

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080819\
 Data File : VW011741.D
 Acq On : 07 Aug 2019 10:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 9:30:41 AM

Quant Time: Aug 07 16:39:03 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	230101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140611	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	7.88	113	113074	56.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.90%	
50) Toluene-d8	10.32	98	463690	56.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.08%	
62) 4-Bromofluorobenzene	12.62	95	161709	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	71728	55.933	ug/l	96
3) Chloromethane	2.21	50	101424	45.611	ug/l	96
4) Vinyl Chloride	2.36	62	135306	50.541	ug/l	99
5) Bromomethane	2.78	94	68133	45.978	ug/l	97
6) Chloroethane	2.92	64	76585	50.080	ug/l	99
7) Trichlorofluoromethane	3.26	101	74637	62.382	ug/l	98
8) Diethyl Ether	3.68	74	64326	47.419	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120538	53.109	ug/l	100
10) Methyl Iodide	4.28	142	159903	49.854	ug/l	99
11) Tert butyl alcohol	5.18	59	40039	201.904	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	121643	50.761	ug/l	96
13) Acrolein	3.89	56	63224	333.485	ug/l	100
14) Allyl chloride	4.66	41	260902	51.188	ug/l	99
15) Acrylonitrile	5.36	53	164937	243.565	ug/l	99
16) Acetone	4.12	43	207813	247.256	ug/l	99
17) Carbon Disulfide	4.39	76	382751	51.031	ug/l	98
18) Methyl Acetate	4.67	43	85605	45.339	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	187681	49.353	ug/l	97
20) Methylene Chloride	4.92	84	129747	44.761	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	130474	50.501	ug/l	97
22) Diisopropyl ether	6.31	45	472362	49.155	ug/l	95
23) Vinyl Acetate	6.25	43	1514808	250.870	ug/l	99
24) 1,1-Dichloroethane	6.21	63	258237	50.177	ug/l	99
25) 2-Butanone	7.17	43	265978	241.844	ug/l	99
26) 2,2-Dichloropropane	7.17	77	153124	48.379	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	138478	48.700	ug/l	99
28) Bromochloromethane	7.51	49	96671	42.318	ug/l	100
29) Tetrahydrofuran	7.53	42	149815	238.313	ug/l	99
30) Chloroform	7.68	83	233493	49.176	ug/l	96
31) Cyclohexane	7.95	56	241684	48.921	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	191372	52.924	ug/l	100
36) 1,1-Dichloropropene	8.08	75	200167	53.917	ug/l	99
37) Ethyl Acetate	7.25	43	105627	49.454	ug/l	98
38) Carbon Tetrachloride	8.07	117	176626	55.575	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	226149	55.322	ug/l	99
40) Benzene	8.32	78	531715	51.132	ug/l	99
41) Methacrylonitrile	7.48	41	64223	50.301	ug/l	99
42) 1,2-Dichloroethane	8.40	62	166384	51.105	ug/l	99
43) Isopropyl Acetate	8.42	43	199552	50.802	ug/l	99
44) Trichloroethene	9.09	130	131118	52.461	ug/l	99
45) 1,2-Dichloropropane	9.37	63	145185	52.180	ug/l	99
46) Dibromomethane	9.46	93	64486	50.779	ug/l	99
47) Bromodichloromethane	9.64	83	174467	52.374	ug/l	100
48) Methyl methacrylate	9.43	41	96159	50.962	ug/l	98
49) 1,4-Dioxane	9.46	88	17751	965.368	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	516598	252.841	ug/l	100
52) Toluene	10.38	92	330036	52.555	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	181223	52.079	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	214463	51.834	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90916	50.457	ug/l	98
56) Ethyl methacrylate	10.65	69	136844	51.900	ug/l	98
57) 1,3-Dichloropropane	10.93	76	171919	50.432	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	380667	317.976	ug/l	99
59) 2-Hexanone	10.97	43	388842	269.540	ug/l	99
60) Dibromochloromethane	11.13	129	104939	52.467	ug/l	99
61) 1,2-Dibromoethane	11.23	107	85925	50.392	ug/l	98
64) Tetrachloroethene	10.86	164	107815	53.531	ug/l	97
65) Chlorobenzene	11.66	112	322548	51.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	116217	53.650	ug/l	99
67) Ethyl Benzene	11.73	91	637097	53.789	ug/l	99
68) m/p-Xylenes	11.84	106	459077	106.578	ug/l	100
69) o-Xylene	12.16	106	211571	52.857	ug/l	100
70) Styrene	12.18	104	369838	53.439	ug/l	100
71) Bromoform	12.35	173	59591	53.954	ug/l #	99
73) Isopropylbenzene	12.46	105	600856	53.330	ug/l	100
74) N-amyl acetate	12.27	43	183924	52.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	108257	51.083	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	89934m	56.279	ug/l	
77) Bromobenzene	12.74	156	129818	52.130	ug/l	100
78) n-propylbenzene	12.80	91	744060	54.265	ug/l	100
79) 2-Chlorotoluene	12.89	91	413233	52.313	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	511188	54.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37815	54.537	ug/l	98
82) 4-Chlorotoluene	12.99	91	439397	53.016	ug/l	100
83) tert-Butylbenzene	13.21	119	432168	54.720	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	508624	53.462	ug/l	99
85) sec-Butylbenzene	13.38	105	620177	55.034	ug/l	100
86) p-Isopropyltoluene	13.50	119	558797	54.652	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	253455	51.907	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	248938	51.250	ug/l	99
89) n-Butylbenzene	13.82	91	565648	55.436	ug/l	99
90) Hexachloroethane	14.09	117	99849	55.226	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	222645	51.554	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18883	52.251	ug/l	98

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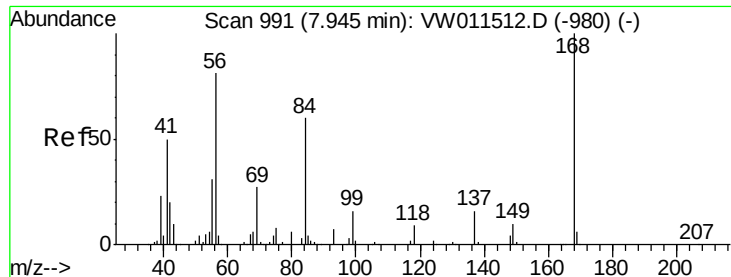
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	159549	52.420	ug/l	99
94) Hexachlorobutadiene	15.24	225	104302	54.951	ug/l	96
95) Naphthalene	15.36	128	287194	48.246	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	139148	52.155	ug/l	100

(#) = 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: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 230101

Ion Ratio Lower Upper

168 100

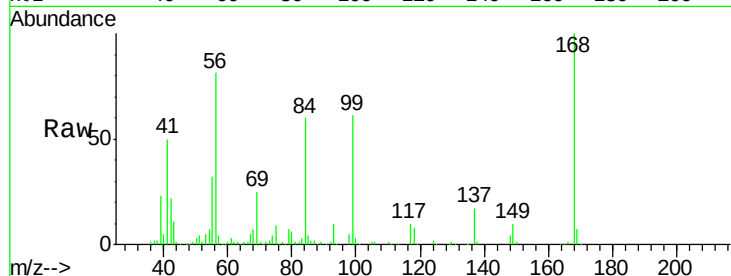
99 60.6 48.2 72.4

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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

120000

100000

80000

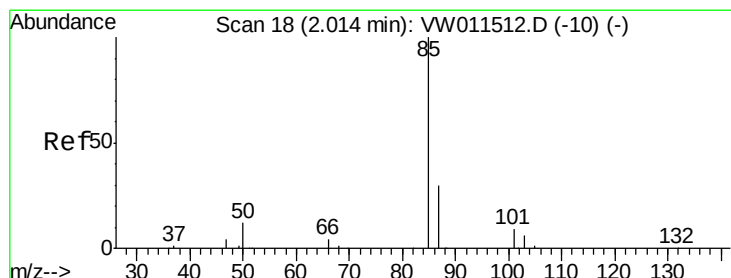
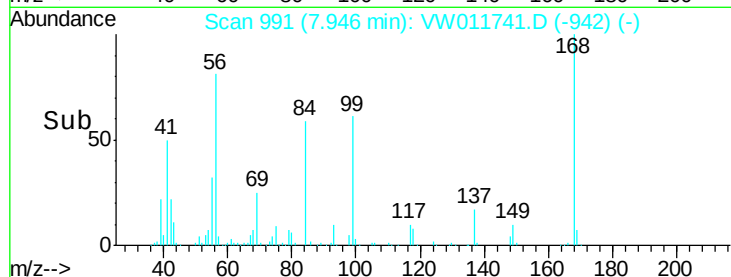
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 55.933 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011741.D

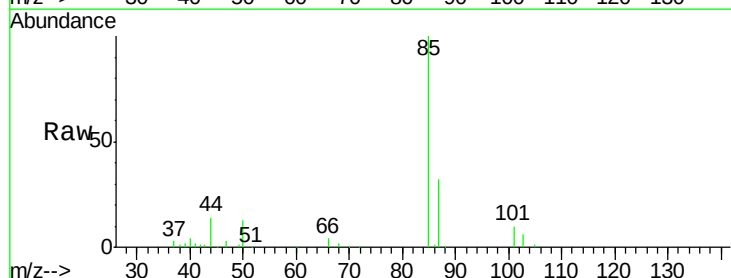
Acq: 07 Aug 2019 10:34

Tgt Ion: 85 Resp: 71728

Ion Ratio Lower Upper

85 100

87 32.4 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

25000

20000

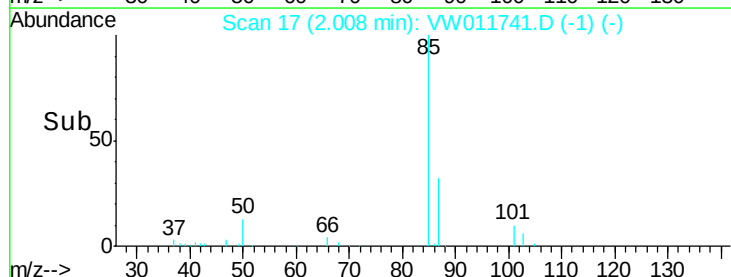
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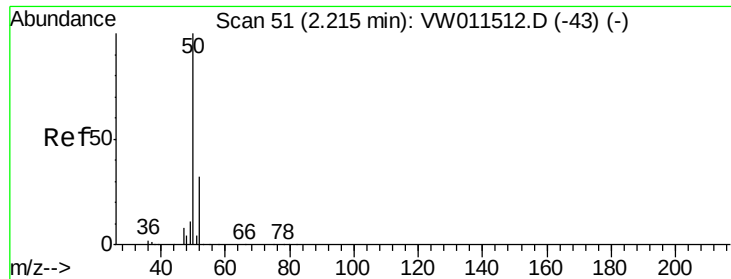
10000

5000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 45.611 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 101424

Ion Ratio Lower Upper

50 100

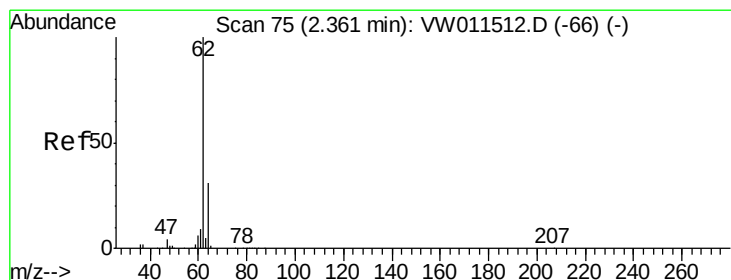
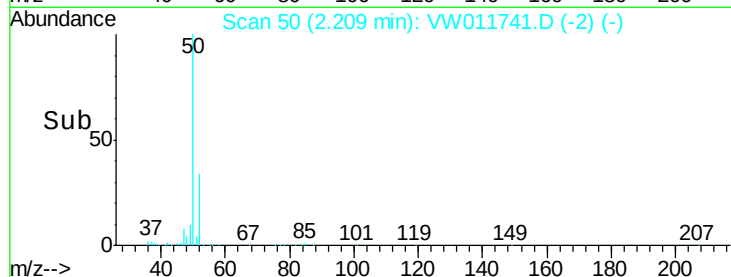
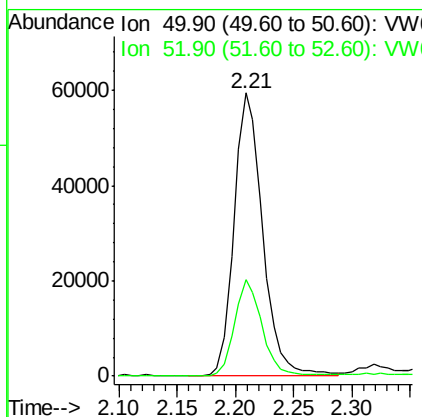
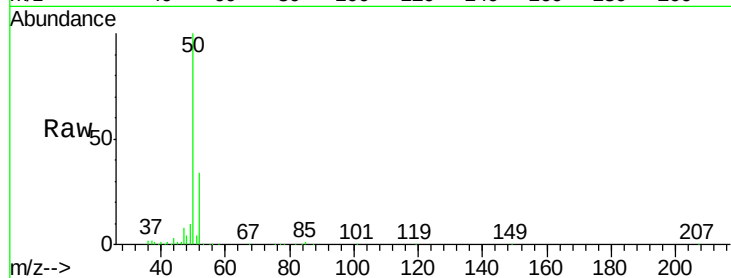
52 34.0 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.541 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011741.D

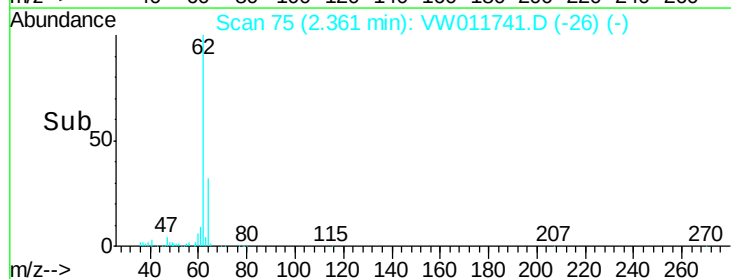
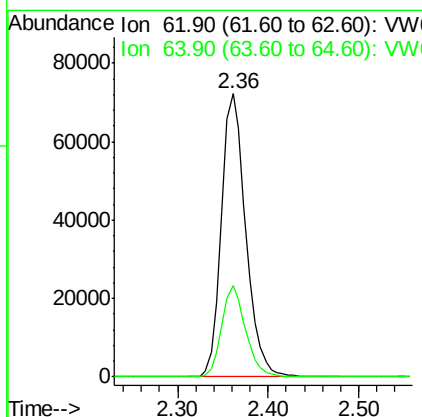
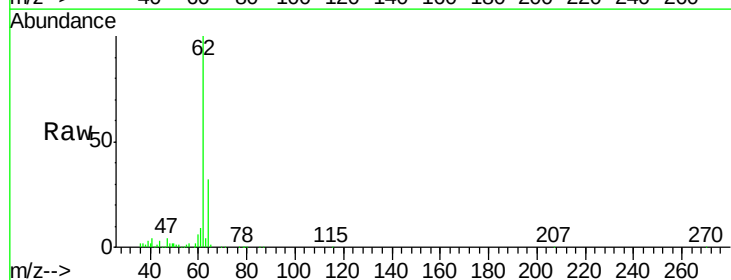
Acq: 07 Aug 2019 10:34

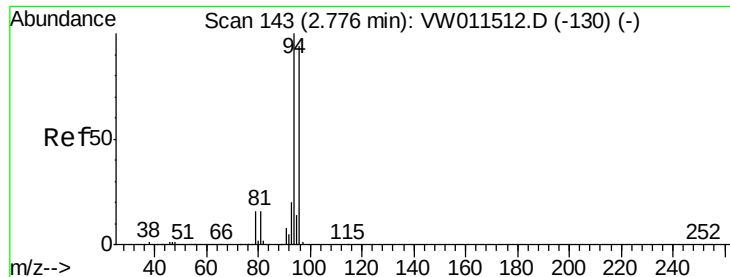
Tgt Ion: 62 Resp: 135306

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 45.978 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 68133

Ion Ratio Lower Upper

94 100

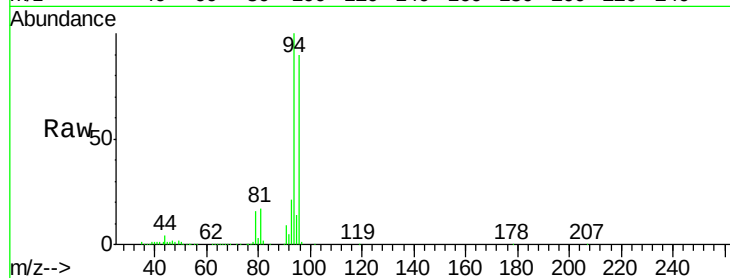
96 90.5 75.0 112.6

Manual Integrations

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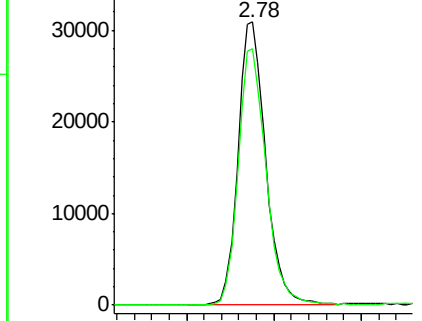
MMDadoda

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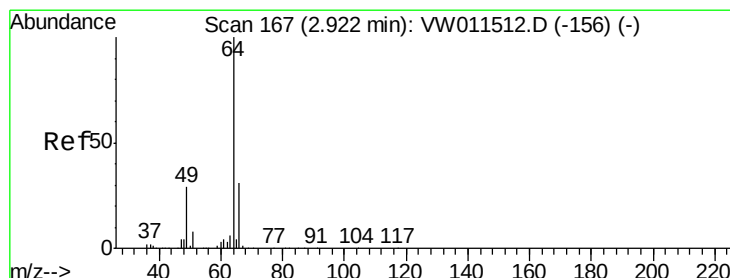
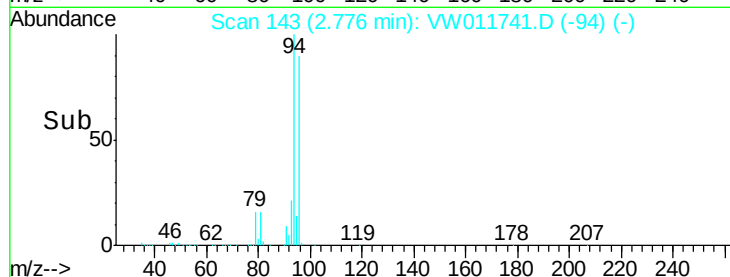


Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



Time-->



#6

Chloroethane

Concen: 50.080 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011741.D

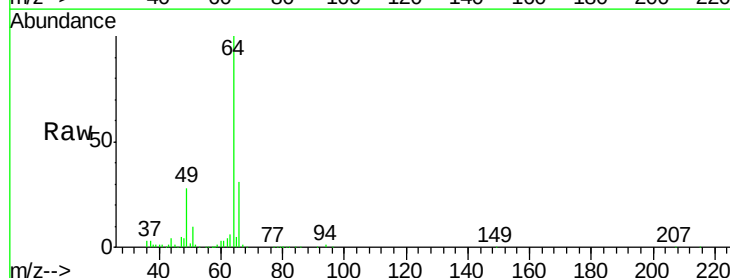
Acq: 07 Aug 2019 10:34

Tgt Ion: 64 Resp: 76585

Ion Ratio Lower Upper

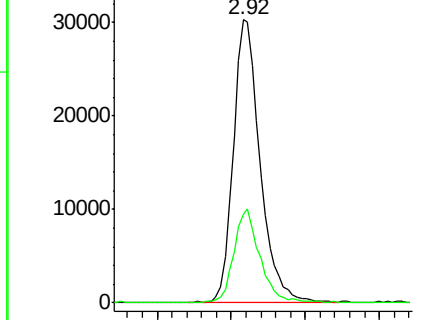
64 100

66 31.2 24.6 36.8

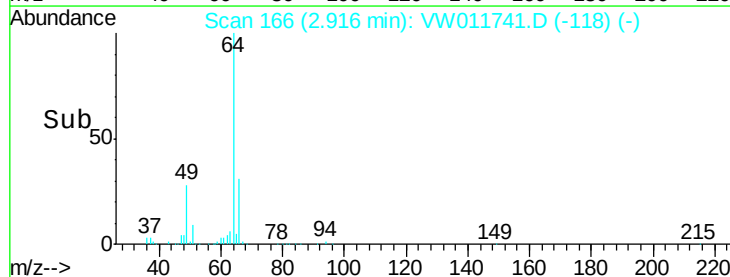


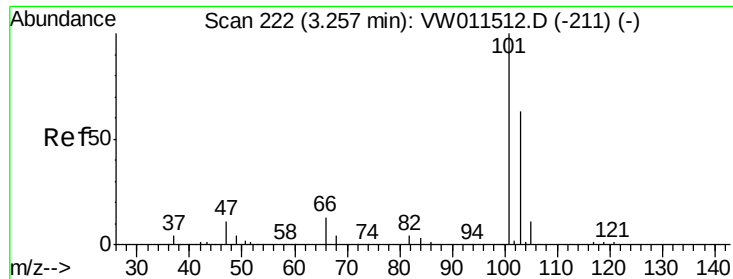
Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



Time-->





#7

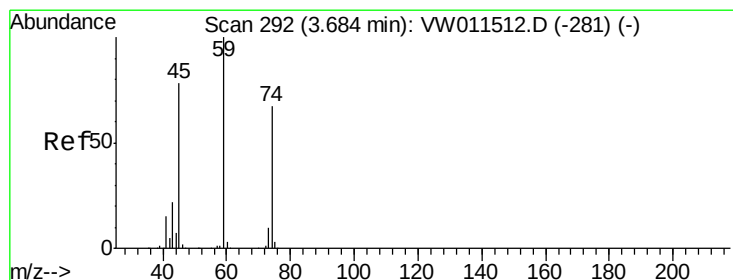
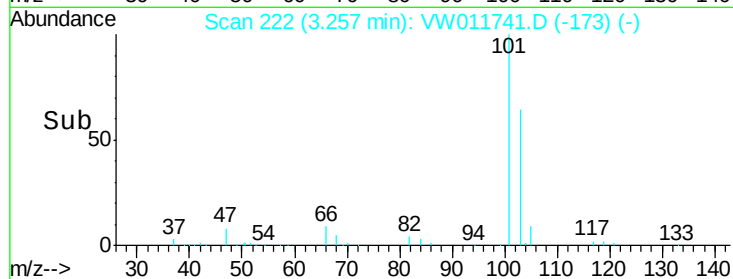
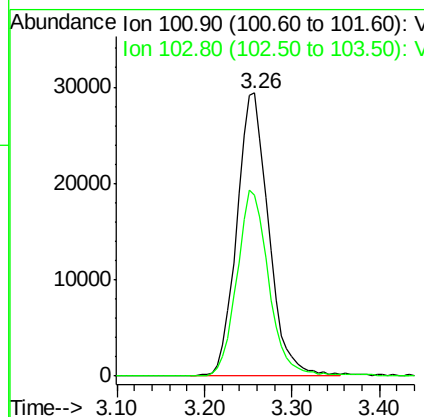
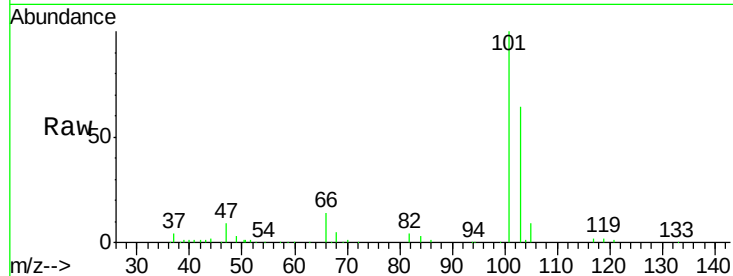
Trichlorofluoromethane
 Concen: 62.382 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.2	75.4

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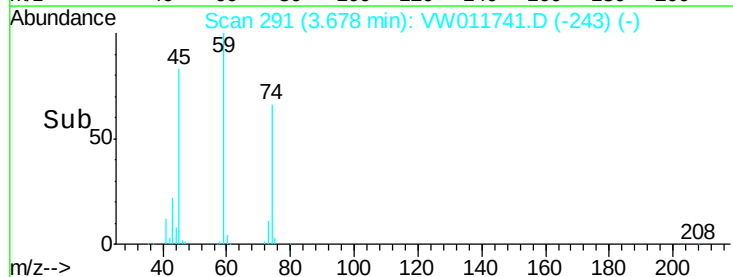
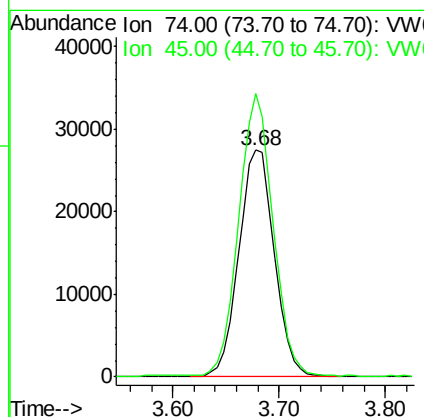
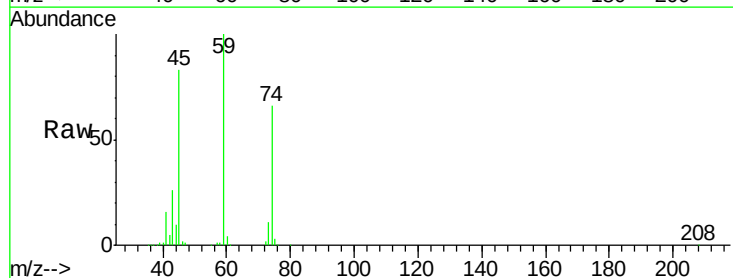
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 8/8/2019 9:30:41 AM

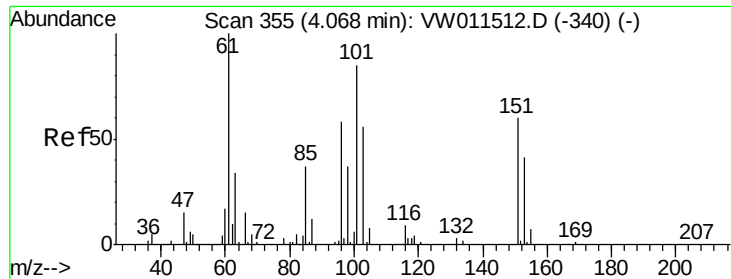


#8

Diethyl Ether
 Concen: 47.419 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.0	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.109 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

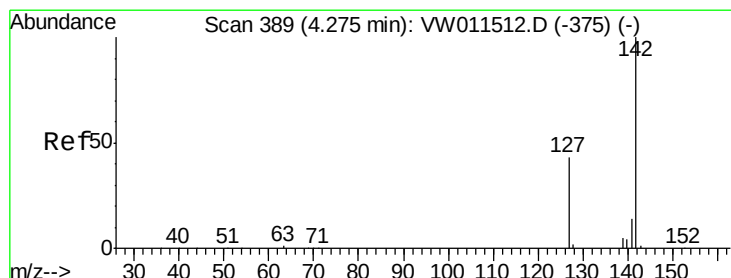
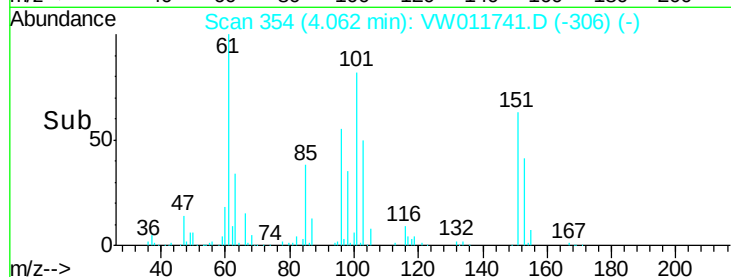
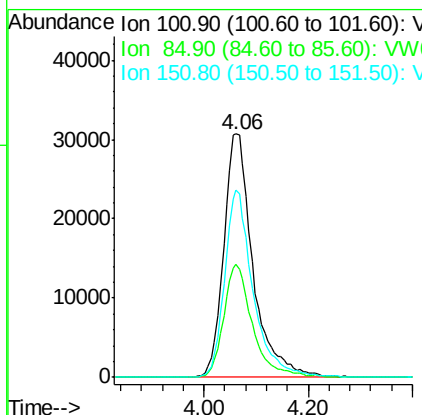
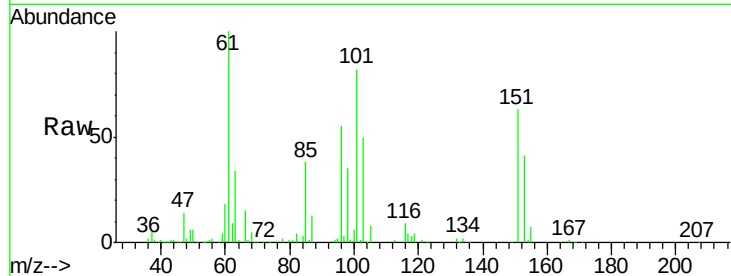
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	120538
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.6	54.8
151	74.9	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.854 ug/l

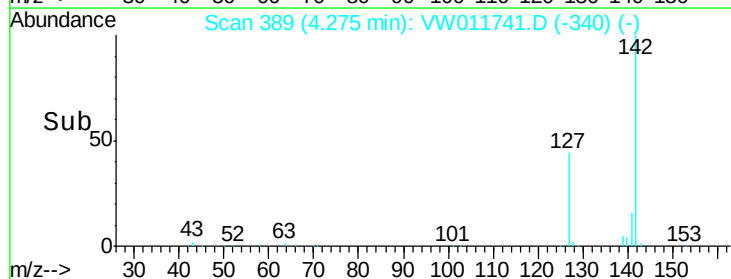
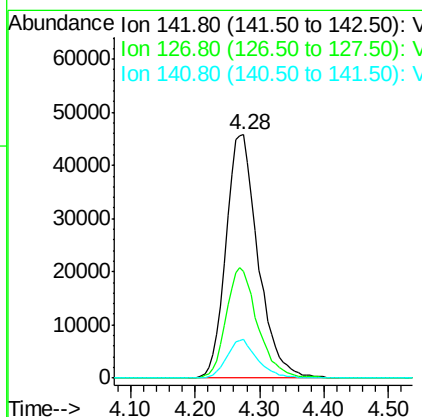
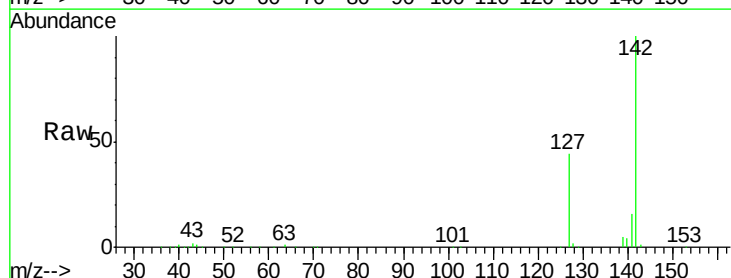
RT: 4.28 min Scan# 389

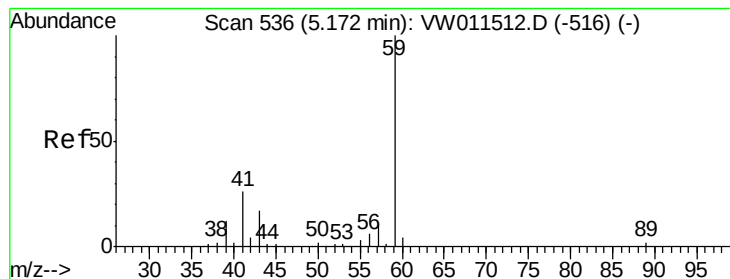
Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion:	142	Resp:	159903
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.0	52.6
141	15.1	11.9	17.9





