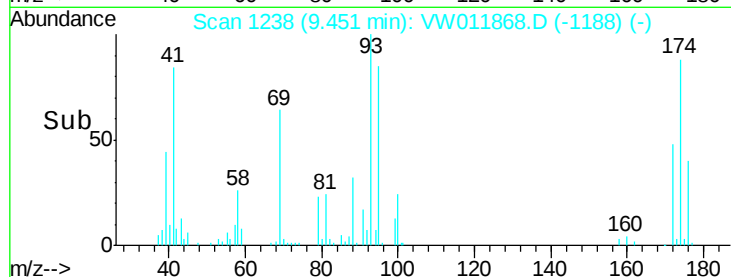
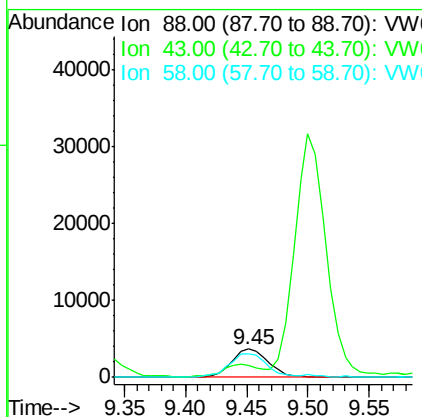
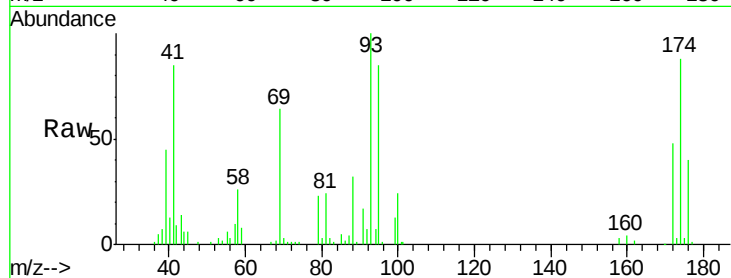
#49
1,4-Dioxane
Concen: 437.980 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.2	34.0	51.0
58	87.0	69.7	104.5

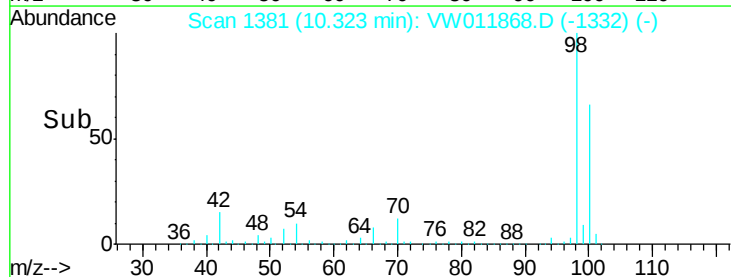
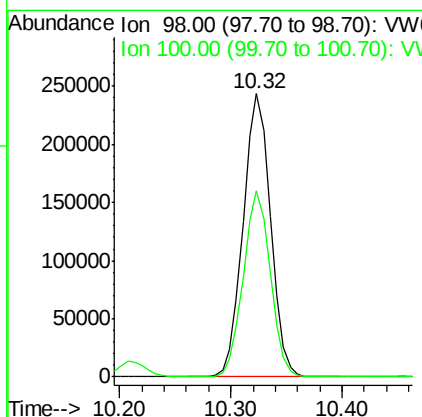
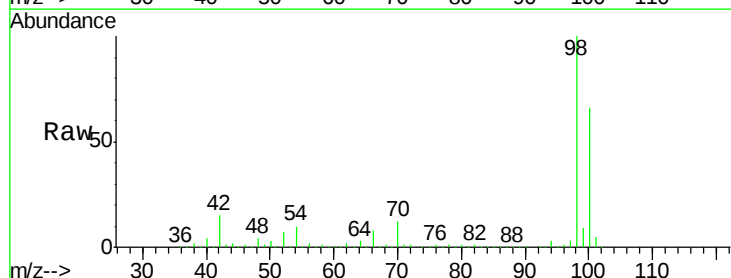
Manual Integrations
APPROVED

MMDadoda
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#50
Toluene-d8
Concen: 53.455 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 104.085 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion: 43 Resp: 202142

Ion Ratio Lower Upper

43 100

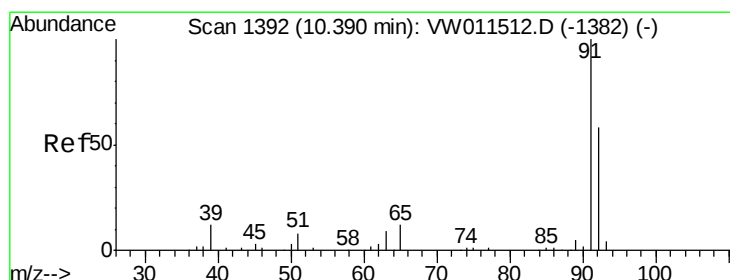
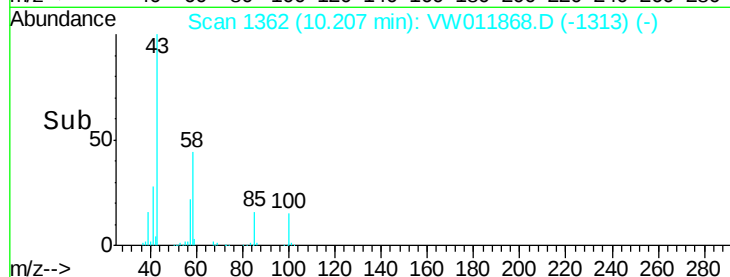
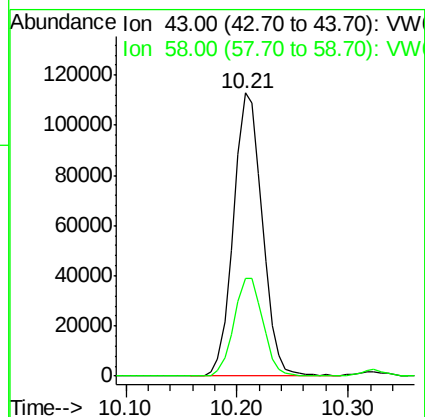
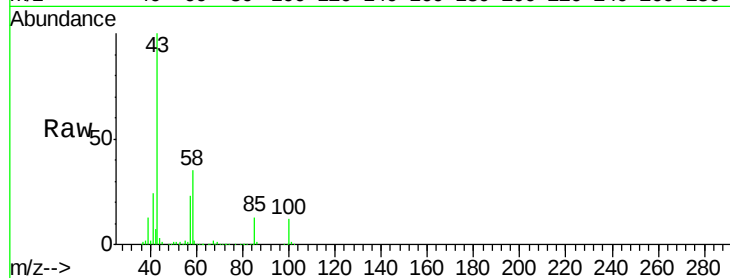
58 34.9 28.2 42.2

Manual Integrations

APPROVED

MMDadoda

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#52

Toluene

Concen: 20.784 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011868.D

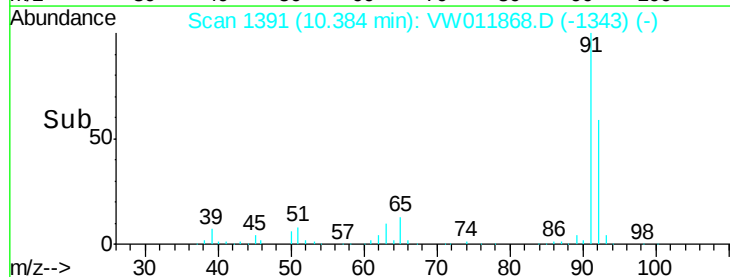
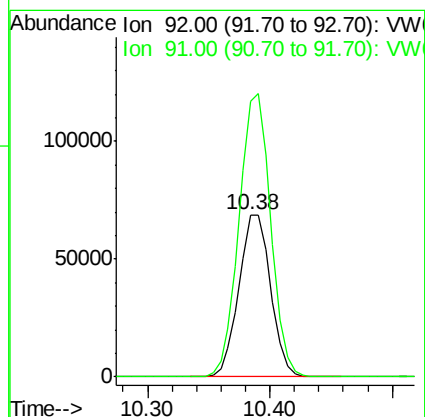
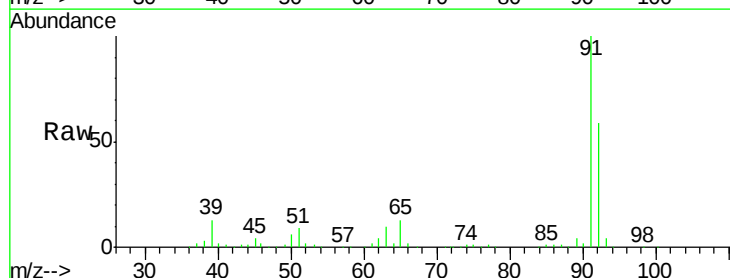
Acq: 12 Aug 2019 23:53

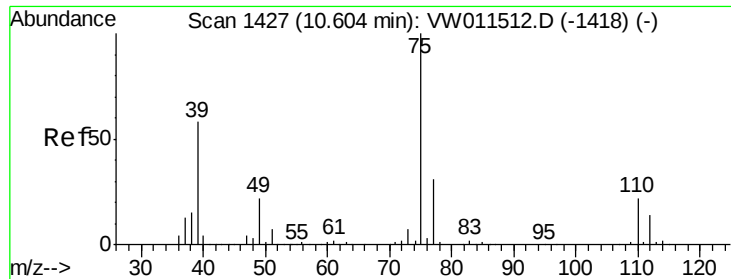
Tgt Ion: 92 Resp: 124059

Ion Ratio Lower Upper

92 100

91 173.5 136.7 205.1





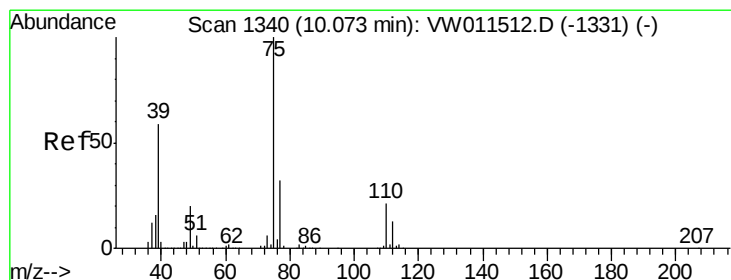
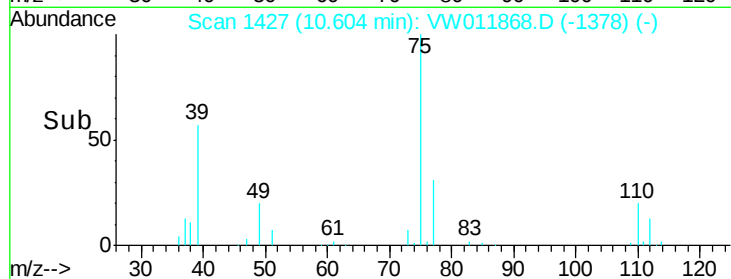
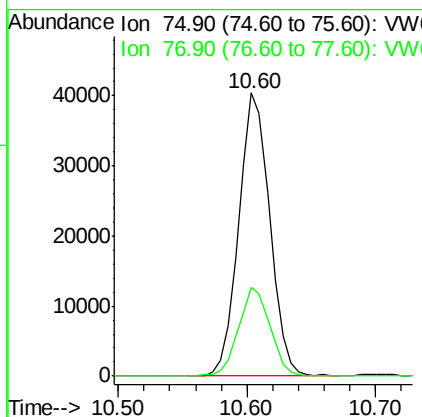
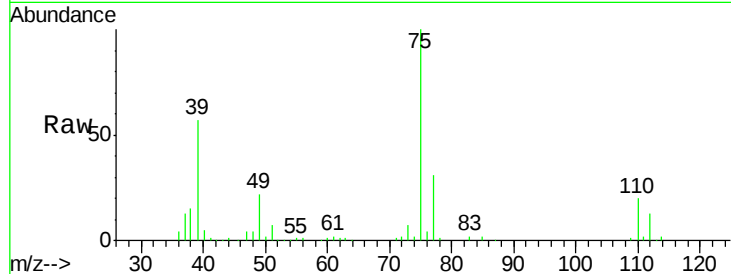
#53
 t-1,3-Dichloropropene
 Concen: 20.336 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD03

Tot Ion: 75 Resp: 67263
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.4

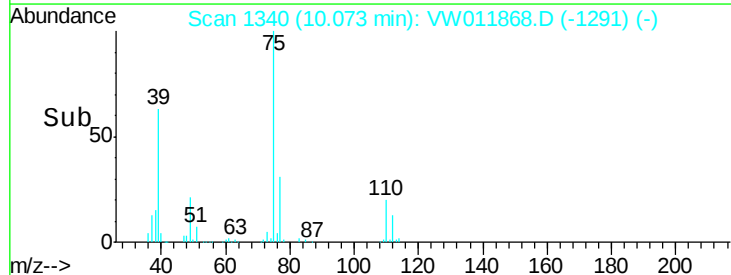
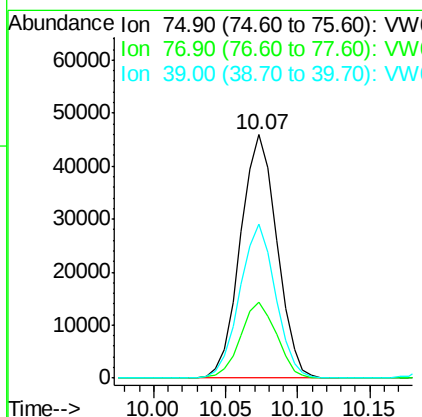
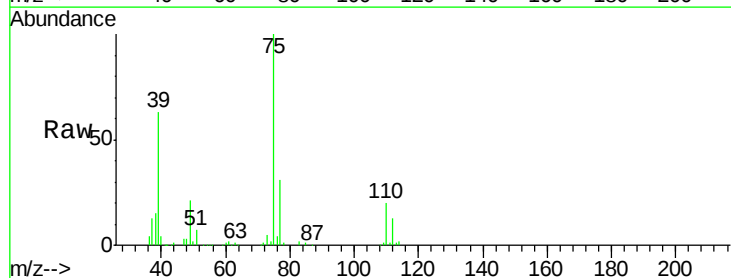
Manual Integrations
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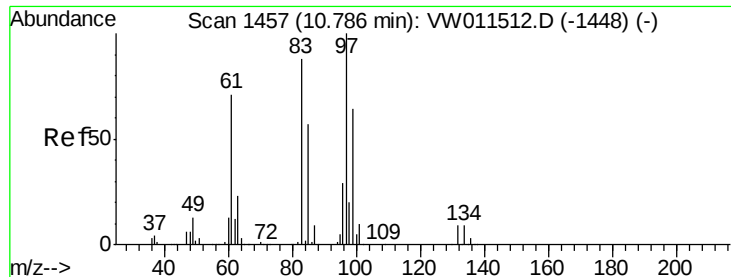
MMDadoda
 8/13/2019 2:36:49 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.548 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion: 75 Resp: 80812
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.6 38.4
 39 62.9 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 21.316 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

