

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080319\
 Data File : VW011654.D
 Acq On : 03 Aug 2019 07:18
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 9:20:09 AM

Quant Time: Aug 04 01:21:21 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	217040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134236	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
35) Dibromofluoromethane	7.88	113	104520	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.32	98	417765	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.62	95	152193	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	56013	46.307	ug/l	100
3) Chloromethane	2.21	50	93229	44.448	ug/l	97
4) Vinyl Chloride	2.36	62	113199	44.828	ug/l	98
5) Bromomethane	2.75	94	56970	40.759	ug/l	98
6) Chloroethane	2.90	64	65988	45.748	ug/l	99
7) Trichlorofluoromethane	3.25	101	50074	44.370	ug/l	94
8) Diethyl Ether	3.68	74	70887	55.400	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	100779	47.075	ug/l	99
10) Methyl Iodide	4.27	142	155959	51.550	ug/l	100
11) Tert butyl alcohol	5.18	59	49433	270.207	ug/l	98
12) 1,1-Dichloroethene	4.04	96	108220	47.877	ug/l	99
13) Acrolein	3.89	56	58549	327.410	ug/l	97
14) Allyl chloride	4.66	41	238695	49.650	ug/l	99
15) Acrylonitrile	5.36	53	187460	293.483	ug/l	99
16) Acetone	4.12	43	148905	187.829	ug/l	96
17) Carbon Disulfide	4.38	76	325834	46.057	ug/l	98
18) Methyl Acetate	4.67	43	122721	68.908	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	205892	57.400	ug/l	100
20) Methylene Chloride	4.92	84	134710	49.270	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	125899	51.663	ug/l	93
22) Diisopropyl ether	6.31	45	503943	55.598	ug/l	98
23) Vinyl Acetate	6.25	43	1531973	268.981	ug/l	100
24) 1,1-Dichloroethane	6.21	63	259834	53.525	ug/l	99
25) 2-Butanone	7.17	43	269940	260.217	ug/l	99
26) 2,2-Dichloropropane	7.17	77	115298	38.620	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	141455	52.741	ug/l	99
28) Bromochloromethane	7.51	49	124866	57.950	ug/l	99
29) Tetrahydrofuran	7.52	42	178677	301.328	ug/l	99
30) Chloroform	7.67	83	241456	53.914	ug/l	98
31) Cyclohexane	7.95	56	209109	44.875	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	176731	51.816	ug/l	100
36) 1,1-Dichloropropene	8.08	75	183097	47.642	ug/l	99
37) Ethyl Acetate	7.25	43	120395	54.451	ug/l	98
38) Carbon Tetrachloride	8.07	117	159714	48.545	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	195670	46.238	ug/l	98
40) Benzene	8.32	78	545107	50.637	ug/l	100
41) Methacrylonitrile	7.48	41	74899	56.668	ug/l	96
42) 1,2-Dichloroethane	8.40	62	180176	53.459	ug/l	100
43) Isopropyl Acetate	8.42	43	229133	56.349	ug/l	98
44) Trichloroethene	9.09	130	129138	49.912	ug/l	97
45) 1,2-Dichloropropane	9.37	63	150928	52.399	ug/l	99
46) Dibromomethane	9.46	93	71267	54.210	ug/l	99
47) Bromodichloromethane	9.65	83	182763	52.998	ug/l	99
48) Methyl methacrylate	9.43	41	113135	57.919	ug/l	99
49) 1,4-Dioxane	9.45	88	21275	1117.667	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	613602	290.104	ug/l	99
52) Toluene	10.38	92	331382	50.975	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	185390	51.464	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	217575	50.798	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	101410	54.367	ug/l	98
56) Ethyl methacrylate	10.65	69	156136	57.203	ug/l	99
57) 1,3-Dichloropropane	10.93	76	189832	53.793	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	398582	321.618	ug/l	100
59) 2-Hexanone	10.97	43	407512	272.875	ug/l	99
60) Dibromochloromethane	11.13	129	113422	54.780	ug/l	99
61) 1,2-Dibromoethane	11.23	107	96523	54.682	ug/l	100
64) Tetrachloroethene	10.86	164	115887	52.823	ug/l	97
65) Chlorobenzene	11.66	112	333726	49.265	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	120756	51.177	ug/l	99
67) Ethyl Benzene	11.73	91	637196	49.389	ug/l	100
68) m/p-Xylenes	11.84	106	459726	97.982	ug/l	100
69) o-Xylene	12.16	106	219688	50.387	ug/l	99
70) Styrene	12.18	104	389775	51.705	ug/l	99
71) Bromoform	12.35	173	64785	53.850	ug/l #	98
73) Isopropylbenzene	12.46	105	590068	48.551	ug/l	100
74) N-amyl acetate	12.27	43	203200	53.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123208	53.894	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	86296m	50.061	ug/l	
77) Bromobenzene	12.74	156	135720	50.522	ug/l	98
78) n-propylbenzene	12.80	91	716239	48.424	ug/l	99
79) 2-Chlorotoluene	12.89	91	419492	49.229	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	506629	49.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37151	49.669	ug/l	99
82) 4-Chlorotoluene	12.99	91	439711	49.182	ug/l	100
83) tert-Butylbenzene	13.21	119	418680	49.144	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	511121	49.803	ug/l	100
85) sec-Butylbenzene	13.38	105	584559	48.087	ug/l	99
86) p-Isopropyltoluene	13.50	119	532079	48.241	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	258337	49.045	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	254700	48.609	ug/l	99
89) n-Butylbenzene	13.82	91	509950	46.330	ug/l	100
90) Hexachloroethane	14.09	117	95856	49.148	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	232284	49.860	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21455	55.035	ug/l	98

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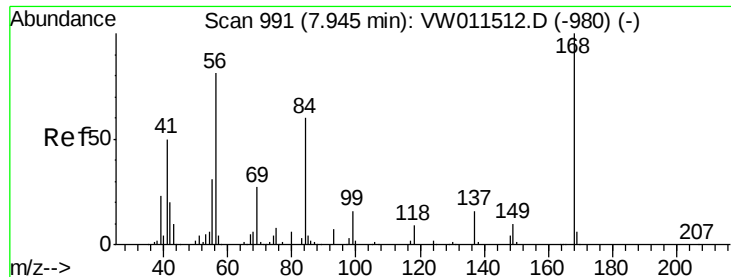
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	159845	48.684	ug/l	99
94) Hexachlorobutadiene	15.24	225	94976	46.386	ug/l	98
95) Naphthalene	15.36	128	329199	51.136	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	145024	50.390	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: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 217040

Ion Ratio Lower Upper

168 100

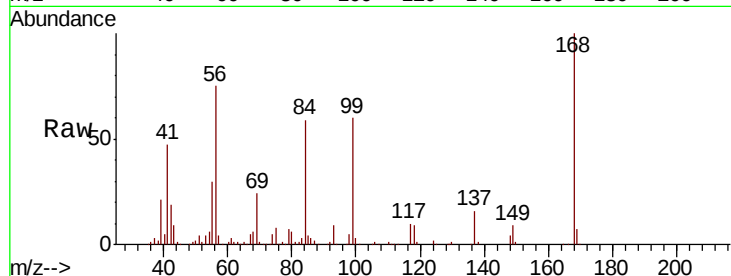
99 60.3 48.2 72.4

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

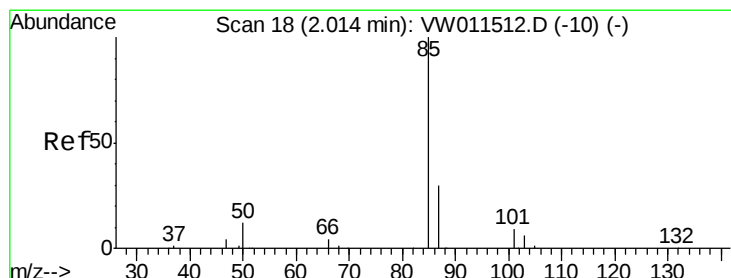
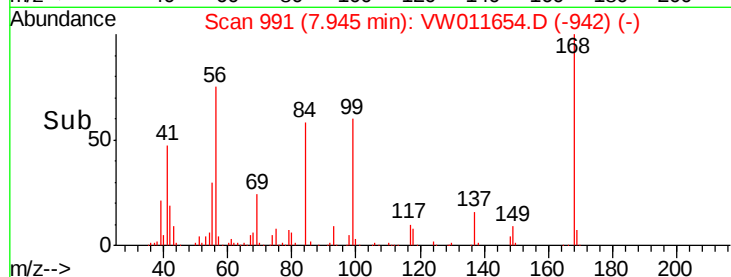
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.307 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011654.D

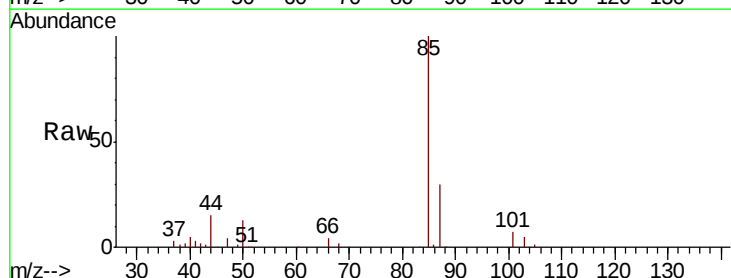
Acq: 03 Aug 2019 07:18

Tgt Ion: 85 Resp: 56013

Ion Ratio Lower Upper

85 100

87 30.3 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

20000

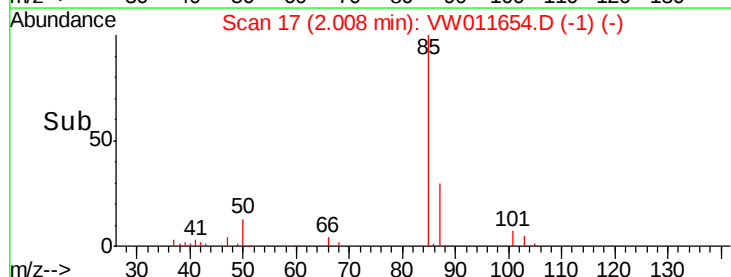
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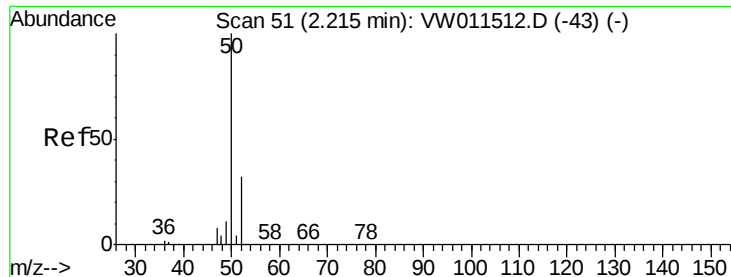
10000

5000

0

Time-->





#3

Chloromethane

Concen: 44.448 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 93229

Ion Ratio Lower Upper

50 100

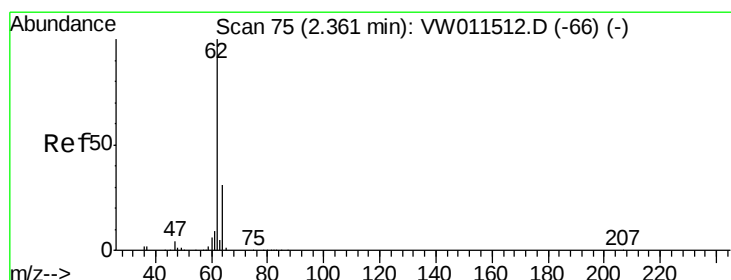
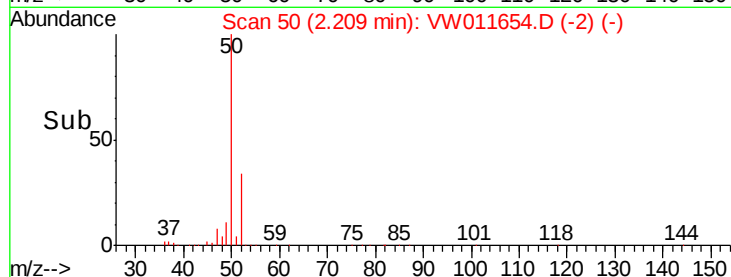
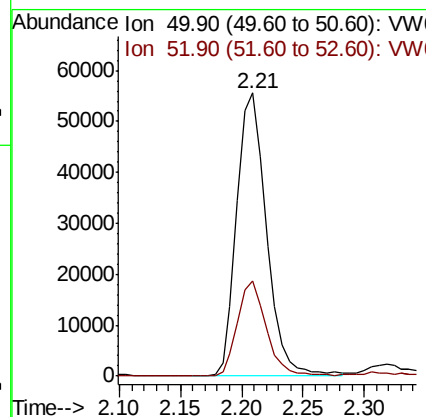
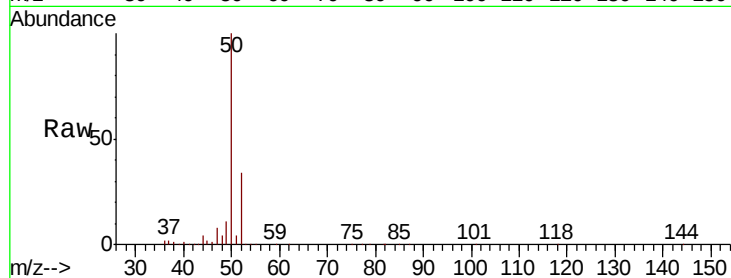
52 33.7 25.4 38.2

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#4

Vinyl Chloride

Concen: 44.828 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011654.D

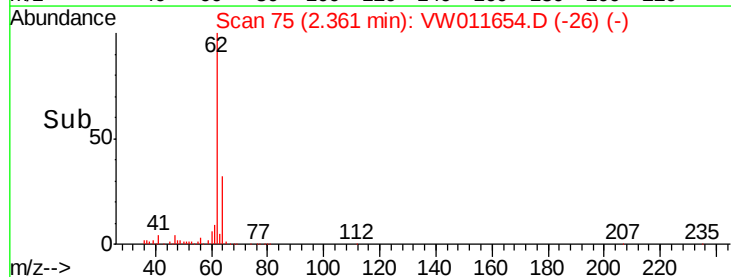
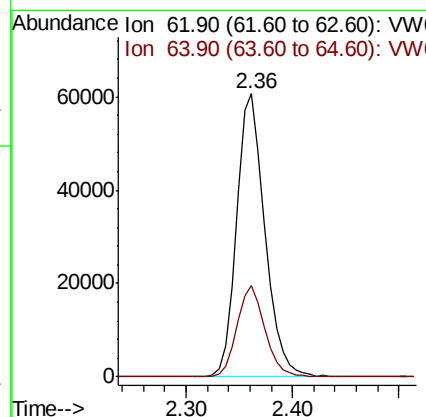
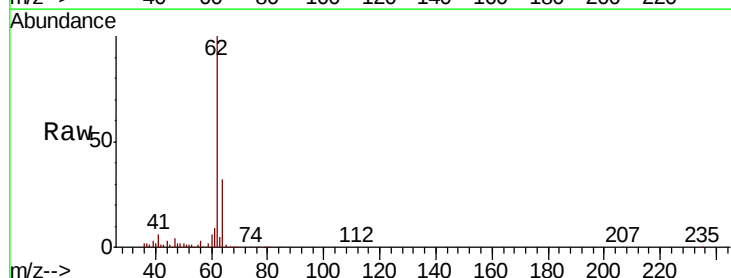
Acq: 03 Aug 2019 07:18

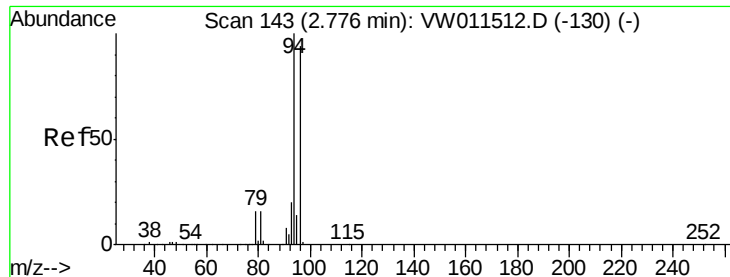
Tgt Ion: 62 Resp: 113199

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.4





#5

Bromomethane

Concen: 40.759 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 56970

Ion Ratio Lower Upper

94 100

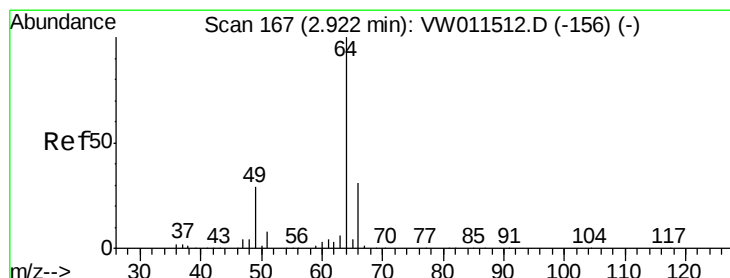
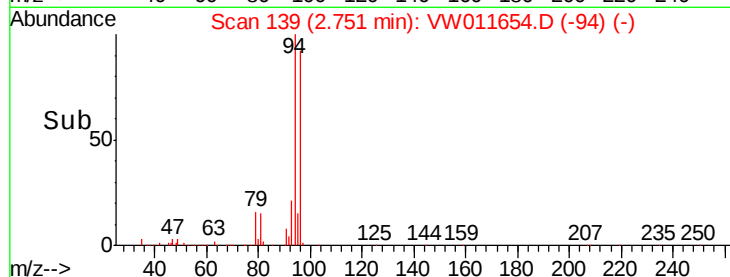
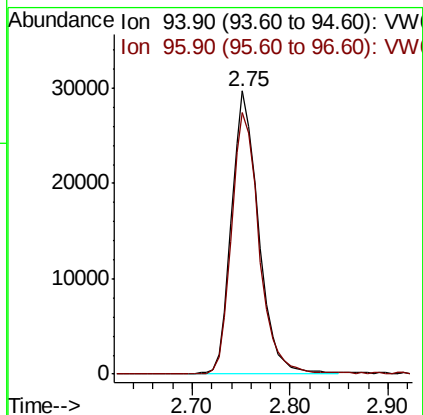
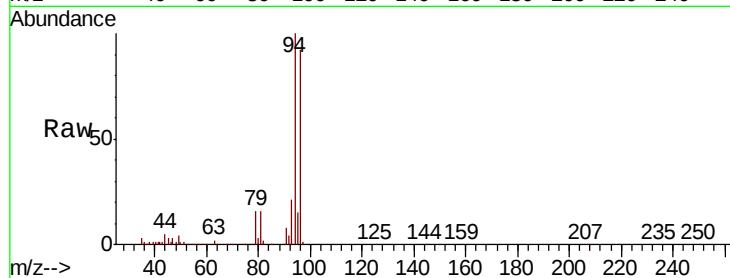
96 92.0 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 45.748 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW011654.D

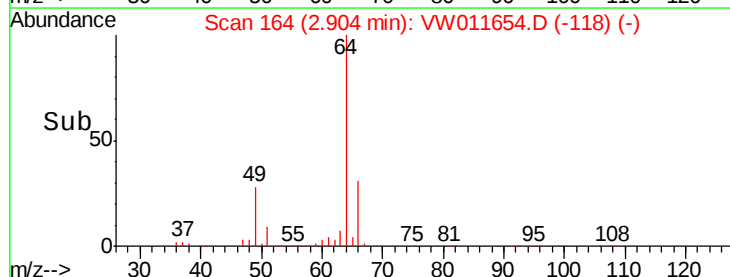
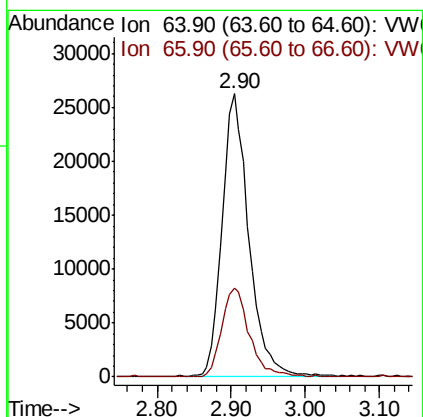
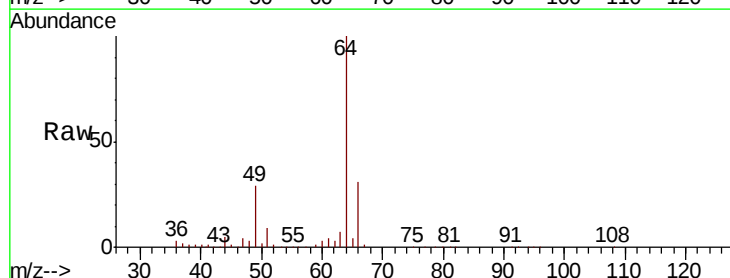
Acq: 03 Aug 2019 07:18

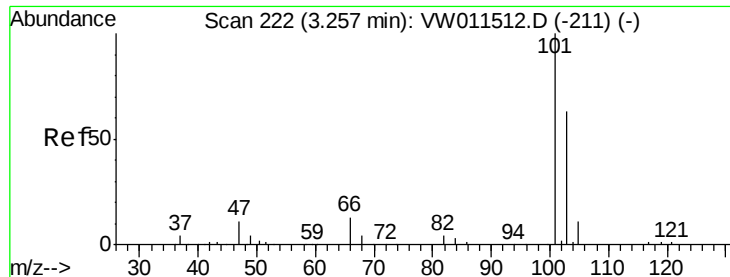
Tgt Ion: 64 Resp: 65988

Ion Ratio Lower Upper

64 100

66 31.2 24.6 36.8





#7

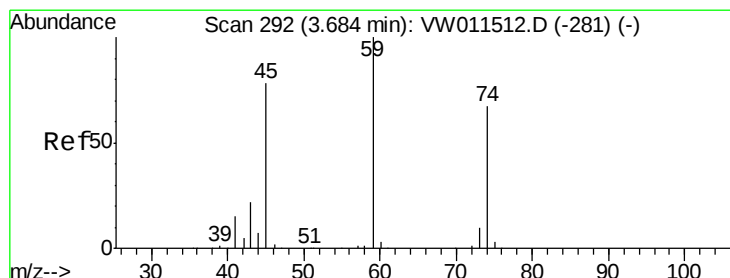
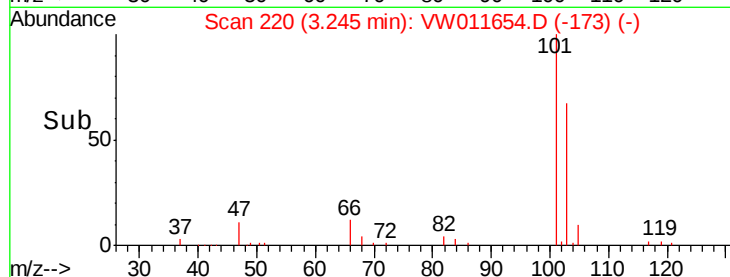
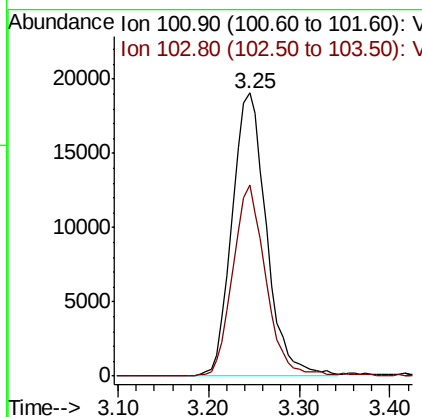
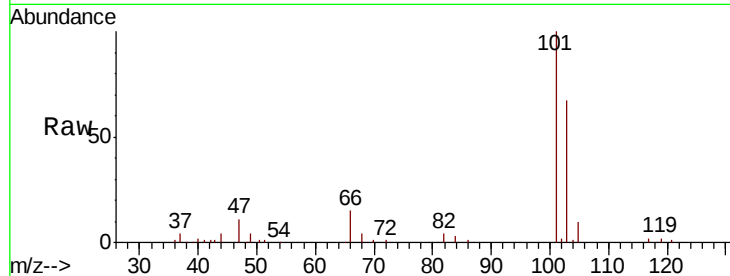
Trichlorofluoromethane
Concen: 44.370 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	50.2	75.4

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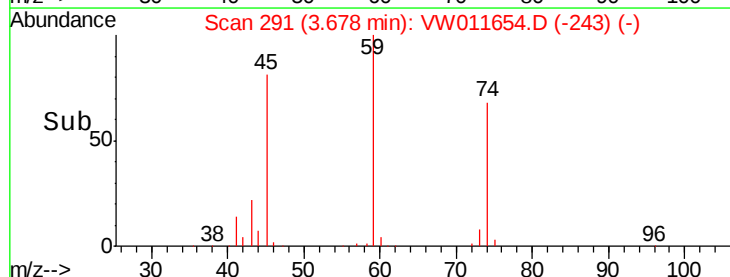
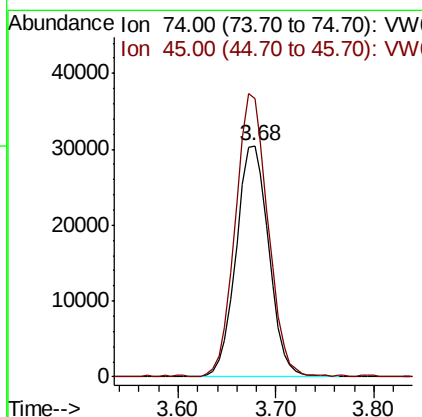
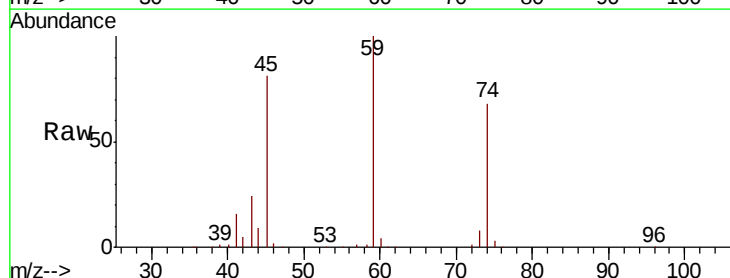
MMDadoda
8/6/2019 9:20:09 AM

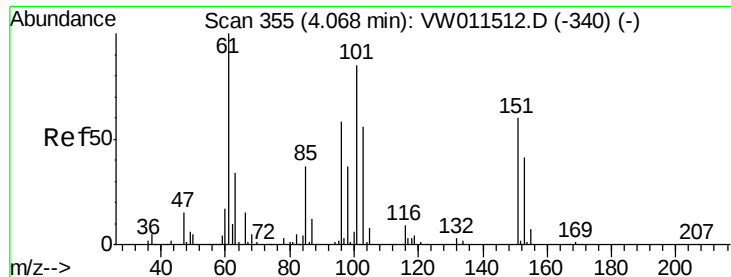


#8

Diethyl Ether
Concen: 55.400 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.9	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.075 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

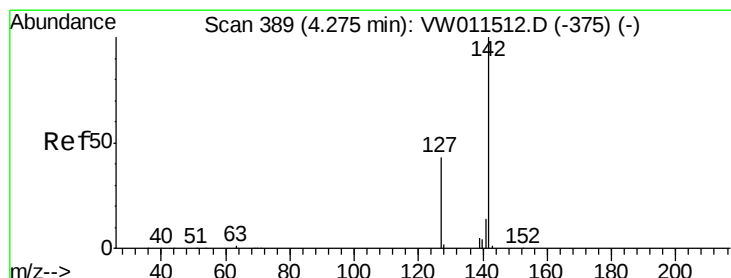
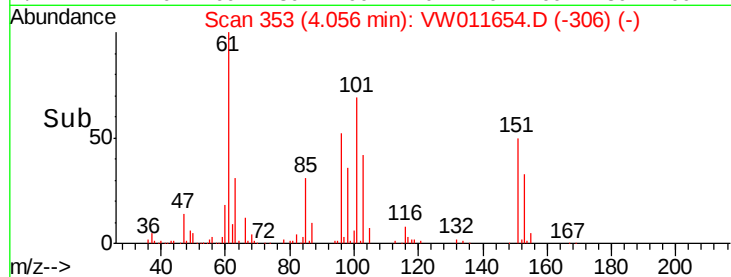
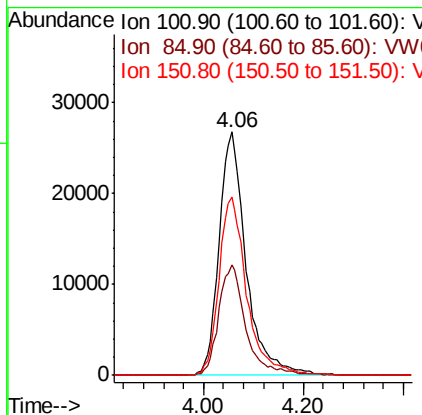
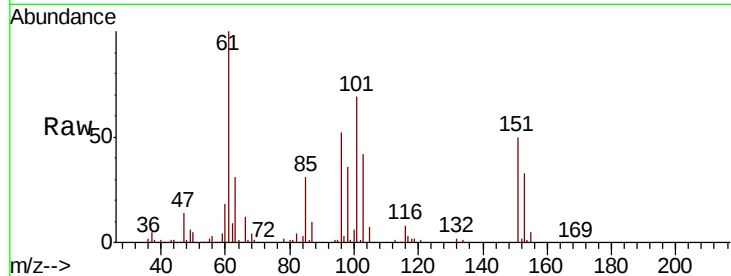
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	100779
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	54.8
151	75.0	60.2	90.2

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#10

Methyl Iodide

Concen: 51.550 ug/l

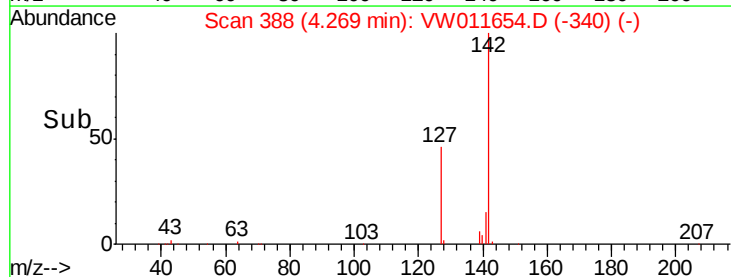
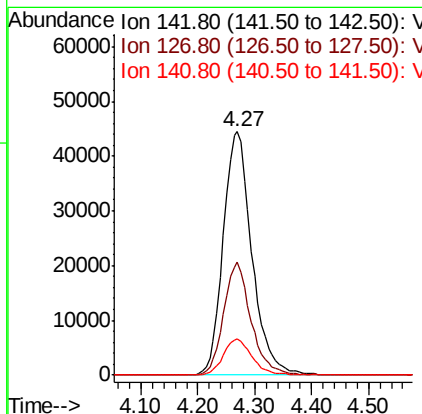
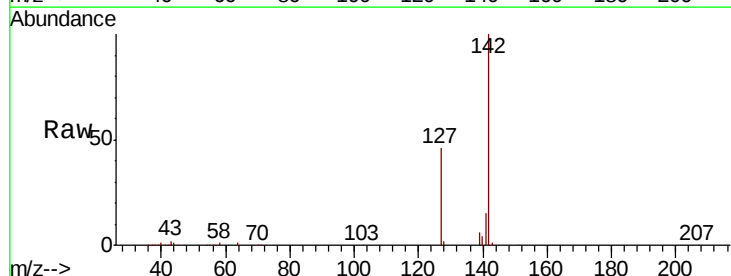
RT: 4.27 min Scan# 388

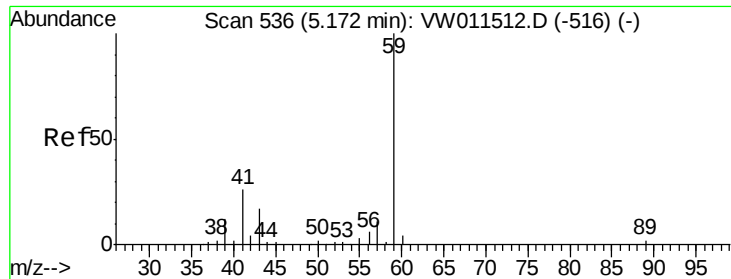
Delta R.T. -0.01 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Tgt Ion:	142	Resp:	155959
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.0	52.6
141	14.8	11.9	17.9