#11

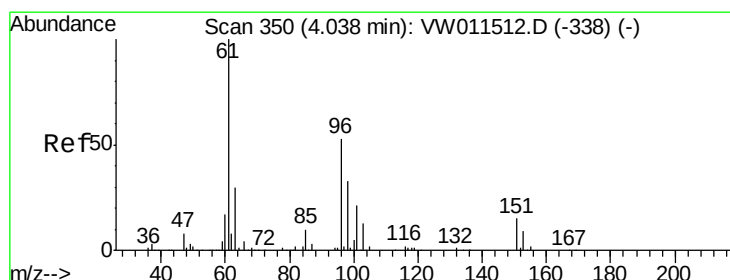
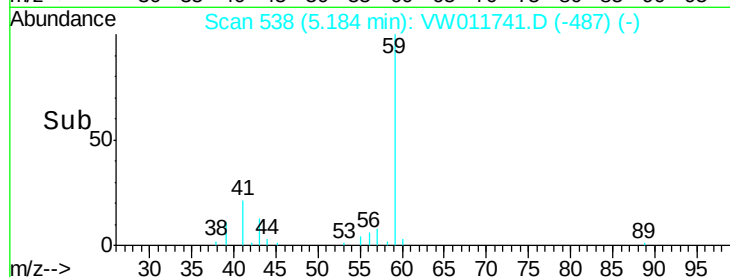
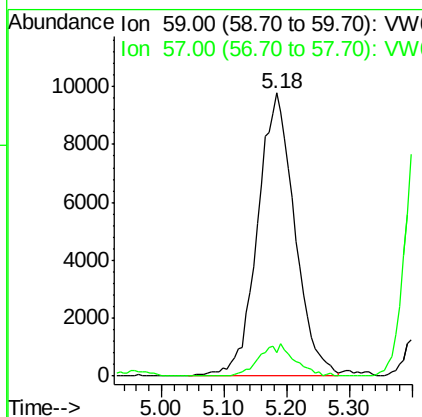
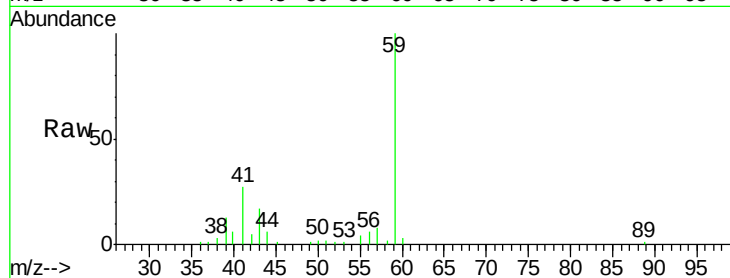
Tert butyl alcohol
Concen: 201.904 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.5	12.7#

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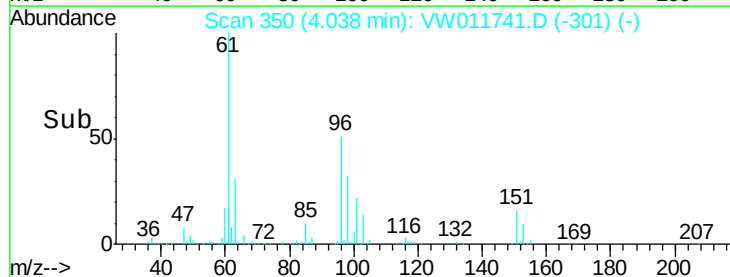
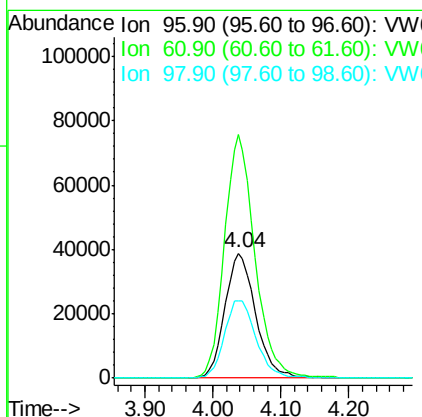
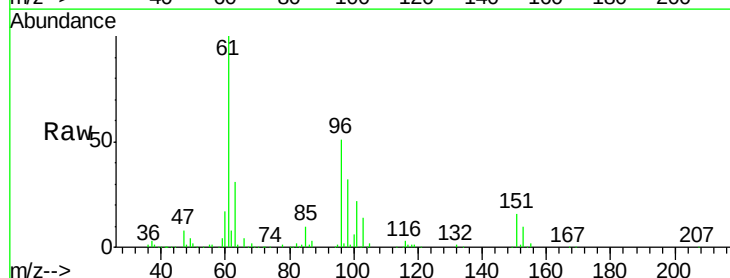
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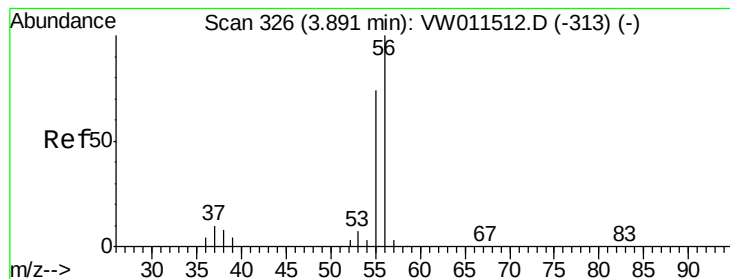


#12

1,1-Dichloroethene
Concen: 50.761 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.5	149.9	224.9
98	61.5	49.1	73.7





#13

Acrolein

Concen: 333.485 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63224

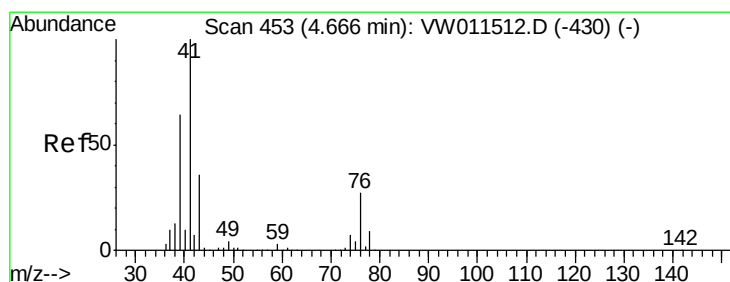
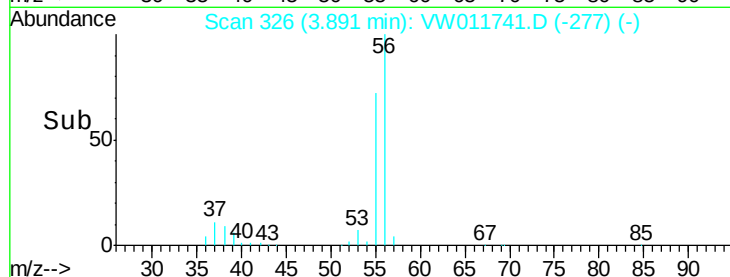
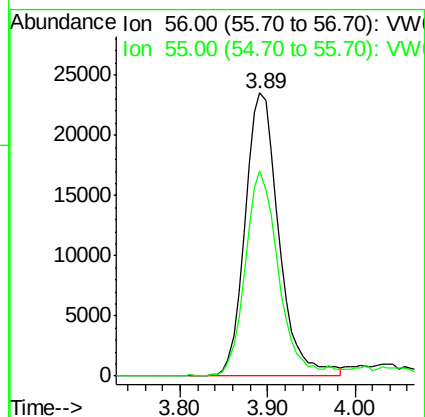
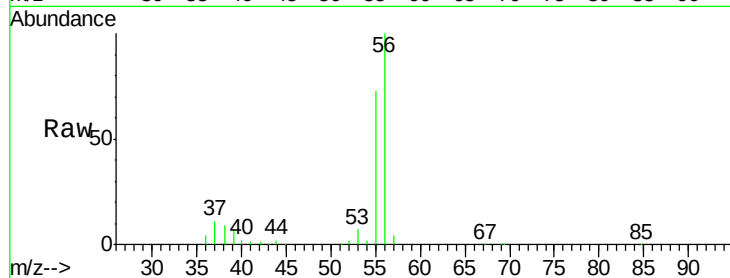
Ion Ratio Lower Upper

56 100

55 69.9 56.0 84.0

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#14

Allyl chloride

Concen: 51.188 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

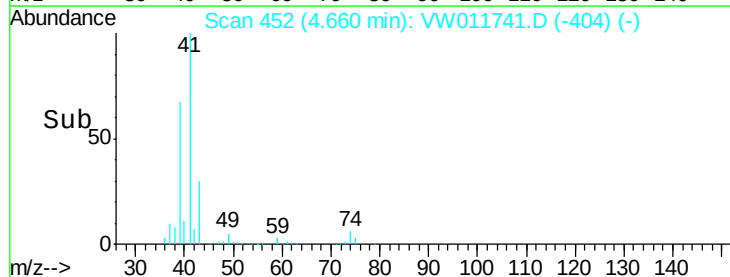
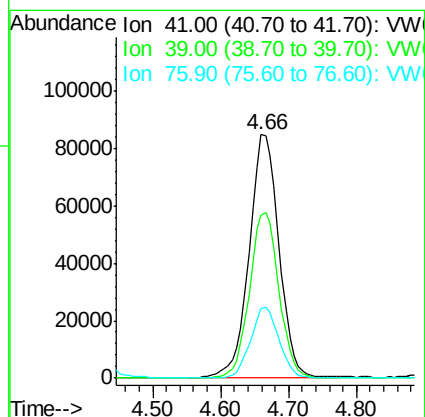
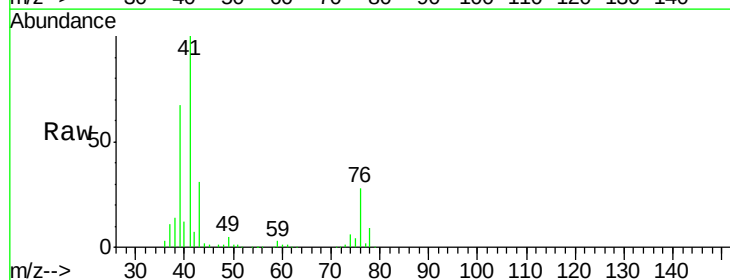
Tgt Ion: 41 Resp: 260902

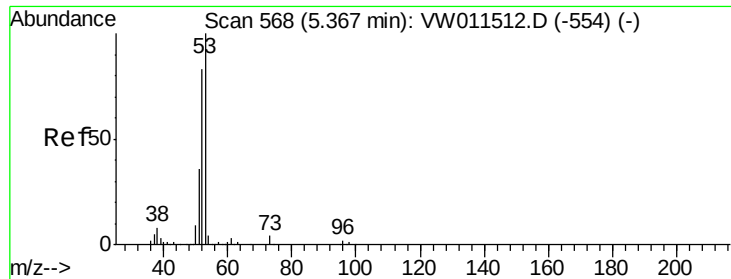
Ion Ratio Lower Upper

41 100

39 66.6 52.6 78.8

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 243.565 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

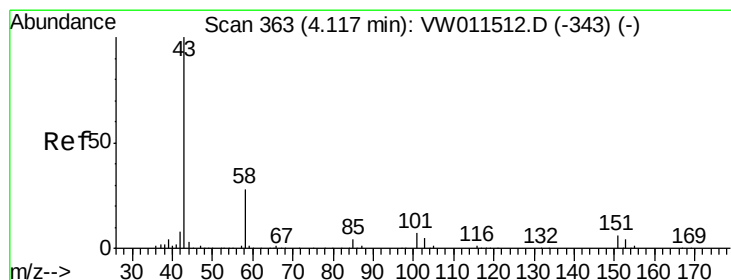
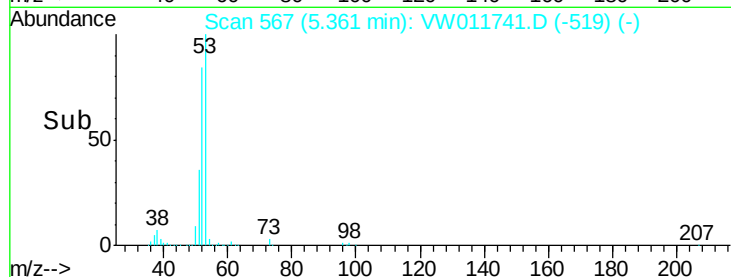
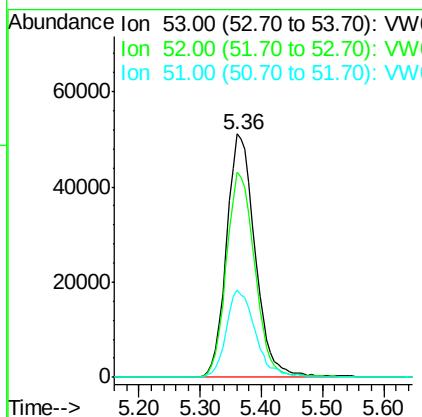
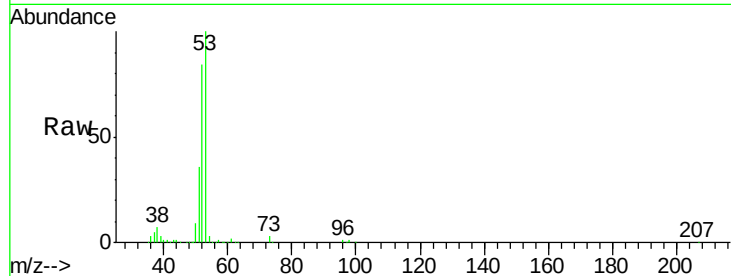
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	164937
Ion Ratio		Lower	Upper
53	100		
52	83.7	67.2	100.8
51	36.8	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 247.256 ug/l

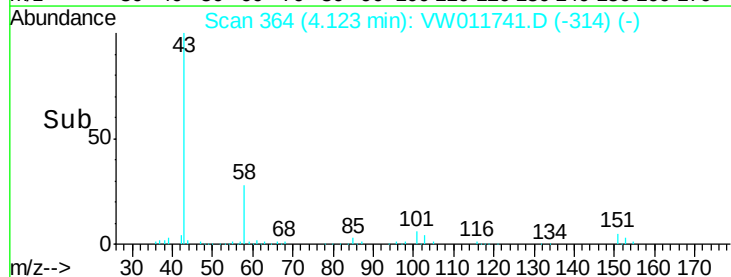
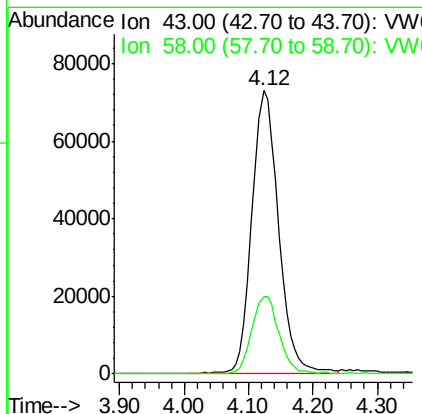
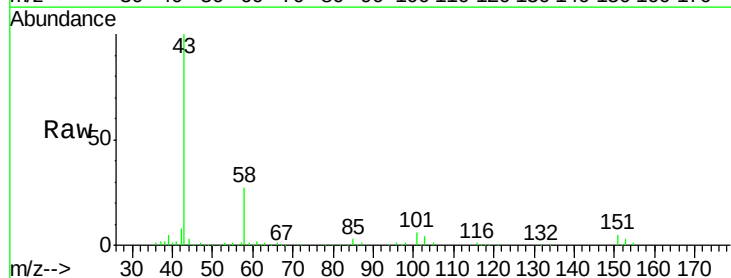
RT: 4.12 min Scan# 364

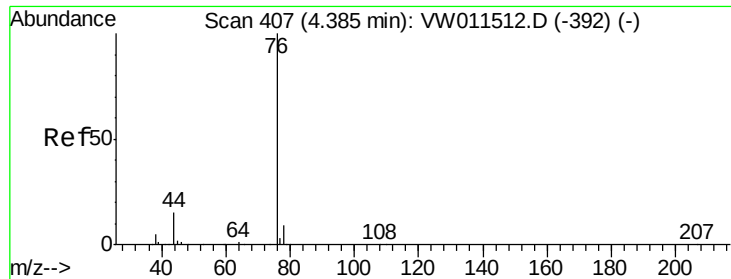
Delta R.T. 0.01 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion:	43	Resp:	207813
Ion Ratio		Lower	Upper
43	100		
58	27.3	22.3	33.5





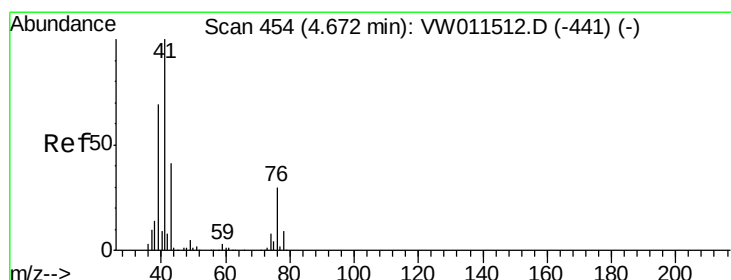
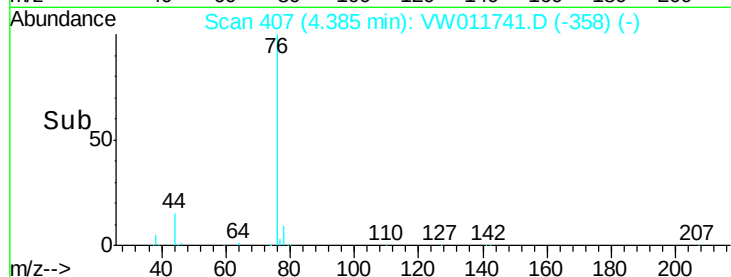
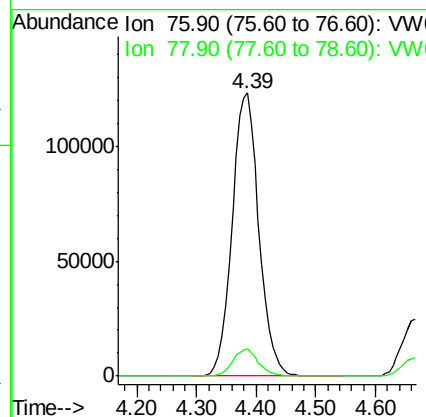
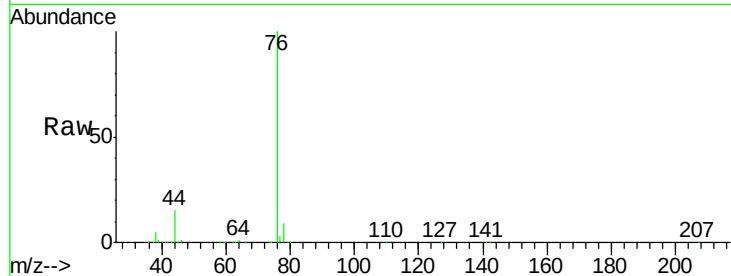
#17
Carbon Disulfide
Concen: 51.031 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

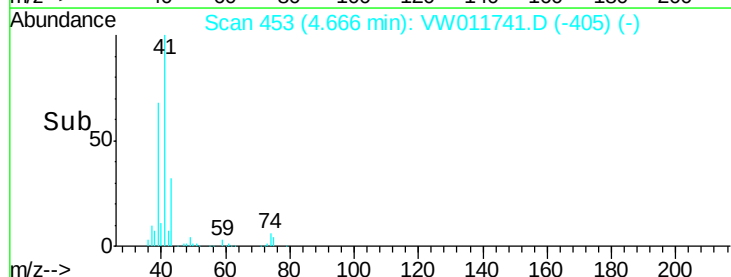
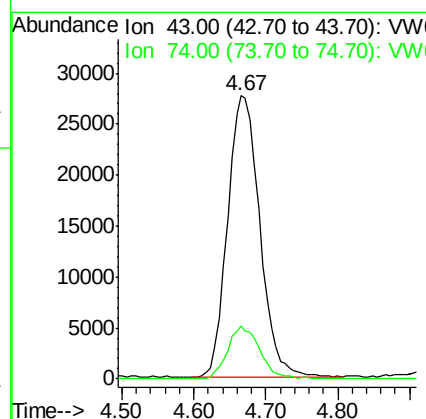
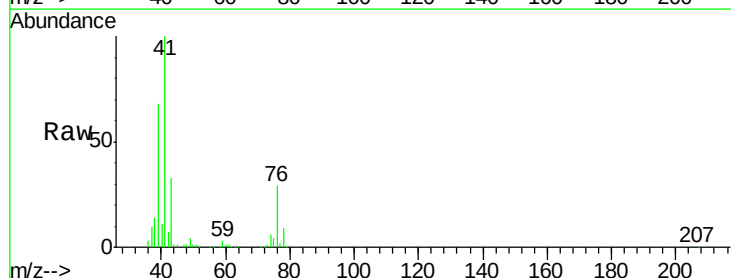
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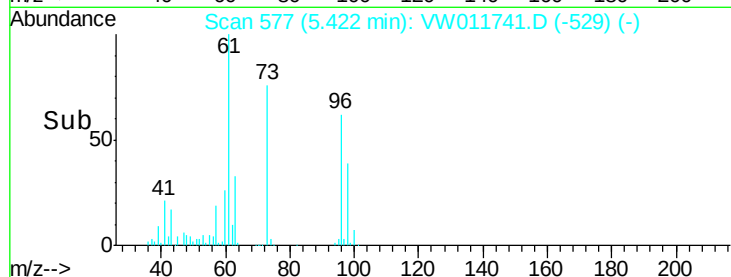
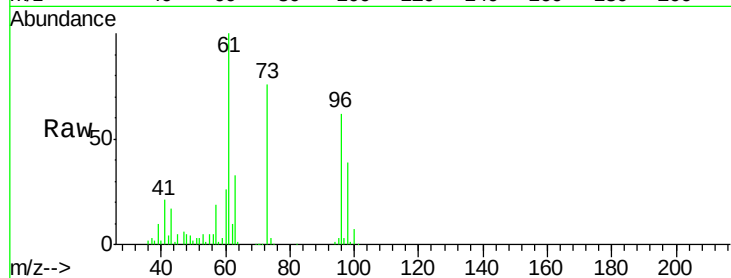
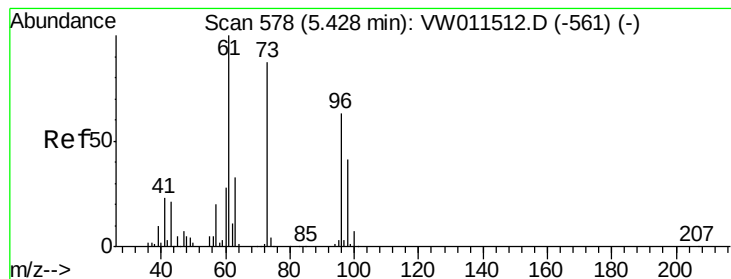
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#18
Methyl Acetate
Concen: 45.339 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	15.9	23.9





#19

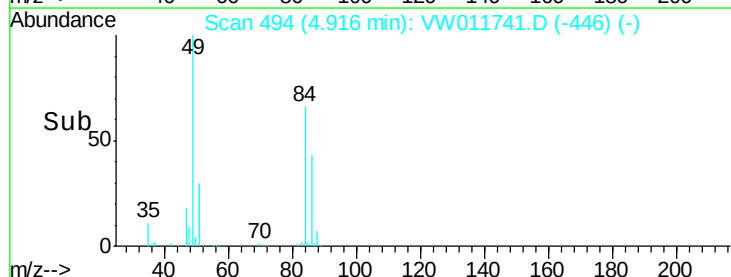
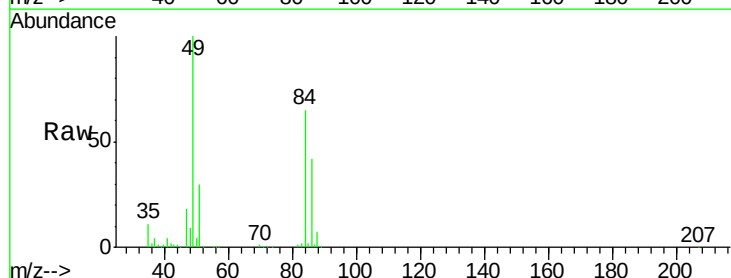
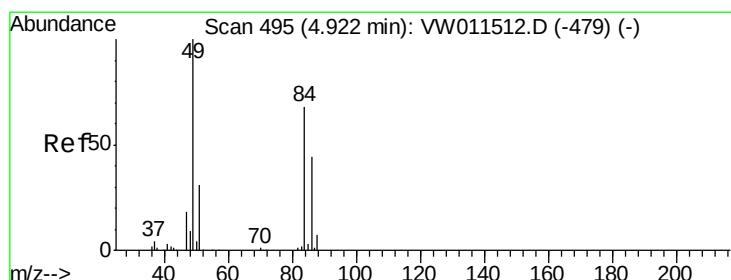
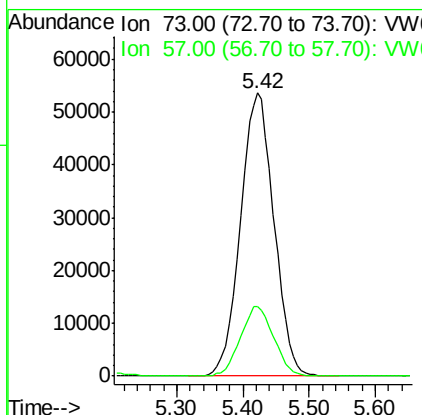
Methyl tert-butyl Ether
 Concen: 49.353 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.6	18.4	27.6

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

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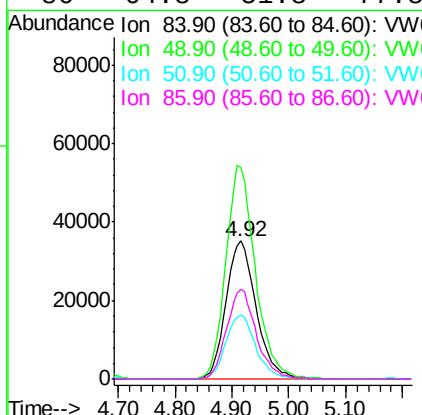
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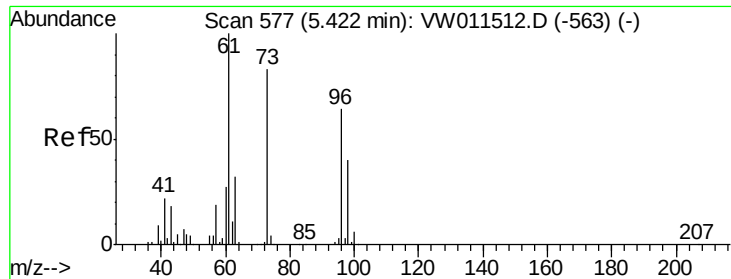


#20

Methylene Chloride
 Concen: 44.761 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.3	117.8	176.6
51	46.1	37.0	55.4
86	64.8	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 50.501 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

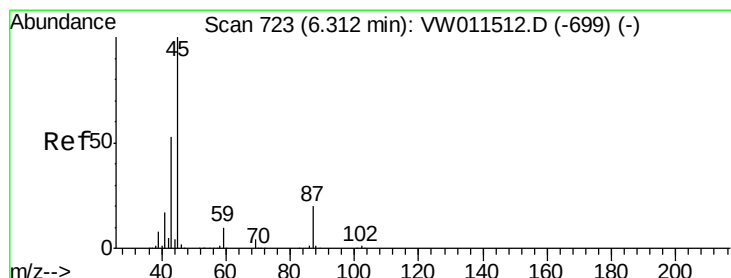
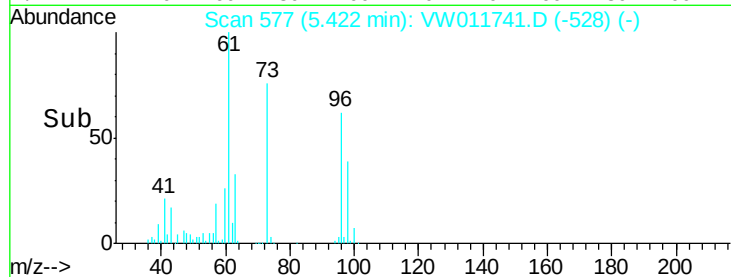
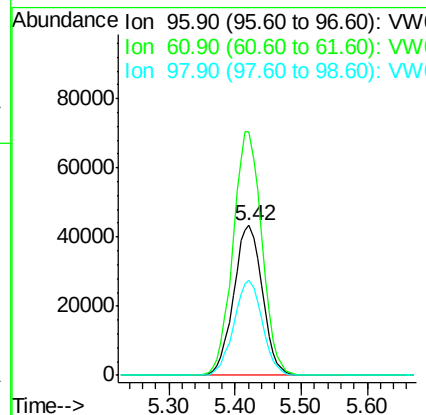
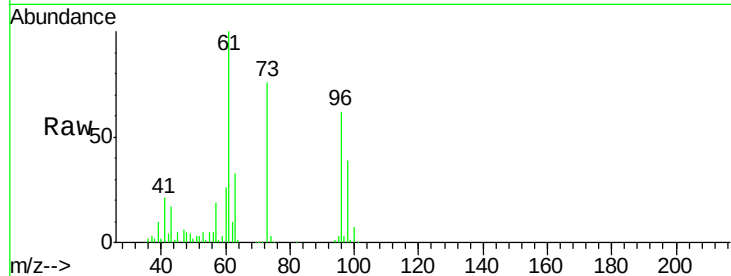
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	130474
Ion	Ratio	Lower	Upper
96	100		
61	162.5	125.7	188.5
98	63.5	50.3	75.5

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#22

Diisopropyl ether

Concen: 49.155 ug/l

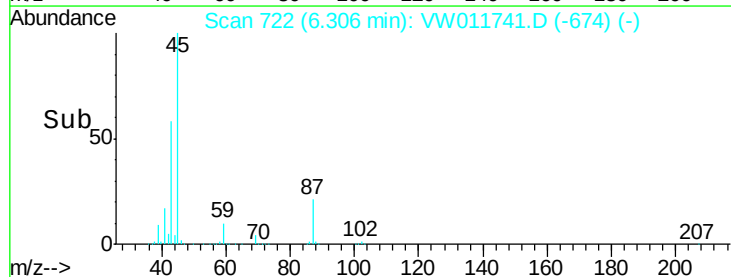
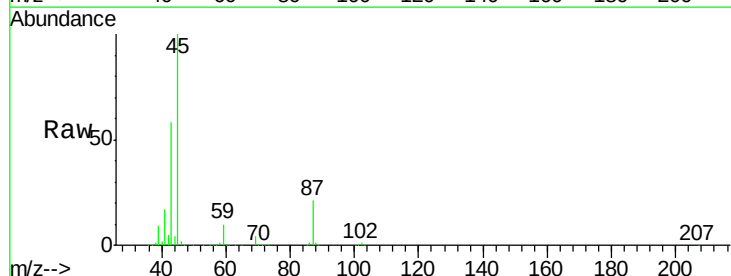
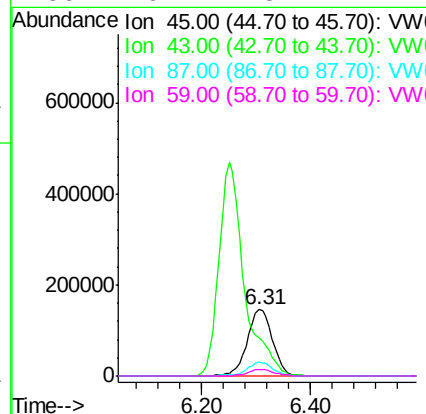
RT: 6.31 min Scan# 722

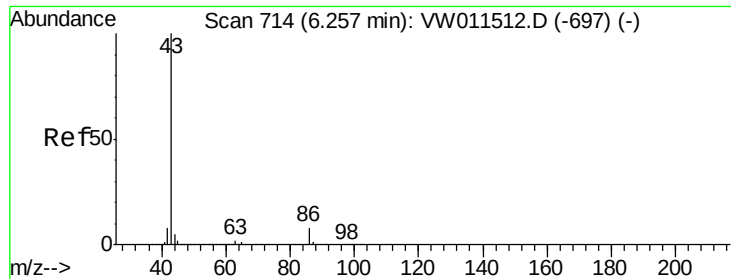
Delta R.T. -0.01 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion:	45	Resp:	472362
Ion	Ratio	Lower	Upper
45	100		
43	58.3	42.6	63.8
87	20.8	16.4	24.6
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 250.870 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1514808

