

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011884.D
 Acq On : 13 Aug 2019 06:45
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:37:03 PM

Quant Time: Aug 13 10:10:34 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	181135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140396	67.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.00%	
35) Dibromofluoromethane	7.88	113	105331	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	
50) Toluene-d8	10.32	98	407884	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
62) 4-Bromofluorobenzene	12.62	95	152745	58.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.58%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	41757	41.364	ug/l	96
3) Chloromethane	2.21	50	80043	45.726	ug/l	99
4) Vinyl Chloride	2.36	62	89576	42.505	ug/l	100
5) Bromomethane	2.75	94	49370	42.323	ug/l	99
6) Chloroethane	2.90	64	55307	45.943	ug/l	94
7) Trichlorofluoromethane	3.25	101	44017	46.735	ug/l	99
8) Diethyl Ether	3.67	74	67271	62.995	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	83714	46.855	ug/l	100
10) Methyl Iodide	4.27	142	135541	53.682	ug/l	99
11) Tert butyl alcohol	5.17	59	49249	326.283	ug/l	99
12) 1,1-Dichloroethene	4.04	96	87472	46.369	ug/l	99
13) Acrolein	3.89	56	31877	213.593	ug/l	95
14) Allyl chloride	4.66	41	215905	53.811	ug/l	99
15) Acrylonitrile	5.36	53	187800	352.296	ug/l	98
16) Acetone	4.12	43	157944	238.722	ug/l	97
17) Carbon Disulfide	4.37	76	258614	43.801	ug/l	98
18) Methyl Acetate	4.66	43	124217	83.573	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	199429	66.619	ug/l	96
20) Methylene Chloride	4.92	84	122464	53.670	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	107212	52.715	ug/l	96
22) Diisopropyl ether	6.31	45	472585	62.473	ug/l	99
23) Vinyl Acetate	6.25	43	1467333	308.700	ug/l	100
24) 1,1-Dichloroethane	6.21	63	231937	57.249	ug/l	100
25) 2-Butanone	7.17	43	270086	311.967	ug/l	99
26) 2,2-Dichloropropane	7.17	77	102692	41.216	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	127076	56.772	ug/l	98
28) Bromochloromethane	7.51	49	121427	67.525	ug/l	99
29) Tetrahydrofuran	7.52	42	178607	360.916	ug/l	99
30) Chloroform	7.67	83	218897	58.565	ug/l	100
31) Cyclohexane	7.95	56	169983	43.709	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	153286	53.851	ug/l	99
36) 1,1-Dichloropropene	8.08	75	155347	46.685	ug/l	99
37) Ethyl Acetate	7.25	43	120681	63.038	ug/l	99
38) Carbon Tetrachloride	8.07	117	134229	47.121	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	159852	43.627	ug/l	97
40) Benzene	8.32	78	481100	51.616	ug/l	99
41) Methacrylonitrile	7.48	41	75305	65.804	ug/l	94
42) 1,2-Dichloroethane	8.40	62	173607	59.492	ug/l	99
43) Isopropyl Acetate	8.42	43	224236	63.689	ug/l	98
44) Trichloroethene	9.09	130	112527	50.231	ug/l	99
45) 1,2-Dichloropropane	9.37	63	138477	55.526	ug/l	97
46) Dibromomethane	9.46	93	67827	59.588	ug/l	98
47) Bromodichloromethane	9.65	83	171065	57.293	ug/l	100
48) Methyl methacrylate	9.43	41	111094	65.687	ug/l	98
49) 1,4-Dioxane	9.45	88	21595	1310.273	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	610628	333.434	ug/l	99
52) Toluene	10.38	92	294956	52.402	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	177104	56.782	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	202995	54.738	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	96902	60.000	ug/l	99
56) Ethyl methacrylate	10.65	69	150808	63.813	ug/l	99
57) 1,3-Dichloropropane	10.93	76	182226	59.639	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	386585	360.274	ug/l	99
59) 2-Hexanone	10.97	43	416445	322.067	ug/l	100
60) Dibromochloromethane	11.13	129	106738	59.540	ug/l	99
61) 1,2-Dibromoethane	11.23	107	91981	60.183	ug/l	100
64) Tetrachloroethene	10.86	164	99908	52.122	ug/l	97
65) Chlorobenzene	11.66	112	302331	51.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	111413	54.041	ug/l	99
67) Ethyl Benzene	11.73	91	562321	49.885	ug/l	100
68) m/p-Xylenes	11.83	106	408621	99.677	ug/l	99
69) o-Xylene	12.16	106	198190	52.026	ug/l	99
70) Styrene	12.18	104	350446	53.206	ug/l	100
71) Bromoform	12.35	173	62748	59.695	ug/l #	99
73) Isopropylbenzene	12.46	105	518442	47.569	ug/l	100
74) N-amyl acetate	12.27	43	198255	58.103	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	120574	58.815	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	99627m	64.449	ug/l	
77) Bromobenzene	12.75	156	124806	51.809	ug/l	97
78) n-propylbenzene	12.80	91	633343	47.749	ug/l	100
79) 2-Chlorotoluene	12.89	91	378048	49.474	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	454303	49.727	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36862	54.957	ug/l	98
82) 4-Chlorotoluene	12.99	91	397795	49.617	ug/l	100
83) tert-Butylbenzene	13.21	119	375774	49.186	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	462190	50.221	ug/l	99
85) sec-Butylbenzene	13.38	105	516253	47.358	ug/l	100
86) p-Isopropyltoluene	13.50	119	470195	47.539	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	236345	50.036	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	233285	49.649	ug/l	99
89) n-Butylbenzene	13.82	91	452946	45.889	ug/l	99
90) Hexachloroethane	14.09	117	87885	50.250	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	217128	51.973	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21444	61.341	ug/l	99

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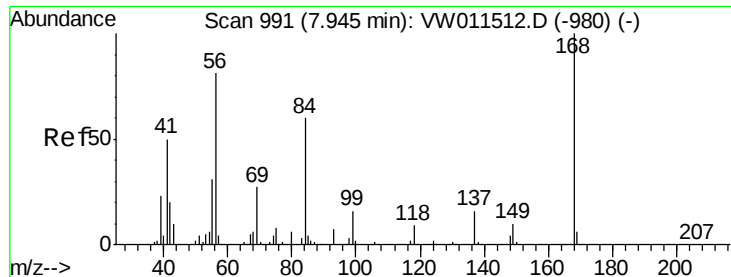
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	148618	50.477	ug/l	100
94) Hexachlorobutadiene	15.24	225	83563	45.511	ug/l	97
95) Naphthalene	15.36	128	319696	55.207	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	140060	54.269	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: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 181135

Ion Ratio Lower Upper

168 100

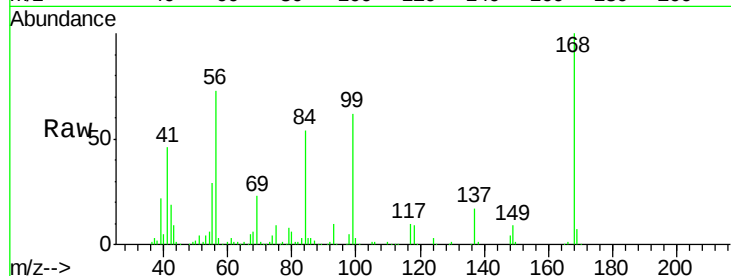
99 61.6 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

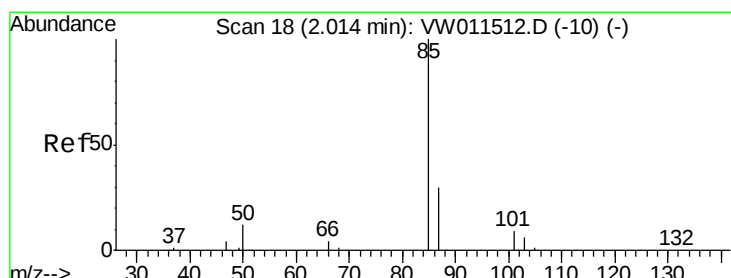
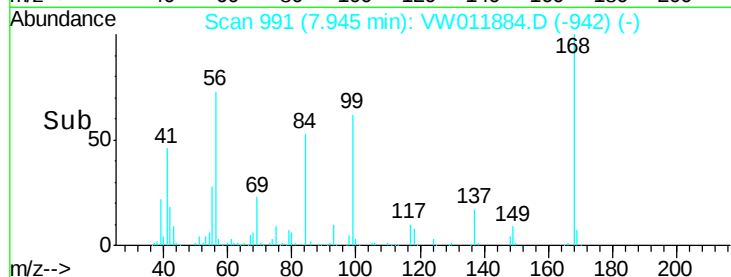
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 41.364 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011884.D

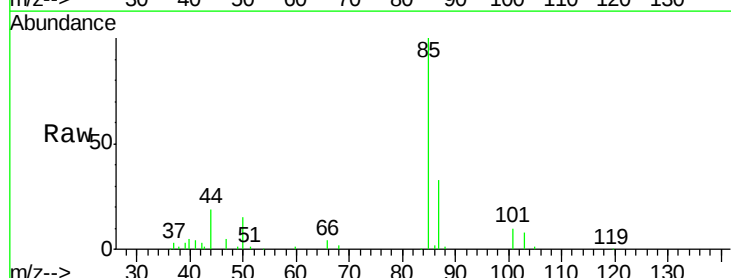
Acq: 13 Aug 2019 06:45

Tgt Ion: 85 Resp: 41757

Ion Ratio Lower Upper

85 100

87 32.7 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

15000

10000

5000

0

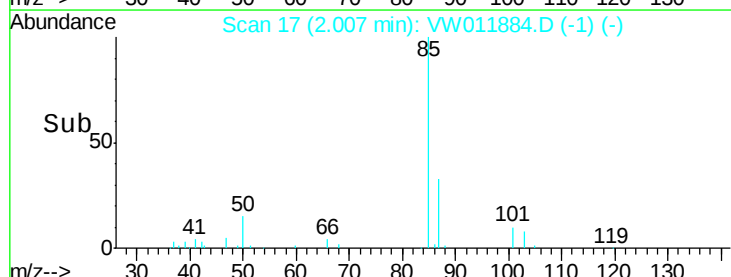
1.90

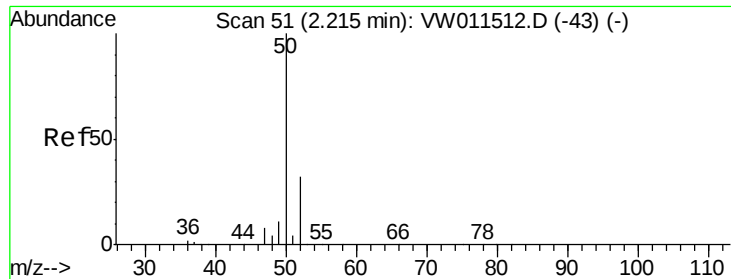
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 45.726 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 80043

Ion Ratio Lower Upper

50 100

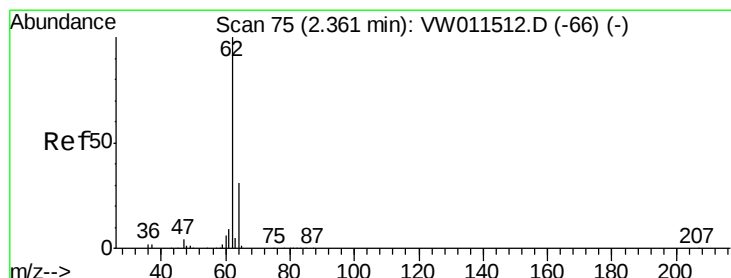
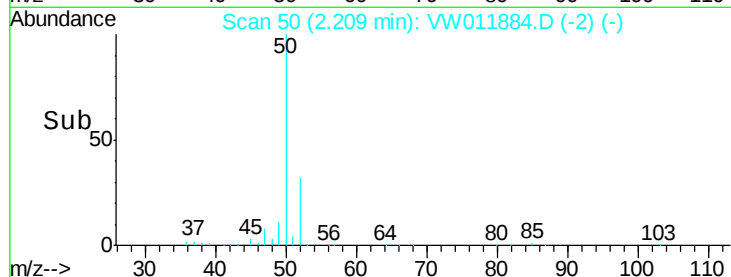
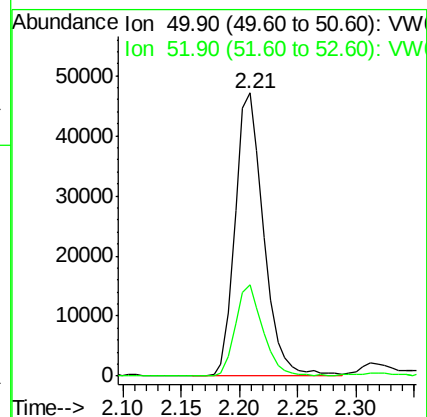
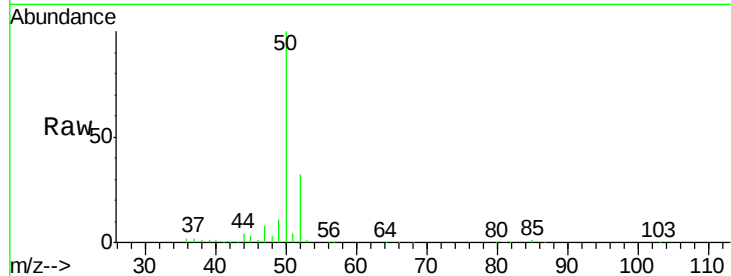
52 32.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.505 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011884.D

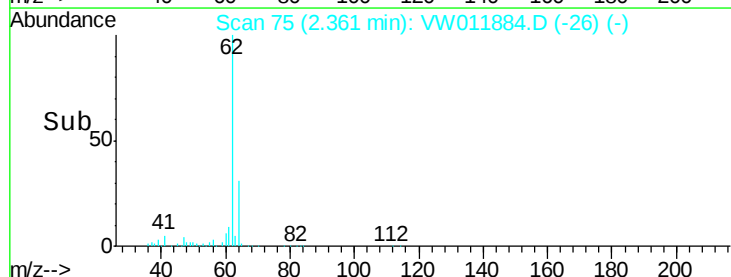
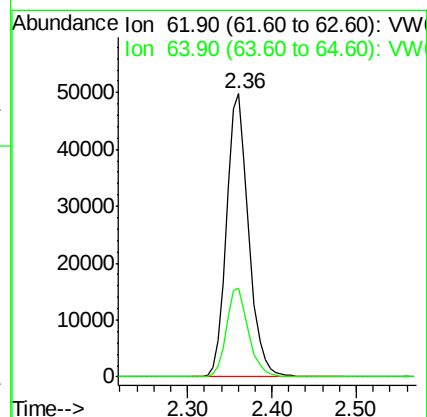
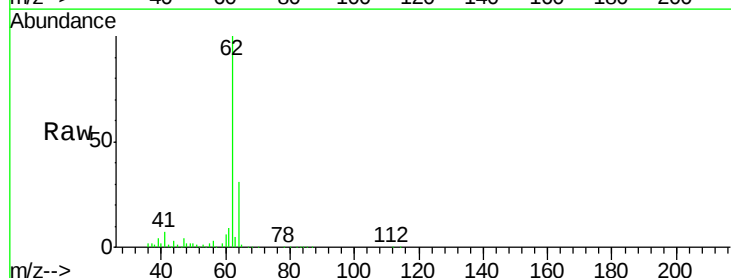
Acq: 13 Aug 2019 06:45

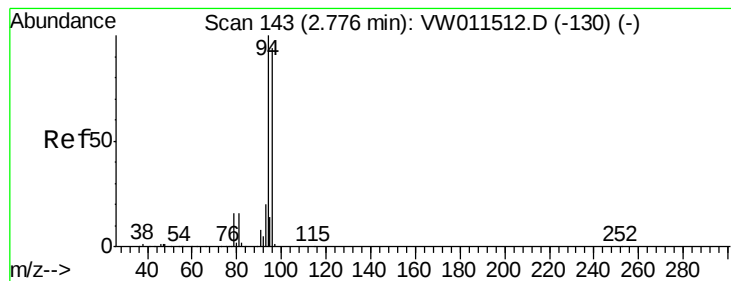
Tgt Ion: 62 Resp: 89576

Ion Ratio Lower Upper

62 100

64 31.1 25.0 37.4





#5

Bromomethane

Concen: 42.323 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.03 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49370

Ion Ratio Lower Upper

94 100

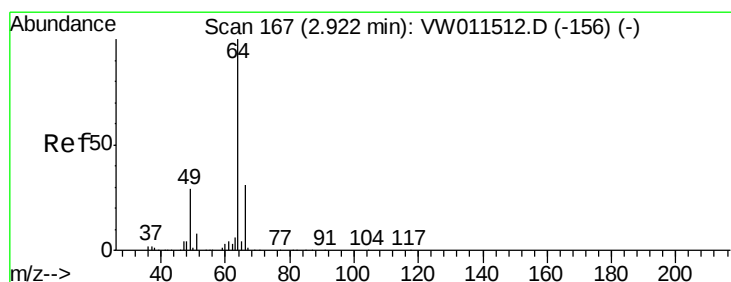
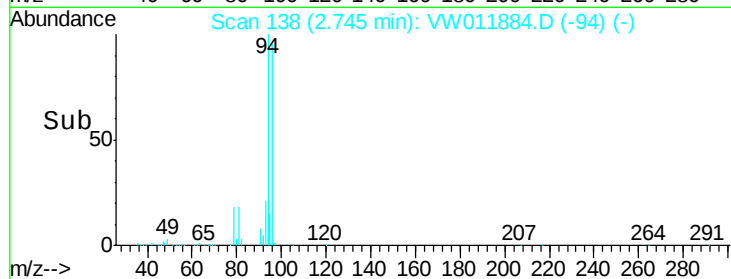
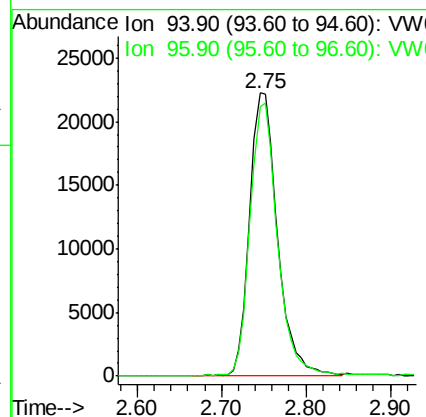
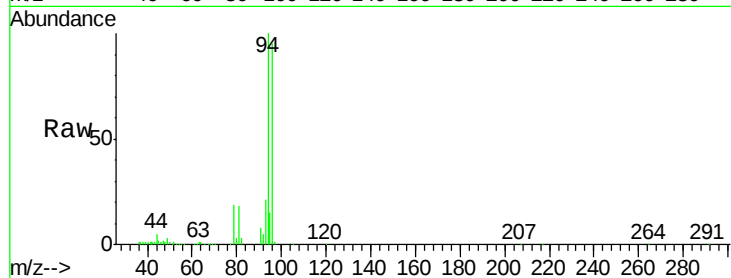
96 94.9 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 45.943 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW011884.D

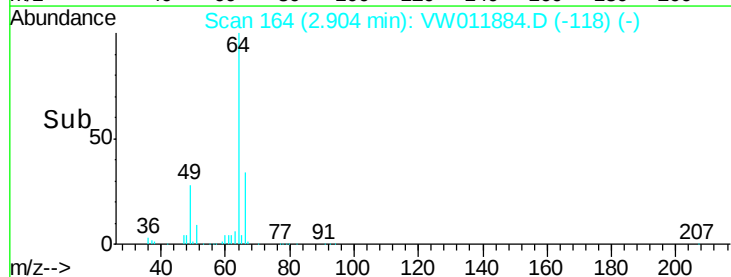
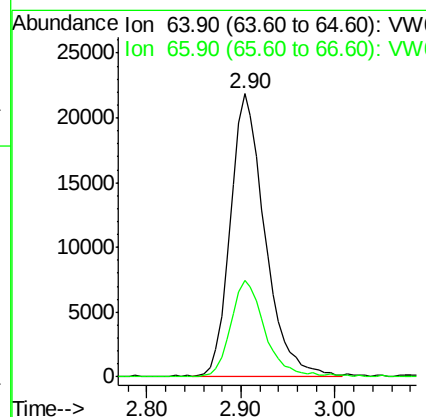
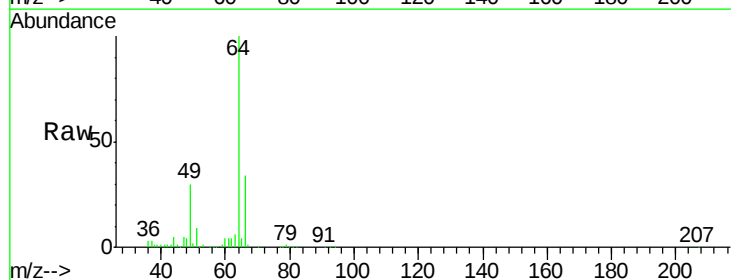
Acq: 13 Aug 2019 06:45

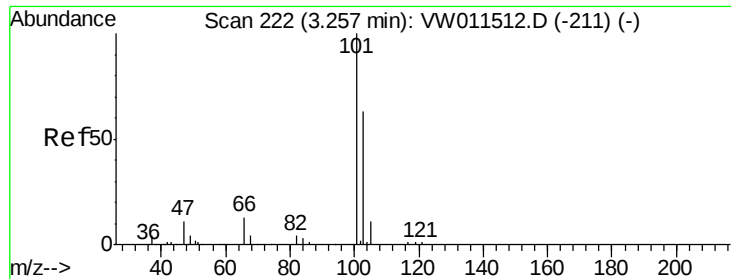
Tgt Ion: 64 Resp: 55307

Ion Ratio Lower Upper

64 100

66 34.2 24.6 36.8





#7

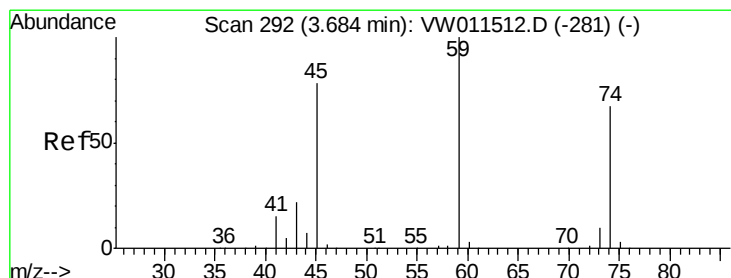
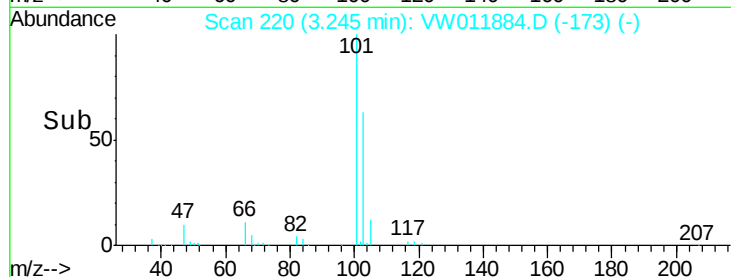
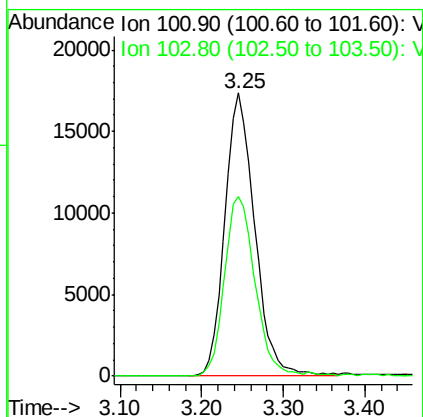
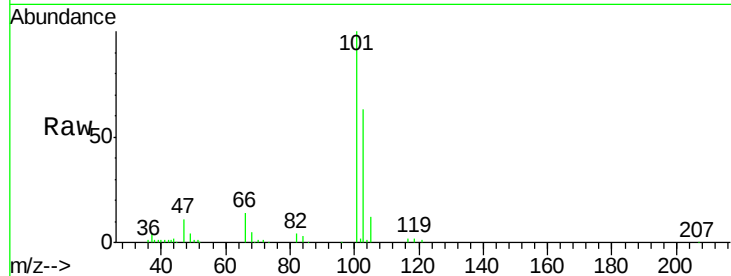
Trichlorofluoromethane
 Concen: 46.735 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.2	75.4

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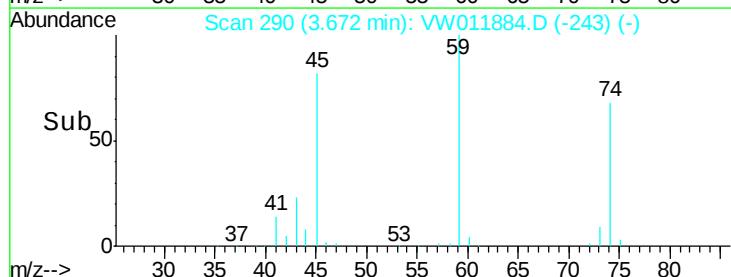
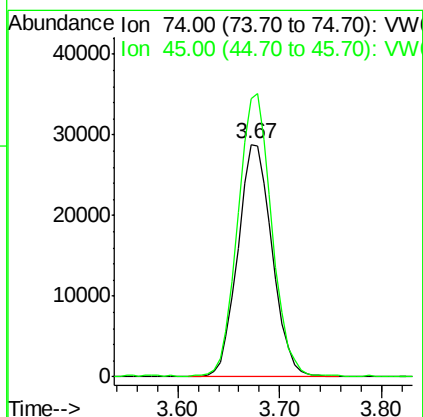
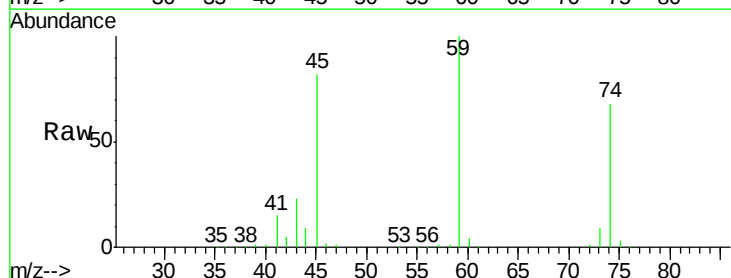
MMDadoda
 8/13/2019 2:37:03 PM