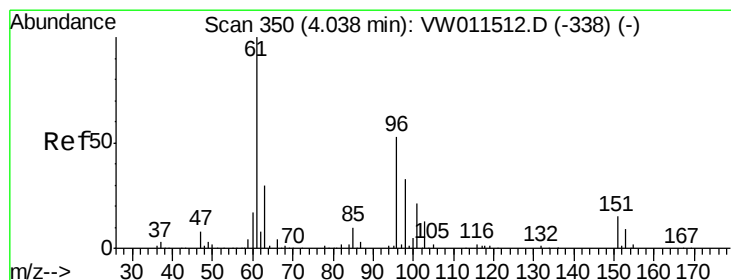
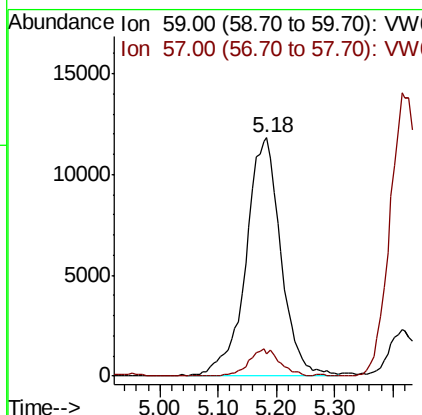
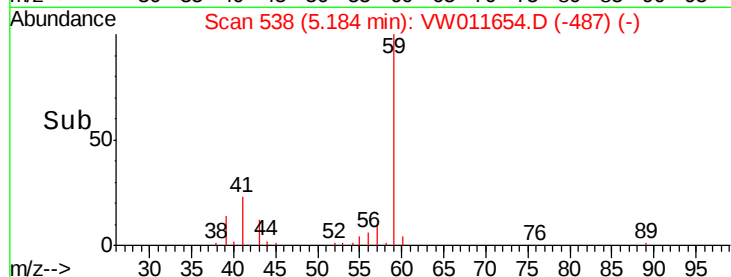
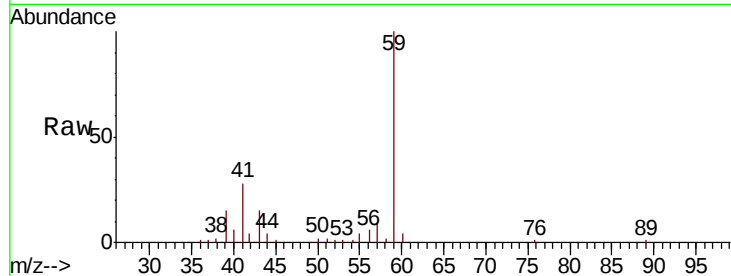
#11
Tert butyl alcohol
Concen: 270.207 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

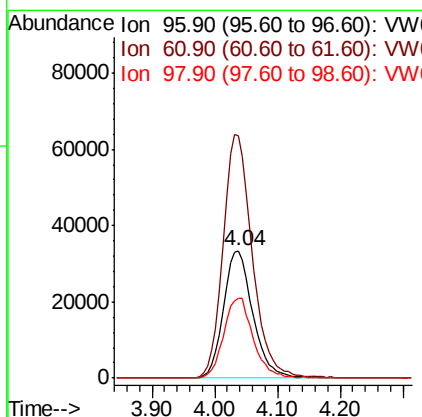
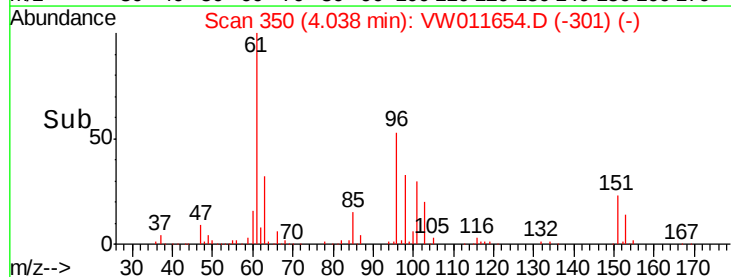
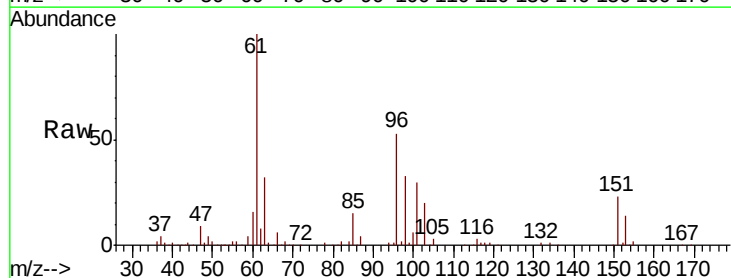
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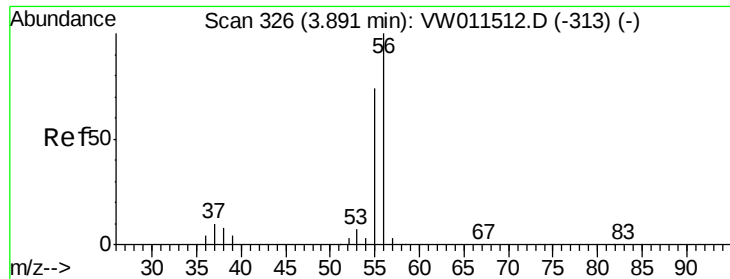
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.877 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.5	149.9	224.9
98	62.4	49.1	73.7





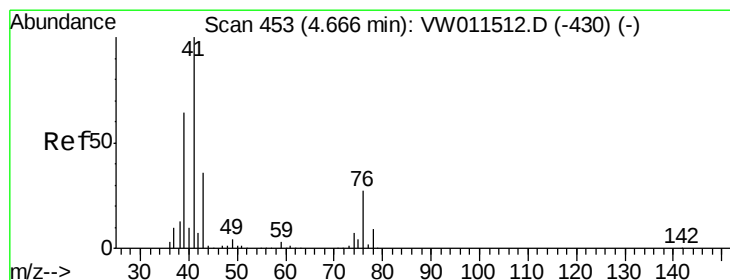
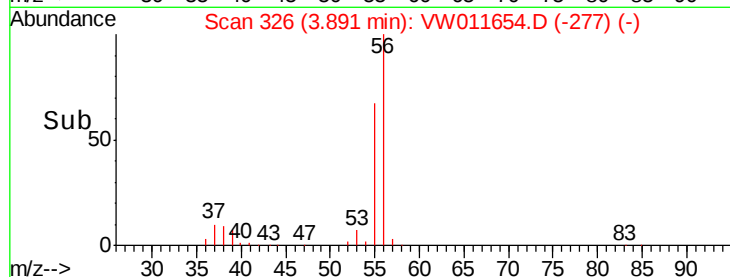
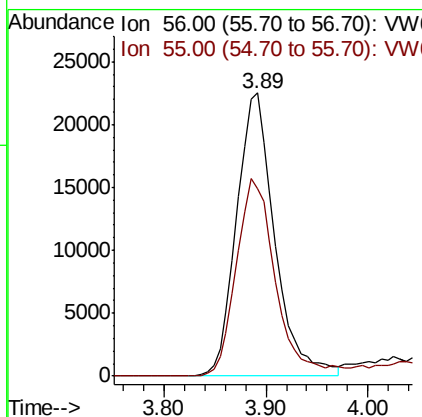
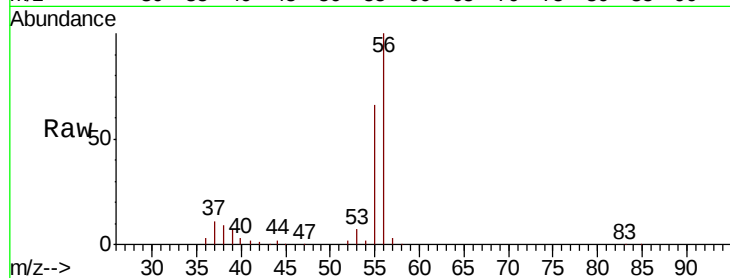
#13
Acrolein
Concen: 327.410 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	58549
Ion Ratio	100	Lower	Upper
55	72.7	56.0	84.0

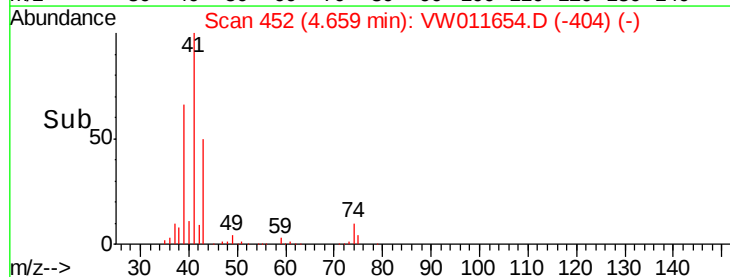
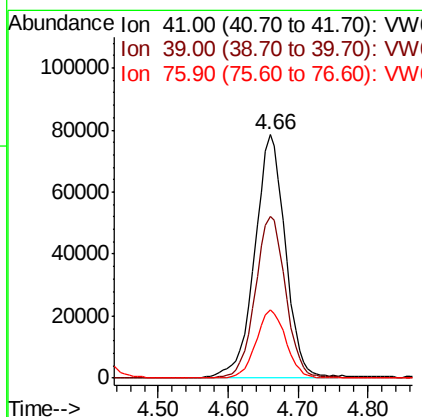
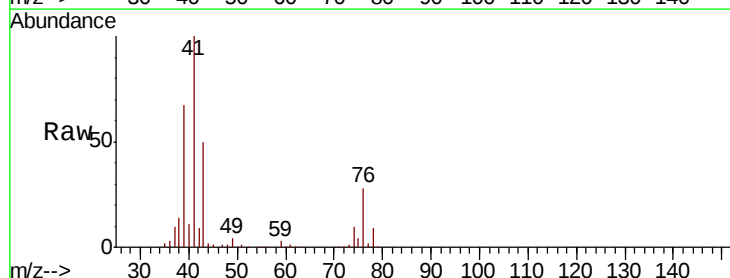
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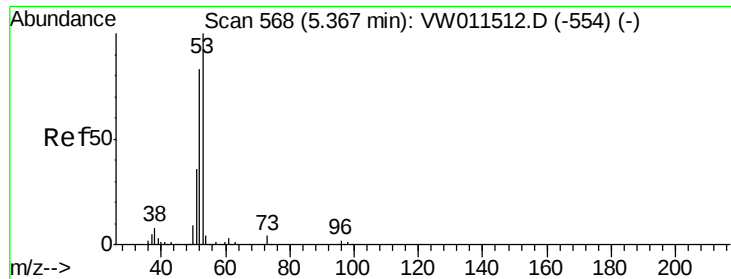
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#14
Allyl chloride
Concen: 49.650 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	41	Resp	238695
Ion Ratio	100	Lower	Upper
39	66.2	52.6	78.8
76	27.3	22.0	33.0





#15

Acrylonitrile

Concen: 293.483 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

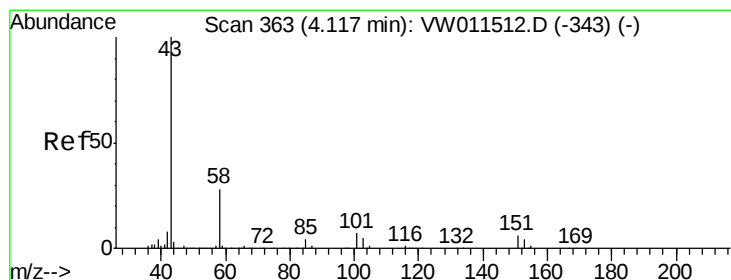
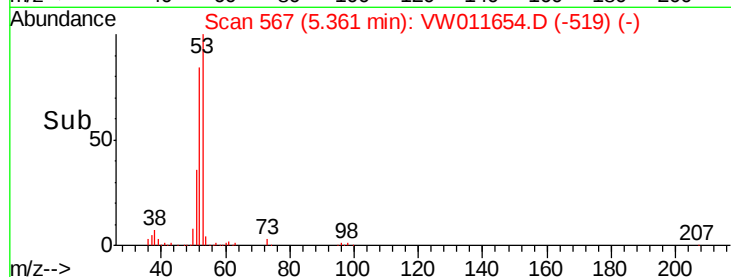
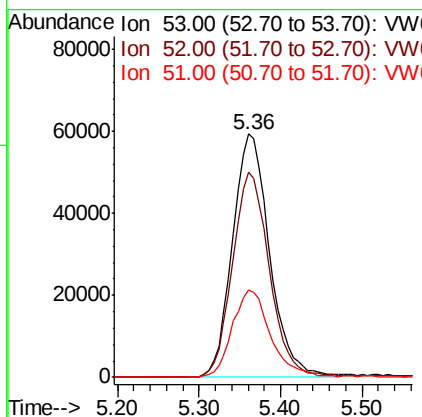
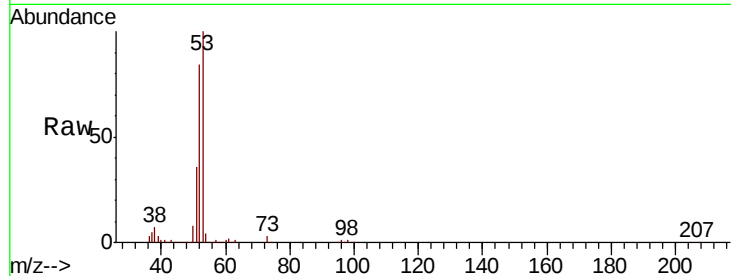
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	187460
Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.2	100.8
51	36.8	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 187.829 ug/l

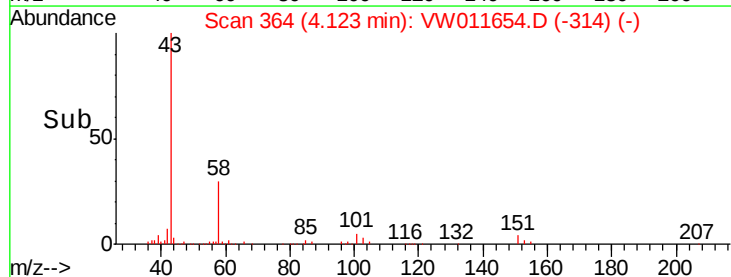
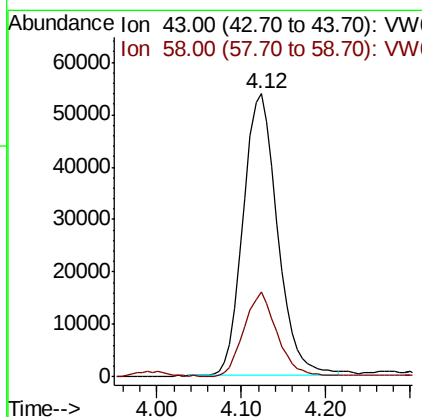
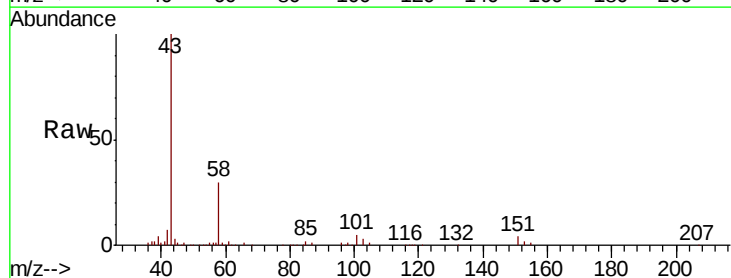
RT: 4.12 min Scan# 364

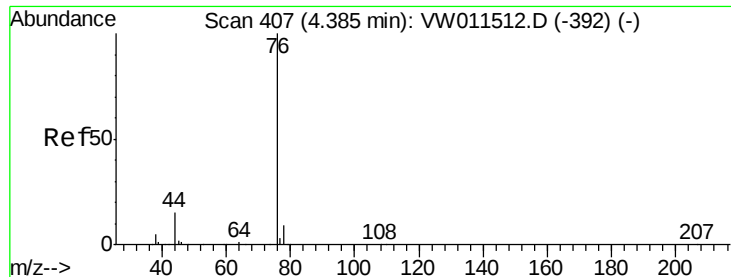
Delta R.T. 0.01 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Tgt Ion:	43	Resp:	148905
Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.3	33.5





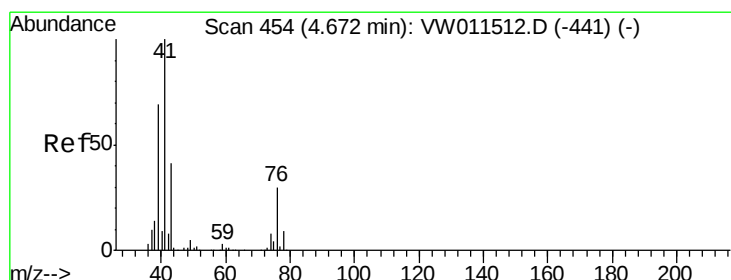
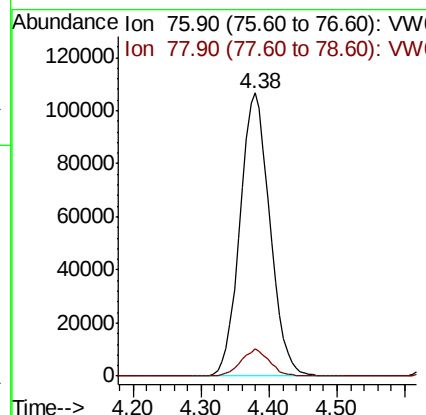
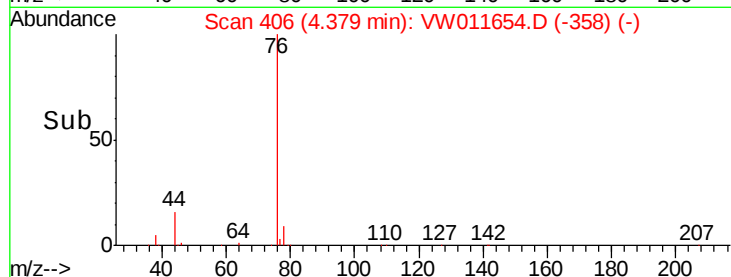
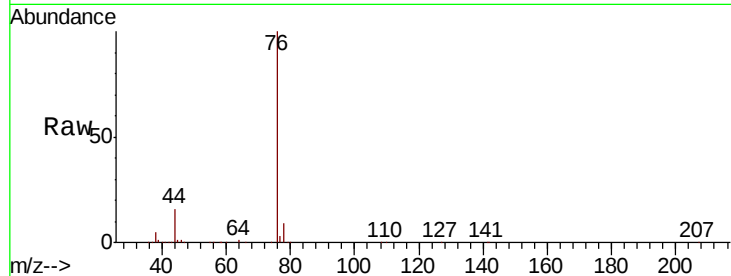
#17
Carbon Disulfide
Concen: 46.057 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

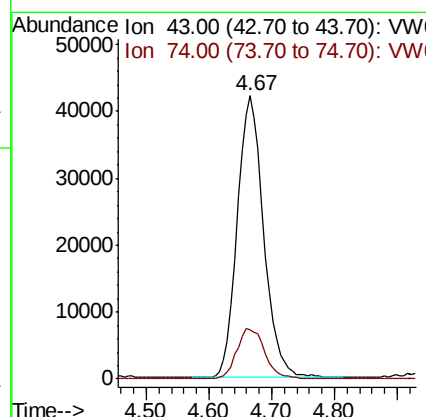
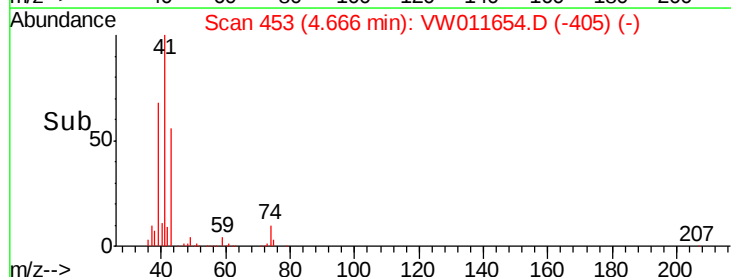
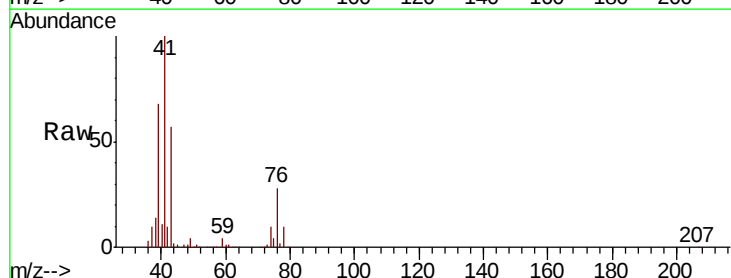
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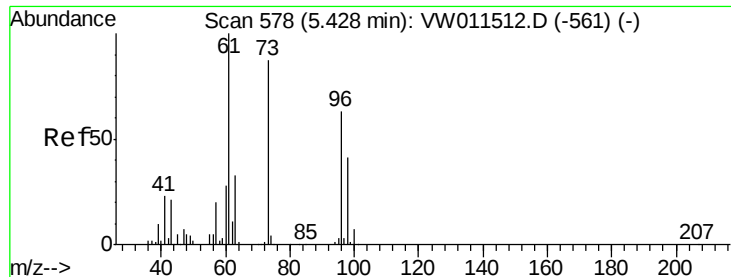
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#18
Methyl Acetate
Concen: 68.908 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.9	15.9	23.9





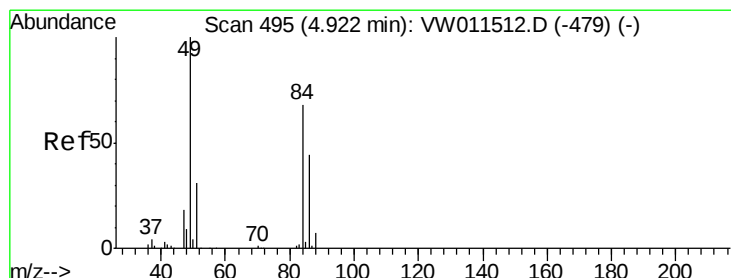
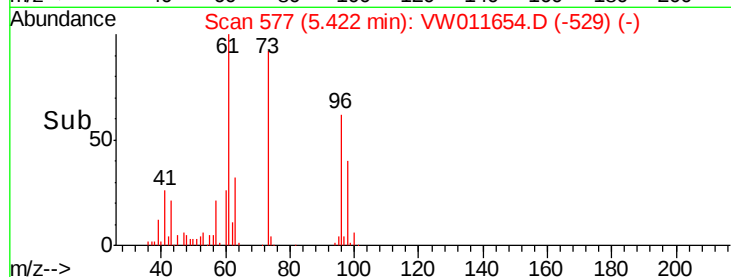
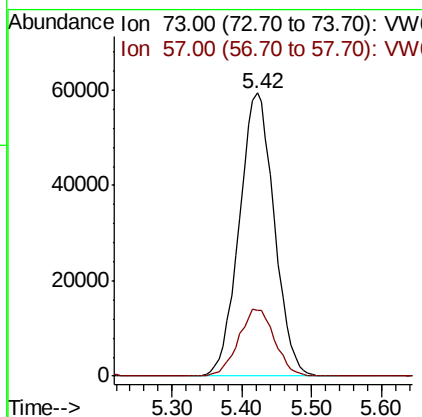
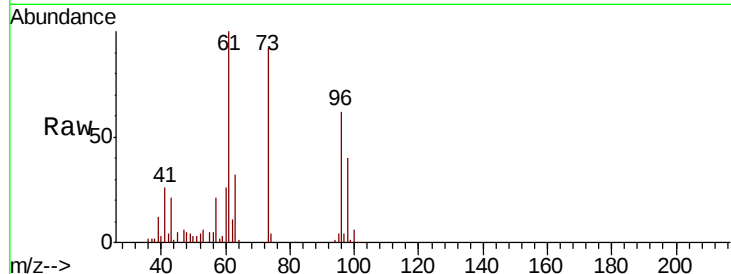
#19
Methvl tert-butvl Ether
Concen: 57.400 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 205892
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6

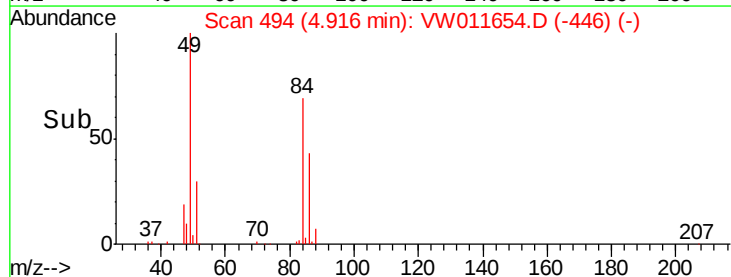
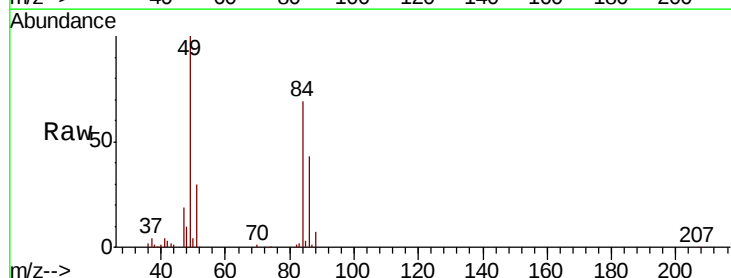
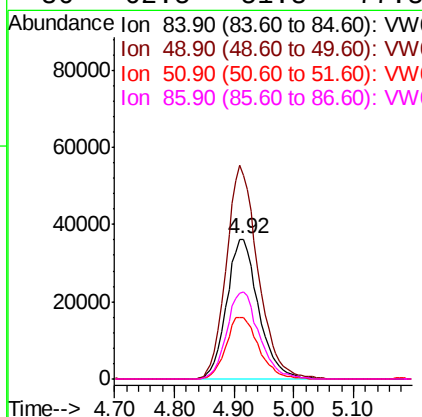
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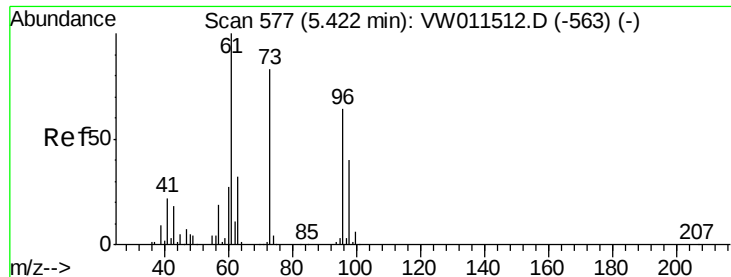
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#20
Methylene Chloride
Concen: 49.270 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion: 84 Resp: 134710
Ion Ratio Lower Upper
84 100
49 145.3 117.8 176.6
51 43.8 37.0 55.4
86 62.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 51.663 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 125899

Ion Ratio Lower Upper

96 100

61 169.5 125.7 188.5

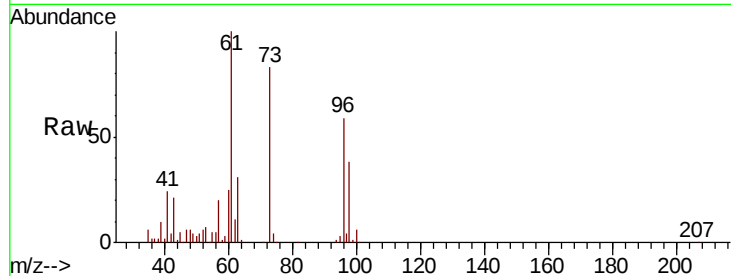
98 64.2 50.3 75.5

Manual Integrations

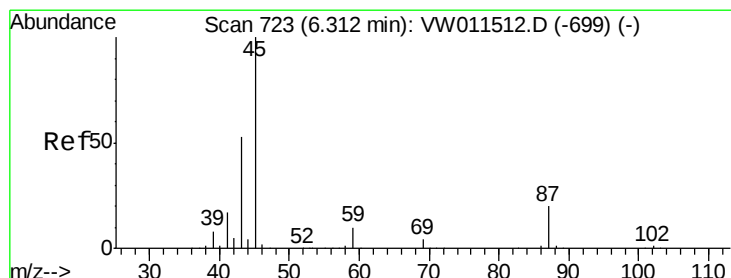
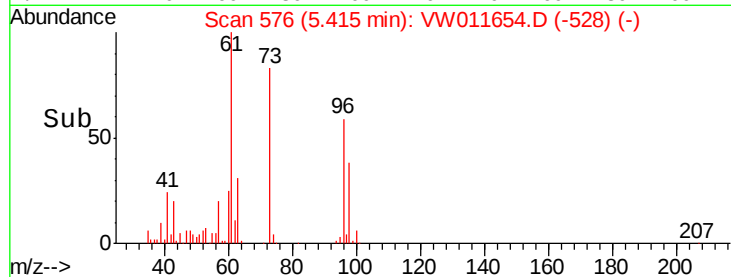
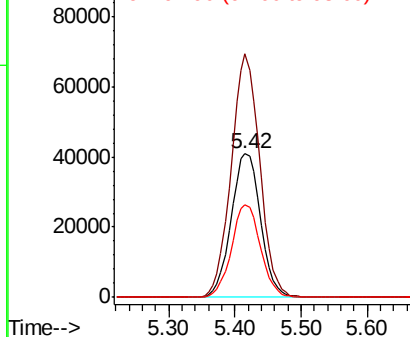
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 55.598 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Tgt Ion: 45 Resp: 503943

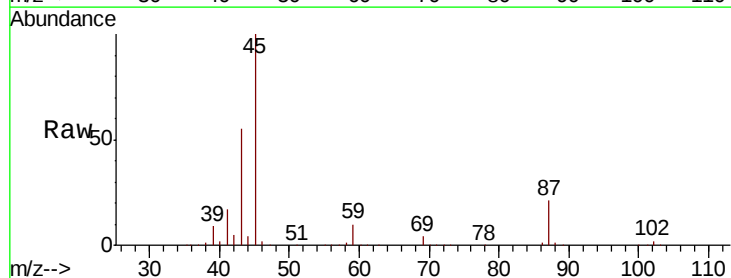
Ion Ratio Lower Upper

45 100

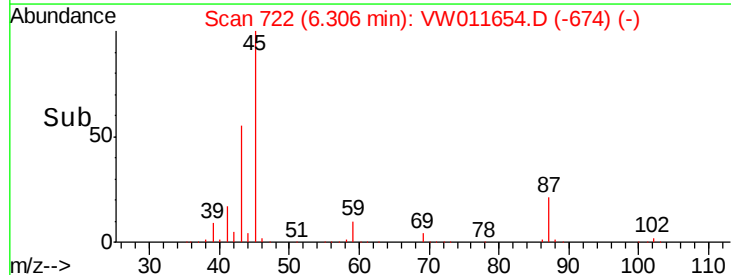
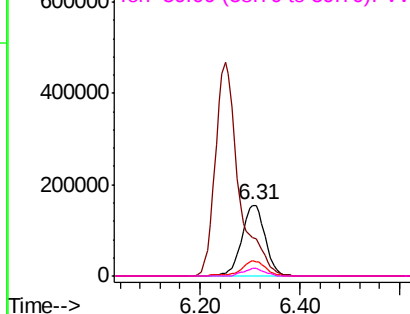
43 54.6 42.6 63.8