Ion Ratio Lower Upper

43 100

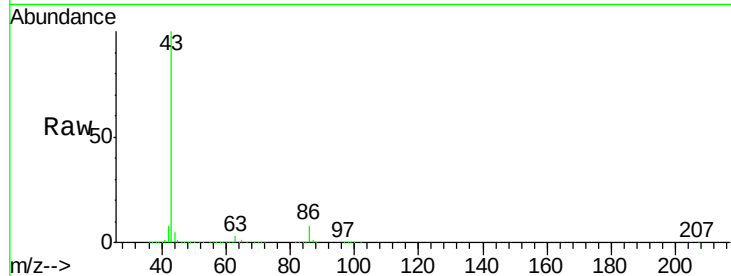
86 7.9 6.5 9.7

Manual Integrations

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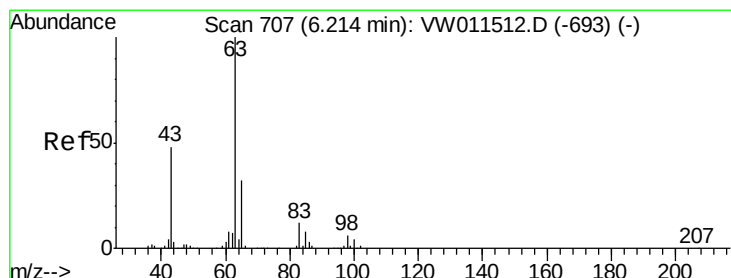
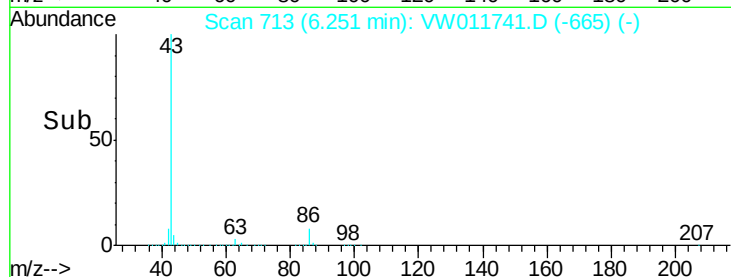
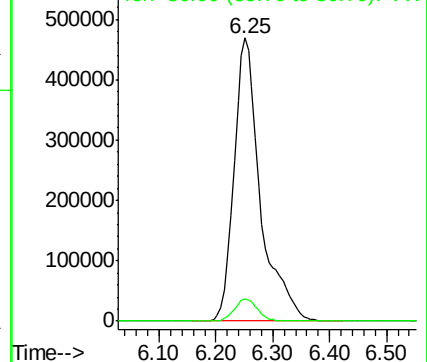
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 50.177 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

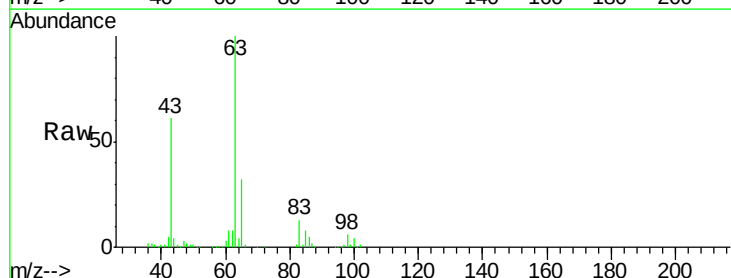
Tgt Ion: 63 Resp: 258237

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

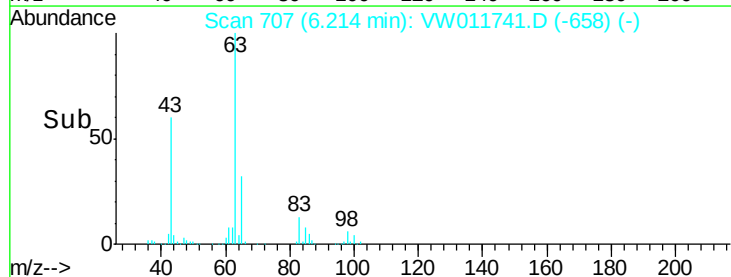
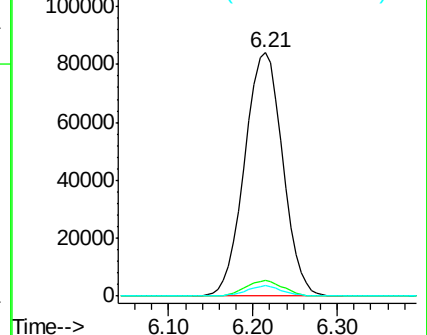
100 4.3 2.1 6.3

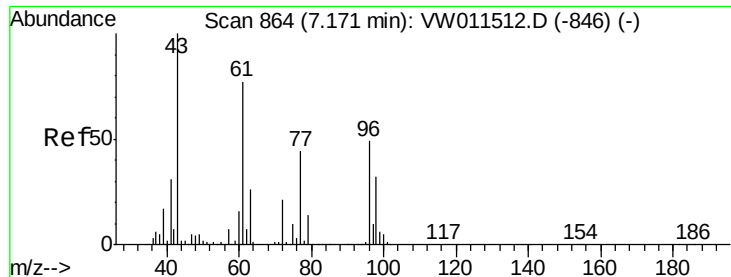


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 241.844 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 265978

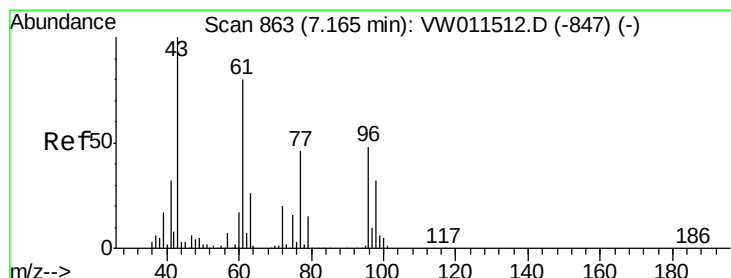
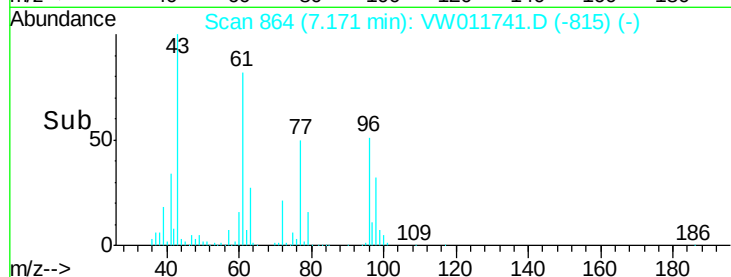
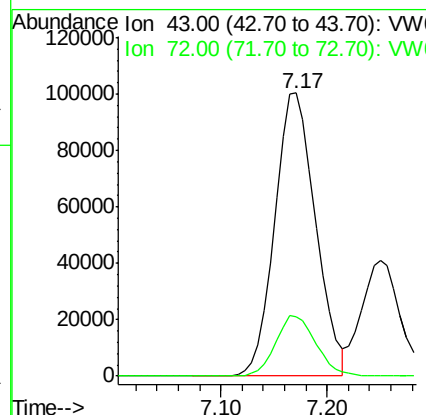
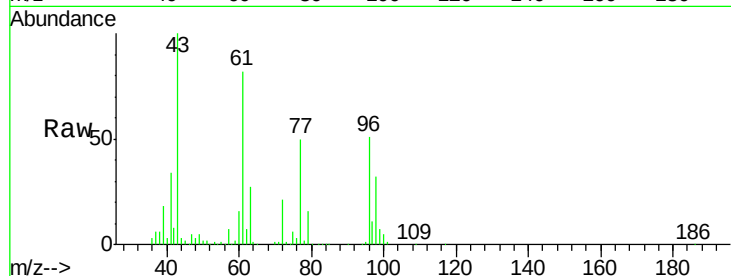
Ion Ratio Lower Upper

43 100

72 21.1 16.6 24.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 48.379 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011741.D

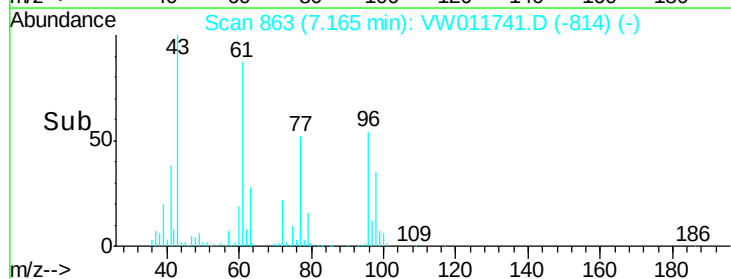
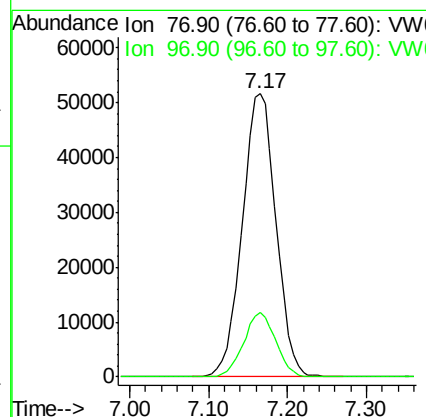
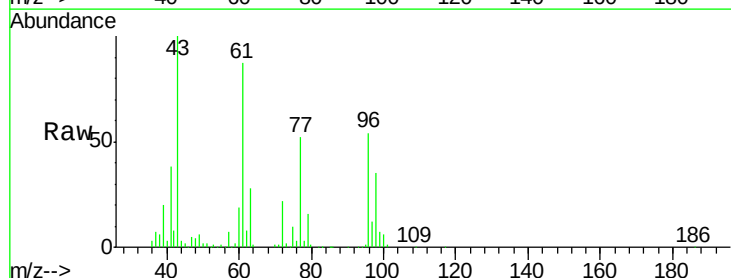
Acq: 07 Aug 2019 10:34

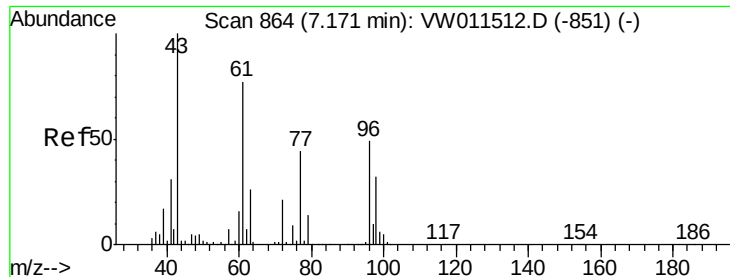
Tgt Ion: 77 Resp: 153124

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.4





#27

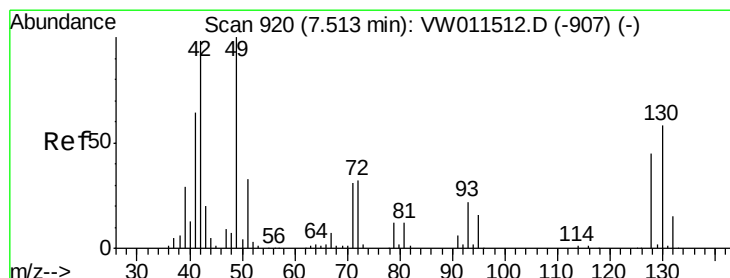
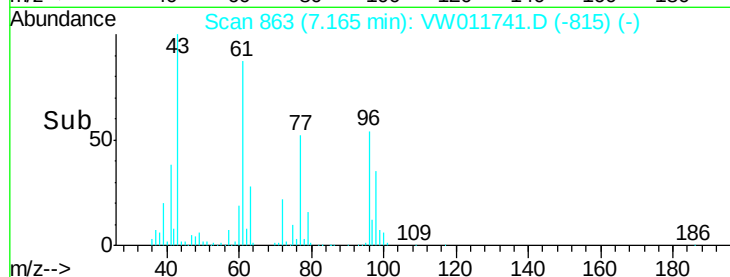
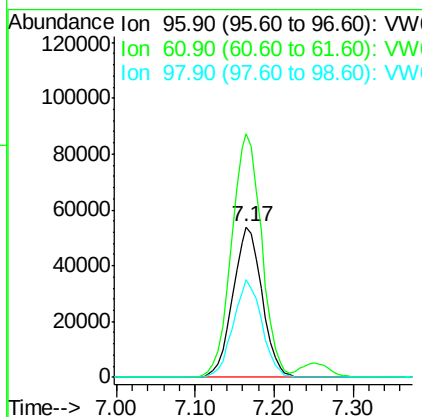
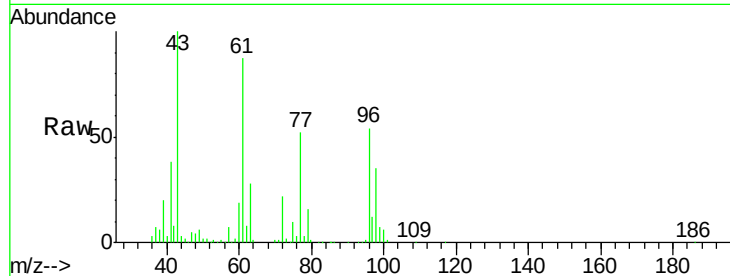
cis-1,2-Dichloroethene
Concen: 48.700 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	166.0	0.0	328.4	
98	63.7	0.0	128.8	

Manual Integrations
APPROVED

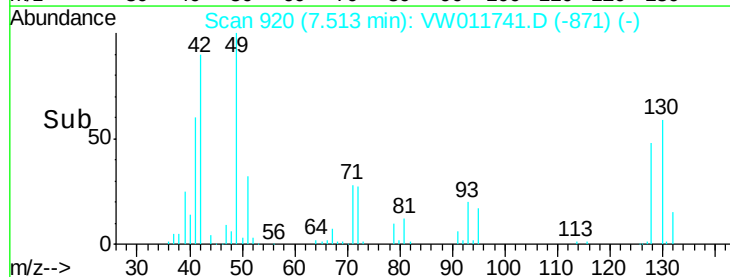
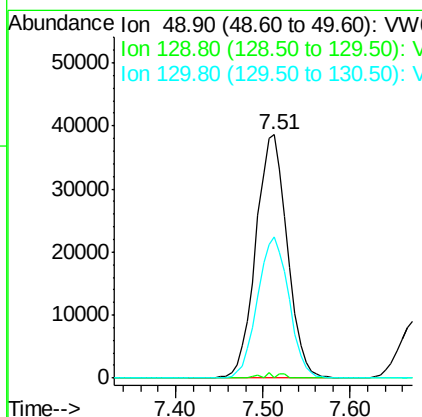
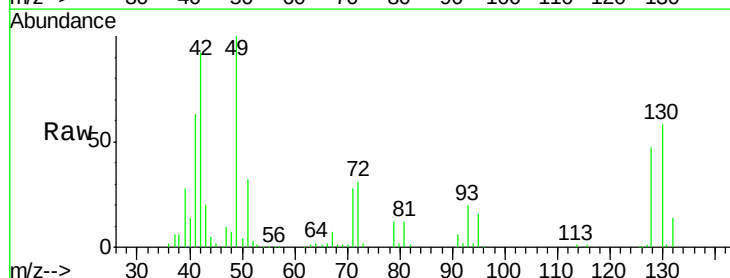
MMDadoda
8/8/2019 9:30:41 AM

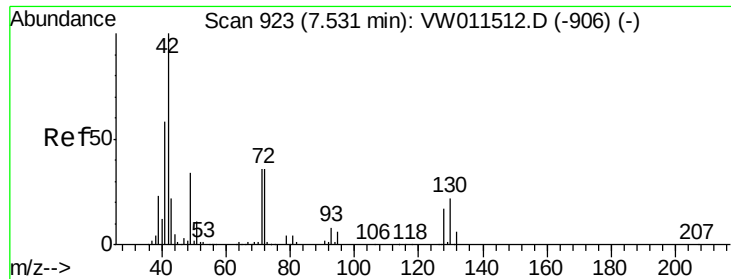


#28

Bromochloromethane
Concen: 42.318 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.3	0.0	1.0	
130	58.2	46.3	69.5	





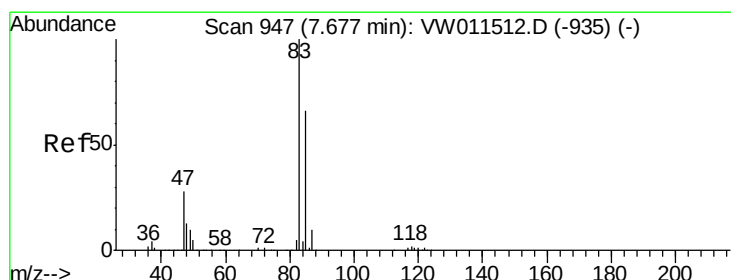
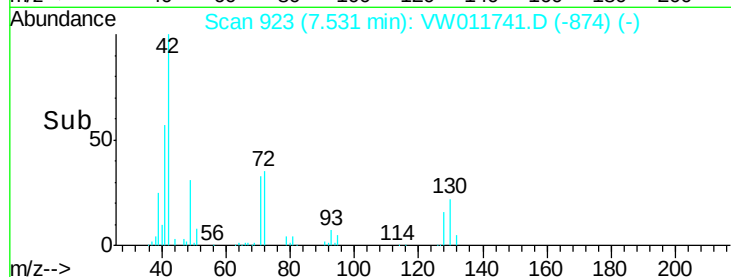
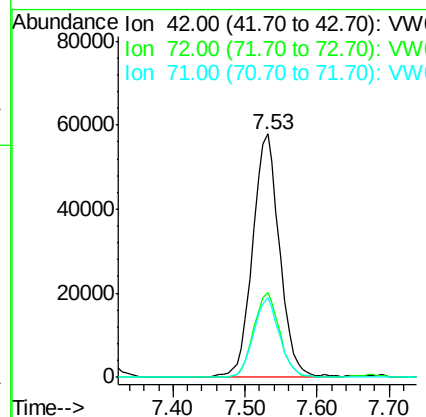
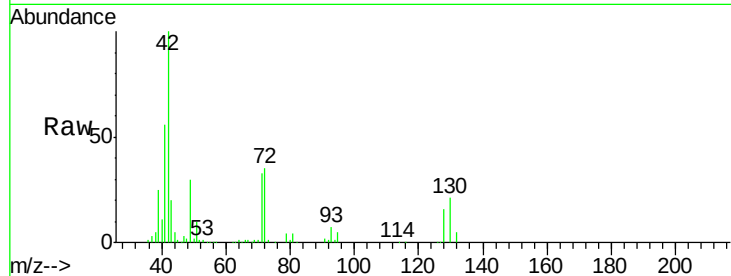
#29
Tetrahydrofuran
Concen: 238.313 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.1	40.7
71	31.6	26.2	39.4

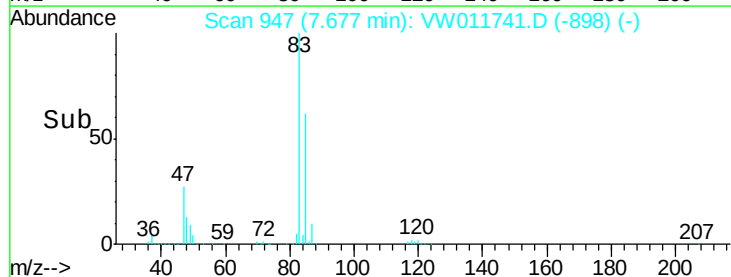
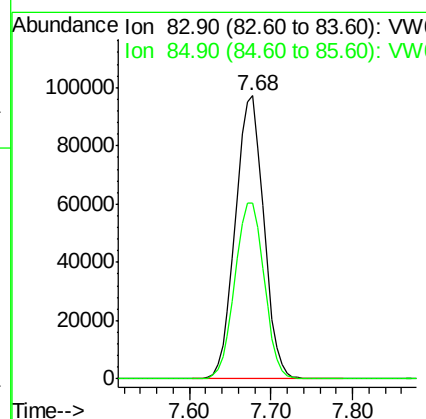
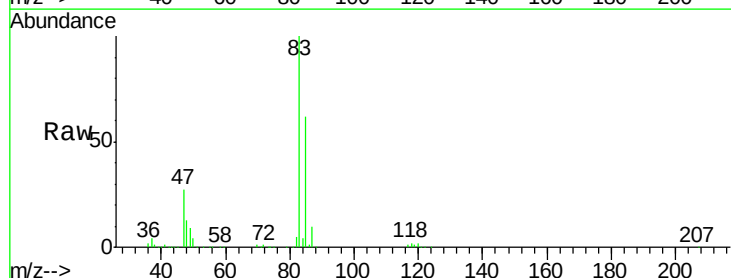
Manual Integrations
APPROVED

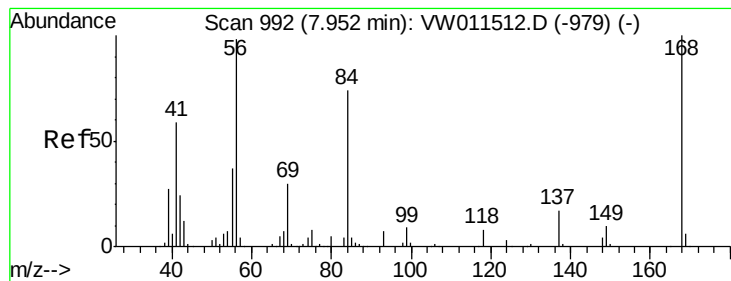
MMDadoda
8/8/2019 9:30:41 AM



#30
Chloroform
Concen: 49.176 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.5	78.7





#31

Cyclohexane

Concen: 48.921 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

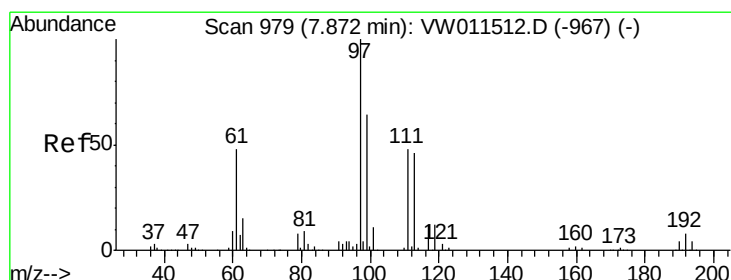
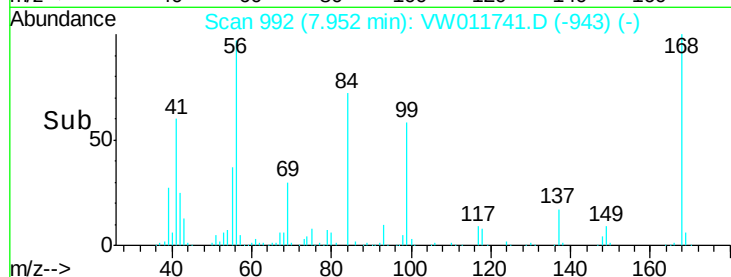
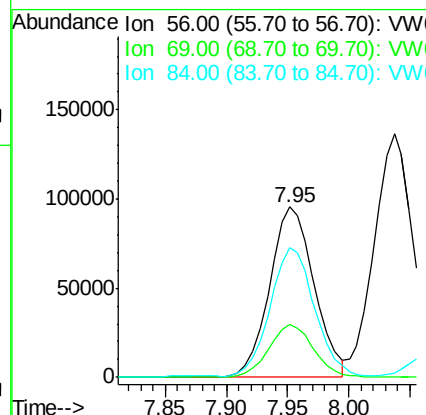
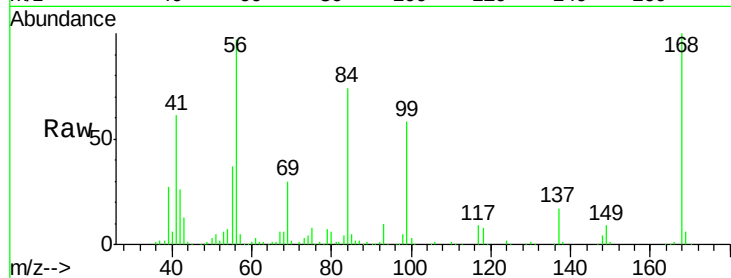
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	241684
Ion Ratio	Lower	Upper	
56	100		
69	31.2	24.3	36.5
84	74.8	60.4	90.6

Manual Integrations
APPROVED

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8/8/2019 9:30:41 AM



#32

1,1,1-Trichloroethane

Concen: 52.924 ug/l

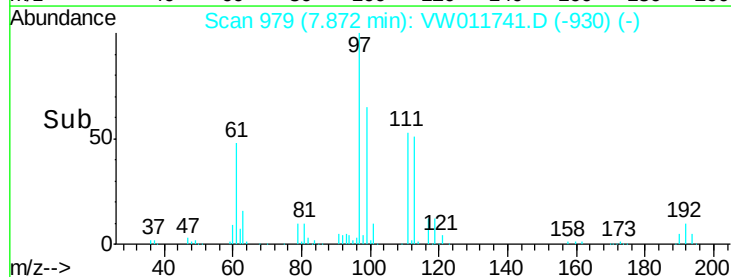
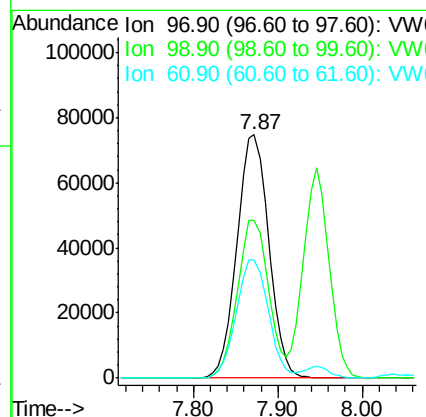
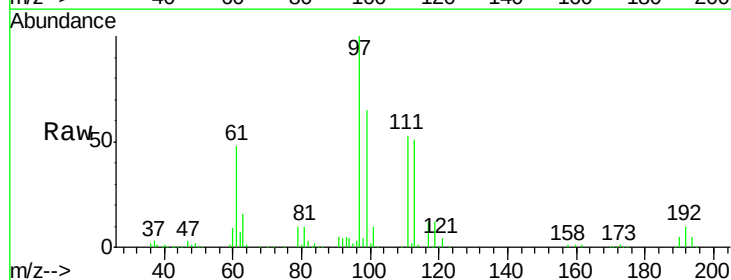
RT: 7.87 min Scan# 979

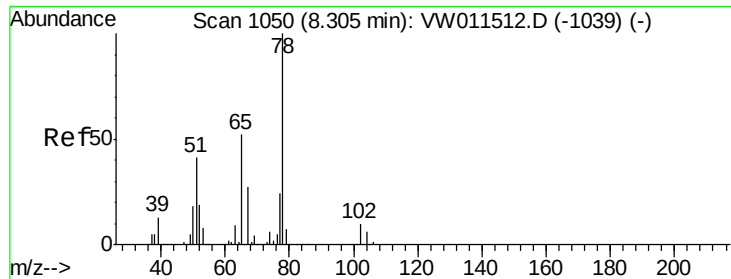
Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion:	97	Resp:	191372
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.0	76.6
61	49.4	39.8	59.6





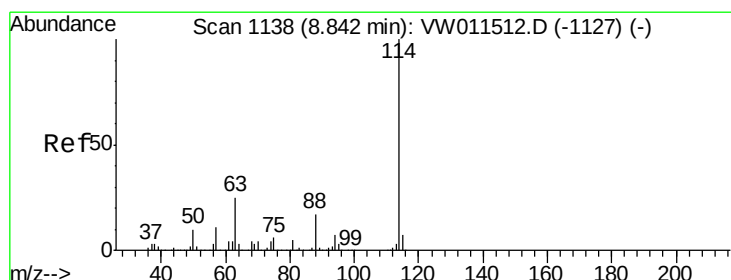
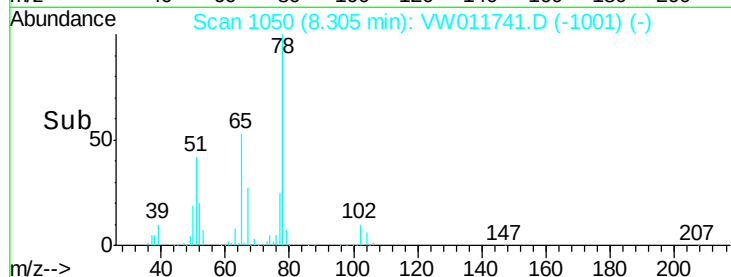
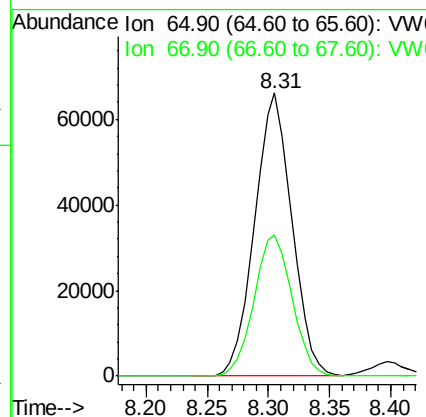
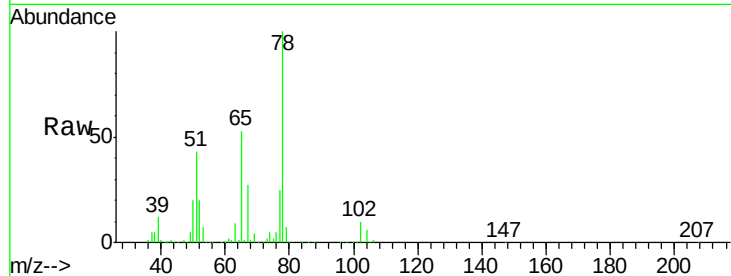
#33
 1,2-Dichloroethane-d4
 Concen: 53.217 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140611		
67	51.3	0.0	105.2	

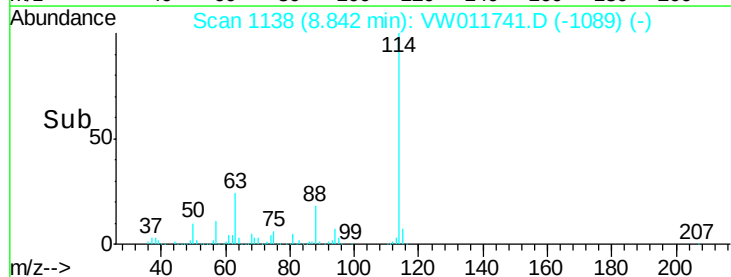
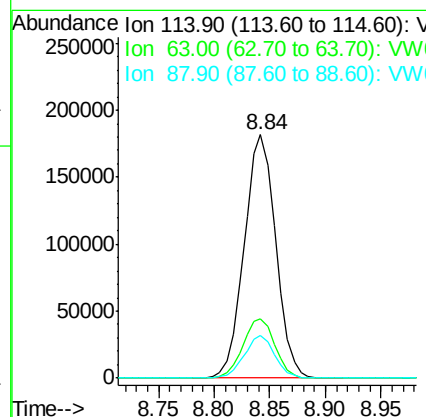
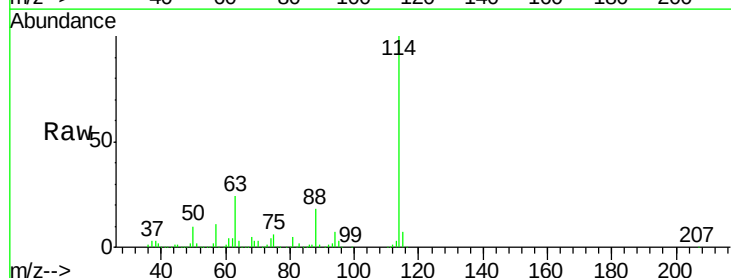
Manual Integrations
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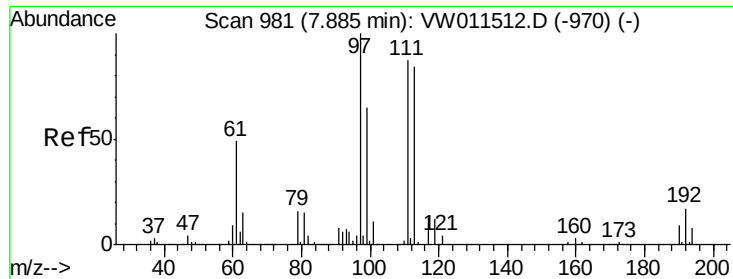
MMDadoda
 8/8/2019 9:30:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	357031		
63	24.4	0.0	49.2	
88	17.5	0.0	33.8	