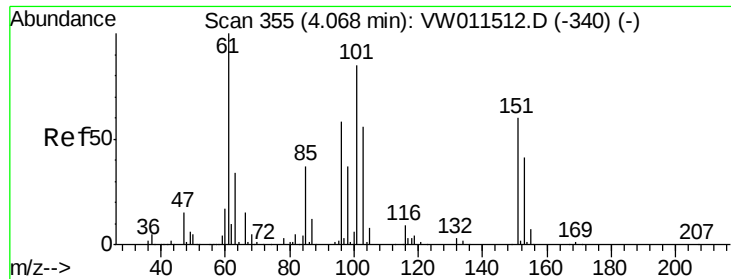


#8

Diethyl Ether
 Concen: 62.995 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.2	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.855 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

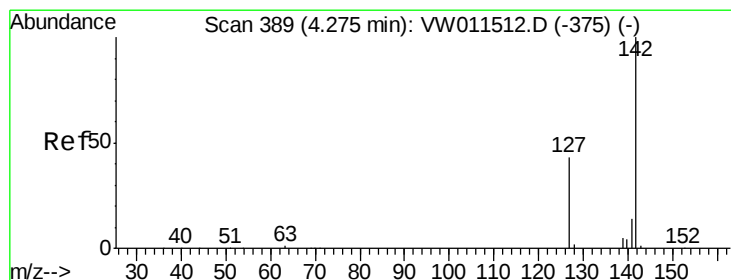
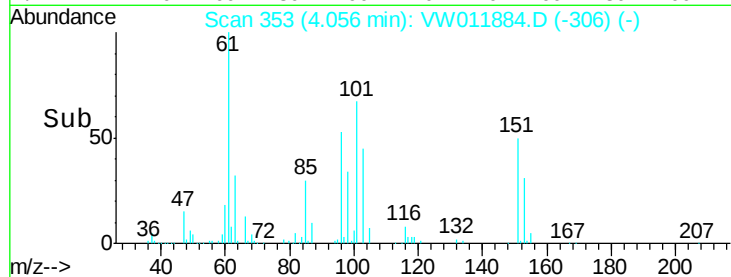
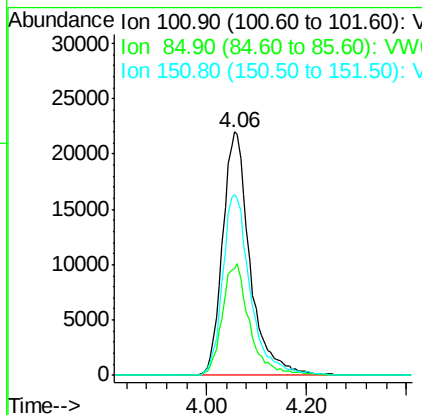
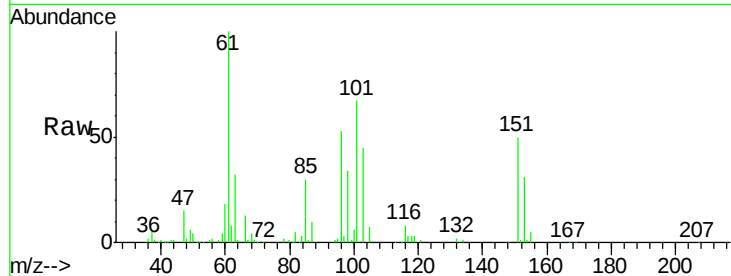
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	83714
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.6	54.8
151	75.1	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 53.682 ug/l

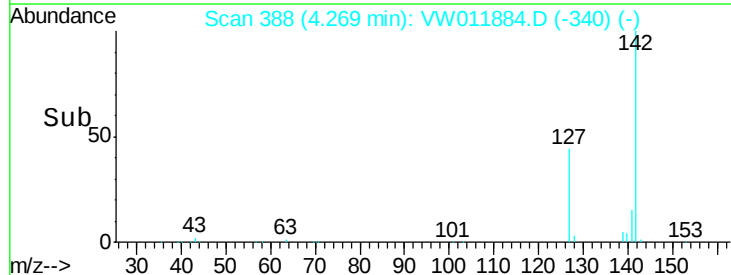
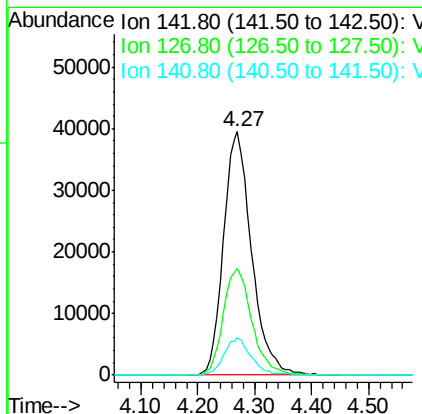
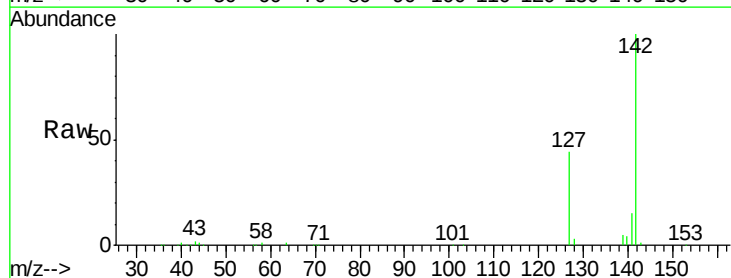
RT: 4.27 min Scan# 388

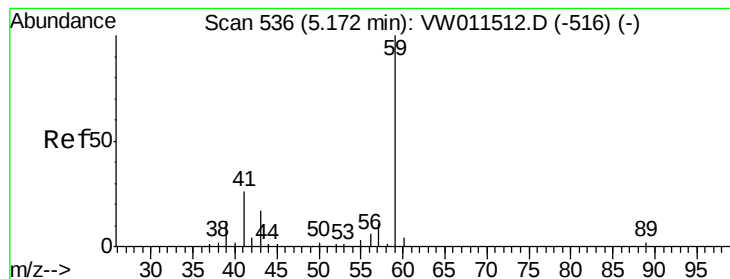
Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion:	142	Resp:	135541
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.0	52.6
141	14.7	11.9	17.9





#11

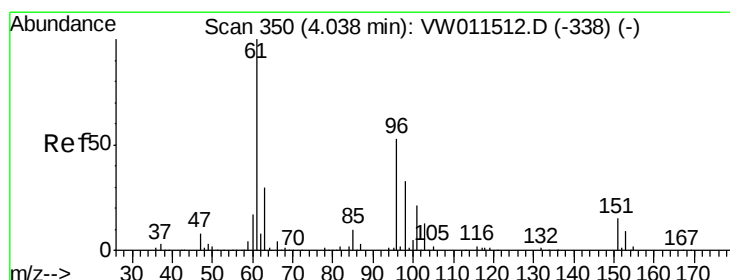
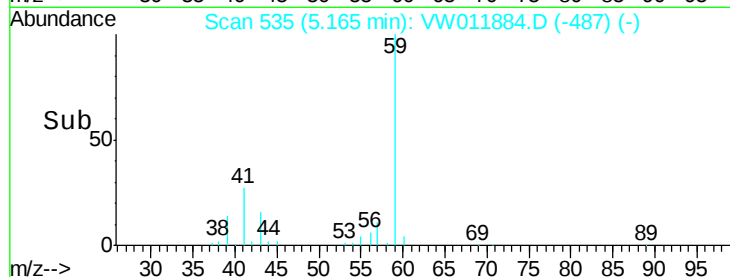
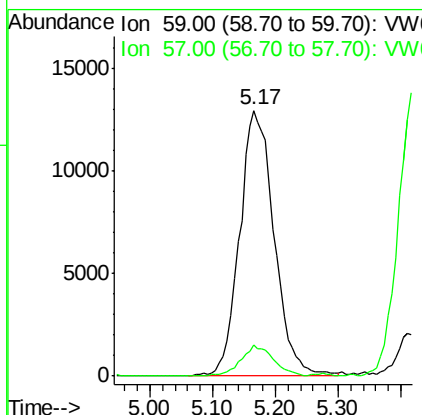
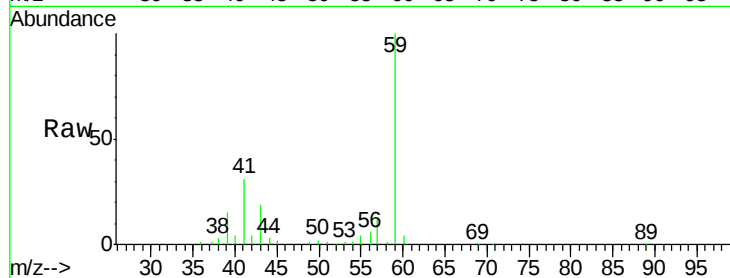
Tert butyl alcohol
 Concen: 326.283 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	49249
Ion Ratio	100	Lower	Upper
57	10.9	8.5	12.7

Manual Integrations
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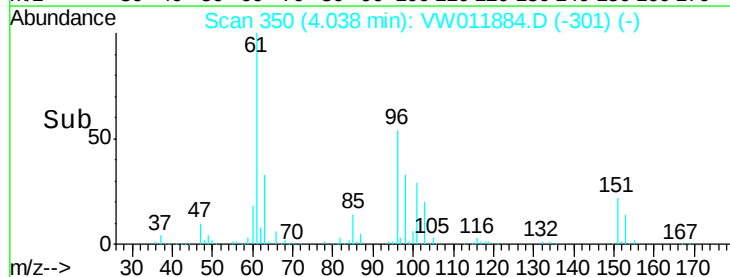
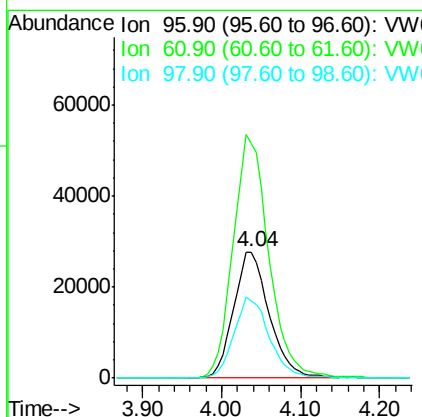
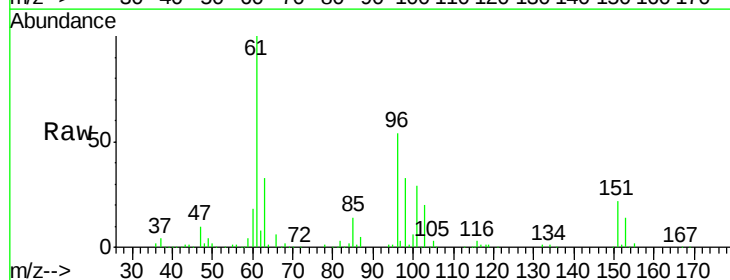
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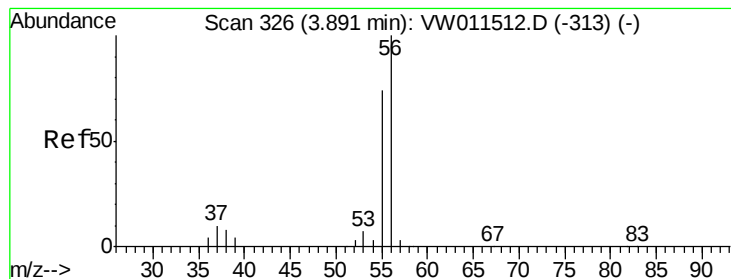


#12

1,1-Dichloroethene
 Concen: 46.369 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	96	Resp	87472
Ion Ratio	100	Lower	Upper
61	185.6	149.9	224.9
98	61.6	49.1	73.7





#13

Acrolein

Concen: 213.593 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050EC

Tot Ion: 56 Resp: 31877

Ion Ratio Lower Upper

56 100

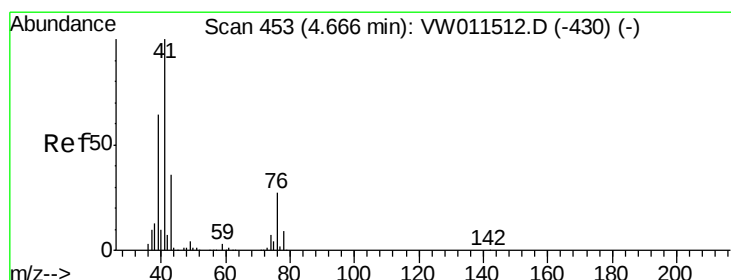
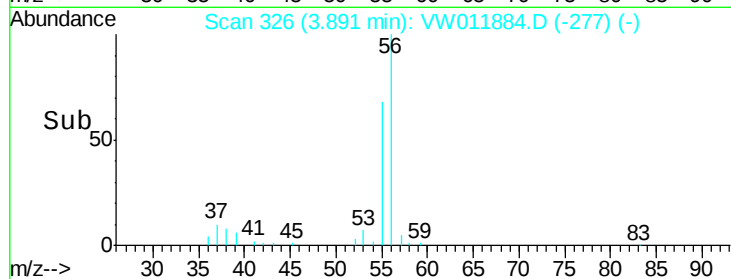
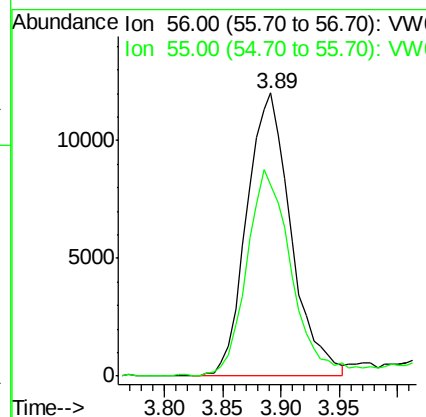
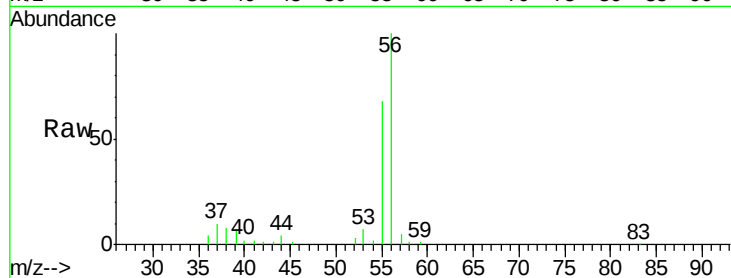
55 74.1 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 53.811 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

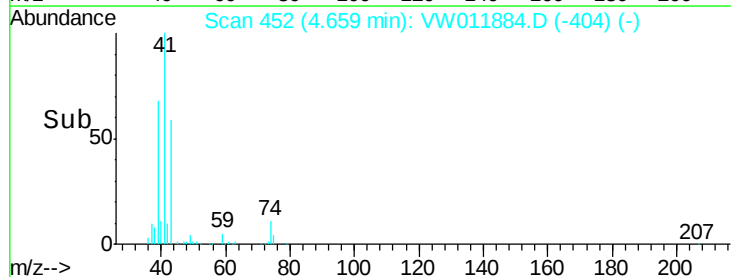
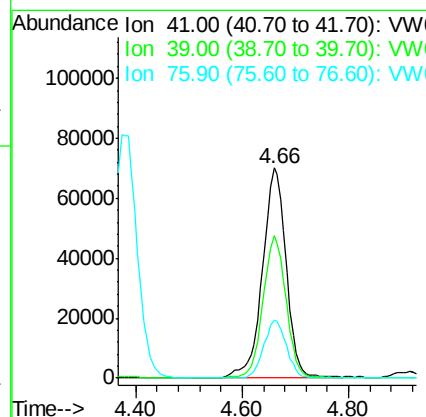
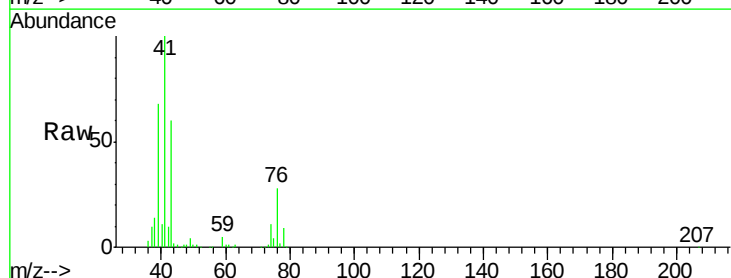
Tgt Ion: 41 Resp: 215905

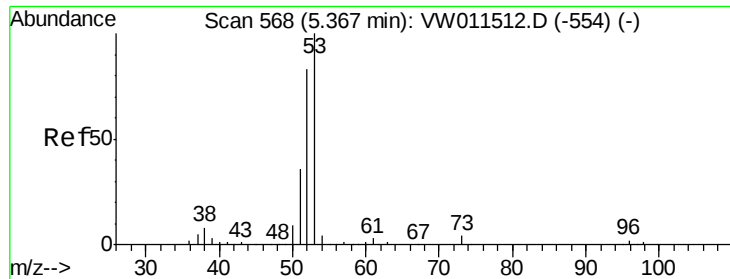
Ion Ratio Lower Upper

41 100

39 65.7 52.6 78.8

76 26.5 22.0 33.0





#15

Acrylonitrile

Concen: 352.296 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

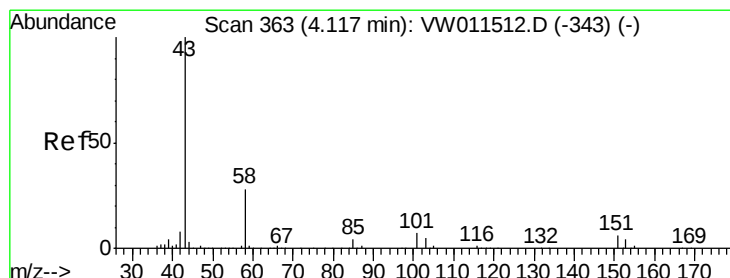
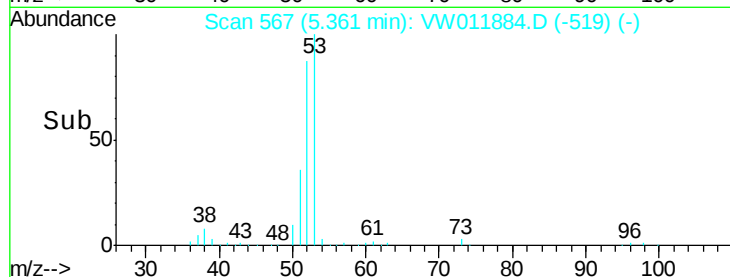
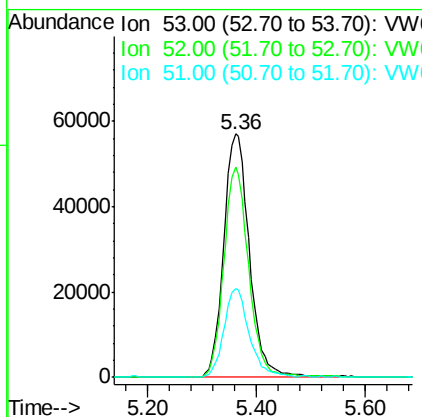
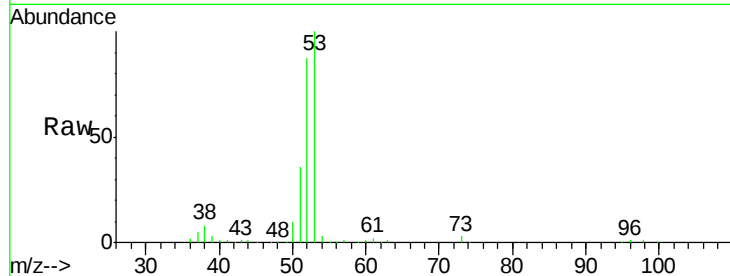
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	187800
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.2	100.8
51	36.0	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 238.722 ug/l

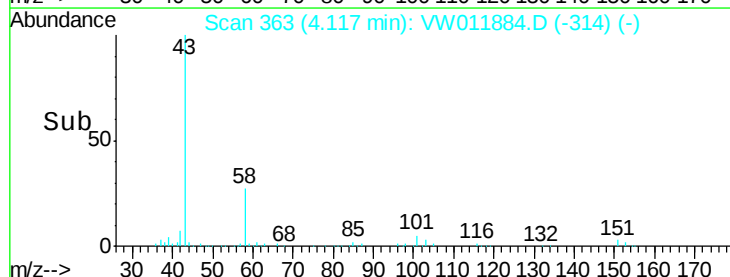
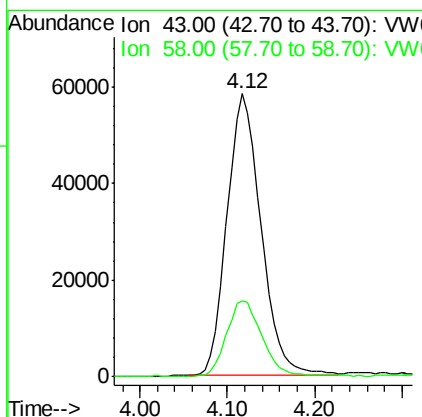
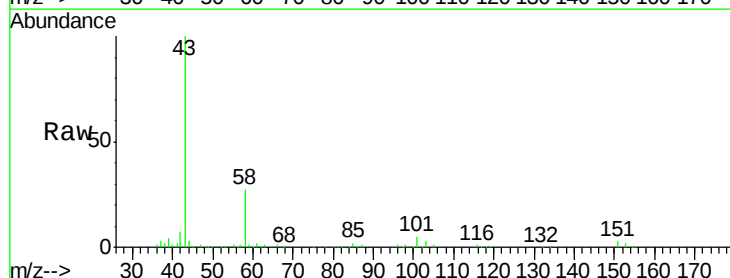
RT: 4.12 min Scan# 363

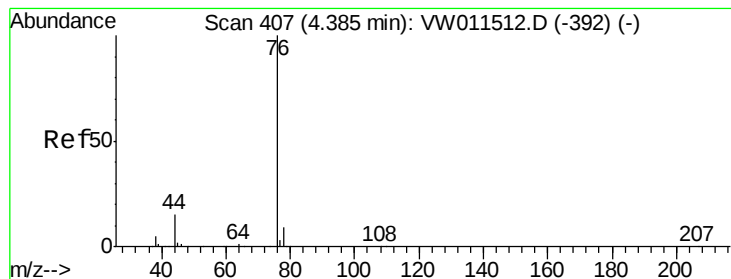
Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion:	43	Resp:	157944
Ion	Ratio	Lower	Upper
43	100		
58	26.6	22.3	33.5





#17

Carbon Disulfide

Concen: 43.801 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 258614

Ion Ratio Lower Upper

76 100

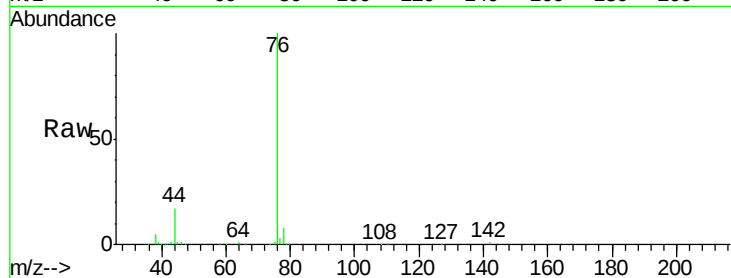
78 8.2 7.1 10.7

Manual Integrations

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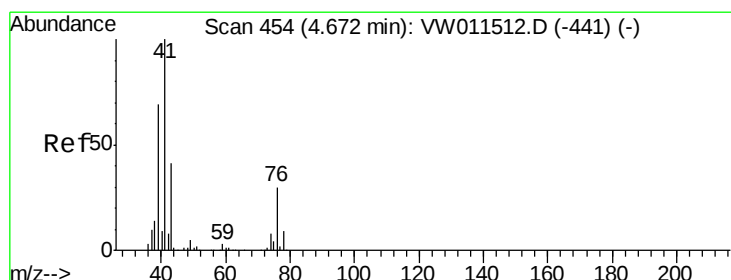
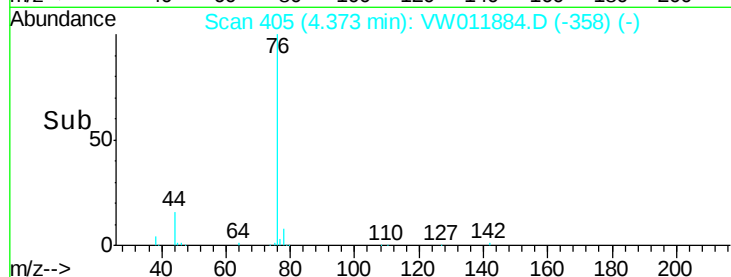
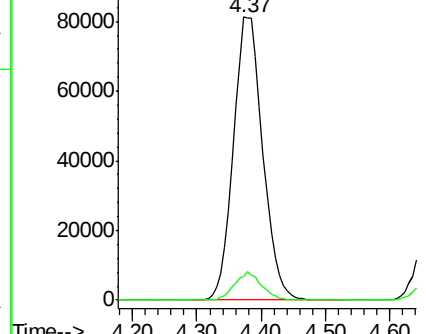
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 83.573 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011884.D

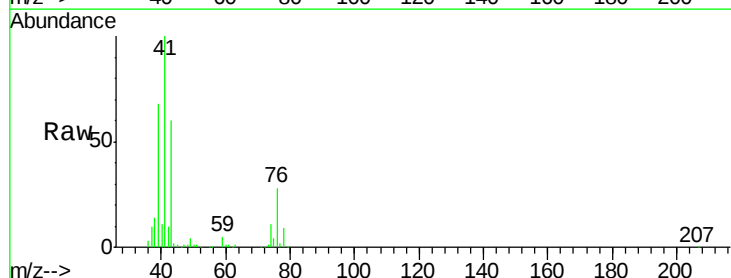
Acq: 13 Aug 2019 06:45

Tgt Ion: 43 Resp: 124217

Ion Ratio Lower Upper

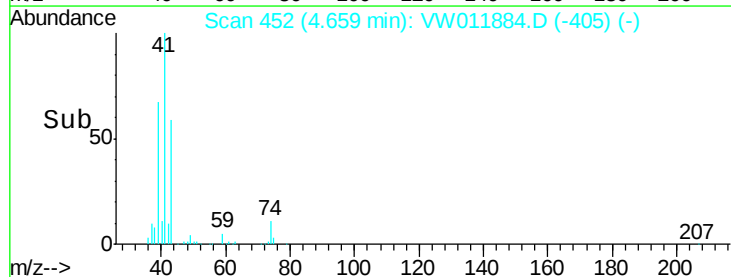
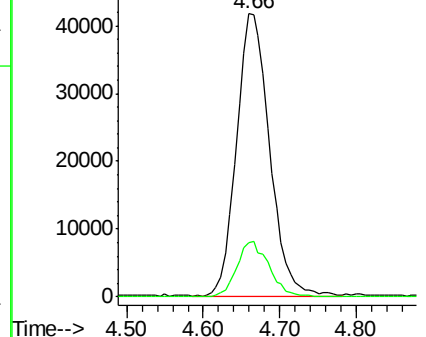
43 100