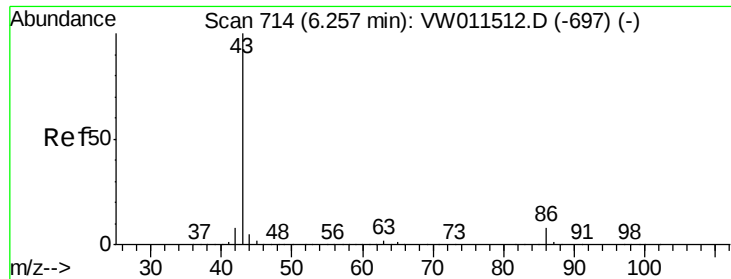
87 20.9 16.4 24.6

59 10.4 8.2 12.2



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





#23

Vinyl Acetate

Concen: 268.981 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1531973

Ion Ratio Lower Upper

43 100

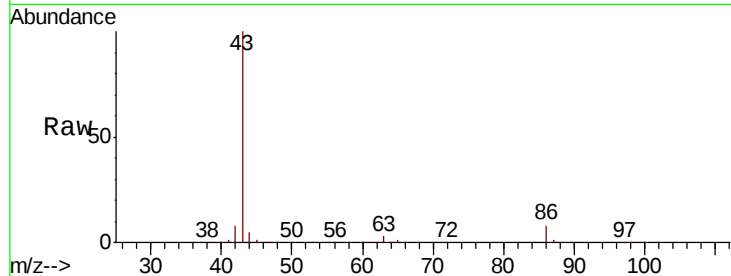
86 8.2 6.5 9.7

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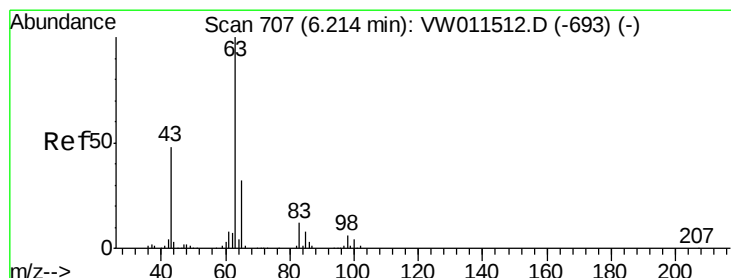
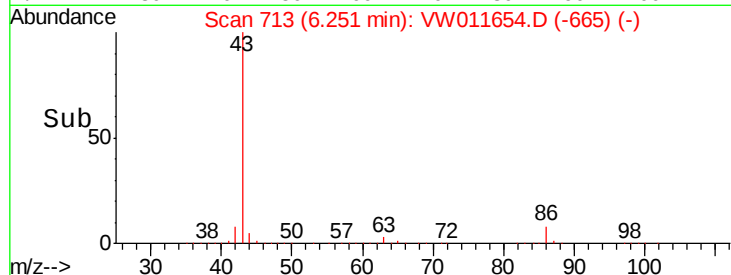
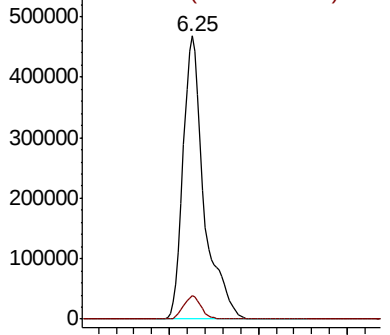
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.525 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

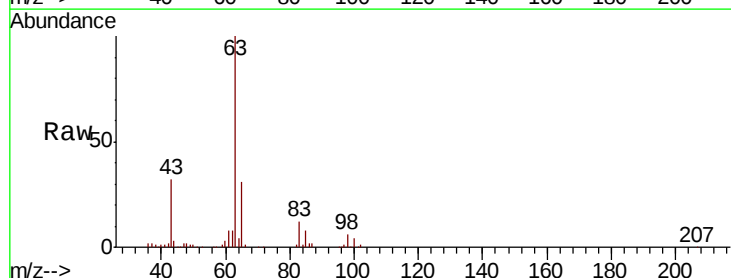
Tgt Ion: 63 Resp: 259834

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

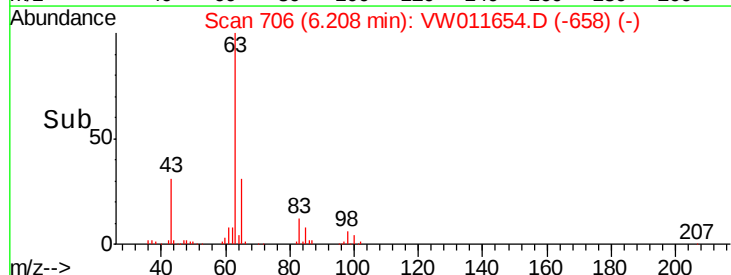
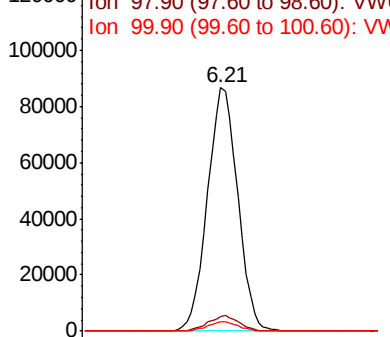
100 4.1 2.1 6.3

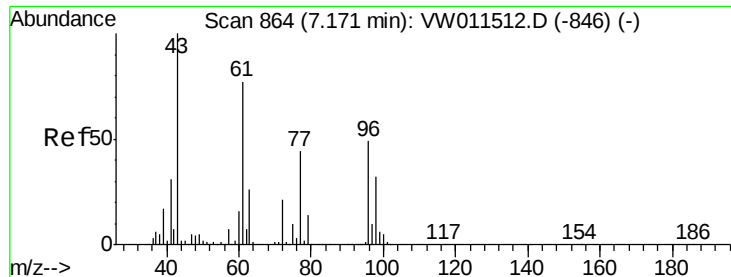


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 260.217 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 269940

Ion Ratio Lower Upper

43 100

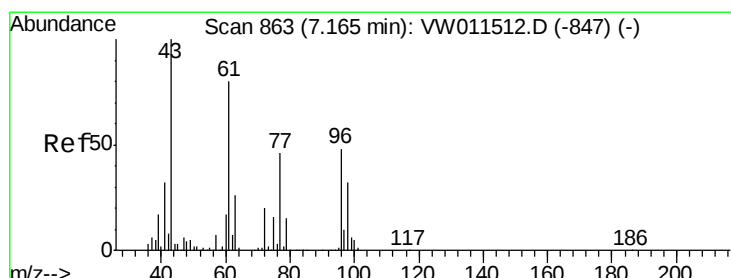
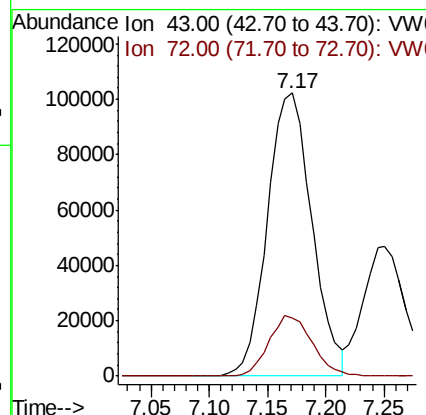
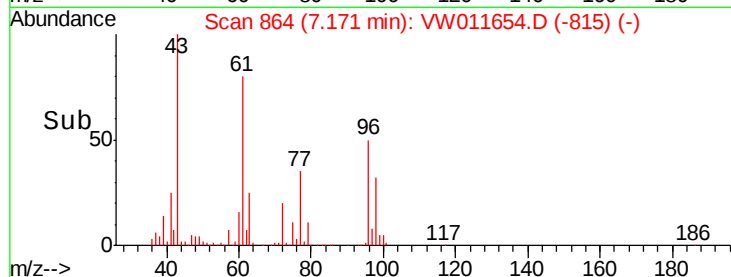
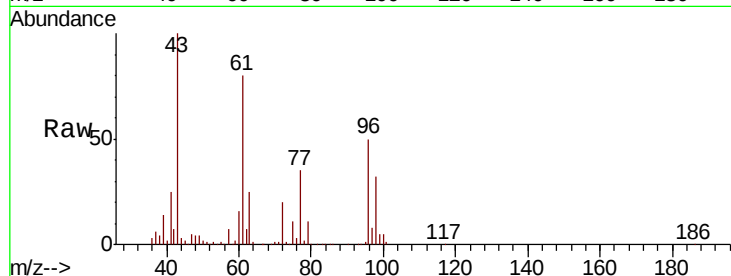
72 20.5 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 38.620 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011654.D

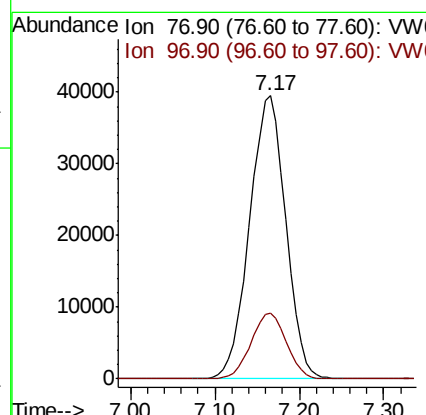
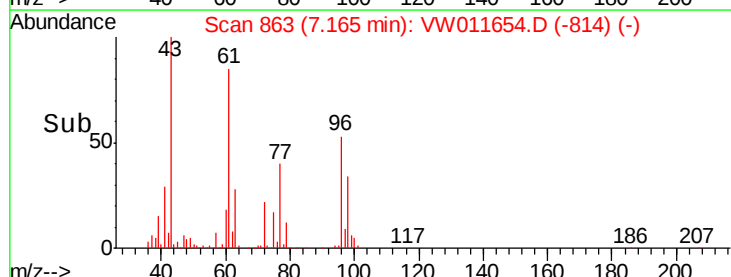
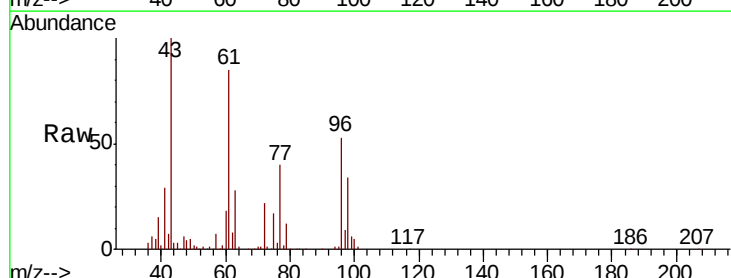
Acq: 03 Aug 2019 07:18

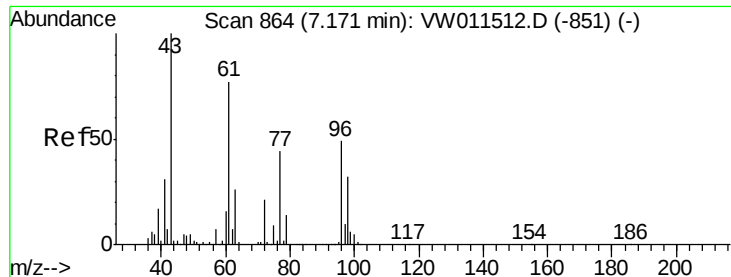
Tgt Ion: 77 Resp: 115298

Ion Ratio Lower Upper

77 100

97 22.8 10.8 32.4





#27

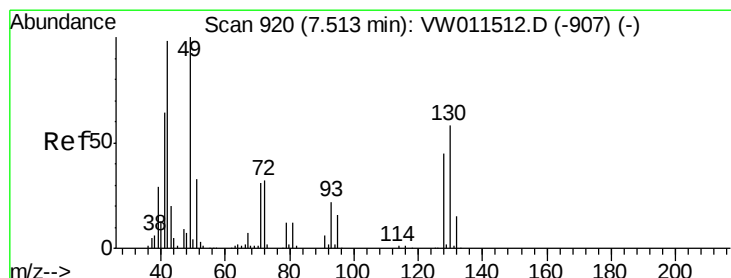
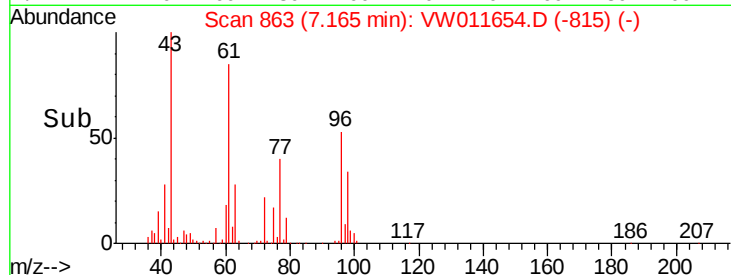
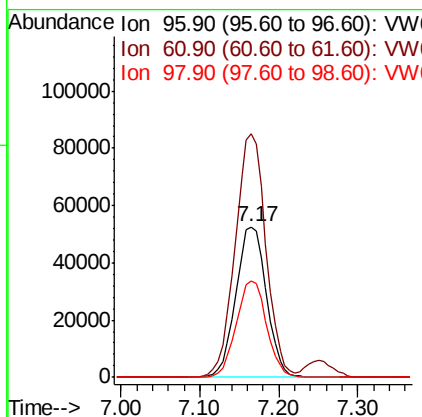
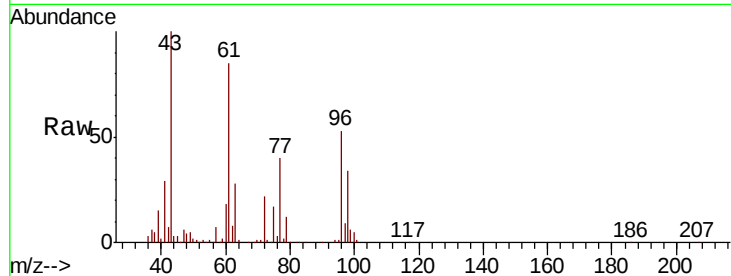
cis-1,2-Dichloroethene
 Concen: 52.741 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.7	0.0	328.4	
98	63.8	0.0	128.8	

Manual Integrations
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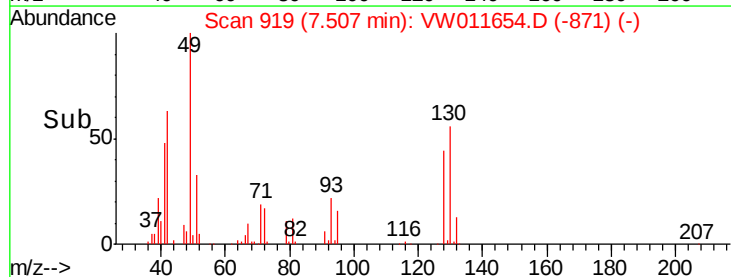
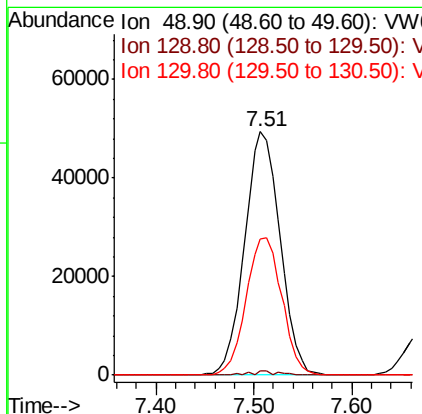
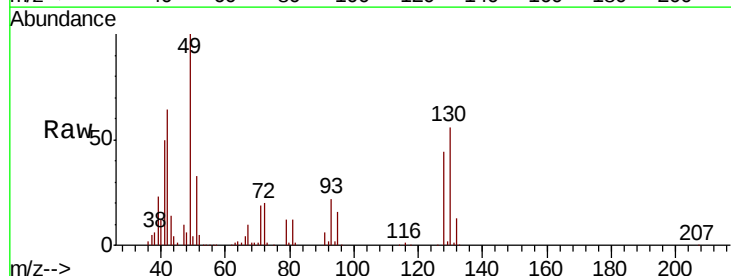
MMDadoda
 8/6/2019 9:20:09 AM

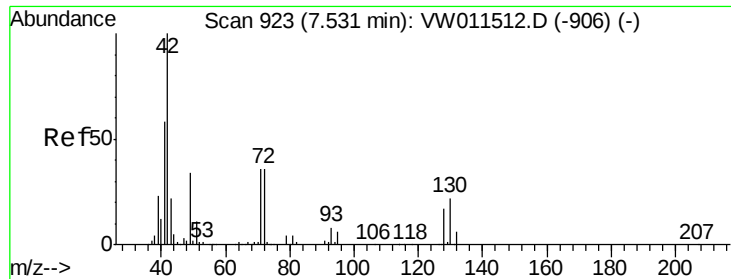


#28

Bromochloromethane
 Concen: 57.950 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.7	0.0	1.0	
130	56.9	46.3	69.5	





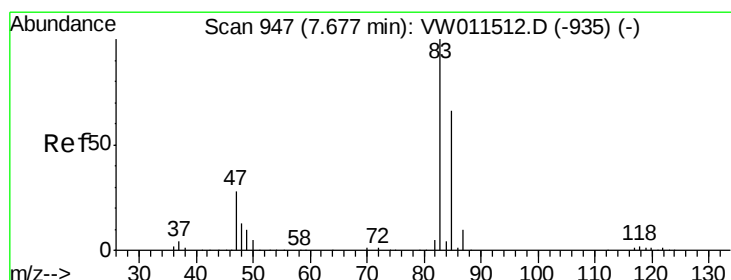
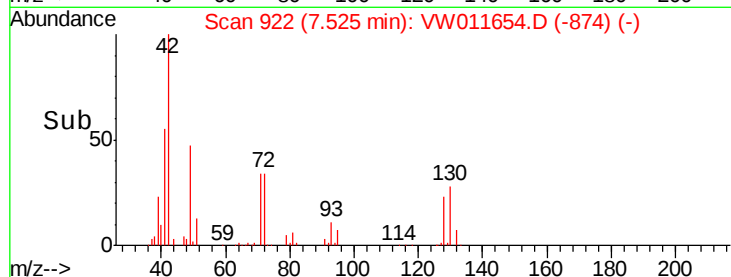
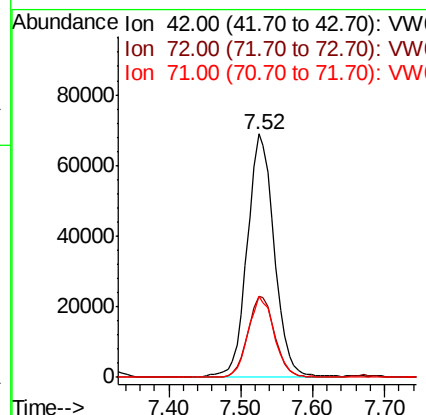
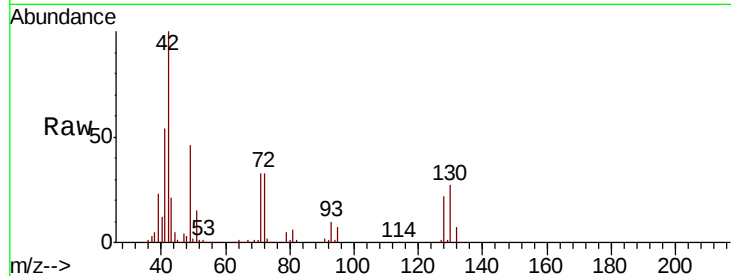
#29
Tetrahydrofuran
Concen: 301.328 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	178677
Ion Ratio		Lower	Upper
42	100		
72	33.4	27.1	40.7
71	32.3	26.2	39.4

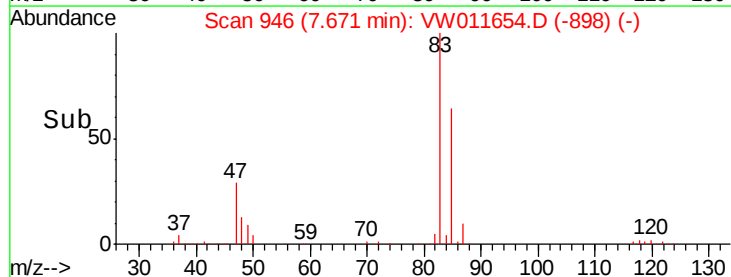
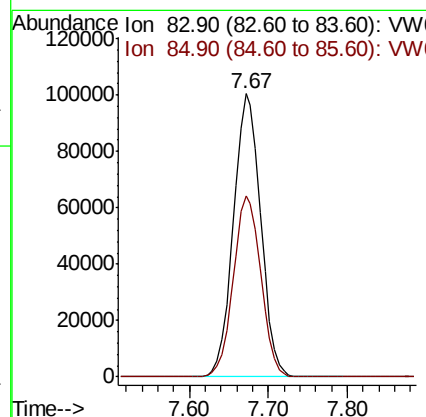
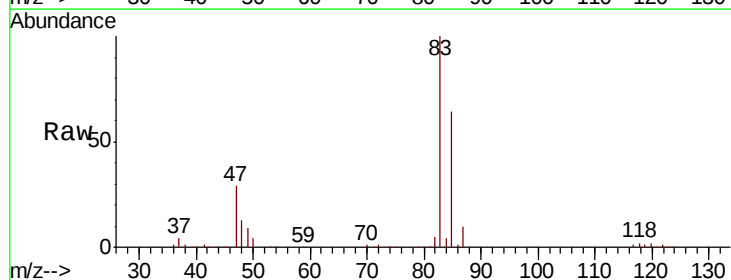
Manual Integrations
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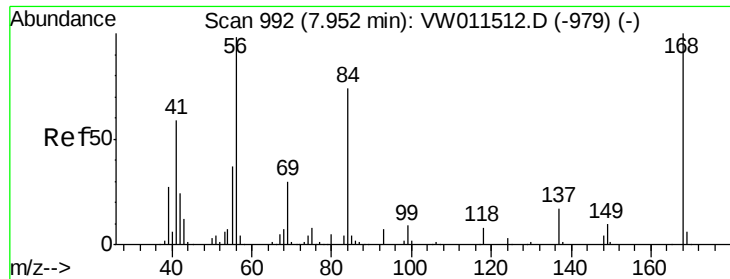
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8/6/2019 9:20:09 AM



#30
Chloroform
Concen: 53.914 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion:	83	Resp:	241456
Ion Ratio		Lower	Upper
83	100		
85	63.8	52.5	78.7





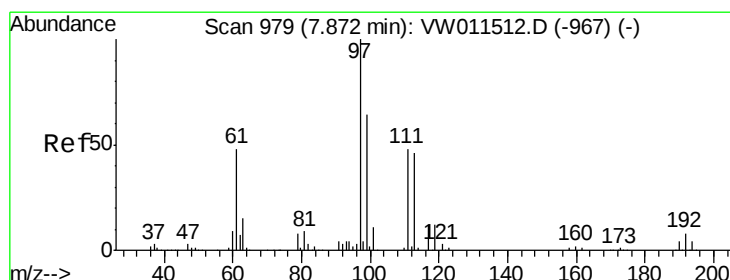
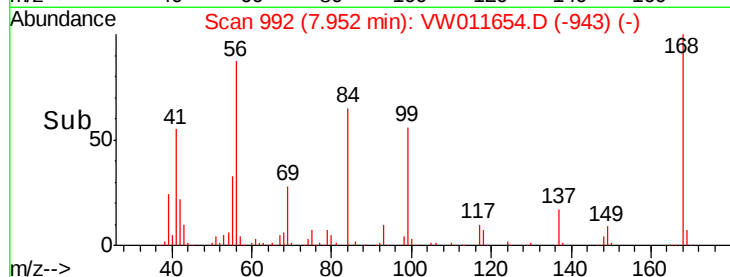
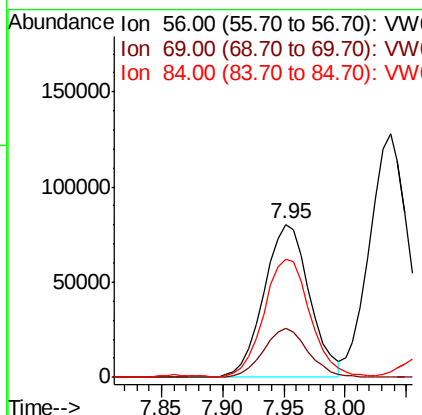
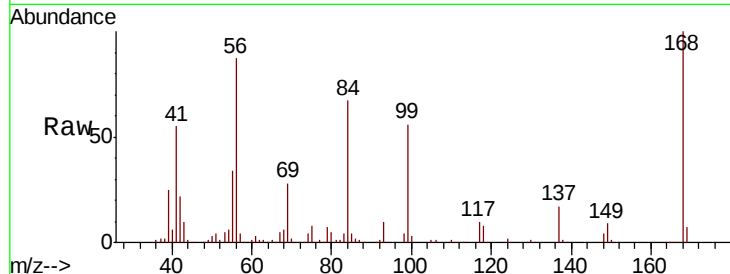
#31
Cyclohexane
Concen: 44.875 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	209109
Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.3	36.5
84	75.6	60.4	90.6

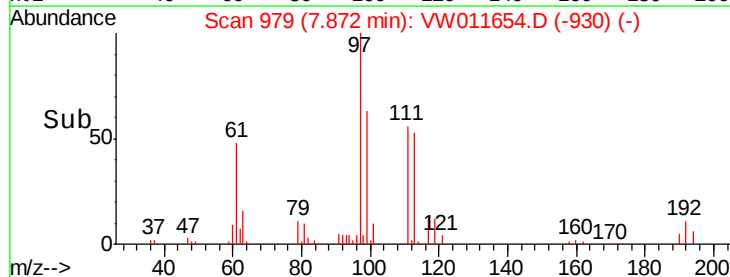
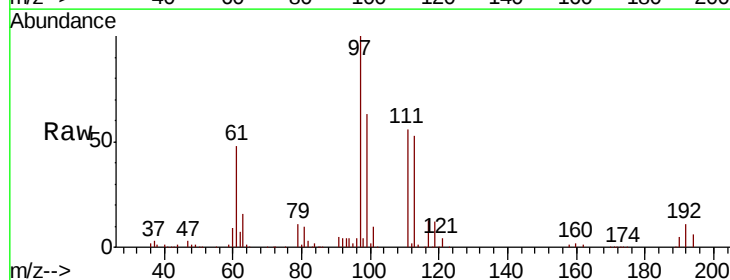
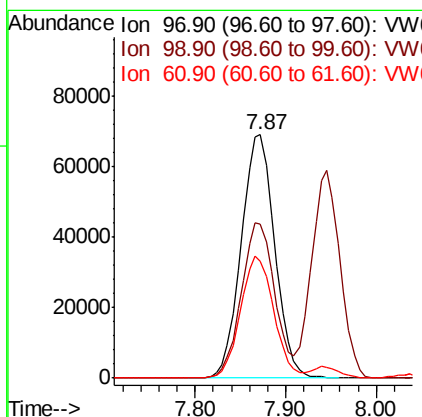
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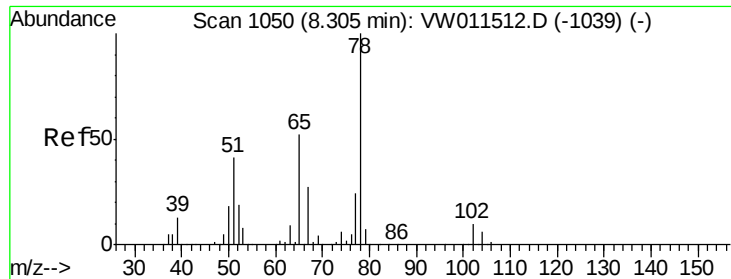
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#32
1,1,1-Trichloroethane
Concen: 51.816 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	97	Resp	176731
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	49.9	39.8	59.6





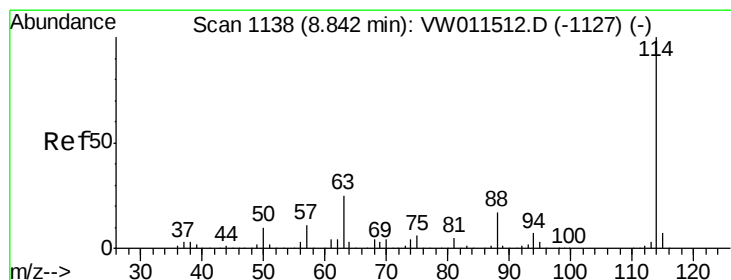
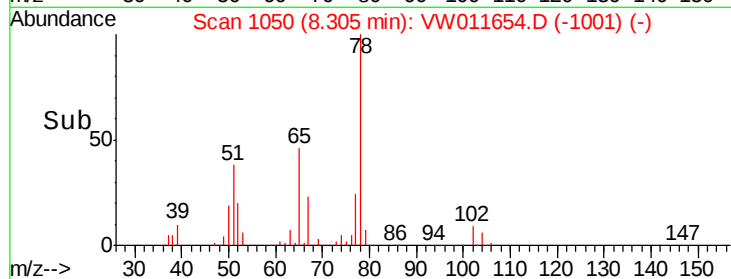
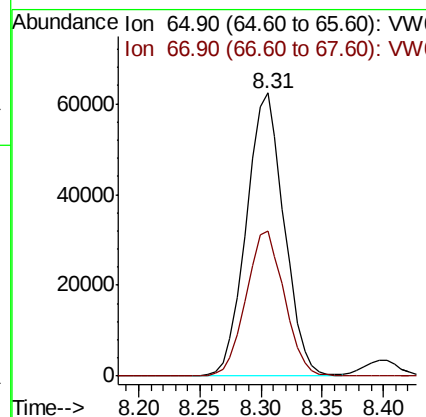
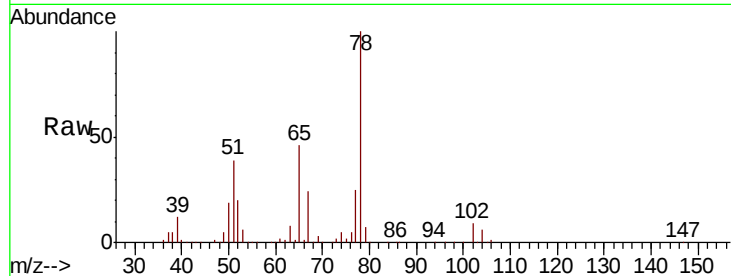
#33
 1,2-Dichloroethane-d4
 Concen: 53.862 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134236		
67	51.9	0.0	105.2	

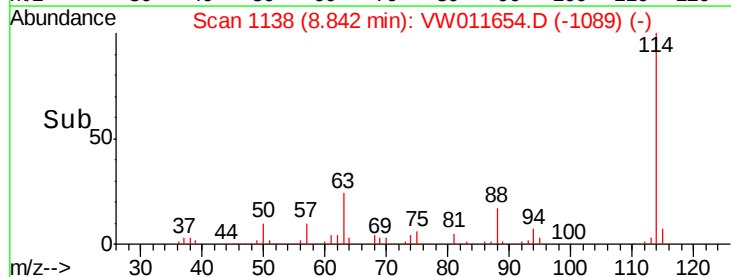
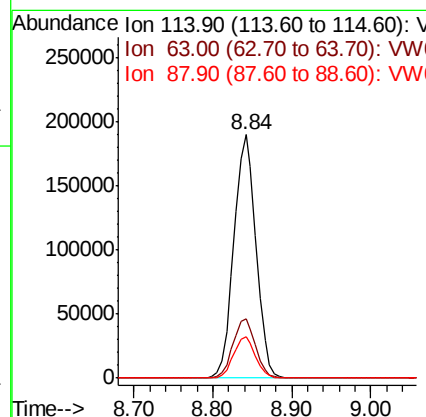
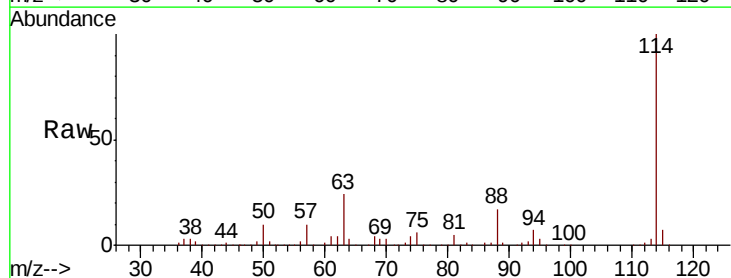
Manual Integrations
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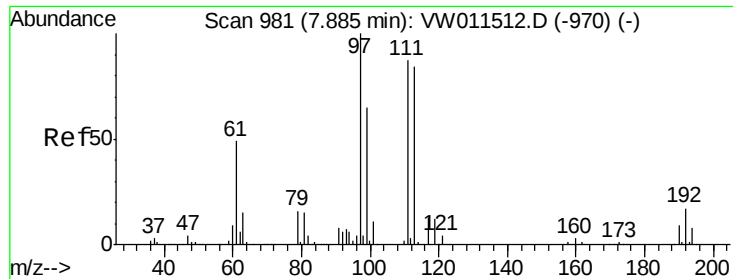
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	369601		
63	24.1	0.0	49.2	
88	16.8	0.0	33.8	