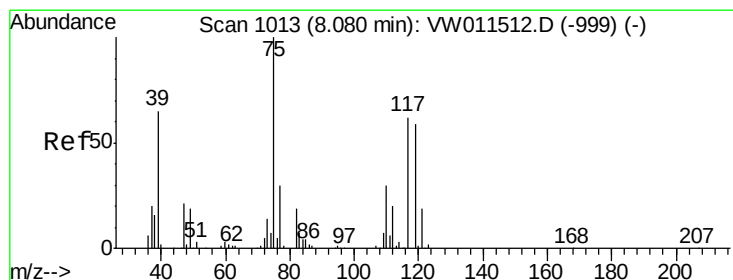
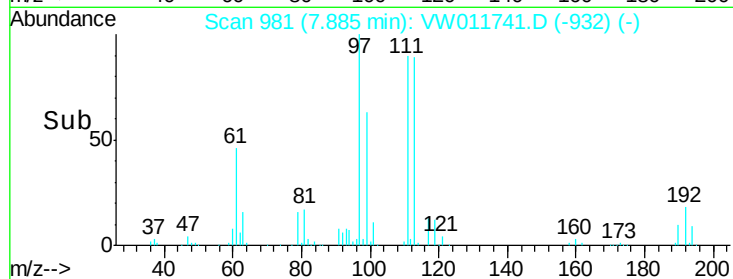
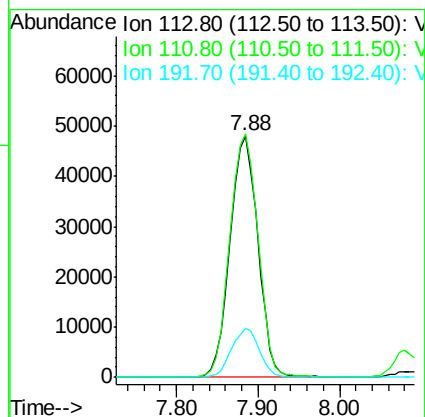
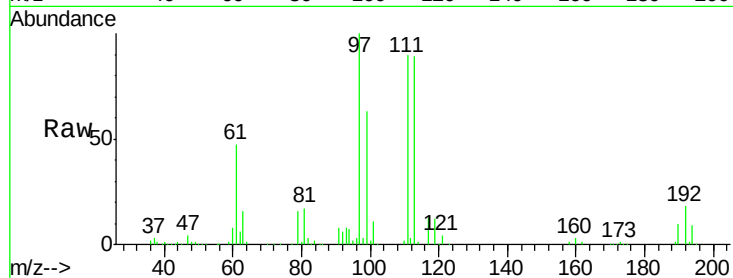
#35
 Dibromofluoromethane
 Concen: 56.452 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113074		
111	102.6	82.7	124.1	
192	20.3	16.1	24.1	

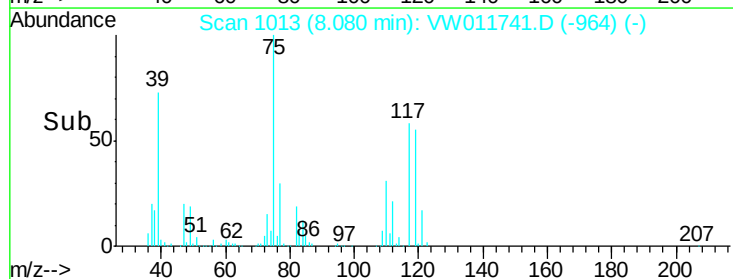
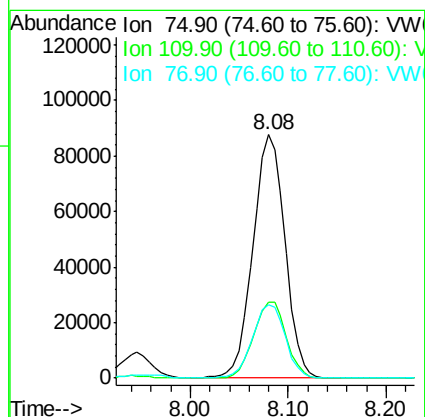
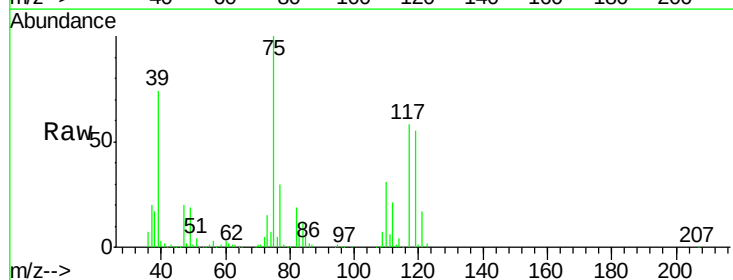
Manual Integrations
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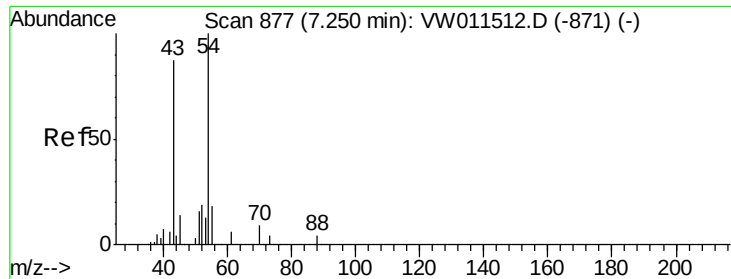
MMDadoda
 8/8/2019 9:30:41 AM



#36
 1,1-Dichloropropene
 Concen: 53.917 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	200167		
110	31.8	15.6	46.8	
77	31.1	24.3	36.5	





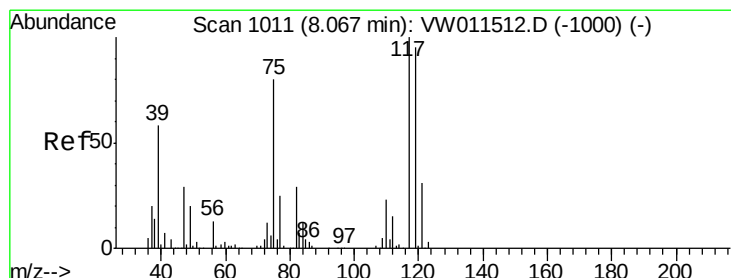
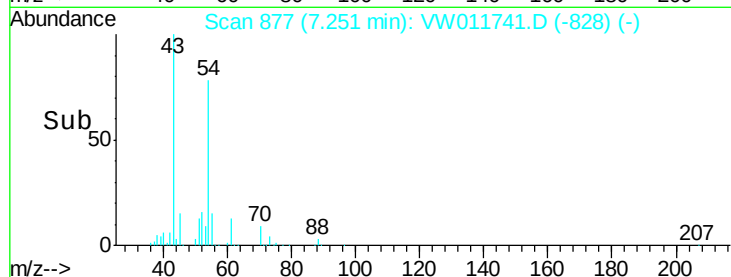
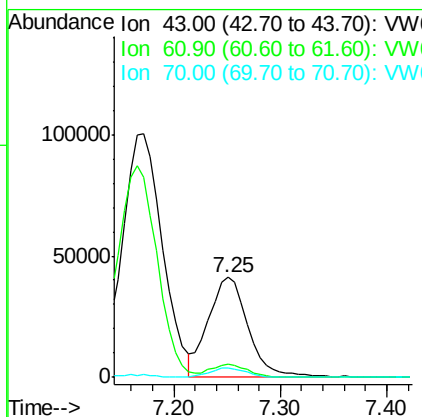
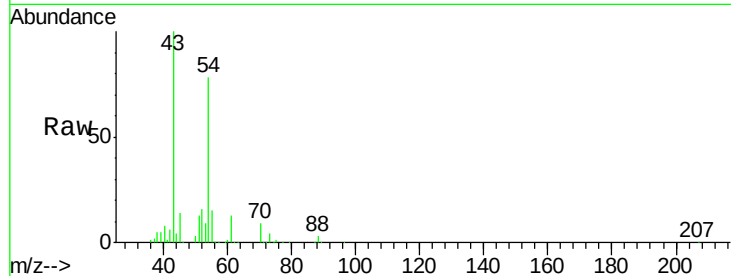
#37
Ethyl Acetate
Concen: 49.454 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	105627
Ion Ratio	Lower	Upper	
43	100		
61	12.4	8.8	13.2
70	8.9	7.1	10.7

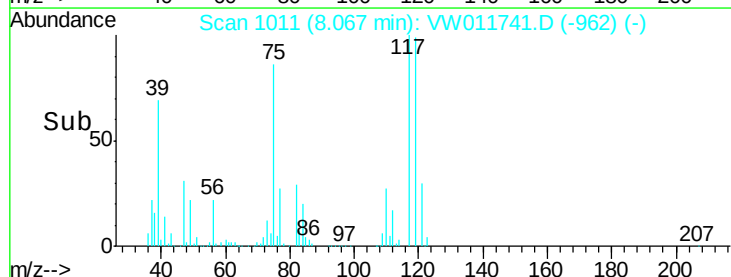
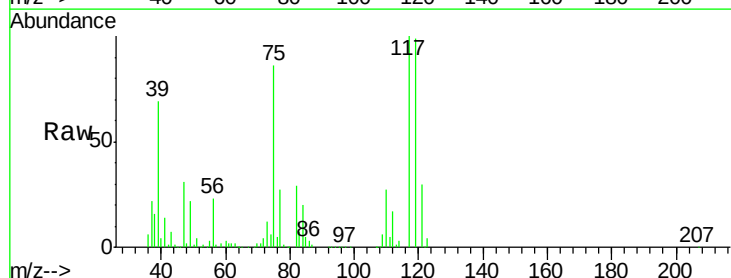
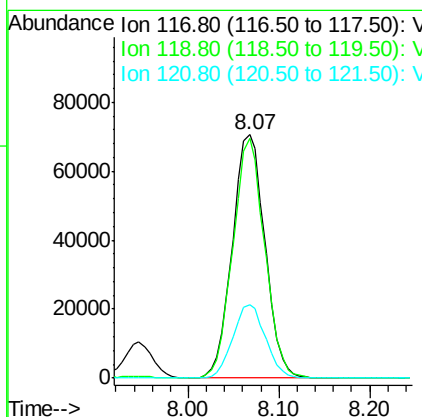
Manual Integrations
APPROVED

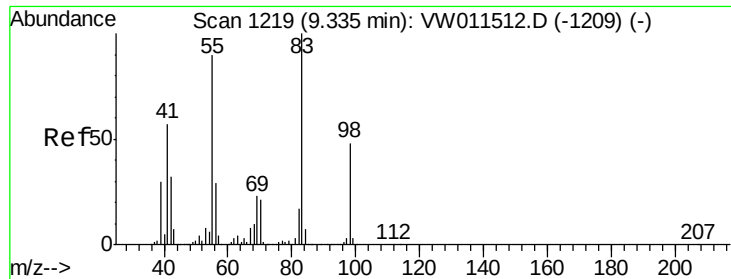
MMDadoda
8/8/2019 9:30:41 AM



#38
Carbon Tetrachloride
Concen: 55.575 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	117	Resp	176626
Ion Ratio	Lower	Upper	
117	100		
119	98.6	75.8	113.6
121	29.9	24.7	37.1





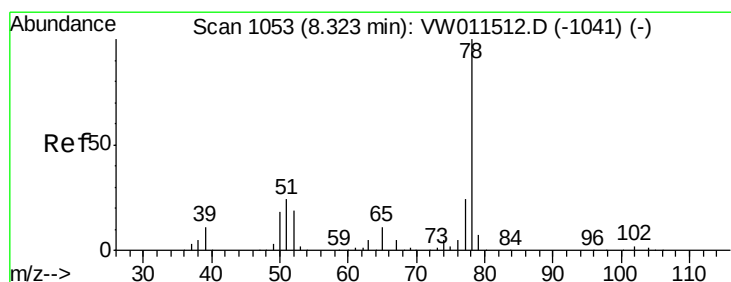
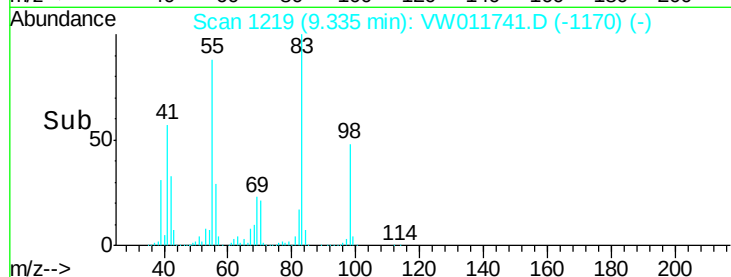
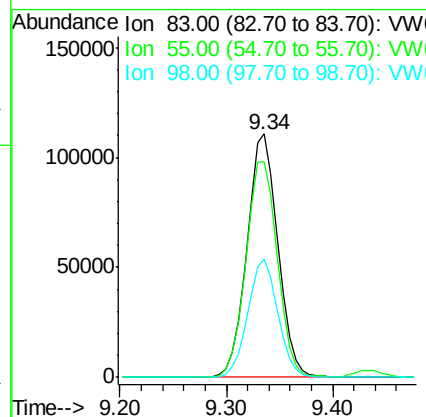
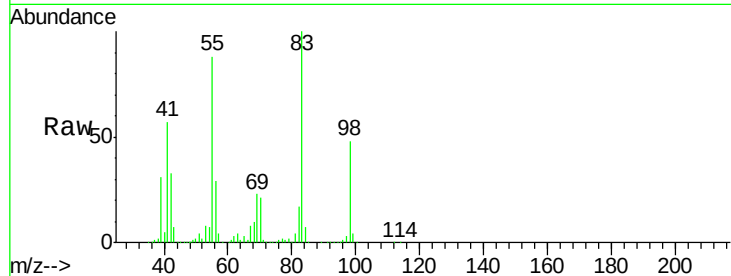
#39
Methylvlcyclohexane
Concen: 55.322 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.4	72.1	108.1
98	48.3	38.6	57.8

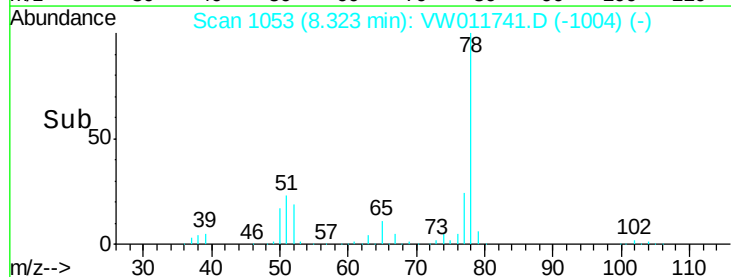
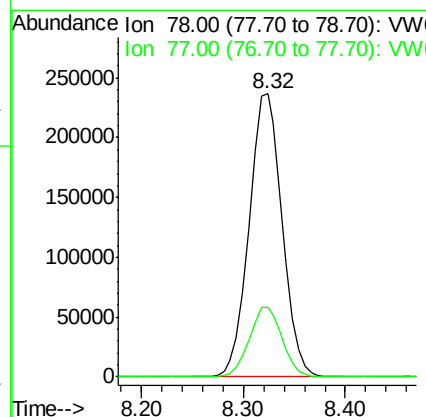
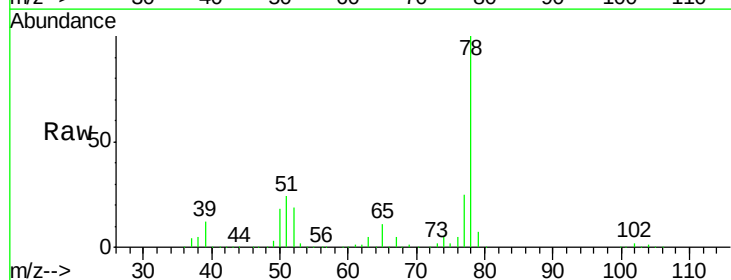
Manual Integrations
APPROVED

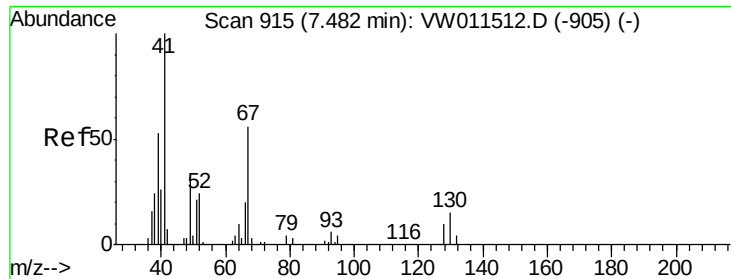
MMDadoda
8/8/2019 9:30:41 AM



#40
Benzene
Concen: 51.132 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.0





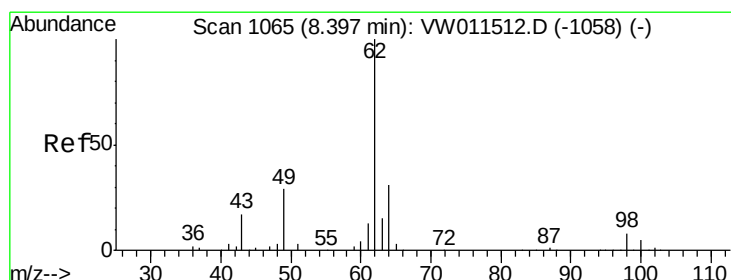
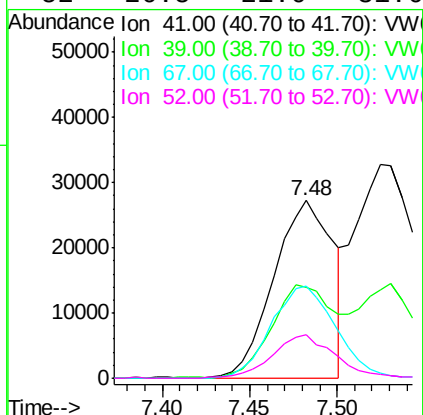
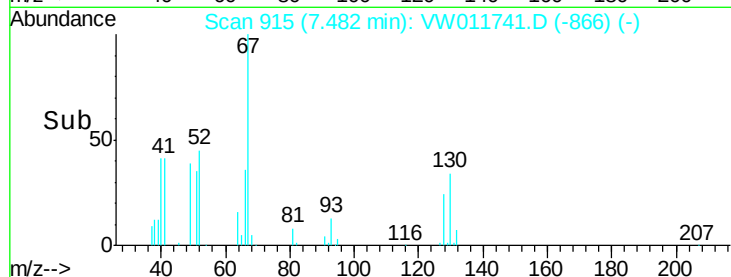
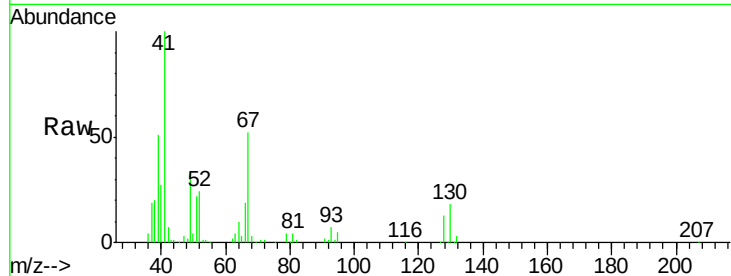
#41
Methacrylonitrile
Concen: 50.301 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	64223
Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.0	64.4
67	57.3	47.5	71.3
52	26.5	21.0	31.6

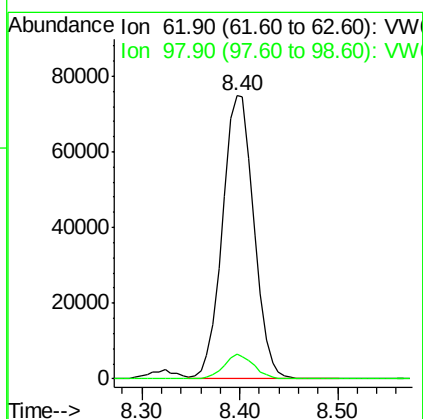
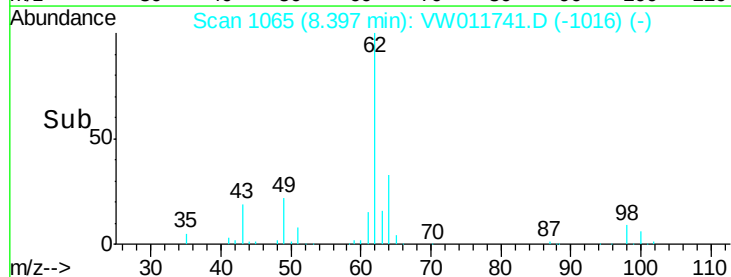
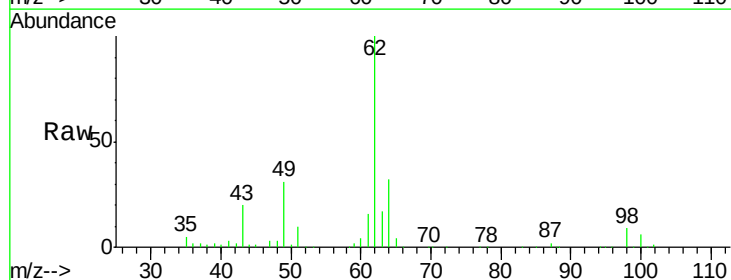
Manual Integrations
APPROVED

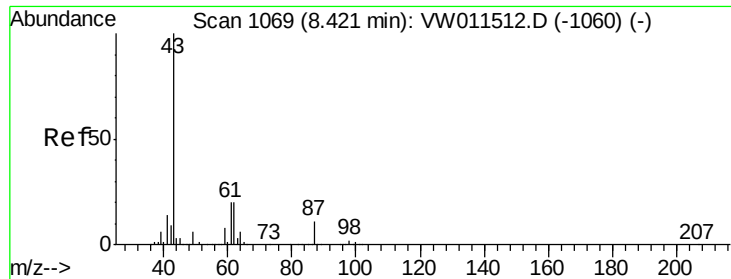
MMDadoda
8/8/2019 9:30:41 AM



#42
1,2-Dichloroethane
Concen: 51.105 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	62	Resp	166384
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 50.802 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

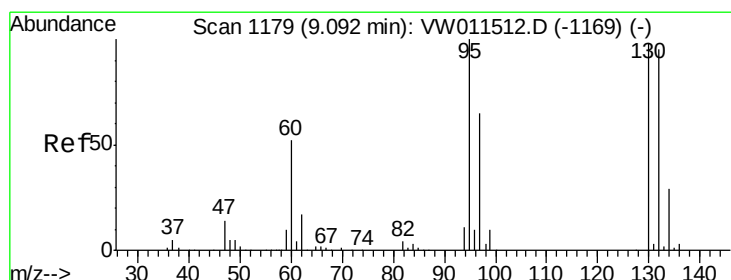
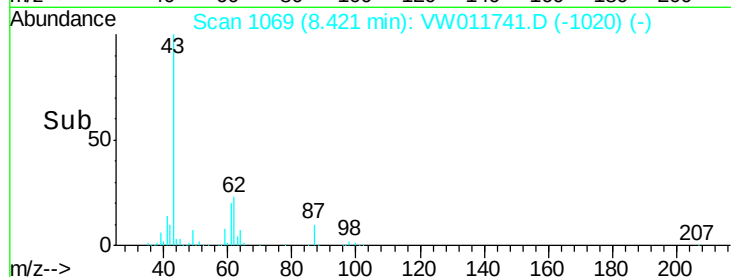
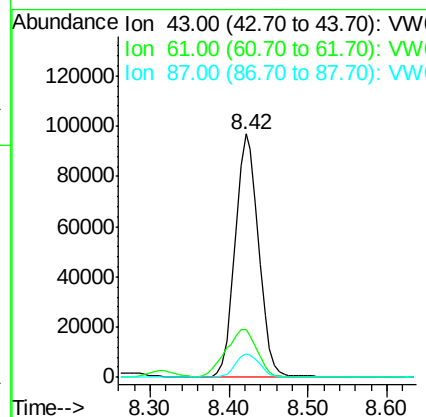
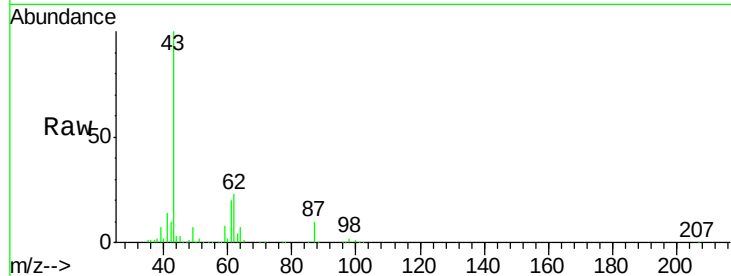
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	199552
Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.5	32.3
87	10.1	8.4	12.6

Manual Integrations
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#44

Trichloroethene

Concen: 52.461 ug/l

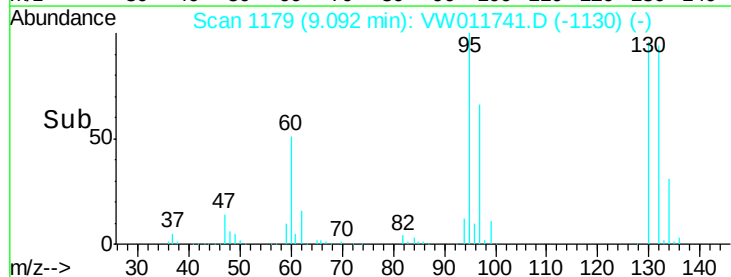
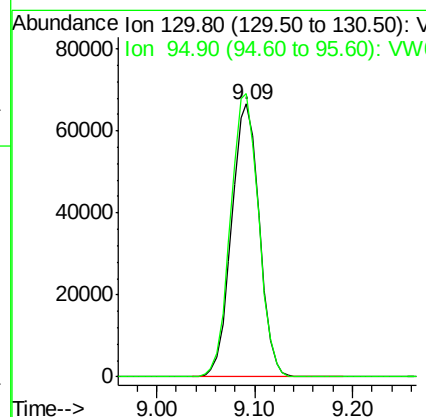
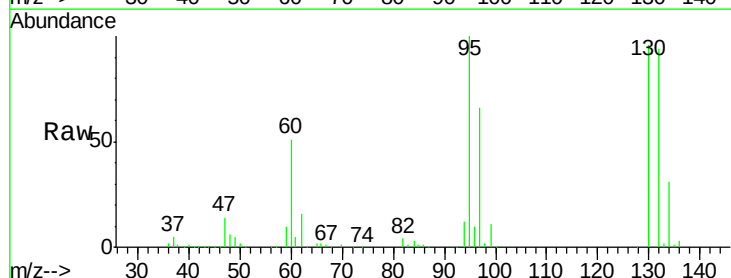
RT: 9.09 min Scan# 1179

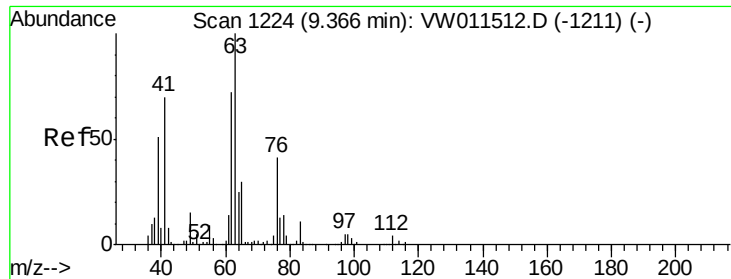
Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion:	130	Resp:	131118
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	204.8





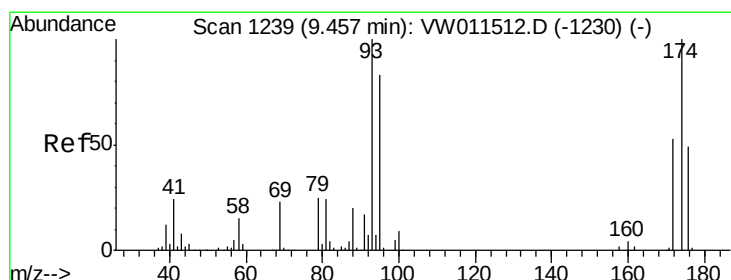
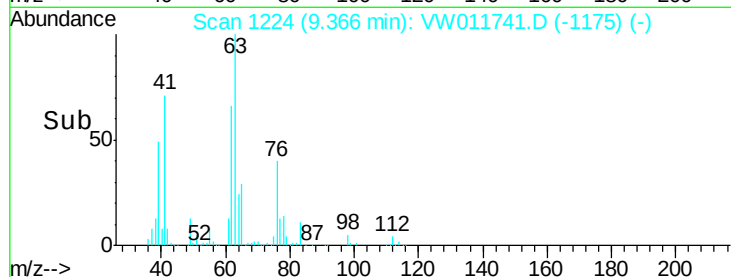
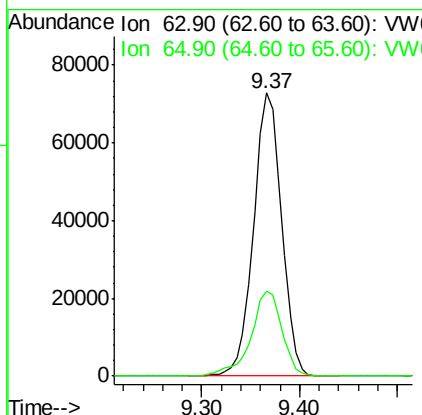
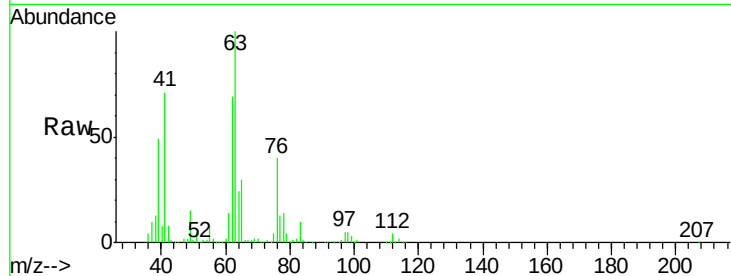
#45
 1,2-Dichloropropane
 Concen: 52.180 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 145185
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.2 36.4

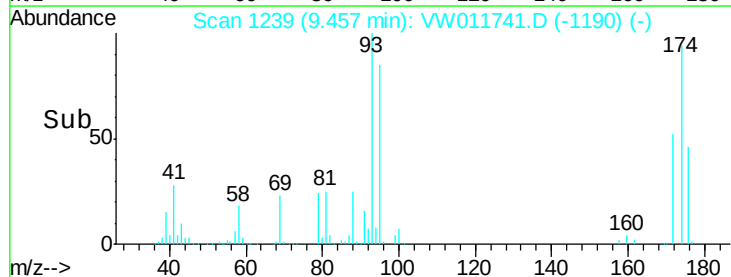
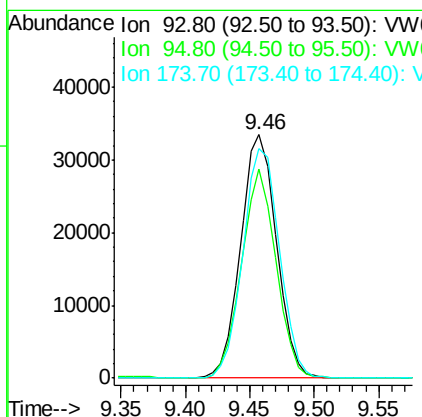
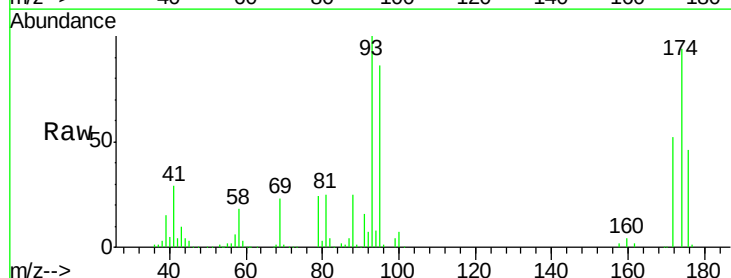
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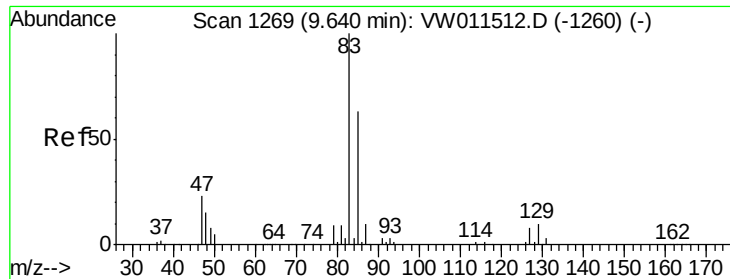
MMDadoda
 8/8/2019 9:30:41 AM



#46
 Dibromomethane
 Concen: 50.779 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Tgt Ion: 93 Resp: 64486
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.2 99.2
 174 96.5 78.2 117.4