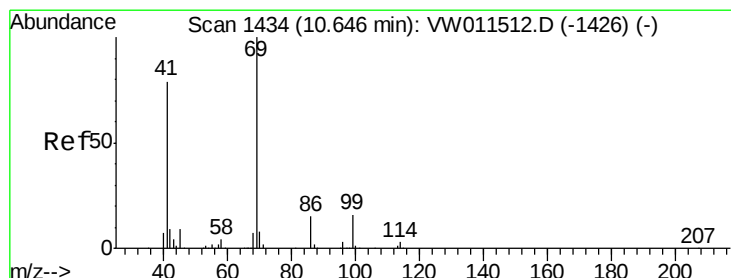
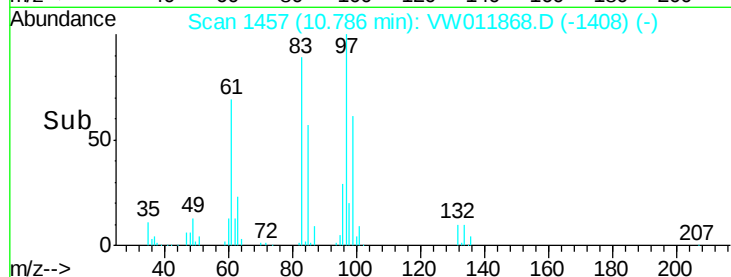
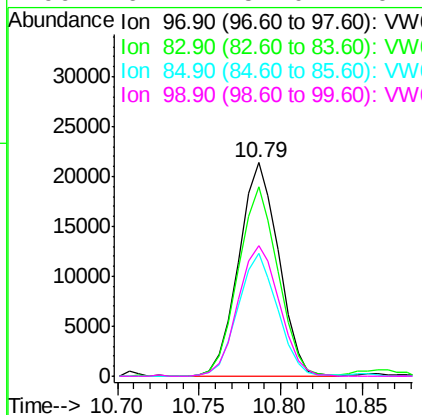
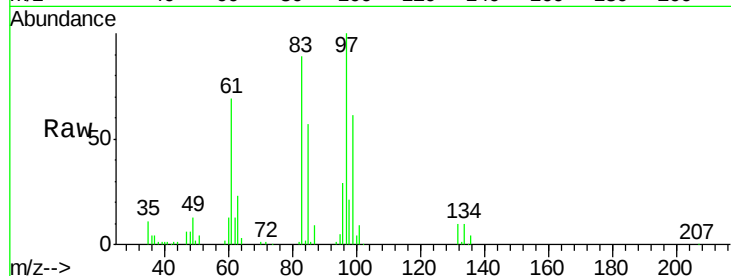
ClientSampleId :

VW0812SBSD03

Tot Ion:	97	Resp:	36508
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.5	105.7
85	57.3	45.8	68.6
99	61.2	51.0	76.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.416 ug/l

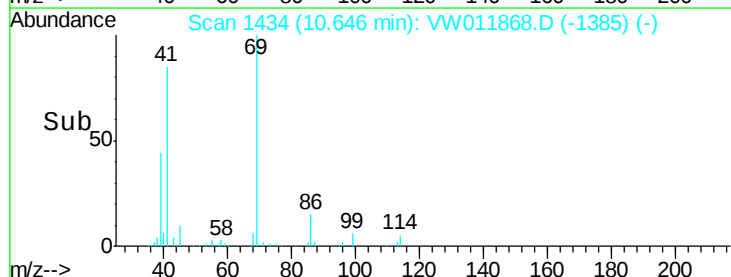
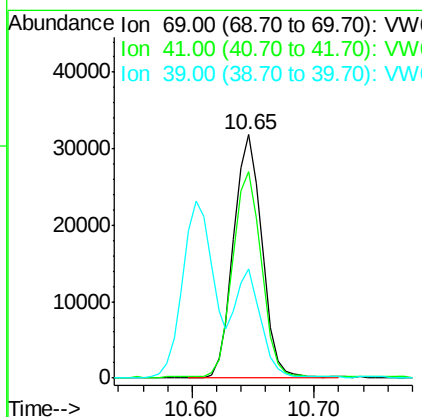
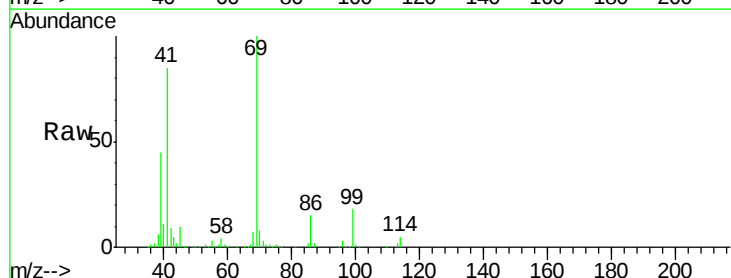
RT: 10.65 min Scan# 1434

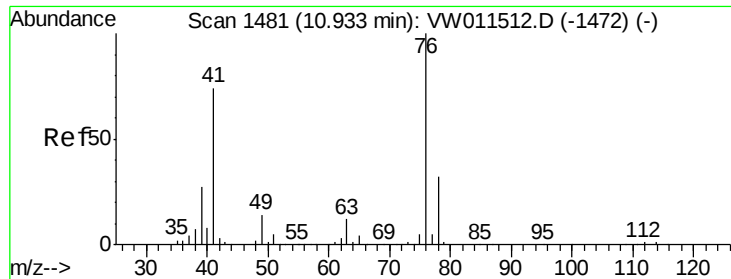
Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion:	69	Resp:	51166
Ion	Ratio	Lower	Upper
69	100		
41	86.2	66.6	99.8
39	40.1	30.3	45.5





#57

1,3-Dichloropropane

Concen: 21.123 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion: 76 Resp: 68443

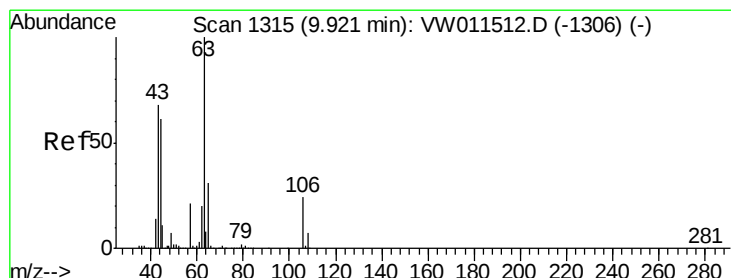
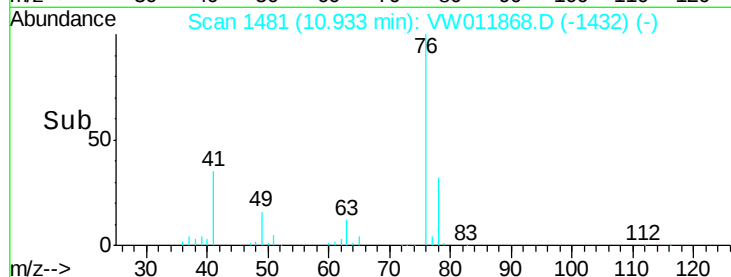
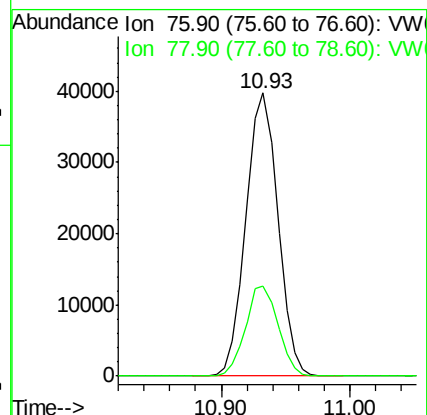
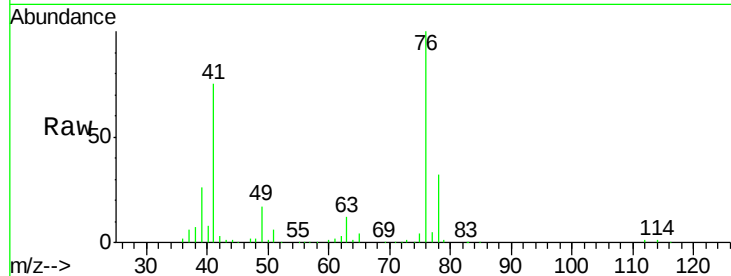
Ion Ratio Lower Upper

76 100

78 32.6 25.2 37.8

Manual Integrations
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8/13/2019 2:36:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 113.905 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW011868.D

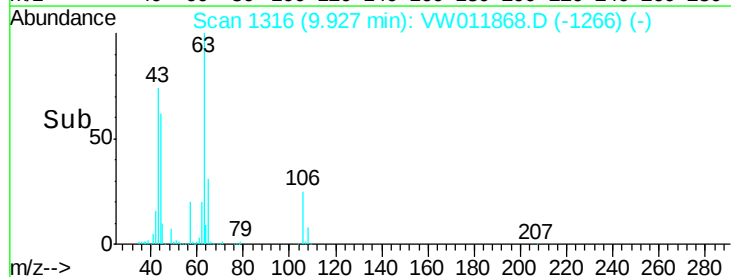
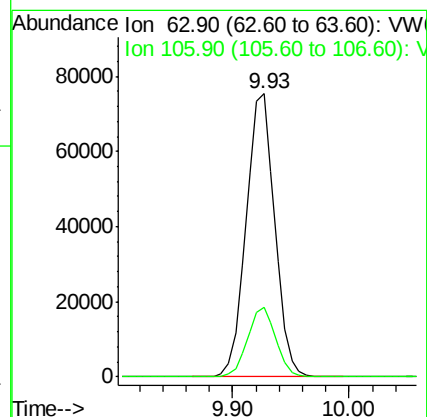
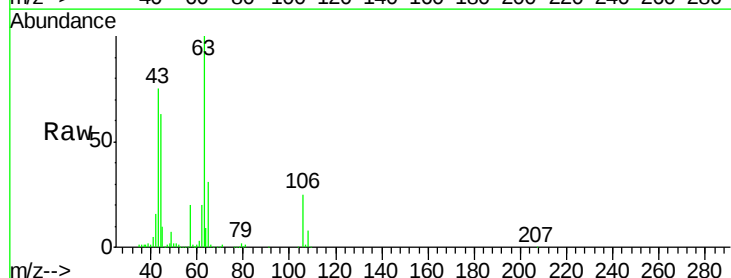
Acq: 12 Aug 2019 23:53

Tgt Ion: 63 Resp: 129615

Ion Ratio Lower Upper

63 100

106 24.1 19.7 29.5





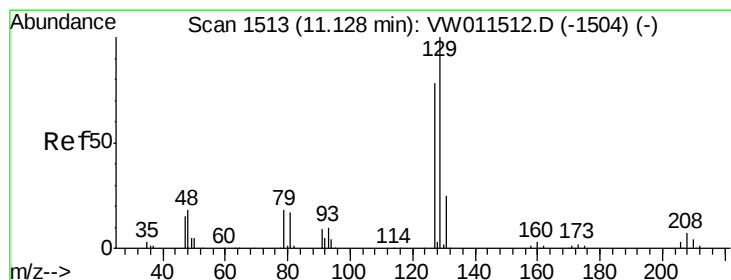
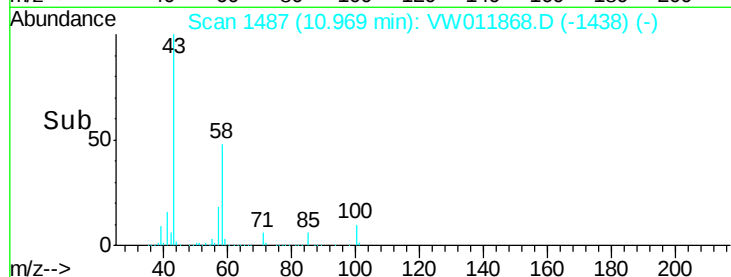
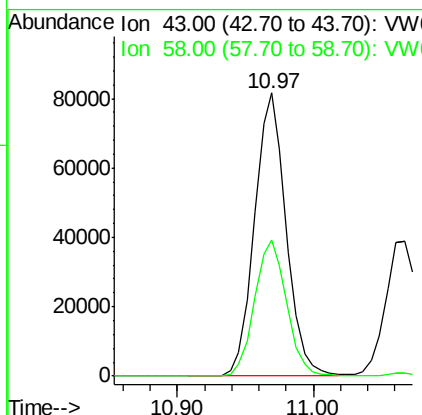
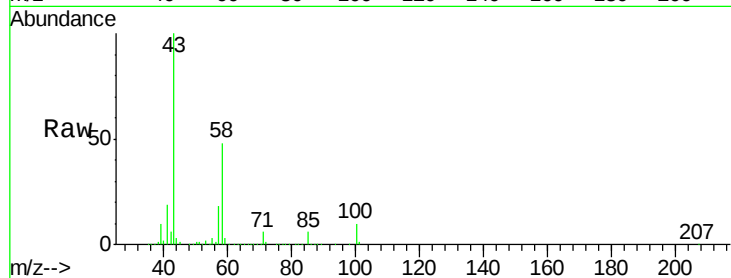
#59
2-Hexanone
Concen: 96.703 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion: 43 Resp: 132602
Ion Ratio Lower Upper
43 100
58 49.1 24.3 72.9

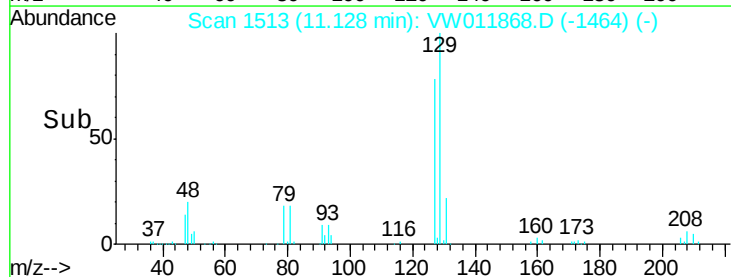
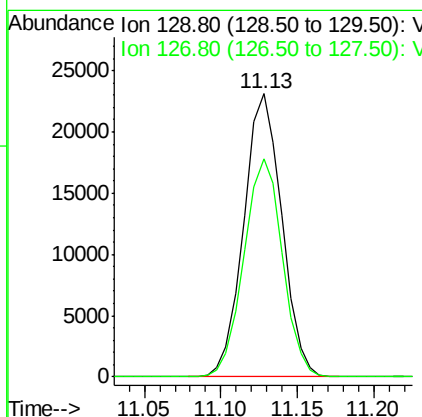
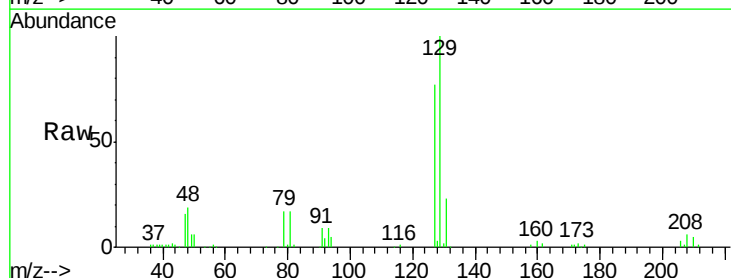
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#60
Dibromochloromethane
Concen: 21.028 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion: 129 Resp: 39976
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.296 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion: 107 Resp: 32895