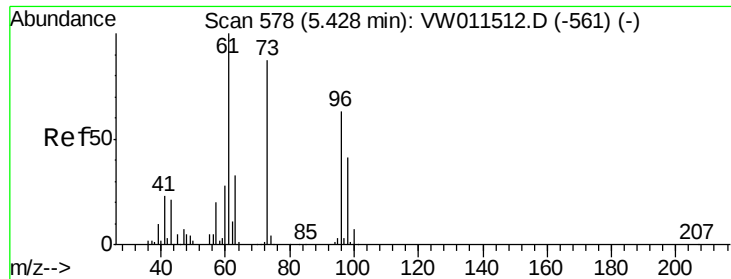
74 19.2 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





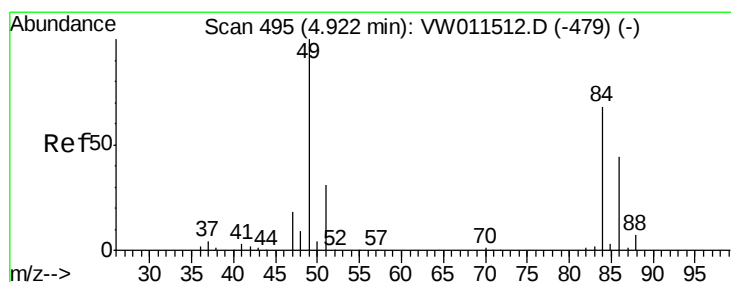
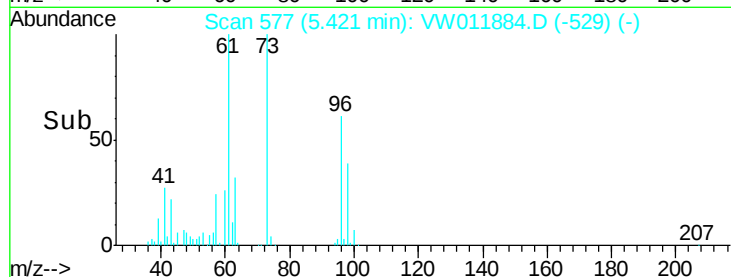
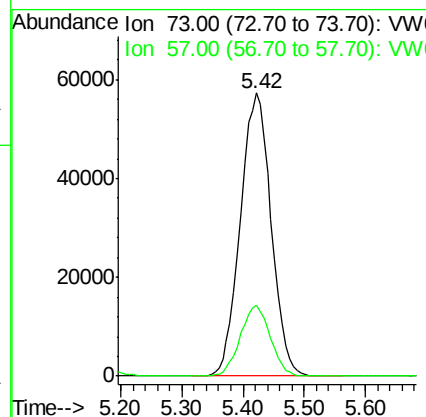
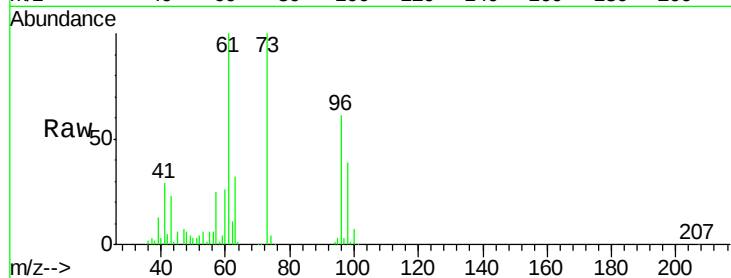
#19
Methvl tert-butvl Ether
Concen: 66.619 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.1	18.4	27.6

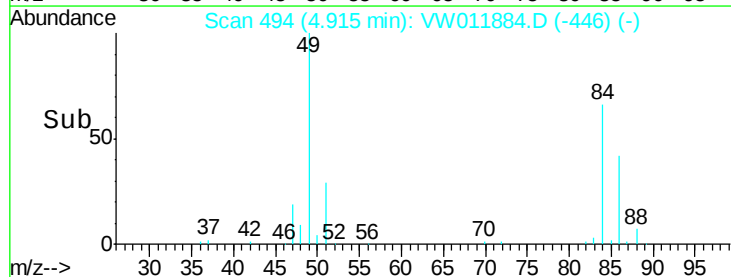
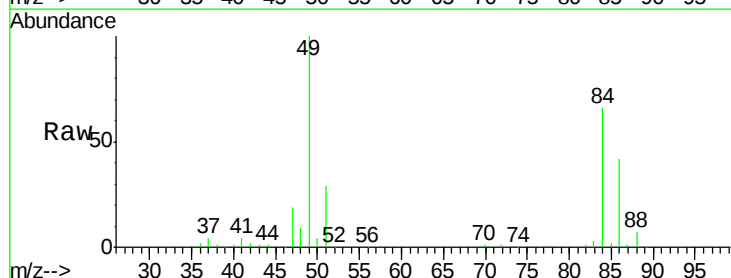
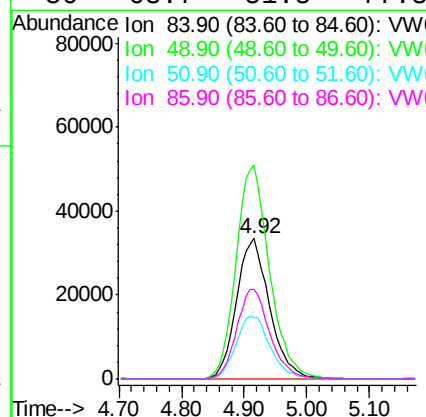
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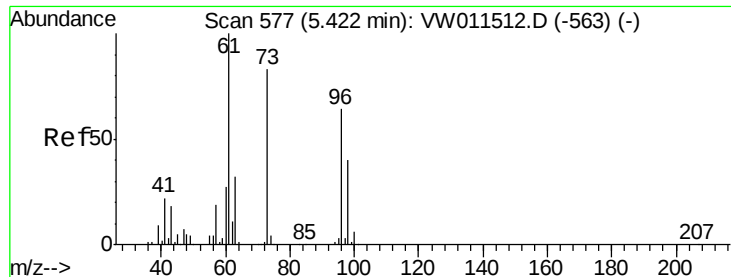
MMDadoda
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#20
Methylene Chloride
Concen: 53.670 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.2	117.8	176.6
51	44.1	37.0	55.4
86	63.7	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 52.715 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

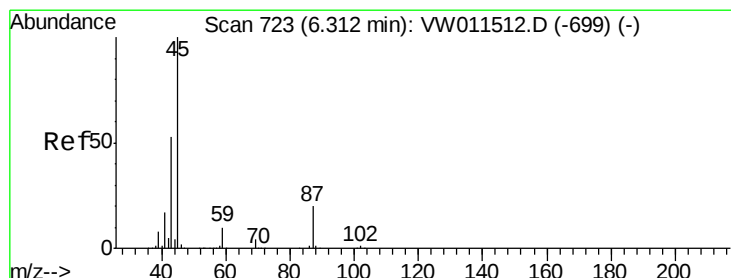
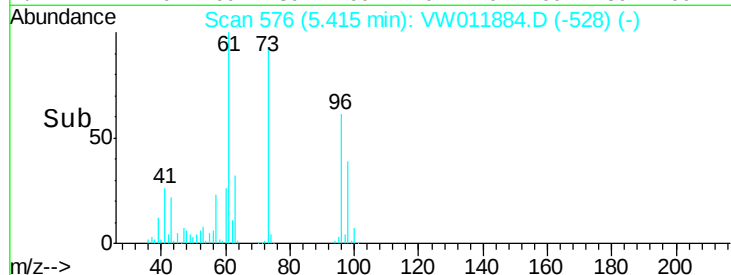
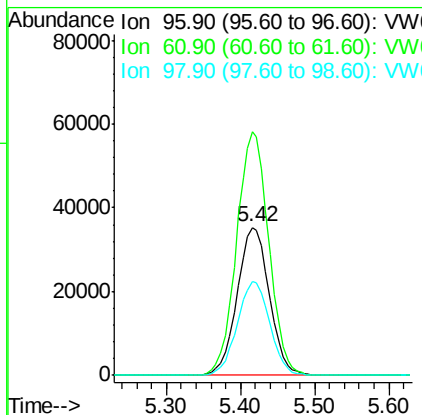
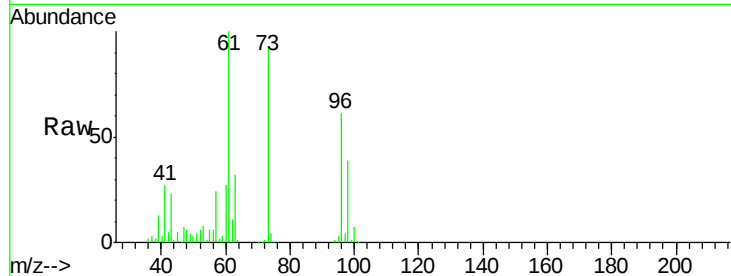
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	107212
Ion	Ratio	Lower	Upper
96	100		
61	164.4	125.7	188.5
98	63.7	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 62.473 ug/l

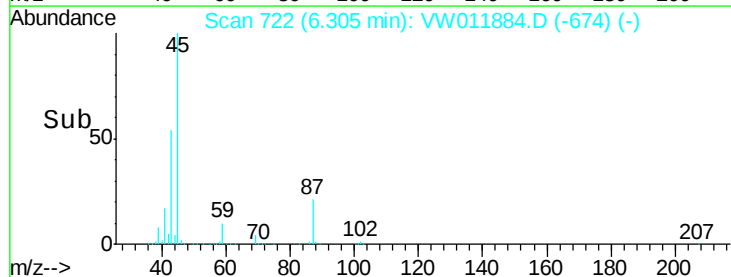
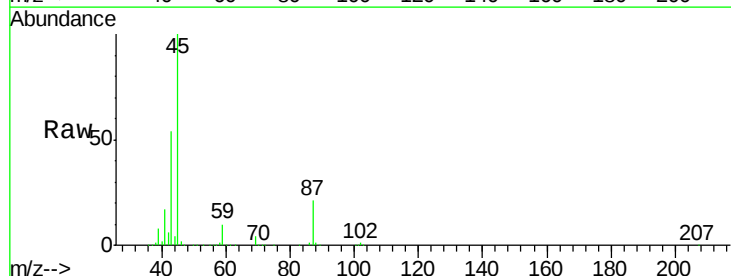
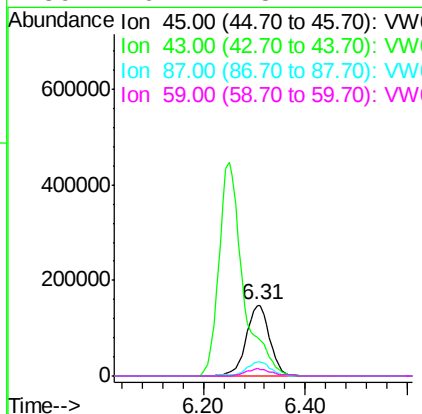
RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion:	45	Resp:	472585
Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.6	63.8
87	20.8	16.4	24.6
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 308.700 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1467333

Ion Ratio Lower Upper

43 100

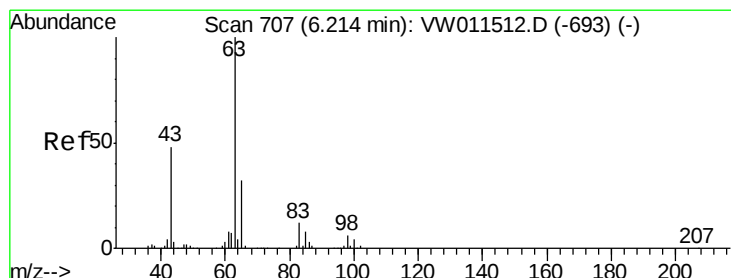
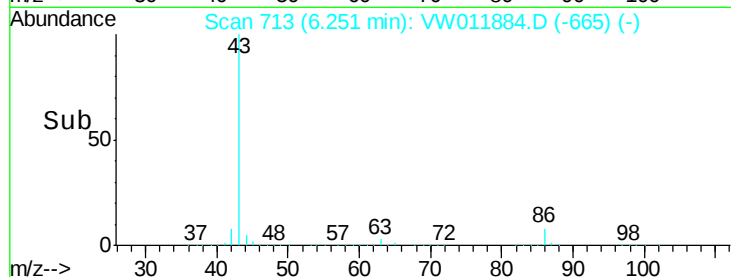
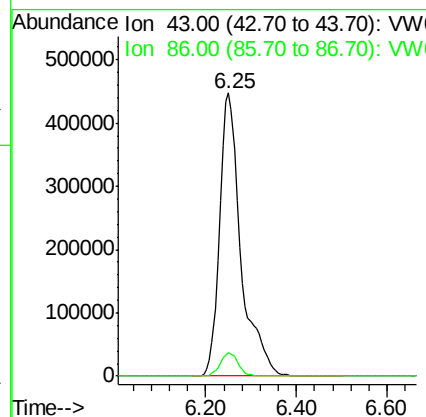
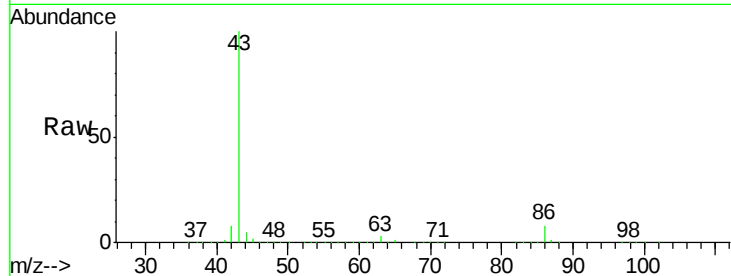
86 8.1 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 57.249 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

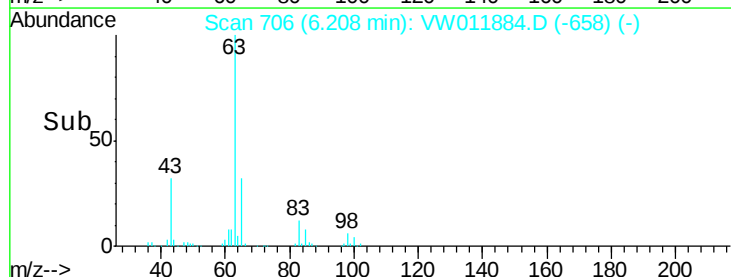
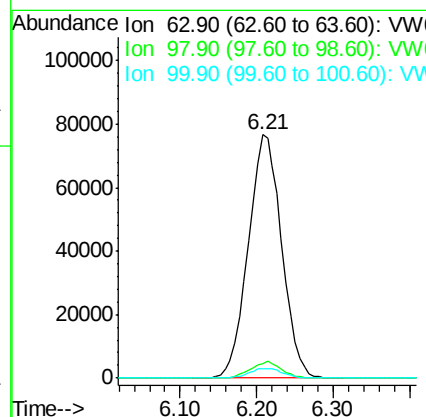
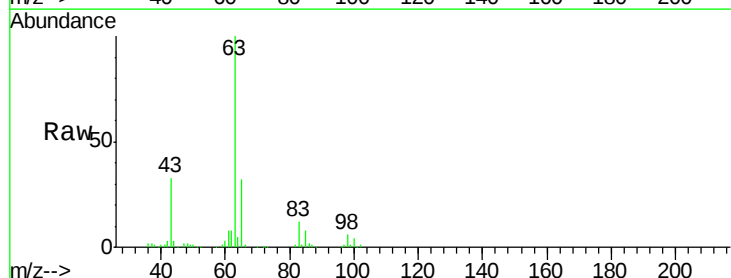
Tgt Ion: 63 Resp: 231937

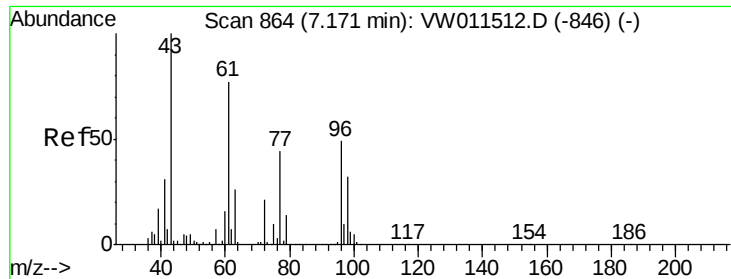
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 311.967 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 270086

Ion Ratio Lower Upper

43 100

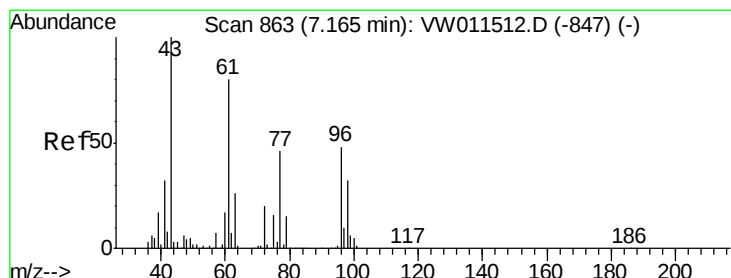
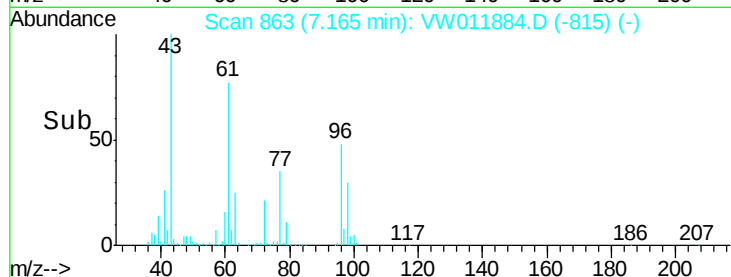
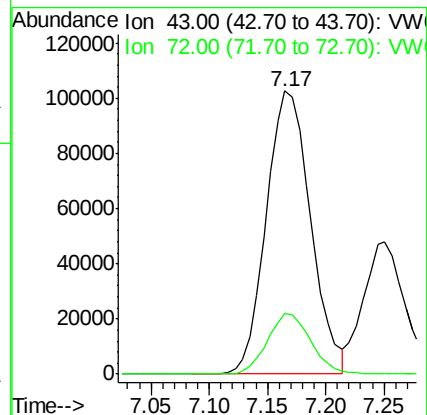
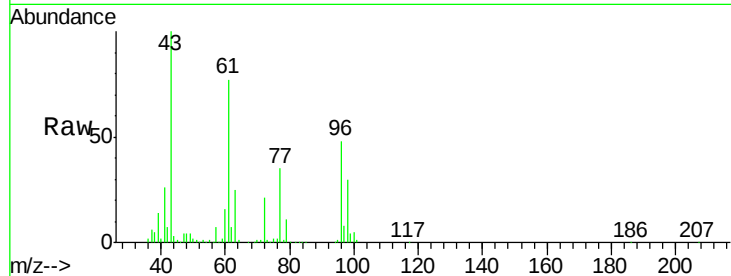
72 21.3 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.216 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011884.D

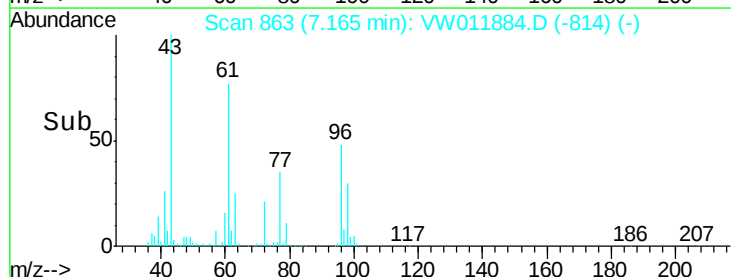
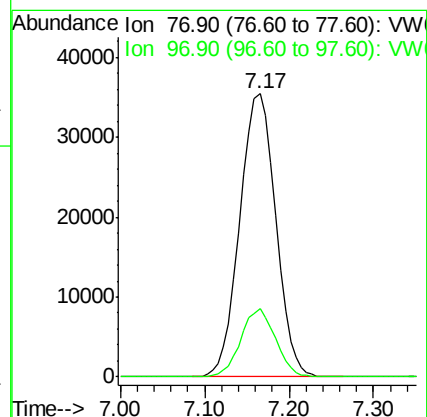
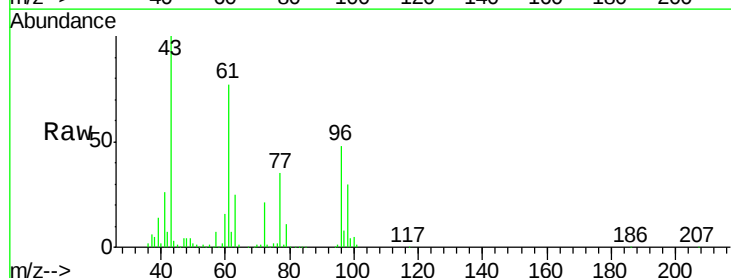
Acq: 13 Aug 2019 06:45

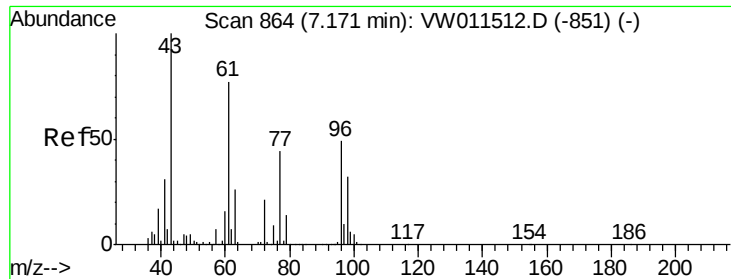
Tgt Ion: 77 Resp: 102692

Ion Ratio Lower Upper

77 100

97 23.2 10.8 32.4





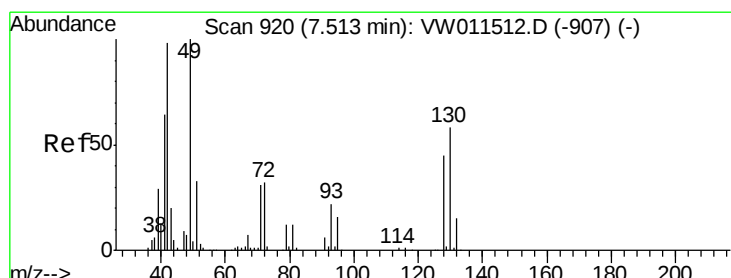
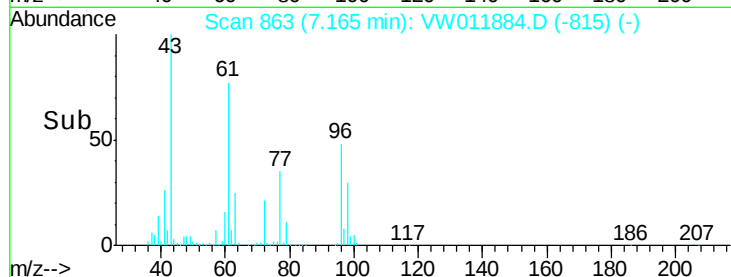
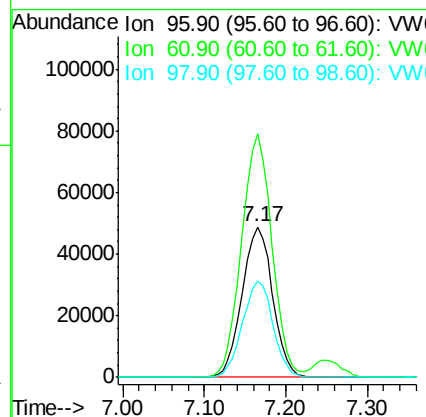
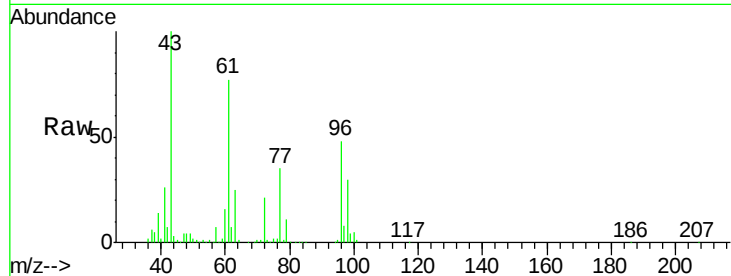
#27
 cis-1,2-Dichloroethene
 Concen: 56.772 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.2	0.0	328.4	
98	64.2	0.0	128.8	