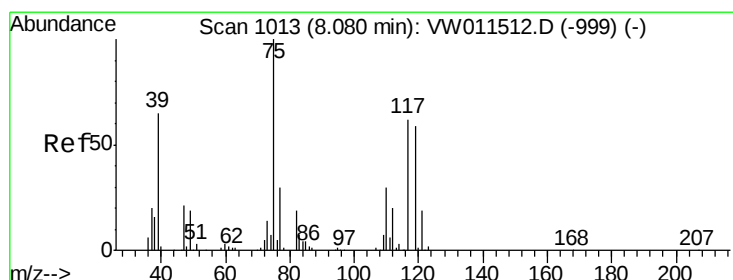
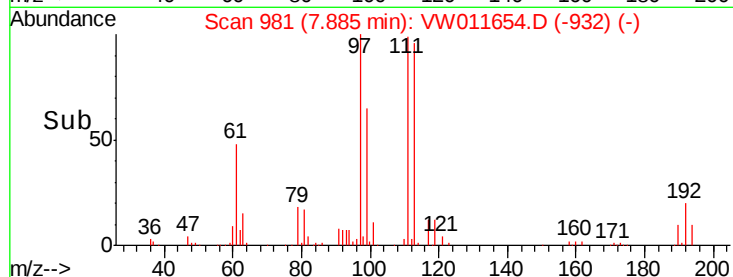
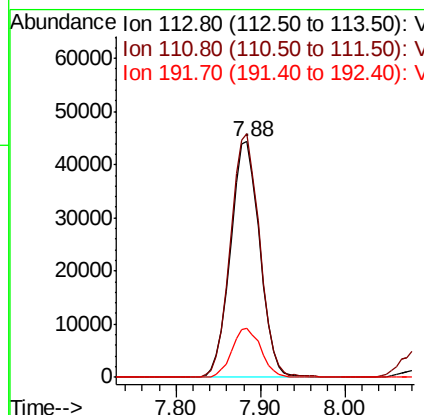
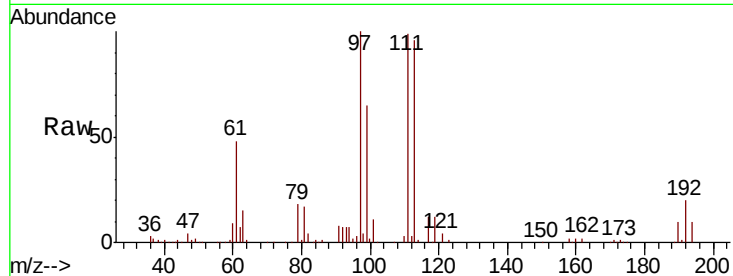
#35
 Dibromofluoromethane
 Concen: 50.407 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104520		
111	103.3	82.7	124.1	
192	20.5	16.1	24.1	

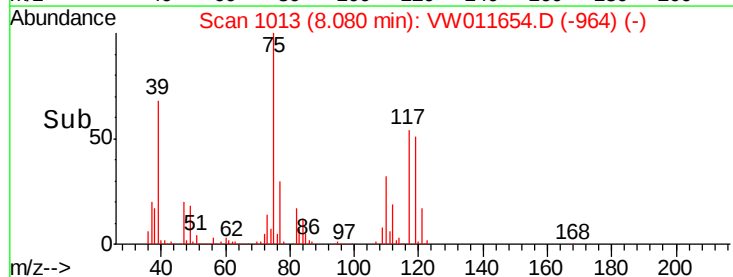
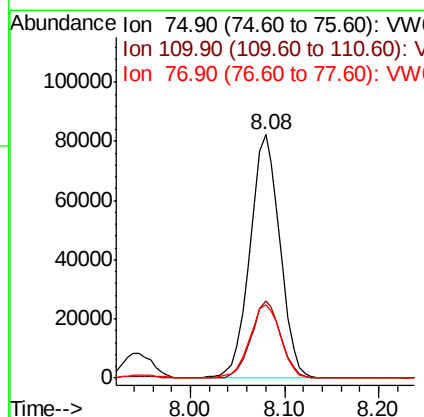
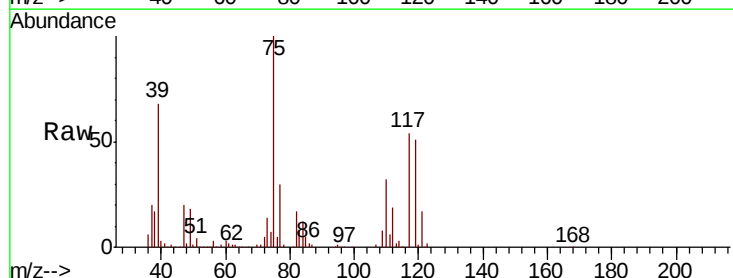
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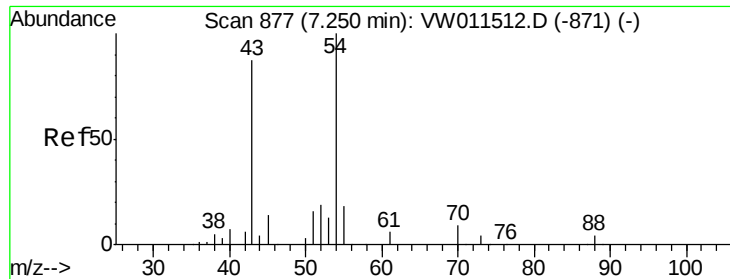
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#36
 1,1-Dichloropropene
 Concen: 47.642 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	183097		
110	31.3	15.6	46.8	
77	31.3	24.3	36.5	





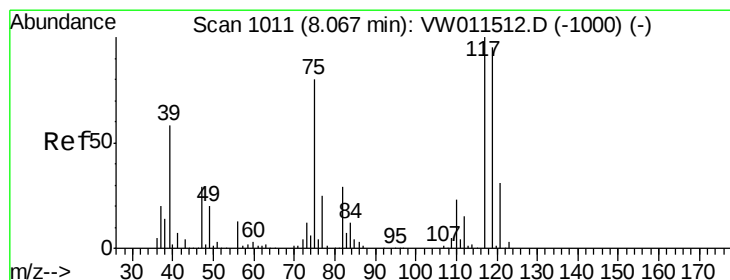
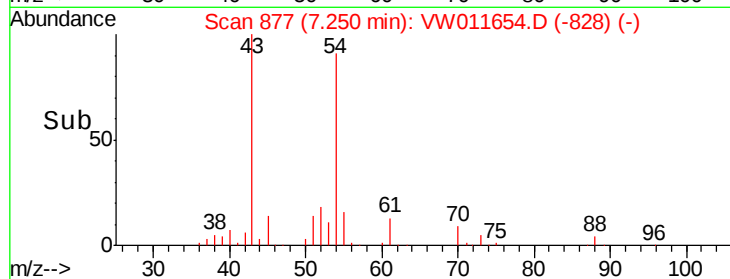
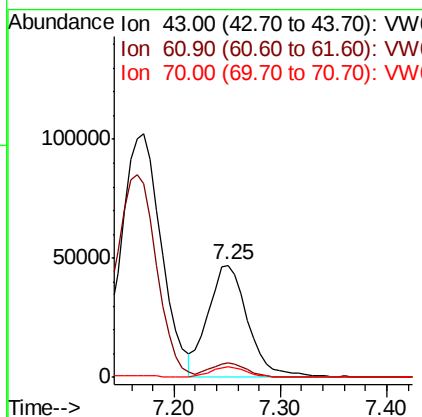
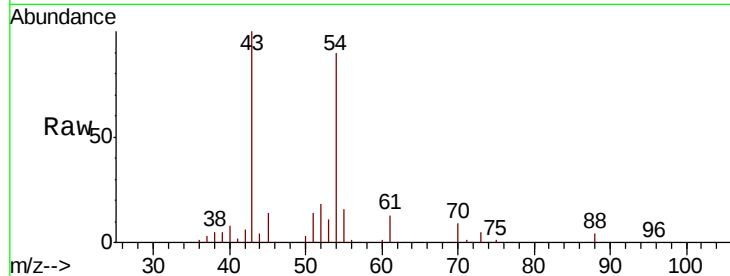
#37
Ethyl Acetate
Concen: 54.451 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	120395
Ion Ratio	Lower	Upper	
43	100		
61	11.8	8.8	13.2
70	8.6	7.1	10.7

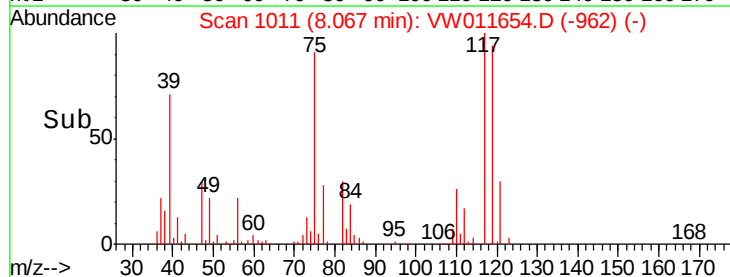
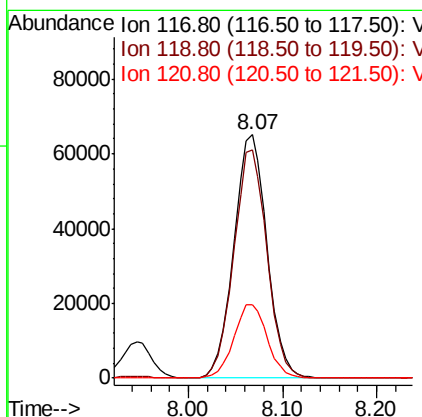
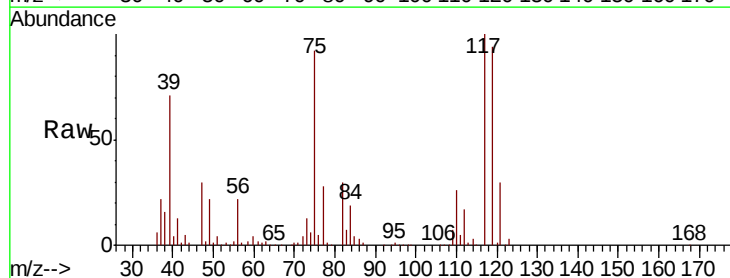
Manual Integrations
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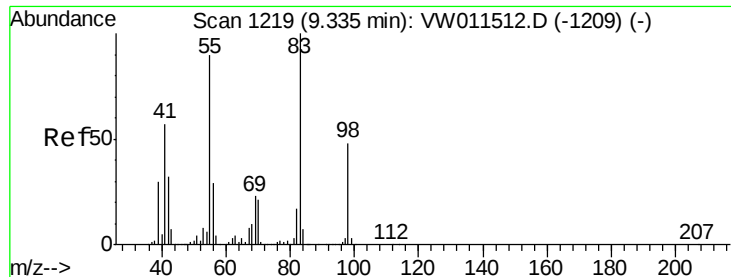
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#38
Carbon Tetrachloride
Concen: 48.545 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	117	Resp	159714
Ion Ratio	Lower	Upper	
117	100		
119	93.7	75.8	113.6
121	30.4	24.7	37.1





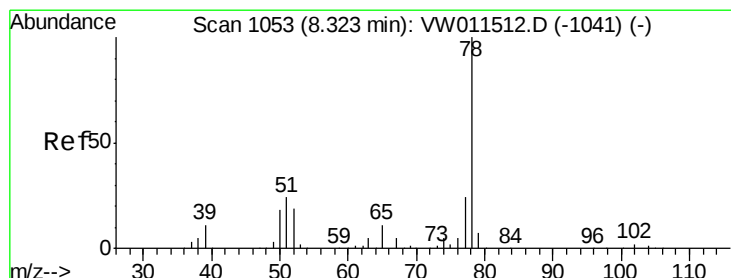
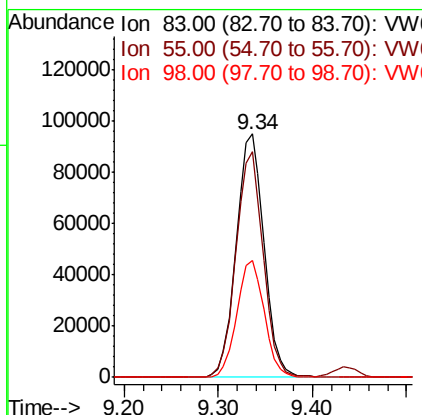
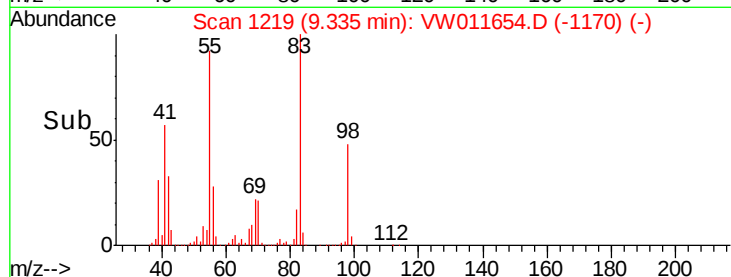
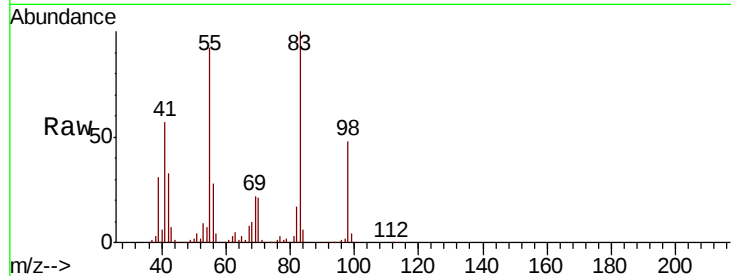
#39
Methvlcvclohexane
Concen: 46.238 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.5	72.1	108.1
98	48.1	38.6	57.8

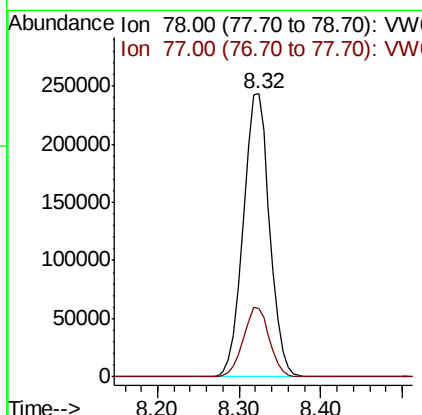
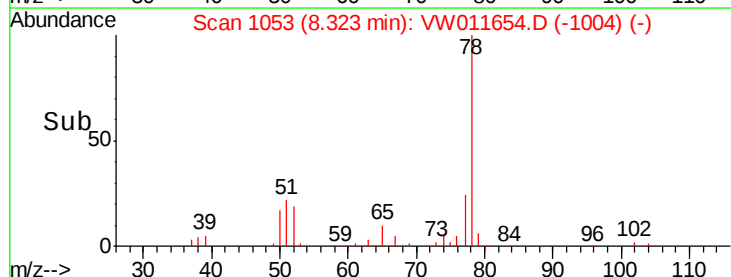
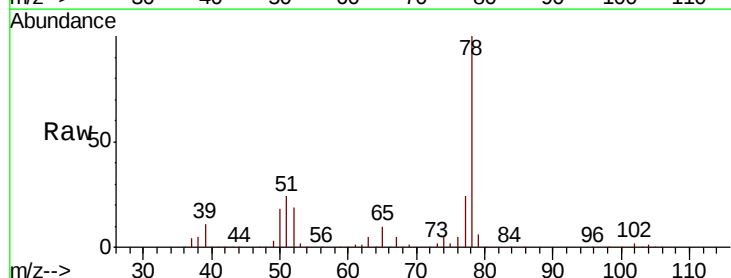
Manual Integrations
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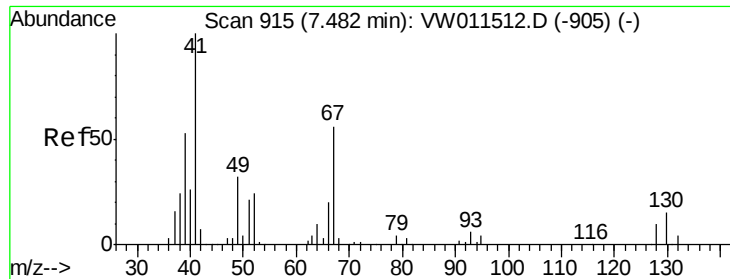
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#40
Benzene
Concen: 50.637 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





#41

Methacrylonitrile

Concen: 56.668 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

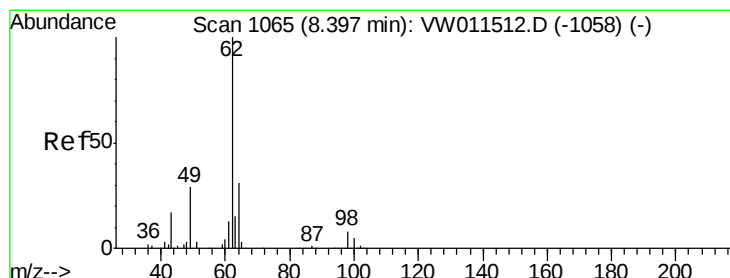
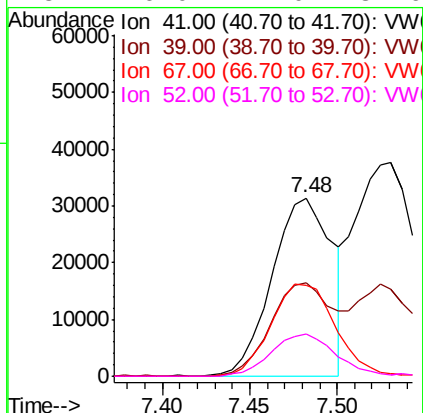
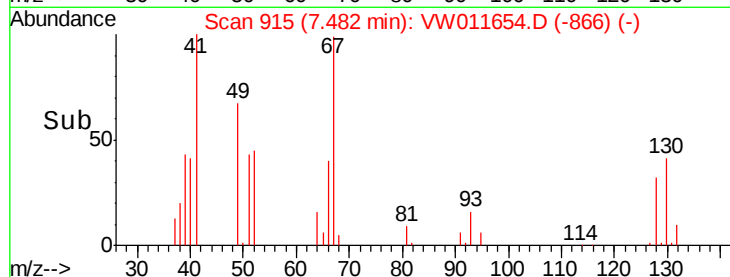
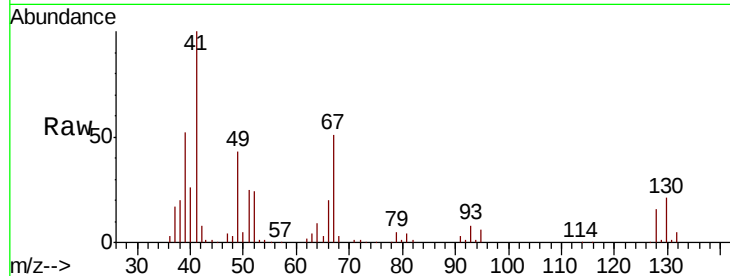
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.6	43.0	64.4
67	56.4	47.5	71.3
52	26.0	21.0	31.6

Manual Integrations
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8/6/2019 9:20:09 AM



#42

1,2-Dichloroethane

Concen: 53.459 ug/l

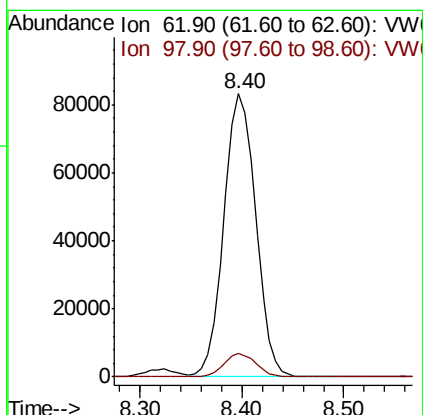
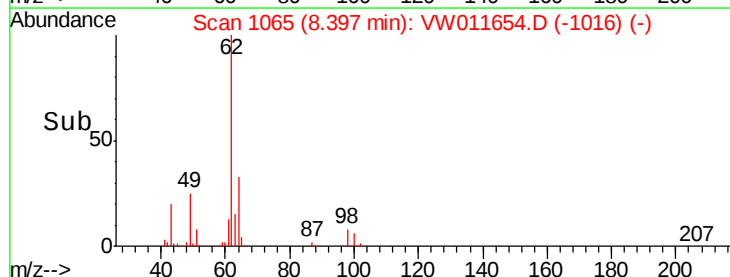
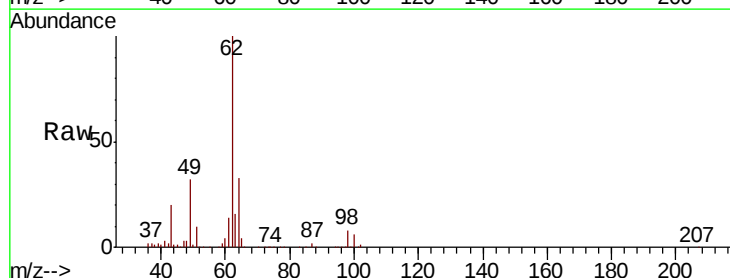
RT: 8.40 min Scan# 1065

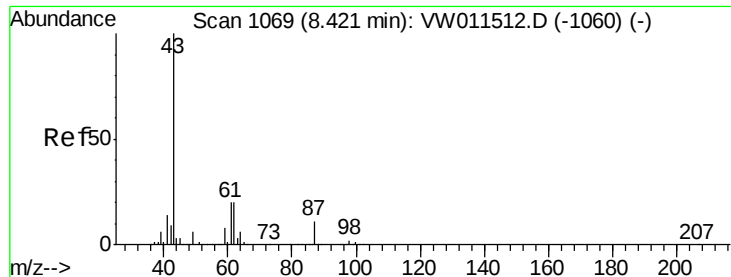
Delta R.T. -0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





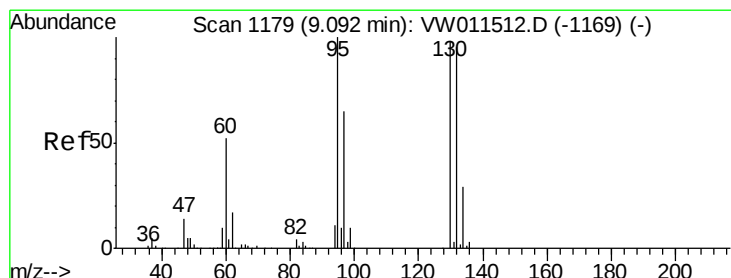
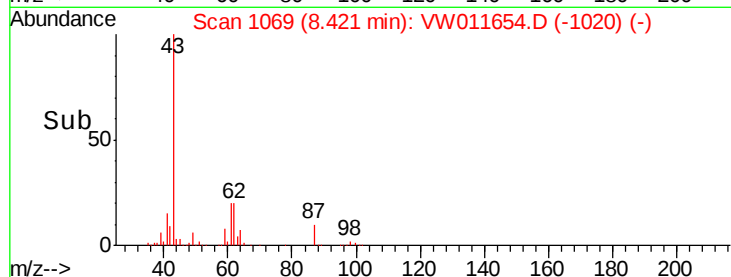
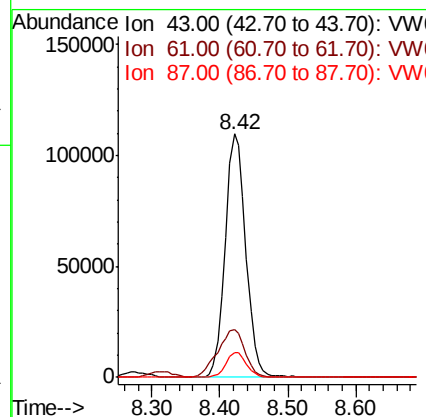
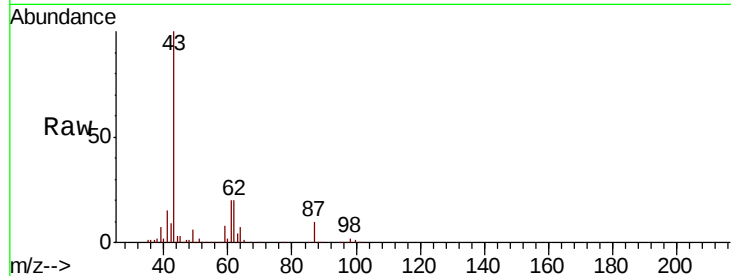
#43
Isopropyl Acetate
Concen: 56.349 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	229133
Ion	Ratio	Lower	Upper
43	100		
61	25.8	21.5	32.3
87	10.3	8.4	12.6

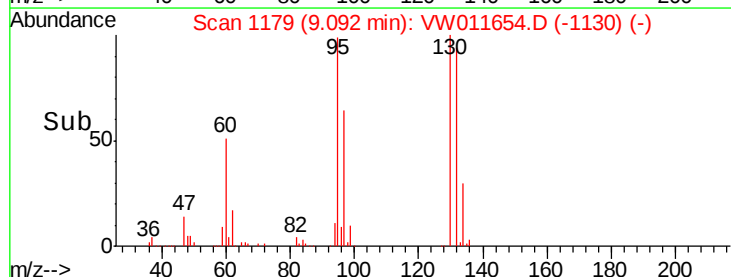
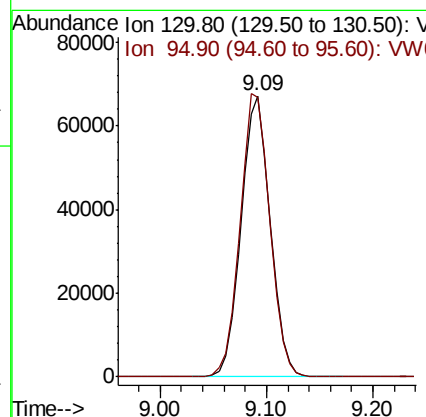
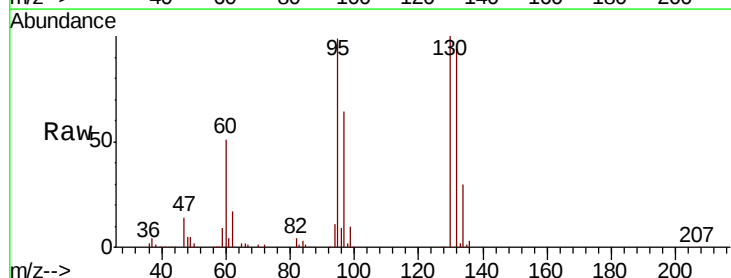
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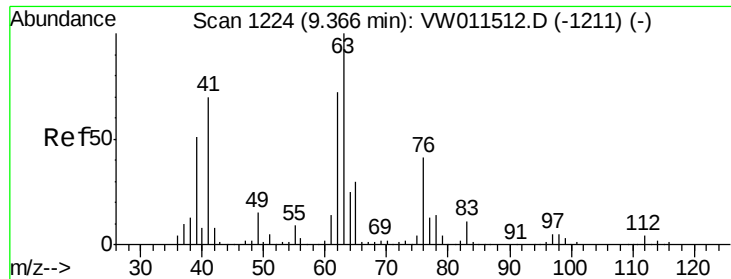
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8/6/2019 9:20:09 AM



#44
Trichloroethene
Concen: 49.912 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	130	Resp	129138
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	204.8





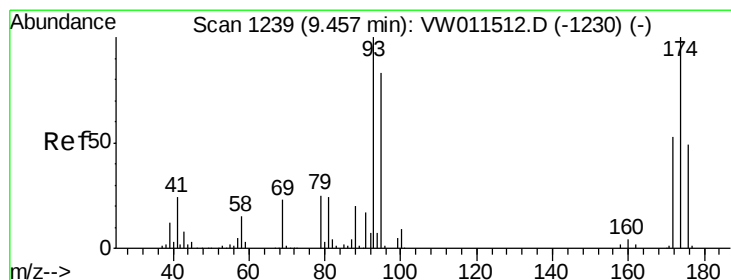
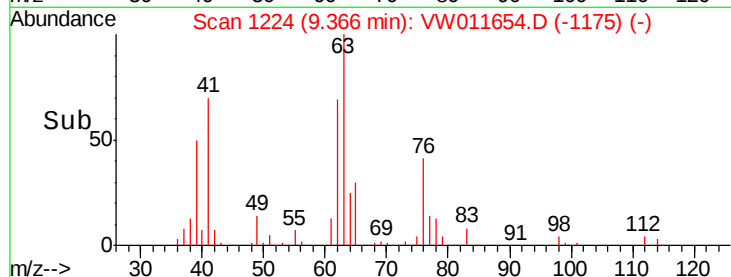
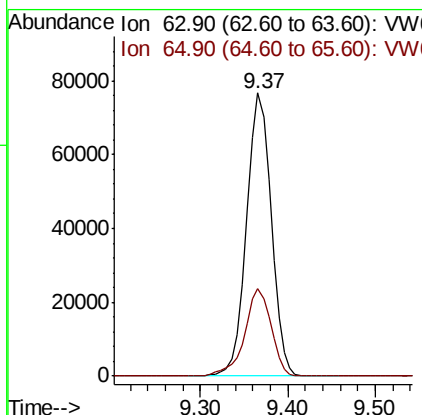
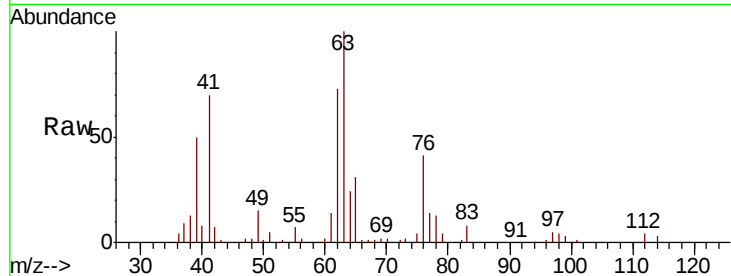
#45
 1,2-Dichloropropane
 Concen: 52.399 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.2	36.4

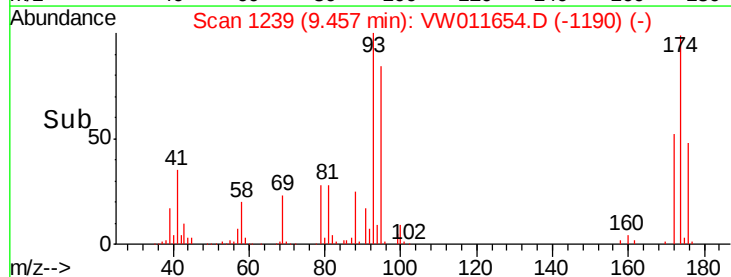
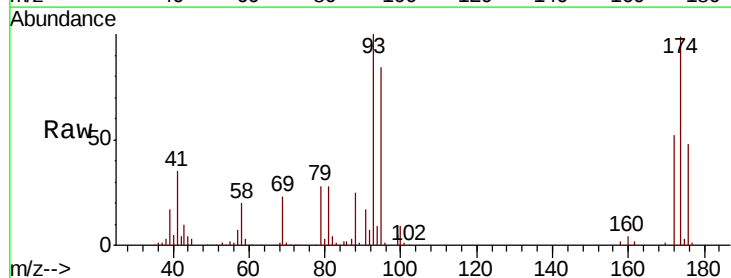
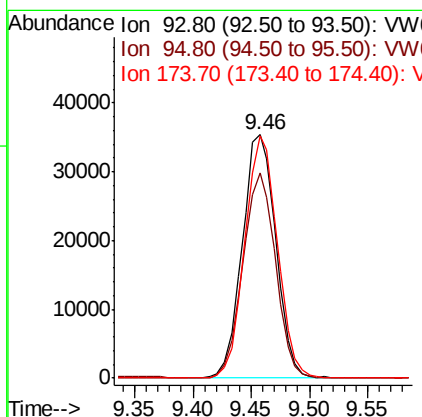
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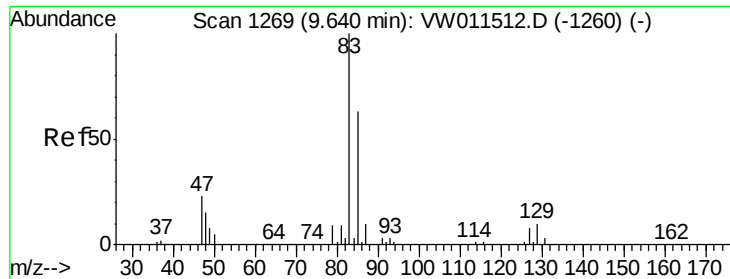
MMDadoda
 8/6/2019 9:20:09 AM



#46
 Dibromomethane
 Concen: 54.210 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.2	99.2
174	96.6	78.2	117.4