Ion Ratio Lower Upper

107 100

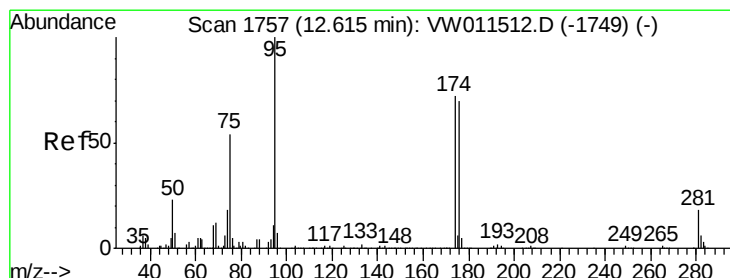
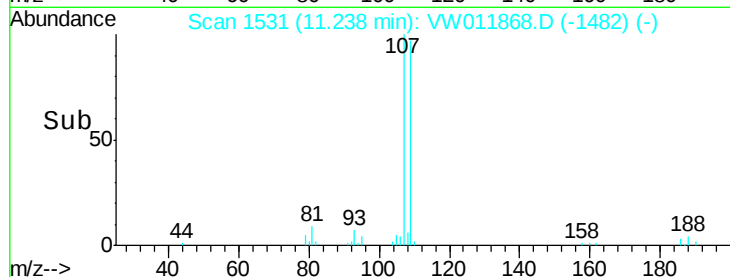
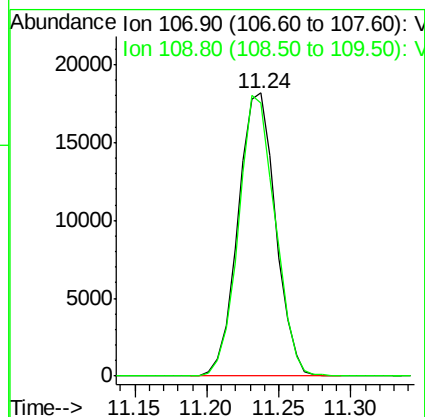
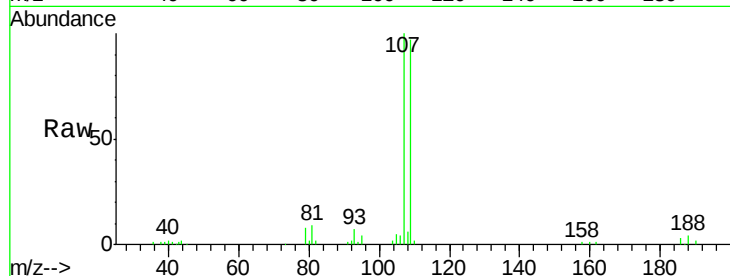
109 96.7 75.0 112.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 52.780 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

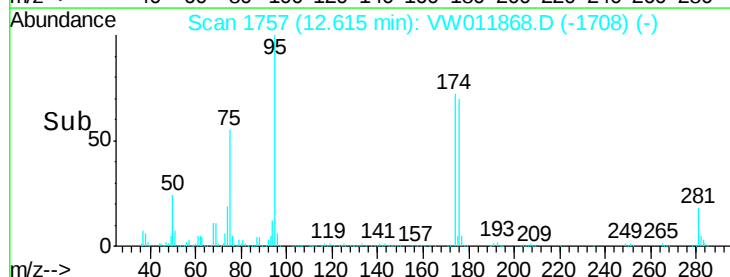
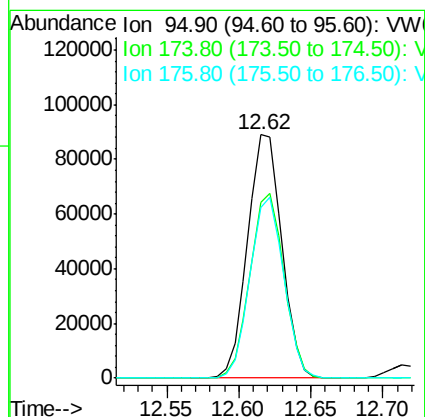
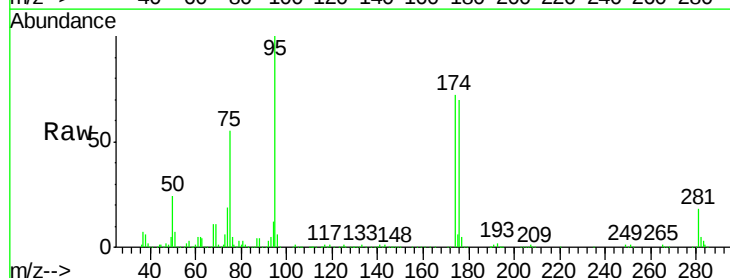
Tgt Ion: 95 Resp: 146682

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

176 73.0 0.0 144.4





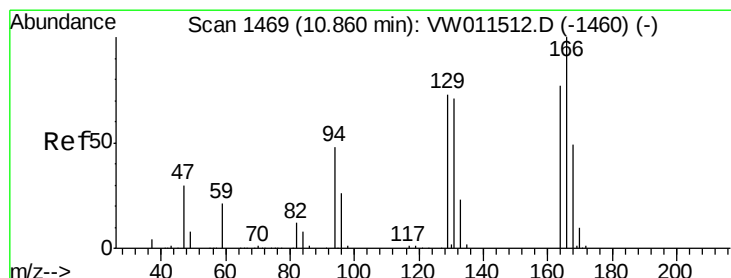
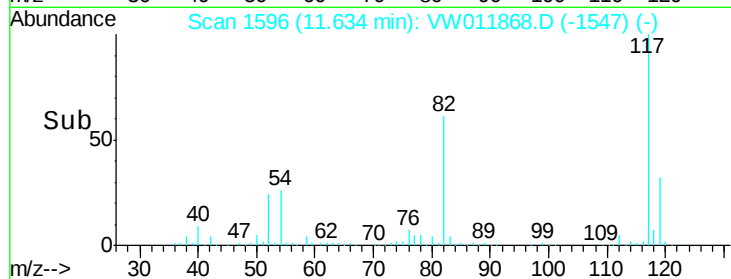
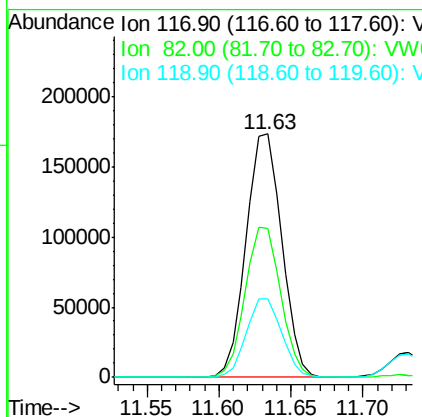
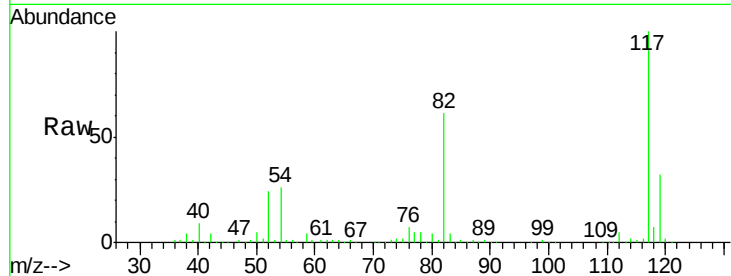
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298265		
82	61.0	47.9	71.9	
119	32.3	26.2	39.2	

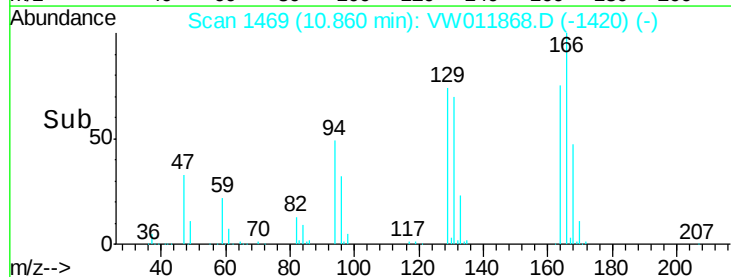
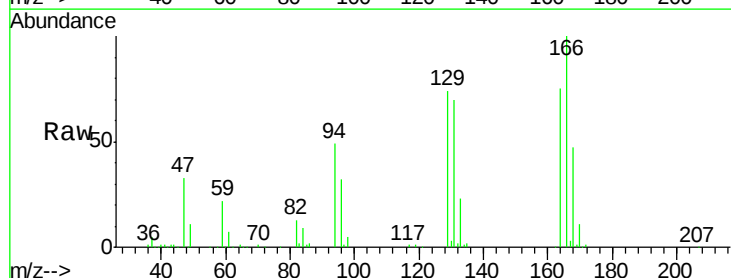
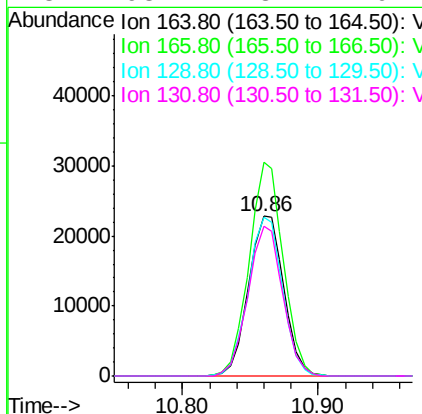
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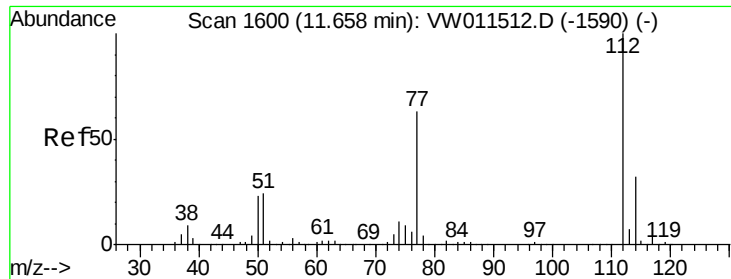
MMDadoda
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#64
Tetrachloroethene
Concen: 21.272 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41310		
166	133.6	103.5	155.3	
129	98.9	75.2	112.8	
131	93.7	73.4	110.2	





#65

Chlorobenzene

Concen: 21.050 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion:112 Resp: 126225

Ion Ratio Lower Upper

112 100

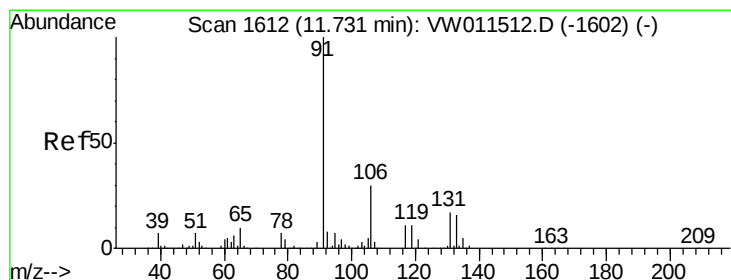
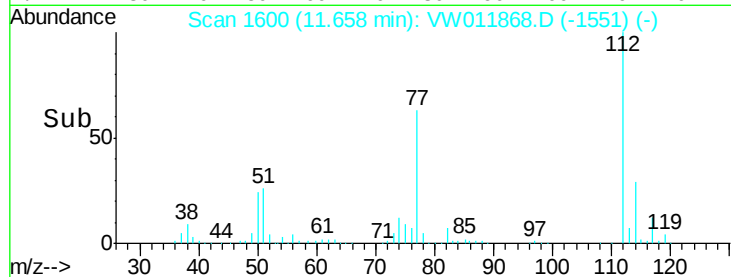
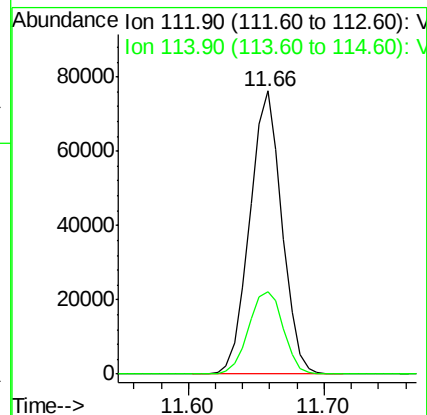
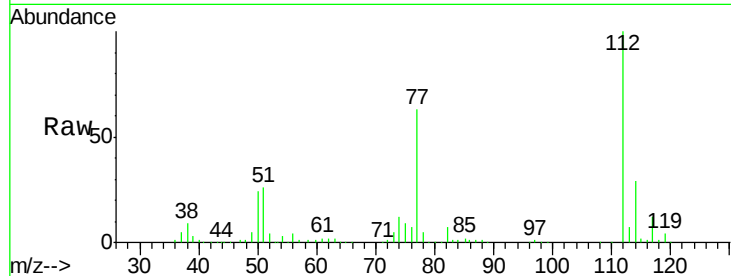
114 29.0 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.601 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

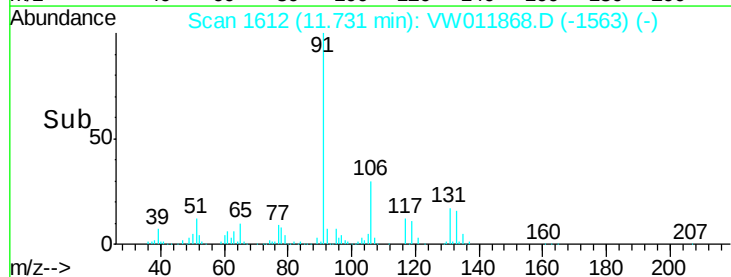
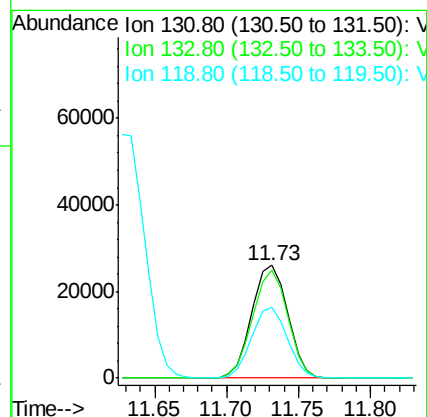
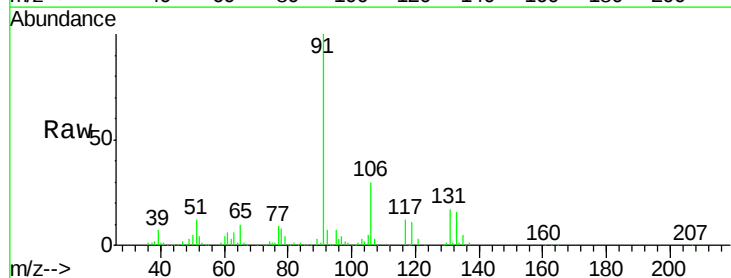
Tgt Ion:131 Resp: 45119