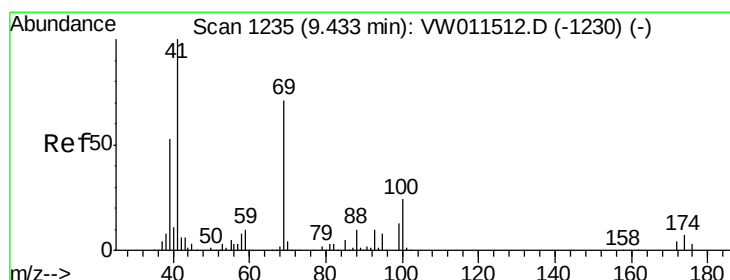
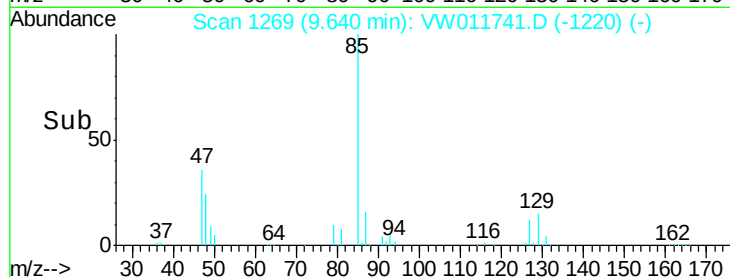
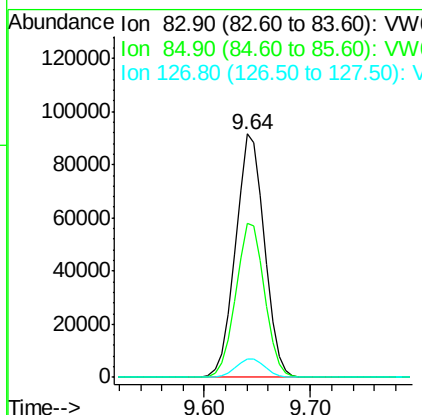
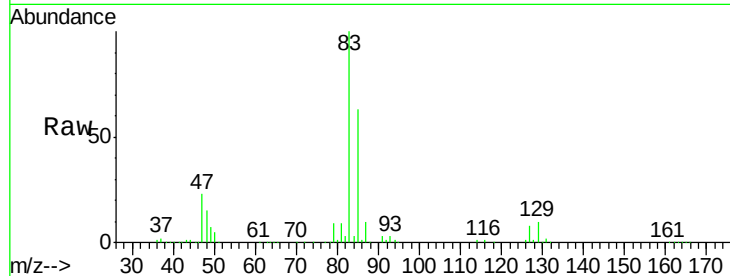
#47
Bromodichloromethane
Concen: 52.374 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	174467
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	7.7	6.4	9.6

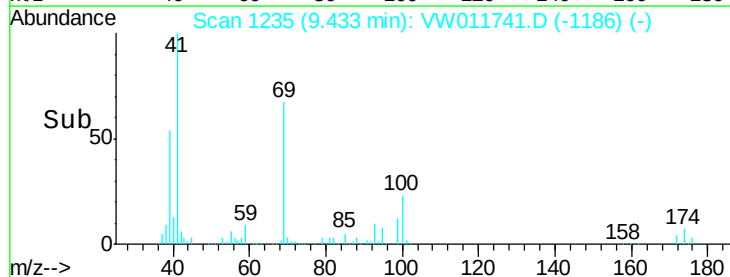
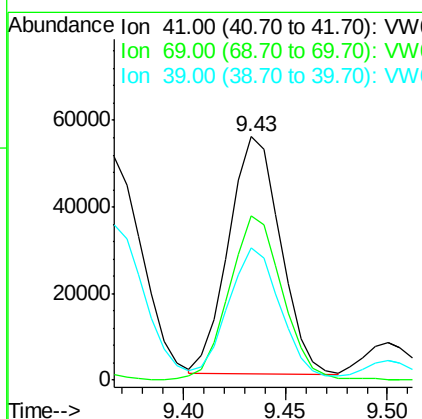
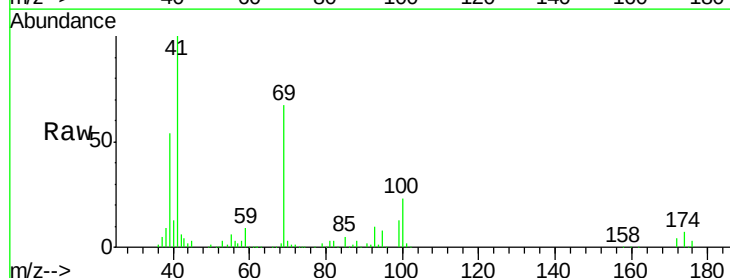
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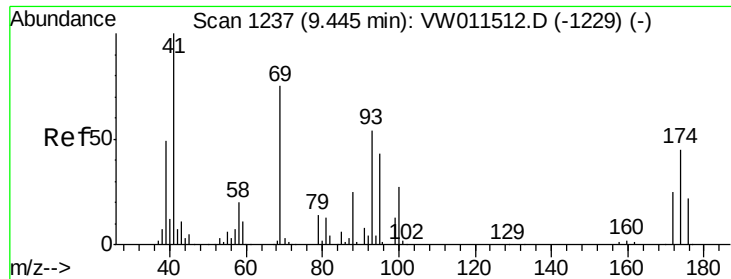
MMDadoda
8/8/2019 9:30:41 AM



#48
Methyl methacrylate
Concen: 50.962 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	41	Resp	96159
Ion Ratio	100	Lower	Upper
41	100		
69	71.1	57.1	85.7
39	53.1	45.4	68.2





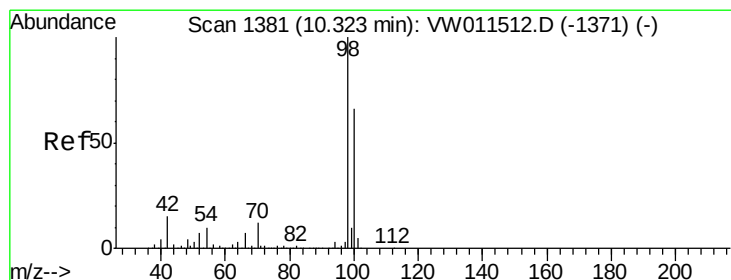
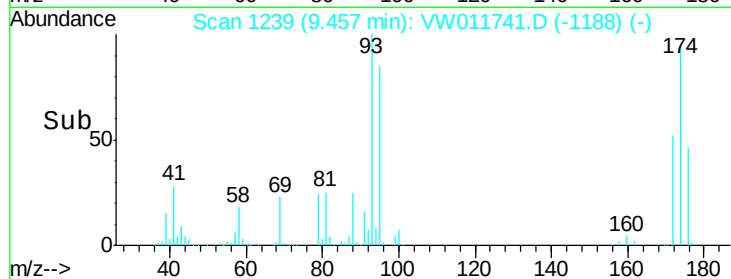
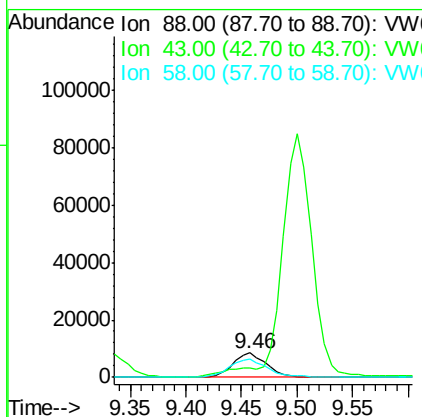
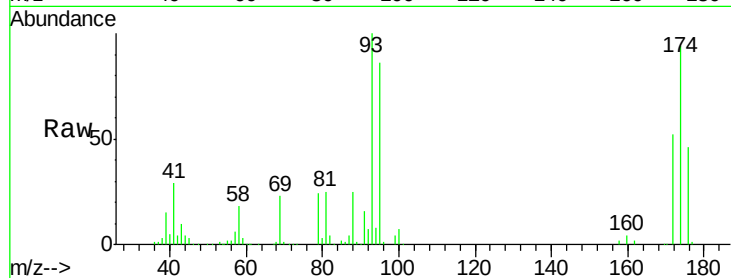
#49
1,4-Dioxane
Concen: 965.368 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	17751
Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.0	51.0#
58	85.3	69.7	104.5

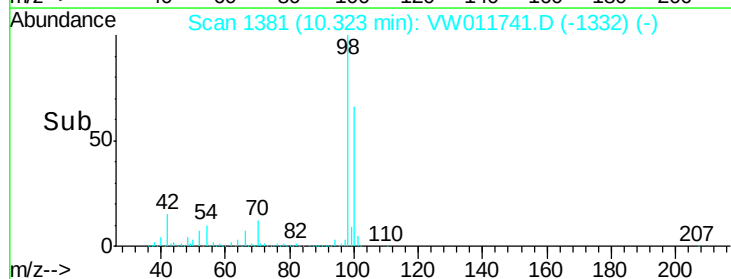
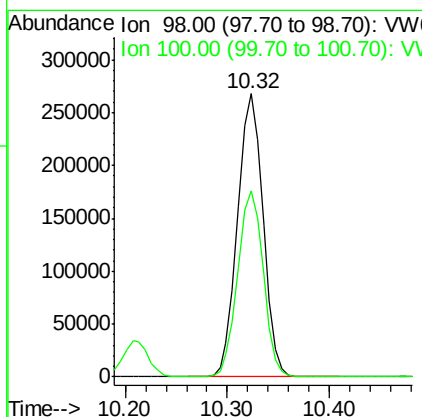
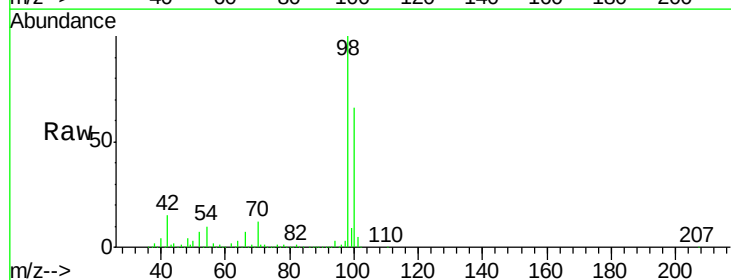
Manual Integrations
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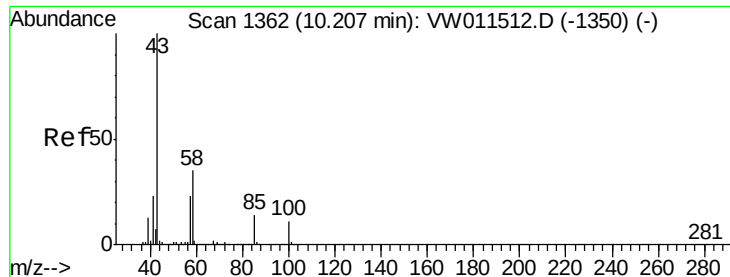
MMDadoda
8/8/2019 9:30:41 AM



#50
Toluene-d8
Concen: 56.541 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	98	Resp	463690
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 252.841 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 516598

Ion Ratio Lower Upper

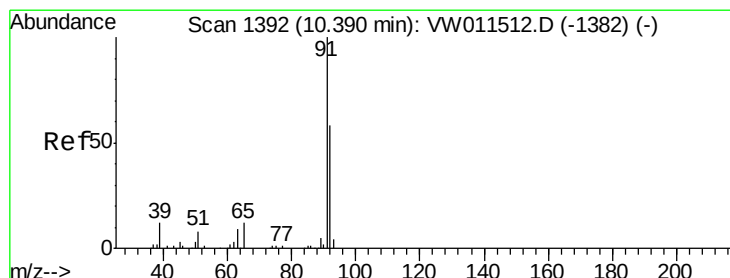
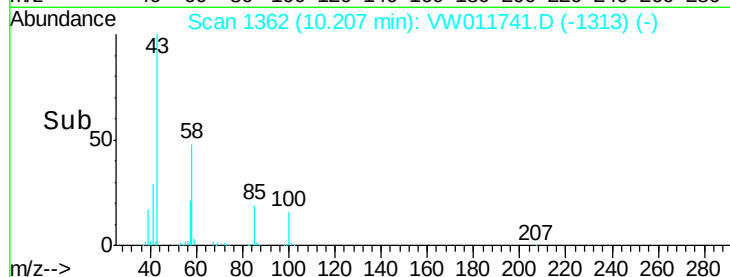
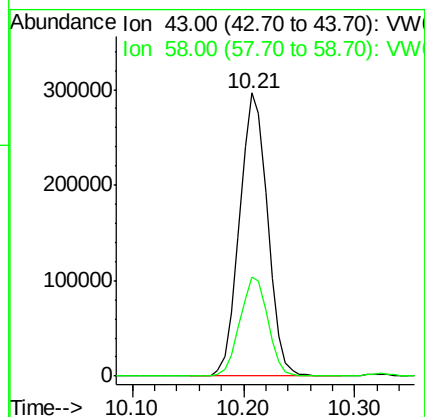
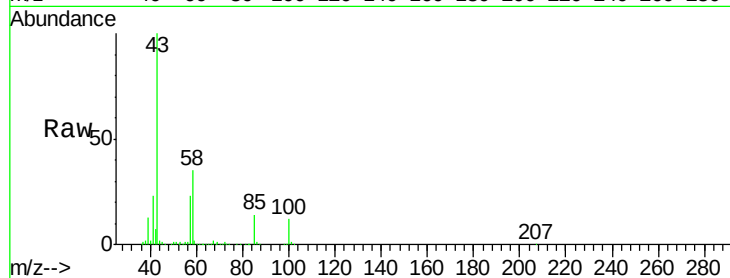
43 100

58 34.9 28.2 42.2

Manual Integrations
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#52

Toluene

Concen: 52.555 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011741.D

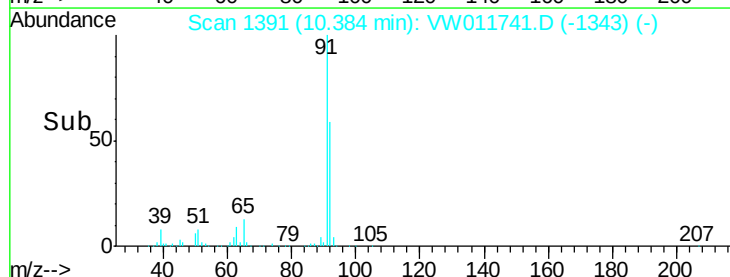
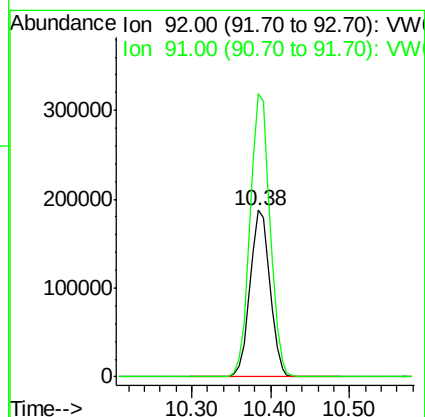
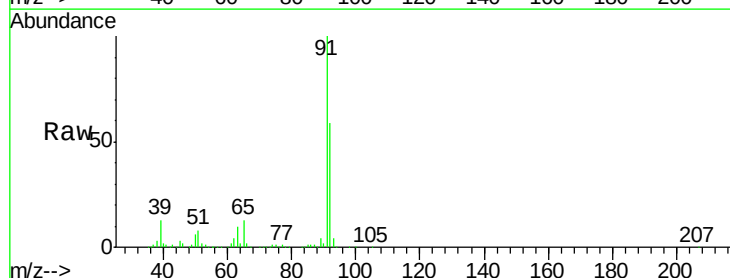
Acq: 07 Aug 2019 10:34

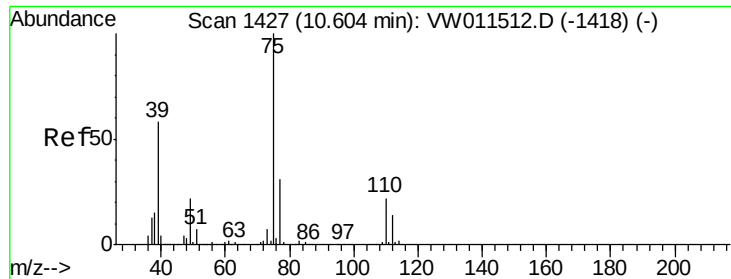
Tgt Ion: 92 Resp: 330036

Ion Ratio Lower Upper

92 100

91 170.2 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 52.079 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 181223

Ion Ratio Lower Upper

75 100

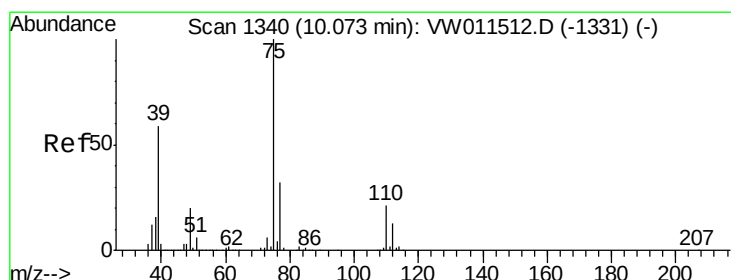
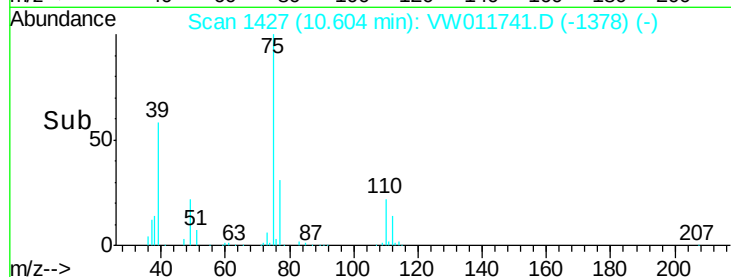
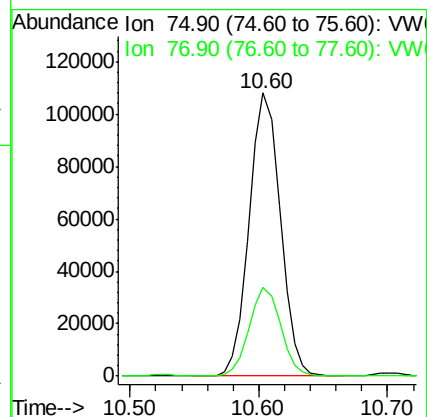
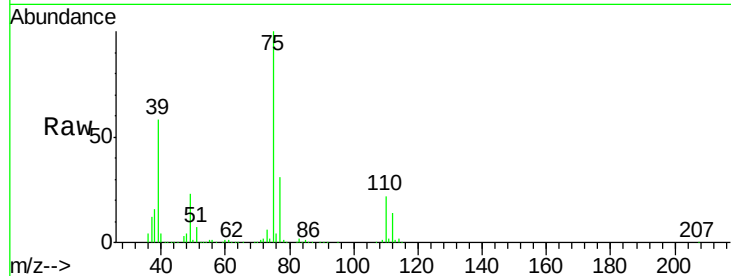
77 31.2 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.834 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

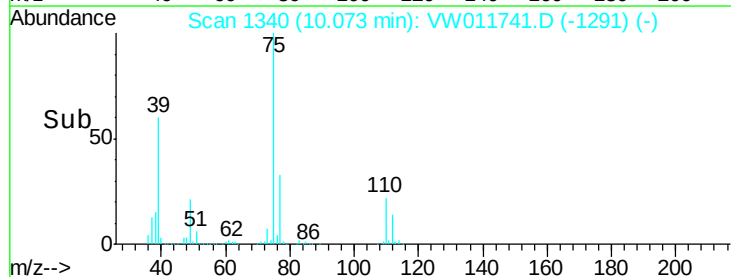
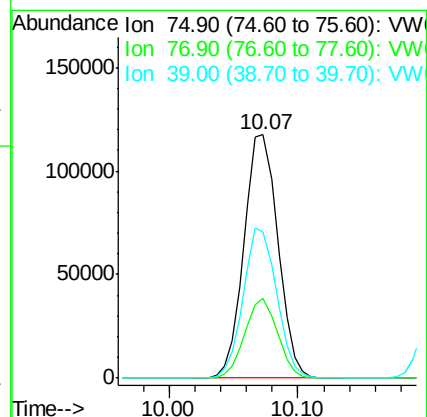
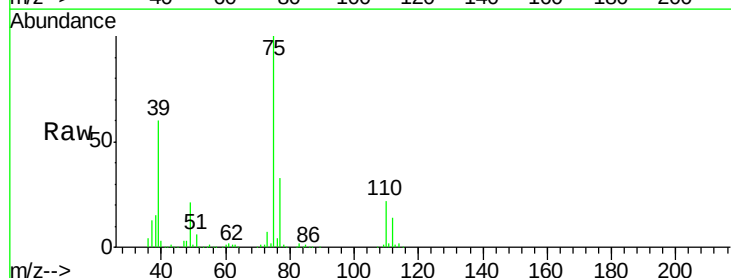
Tgt Ion: 75 Resp: 214463

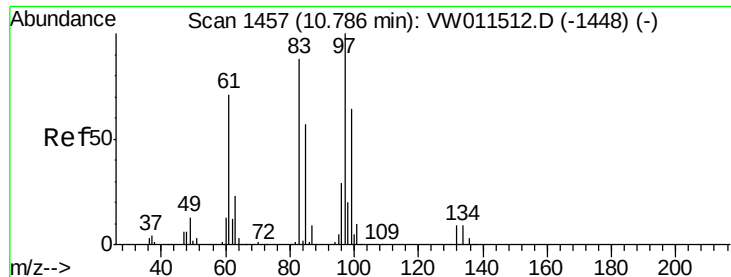
Ion Ratio Lower Upper

75 100

77 32.5 25.6 38.4

39 60.2 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 50.457 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

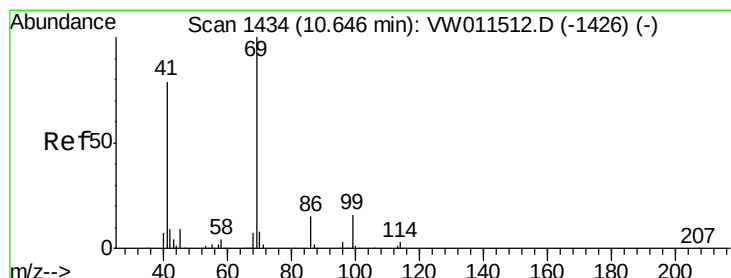
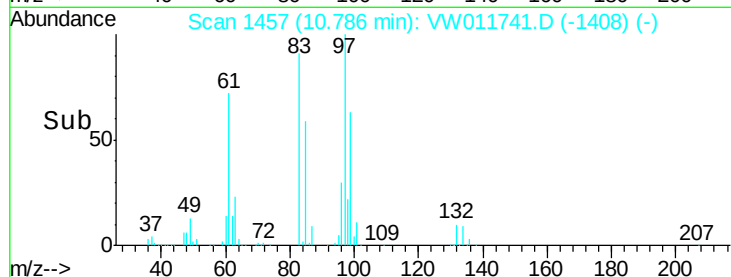
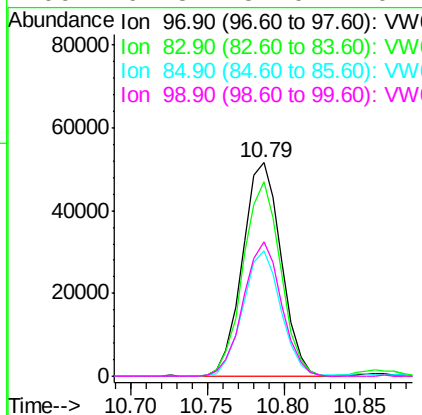
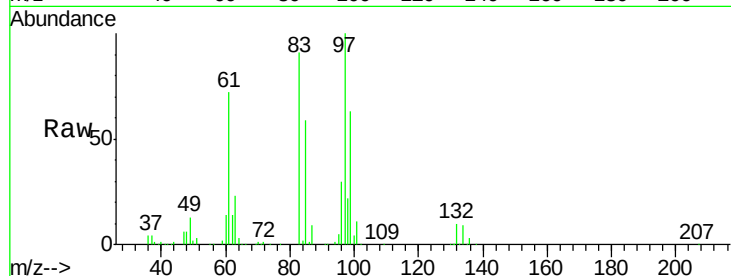
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	90916
Ion	Ratio	Lower	Upper
97	100		
83	90.9	70.5	105.7
85	58.8	45.8	68.6
99	62.8	51.0	76.4

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#56

Ethyl methacrylate

Concen: 51.900 ug/l

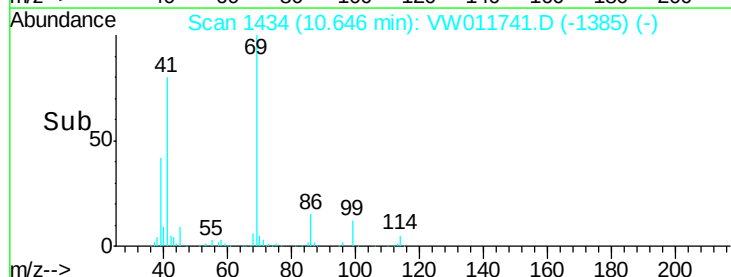
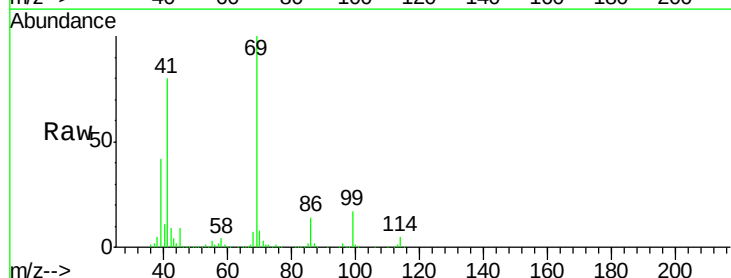
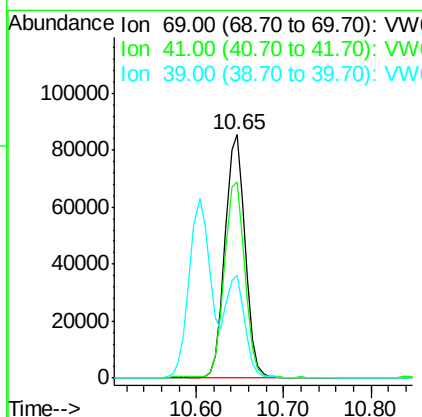
RT: 10.65 min Scan# 1434

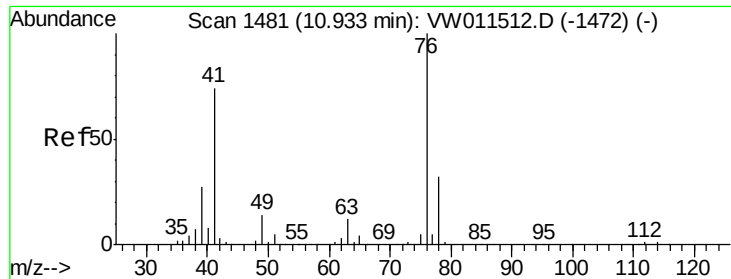
Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion:	69	Resp:	136844
Ion	Ratio	Lower	Upper
69	100		
41	80.4	66.6	99.8
39	38.2	30.3	45.5





#57

1,3-Dichloropropane

Concen: 50.432 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 171919

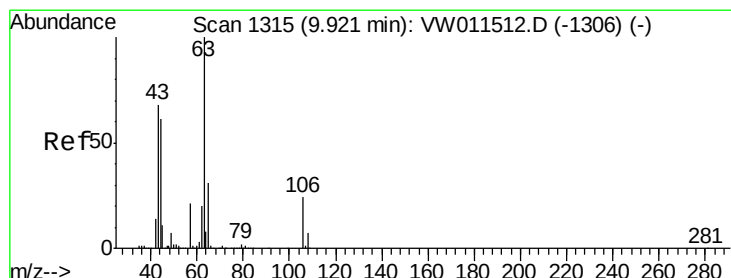
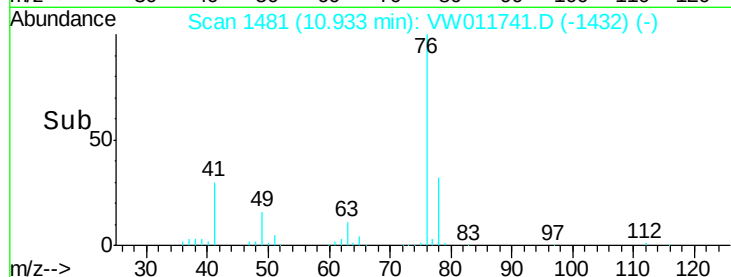
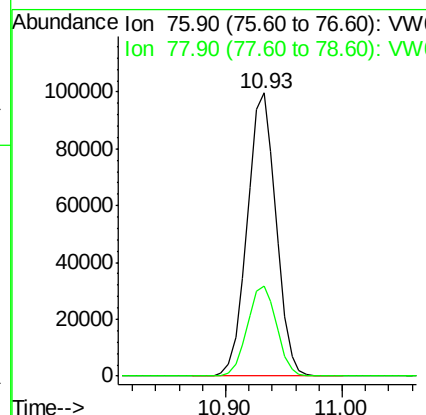
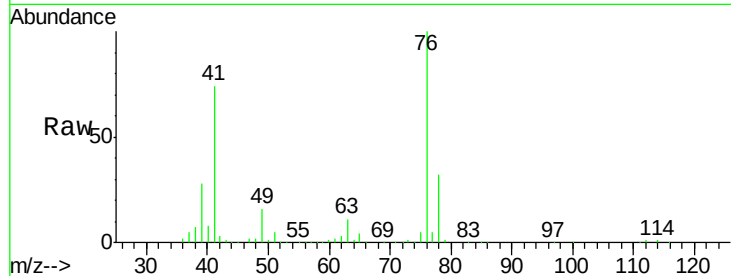
Ion Ratio Lower Upper

76 100

78 32.5 25.2 37.8

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8/8/2019 9:30:41 AM



#58

2-Chloroethyl Vinyl ether

Concen: 317.976 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011741.D

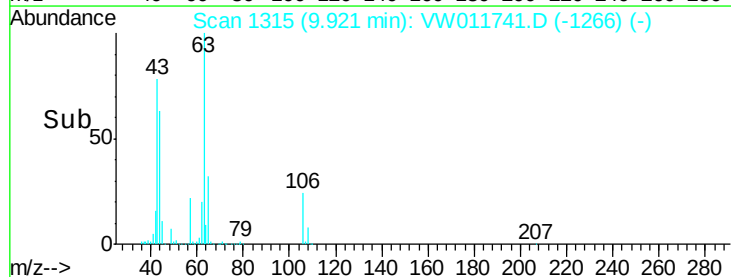
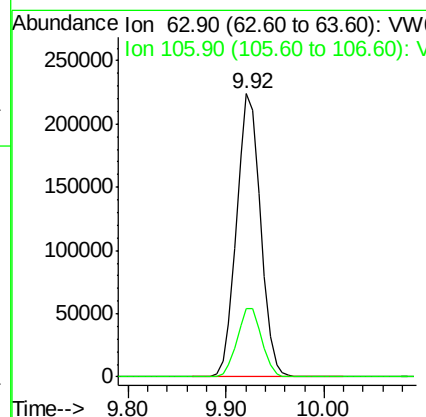
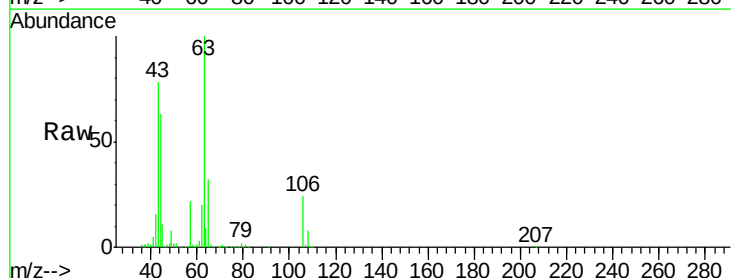
Acq: 07 Aug 2019 10:34

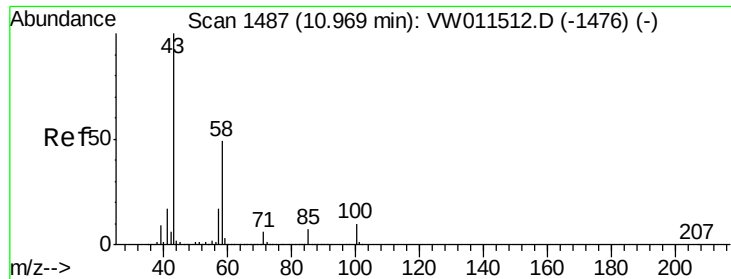
Tgt Ion: 63 Resp: 380667

Ion Ratio Lower Upper

63 100

106 24.9 19.7 29.5





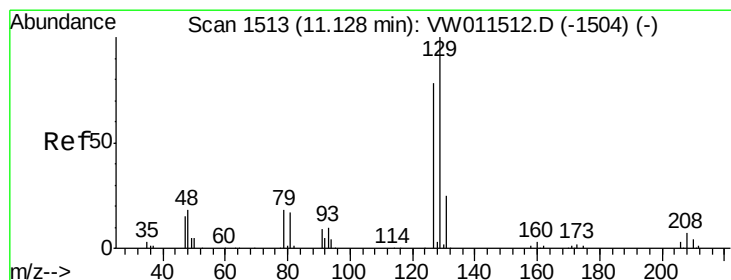
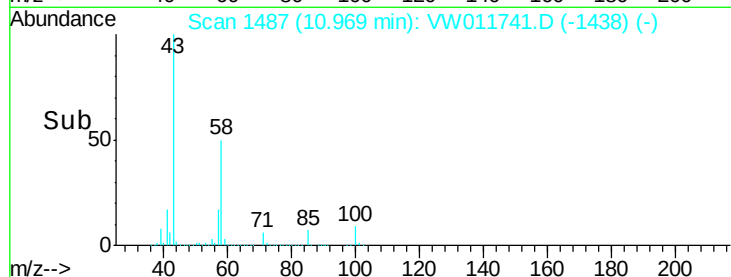
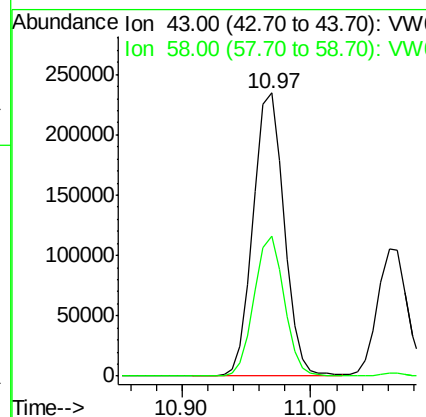
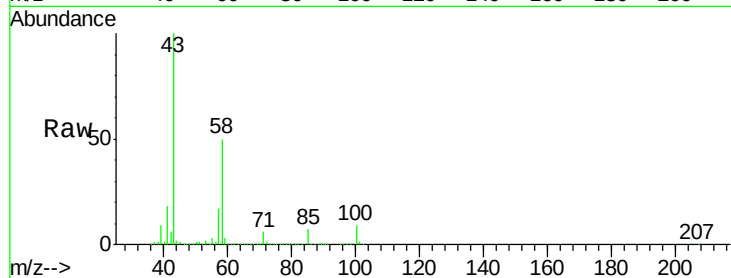
#59
2-Hexanone
Concen: 269.540 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	388842
Ion Ratio	100	Lower	Upper
43	100		
58	48.1	24.3	72.9