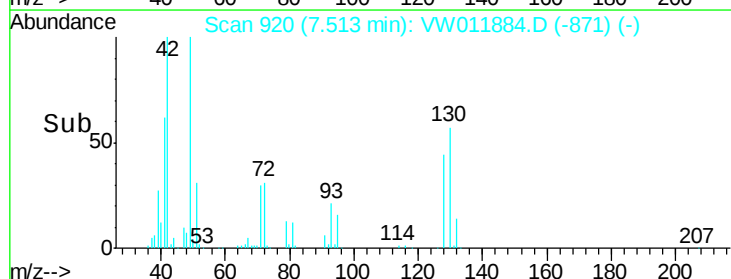
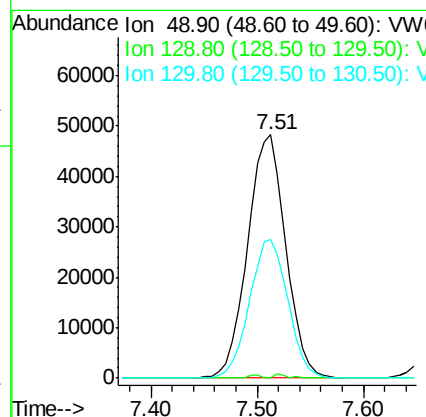
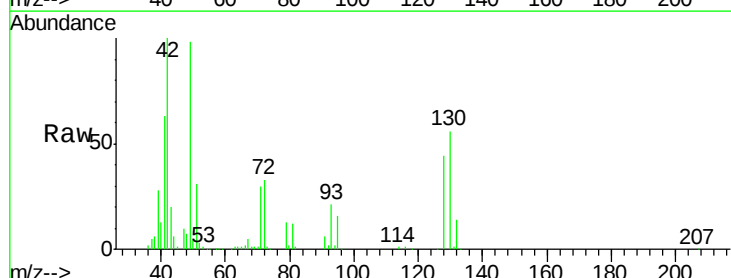
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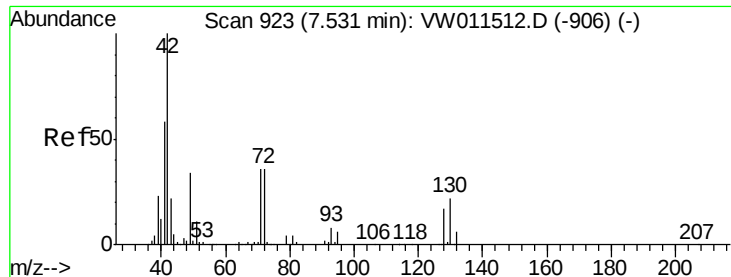
MMDadoda
 8/13/2019 2:37:03 PM



#28
 Bromochloromethane
 Concen: 67.525 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.5	0.0	1.0	
130	57.4	46.3	69.5	





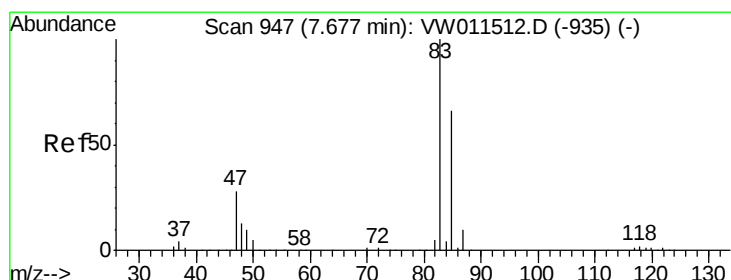
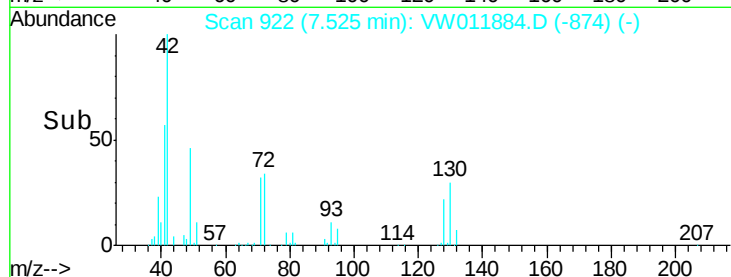
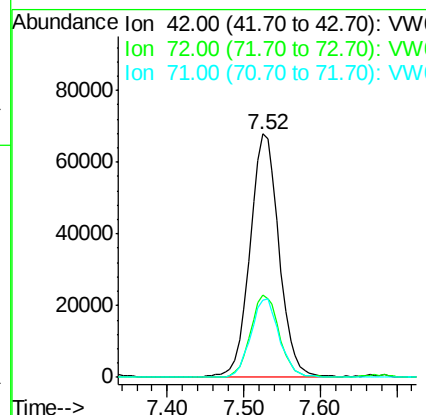
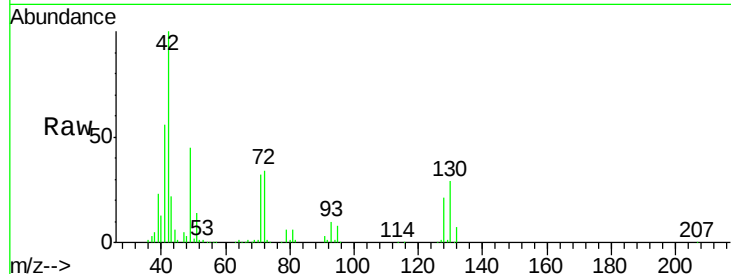
#29
Tetrahydrofuran
Concen: 360.916 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	27.1	40.7
71	31.9	26.2	39.4

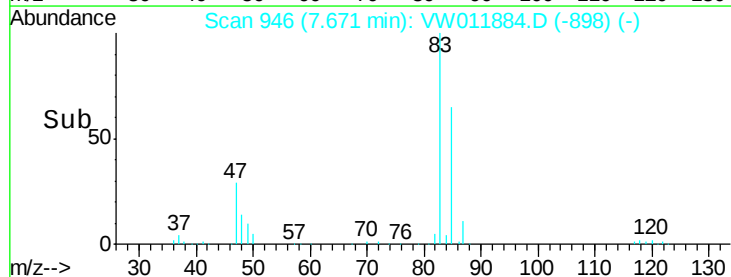
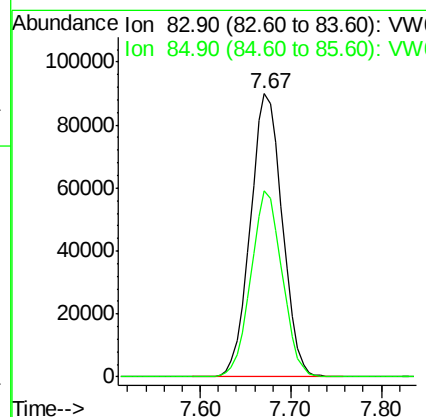
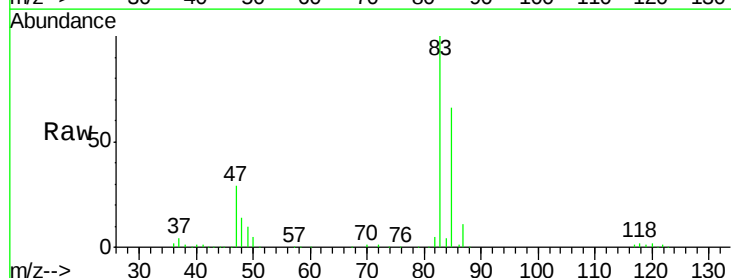
Manual Integrations
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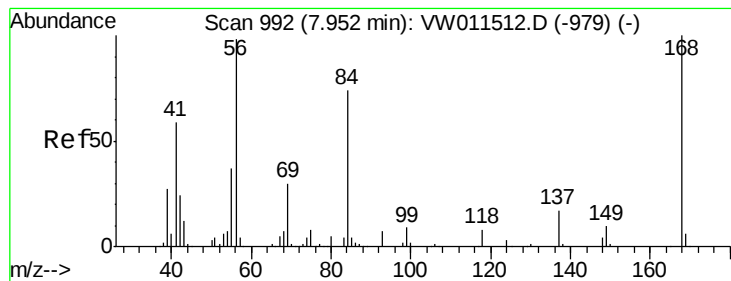
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#30
Chloroform
Concen: 58.565 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7





#31

Cyclohexane

Concen: 43.709 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

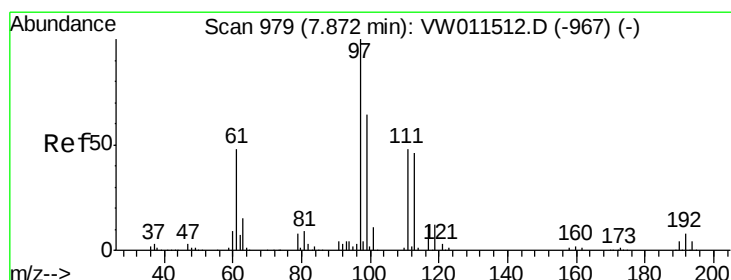
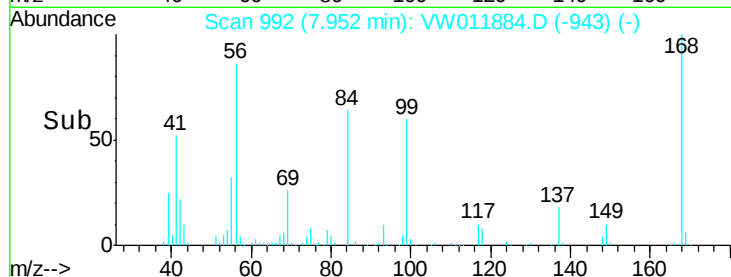
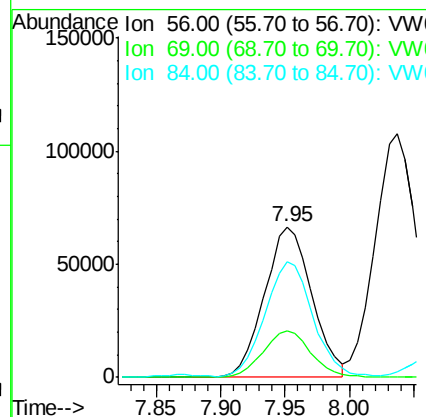
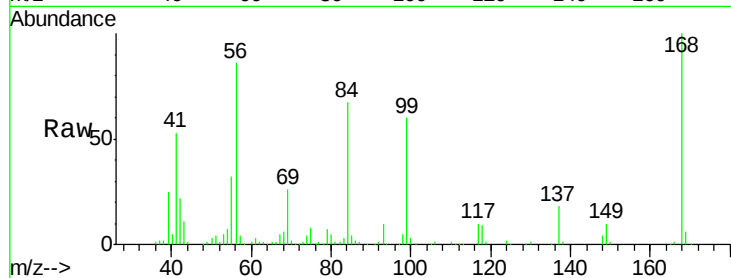
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	169983
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.3	36.5
84	75.9	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.851 ug/l

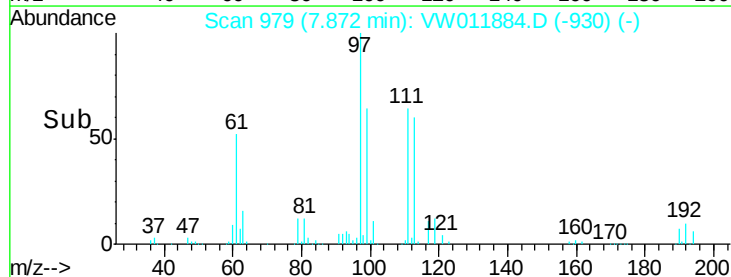
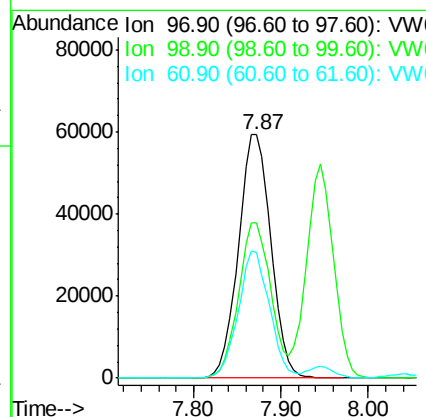
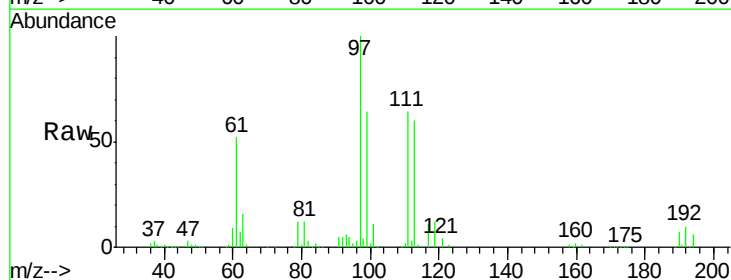
RT: 7.87 min Scan# 979

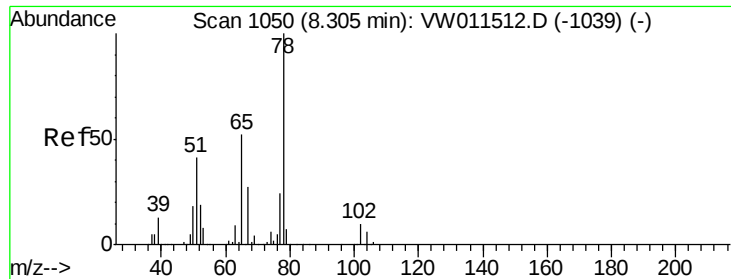
Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion:	97	Resp:	153286
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	50.4	39.8	59.6





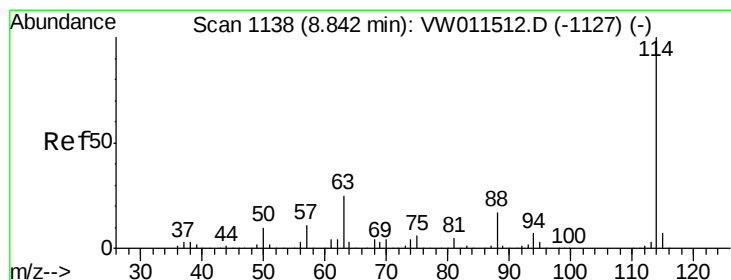
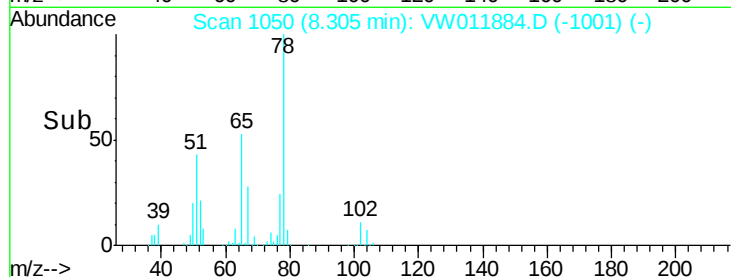
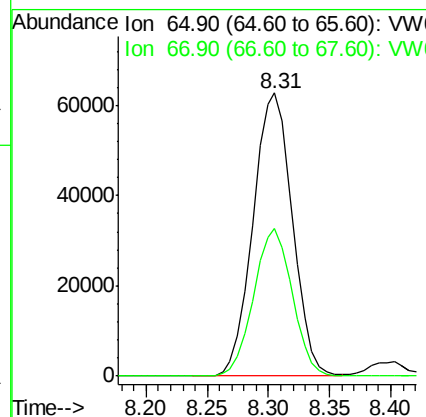
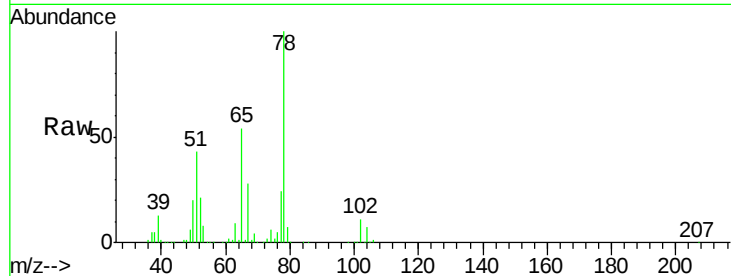
#33
 1,2-Dichloroethane-d4
 Concen: 67.500 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140396		
67	51.1	0.0	105.2	

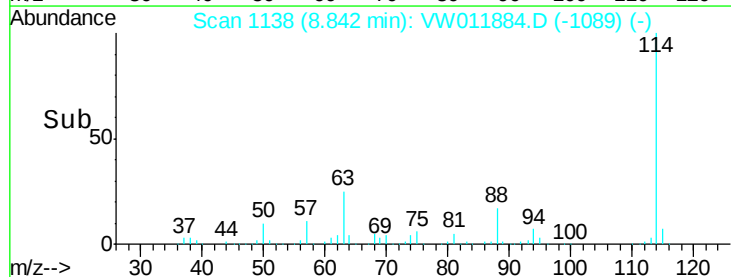
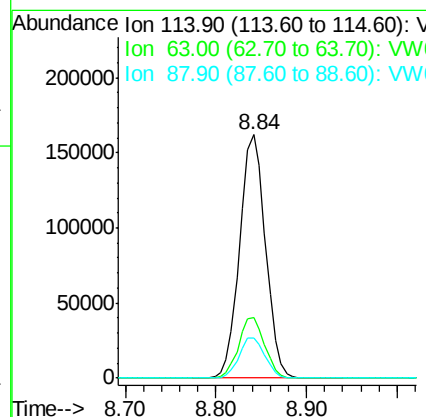
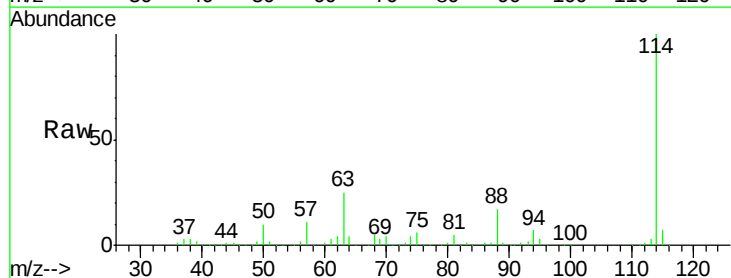
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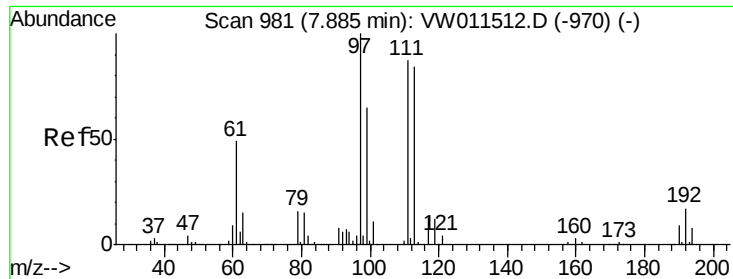
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	320013		
63	25.1	0.0	49.2	
88	16.5	0.0	33.8	





#35

Dibromofluoromethane

Concen: 58.669 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

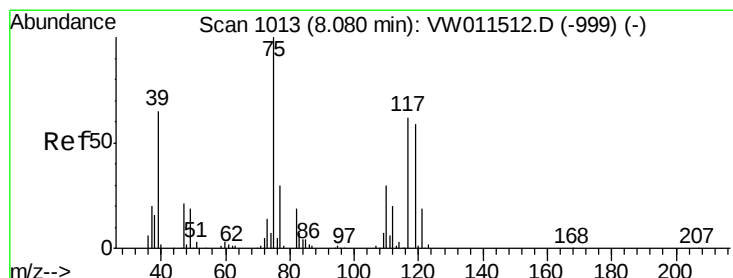
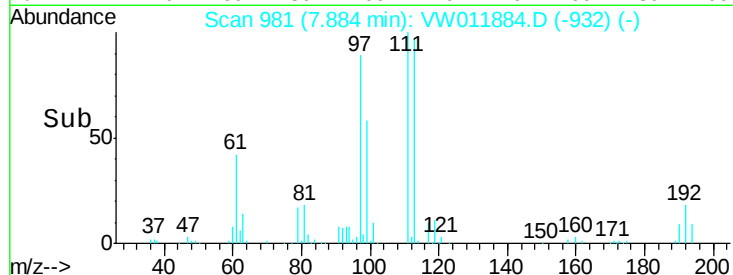
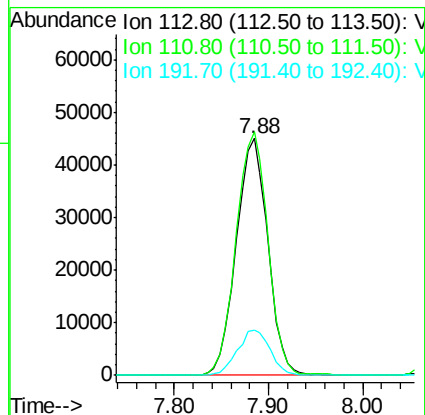
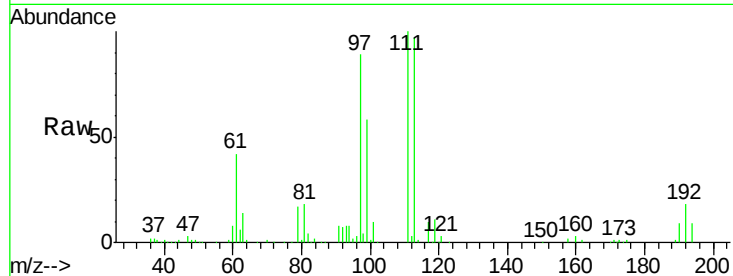
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	105331
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.7	124.1
192	19.8	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 46.685 ug/l

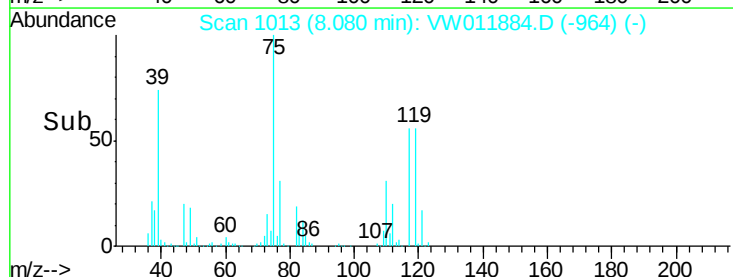
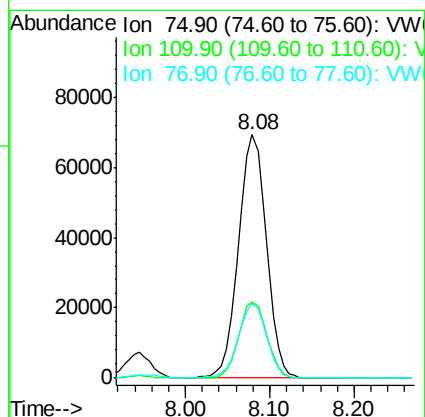
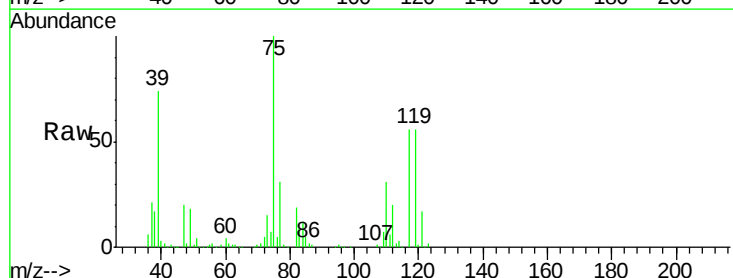
RT: 8.08 min Scan# 1013

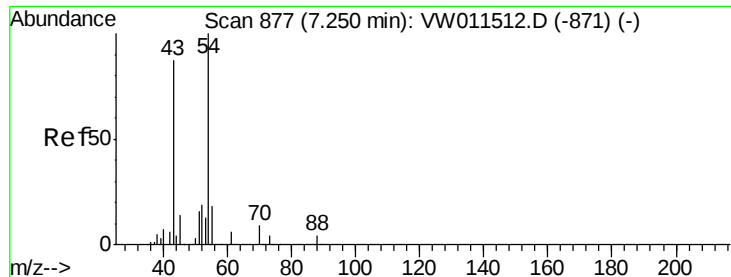
Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion:	75	Resp:	155347
Ion Ratio	Lower	Upper	
75	100		
110	31.3	15.6	46.8
77	30.9	24.3	36.5





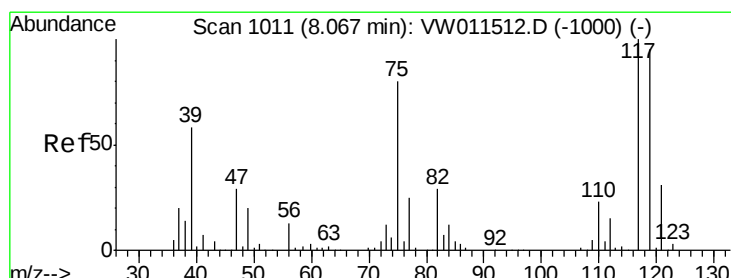
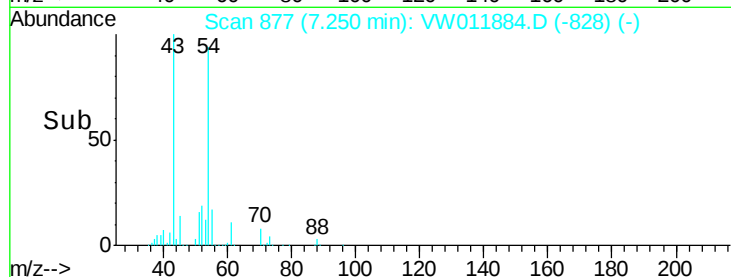
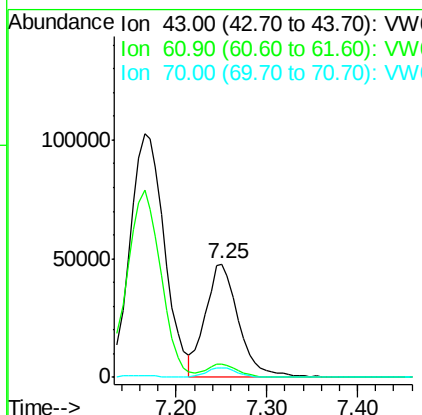
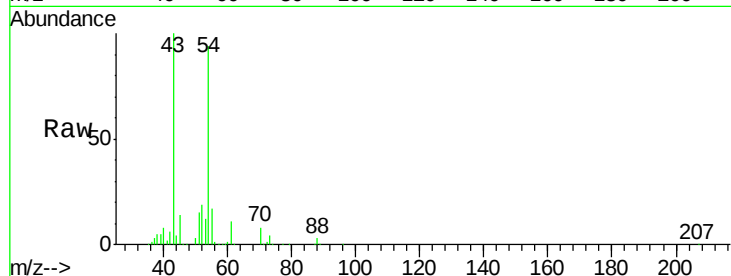
#37
Ethyl Acetate
Concen: 63.038 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.1	8.8	13.2
70	8.3	7.1	10.7