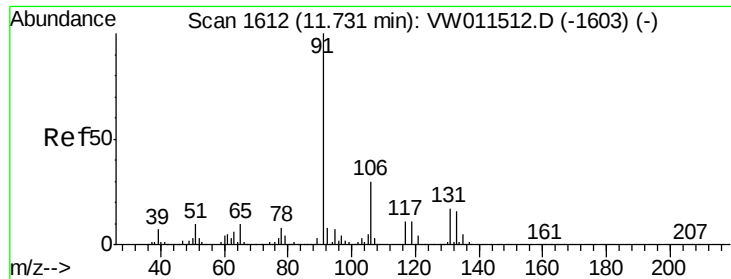
Ion Ratio Lower Upper

131 100

133 93.2 47.4 142.2

119 62.4 32.3 96.9





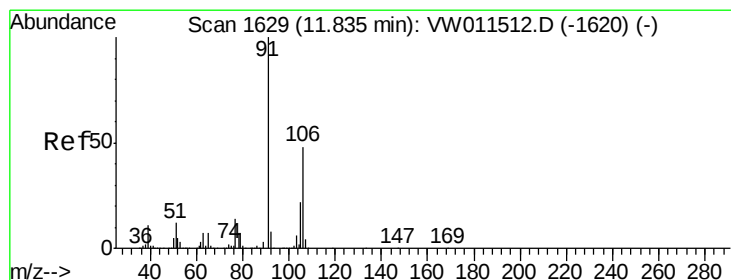
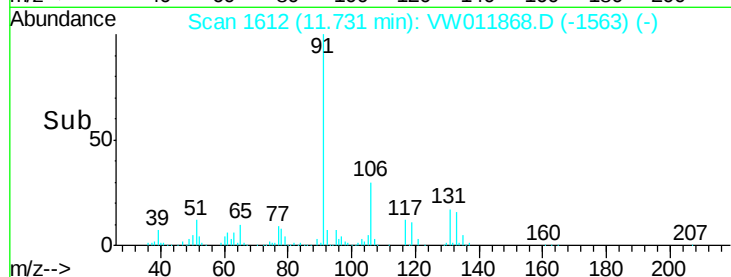
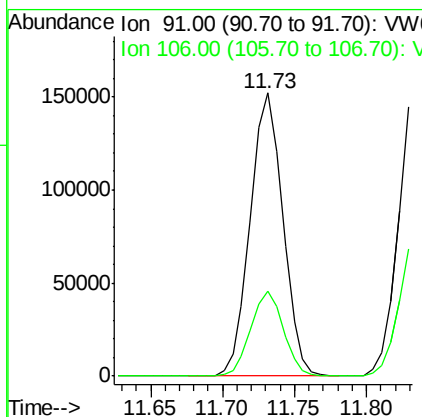
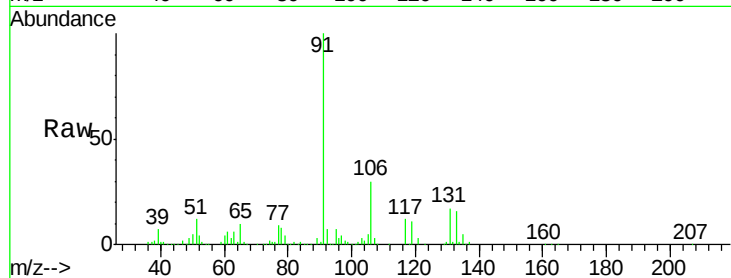
#67
Ethyl Benzene
Concen: 20.948 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.6

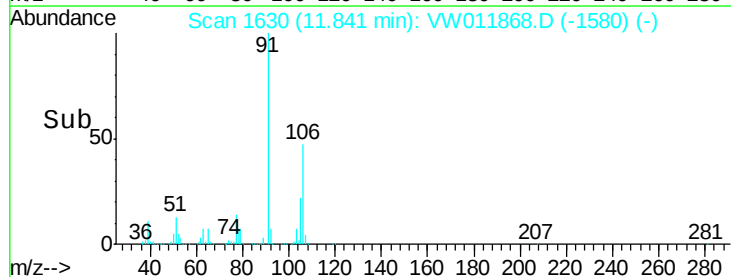
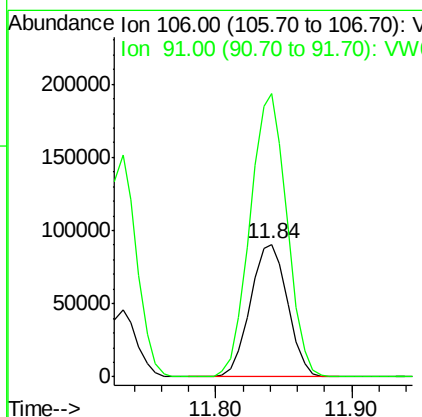
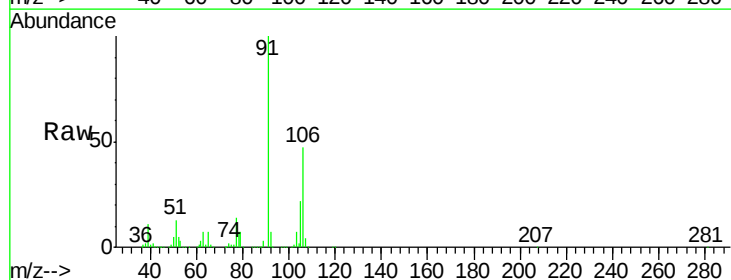
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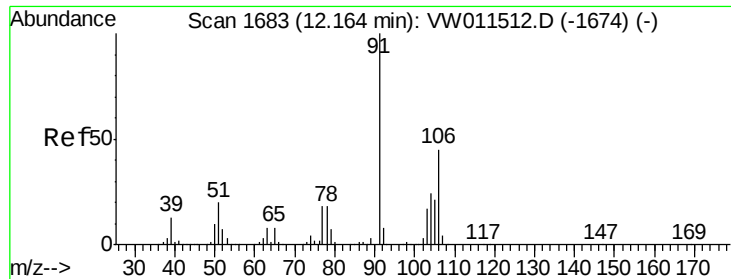
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#68
m/p-Xylenes
Concen: 41.949 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.0	168.2	252.2





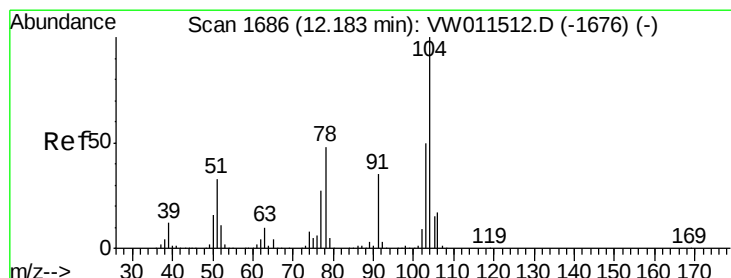
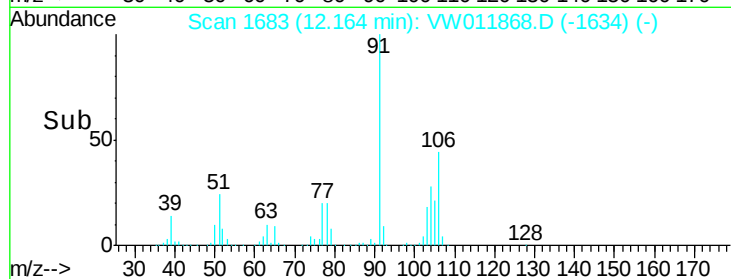
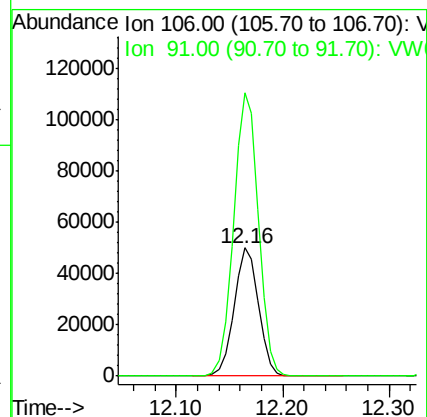
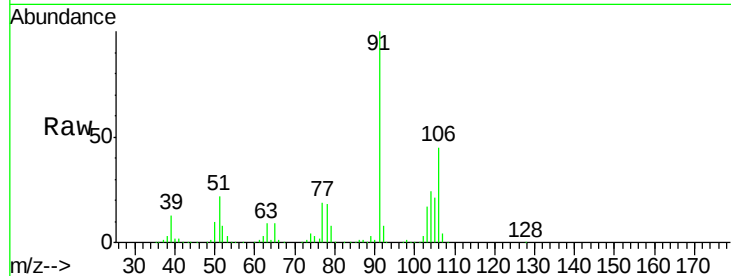
#69
o-Xylene
Concen: 20.788 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.9	110.5	331.5

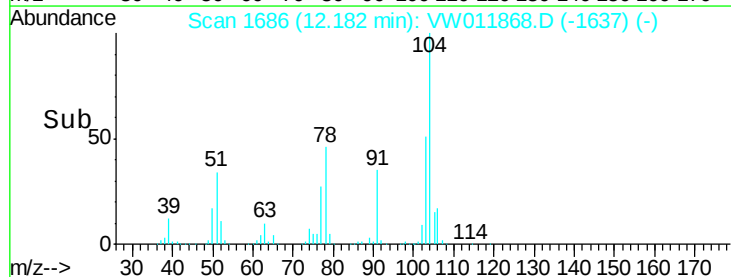
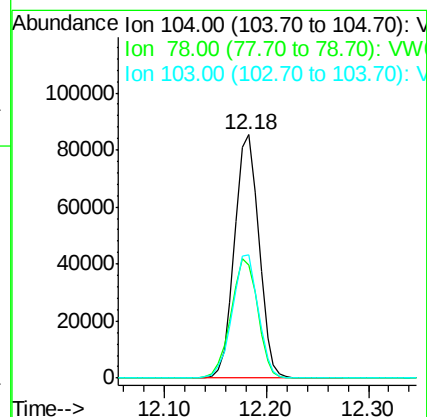
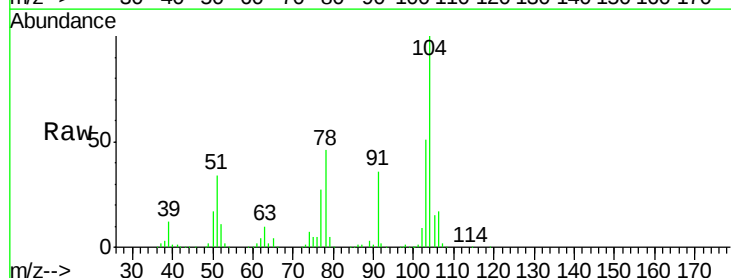
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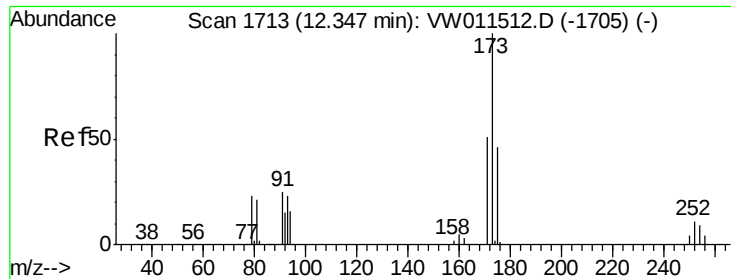
MMDadoda
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#70
Styrene
Concen: 21.139 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.4	65.0
103	53.9	43.9	65.9





#71

Bromoform

Concen: 20.688 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

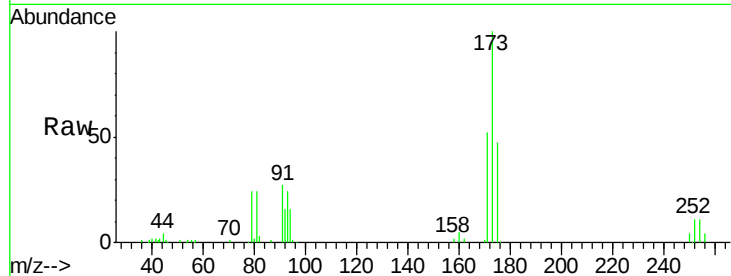
ClientSampleId :

VW0812SBSD03

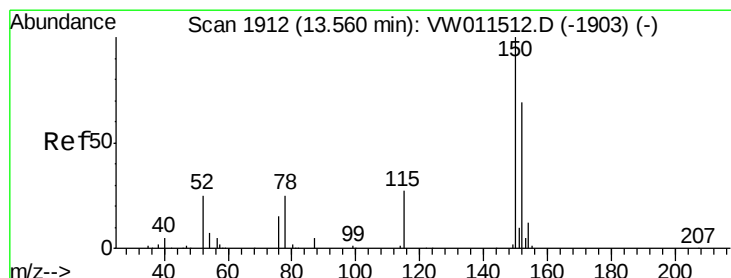
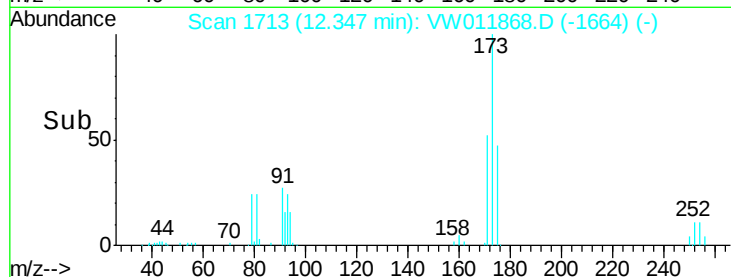
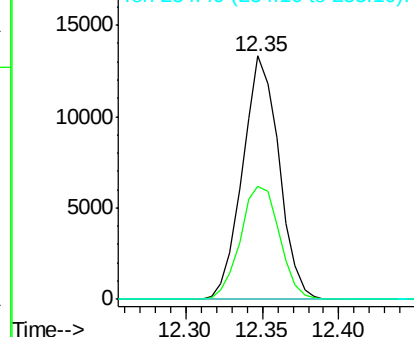
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.6	71.0
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

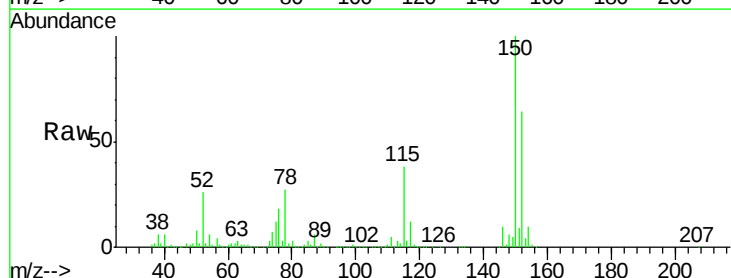
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

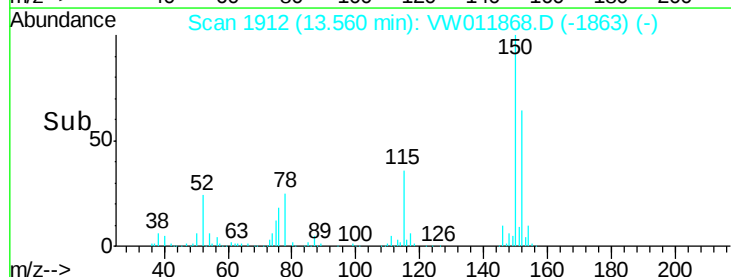
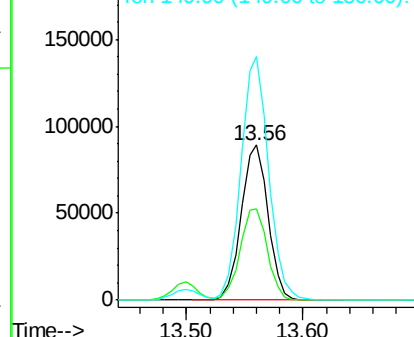
Lab File: VW011868.D

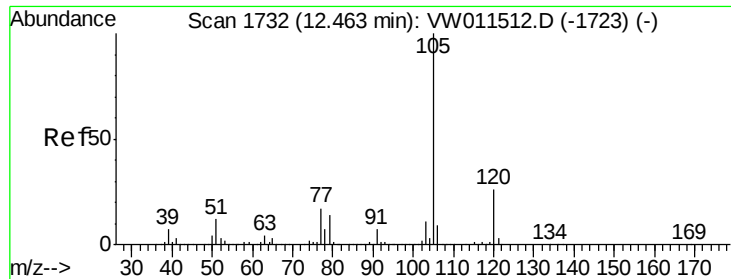
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.5	91.5
150	162.2	0.0	352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.712 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS03