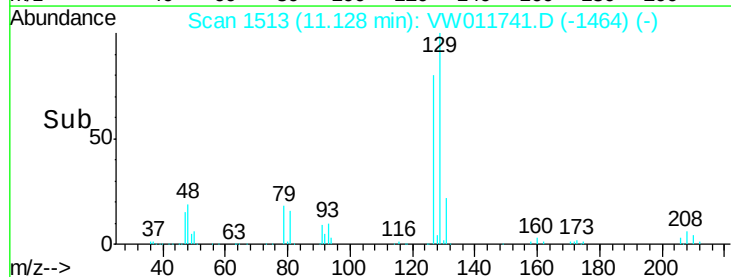
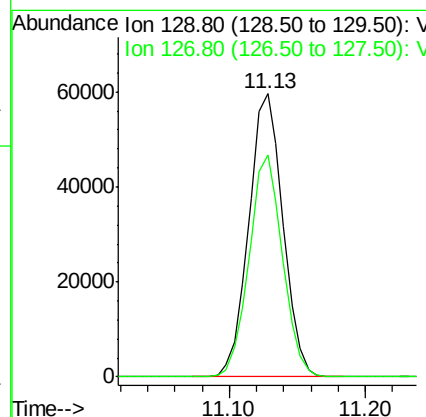
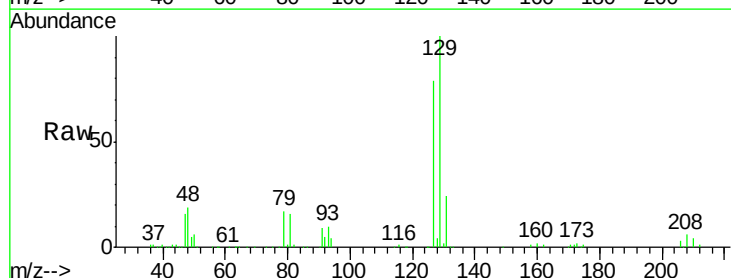
Manual Integrations
APPROVED

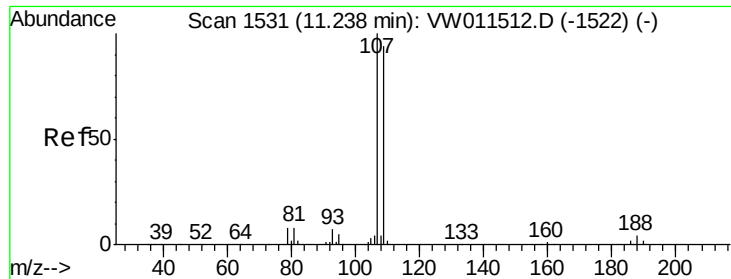
MMDadoda
8/8/2019 9:30:41 AM



#60
Dibromochloromethane
Concen: 52.467 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	129	Resp	104939
Ion Ratio	100	Lower	Upper
129	100		
127	76.5	38.9	116.7





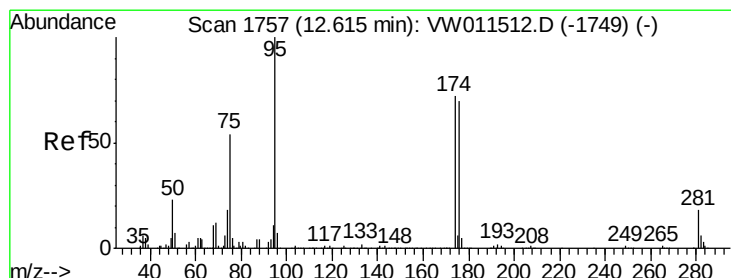
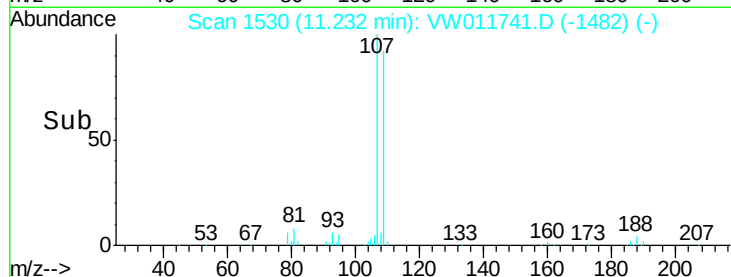
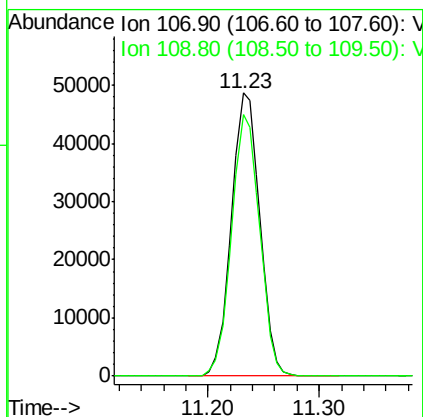
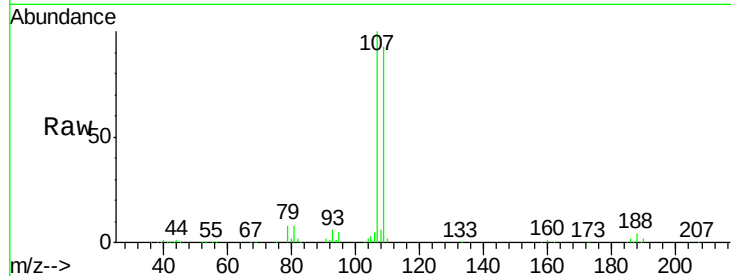
#61
 1,2-Dibromoethane
 Concen: 50.392 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.0	112.6

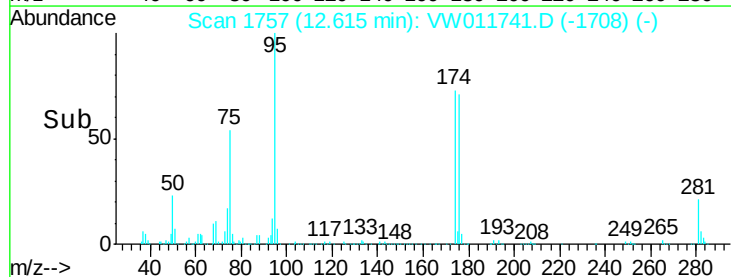
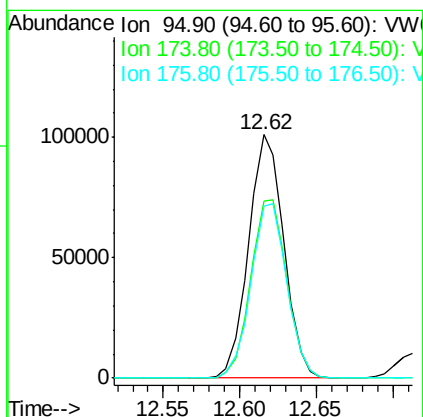
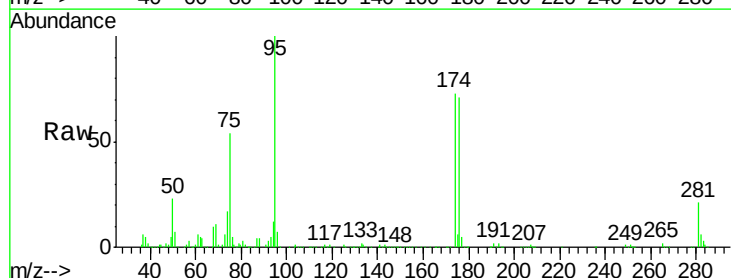
Manual Integrations
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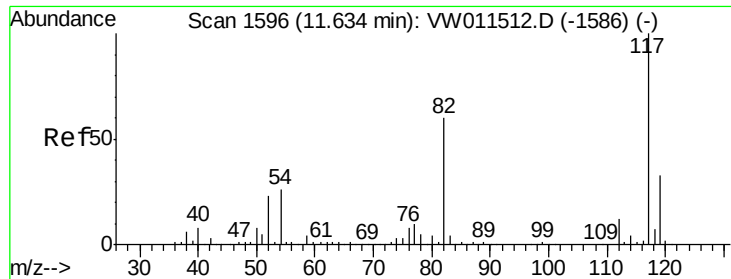
MMDadoda
 8/8/2019 9:30:41 AM



#62
 4-Bromofluorobenzene
 Concen: 55.308 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.2
176	73.3	0.0	144.4





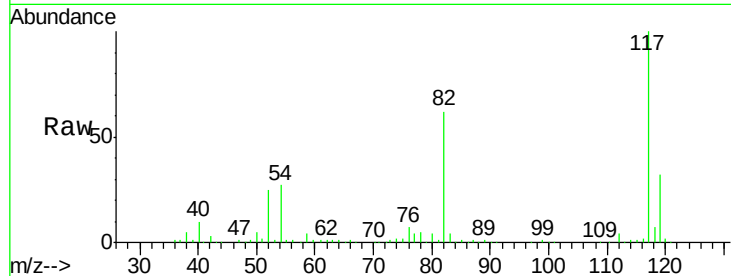
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	309331		
82	62.1	47.9	71.9	
119	32.4	26.2	39.2	

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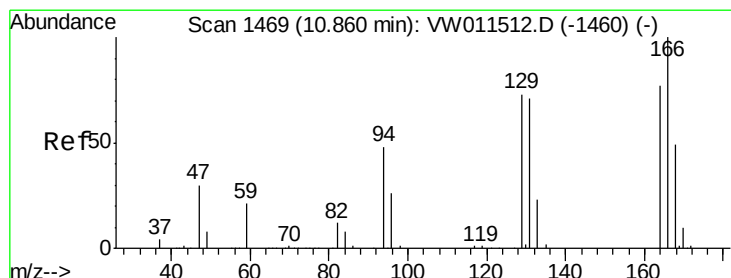
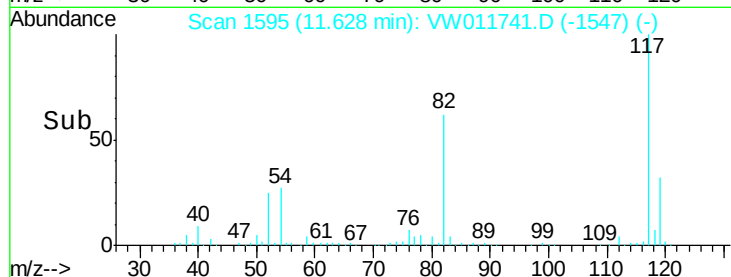
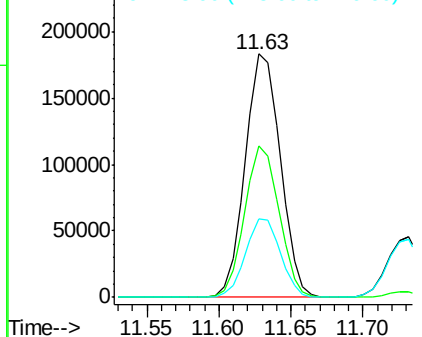


Abundance

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: 53.531 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107815		
166	125.2	103.5	155.3	
129	92.1	75.2	112.8	
131	88.6	73.4	110.2	

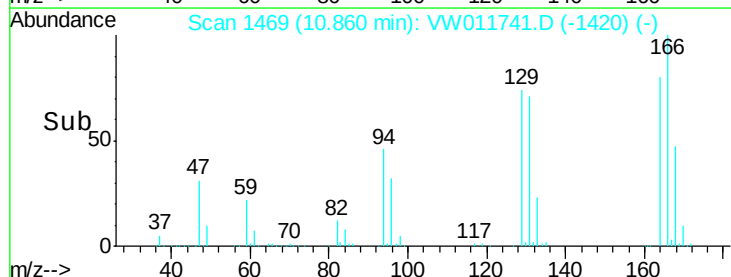
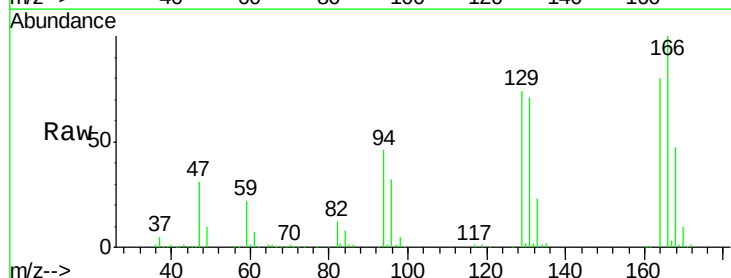
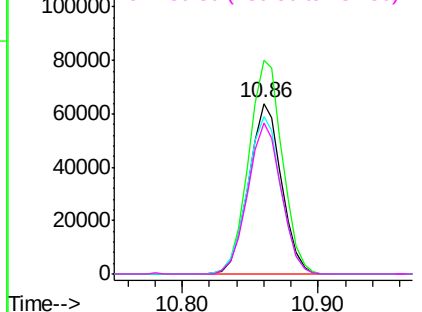
Abundance

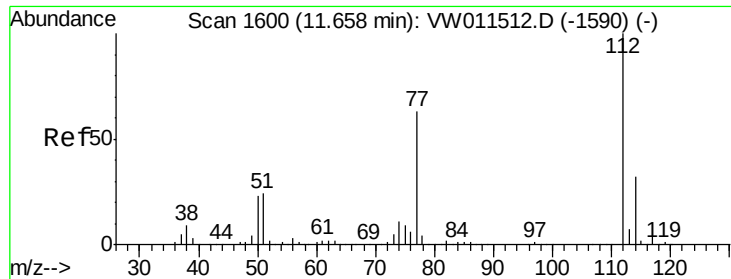
Ion 163.80 (163.50 to 164.50): V

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





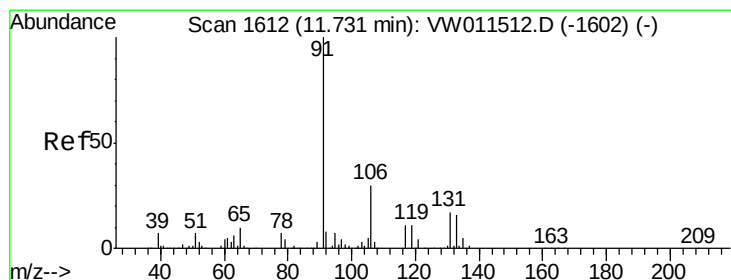
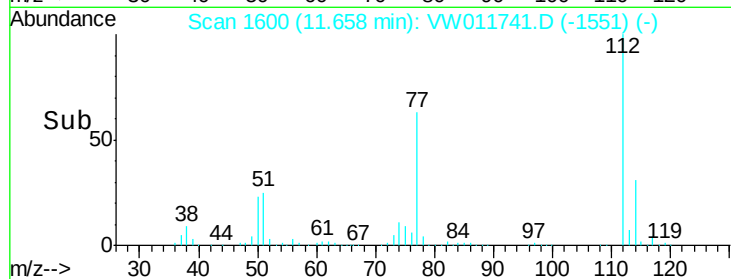
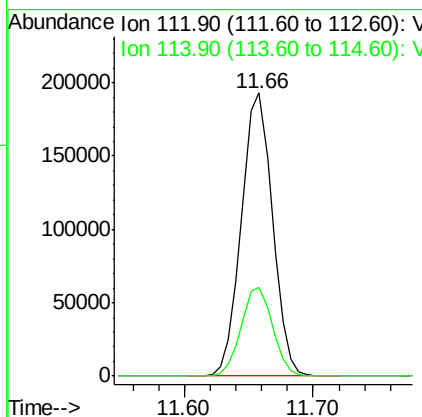
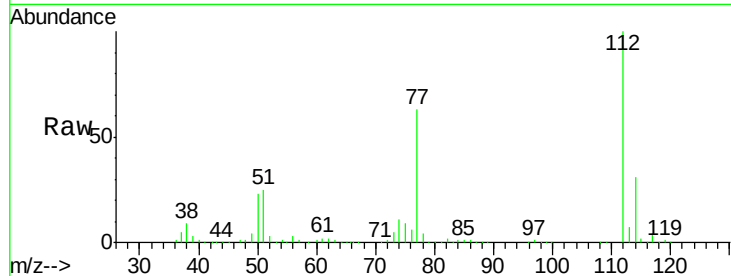
#65
Chlorobenzene
Concen: 51.865 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.6	38.4

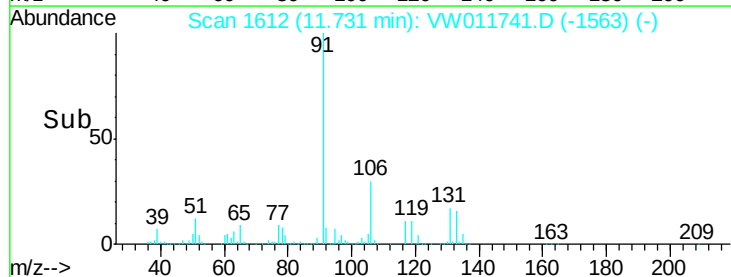
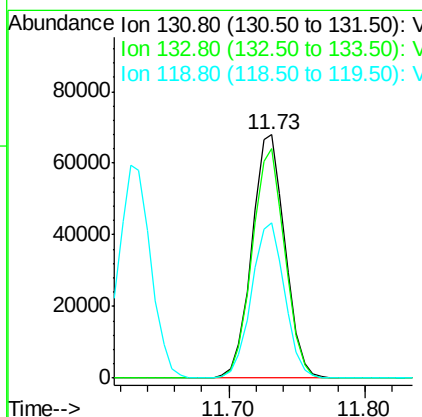
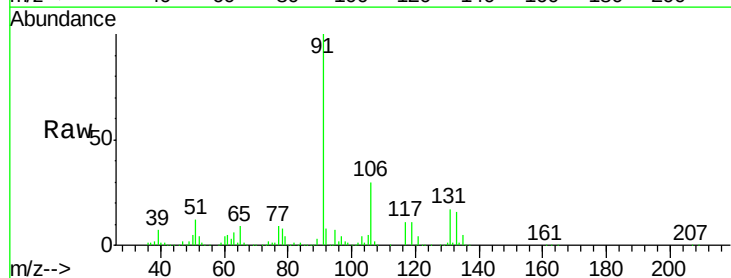
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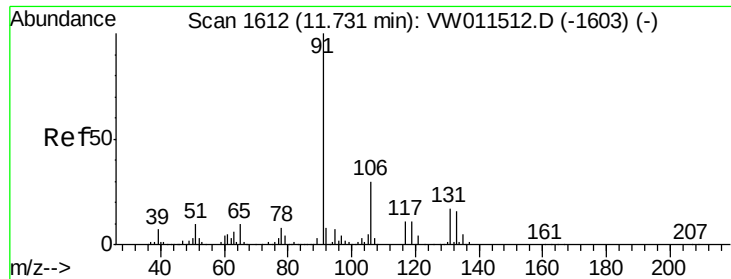
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.650 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.4	142.2
119	63.7	32.3	96.9





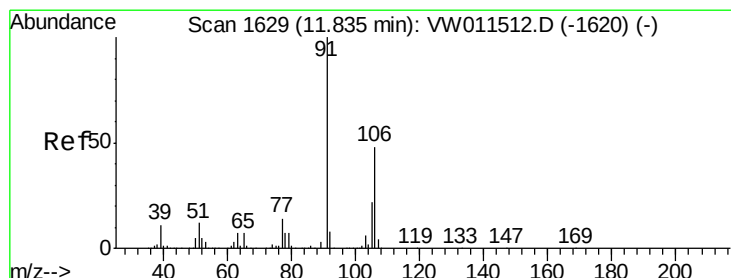
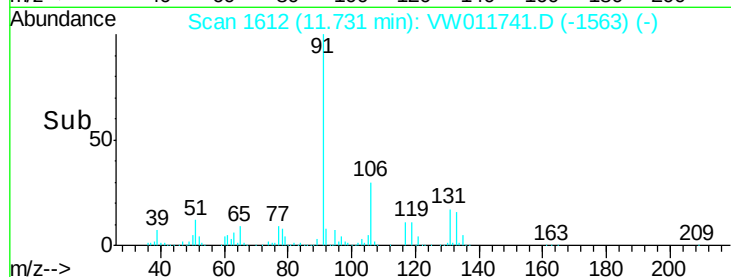
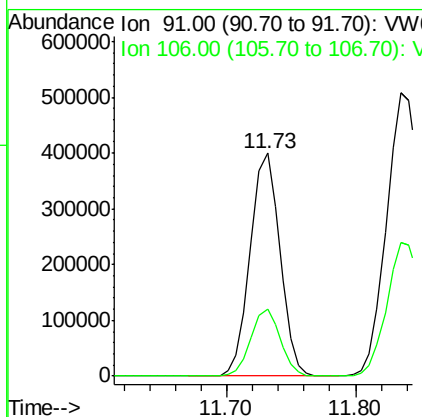
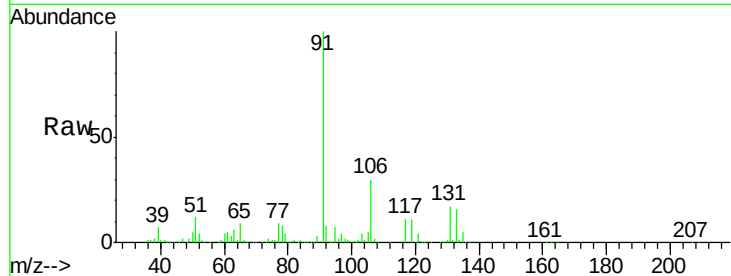
#67
Ethyl Benzene
Concen: 53.789 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.6

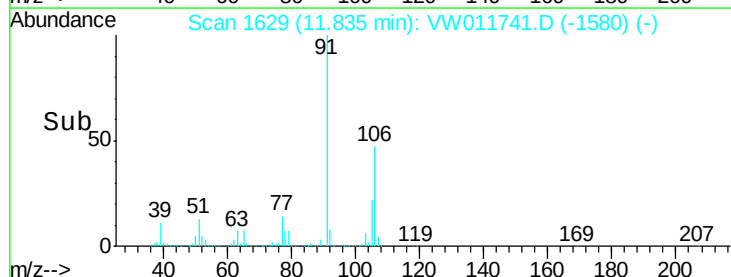
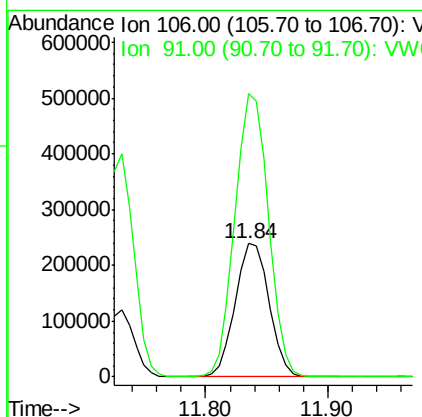
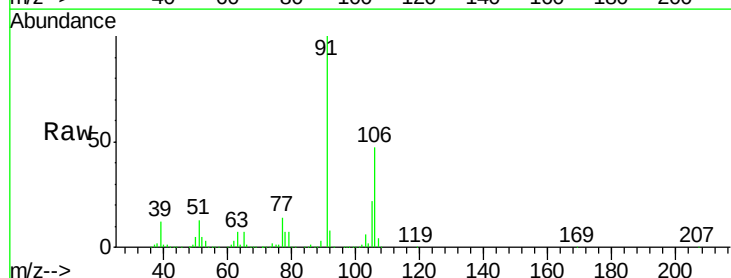
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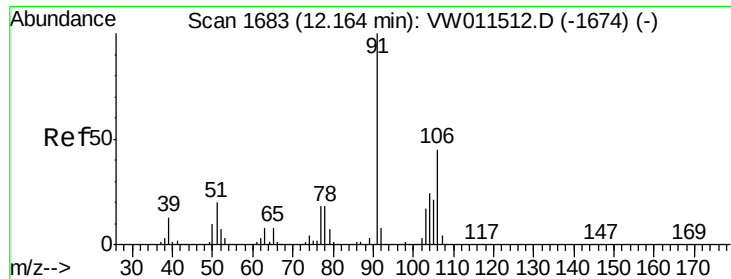
MMDadoda
8/8/2019 9:30:41 AM



#68
m/p-Xylenes
Concen: 106.578 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.8	168.2	252.2





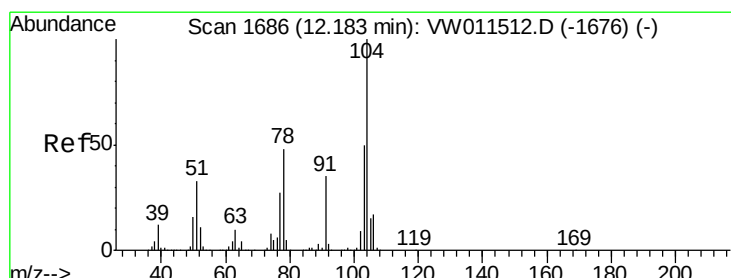
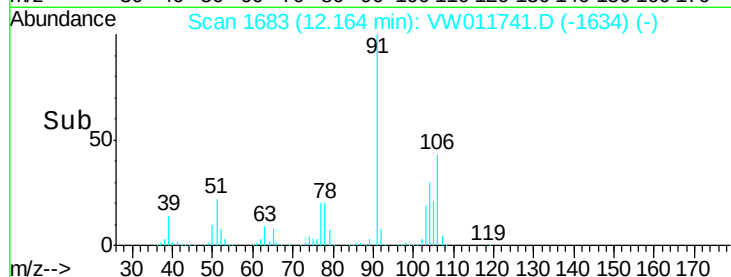
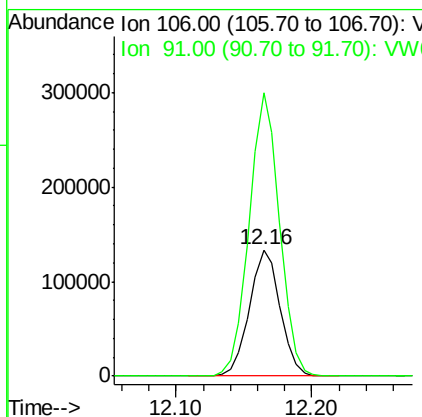
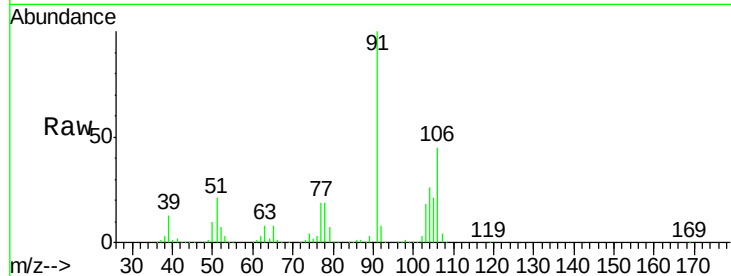
#69
o-Xylene
Concen: 52.857 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
211571	106	100			
	91	221.6	110.5	331.5	

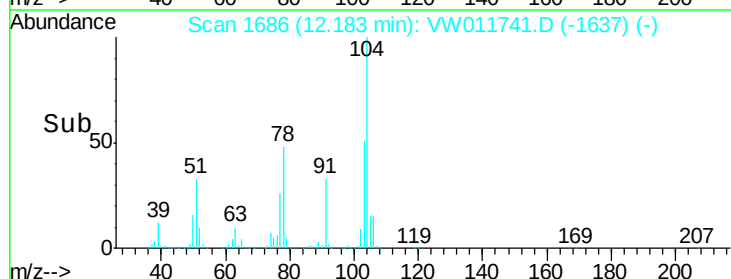
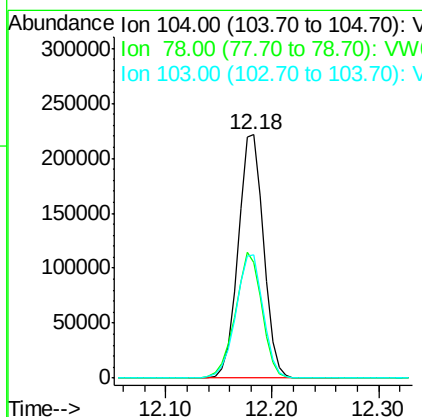
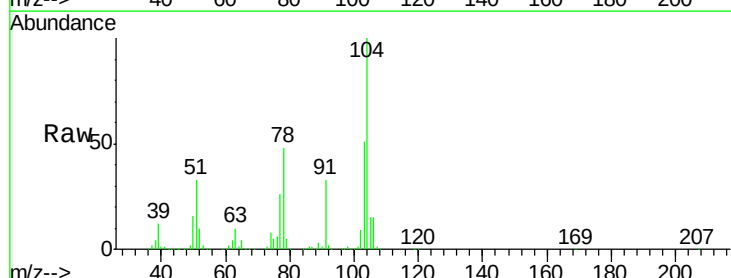
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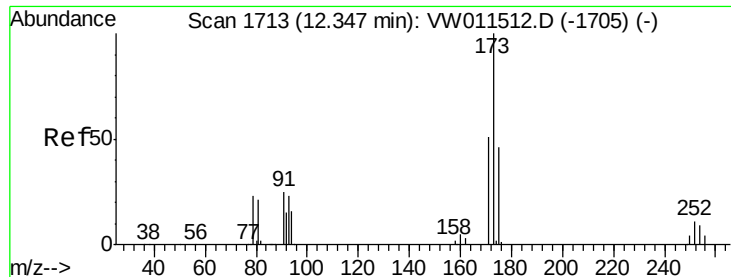
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8/8/2019 9:30:41 AM



#70
Styrene
Concen: 53.439 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
369838	104	100			
	78	54.1	43.4	65.0	
	103	54.5	43.9	65.9	





#71

Bromoform

Concen: 53.954 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

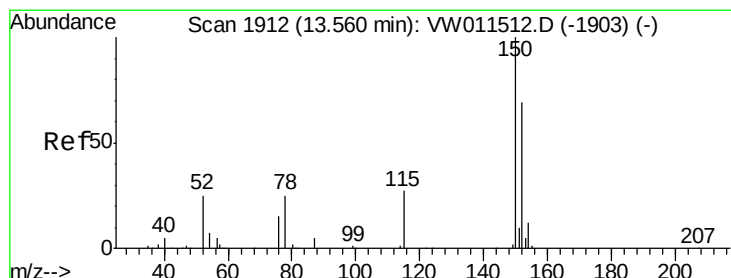
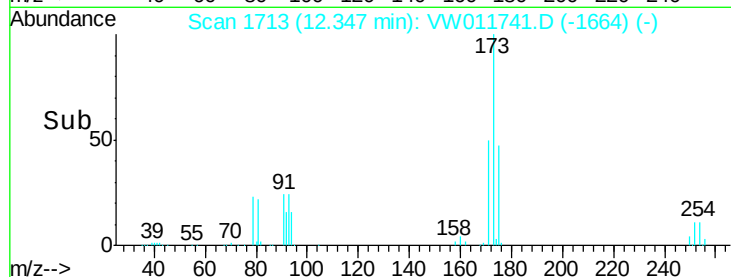
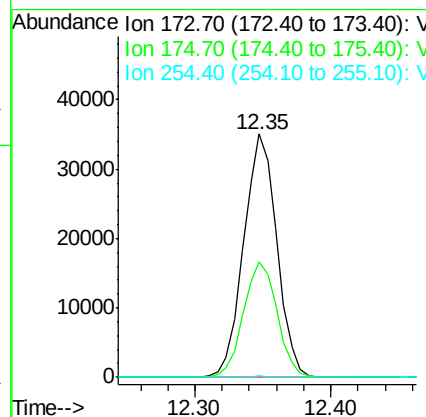
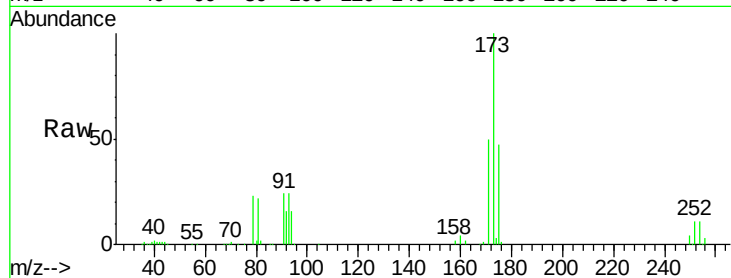
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.6	71.0
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