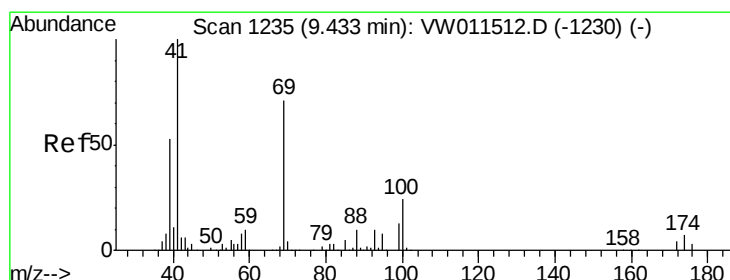
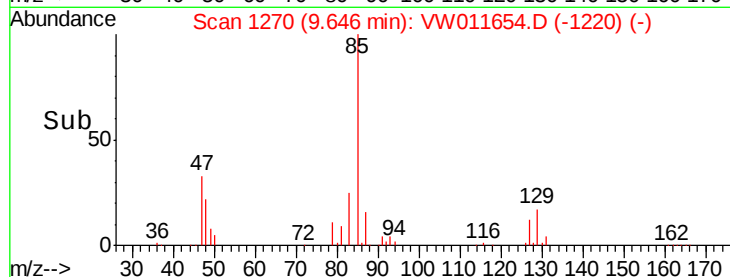
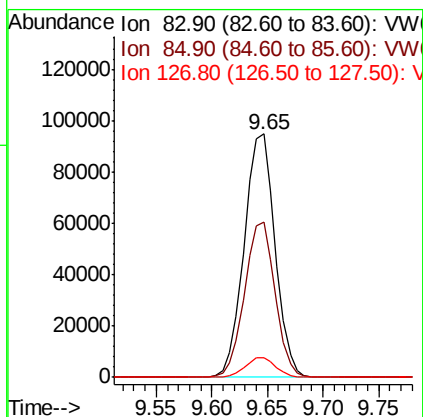
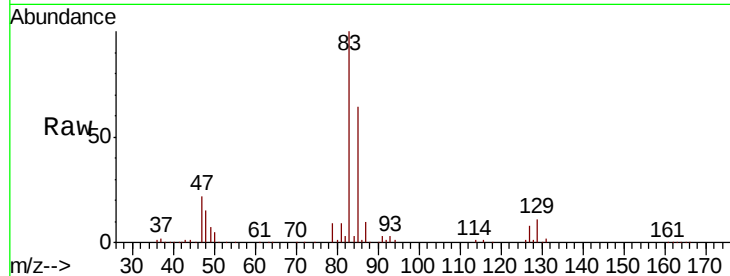
#47
Bromodichloromethane
Concen: 52.998 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	182763
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	50.5	75.7
127	7.9	6.4	9.6

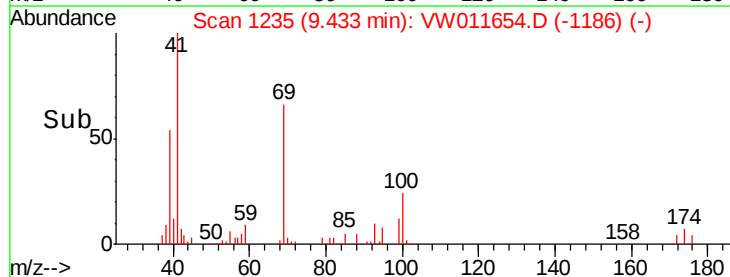
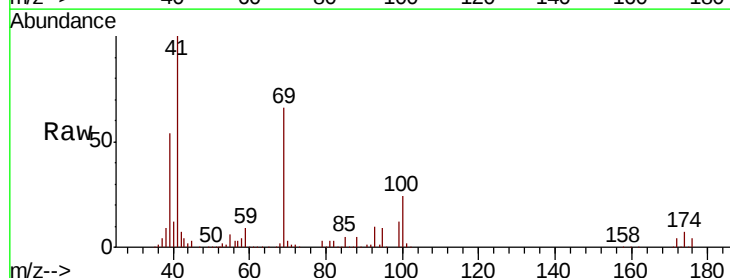
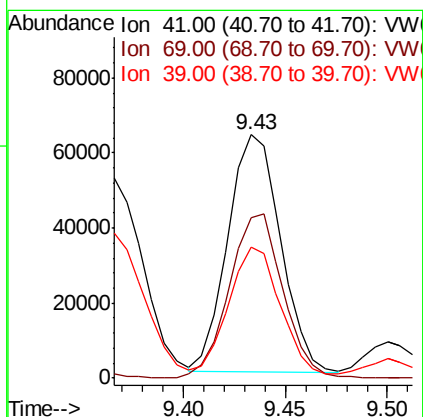
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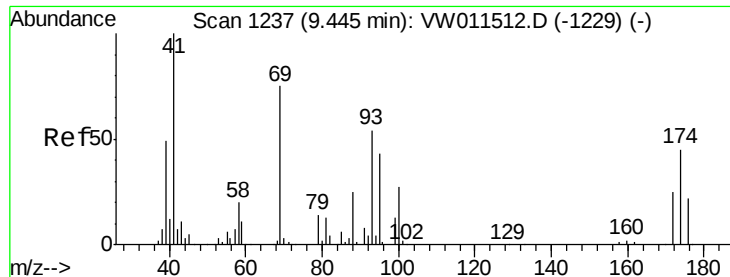
MMDadoda
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#48
Methyl methacrylate
Concen: 57.919 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	41	Resp	113135
Ion Ratio	100	Lower	Upper
41	100		
69	71.0	57.1	85.7
39	55.7	45.4	68.2





#49

1,4-Dioxane

Concen: 1117.667 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 21275

Ion Ratio Lower Upper

88 100

43 39.1 34.0 51.0

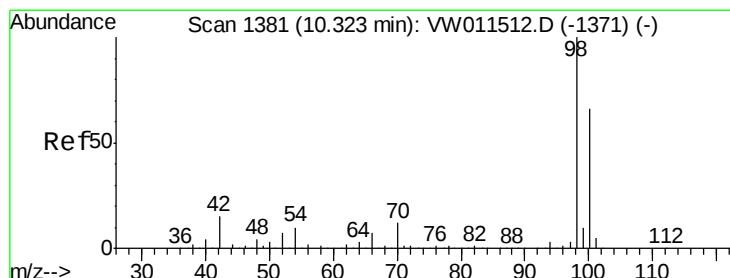
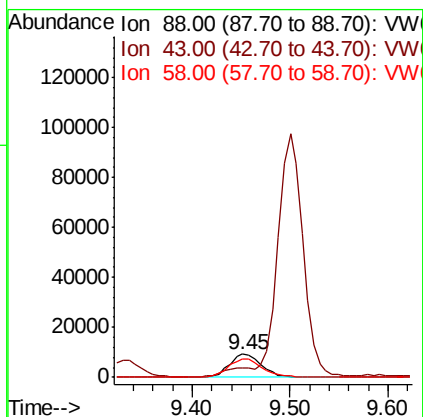
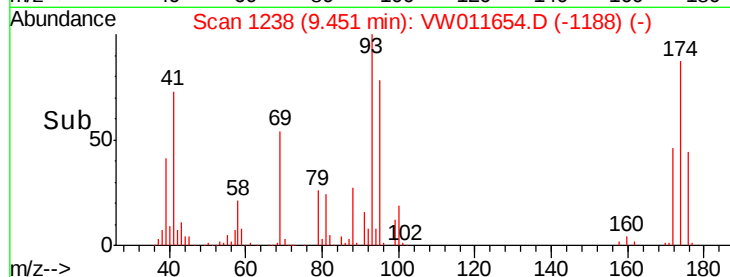
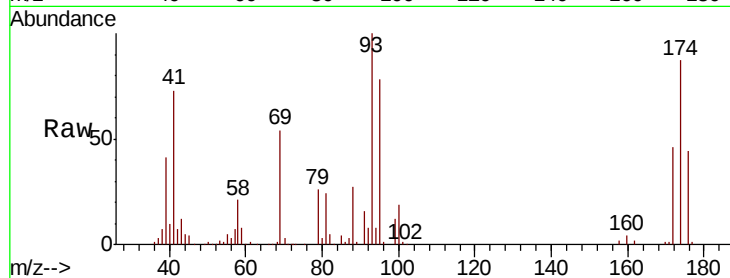
58 85.9 69.7 104.5

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#50

Toluene-d8

Concen: 49.209 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011654.D

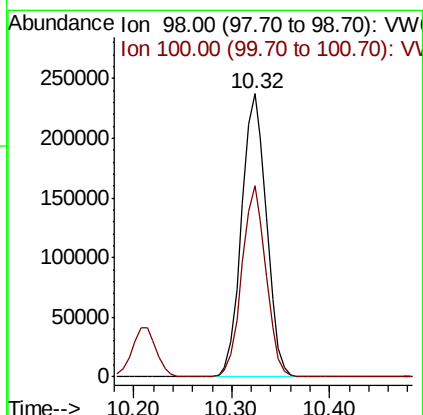
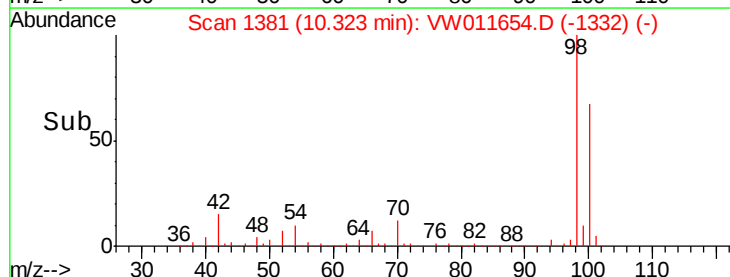
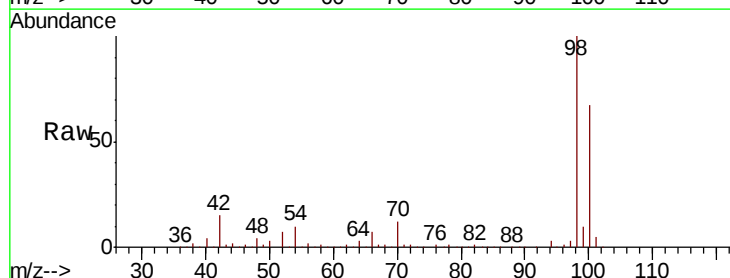
Acq: 03 Aug 2019 07:18

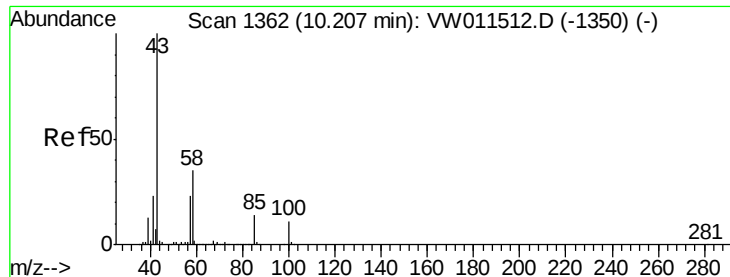
Tgt Ion: 98 Resp: 417765

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 290.104 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 613602

Ion Ratio Lower Upper

43 100

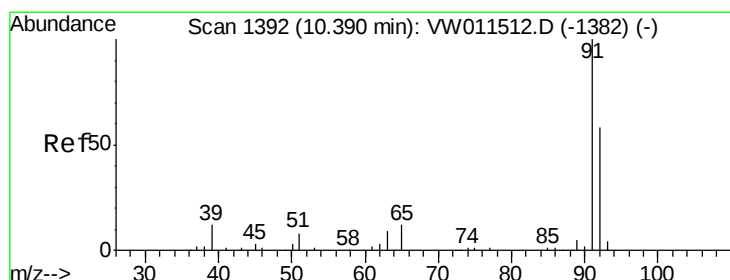
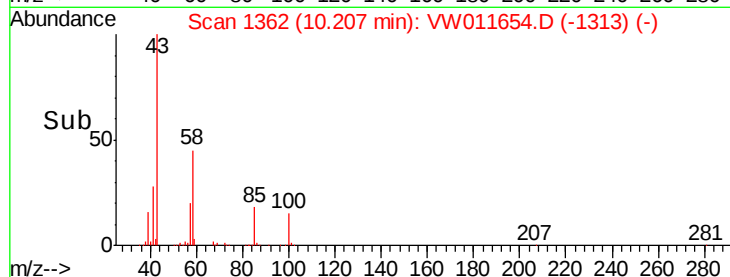
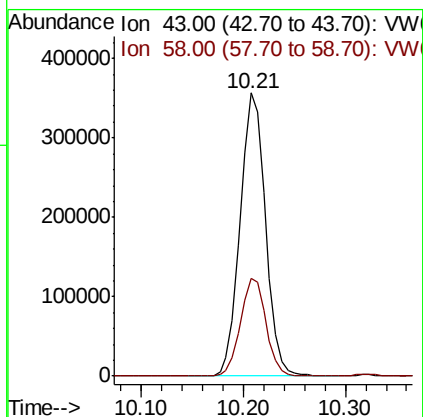
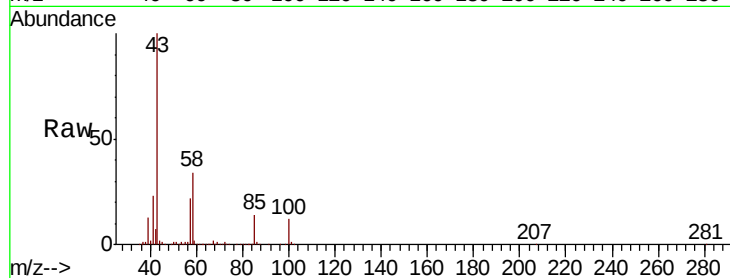
58 34.8 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 50.975 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011654.D

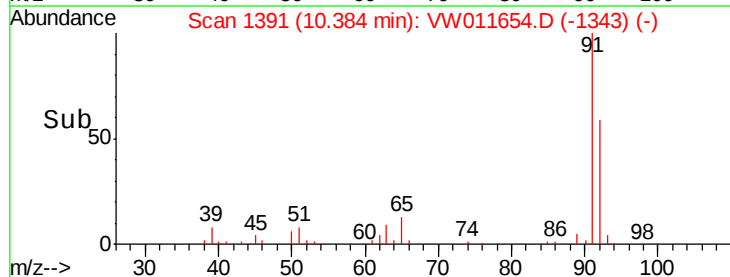
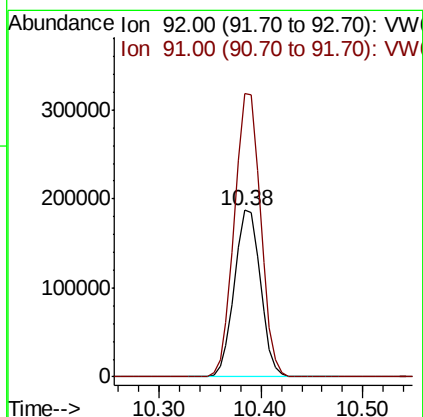
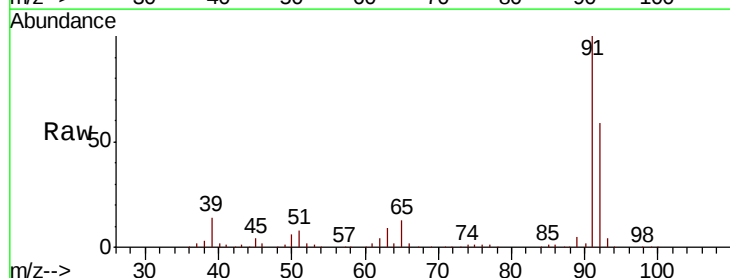
Acq: 03 Aug 2019 07:18

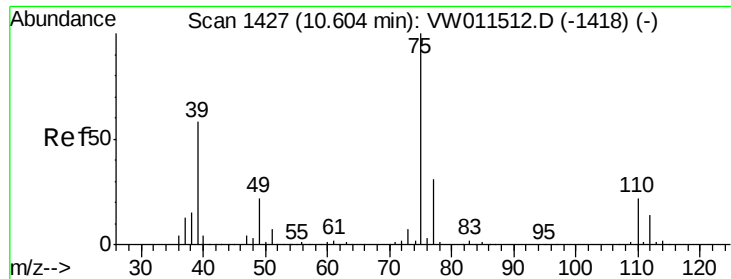
Tgt Ion: 92 Resp: 331382

Ion Ratio Lower Upper

92 100

91 171.2 136.7 205.1





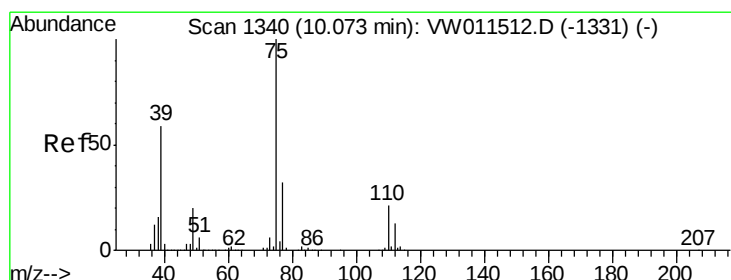
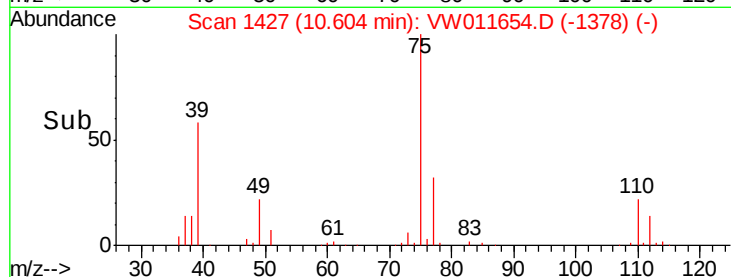
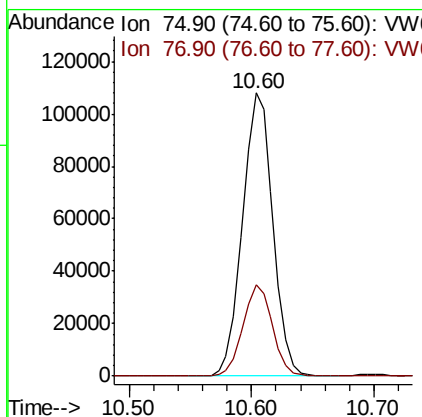
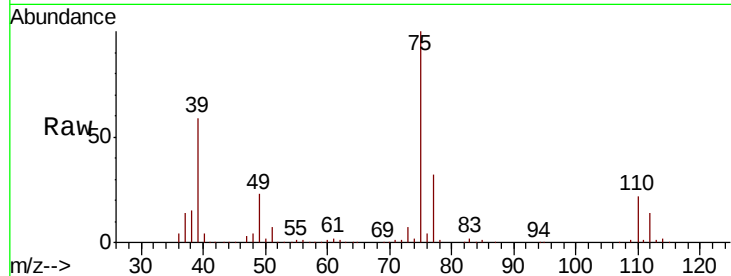
#53
t-1,3-Dichloropropene
Concen: 51.464 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 185390
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4

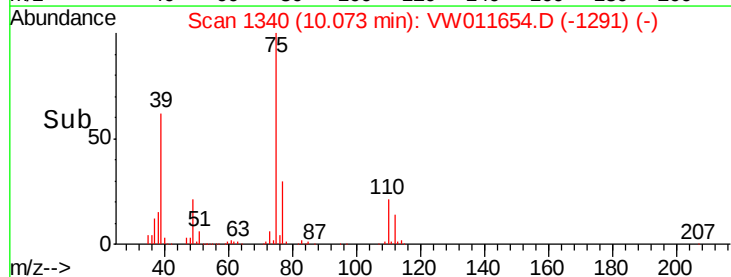
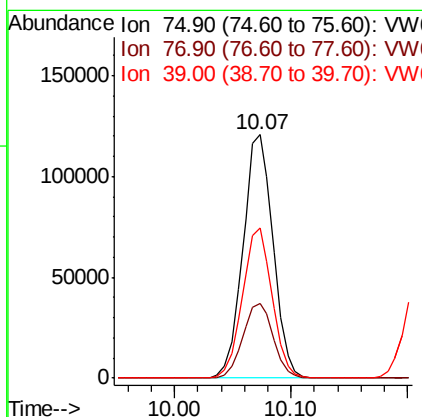
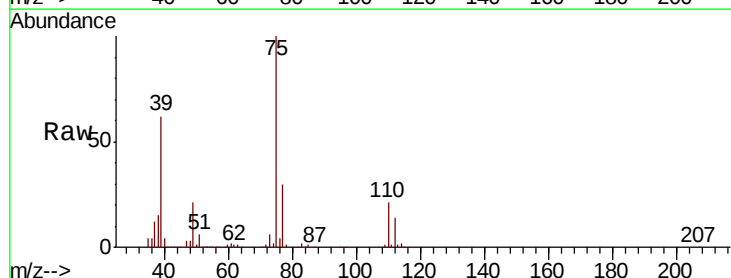
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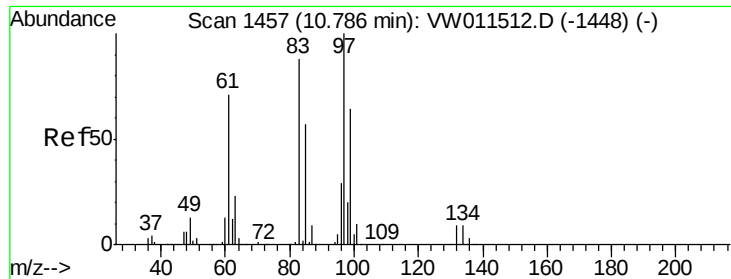
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#54
cis-1,3-Dichloropropene
Concen: 50.798 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion: 75 Resp: 217575
Ion Ratio Lower Upper
75 100
77 30.5 25.6 38.4
39 61.6 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 54.367 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

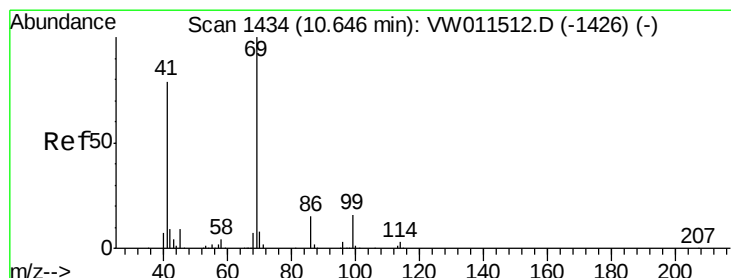
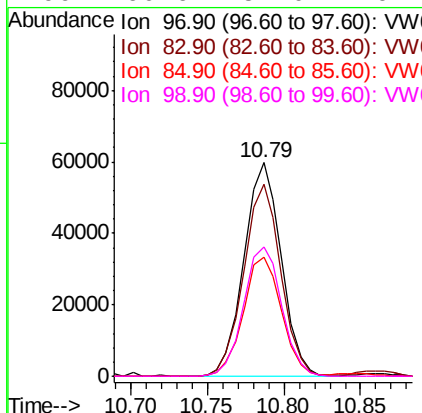
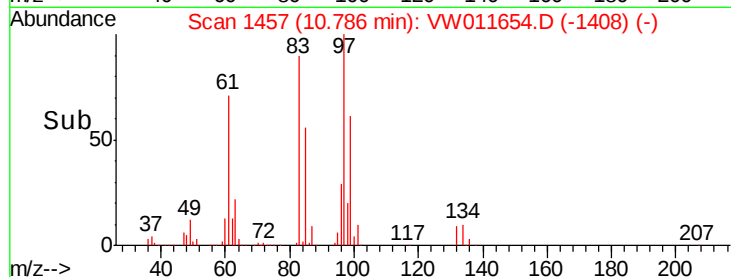
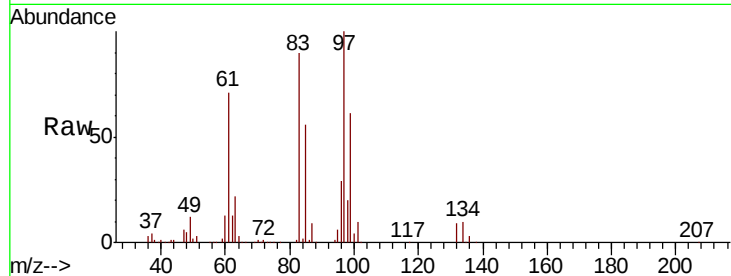
ClientSampled :

VSTDCCC050EC

Tot Ion:	97	Resp:	101410
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.5	105.7
85	56.0	45.8	68.6
99	60.6	51.0	76.4

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#56

Ethyl methacrylate

Concen: 57.203 ug/l

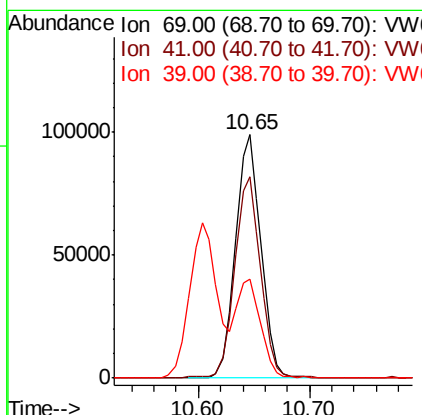
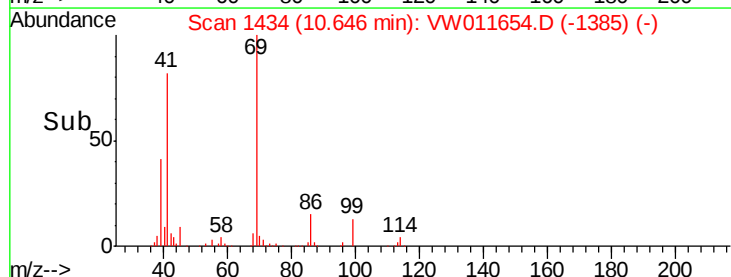
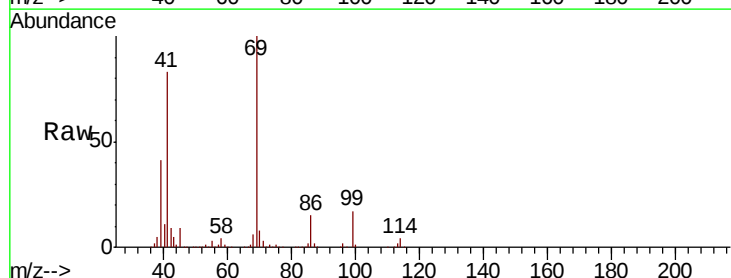
RT: 10.65 min Scan# 1434

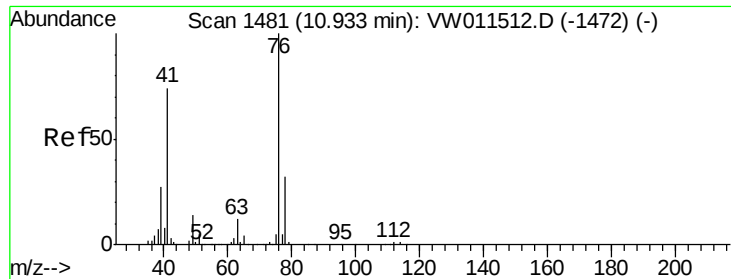
Delta R.T. 0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Tgt Ion:	69	Resp:	156136
Ion	Ratio	Lower	Upper
69	100		
41	84.2	66.6	99.8
39	38.1	30.3	45.5





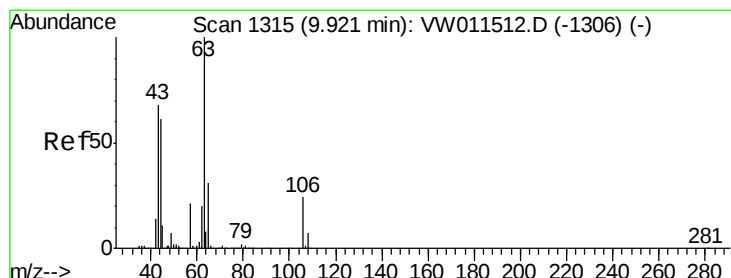
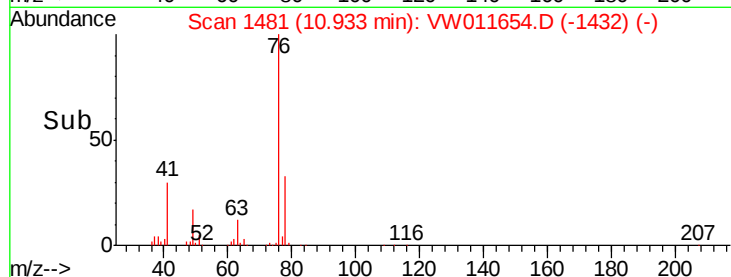
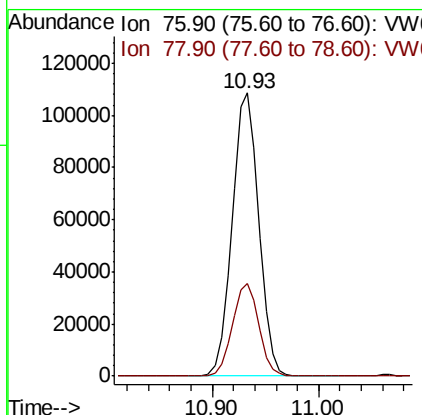
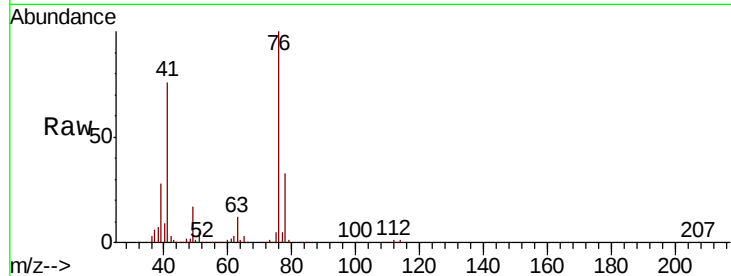
#57
 1,3-Dichloropropane
 Concen: 53.793 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 189832
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8

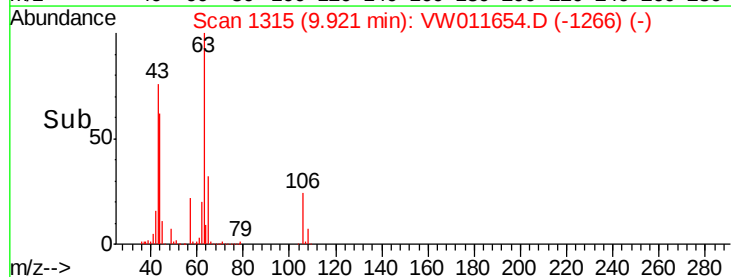
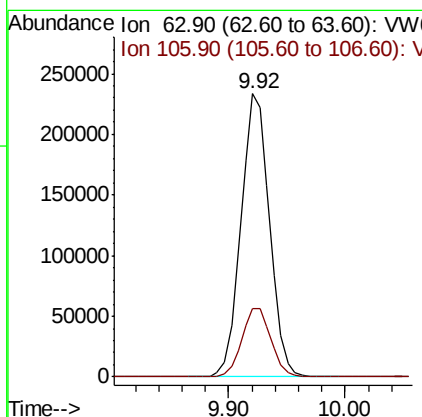
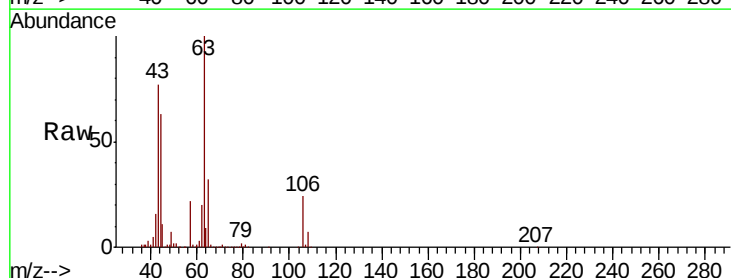
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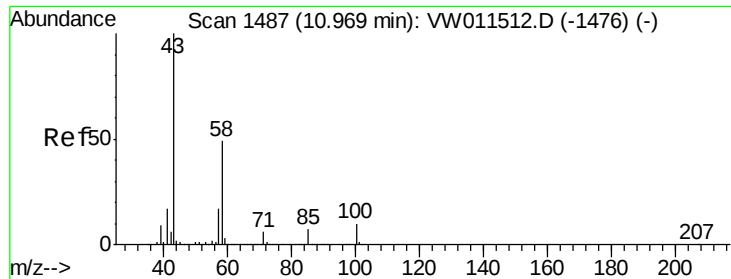
MMDadoda
 8/6/2019 9:20:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 321.618 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Tgt Ion: 63 Resp: 398582
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5