Tot Ion: 105 Resp: 220736

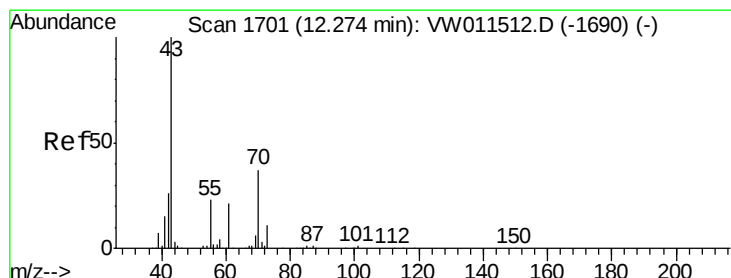
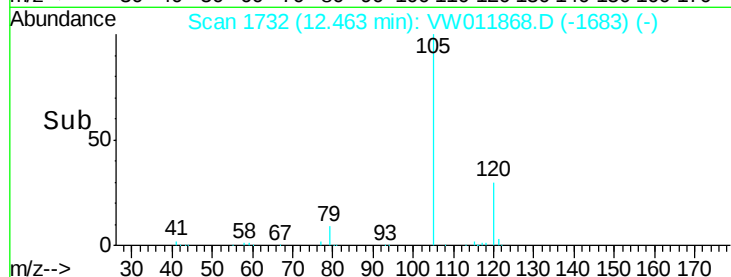
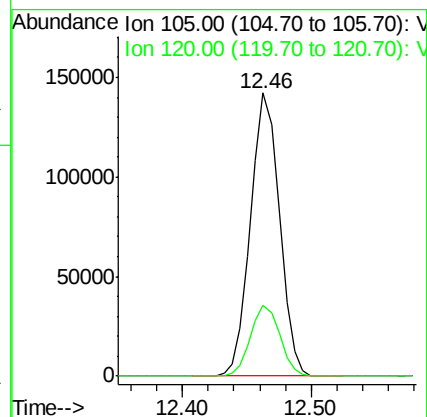
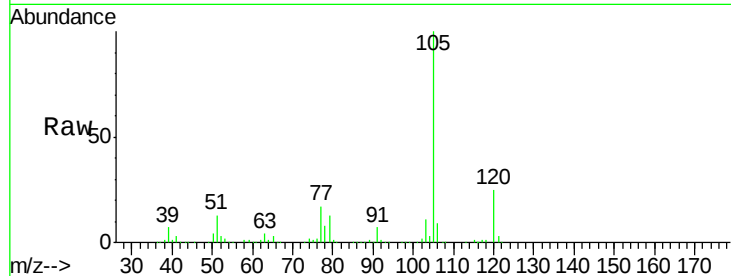
Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7

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#74

N-ethyl acetate

Concen: 19.878 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion: 43 Resp: 66323

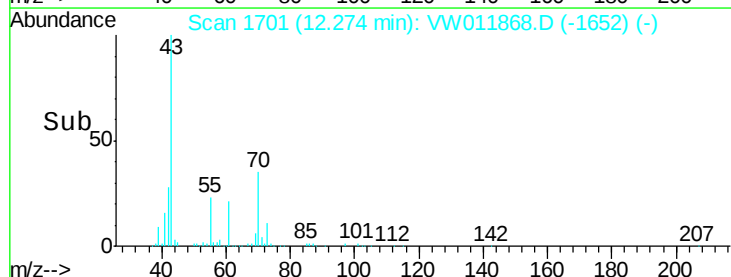
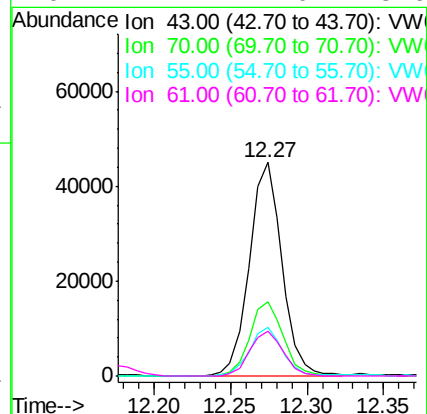
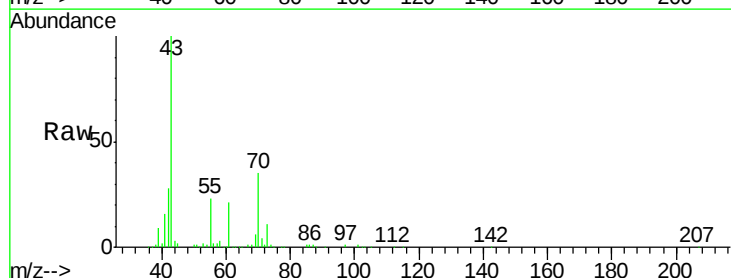
Ion Ratio Lower Upper

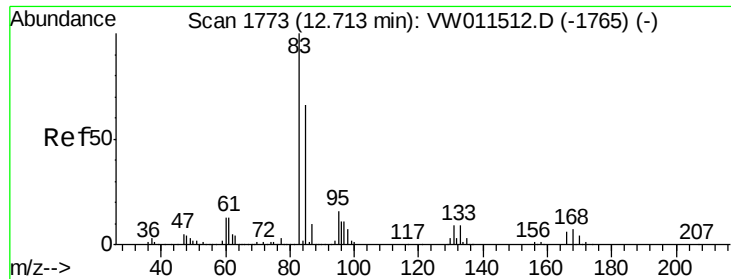
43 100

70 35.7 28.6 43.0

55 23.4 17.8 26.8

61 21.7 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.866 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

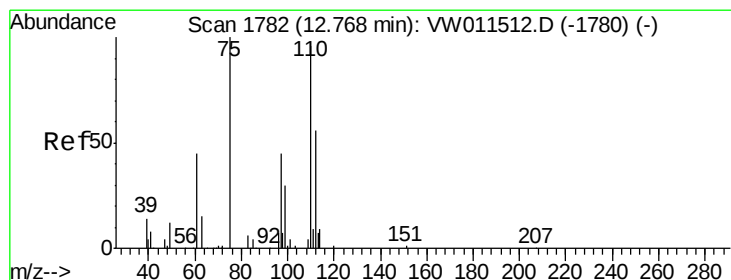
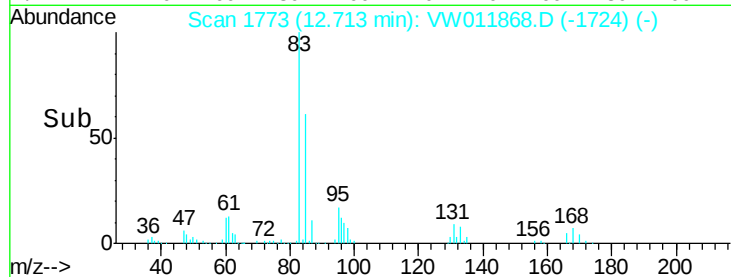
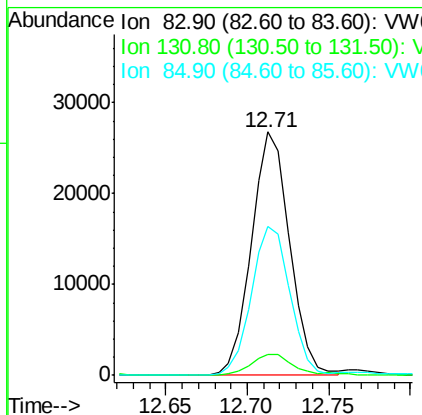
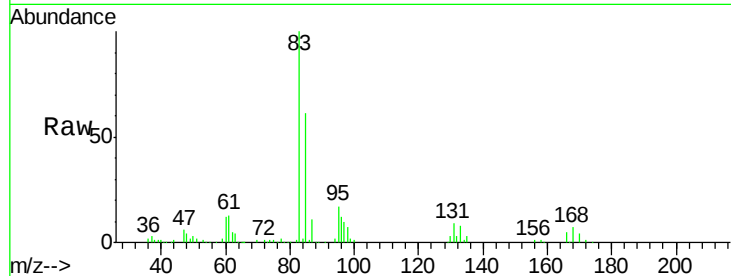
ClientSampleId :

VW0812SBSD03

Tot Ion:	83	Resp:	43833
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	62.0	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 20.139 ug/l m

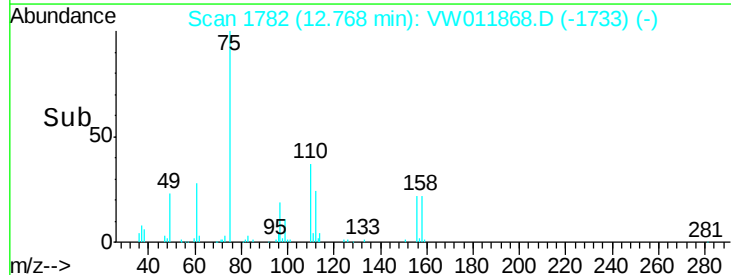
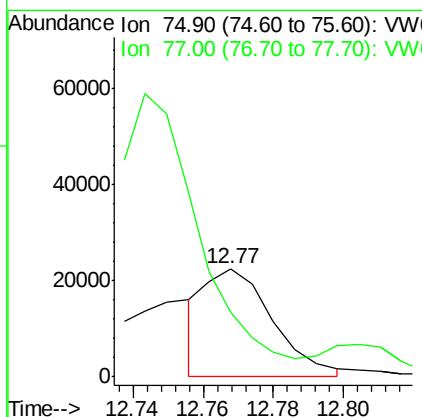
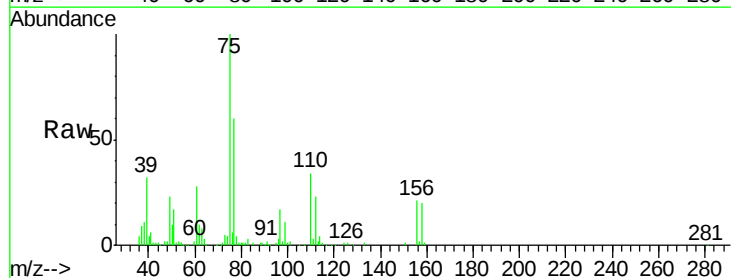
RT: 12.77 min Scan# 1782

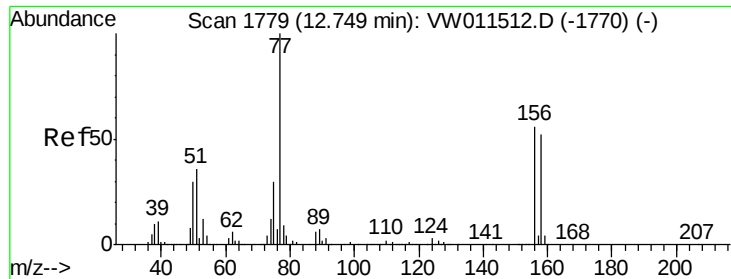
Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion:	75	Resp:	30442
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.185 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

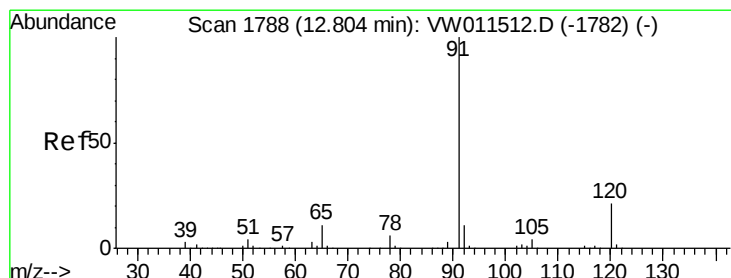
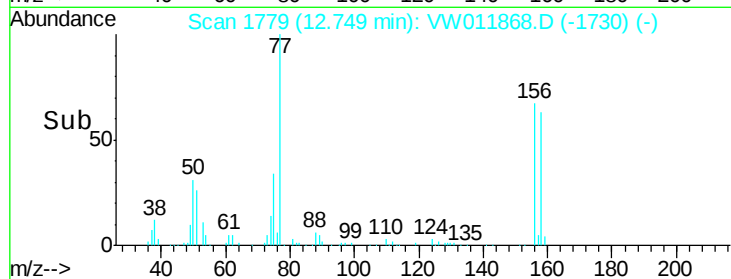
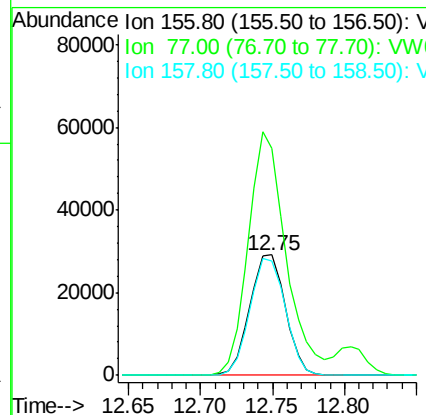
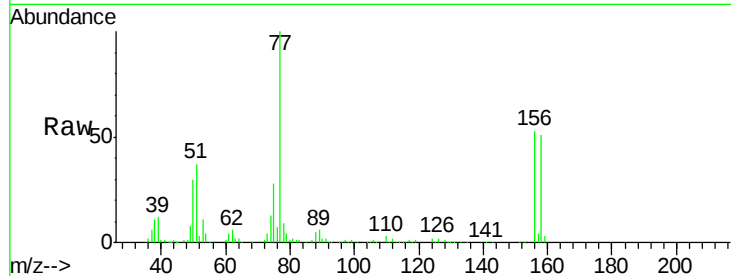
ClientSampleId :

VW0812SBSD03

Tot Ion:	156	Resp:	49904
Ion Ratio	Lower	Upper	
156	100		
77	213.0	106.5	319.4
158	96.8	48.0	144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.814 ug/l

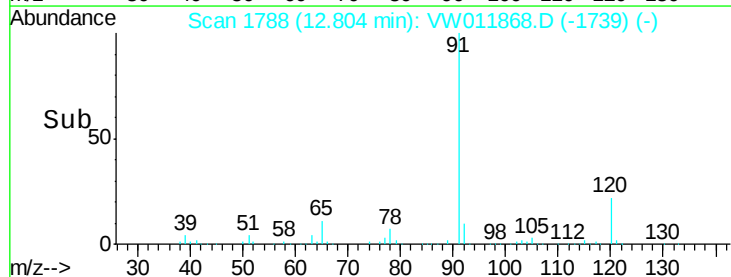
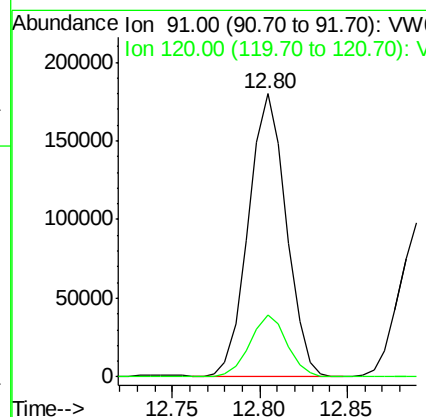
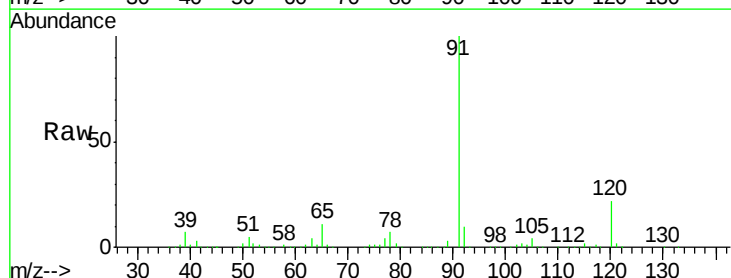
RT: 12.80 min Scan# 1788