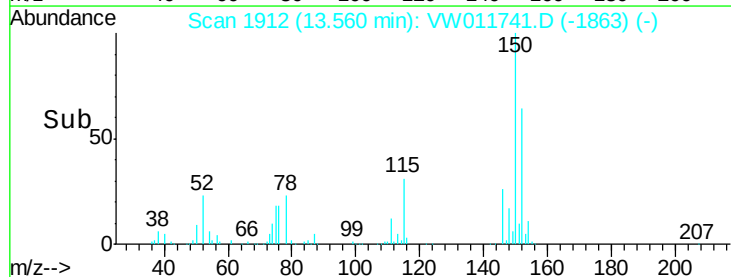
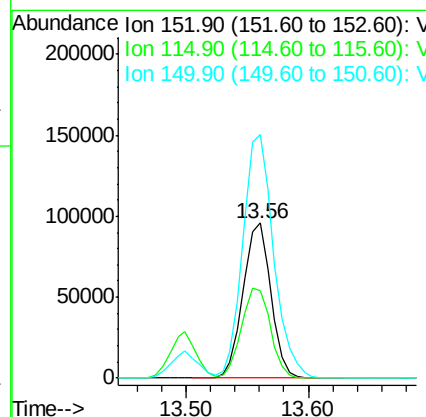
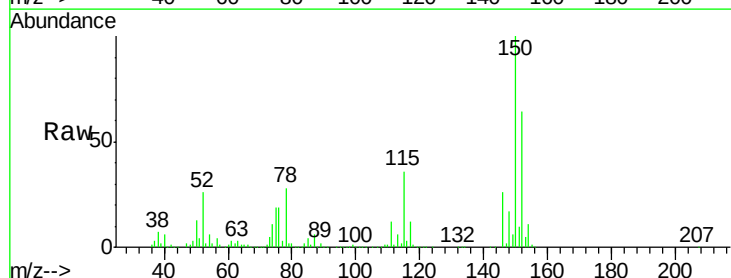
RT: 13.56 min Scan# 1912

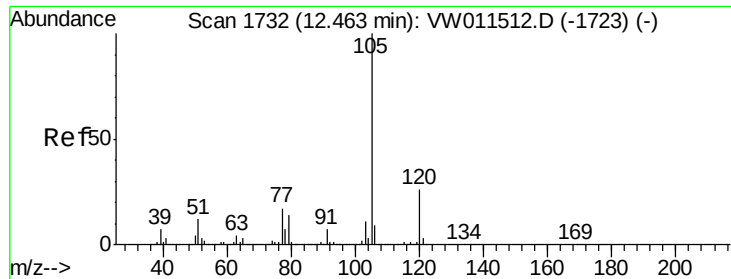
Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.5	91.5
150	174.0	0.0	352.6





#73

Isopropylbenzene

Concen: 53.330 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 600856

Ion Ratio Lower Upper

105 100

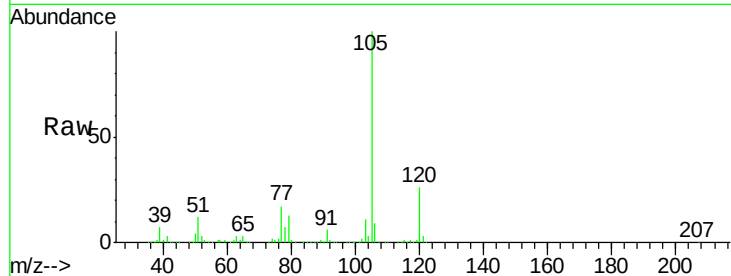
120 25.8 12.9 38.7

Manual Integrations

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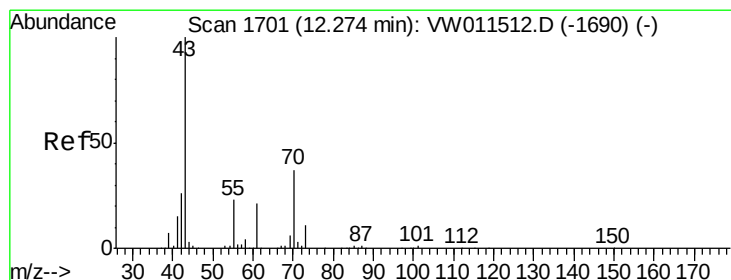
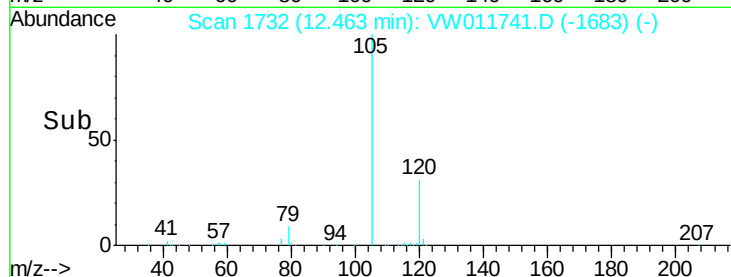
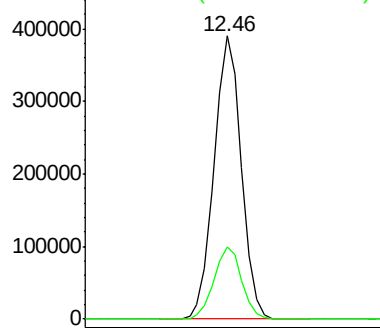
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.143 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion: 43 Resp: 183924

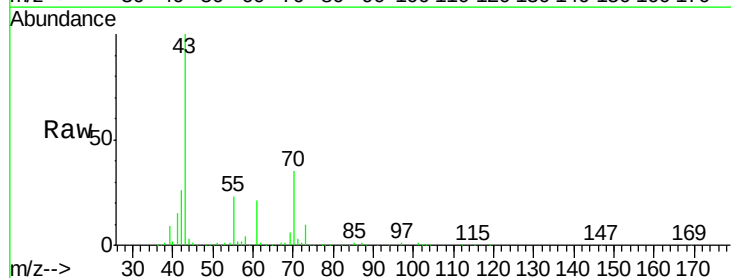
Ion Ratio Lower Upper

43 100

70 36.3 28.6 43.0

55 23.3 17.8 26.8

61 21.4 17.0 25.6

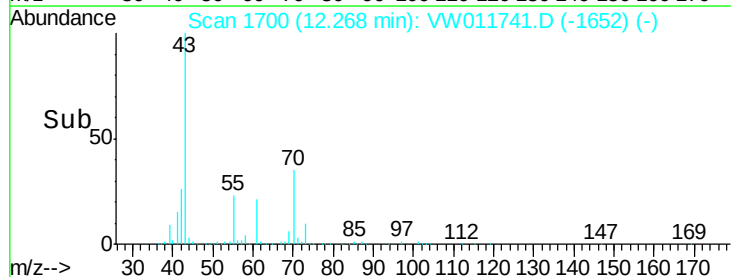
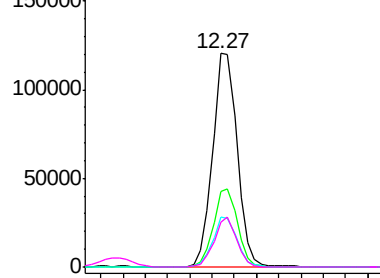


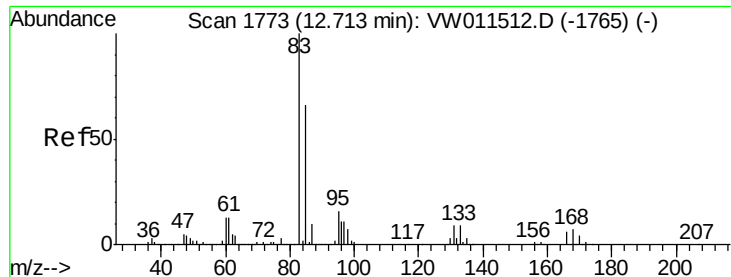
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 51.083 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

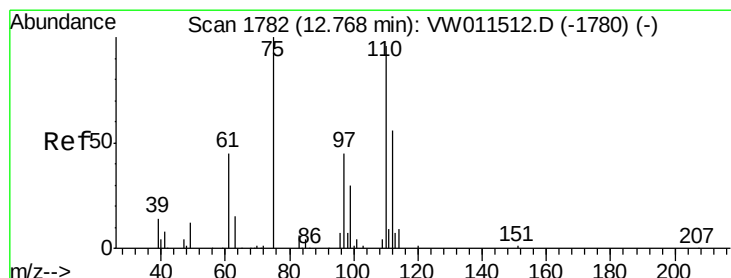
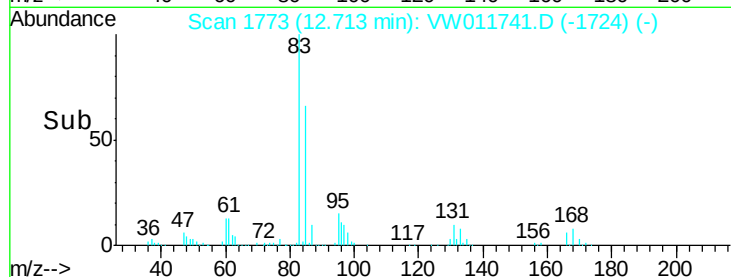
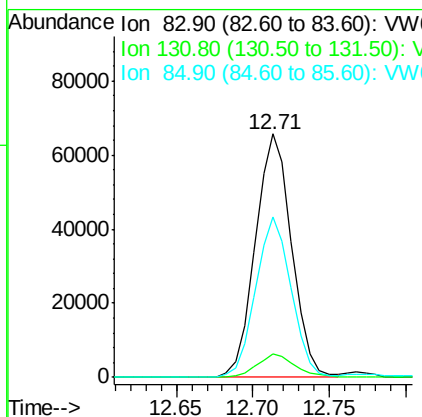
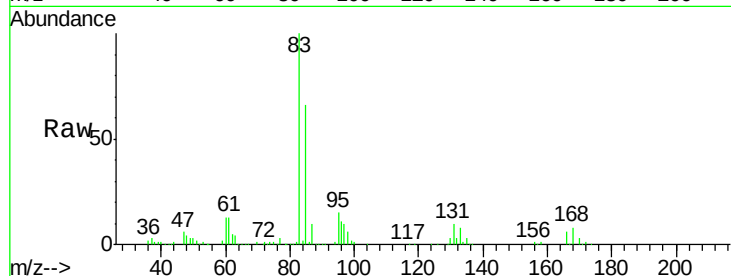
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	108257
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.7	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 56.279 ug/l m

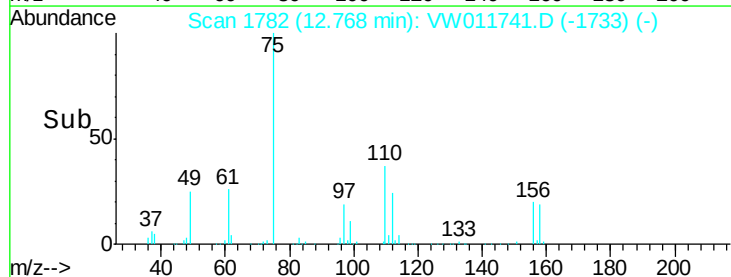
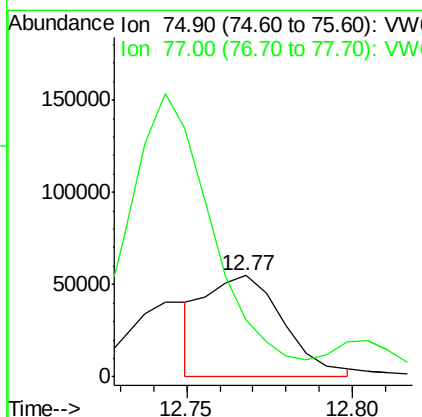
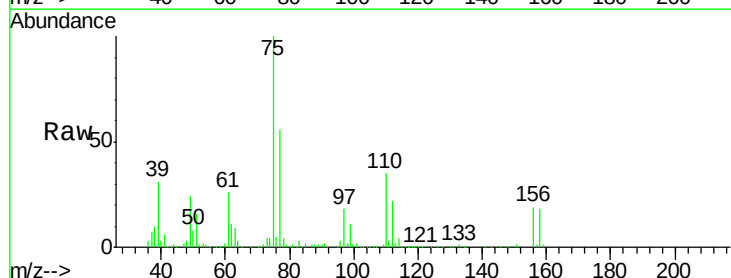
RT: 12.77 min Scan# 1782

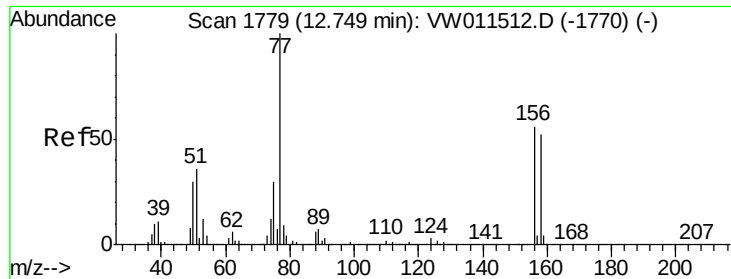
Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion:	75	Resp:	89934
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





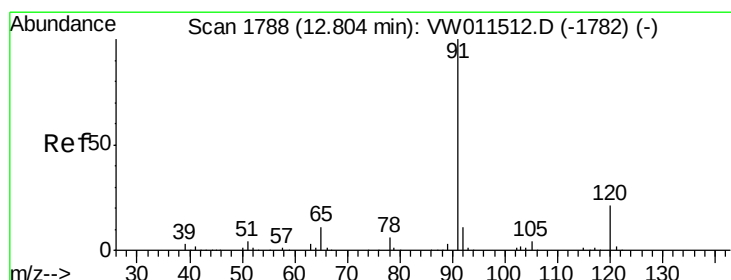
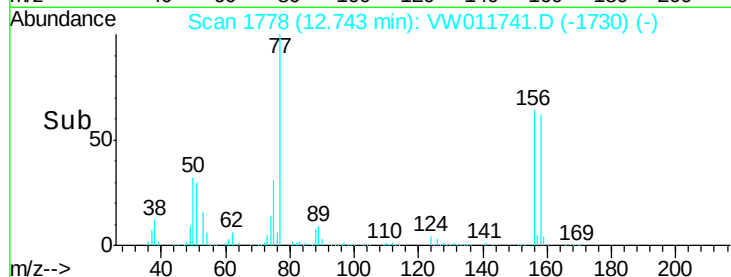
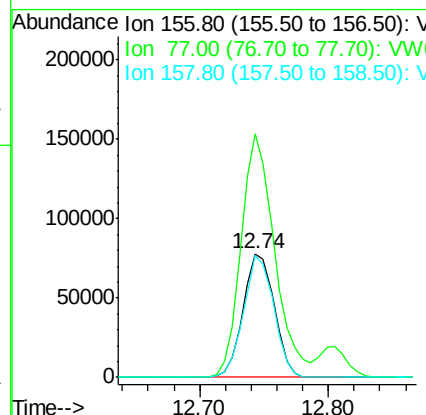
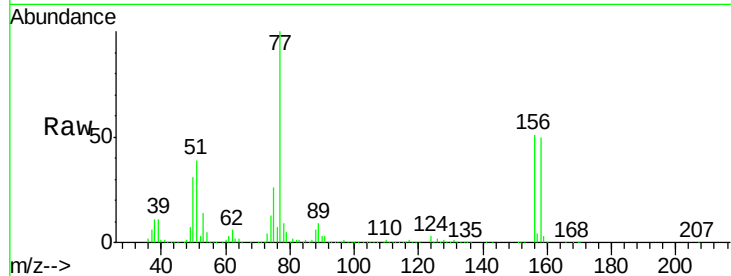
#77
Bromobenzene
Concen: 52.130 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		129818		
77	213.2	106.5	319.4		
158	95.7	48.0	144.2		

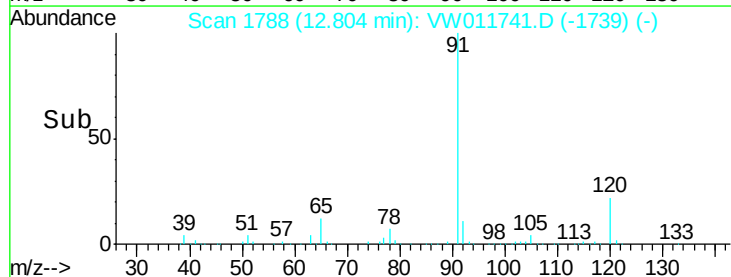
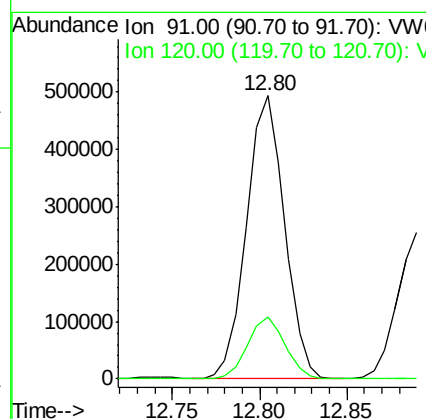
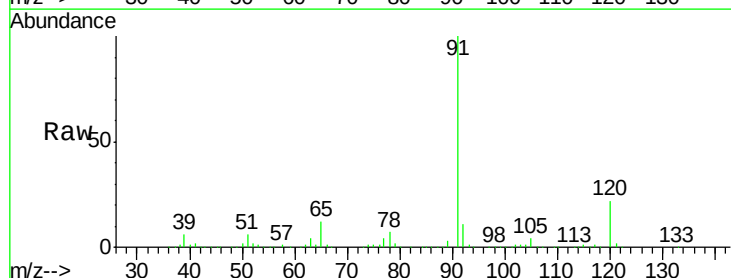
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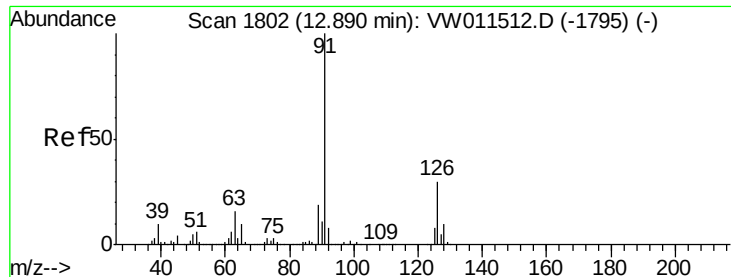
MMDadoda
8/8/2019 9:30:41 AM



#78
n-propylbenzene
Concen: 54.265 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		744060		
120	21.6	10.9	32.7		





#79

2-Chlorotoluene

Concen: 52.313 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 413233

Ion Ratio Lower Upper

91 100

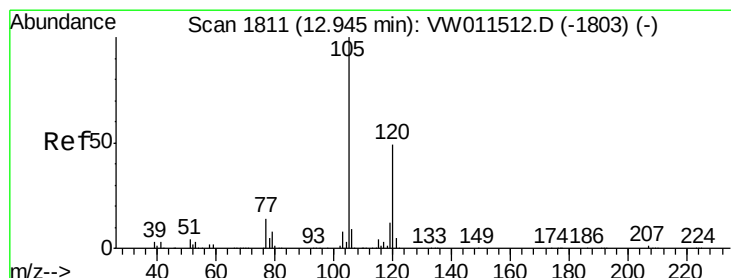
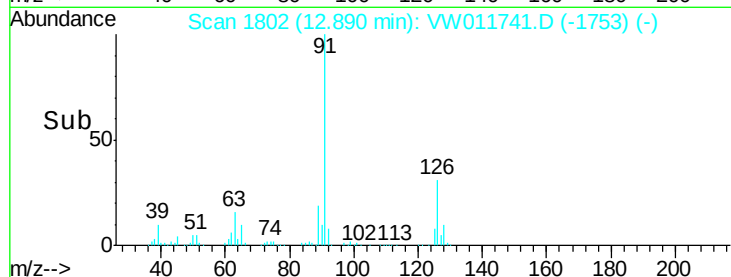
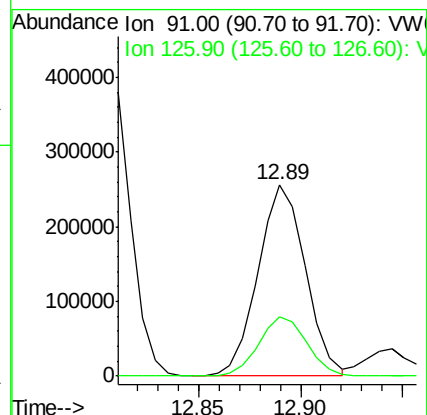
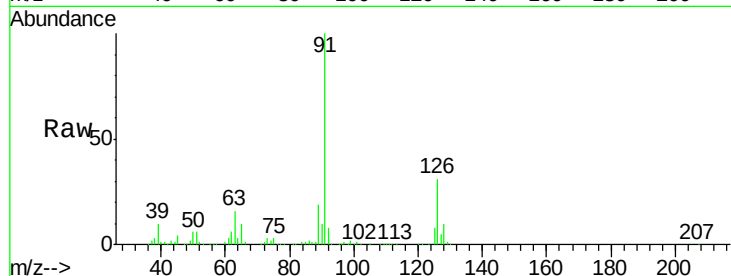
126 31.3 15.7 47.1

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#80

1,3,5-Trimethylbenzene

Concen: 54.127 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011741.D

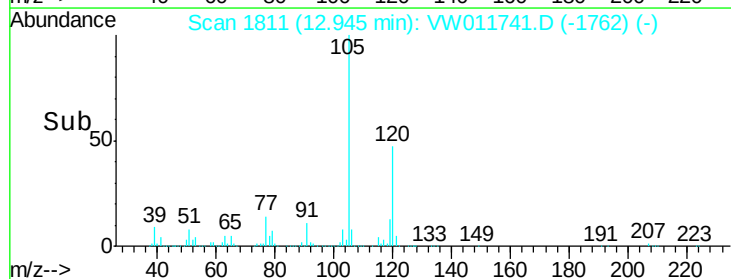
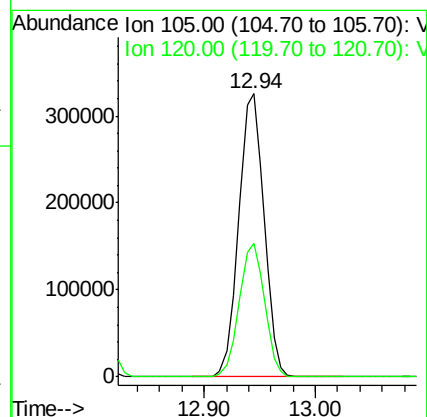
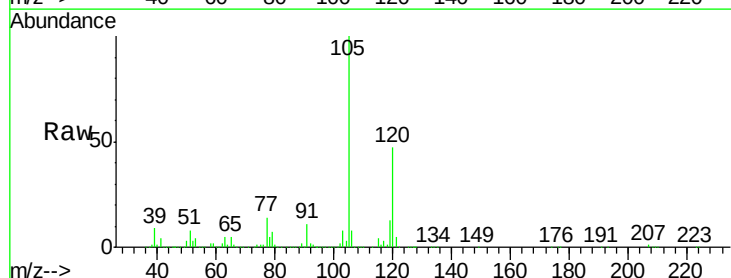
Acq: 07 Aug 2019 10:34

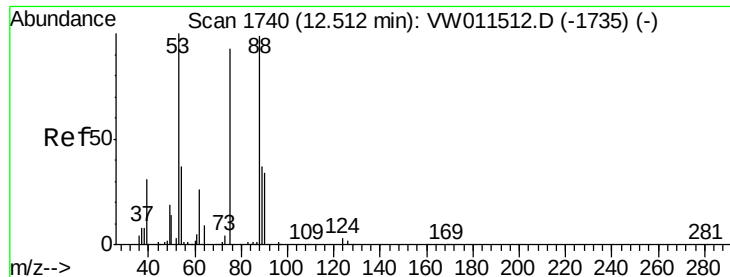
Tgt Ion: 105 Resp: 511188

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.3





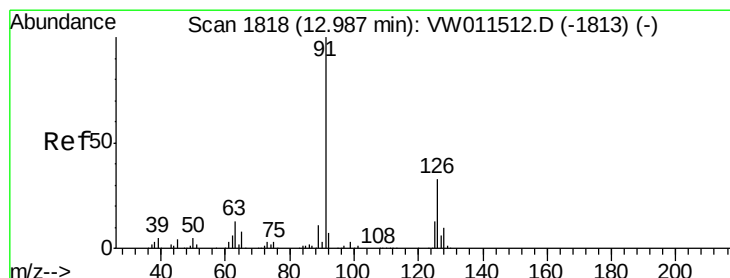
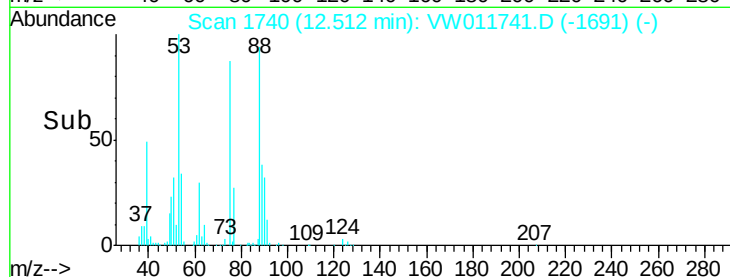
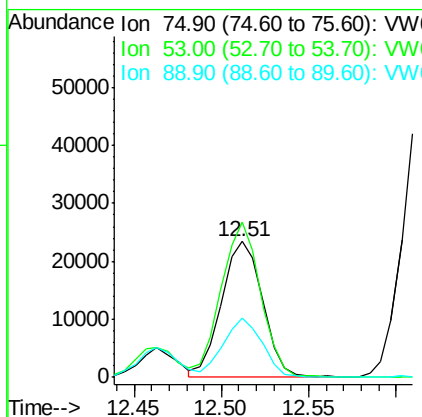
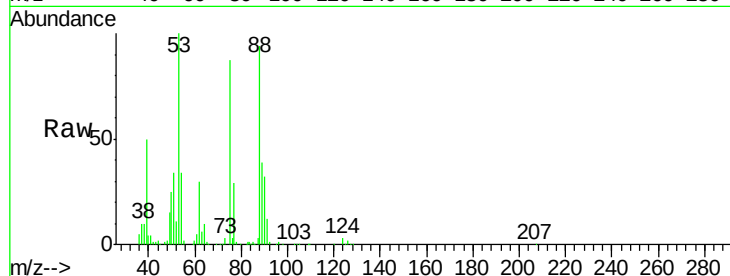
#81
trans-1,4-Dichloro-2-butene
Concen: 54.537 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.0	132.0
89	42.0	35.3	52.9

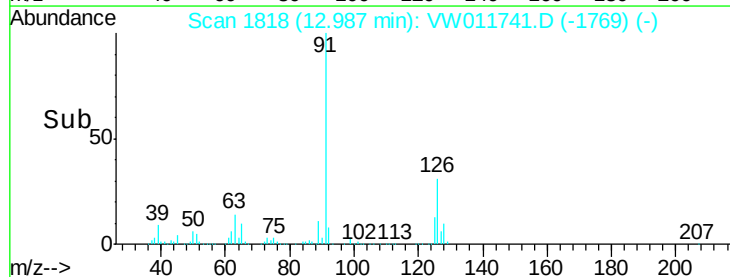
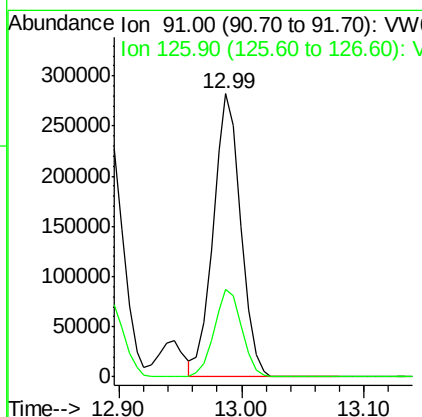
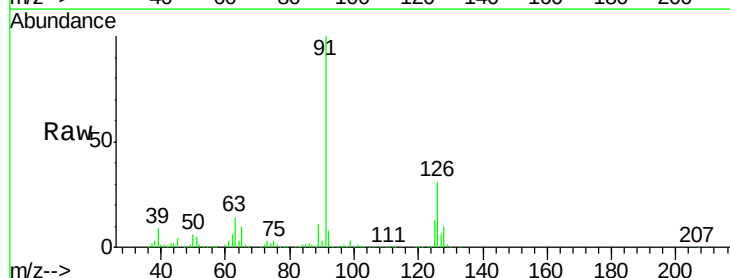
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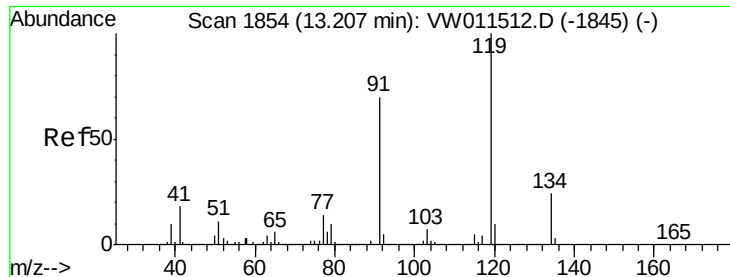
MMDadoda
8/8/2019 9:30:41 AM



#82
4-Chlorotoluene
Concen: 53.016 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





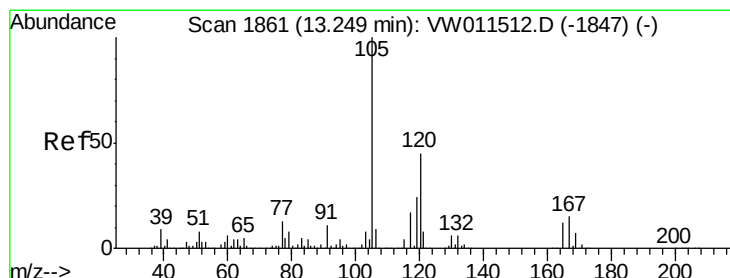
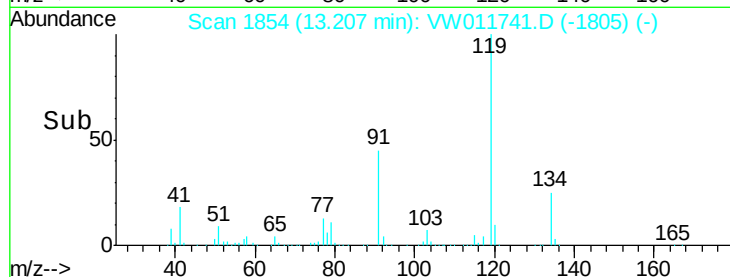
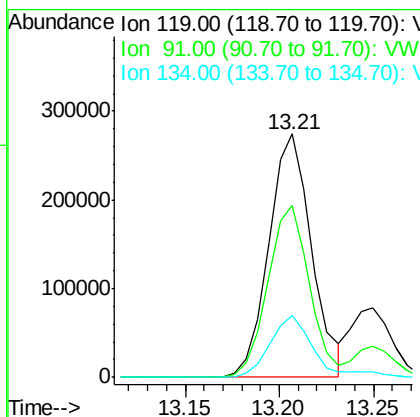
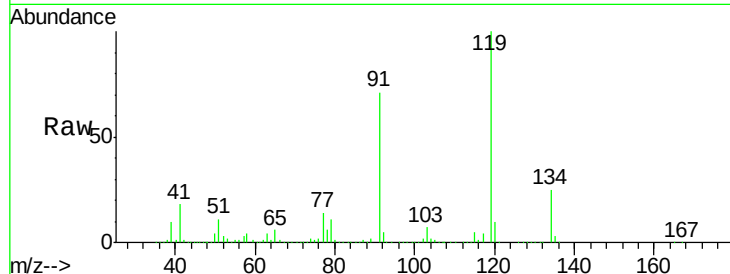
#83
 tert-Butylbenzene
 Concen: 54.720 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.5	103.6
134	26.3	12.4	37.4