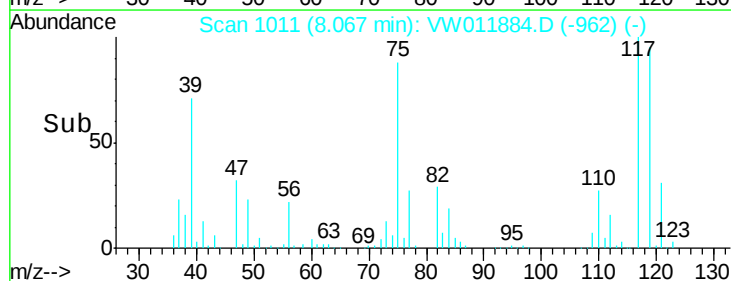
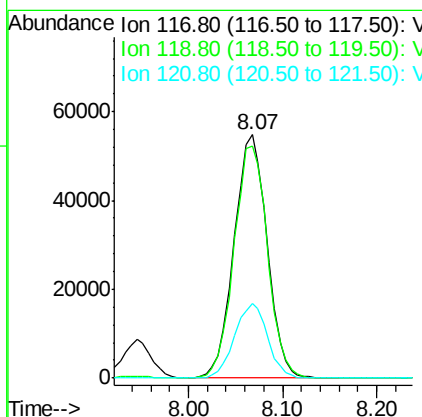
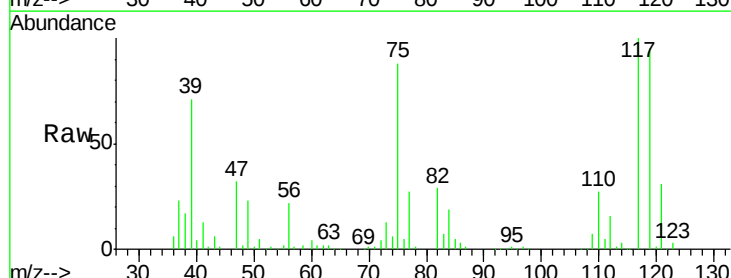
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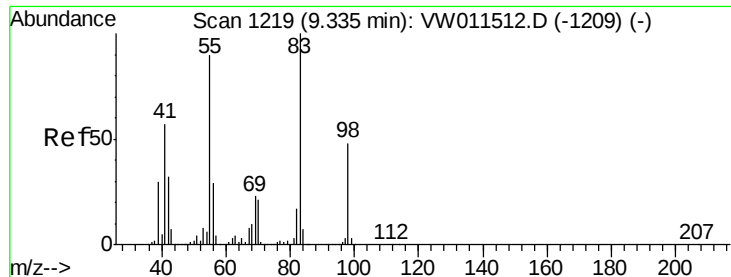
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.121 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.8	113.6
121	30.7	24.7	37.1





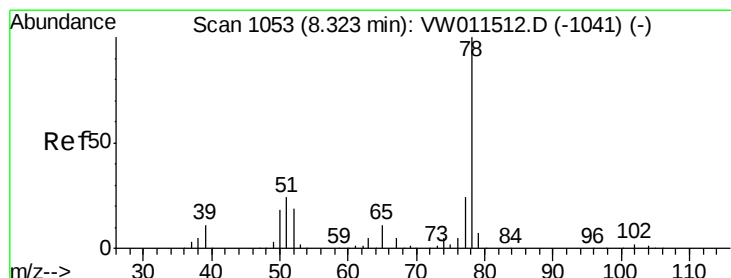
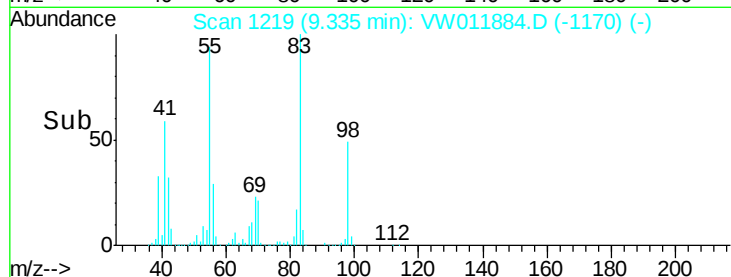
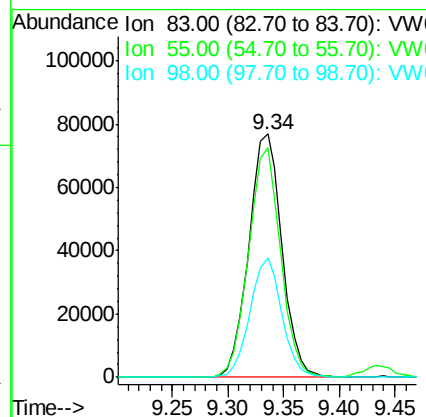
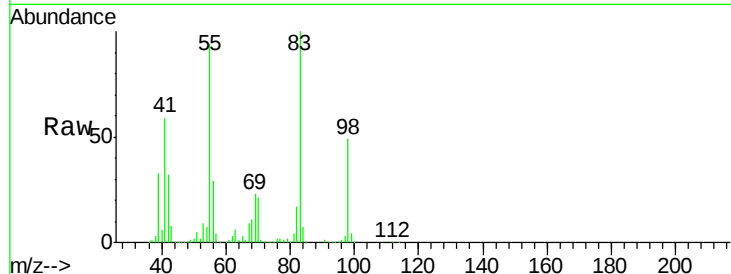
#39
Methvlcvclohexane
Concen: 43.627 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.2	72.1	108.1
98	48.9	38.6	57.8

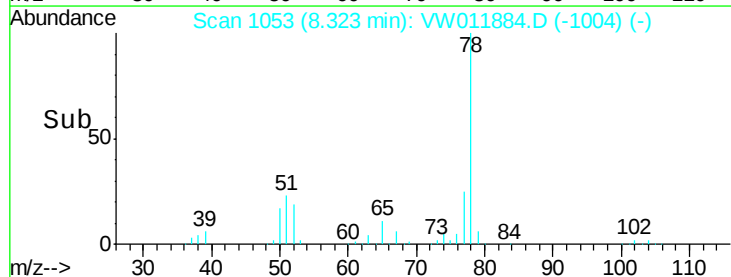
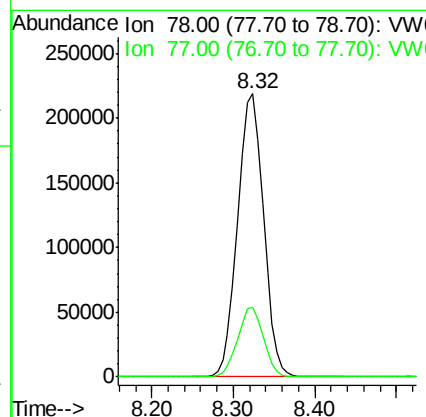
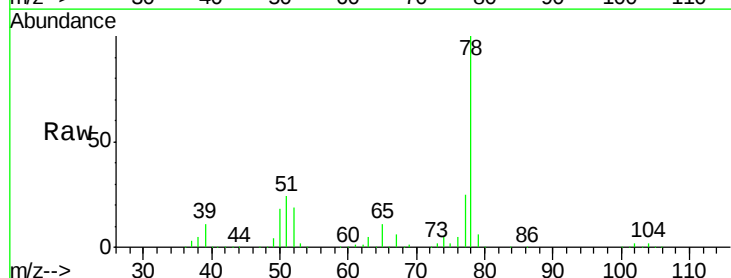
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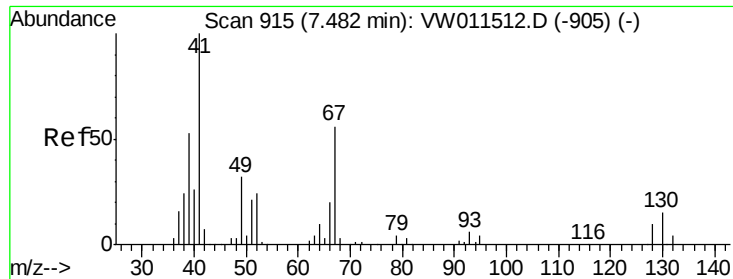
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#40
Benzene
Concen: 51.616 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.4	29.0





#41

Methacrylonitrile

Concen: 65.804 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 75305

Ion Ratio Lower Upper

41 100

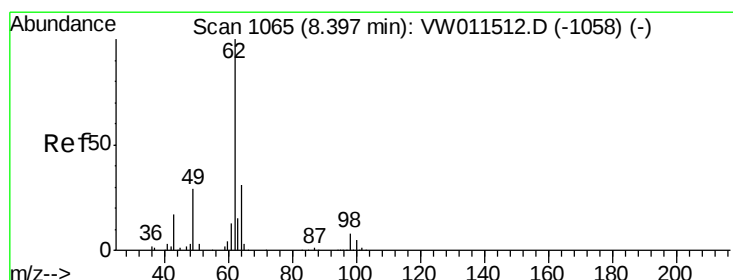
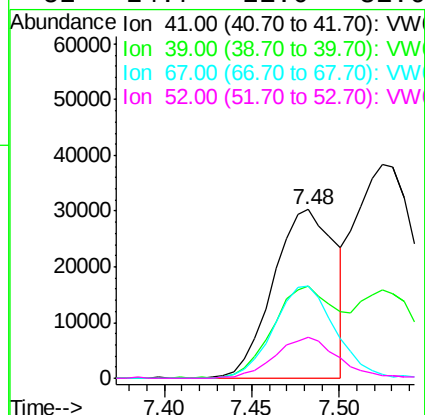
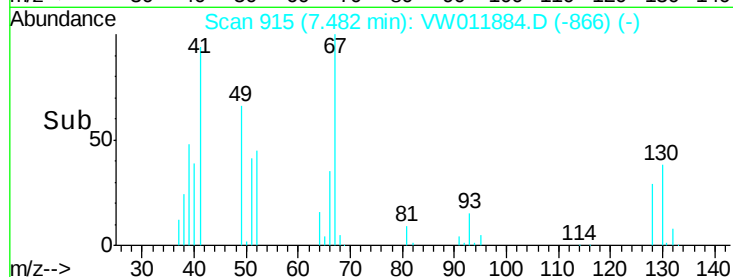
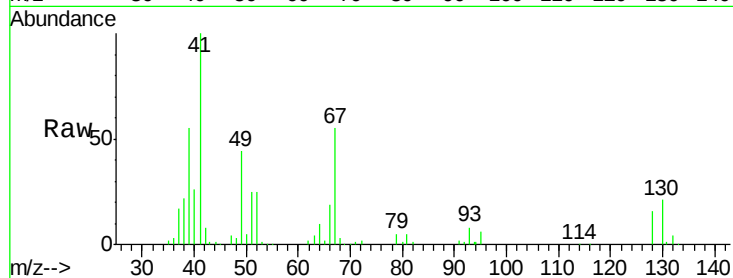
39 59.3 43.0 64.4

67 54.7 47.5 71.3

52 24.7 21.0 31.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 59.492 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011884.D

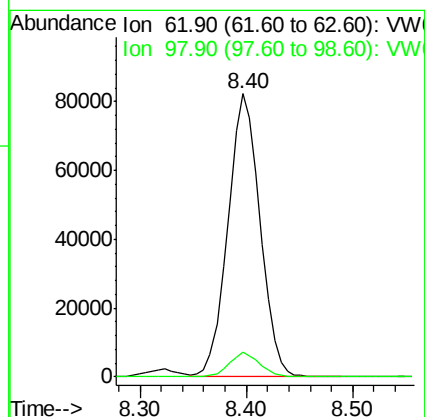
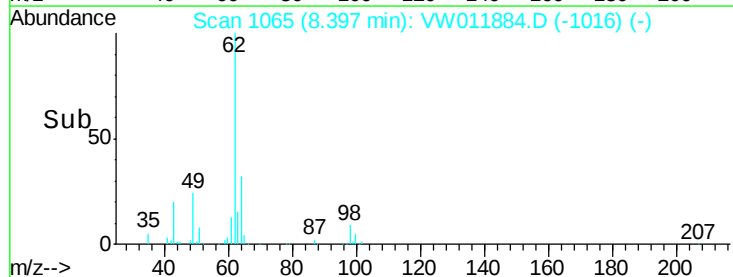
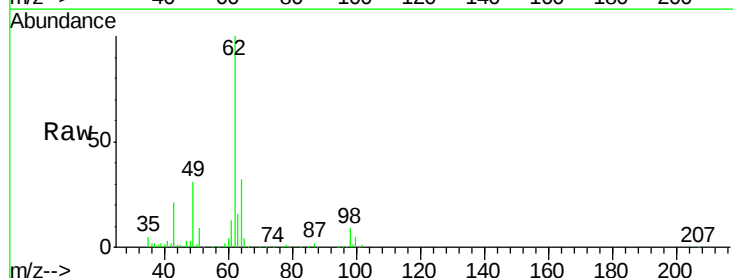
Acq: 13 Aug 2019 06:45

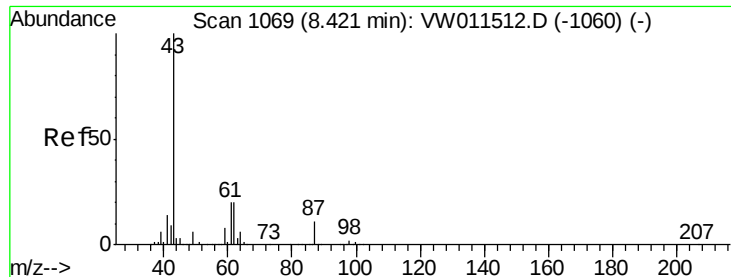
Tgt Ion: 62 Resp: 173607

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.8





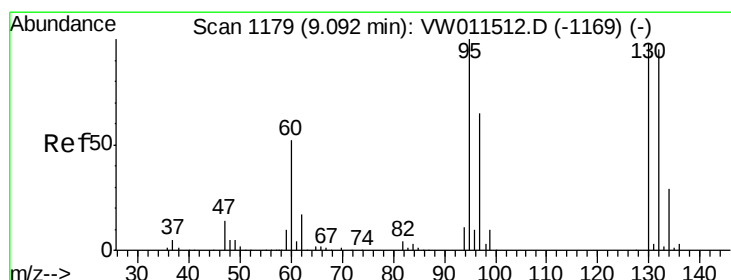
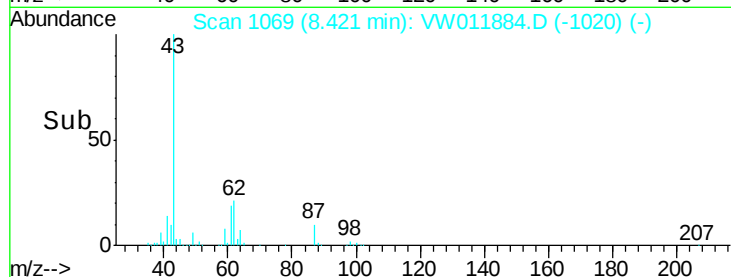
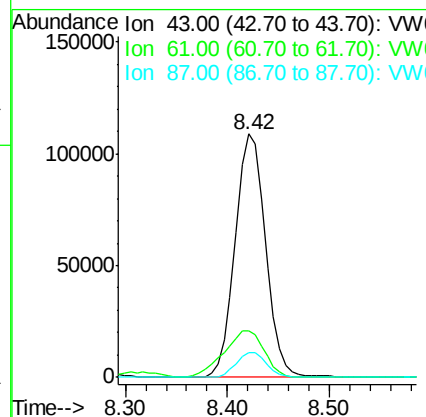
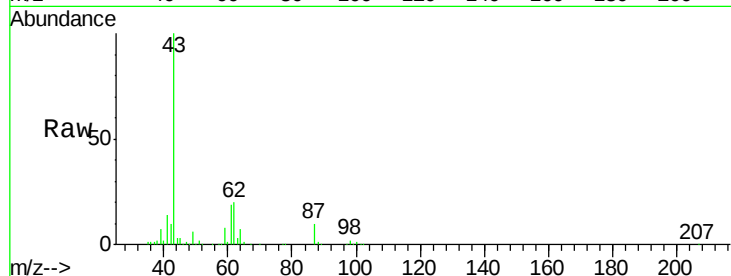
#43
Isopropyl Acetate
Concen: 63.689 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	21.5	32.3
87	10.3	8.4	12.6

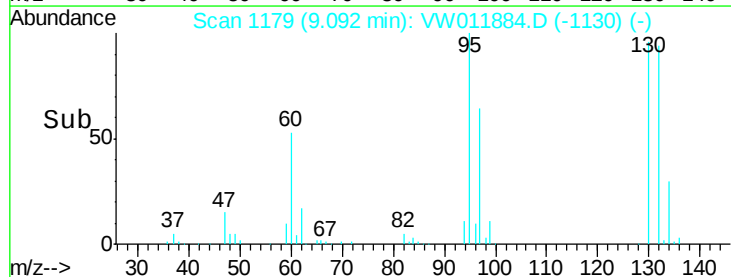
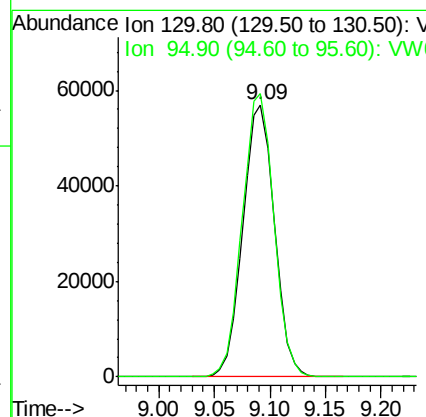
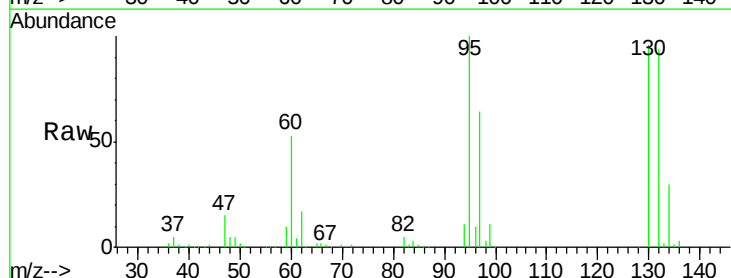
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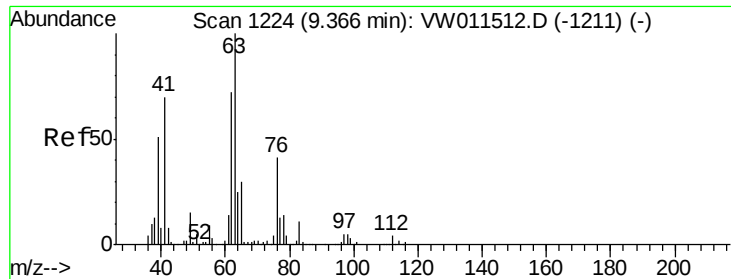
MMDadoda
8/13/2019 2:37:03 PM



#44
Trichloroethene
Concen: 50.231 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	204.8





#45

1,2-Dichloropropane

Concen: 55.526 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 138477

Ion Ratio Lower Upper

63 100

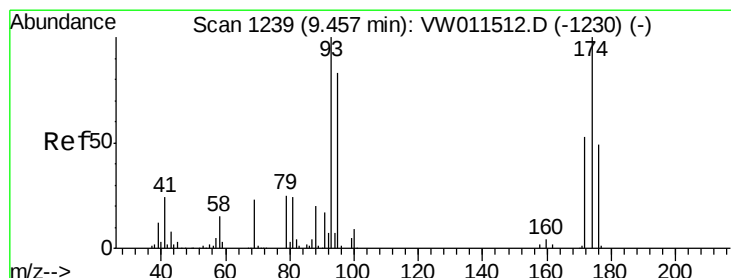
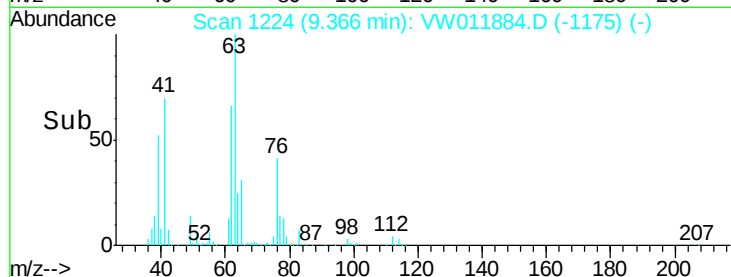
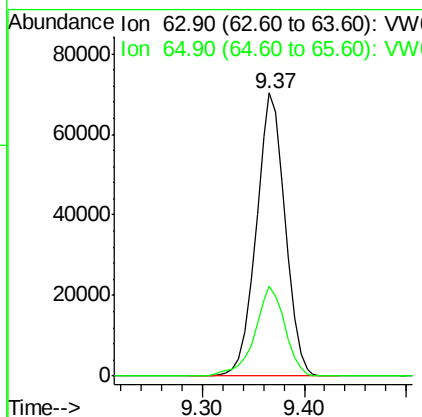
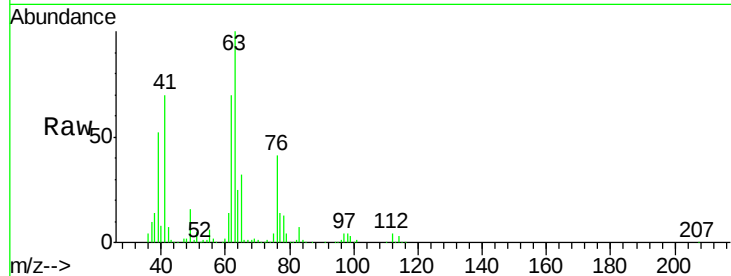
65 31.9 24.2 36.4

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#46

Dibromomethane

Concen: 59.588 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

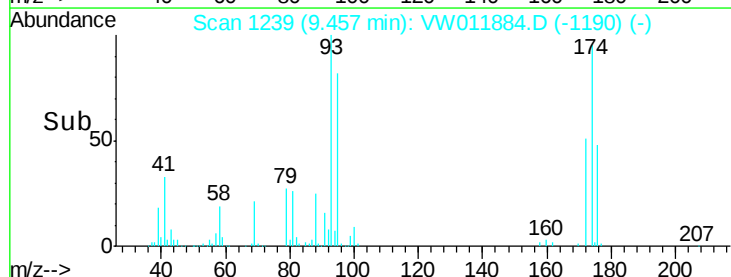
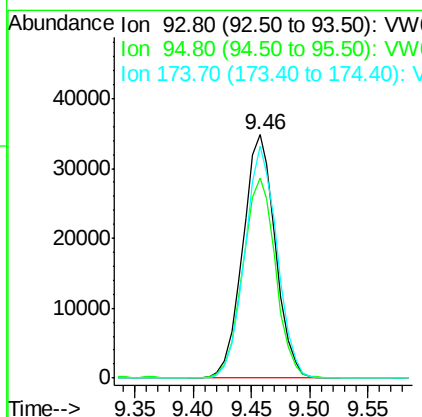
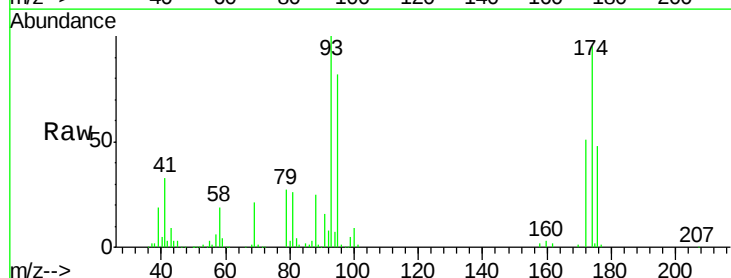
Tgt Ion: 93 Resp: 67827

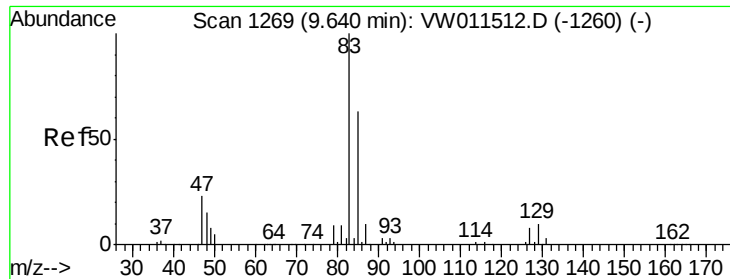
Ion Ratio Lower Upper

93 100

95 82.6 66.2 99.2

174 94.2 78.2 117.4





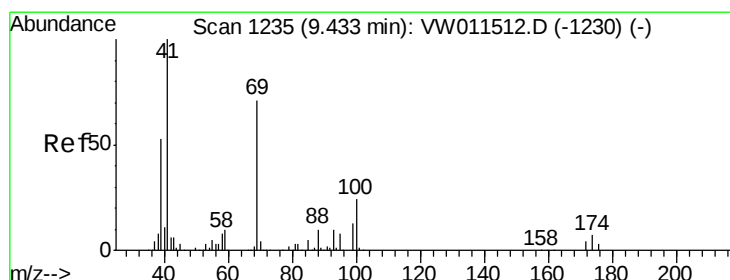
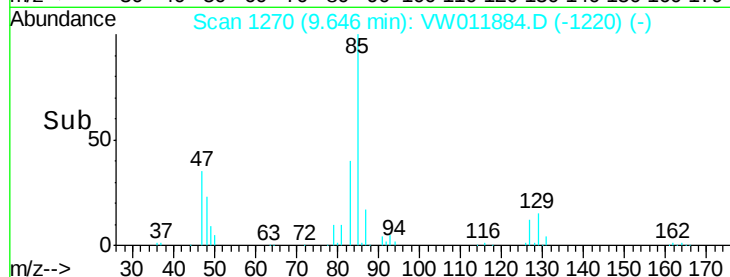
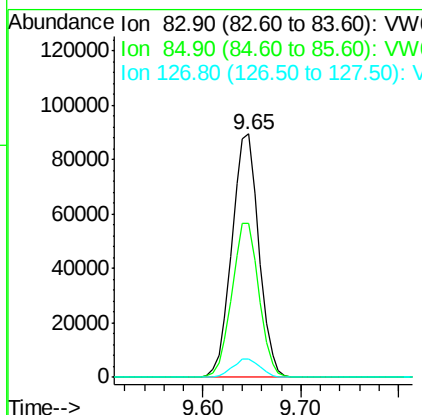
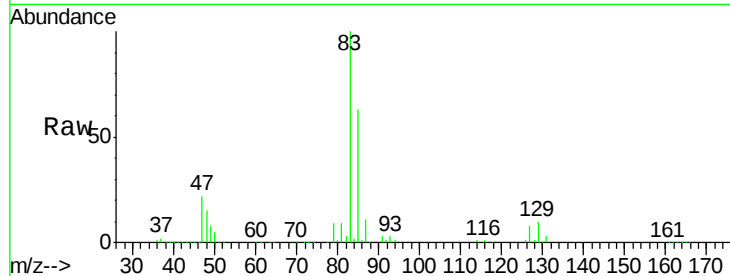
#47
Bromodichloromethane
Concen: 57.293 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.5	75.7
127	7.8	6.4	9.6