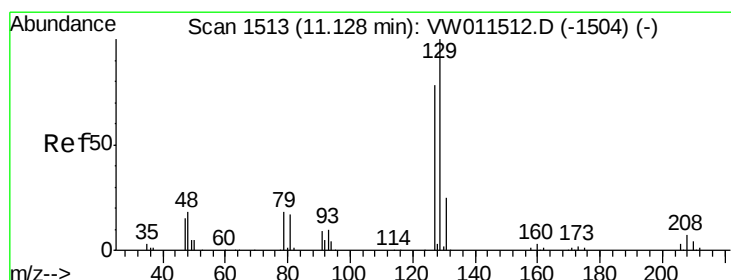
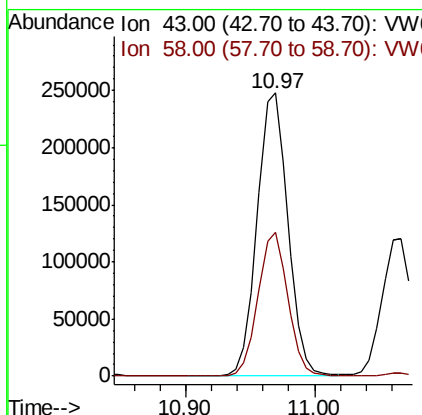
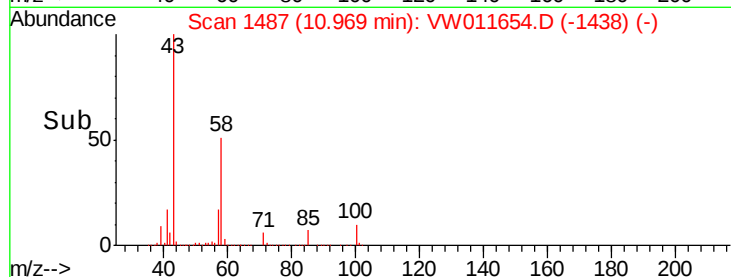
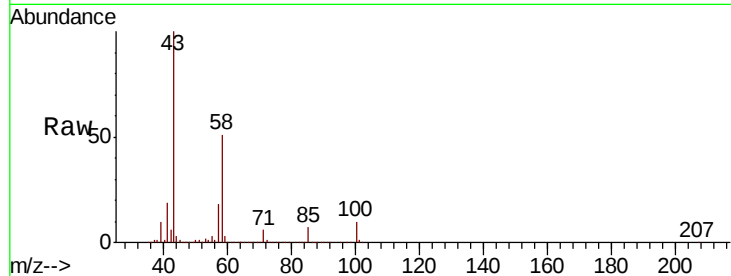
#59
2-Hexanone
Concen: 272.875 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 407512
Ion Ratio Lower Upper
43 100
58 49.5 24.3 72.9

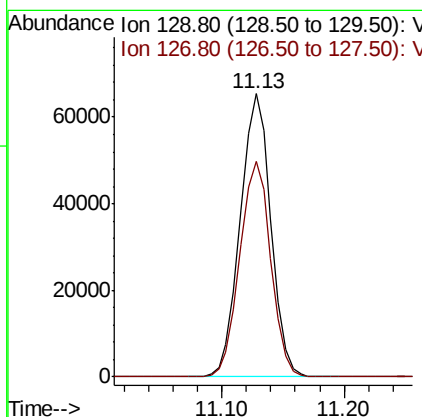
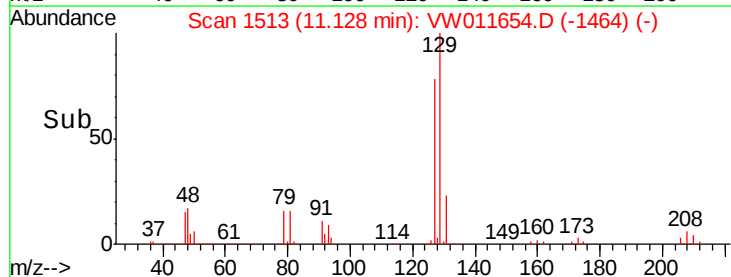
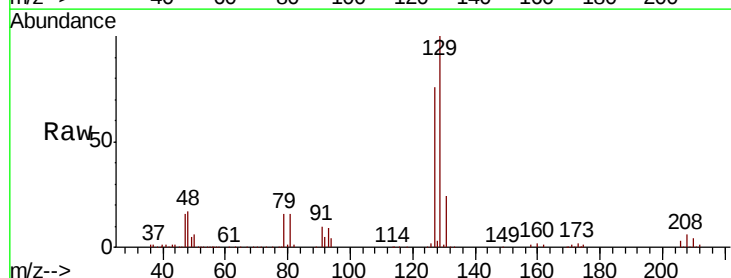
Manual Integrations
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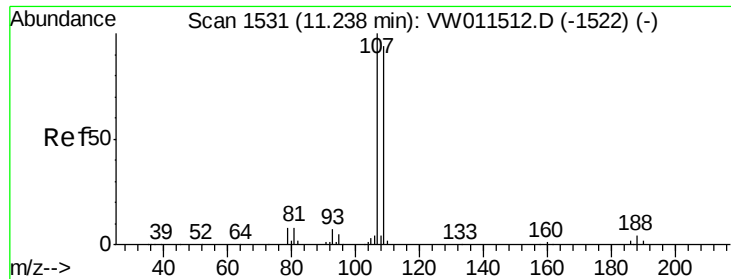
MMDadoda
8/6/2019 9:20:09 AM



#60
Dibromochloromethane
Concen: 54.780 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion: 129 Resp: 113422
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





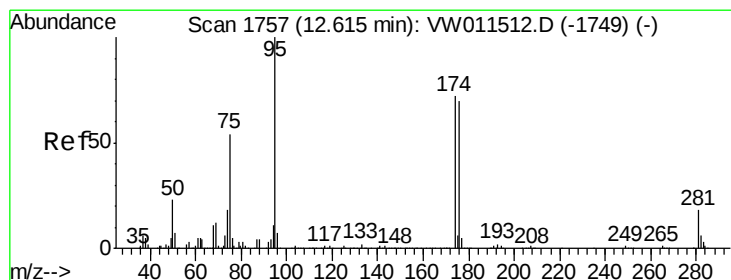
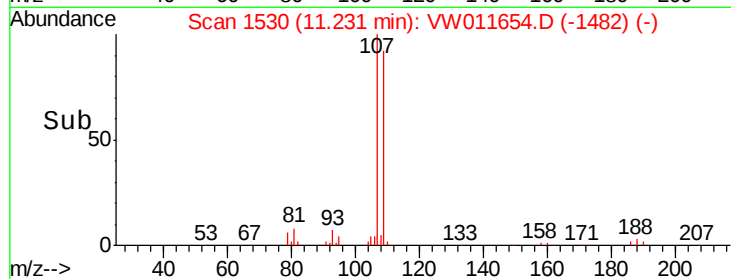
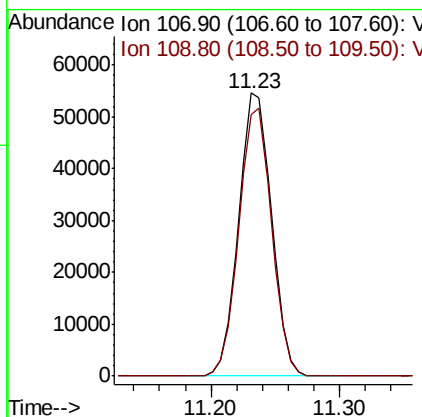
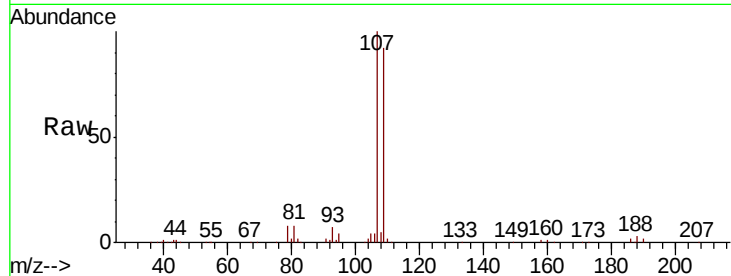
#61
 1,2-Dibromoethane
 Concen: 54.682 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.0	112.6

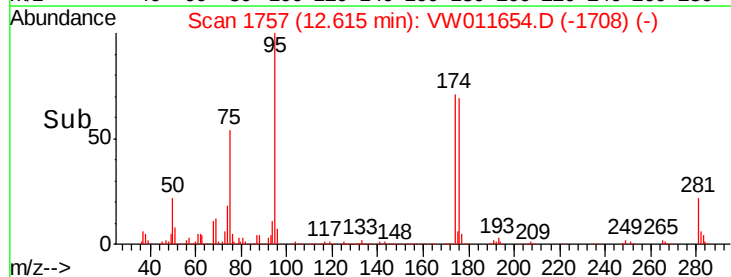
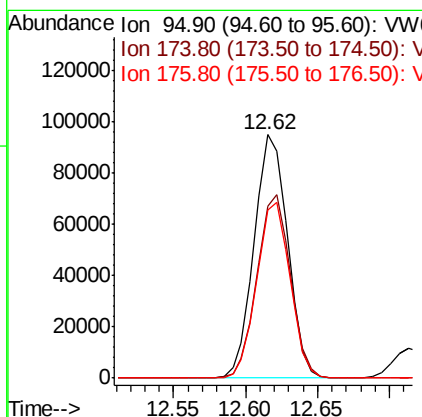
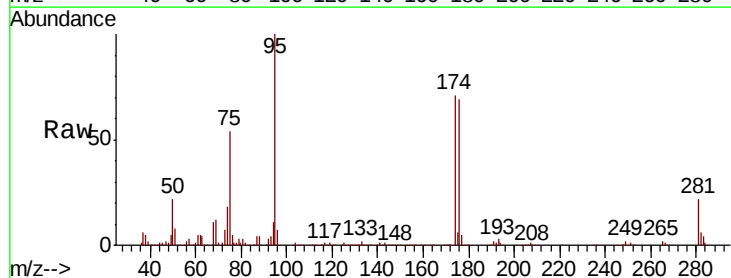
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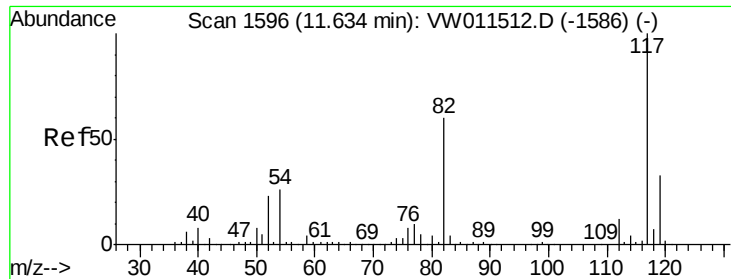
MMDadoda
 8/6/2019 9:20:09 AM



#62
 4-Bromofluorobenzene
 Concen: 50.283 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.2
176	72.1	0.0	144.4





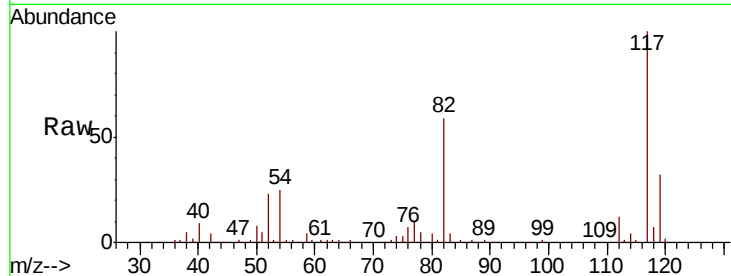
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.9	71.9
119	32.2	26.2	39.2

Manual Integrations
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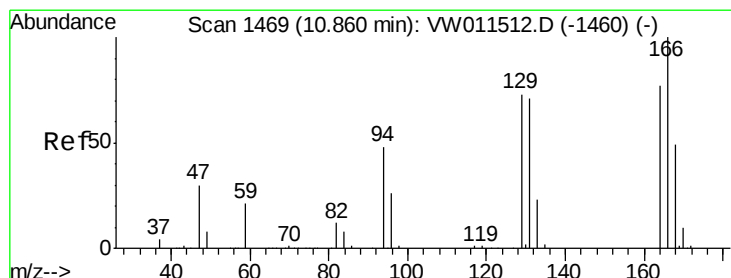
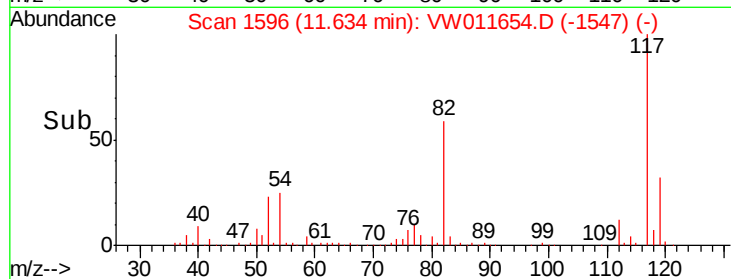
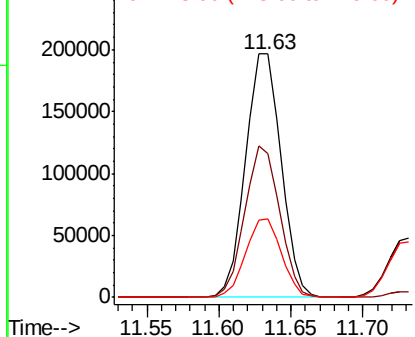


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.823 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	103.5	155.3
129	94.2	75.2	112.8
131	90.0	73.4	110.2

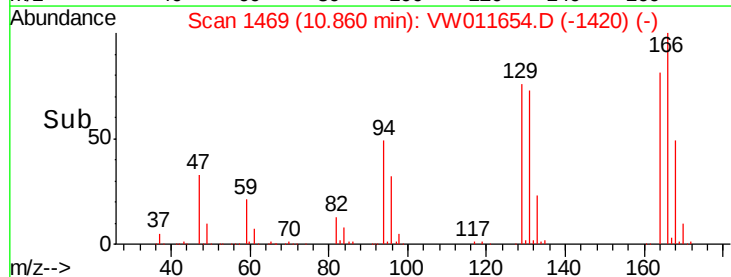
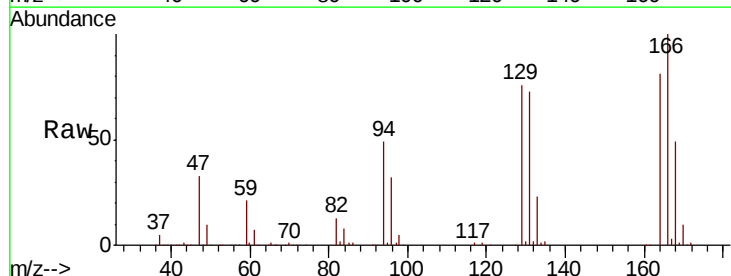
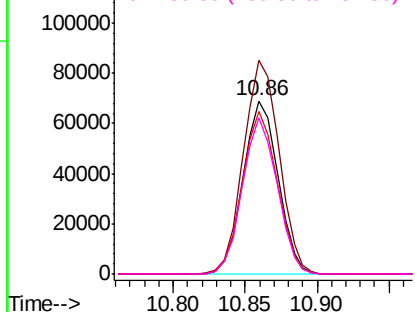
Abundance

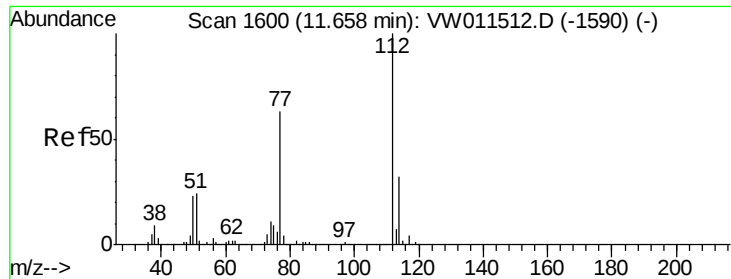
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





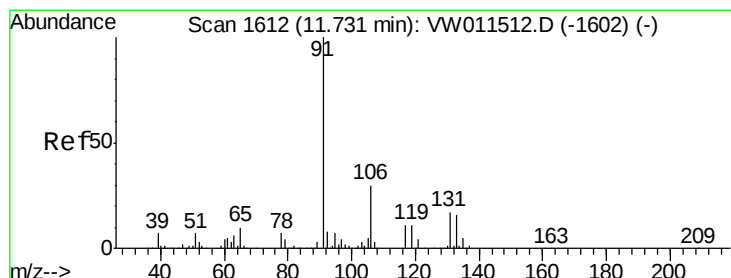
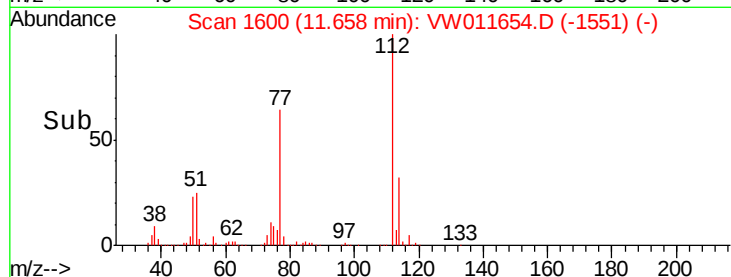
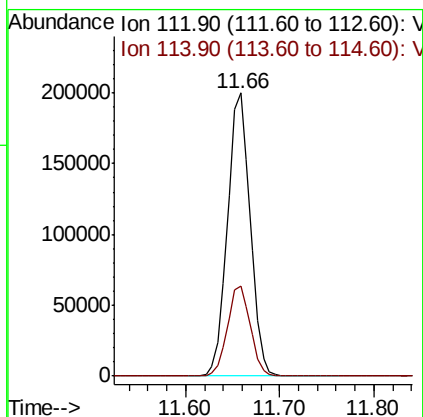
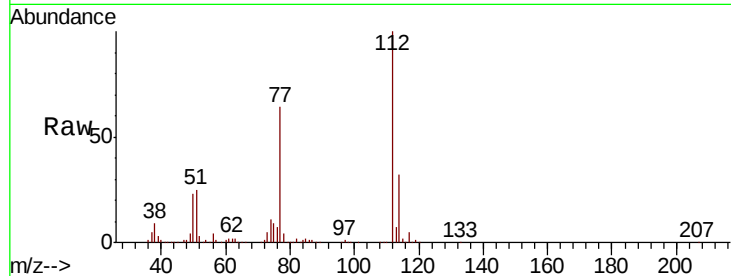
#65
Chlorobenzene
Concen: 49.265 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.6	38.4

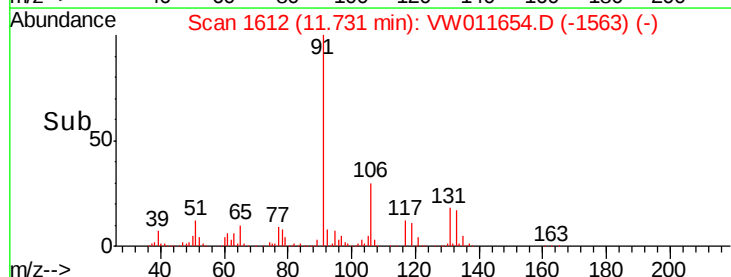
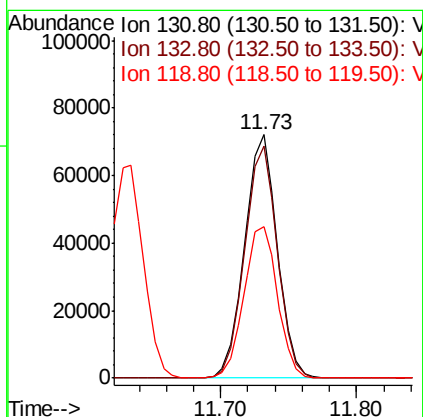
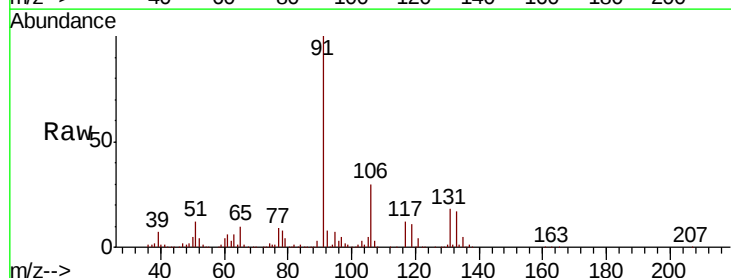
Manual Integrations
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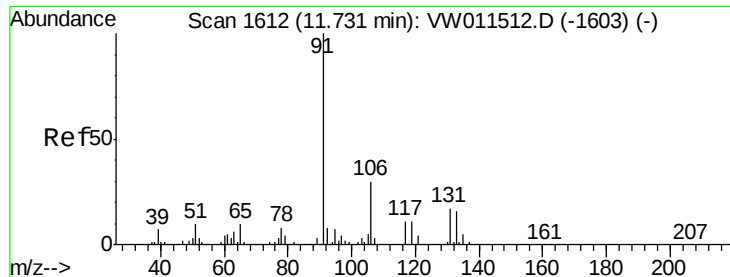
MMDadoda
8/6/2019 9:20:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.177 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.4	142.2
119	64.1	32.3	96.9





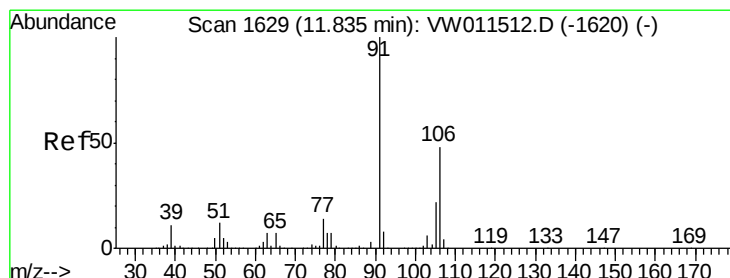
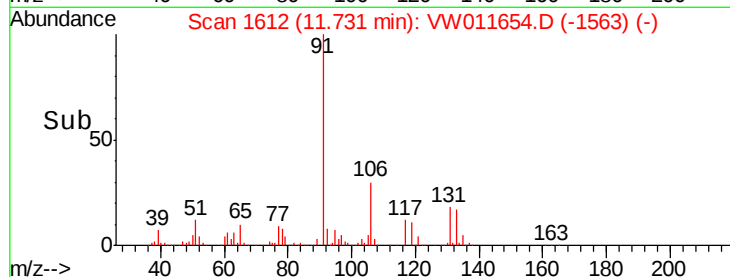
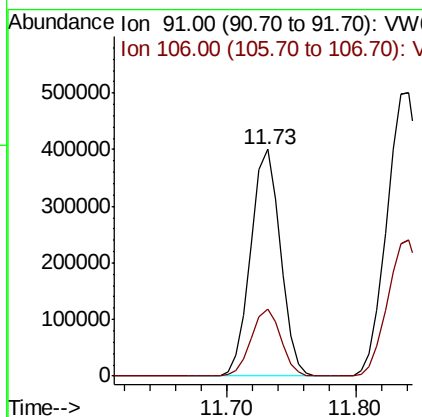
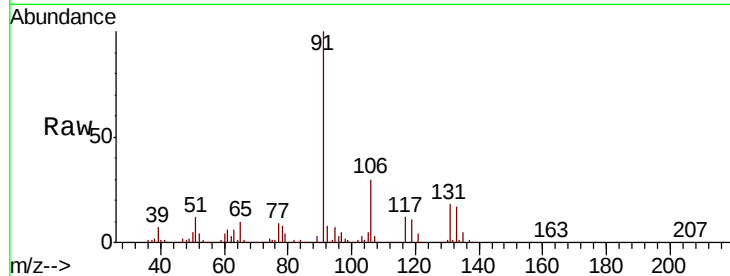
#67
Ethyl Benzene
Concen: 49.389 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 637196
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

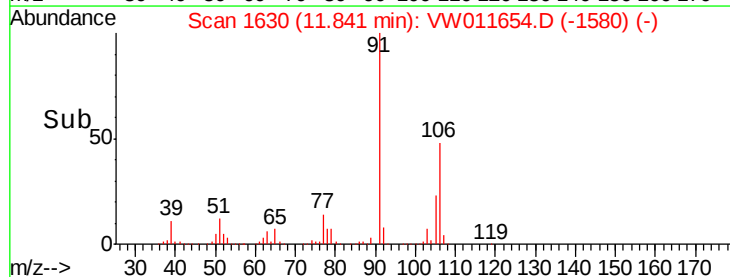
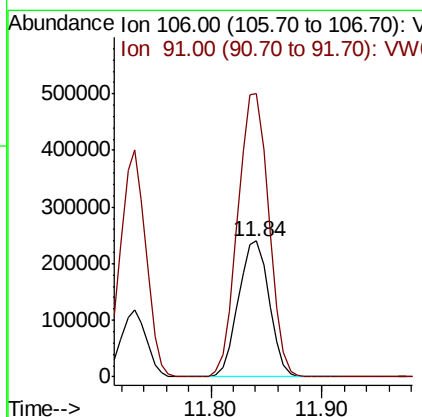
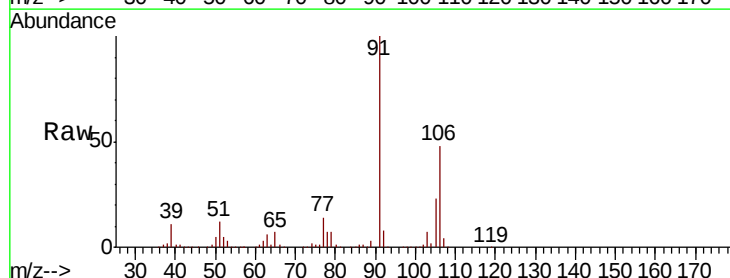
Manual Integrations
APPROVED

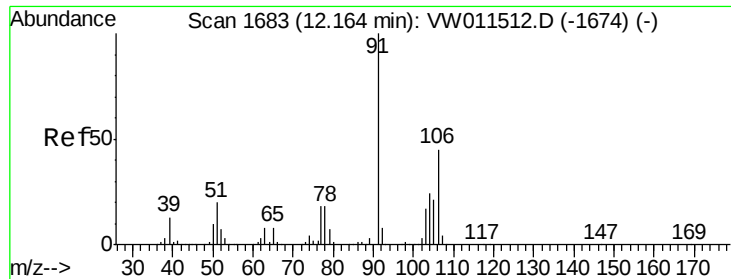
MMDadoda
8/6/2019 9:20:09 AM



#68
m/p-Xylenes
Concen: 97.982 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion: 106 Resp: 459726
Ion Ratio Lower Upper
106 100
91 210.9 168.2 252.2





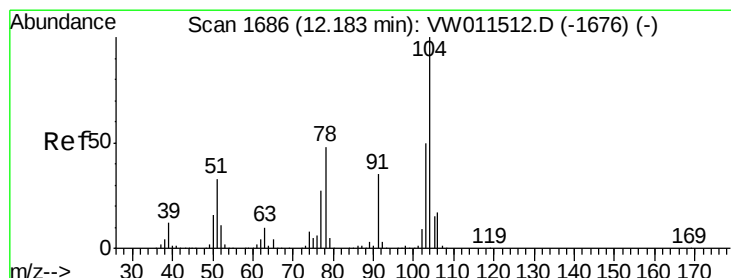
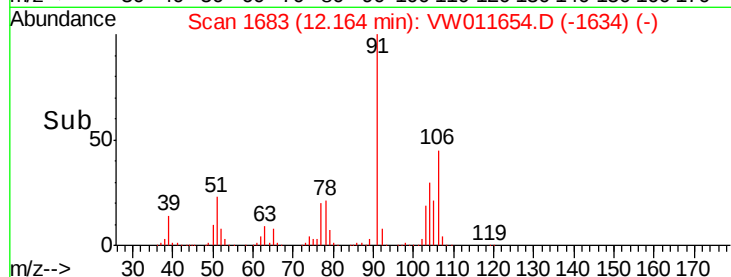
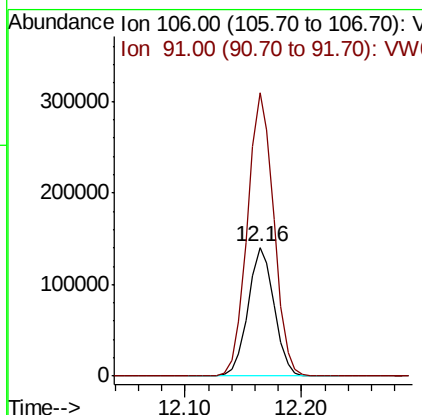
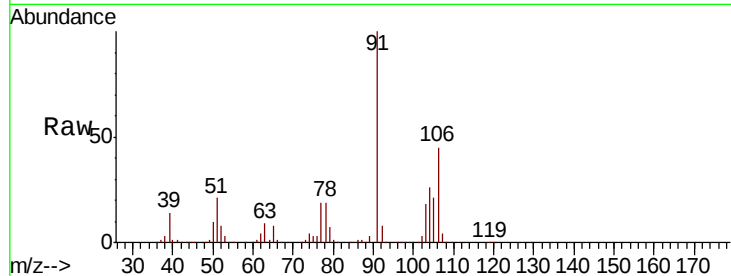
#69
o-Xylene
Concen: 50.387 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.9	110.5	331.5

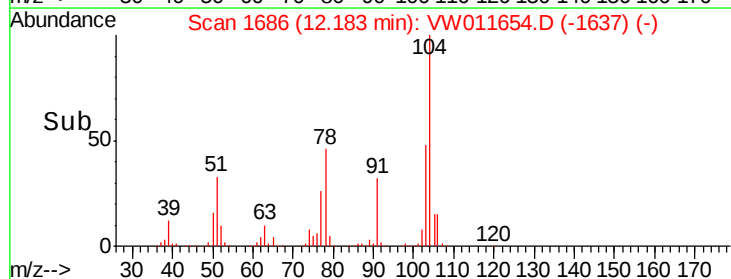
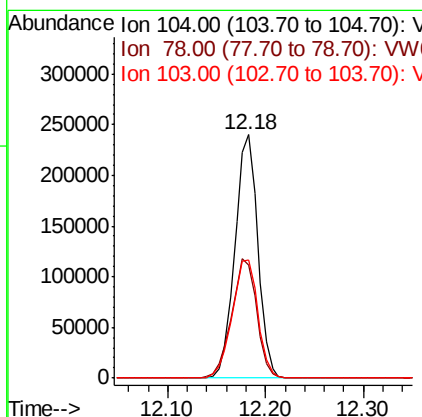
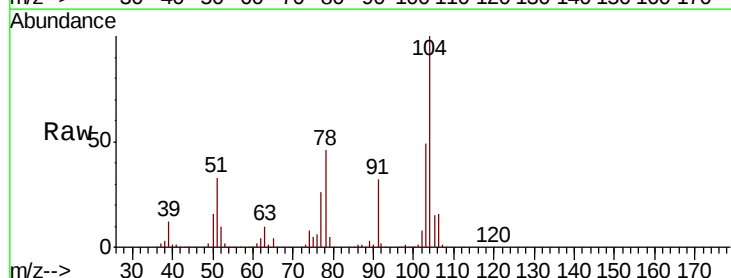
Manual Integrations
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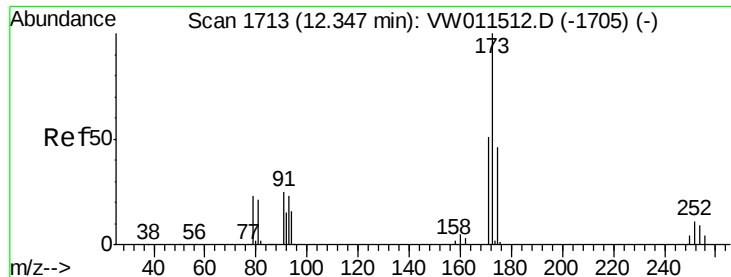
MMDadoda
8/6/2019 9:20:09 AM



#70
Styrene
Concen: 51.705 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.4	65.0
103	54.2	43.9	65.9





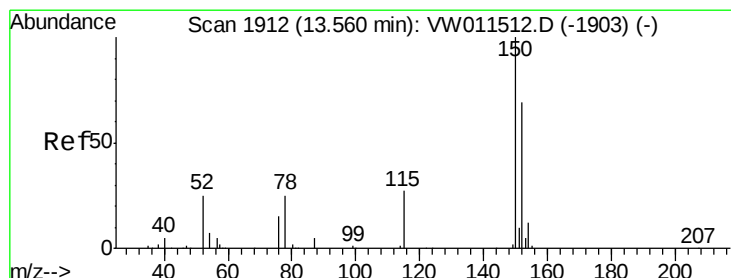
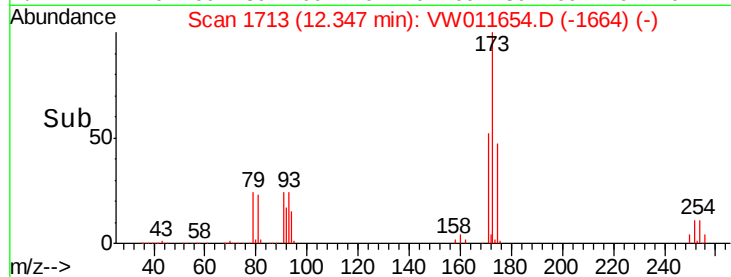
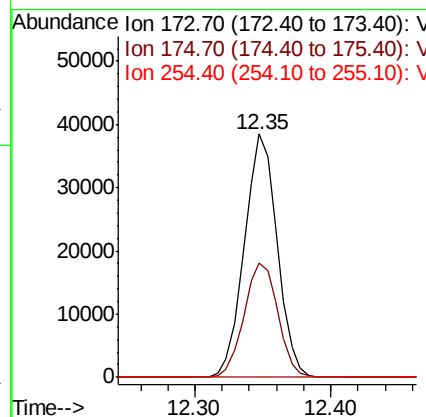
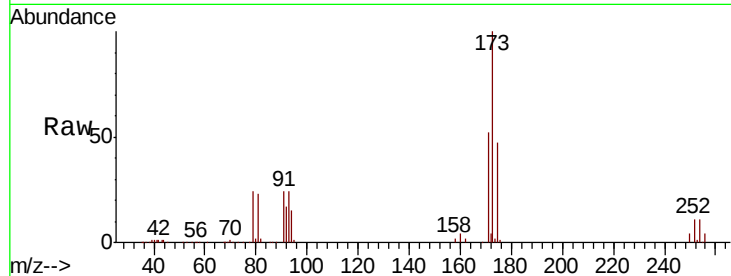
#71
Bromoform
Concen: 53.850 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.6	71.0
254	0.1	0.1	0.1