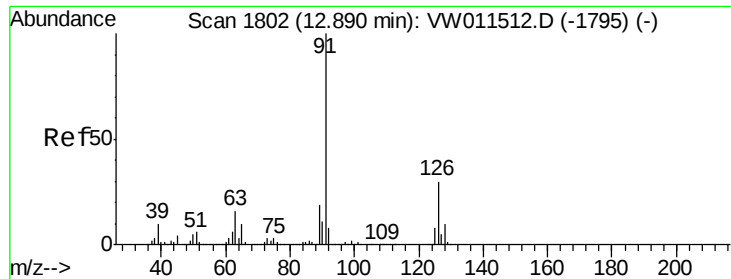
Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion:	91	Resp:	269956
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 21.292 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD03

Tot Ion: 91 Resp: 159091

Ion Ratio Lower Upper

91 100

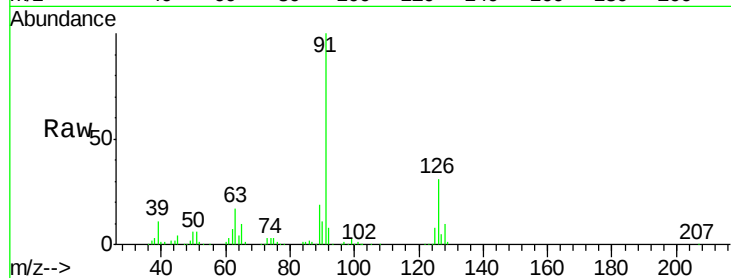
126 30.7 15.7 47.1

Manual Integrations

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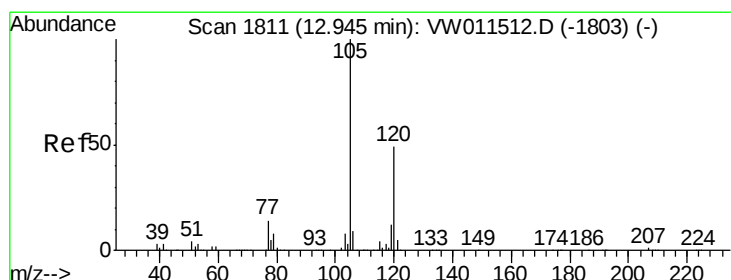
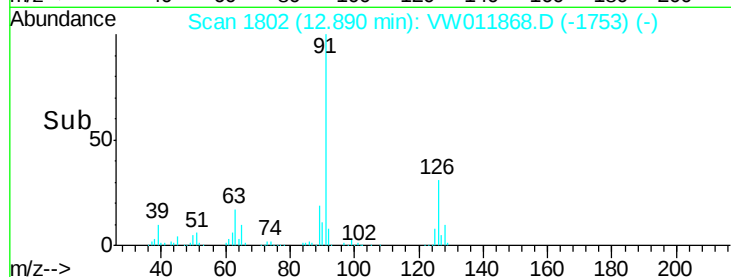
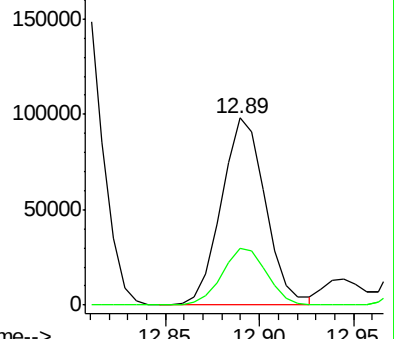
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.331 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011868.D

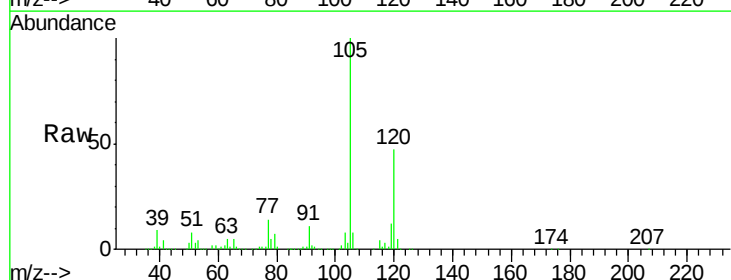
Acq: 12 Aug 2019 23:53

Tgt Ion:105 Resp: 190562

Ion Ratio Lower Upper

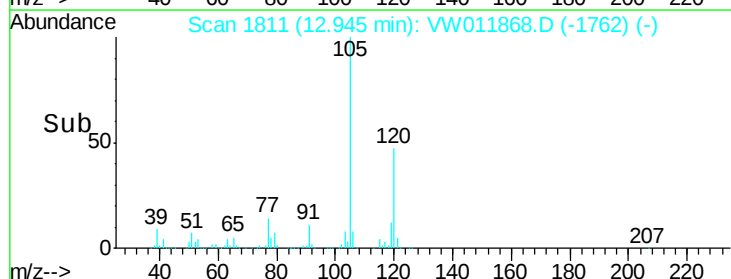
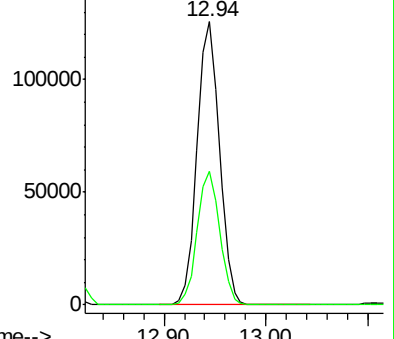
105 100

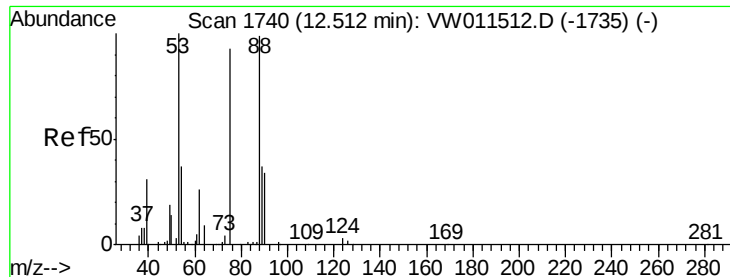
120 47.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





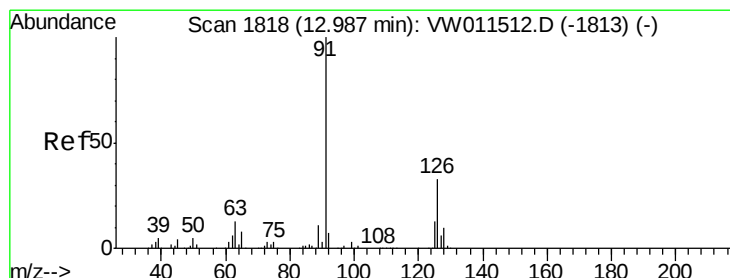
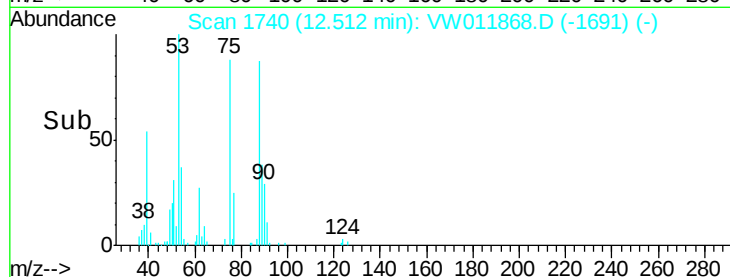
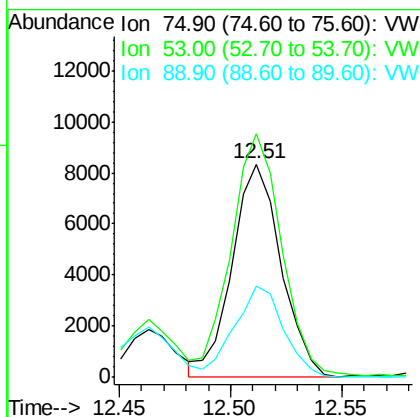
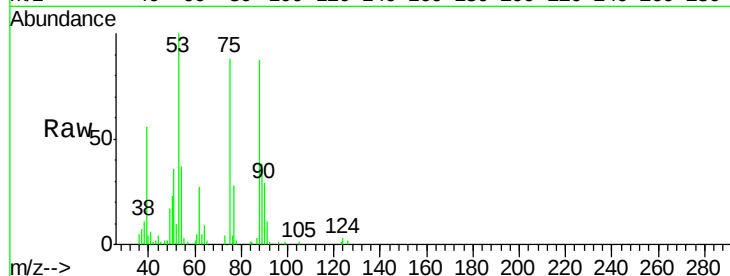
#81
trans-1,4-Dichloro-2-butene
Concen: 19.472 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.0	88.0	132.0
89	43.1	35.3	52.9

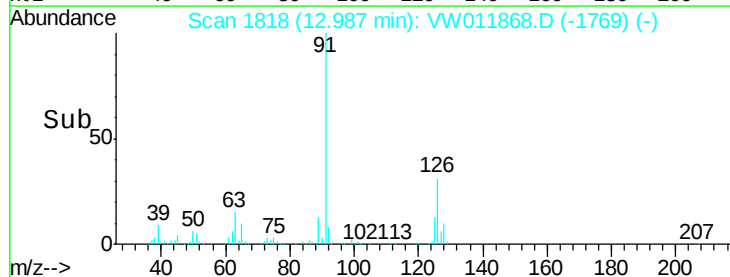
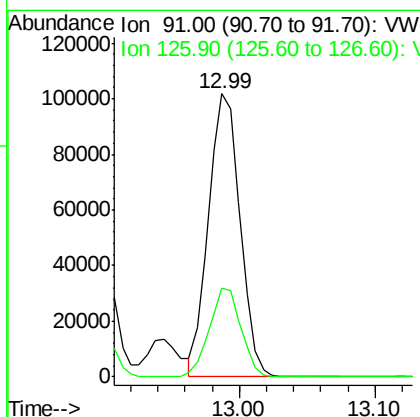
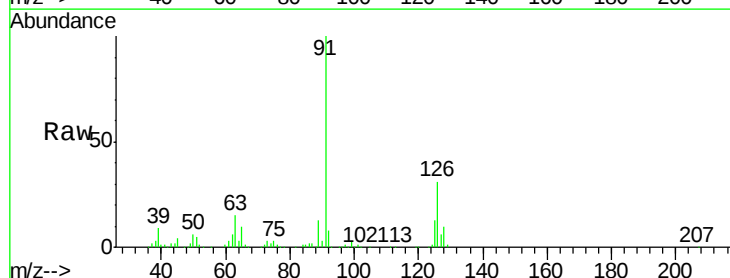
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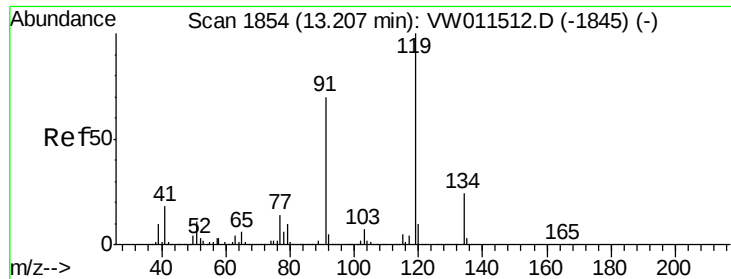
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#82
4-Chlorotoluene
Concen: 20.852 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.8





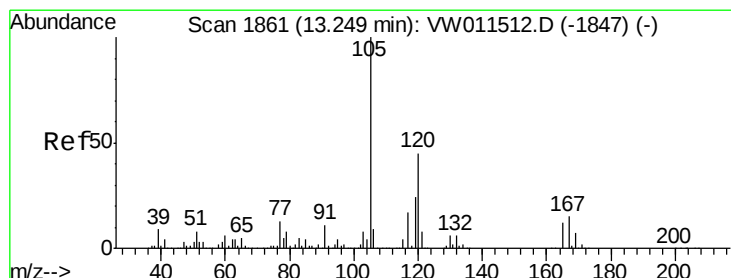
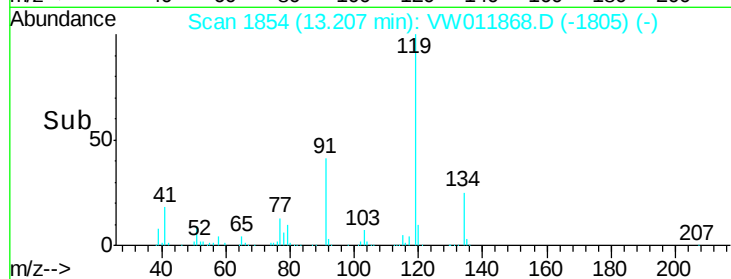
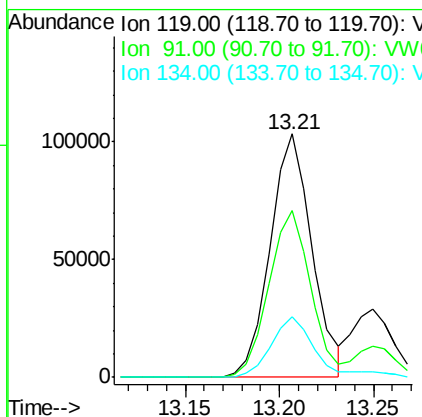
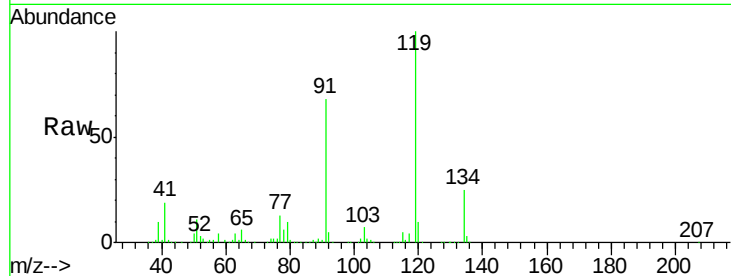
#83
tert-Butylbenzene
Concen: 21.295 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.5	103.6
134	24.7	12.4	37.4

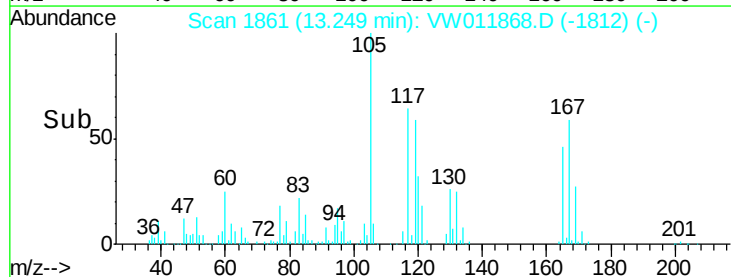
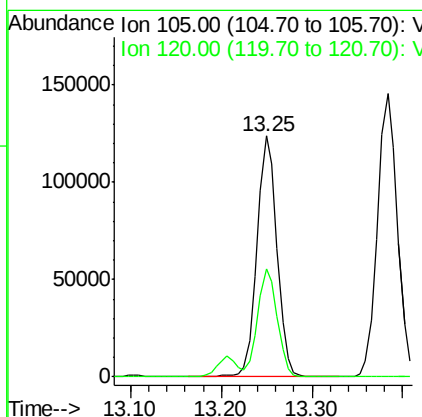
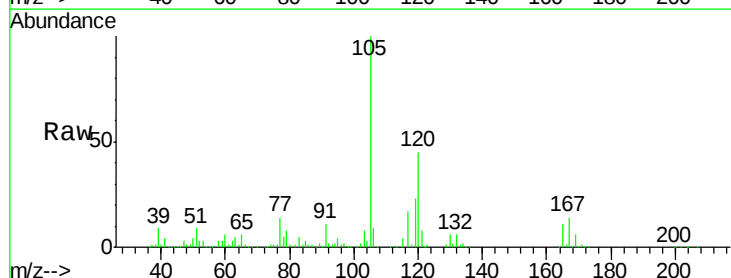
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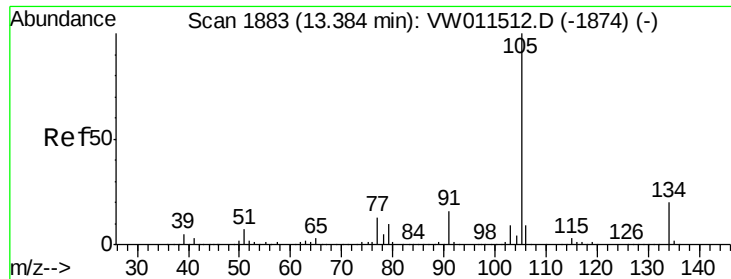
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#84
1,2,4-Trimethylbenzene
Concen: 20.983 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.5