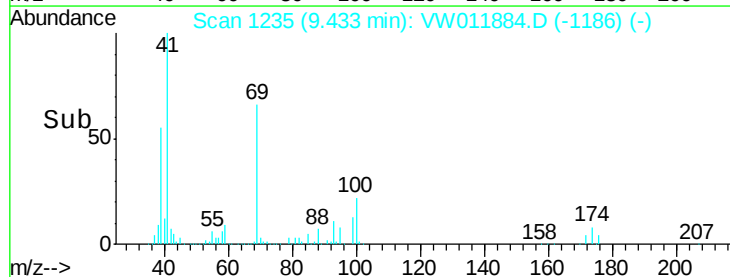
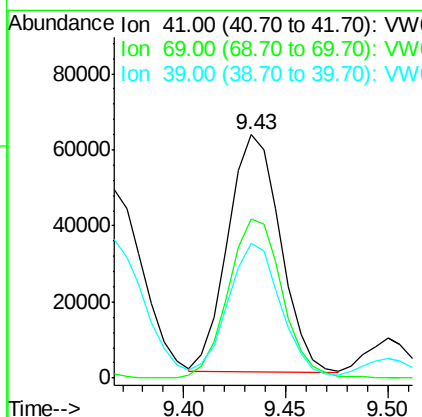
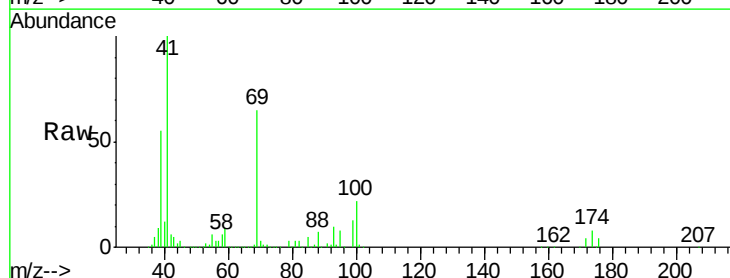
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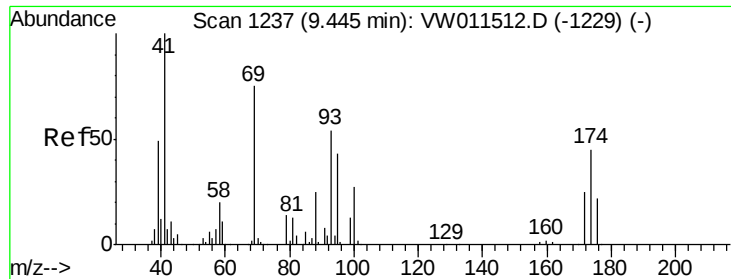
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8/13/2019 2:37:03 PM



#48
Methyl methacrylate
Concen: 65.687 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.7	57.1	85.7
39	57.5	45.4	68.2





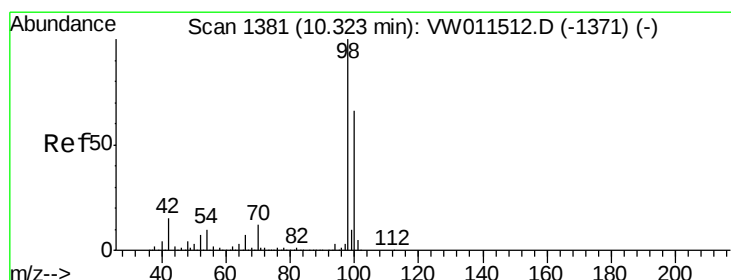
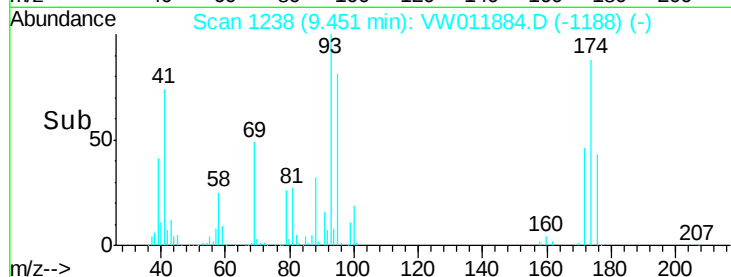
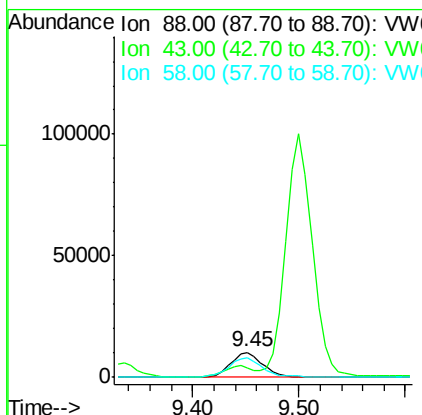
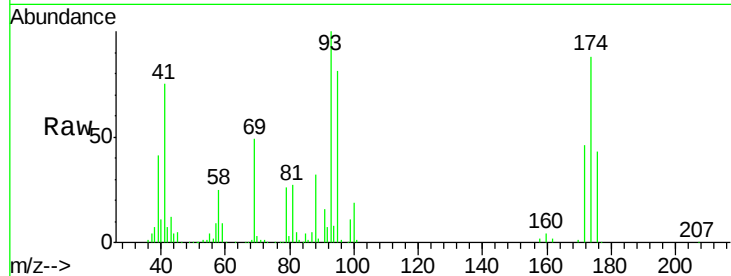
#49
1,4-Dioxane
Concen: 1310.273 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion: 88 Resp: 21595
Ion Ratio Lower Upper
88 100
43 41.6 34.0 51.0
58 85.4 69.7 104.5

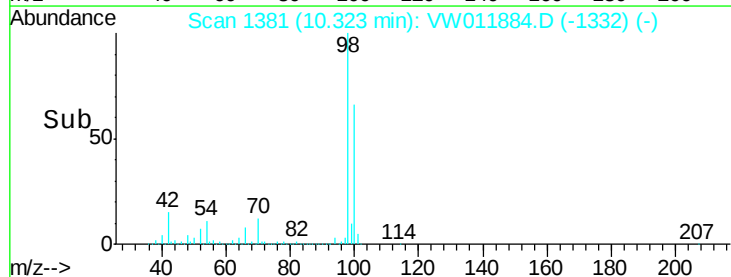
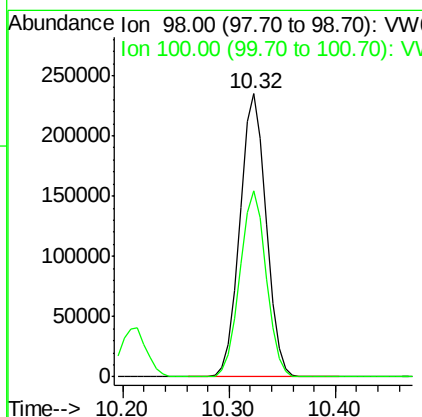
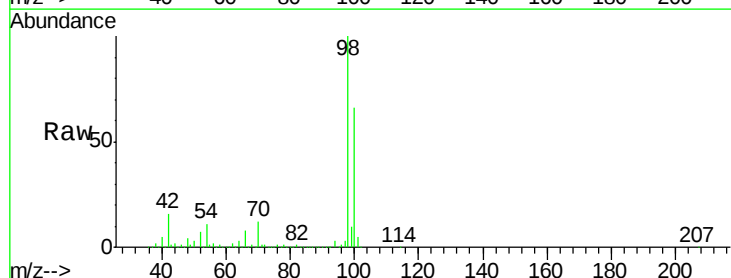
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#50
Toluene-d8
Concen: 55.490 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion: 98 Resp: 407884
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 333.434 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 610628

Ion Ratio Lower Upper

43 100

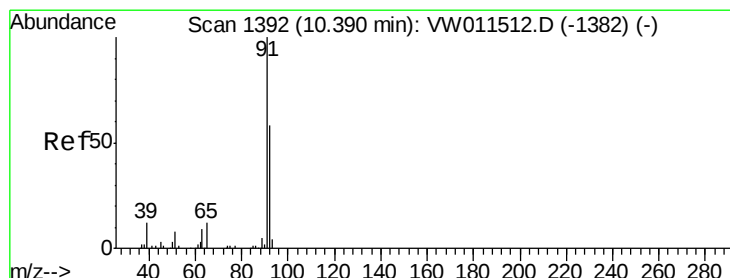
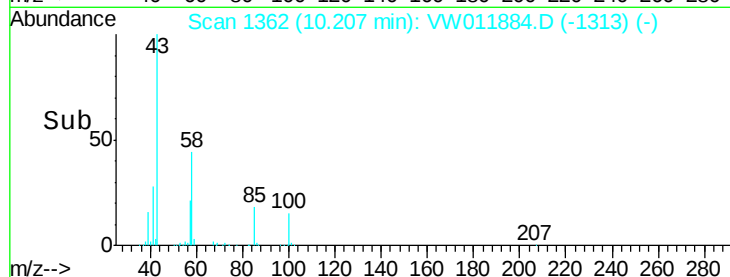
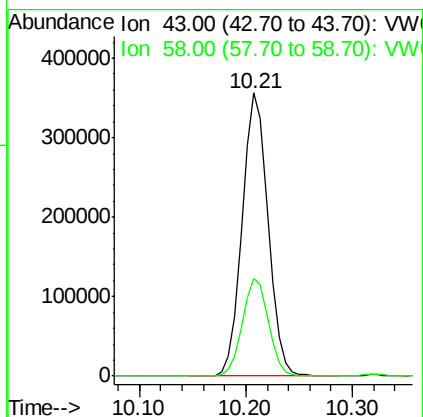
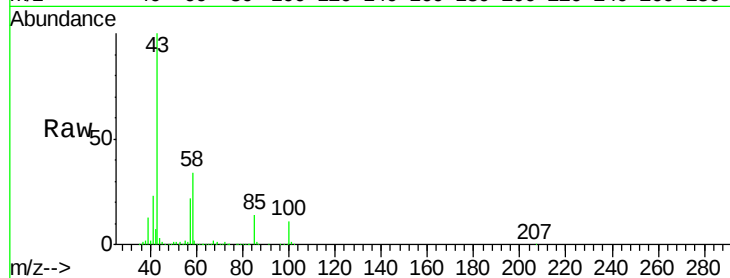
58 34.7 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 52.402 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011884.D

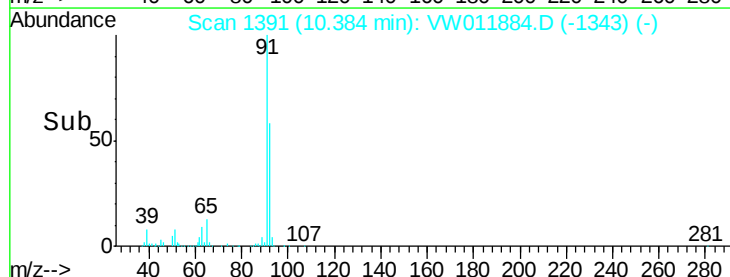
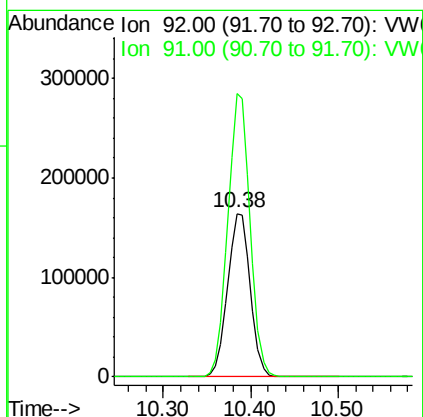
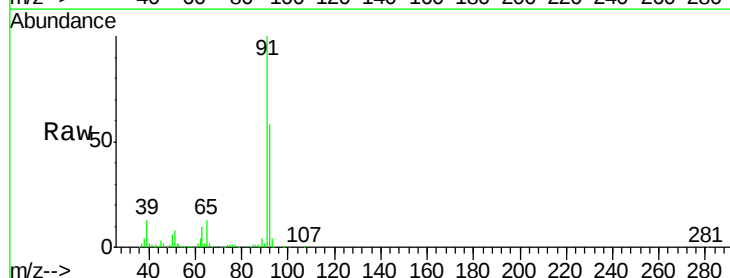
Acq: 13 Aug 2019 06:45

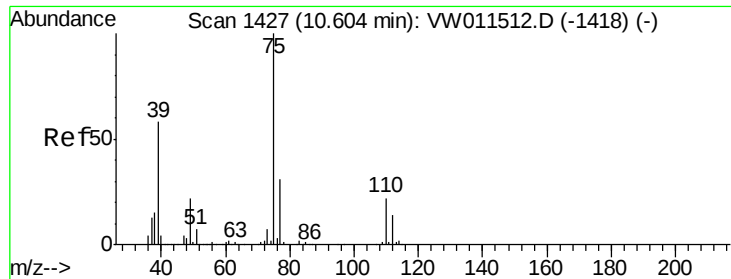
Tgt Ion: 92 Resp: 294956

Ion Ratio Lower Upper

92 100

91 170.4 136.7 205.1





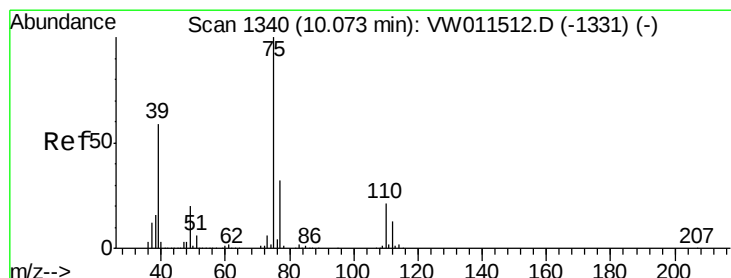
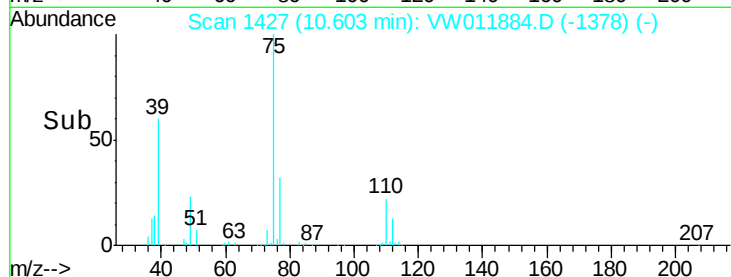
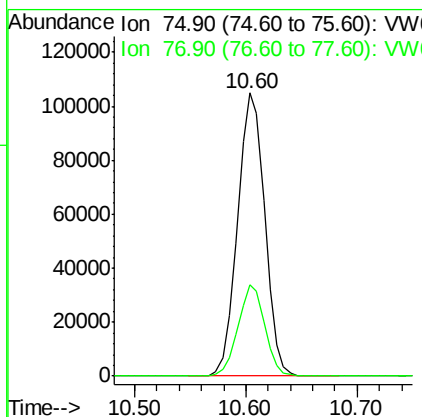
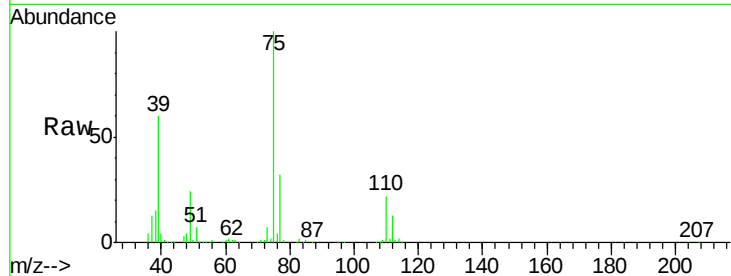
#53
 t-1,3-Dichloropropene
 Concen: 56.782 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 177104
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.4

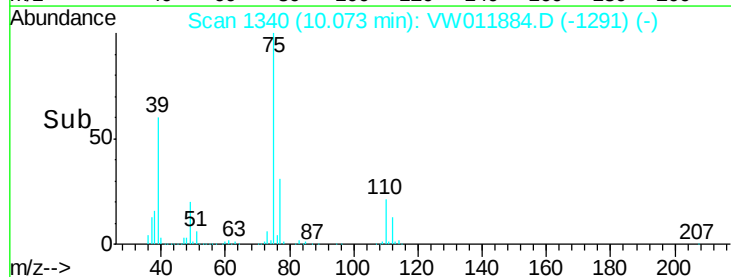
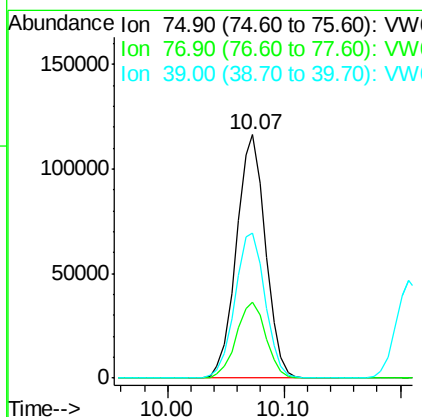
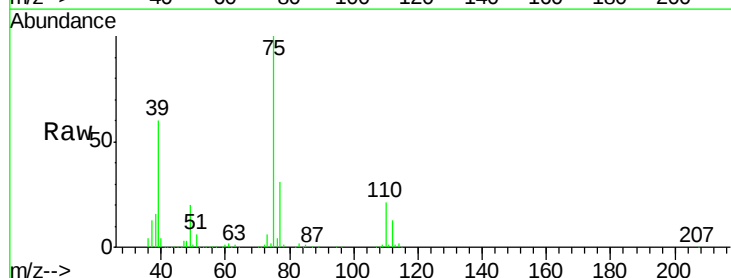
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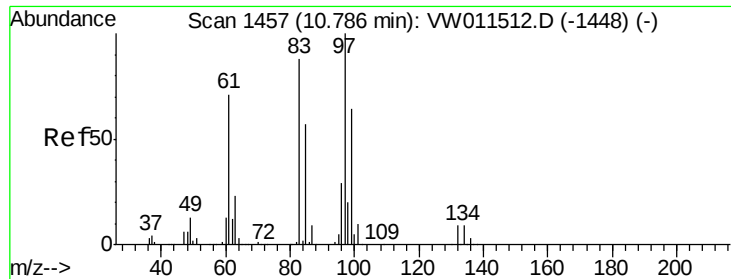
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#54
 cis-1,3-Dichloropropene
 Concen: 54.738 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 75 Resp: 202995
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.6 38.4
 39 59.6 47.0 70.4





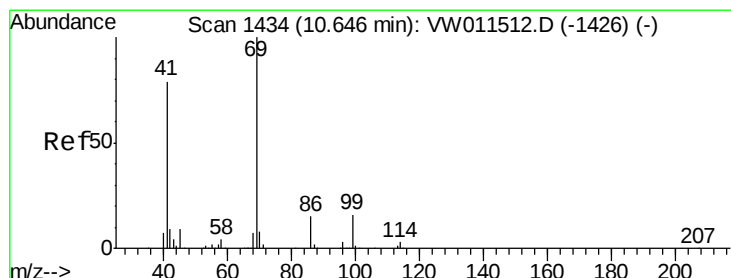
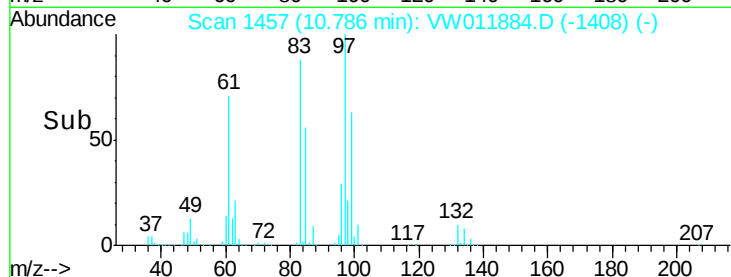
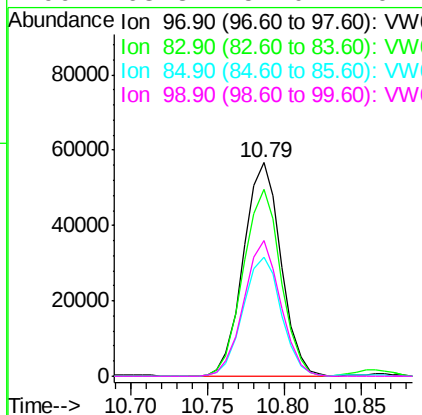
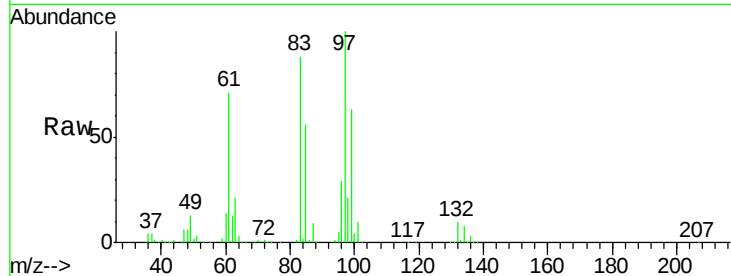
#55
 1,1,2-Trichloroethane
 Concen: 60.000 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	96902
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.5	105.7
85	55.7	45.8	68.6
99	63.3	51.0	76.4

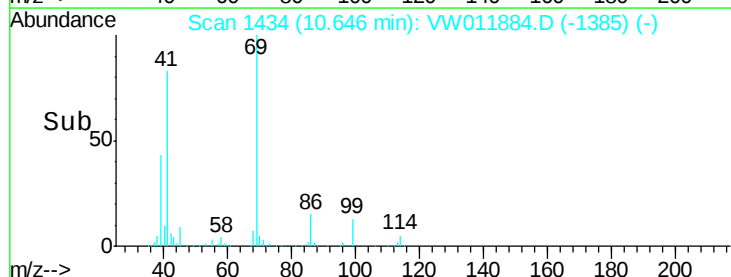
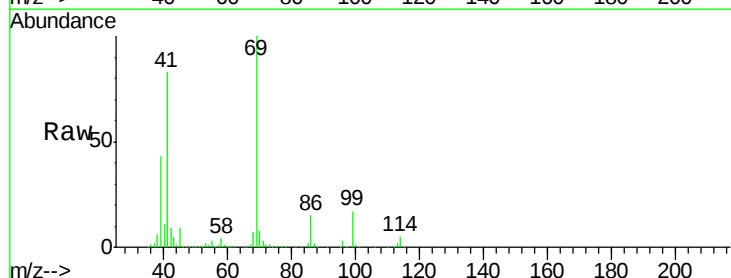
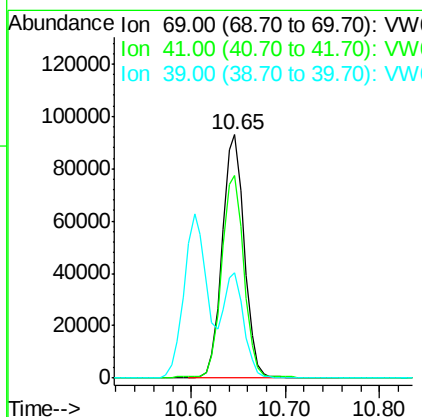
Manual Integrations
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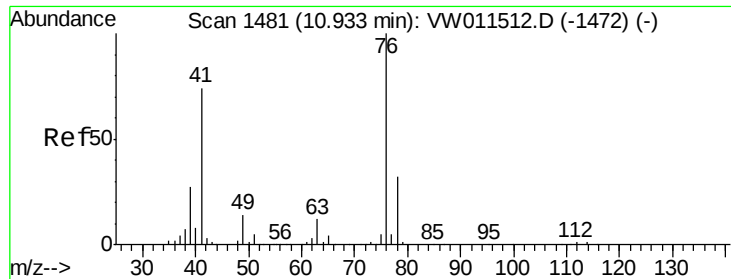
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#56
 Ethyl methacrylate
 Concen: 63.813 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion:	69	Resp:	150808
Ion	Ratio	Lower	Upper
69	100		
41	83.9	66.6	99.8
39	38.8	30.3	45.5





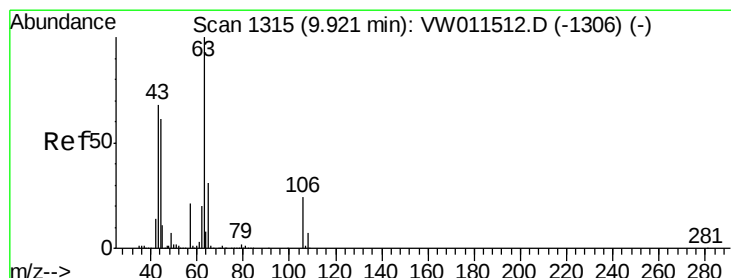
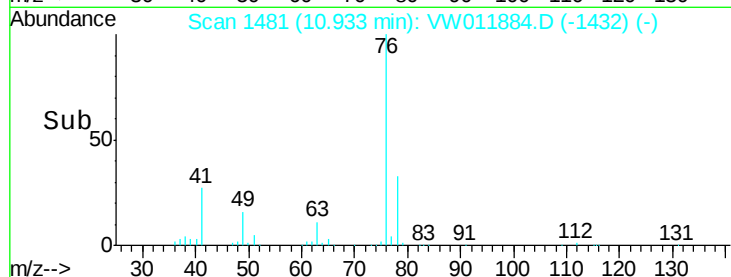
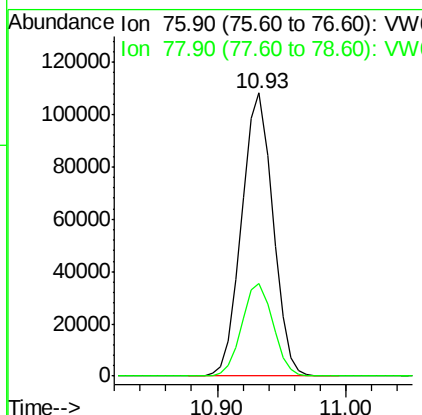
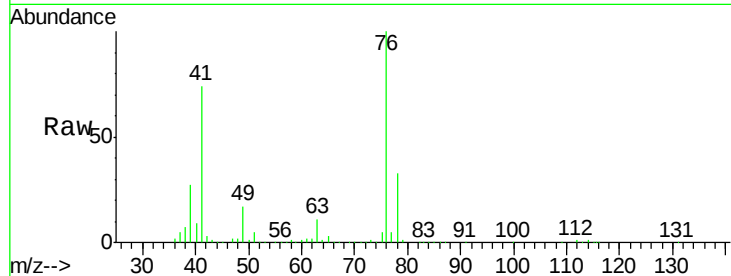
#57
 1,3-Dichloropropane
 Concen: 59.639 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 182226
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.2 37.8