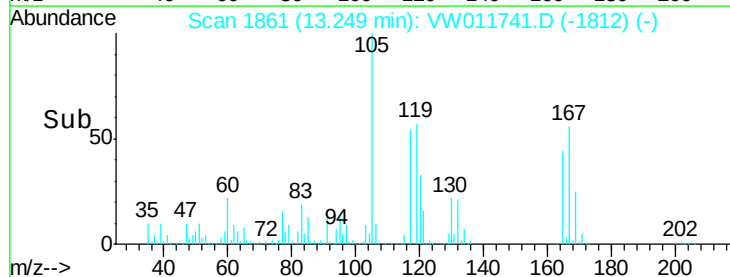
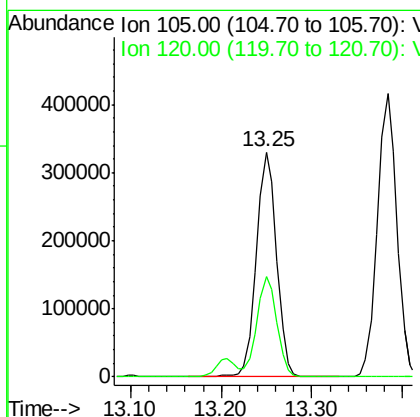
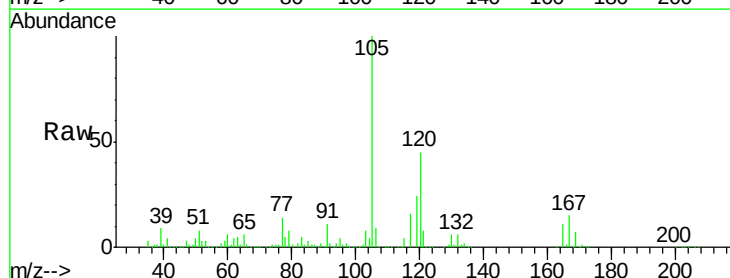
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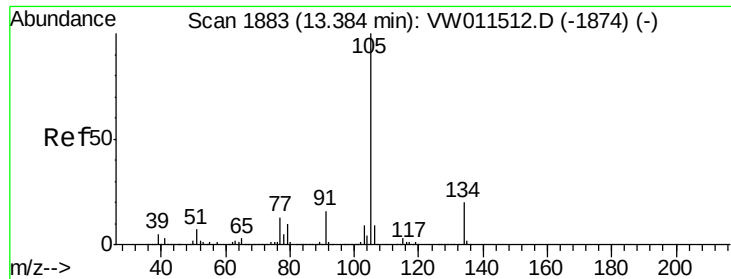
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.462 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 55.034 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 620177

Ion Ratio Lower Upper

105 100

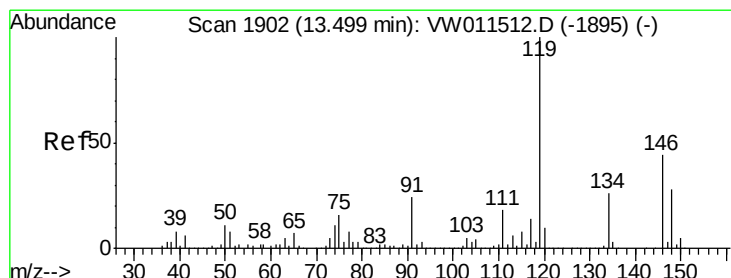
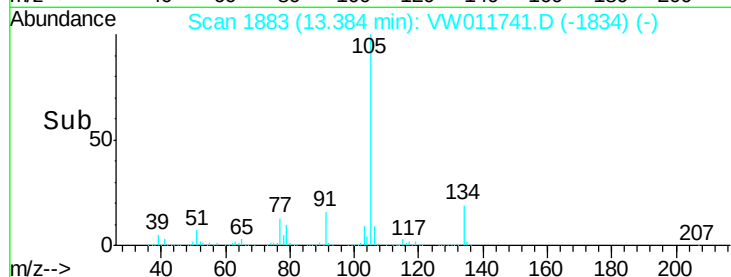
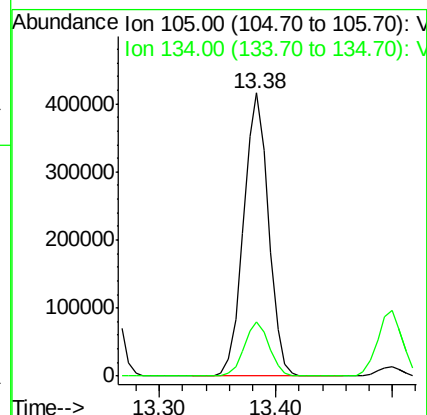
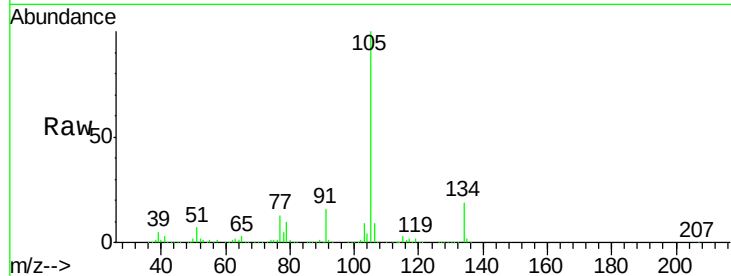
134 19.4 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 54.652 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

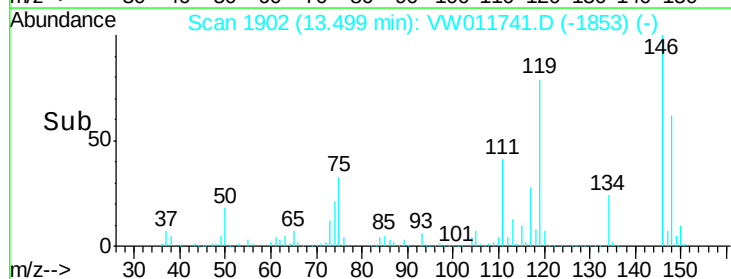
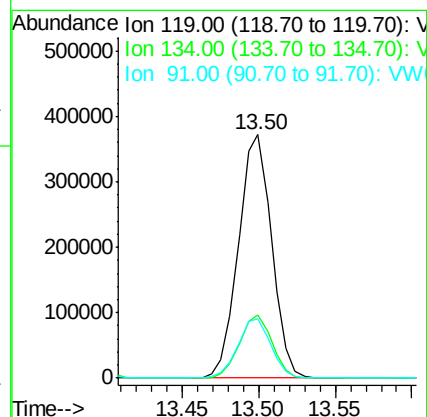
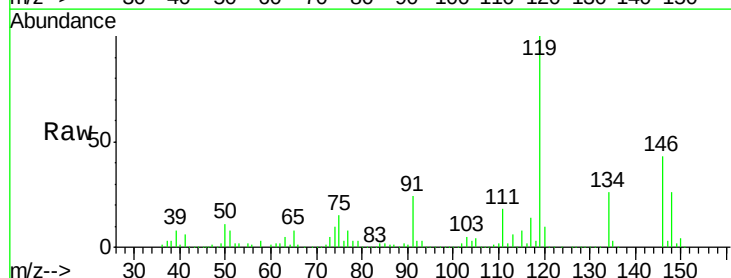
Tgt Ion:119 Resp: 558797

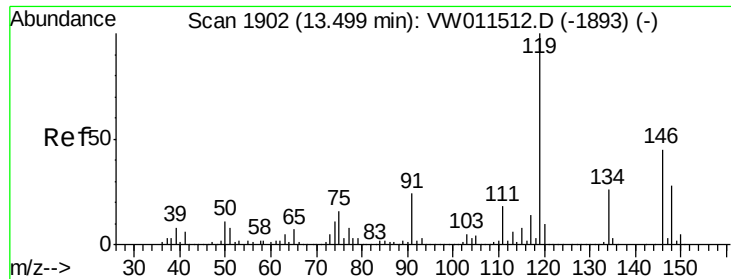
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.3 12.1 36.3





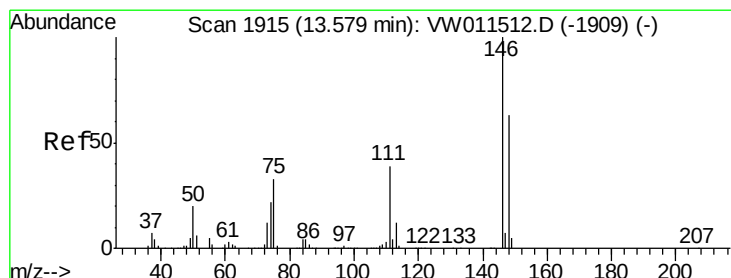
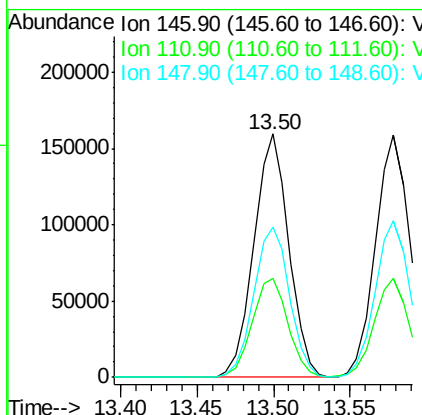
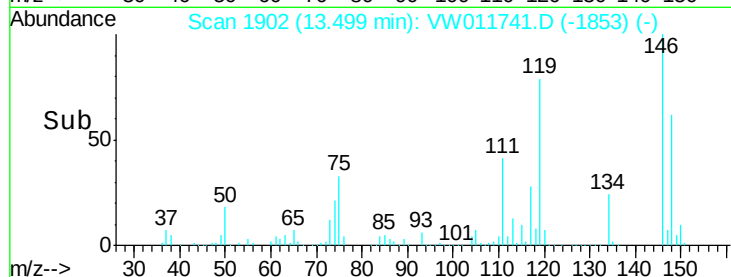
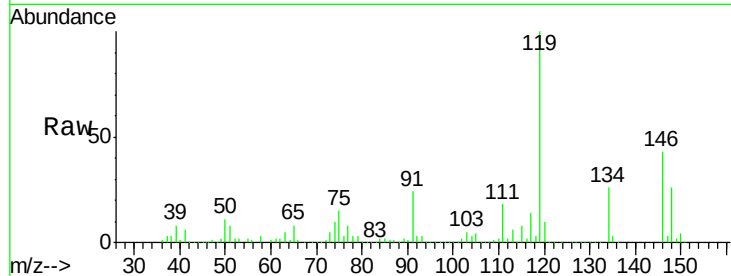
#87
 1,3-Dichlorobenzene
 Concen: 51.907 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	253455		
111	41.6	20.5	61.6	
148	63.3	31.8	95.3	

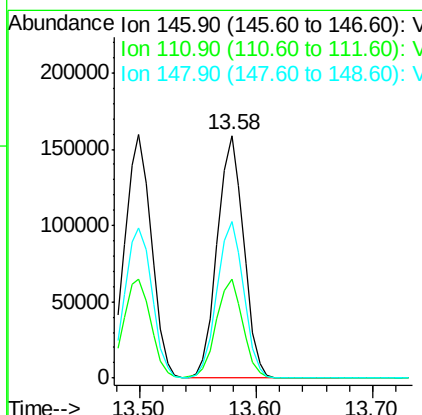
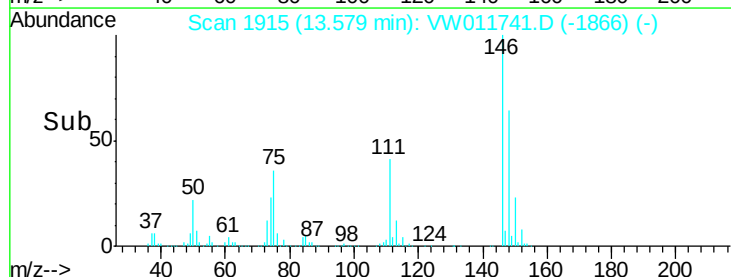
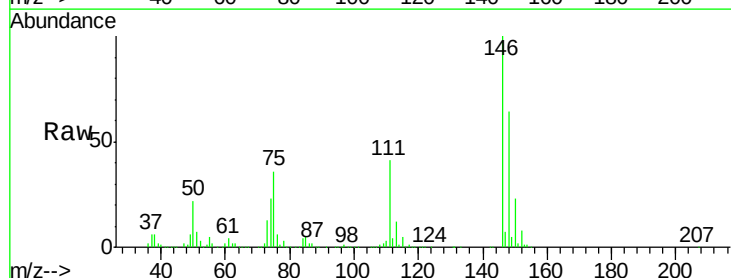
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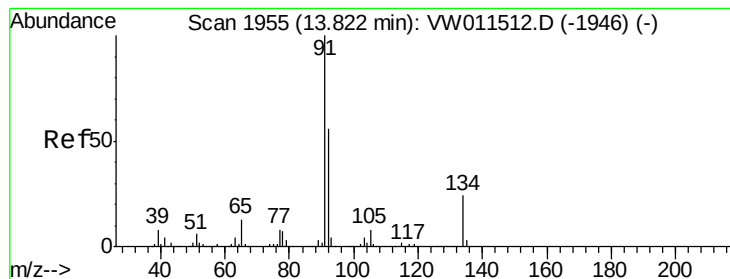
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#88
 1,4-Dichlorobenzene
 Concen: 51.250 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	248938		
111	40.7	20.1	60.2	
148	65.2	31.9	95.9	





#89

n-Butylbenzene

Concen: 55.436 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

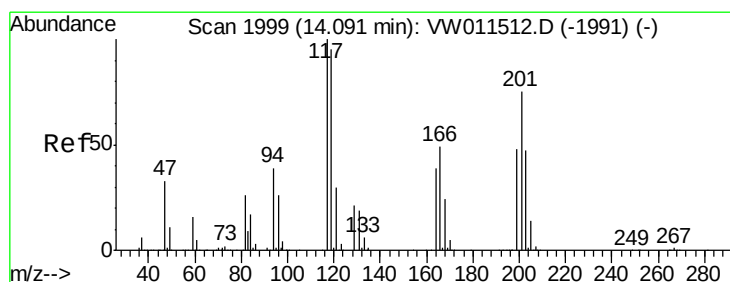
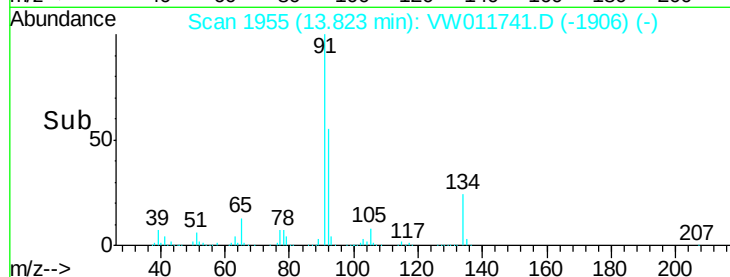
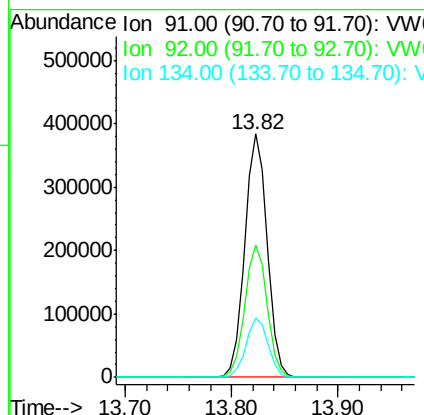
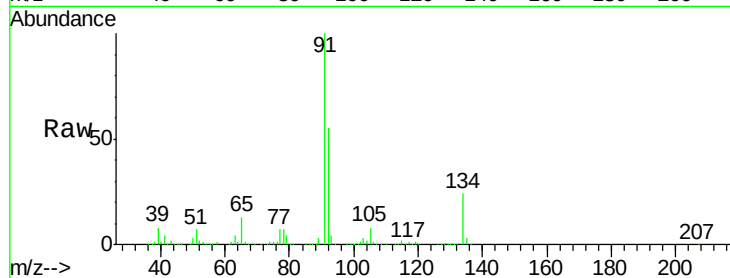
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	565648
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	24.2	12.2	36.6

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#90

Hexachloroethane

Concen: 55.226 ug/l

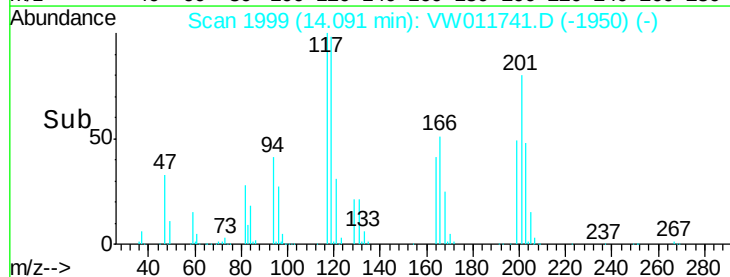
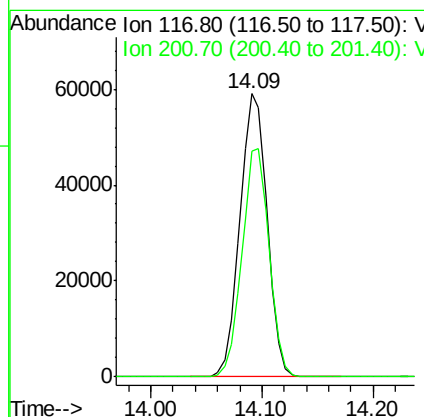
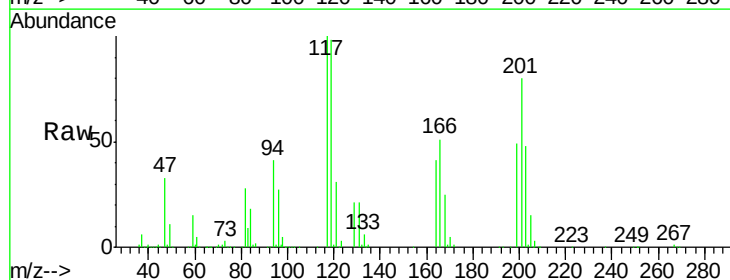
RT: 14.09 min Scan# 1999

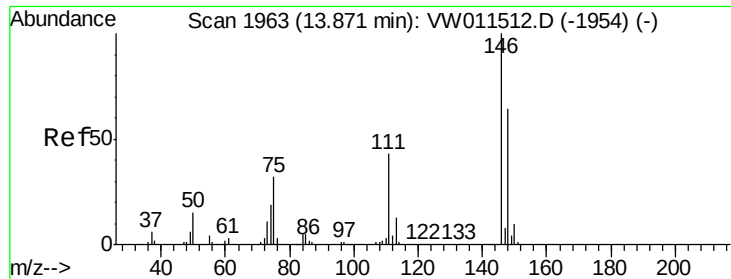
Delta R.T. 0.00 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion:	117	Resp:	99849
Ion	Ratio	Lower	Upper
117	100		
201	80.1	39.4	118.2





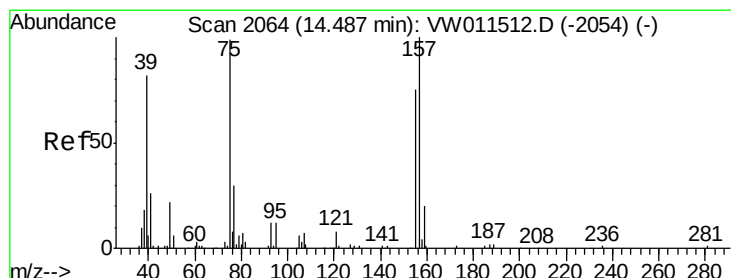
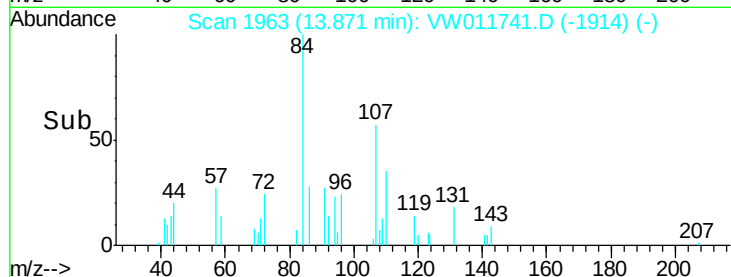
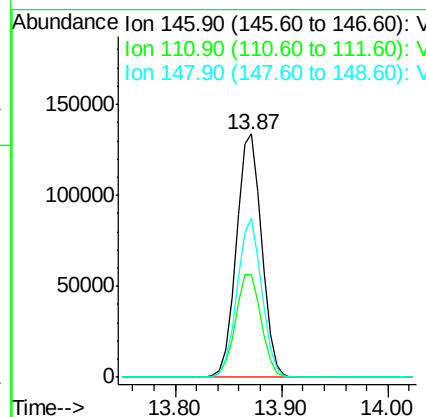
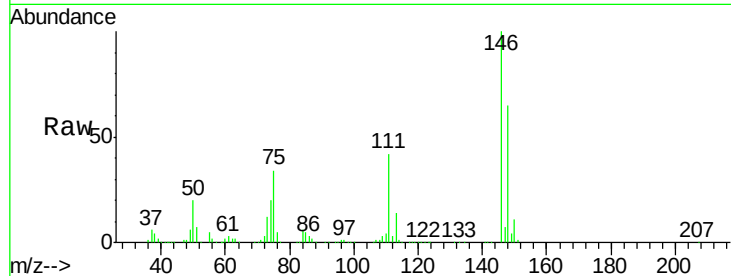
#91
 1,2-Dichlorobenzene
 Concen: 51.554 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	222645		
111	43.2	21.6	65.0	
148	63.8	32.0	96.2	

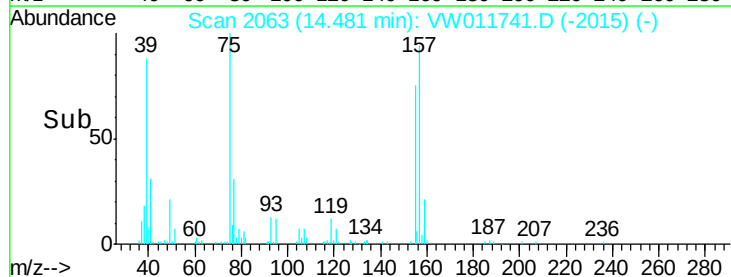
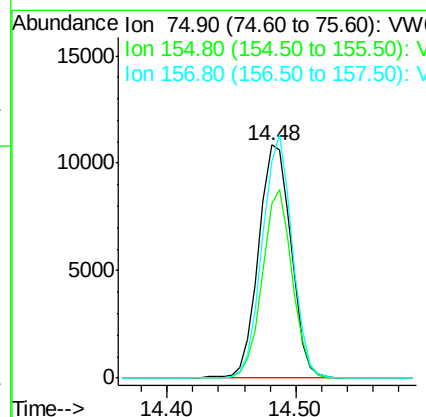
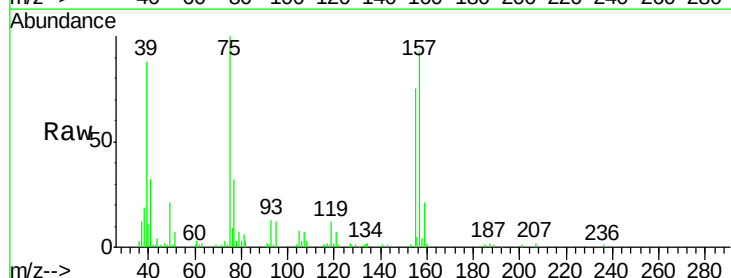
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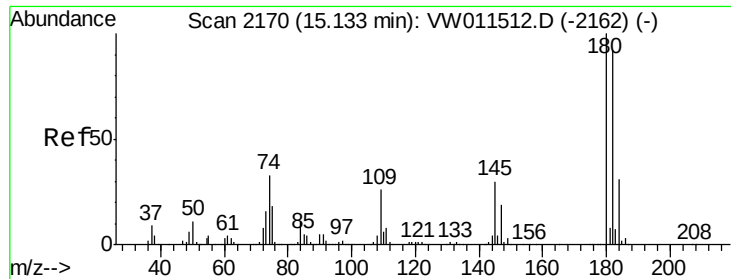
MMDadoda
 8/8/2019 9:30:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.251 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011741.D
 Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18883		
155	73.8	38.2	114.6	
157	95.8	48.9	146.7	





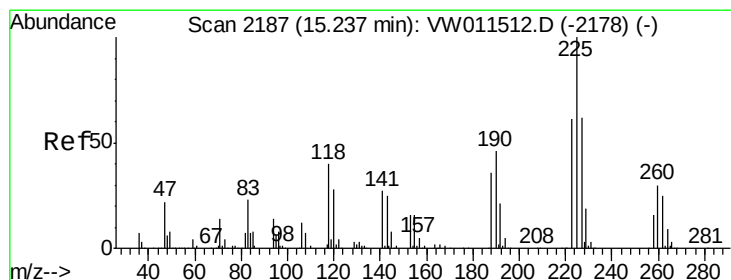
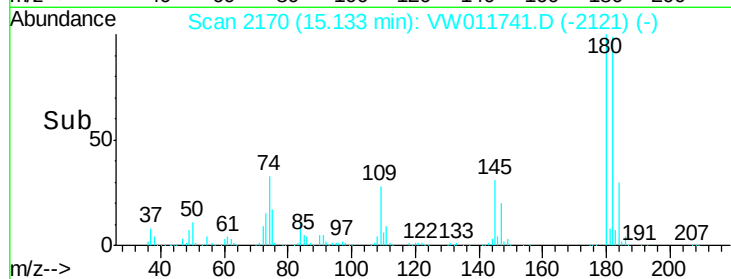
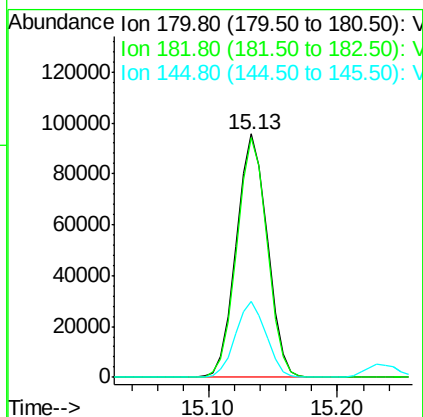
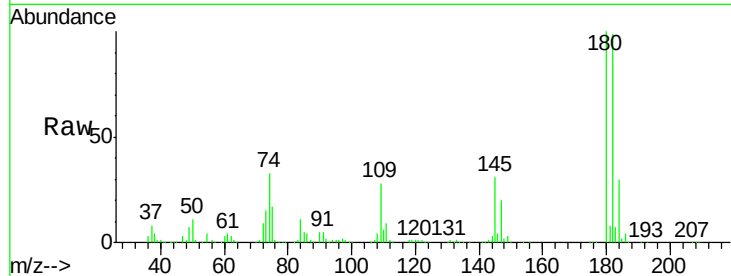
#93
1,2,4-Trichlorobenzene
Concen: 52.420 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159549		
182	96.2	47.4	142.2	
145	30.8	15.4	46.1	

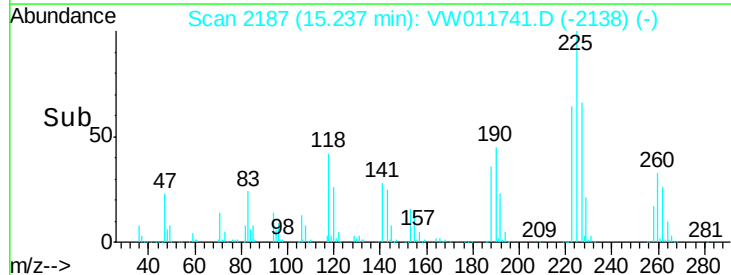
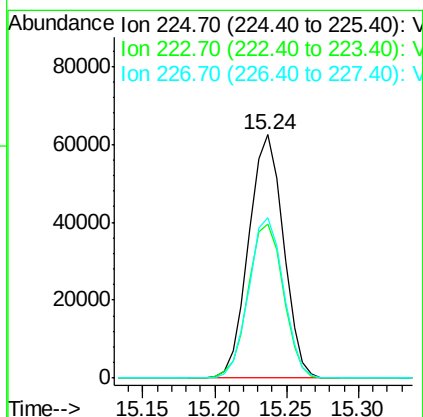
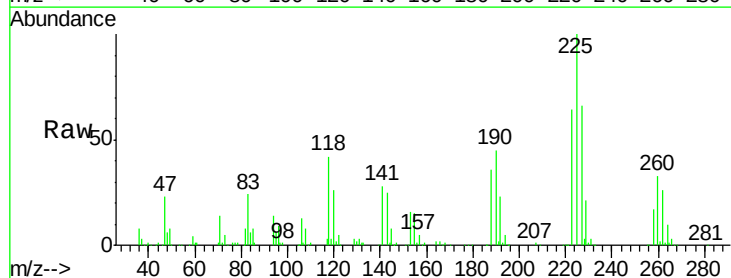
Manual Integrations
APPROVED

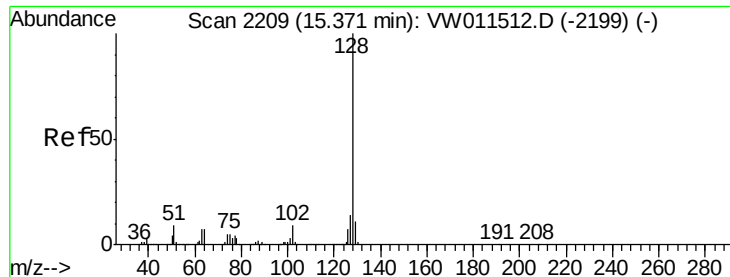
MMDadoda
8/8/2019 9:30:41 AM



#94
Hexachlorobutadiene
Concen: 54.951 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011741.D
Acq: 07 Aug 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104302		
223	64.4	30.8	92.3	
227	65.8	31.6	94.7	





#95

Naphthalene

Concen: 48.246 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Instrument :

MSVOA_W

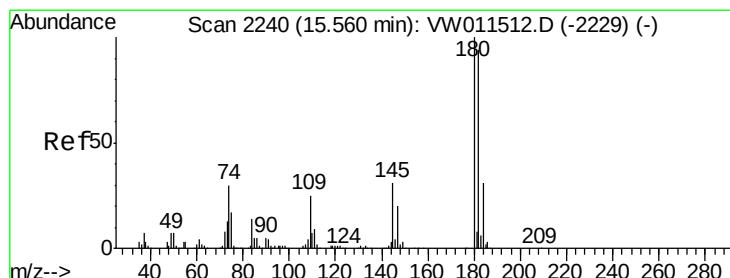
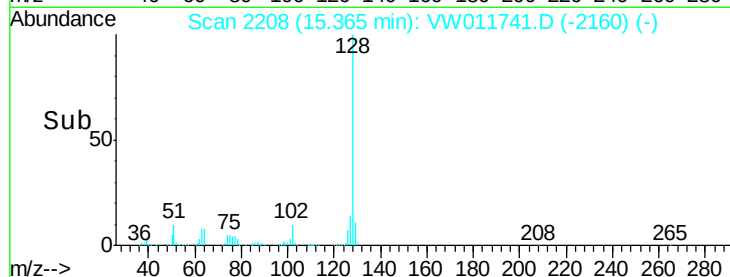
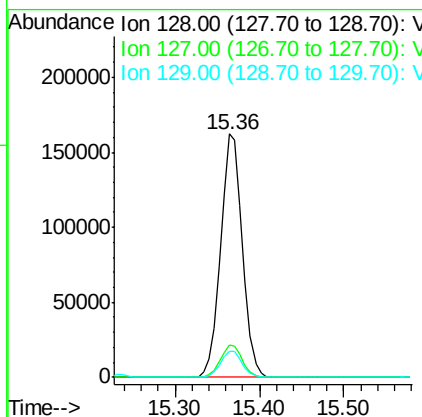
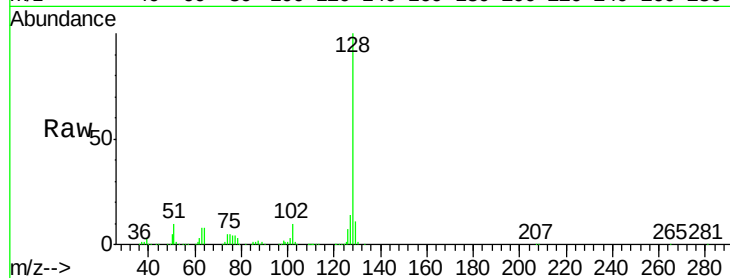
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	287194
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/8/2019 9:30:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.155 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011741.D

Acq: 07 Aug 2019 10:34

Tgt Ion:	180	Resp:	139148
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.2
145	32.2	15.9	47.7