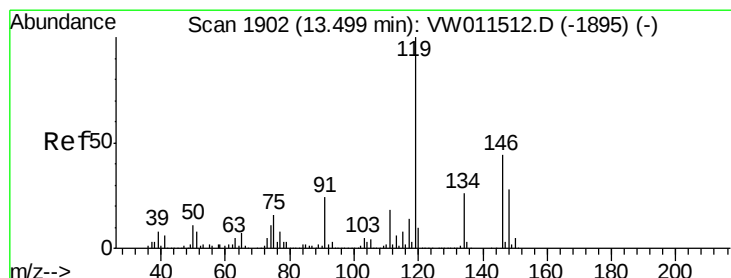
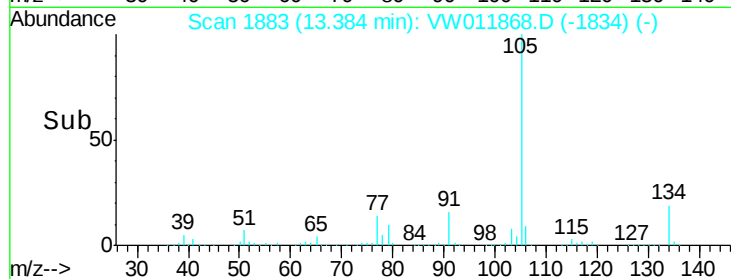
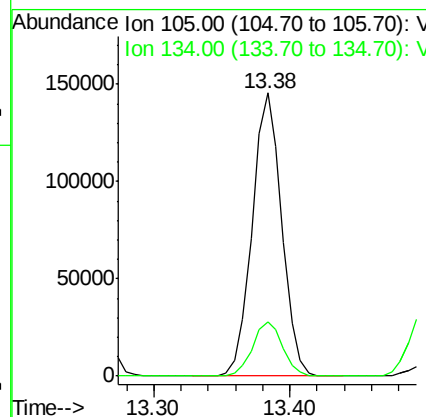
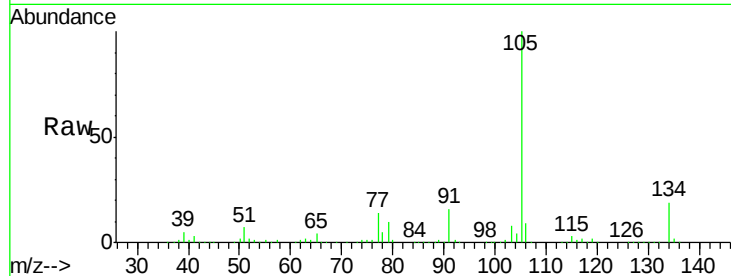
#85
 sec-Butylbenzene
 Concen: 20.759 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

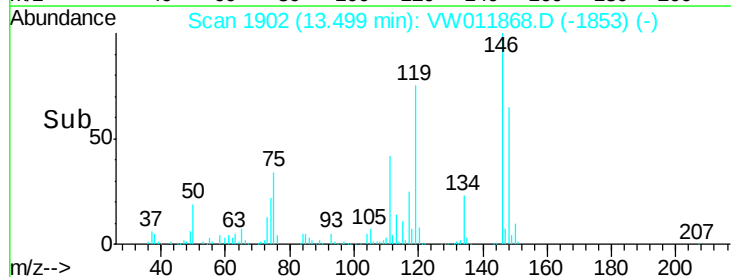
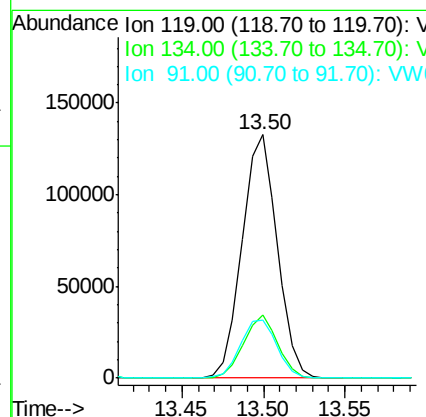
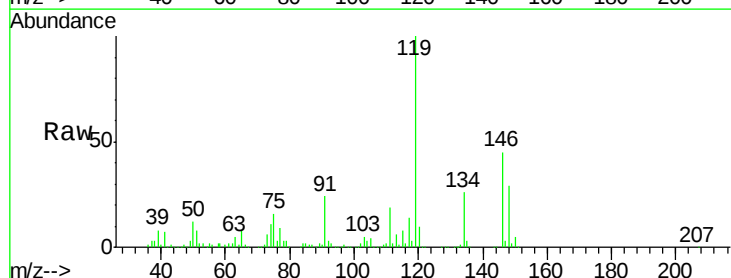
Manual Integrations
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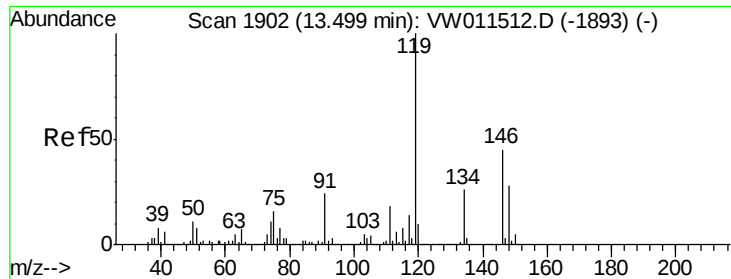
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#86
 p-Isopropyltoluene
 Concen: 20.562 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.8	38.4
91	24.6	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 20.828 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

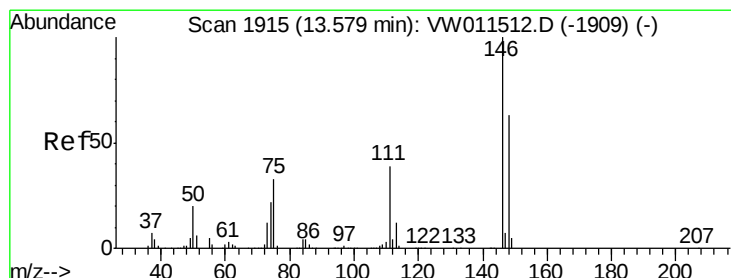
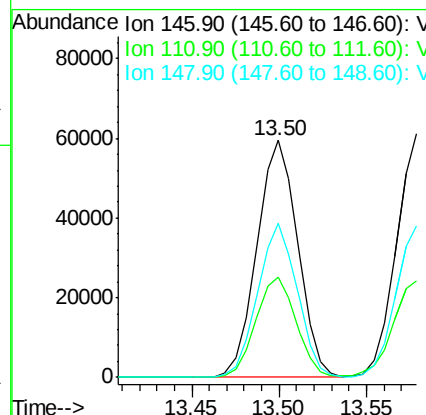
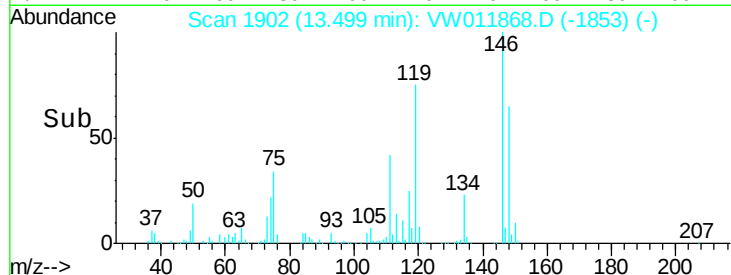
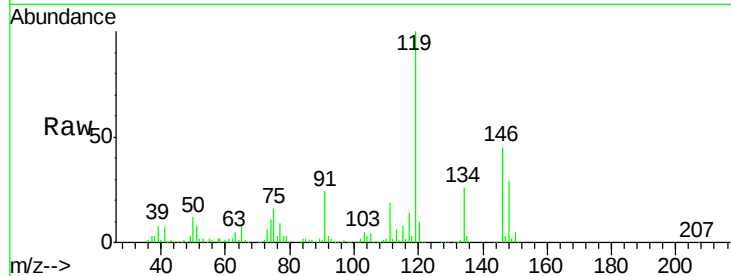
ClientSampleId :

VW0812SBSD03

Tot Ion:	146	Resp:	96198
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.5	61.6
148	63.2	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.434 ug/l

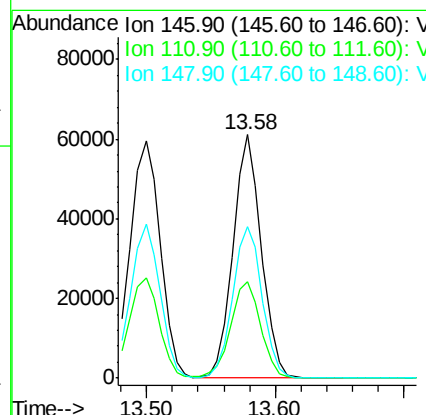
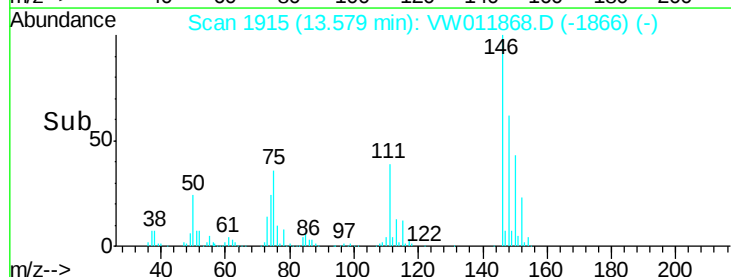
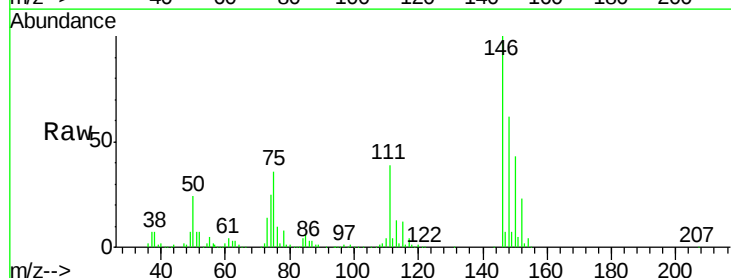
RT: 13.58 min Scan# 1915

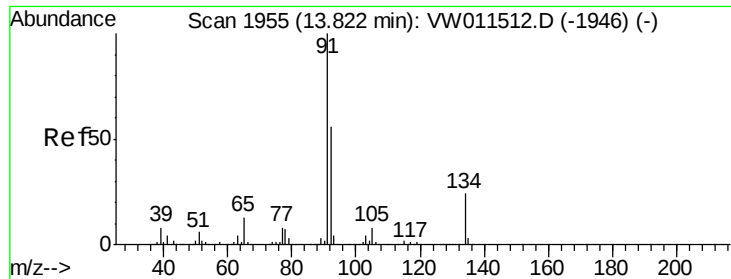
Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion:	146	Resp:	93886
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.1	60.2
148	64.8	31.9	95.9





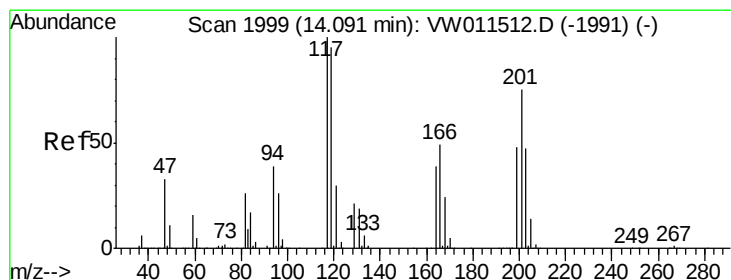
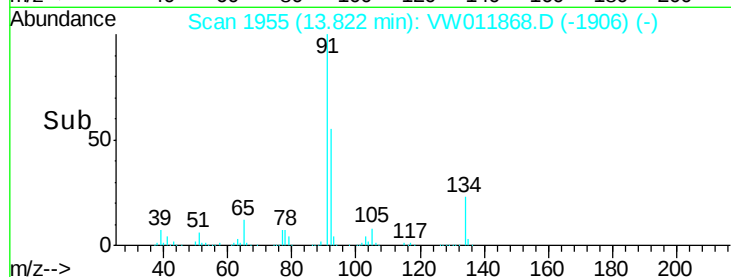
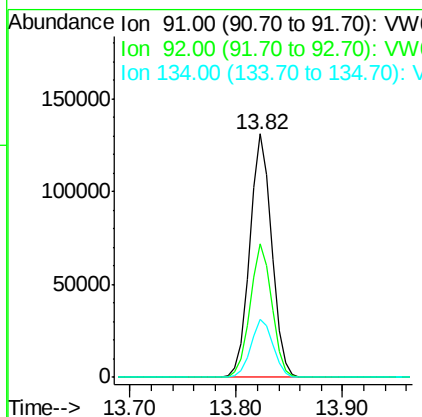
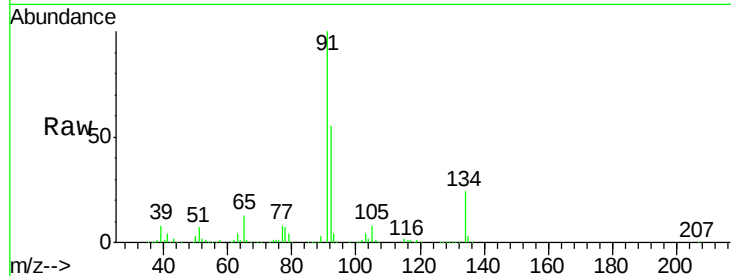
#89
n-Butylbenzene
Concen: 19.691 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	190055		
92	54.2		27.5	82.4
134	24.1		12.2	36.6