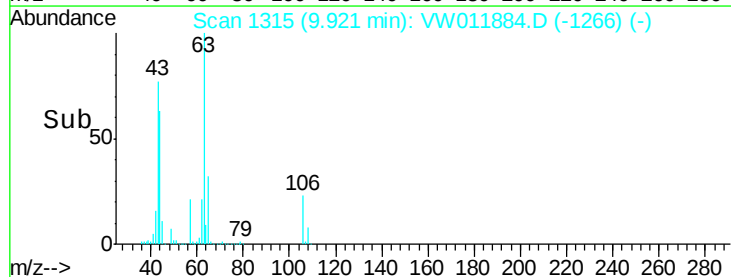
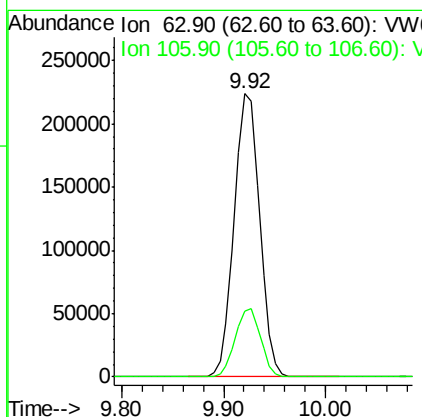
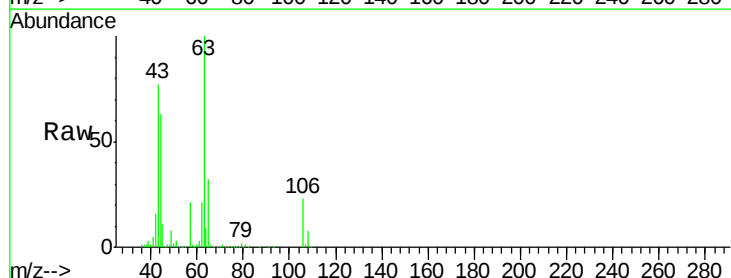
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#58
 2-Chloroethyl Vinyl ether
 Concen: 360.274 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 63 Resp: 386585
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5





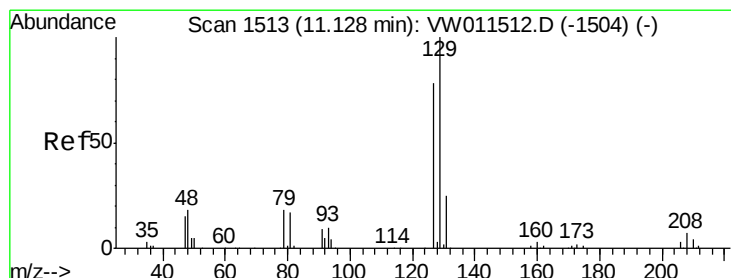
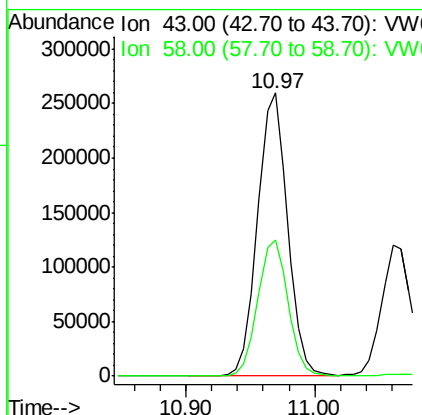
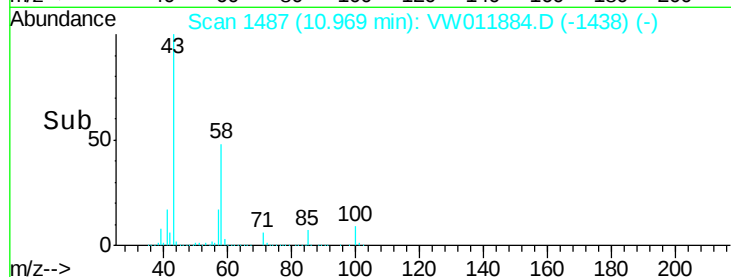
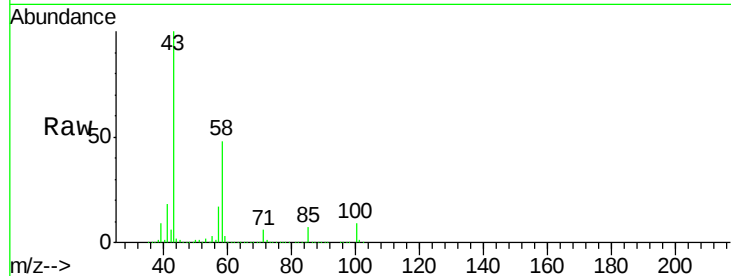
#59
2-Hexanone
Concen: 322.067 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 416445
Ion Ratio Lower Upper
43 100
58 48.6 24.3 72.9

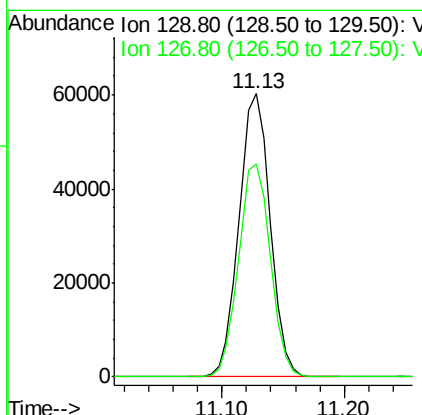
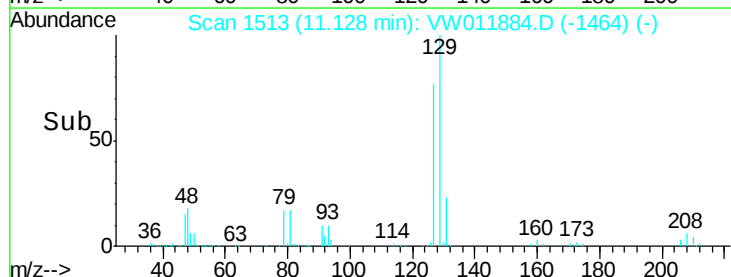
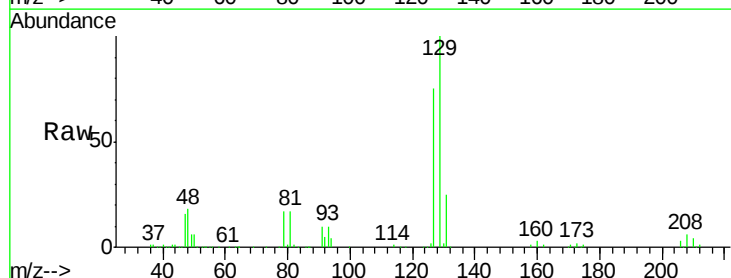
Manual Integrations
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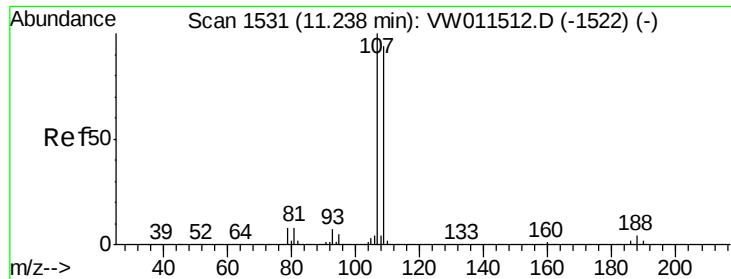
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#60
Dibromochloromethane
Concen: 59.540 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion:129 Resp: 106738
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





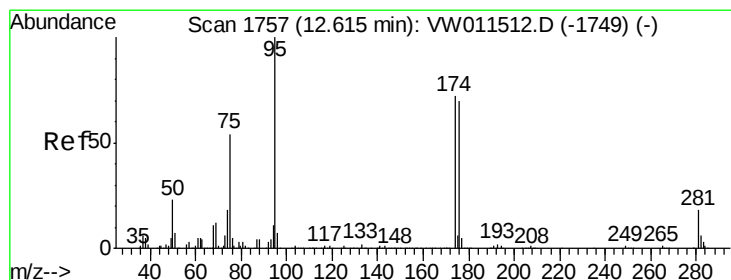
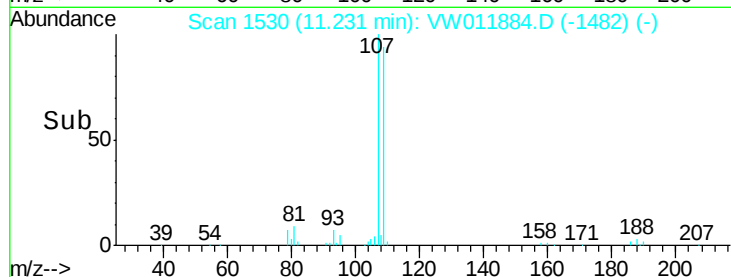
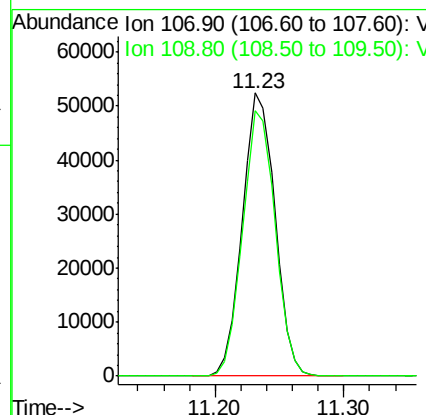
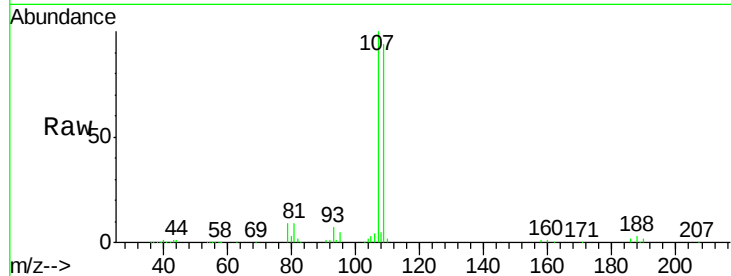
#61
 1,2-Dibromoethane
 Concen: 60.183 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.0	112.6

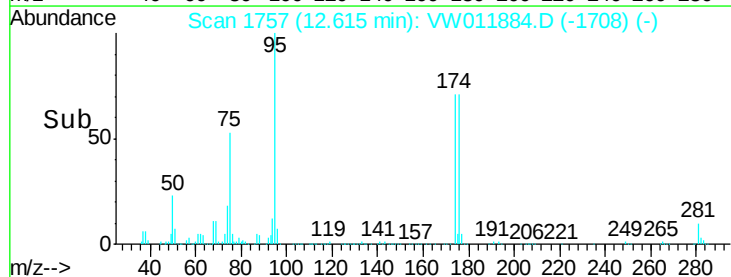
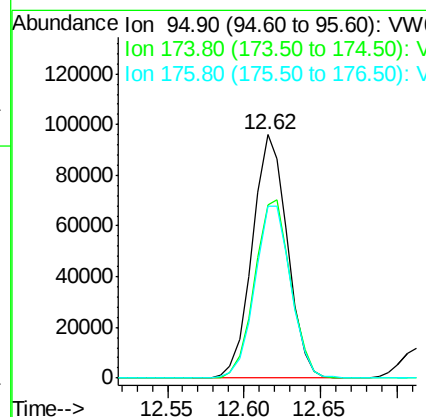
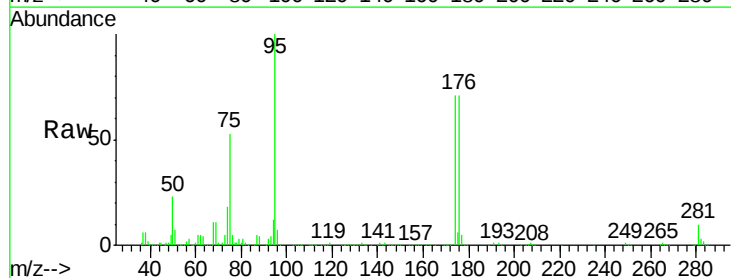
Manual Integrations
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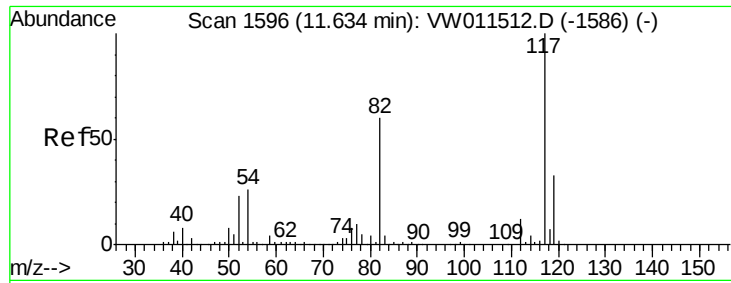
MMDadoda
 8/13/2019 2:37:03 PM



#62
 4-Bromofluorobenzene
 Concen: 58.285 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.2
176	72.7	0.0	144.4





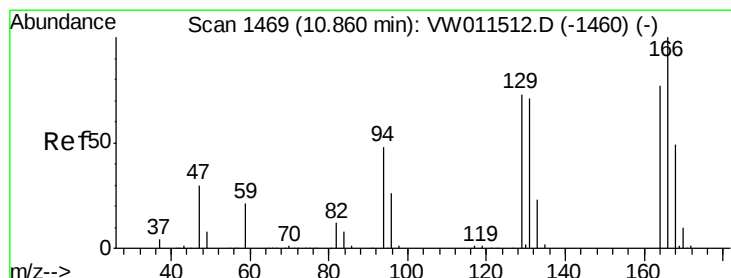
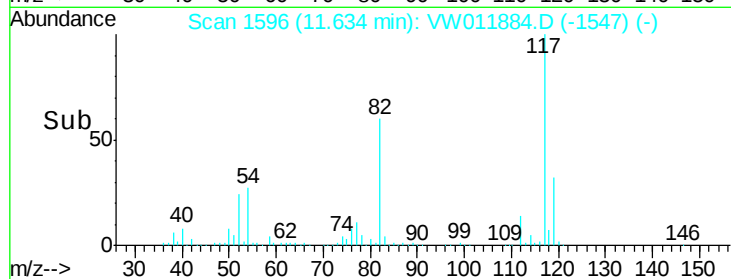
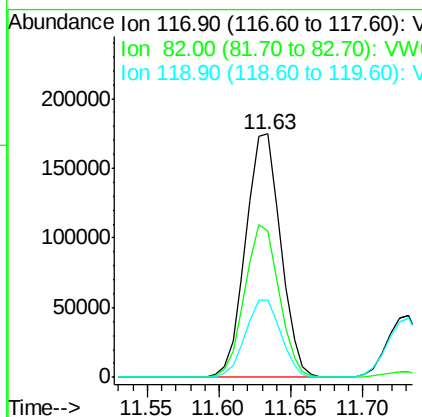
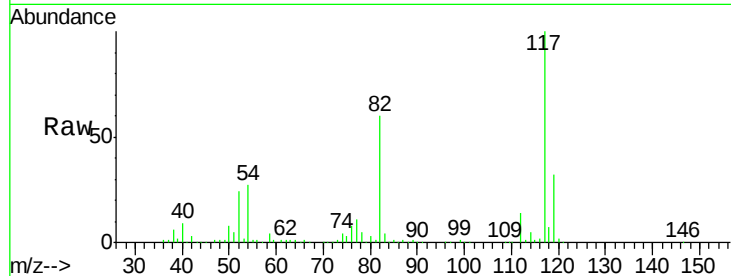
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294394		
82	60.2	47.9	71.9	
119	31.8	26.2	39.2	

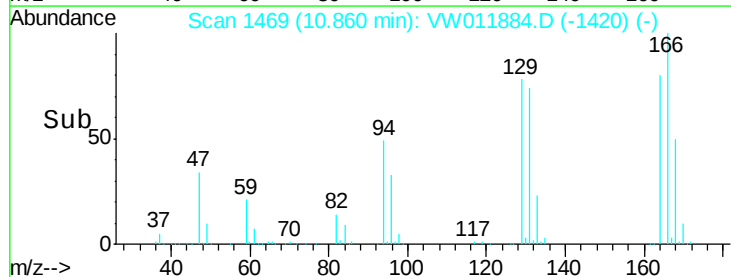
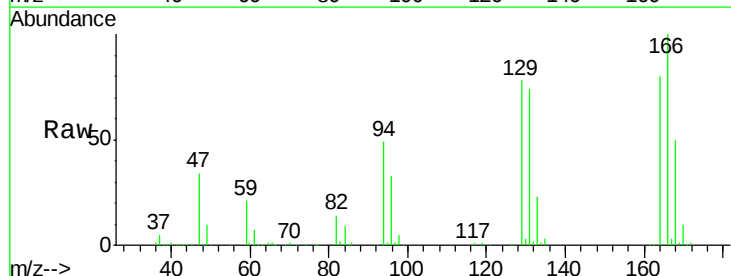
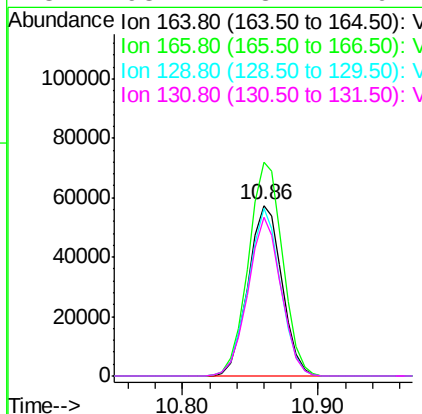
Manual Integrations
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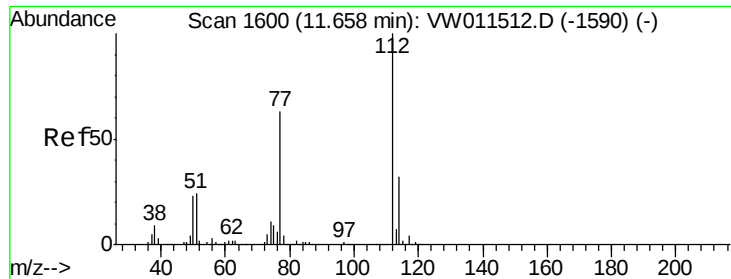
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#64
Tetrachloroethene
Concen: 52.122 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	99908		
166	125.3	103.5	155.3	
129	98.1	75.2	112.8	
131	93.2	73.4	110.2	





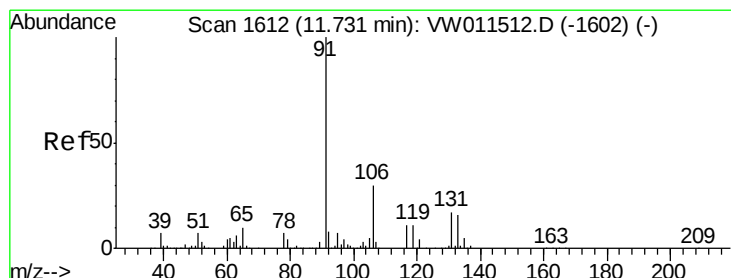
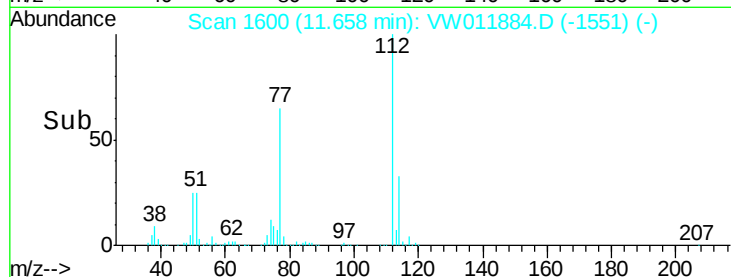
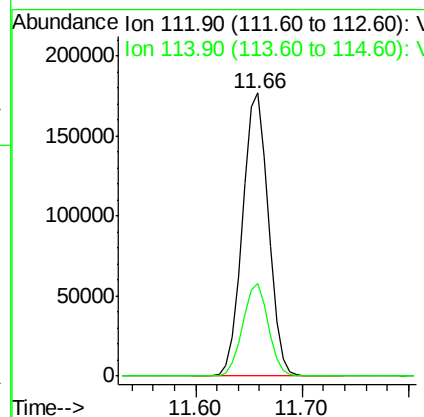
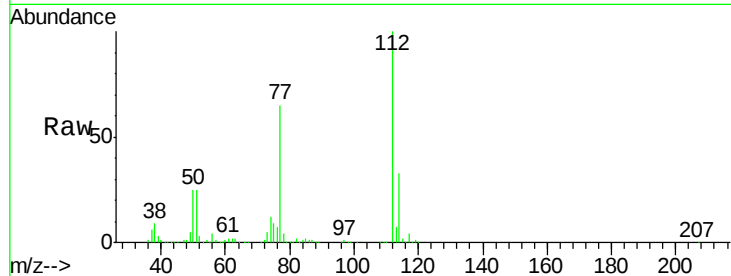
#65
Chlorobenzene
Concen: 51.081 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	302331		
114	32.6	25.6	38.4	

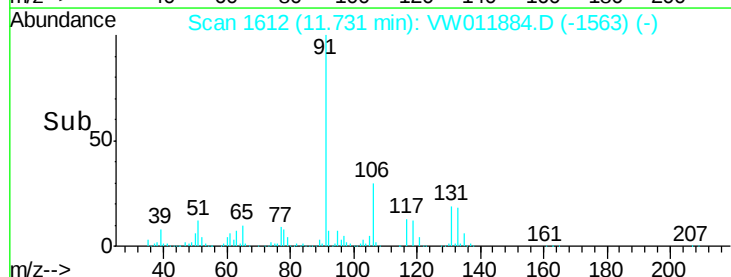
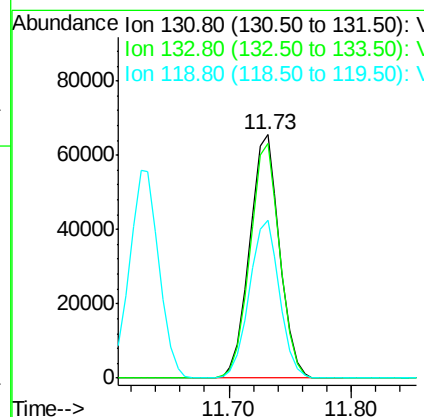
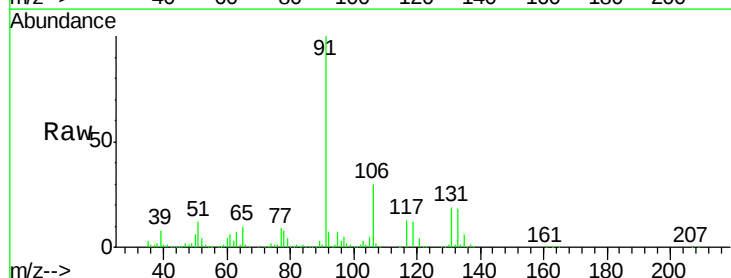
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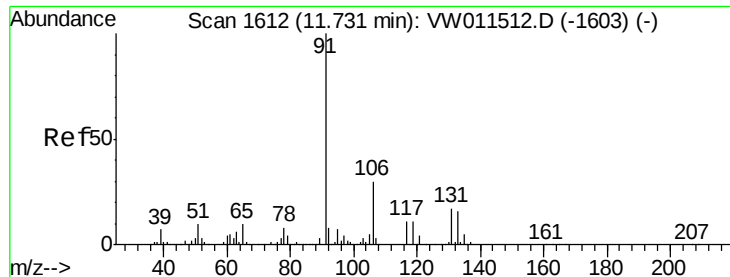
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.041 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	111413		
133	95.4	47.4	142.2	
119	65.1	32.3	96.9	





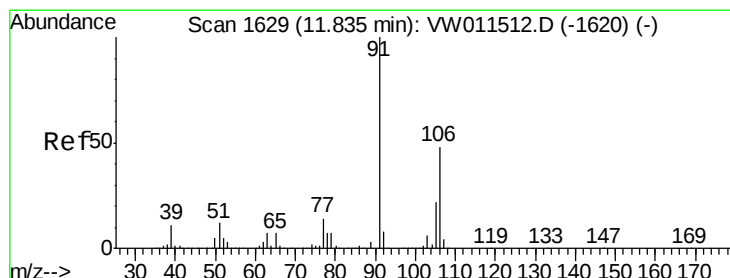
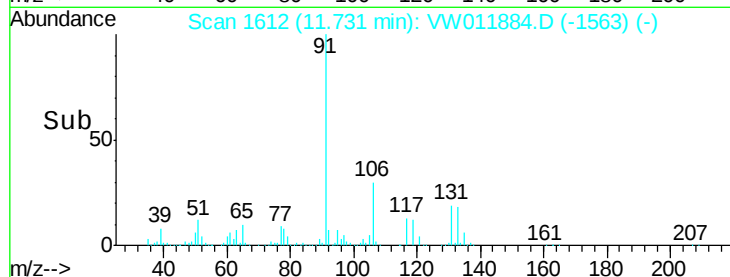
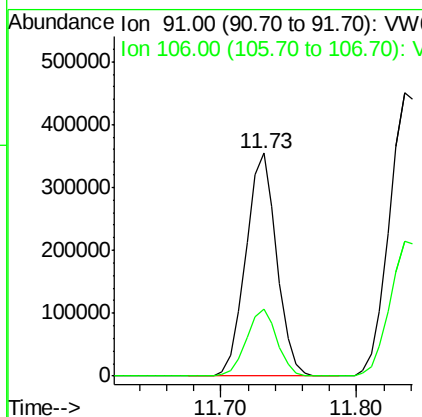
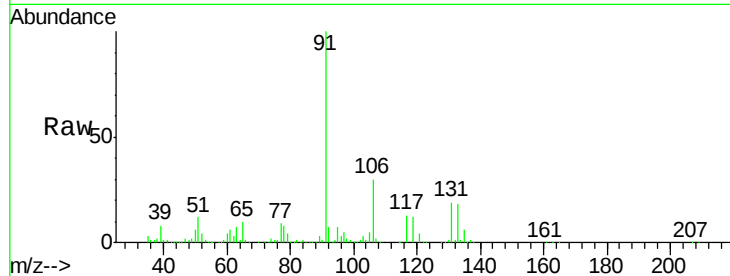
#67
Ethyl Benzene
Concen: 49.885 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.8	35.6