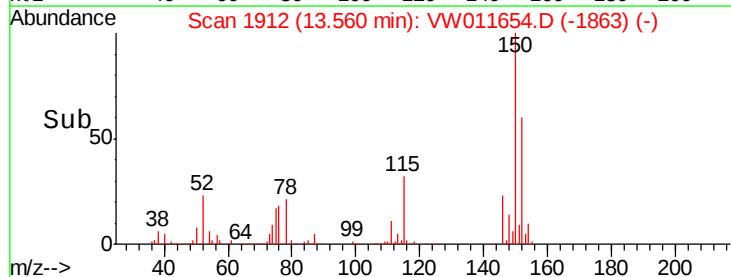
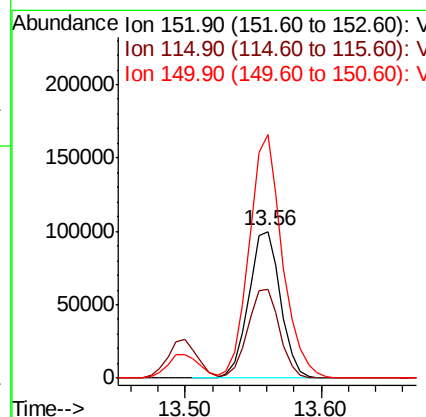
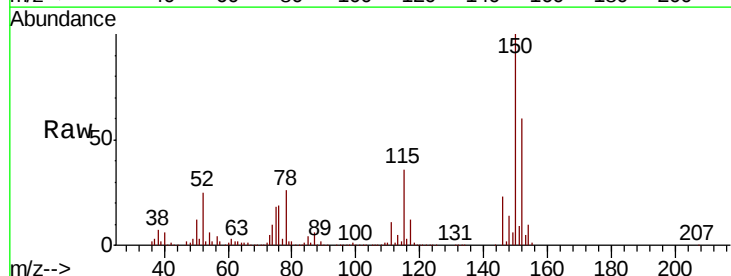
Manual Integrations
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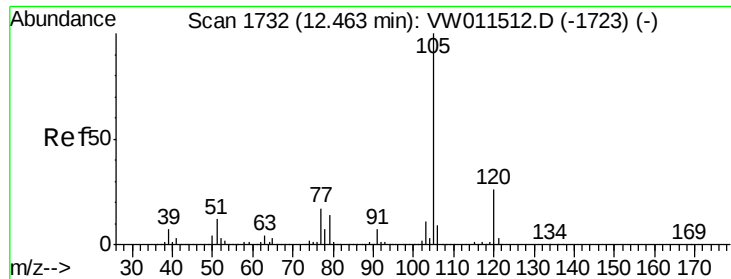
MMDadoda
8/6/2019 9:20:09 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.5	91.5
150	173.0	0.0	352.6





#73

Isopropylbenzene

Concen: 48.551 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 590068

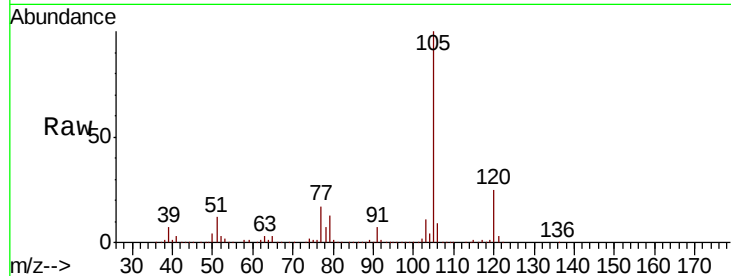
Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7

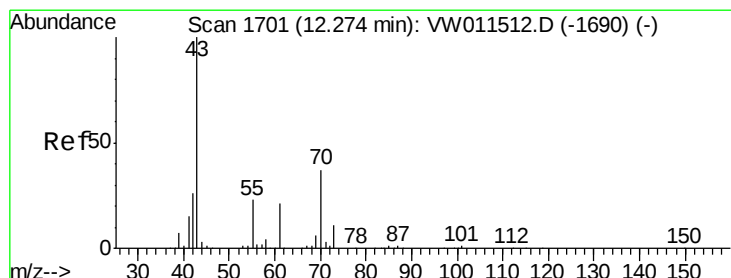
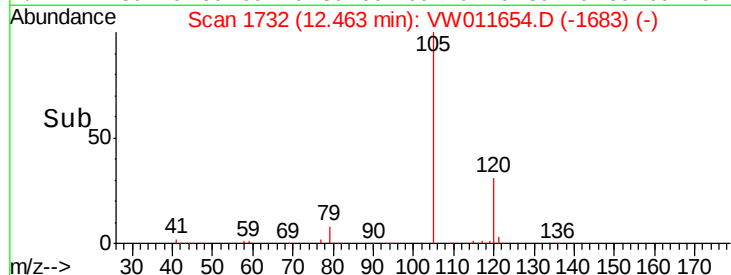
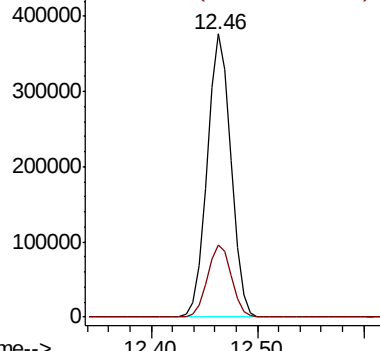
Manual Integrations
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MMDadoda
8/6/2019 9:20:09 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.403 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Tgt Ion: 43 Resp: 203200

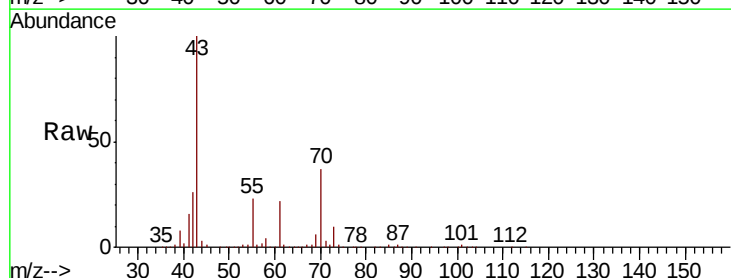
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 23.1 17.8 26.8

61 21.5 17.0 25.6

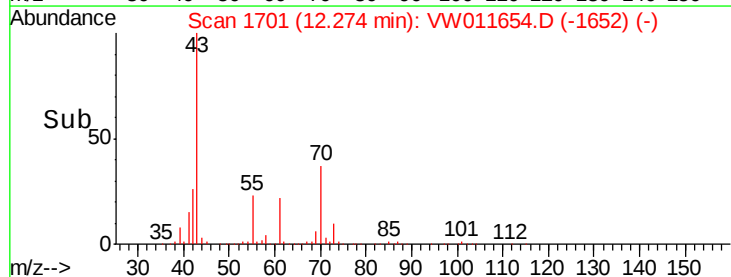
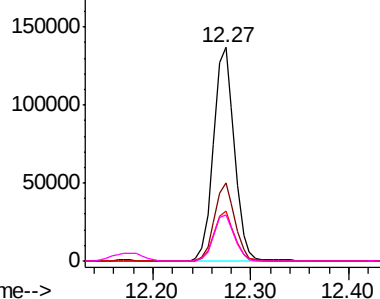


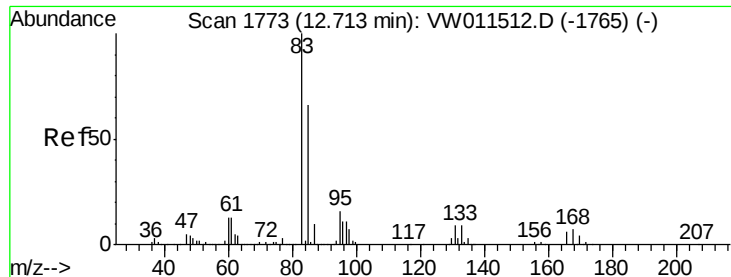
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 53.894 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

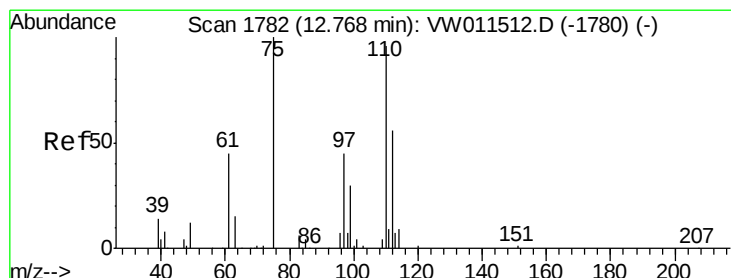
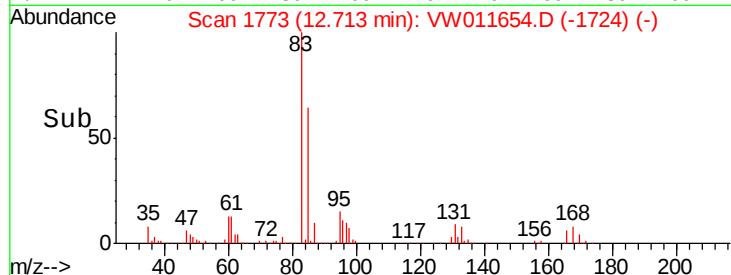
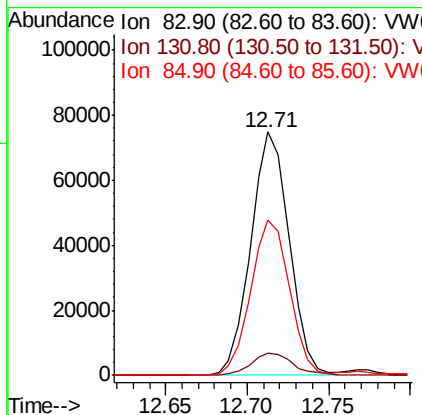
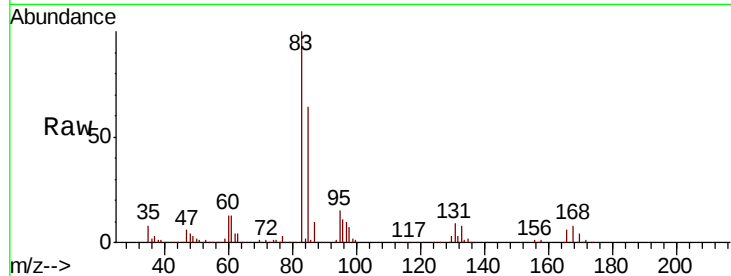
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	123208
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.4	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.061 ug/l m

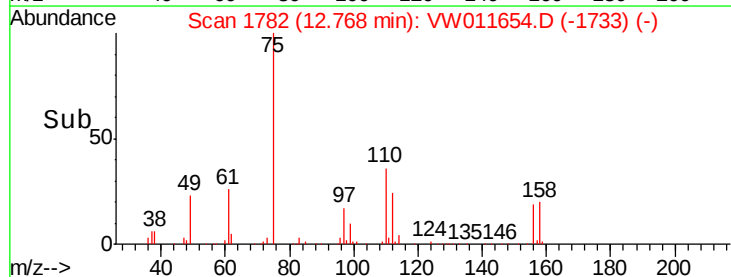
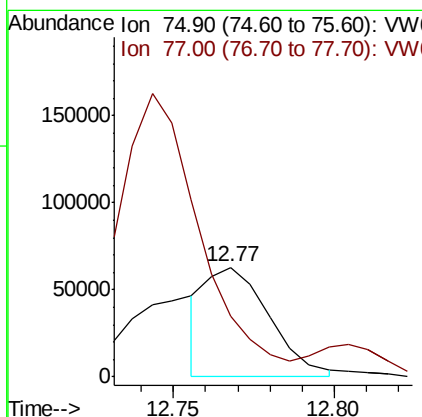
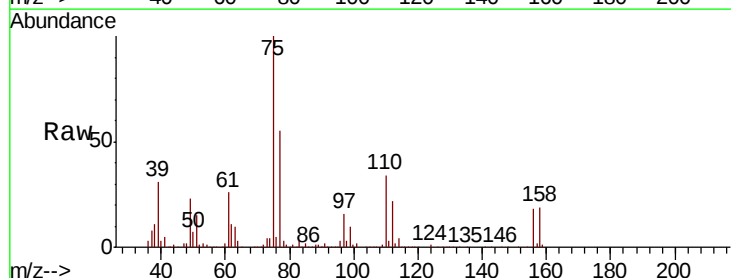
RT: 12.77 min Scan# 1782

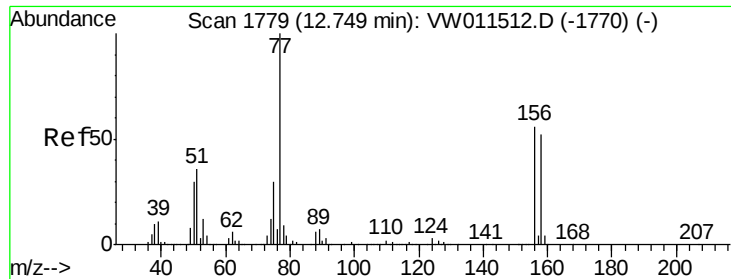
Delta R.T. 0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Tgt Ion:	75	Resp:	86296
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





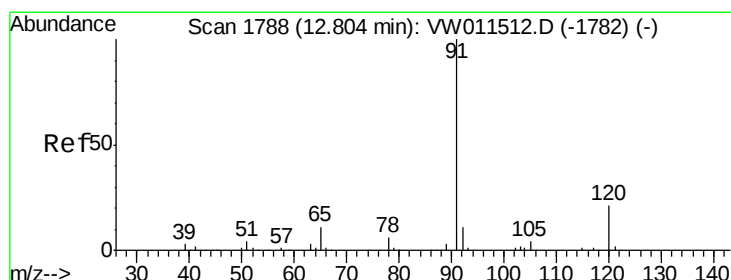
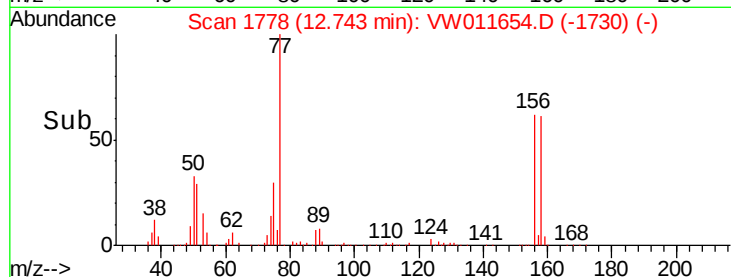
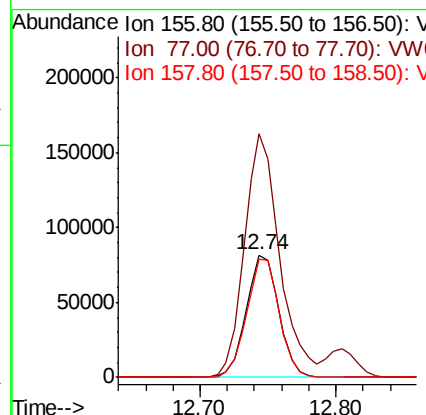
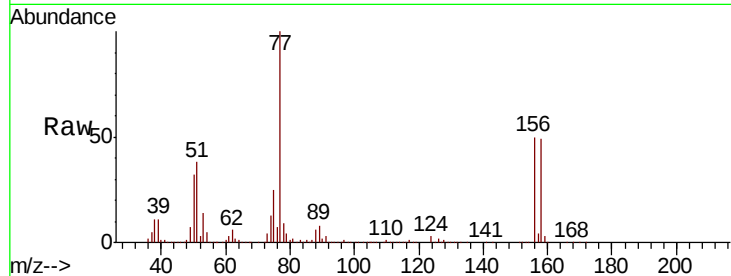
#77
Bromobenzene
Concen: 50.522 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	216.5	106.5	319.4	
158	97.4	48.0	144.2	

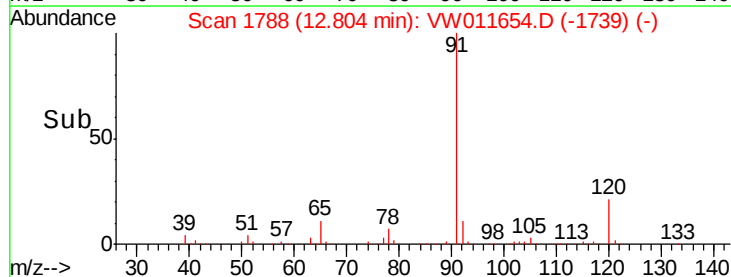
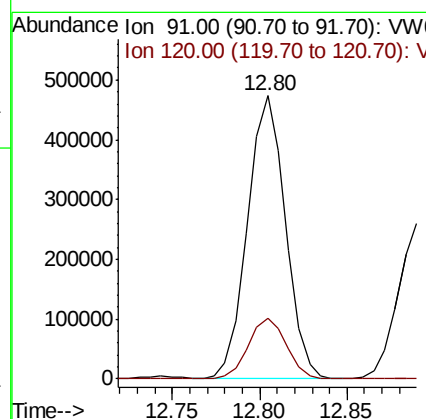
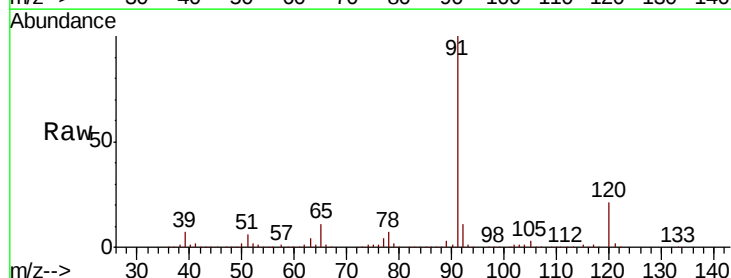
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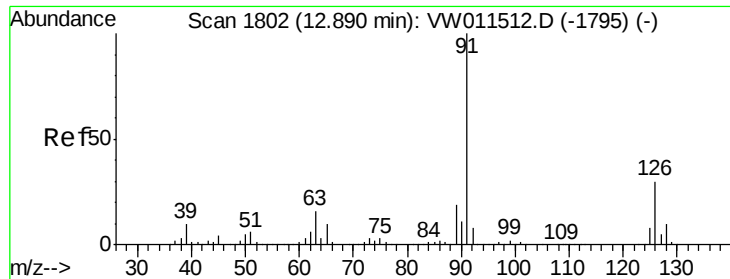
MMDadoda
8/6/2019 9:20:09 AM



#78
n-propylbenzene
Concen: 48.424 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.9	32.7	





#79

2-Chlorotoluene

Concen: 49.229 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 419492

Ion Ratio Lower Upper

91 100

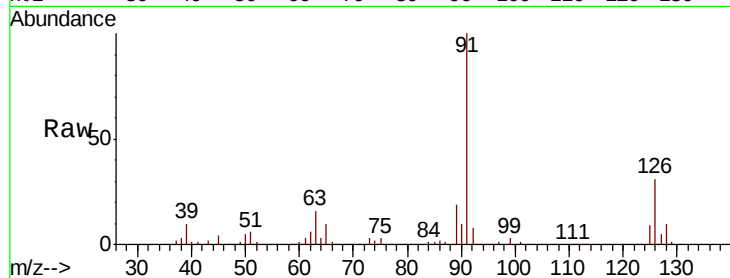
126 31.5 15.7 47.1

Manual Integrations

APPROVED

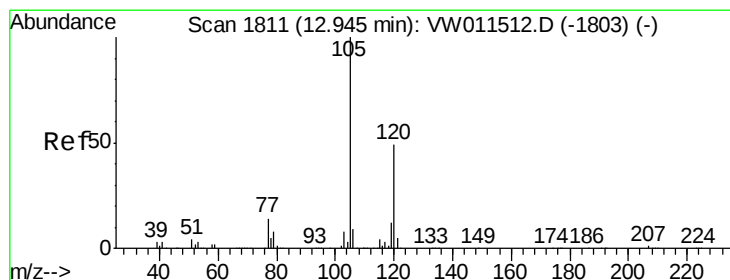
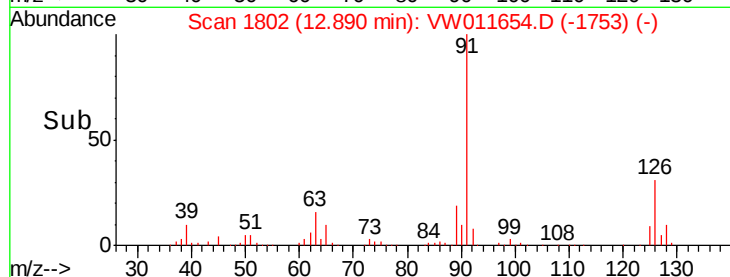
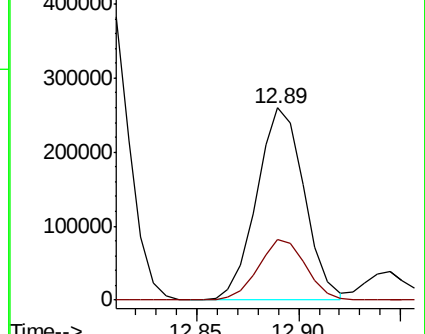
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.729 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011654.D

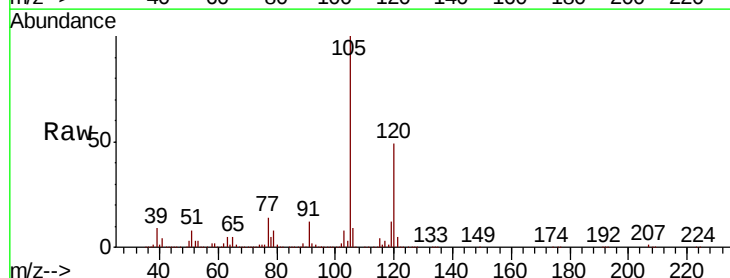
Acq: 03 Aug 2019 07:18

Tgt Ion:105 Resp: 506629

Ion Ratio Lower Upper

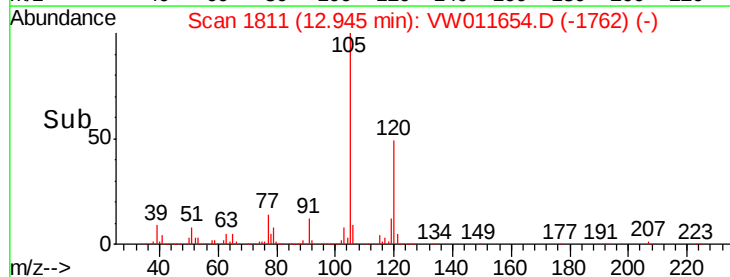
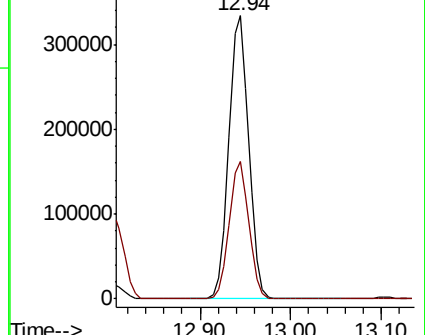
105 100

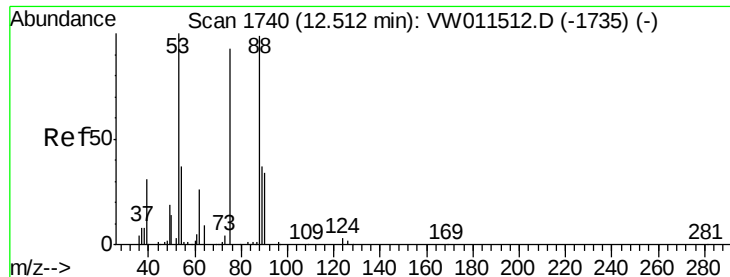
120 47.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





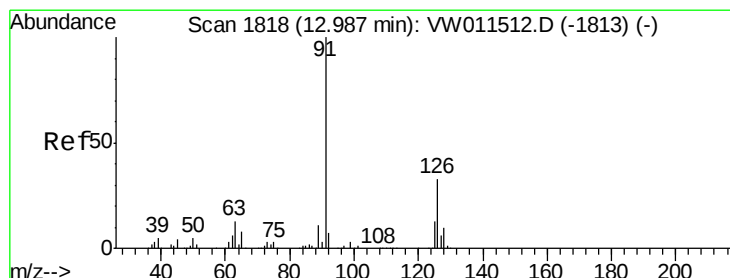
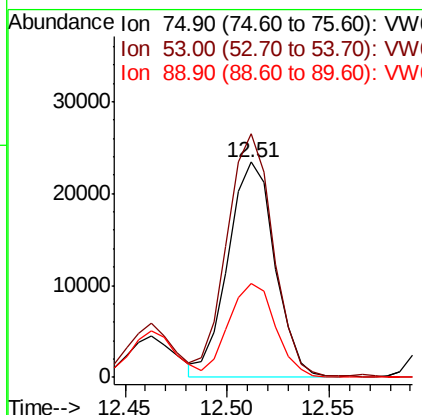
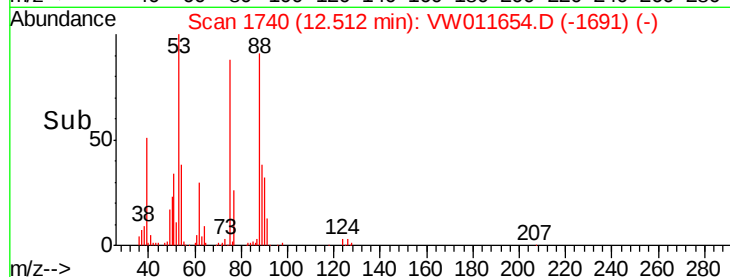
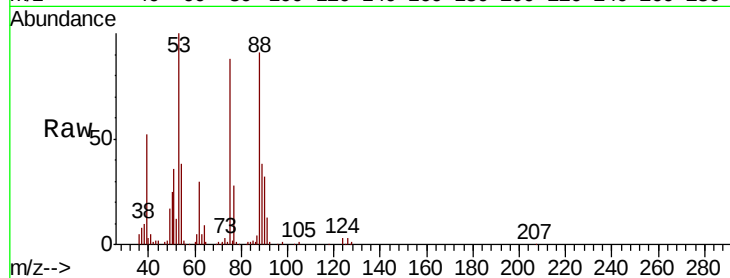
#81
trans-1,4-Dichloro-2-butene
Concen: 49.669 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.2	88.0	132.0
89	43.8	35.3	52.9

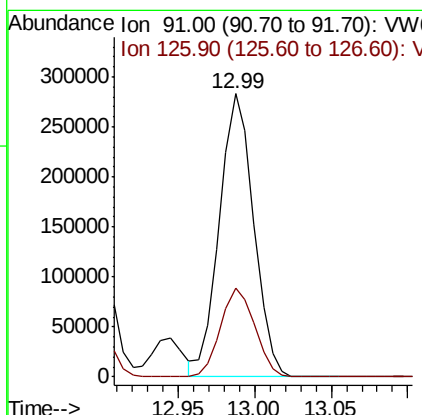
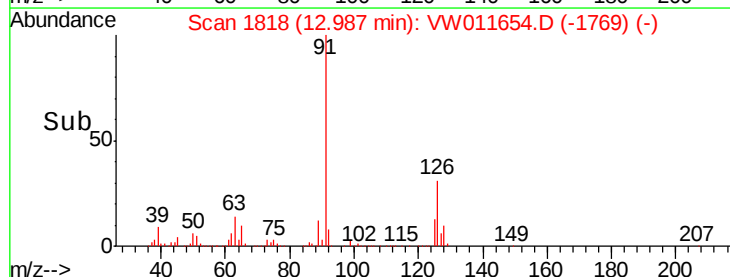
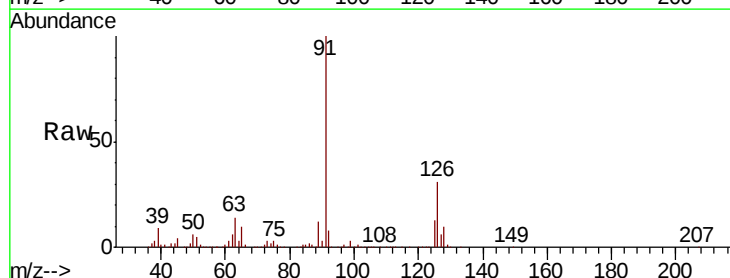
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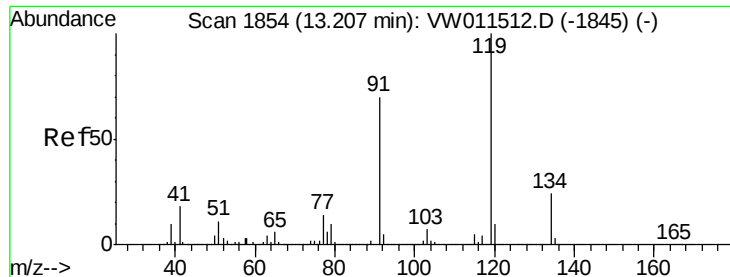
MMDadoda
8/6/2019 9:20:09 AM



#82
4-Chlorotoluene
Concen: 49.182 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.8





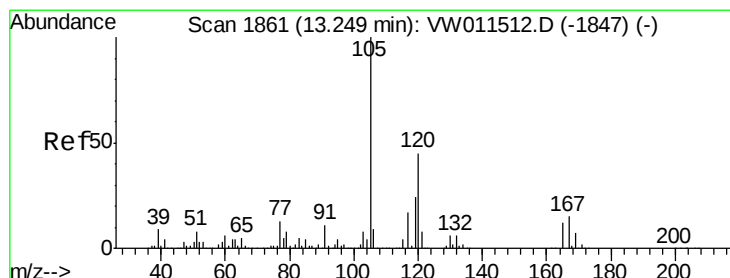
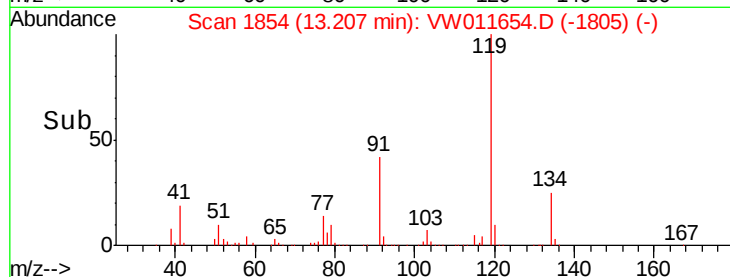
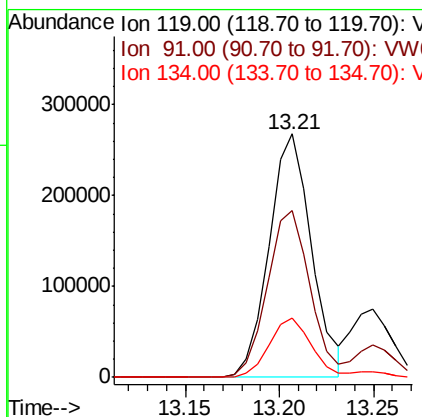
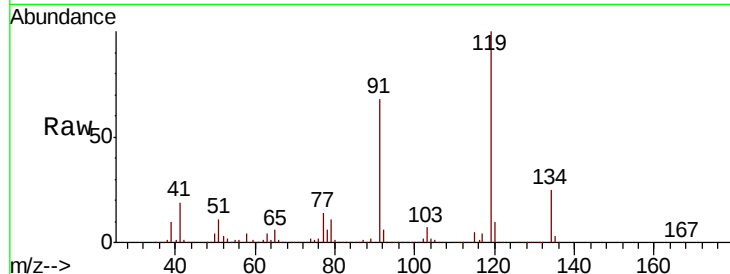
#83
tert-Butylbenzene
Concen: 49.144 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.5	103.6
134	24.5	12.4	37.4