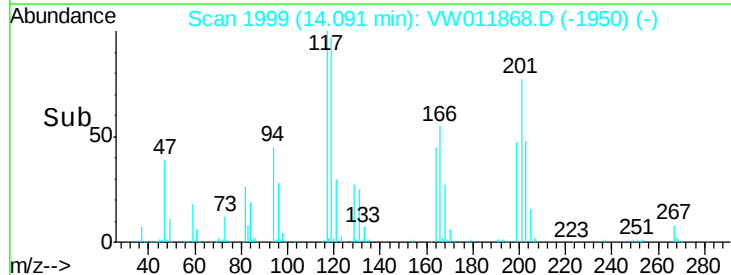
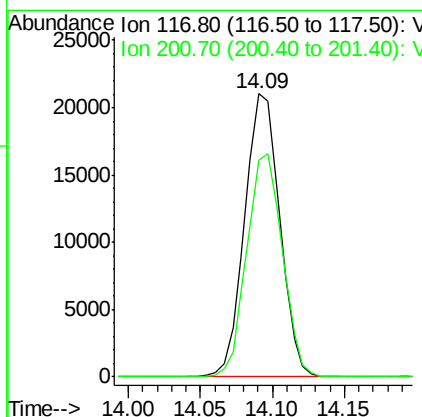
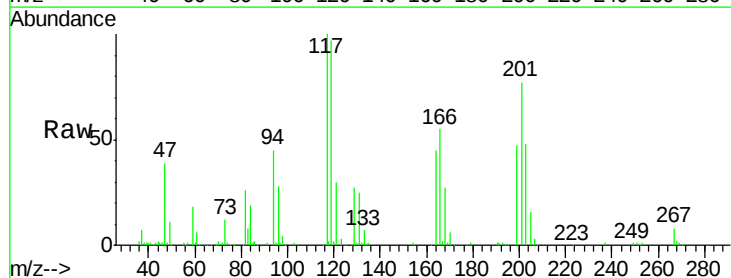
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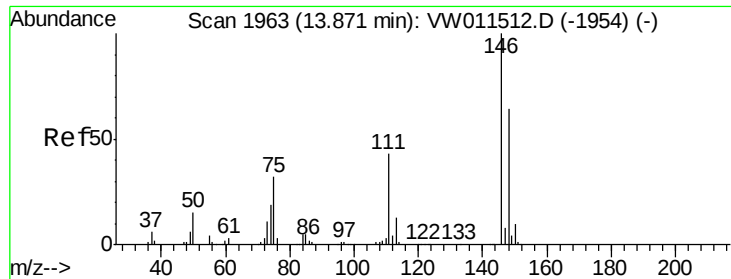
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#90
Hexachloroethane
Concen: 20.700 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35401		
201	79.9		39.4	118.2





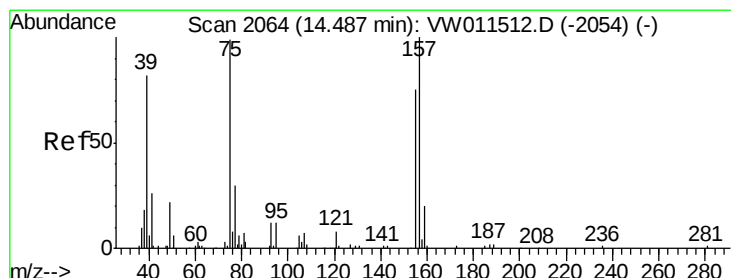
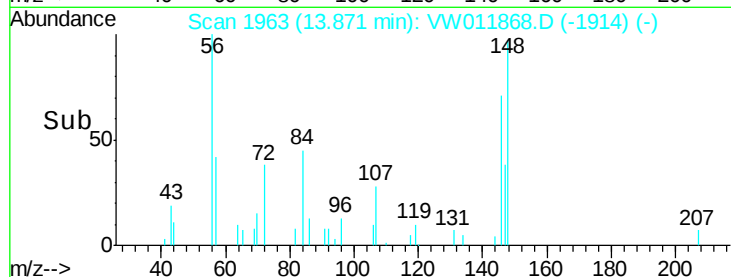
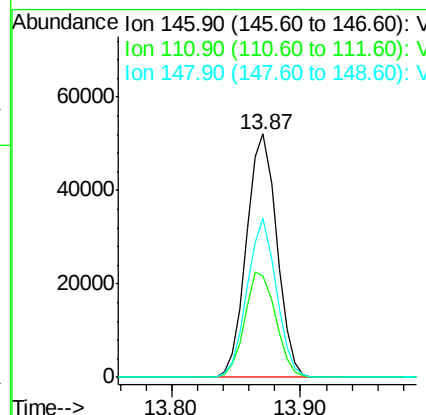
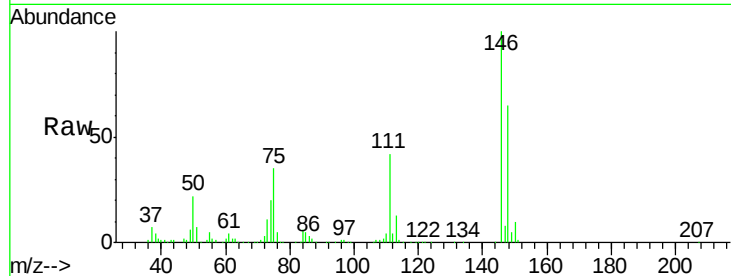
#91
 1,2-Dichlorobenzene
 Concen: 20.745 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	65.0
148	62.9	32.0	96.2

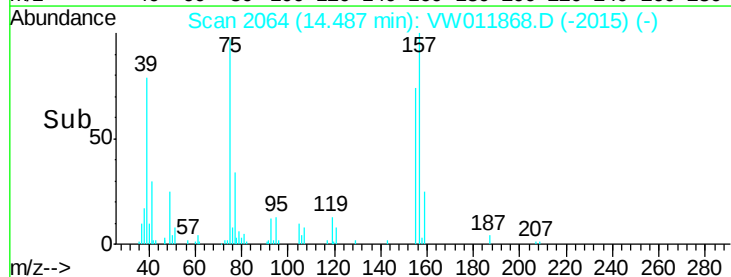
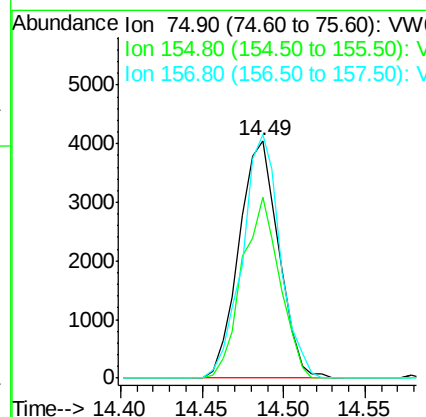
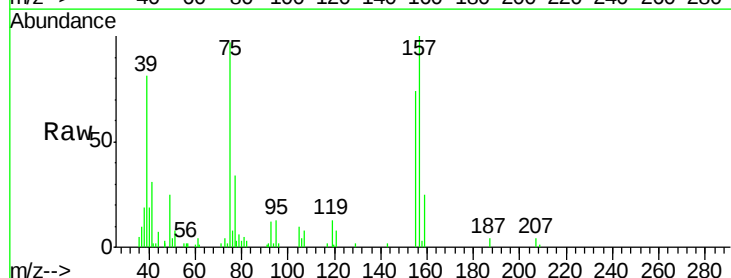
Manual Integrations
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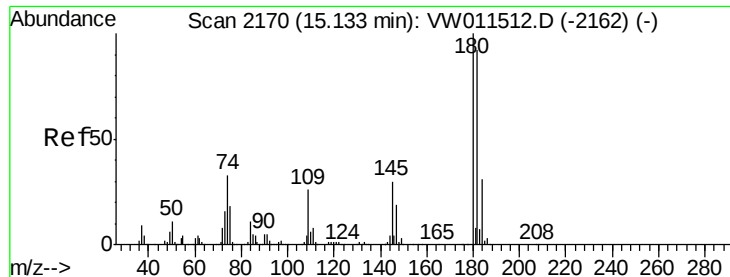
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.071 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	38.2	114.6
157	97.7	48.9	146.7





#93

1,2,4-Trichlorobenzene

Concen: 18.924 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

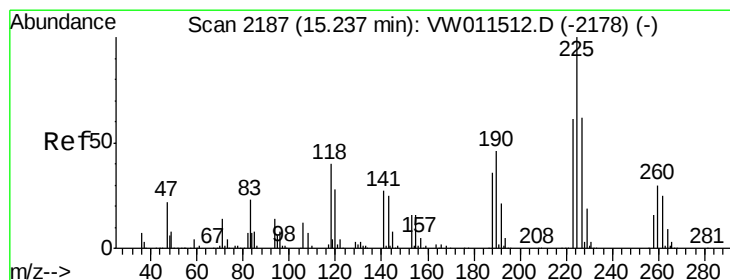
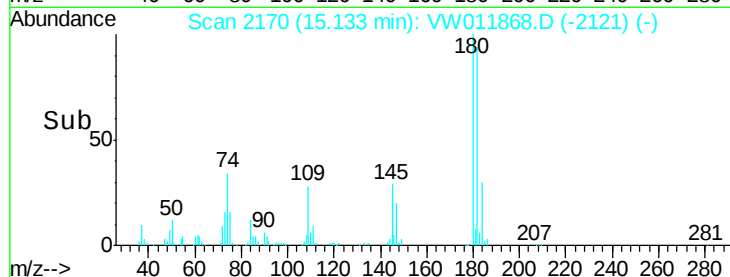
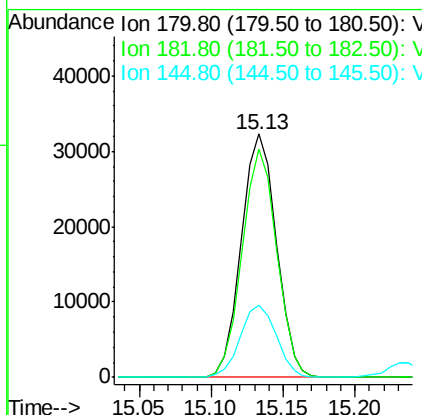
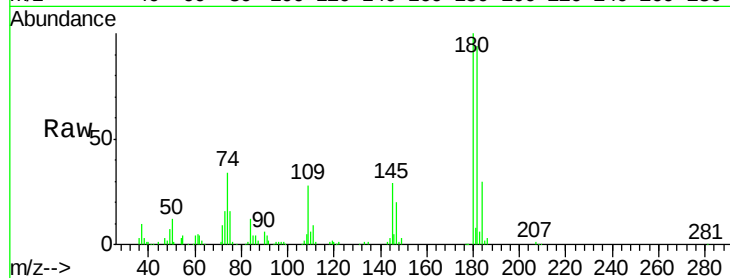
ClientSampleId :

VW0812SBSD03

Tot Ion:	180	Resp:	54483
Ion Ratio	Lower	Upper	
180	100		
182	92.6	47.4	142.2
145	30.5	15.4	46.1

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 19.398 ug/l

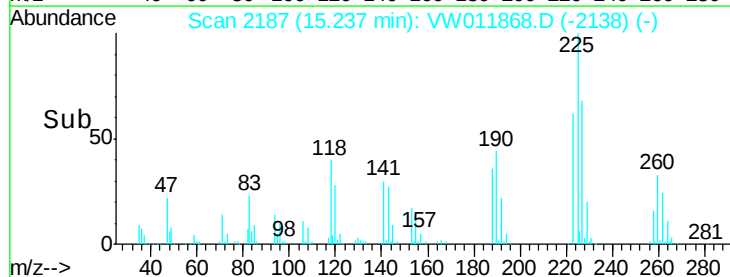
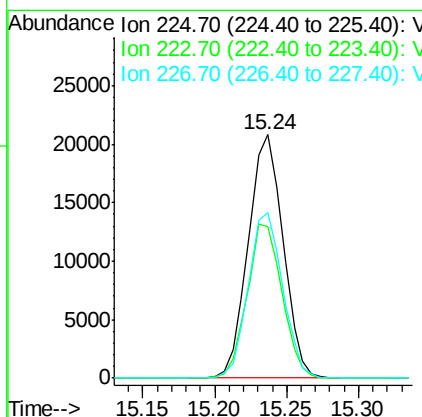
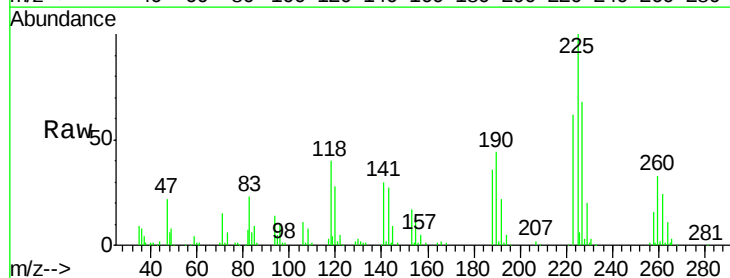
RT: 15.24 min Scan# 2187

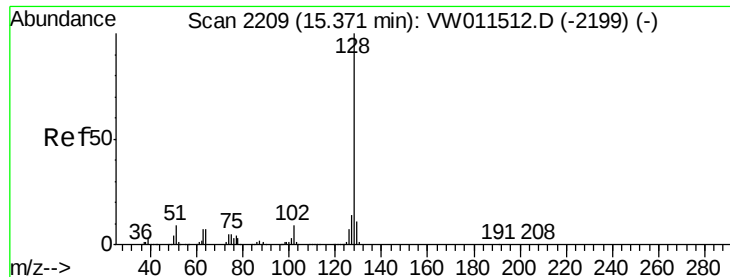
Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion:	225	Resp:	34827
Ion Ratio	Lower	Upper	
225	100		
223	63.2	30.8	92.3
227	67.1	31.6	94.7





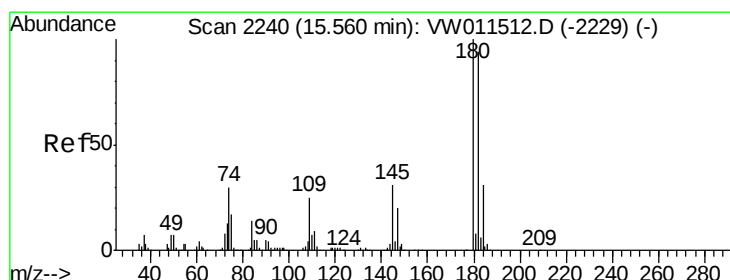
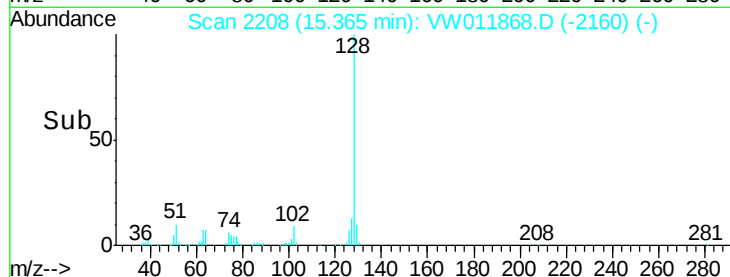
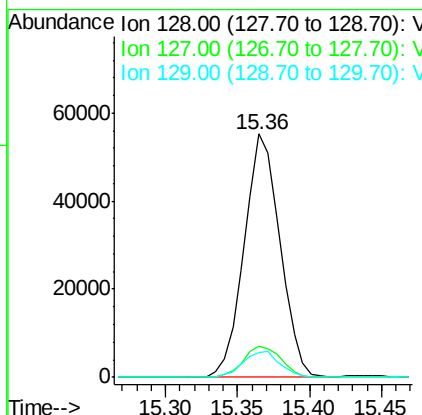
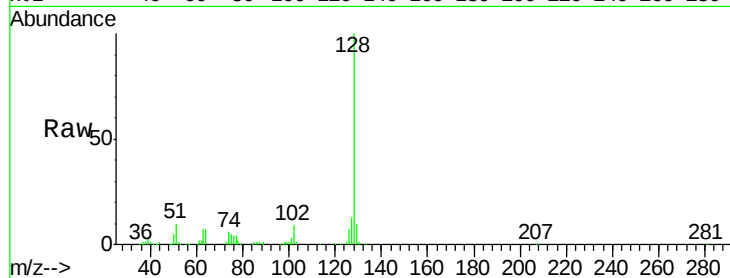
#95
Naphthalene
Concen: 18.266 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD03

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/13/2019 2:36:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.801 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	33.0	15.9	47.7