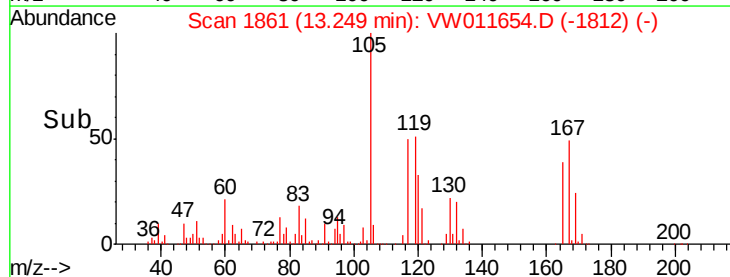
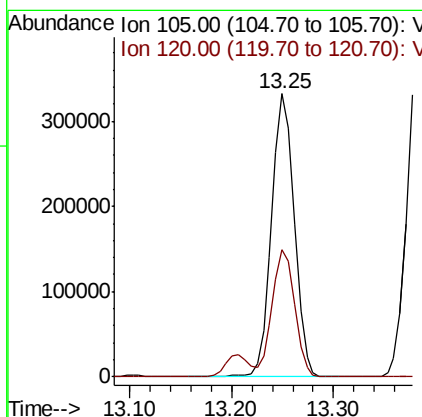
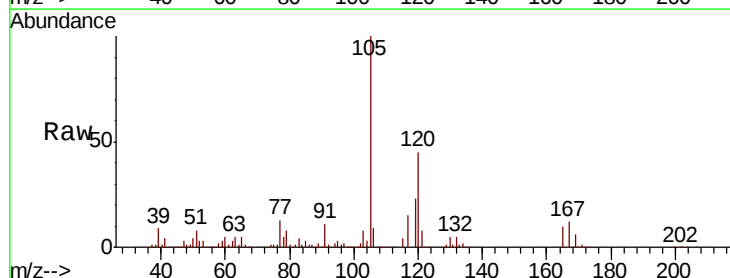
Manual Integrations
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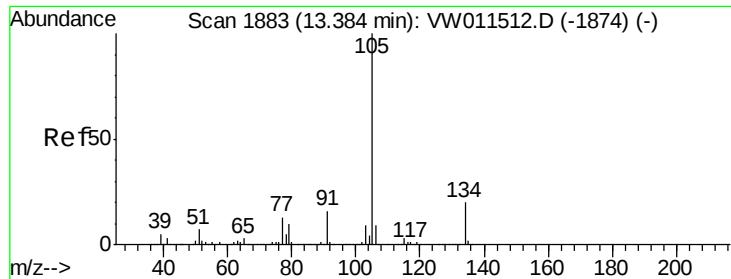
MMDadoda
8/6/2019 9:20:09 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.803 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 48.087 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 584559

Ion Ratio Lower Upper

105 100

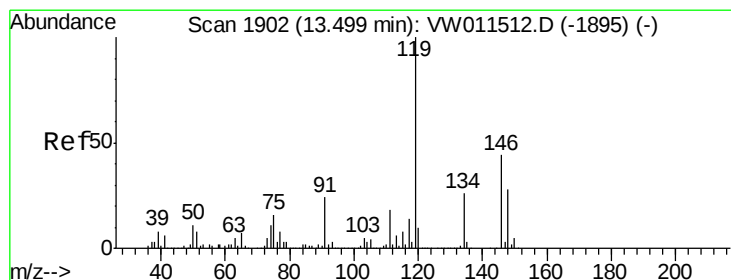
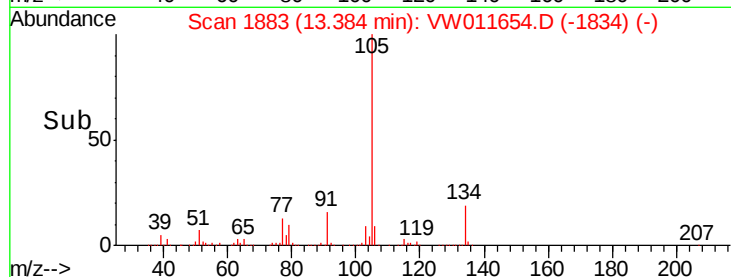
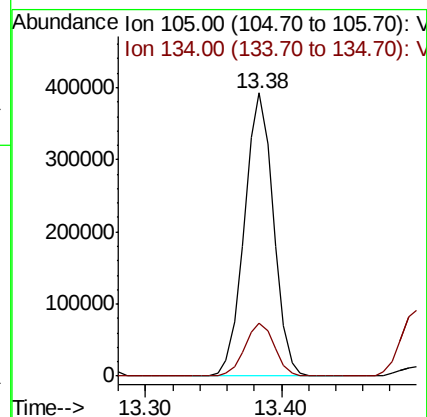
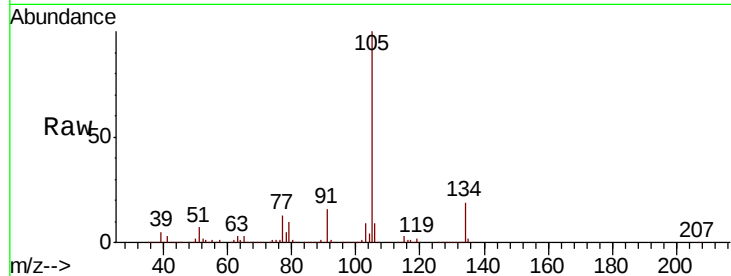
134 19.1 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.241 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011654.D

Acq: 03 Aug 2019 07:18

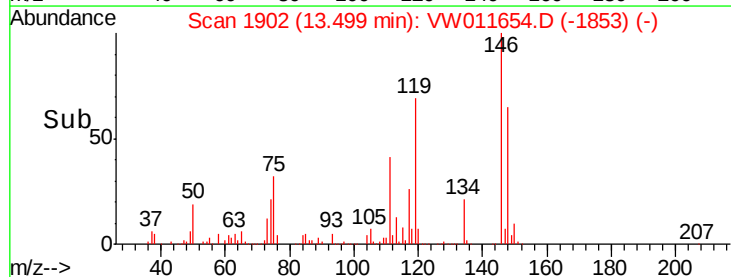
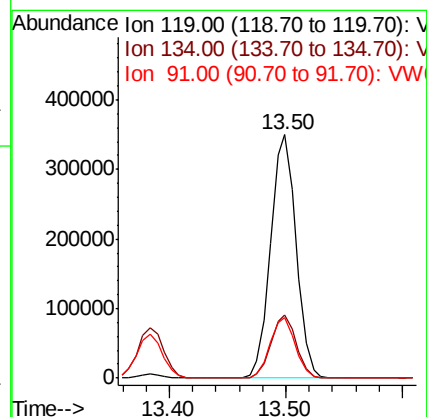
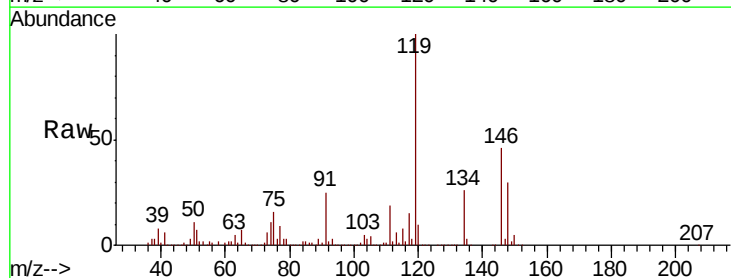
Tgt Ion:119 Resp: 532079

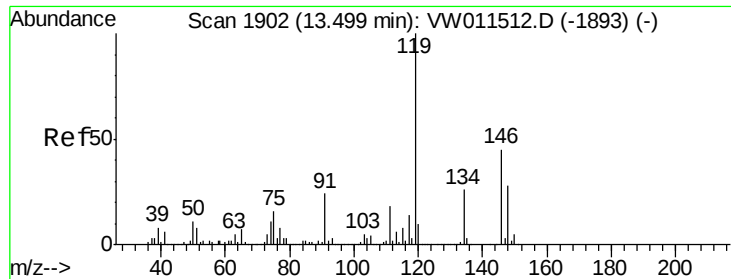
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.4 12.1 36.3





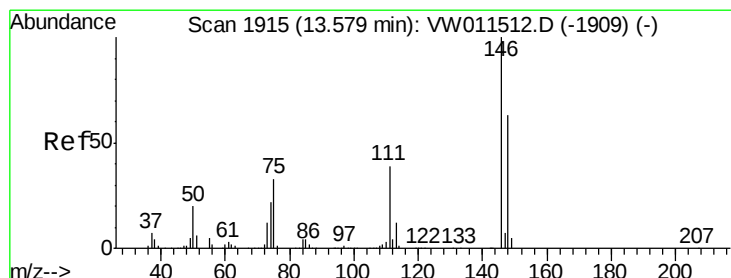
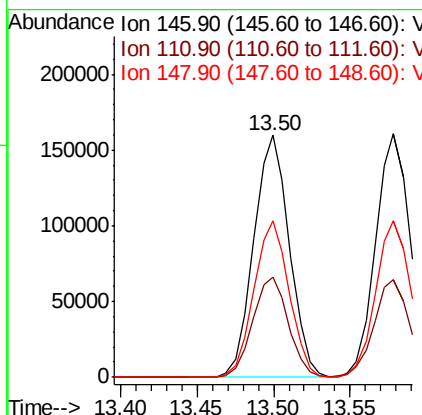
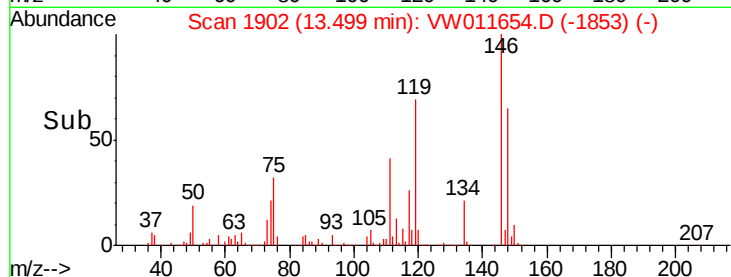
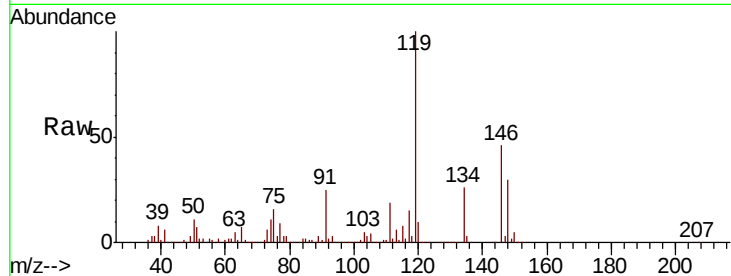
#87
 1,3-Dichlorobenzene
 Concen: 49.045 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	258337		
111	41.6	20.5	61.6	
148	64.1	31.8	95.3	

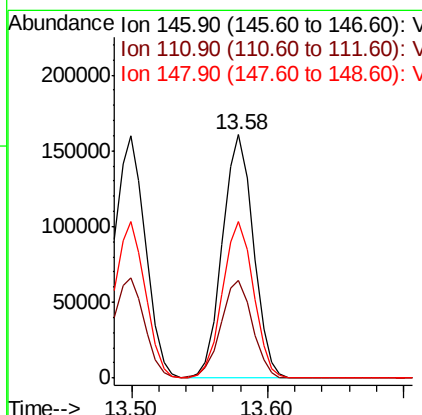
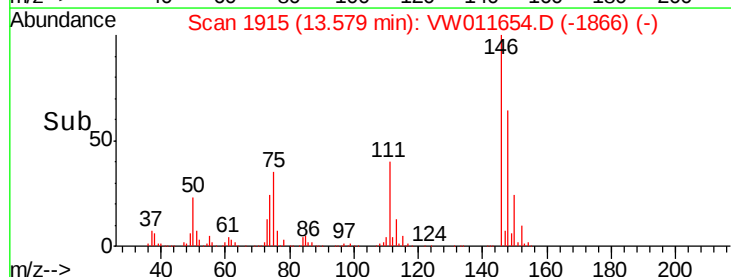
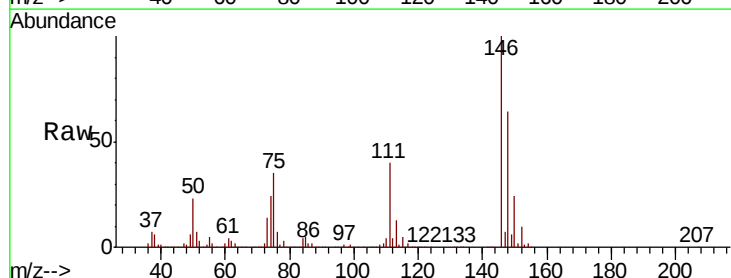
Manual Integrations
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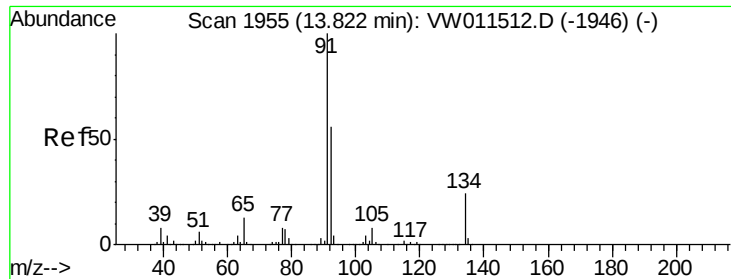
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 8/6/2019 9:20:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.609 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	254700		
111	40.7	20.1	60.2	
148	64.5	31.9	95.9	





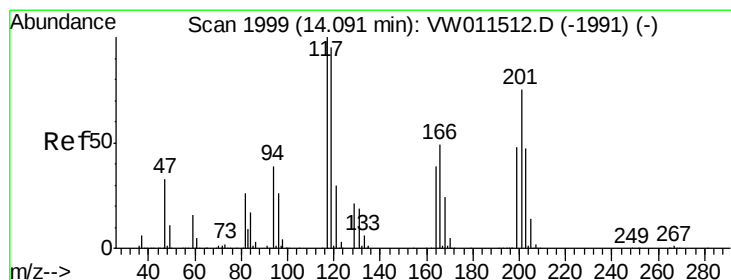
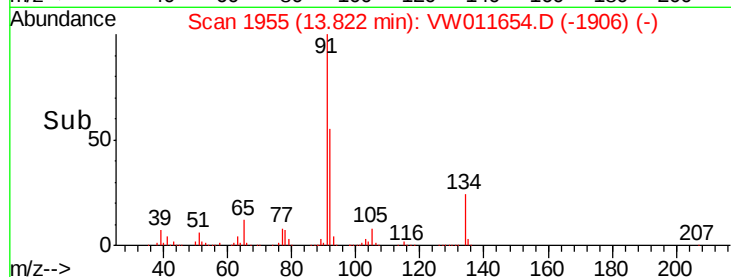
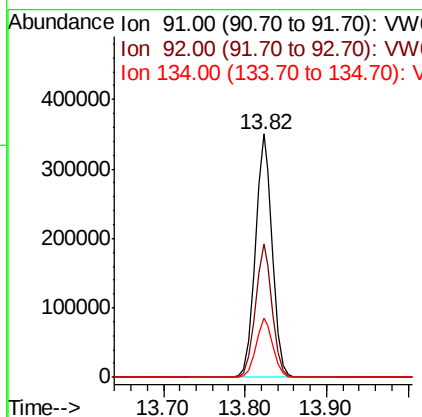
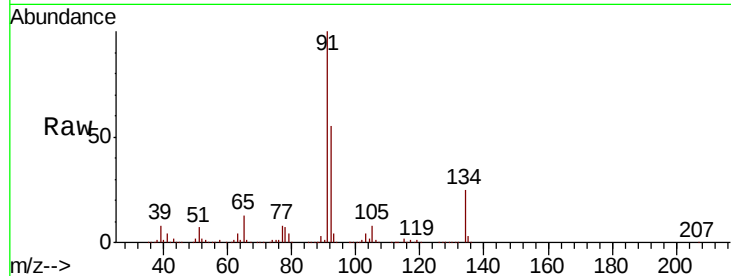
#89
n-Butylbenzene
Concen: 46.330 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.4	27.5	82.4	
134	24.4	12.2	36.6	

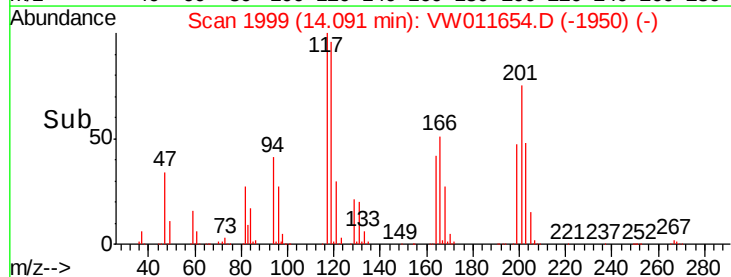
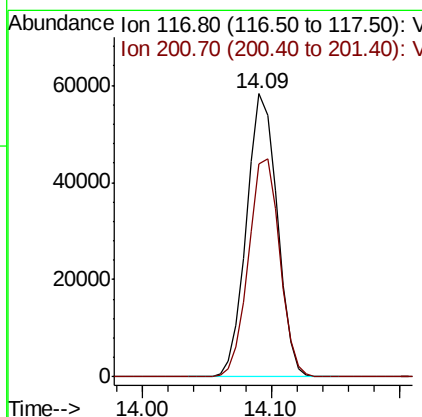
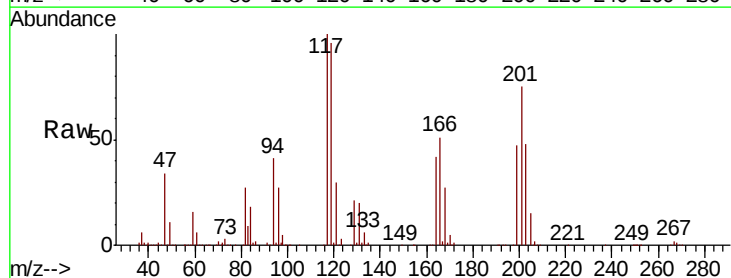
Manual Integrations
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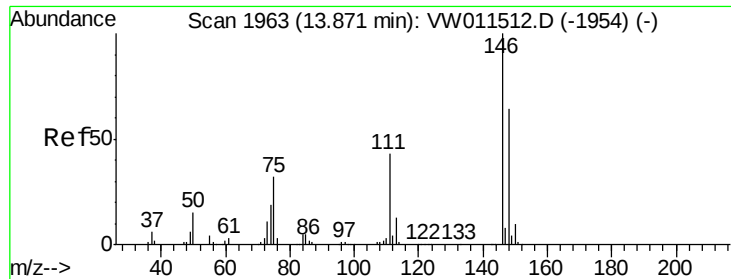
MMDadoda
8/6/2019 9:20:09 AM



#90
Hexachloroethane
Concen: 49.148 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	78.3	39.4	118.2	





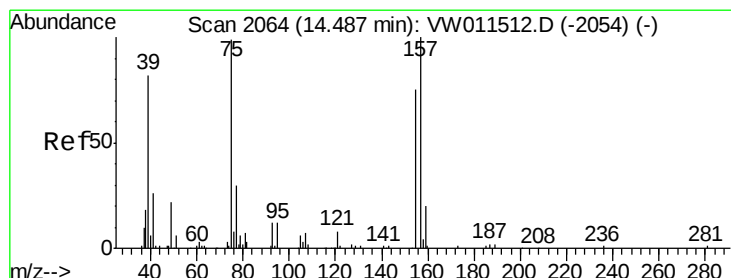
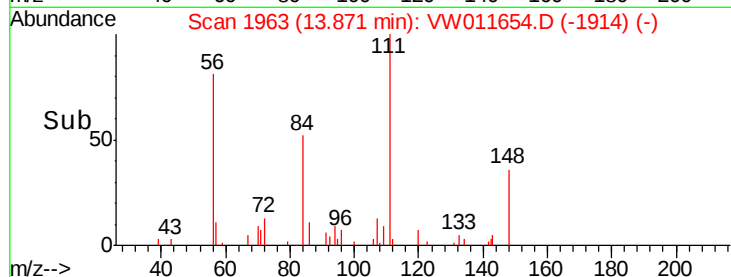
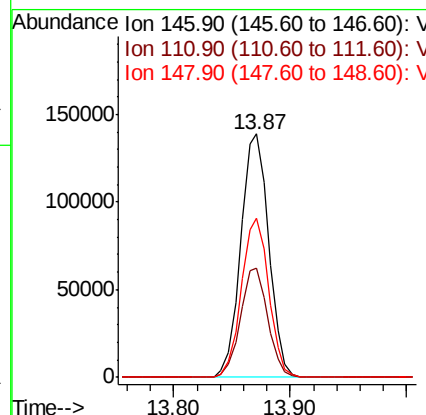
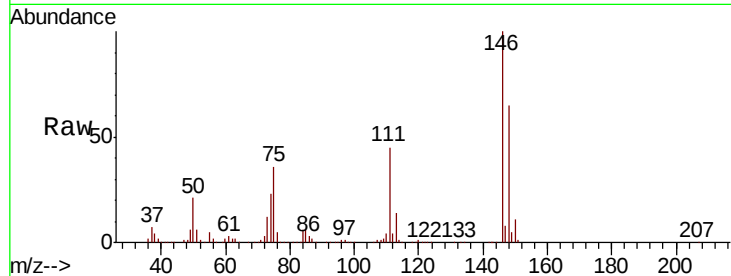
#91
 1,2-Dichlorobenzene
 Concen: 49.860 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	64.1	32.0	96.2

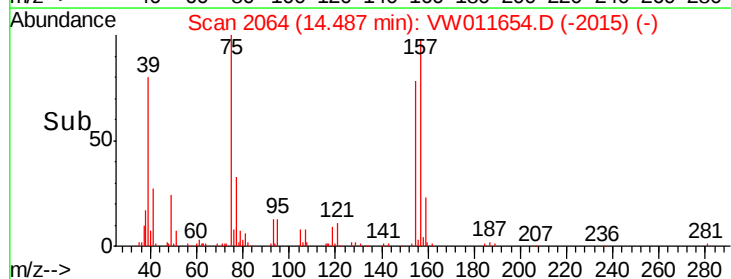
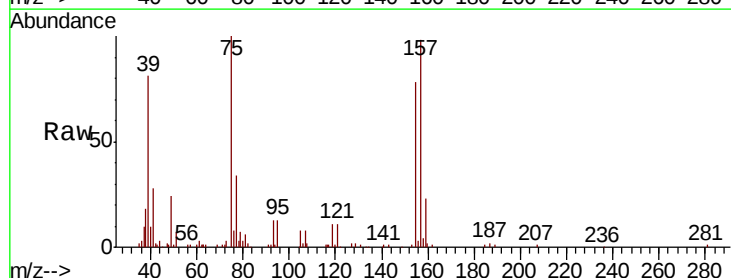
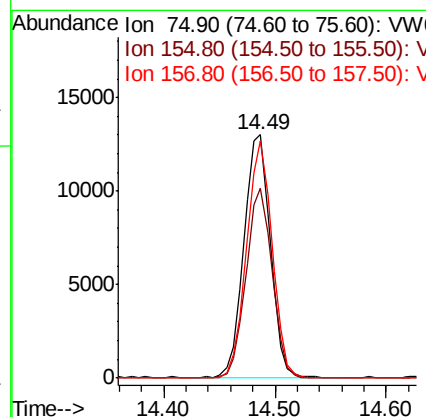
Manual Integrations
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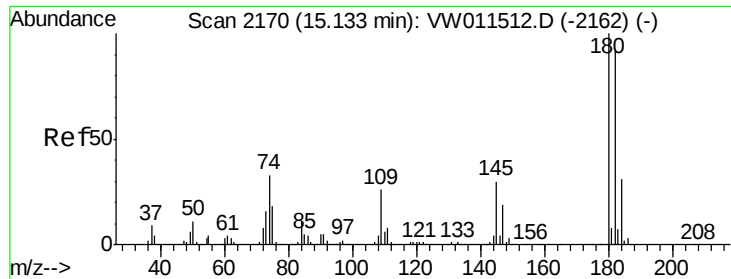
MMDadoda
 8/6/2019 9:20:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.035 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	38.2	114.6
157	94.1	48.9	146.7





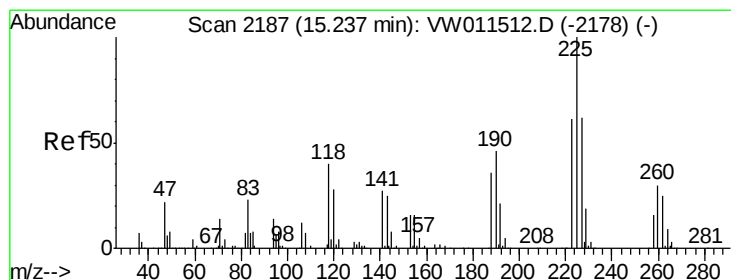
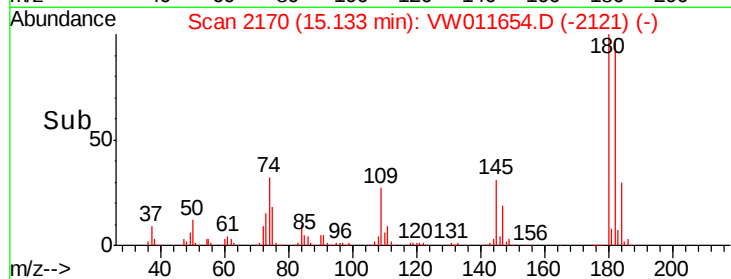
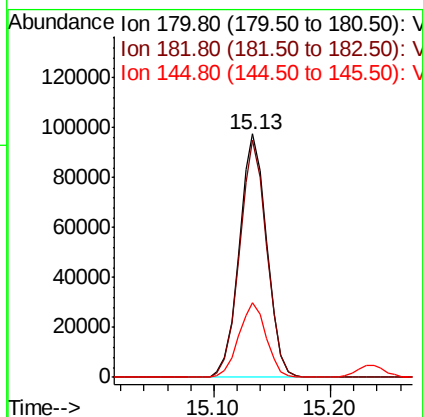
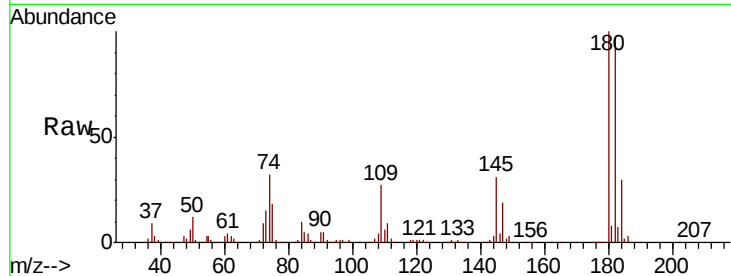
#93
 1,2,4-Trichlorobenzene
 Concen: 48.684 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159845		
182	96.2	47.4	142.2	
145	30.6	15.4	46.1	

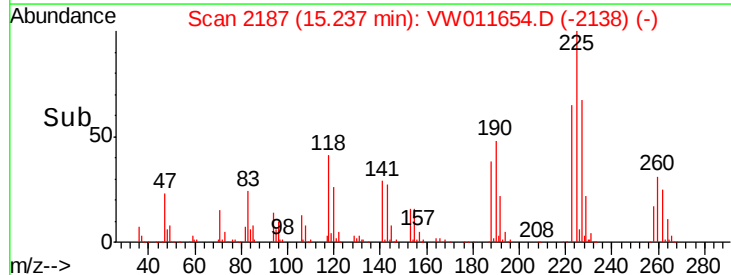
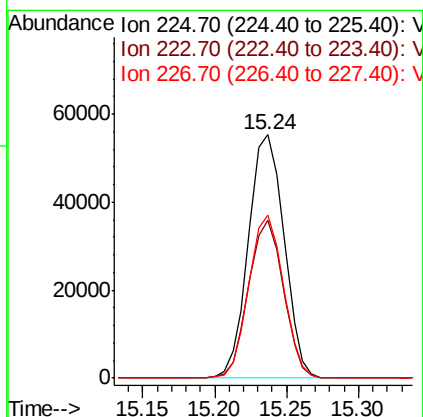
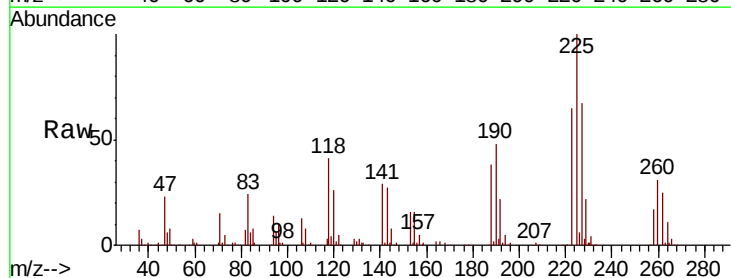
Manual Integrations
 APPROVED

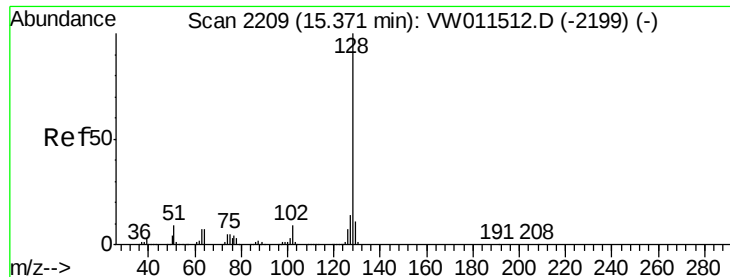
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 8/6/2019 9:20:09 AM



#94
 Hexachlorobutadiene
 Concen: 46.386 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011654.D
 Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94976		
223	63.1	30.8	92.3	
227	64.9	31.6	94.7	





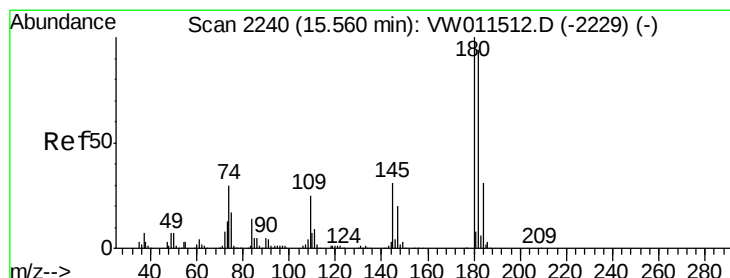
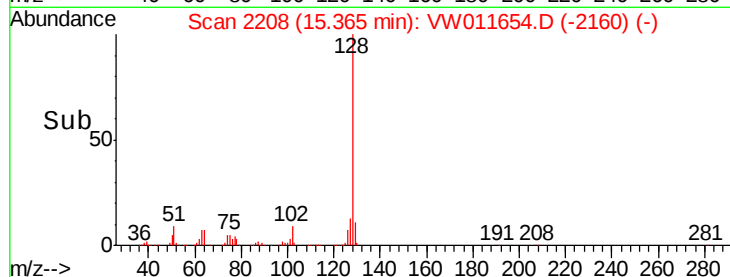
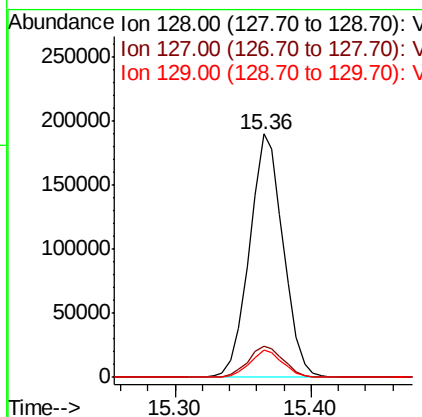
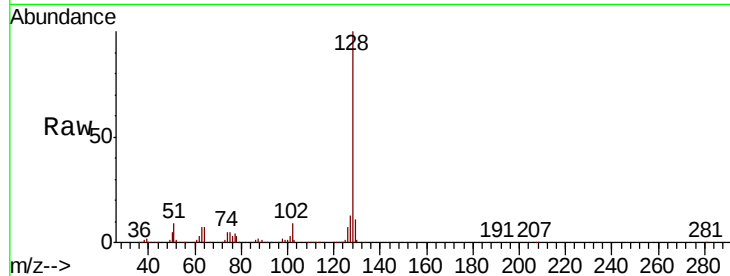
#95
Naphthalene
Concen: 51.136 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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8/6/2019 9:20:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.390 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011654.D
Acq: 03 Aug 2019 07:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.2
145	32.1	15.9	47.7