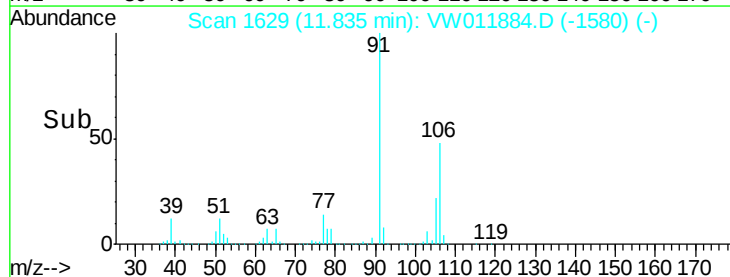
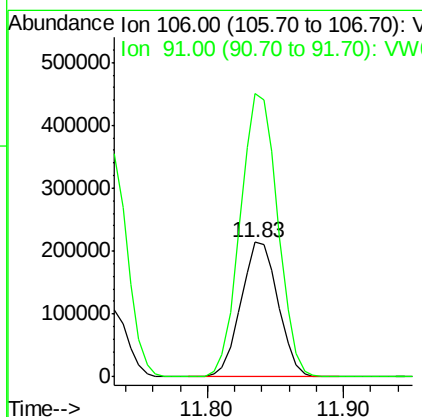
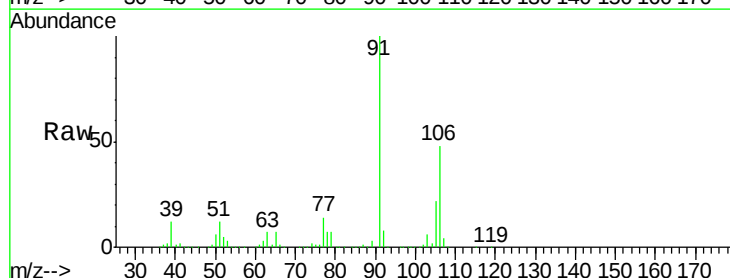
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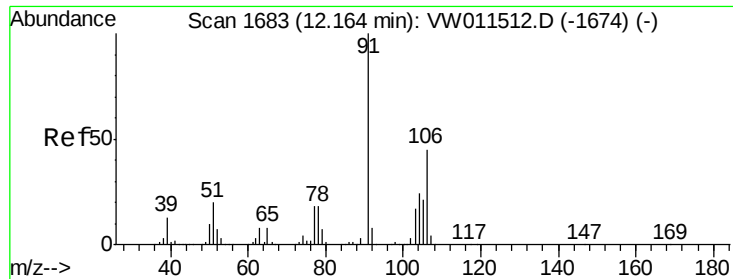
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#68
m/p-Xylenes
Concen: 99.677 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.0	168.2	252.2





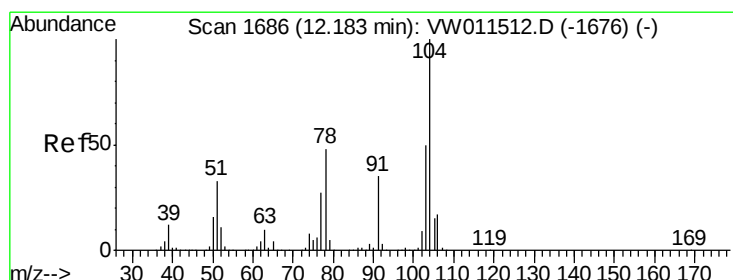
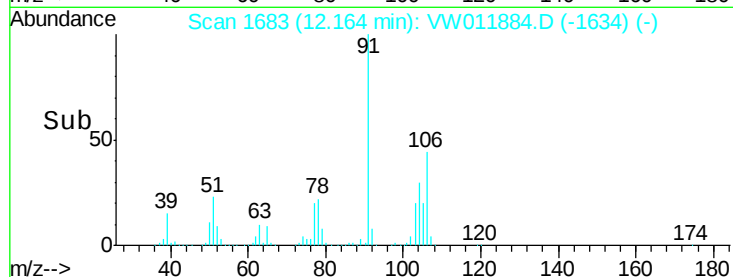
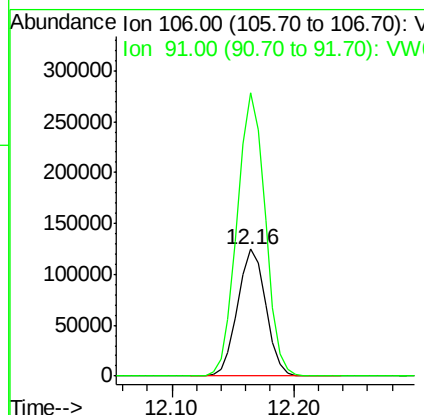
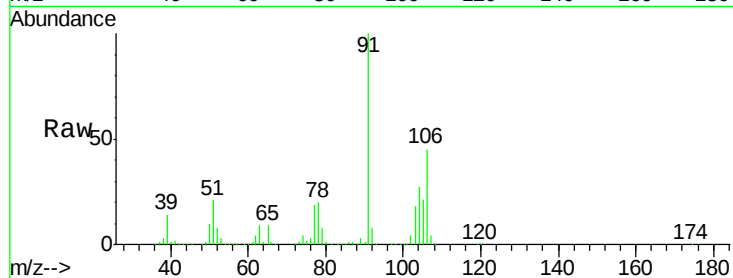
#69
o-Xylene
Concen: 52.026 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		198190		
91	223.1	110.5	331.5		

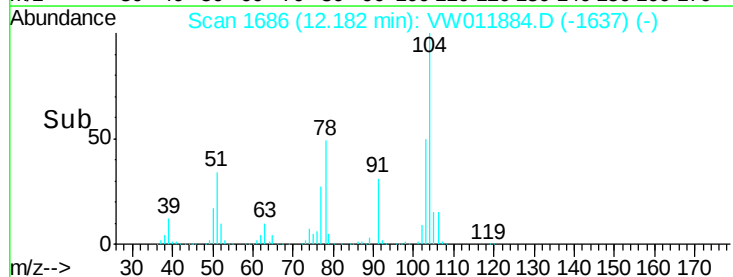
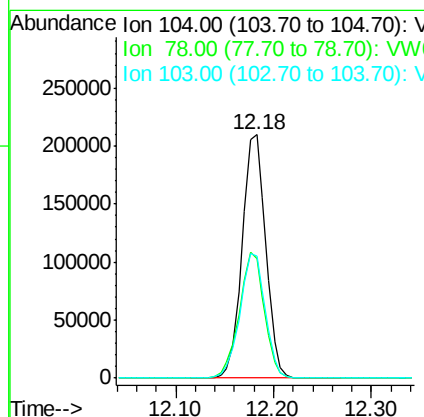
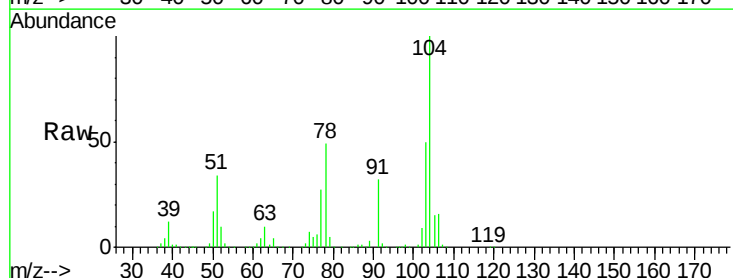
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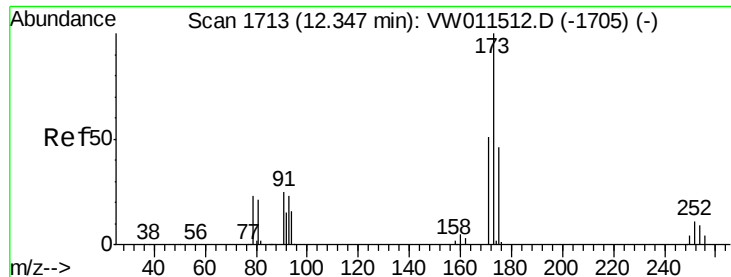
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#70
Styrene
Concen: 53.206 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		350446		
78	54.9	43.4	65.0		
103	54.9	43.9	65.9		





#71

Bromoform

Concen: 59.695 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 62748

Ion Ratio Lower Upper

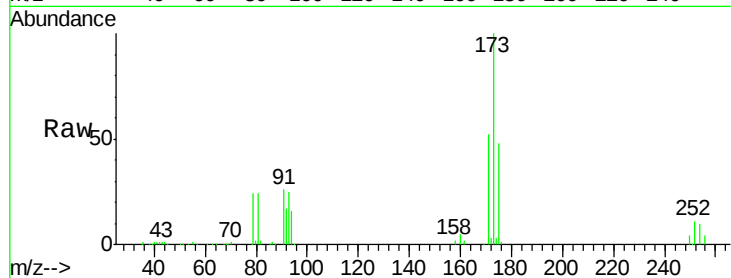
173 100

175 48.2 23.6 71.0

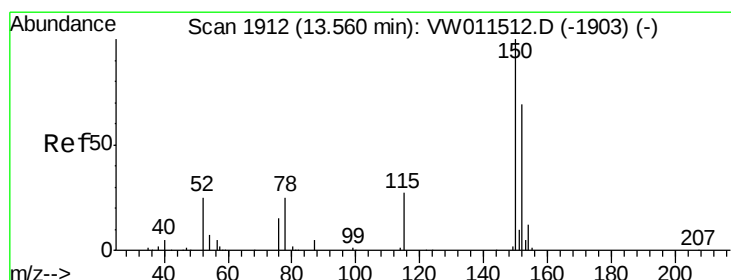
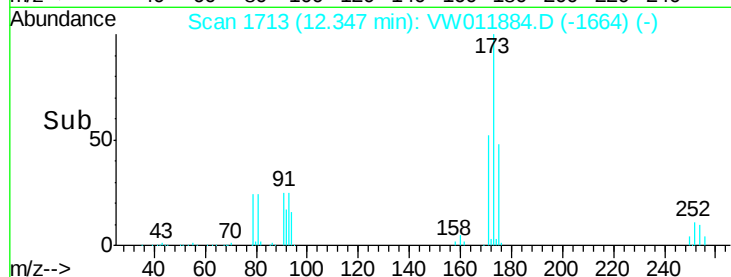
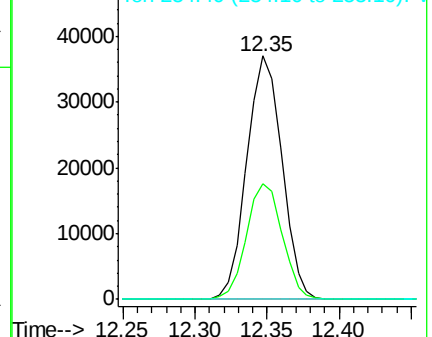
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

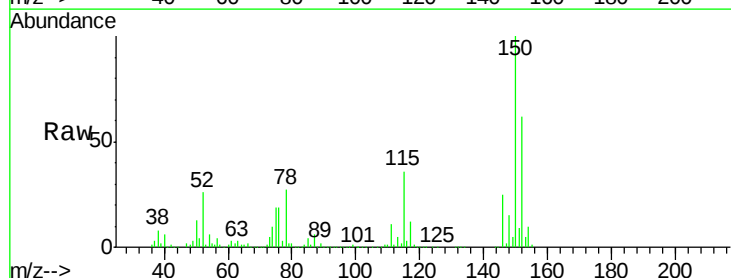
Tgt Ion:152 Resp: 146092

Ion Ratio Lower Upper

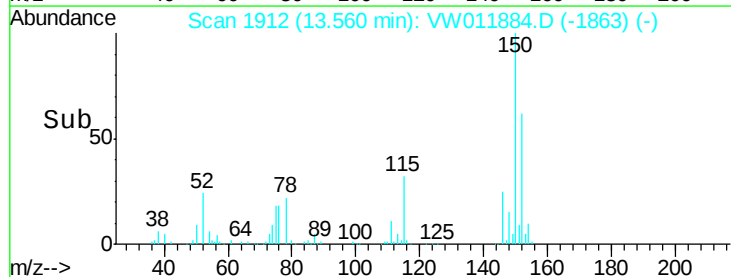
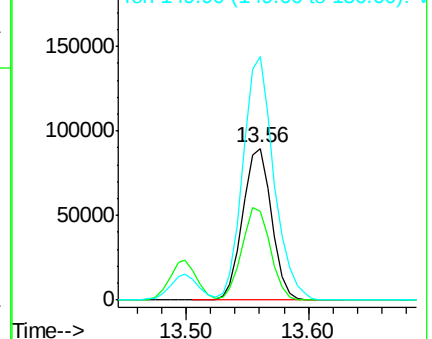
152 100

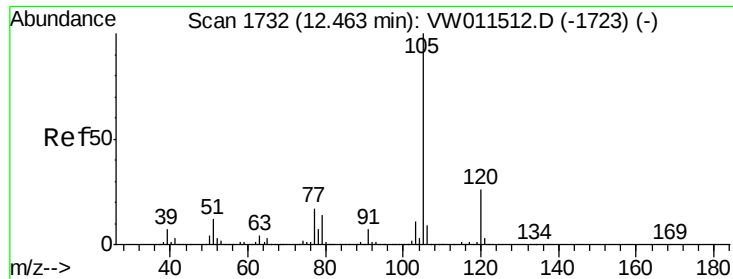
115 60.3 30.5 91.5

150 171.6 0.0 352.6



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





#73

Isopropylbenzene

Concen: 47.569 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 518442

Ion Ratio Lower Upper

105 100

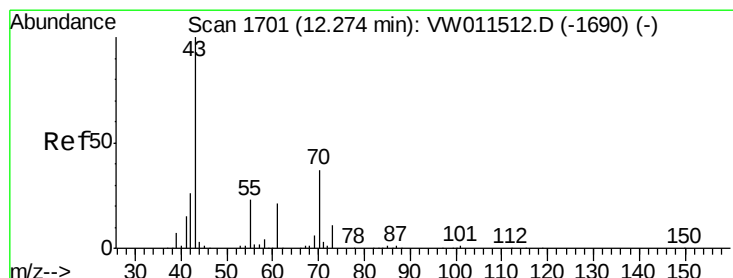
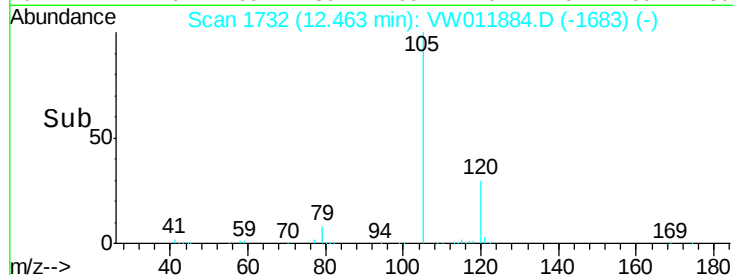
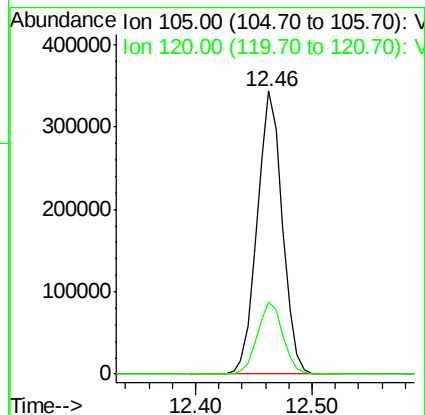
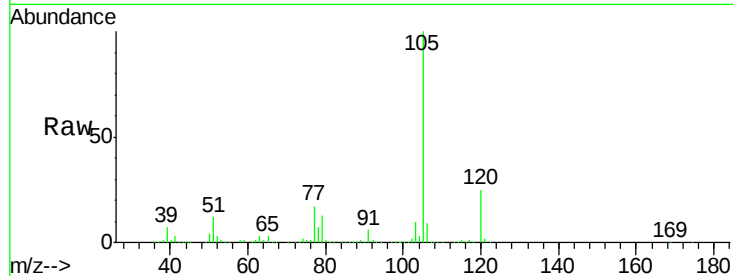
120 25.7 12.9 38.7

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#74

N-ethyl acetate

Concen: 58.103 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion: 43 Resp: 198255

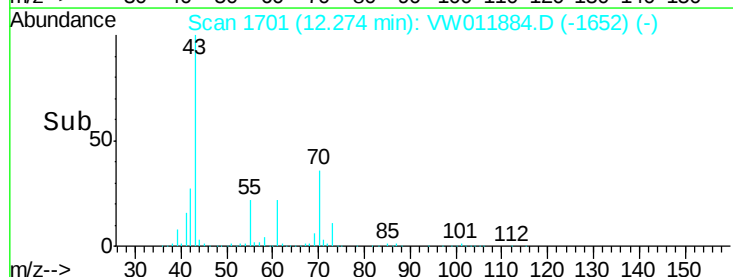
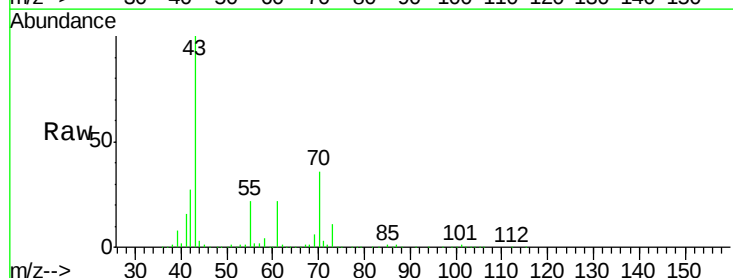
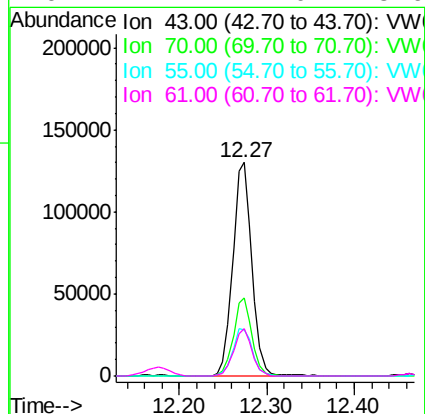
Ion Ratio Lower Upper

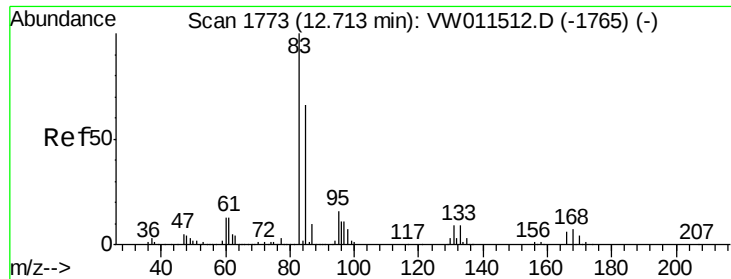
43 100

70 35.5 28.6 43.0

55 22.8 17.8 26.8

61 21.2 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 58.815 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

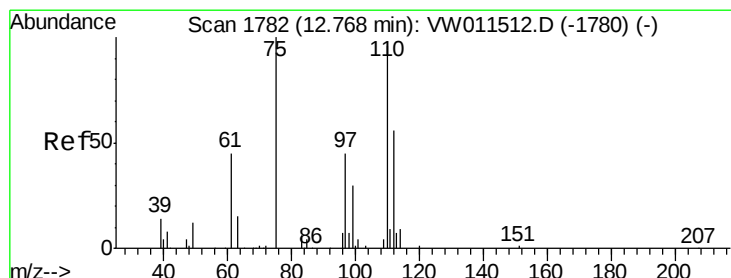
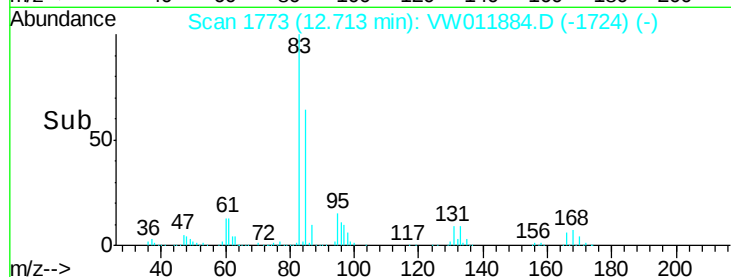
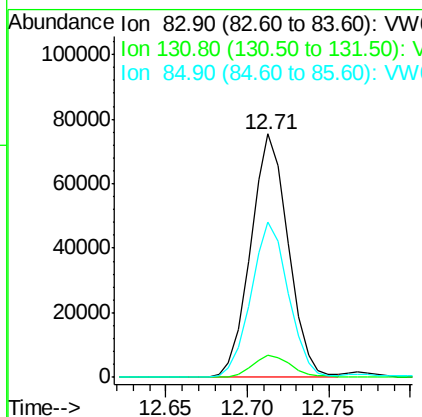
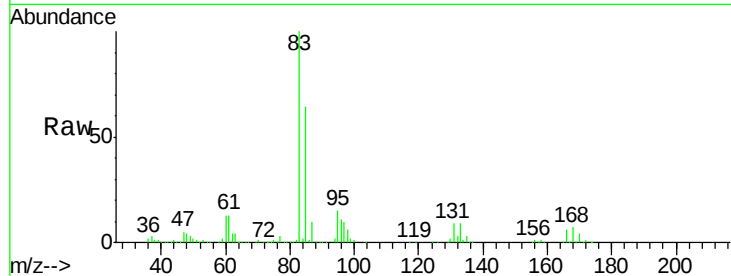
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	120574
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.6
85	63.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 64.449 ug/l m

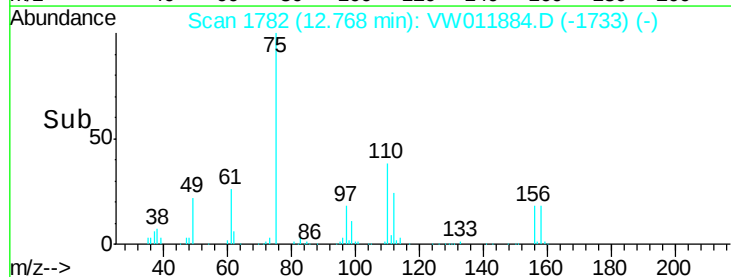
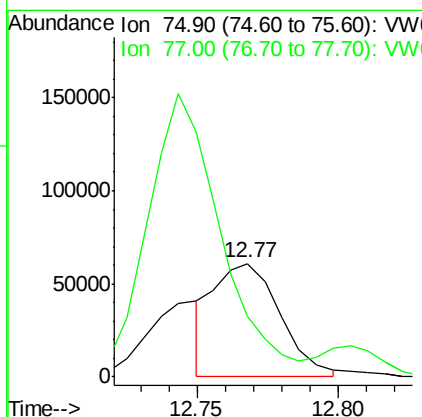
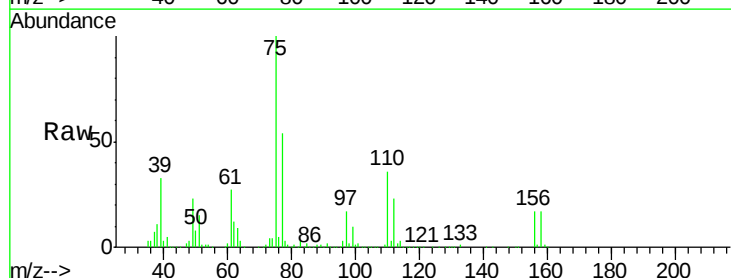
RT: 12.77 min Scan# 1782

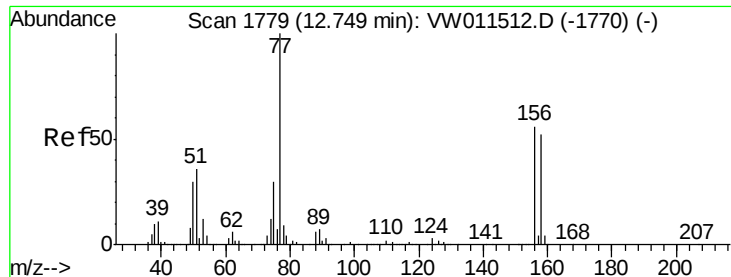
Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion:	75	Resp:	99627
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





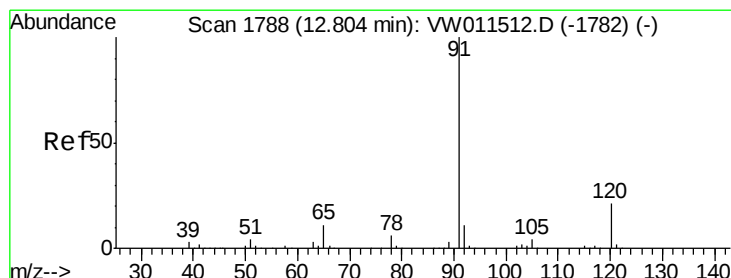
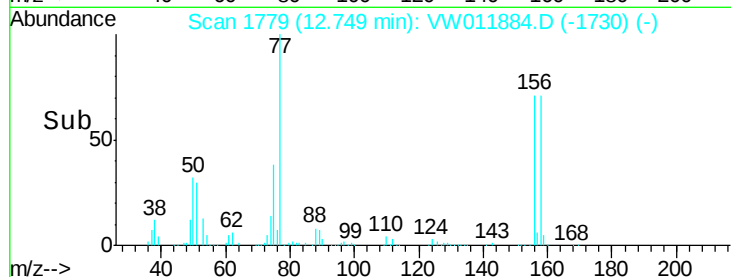
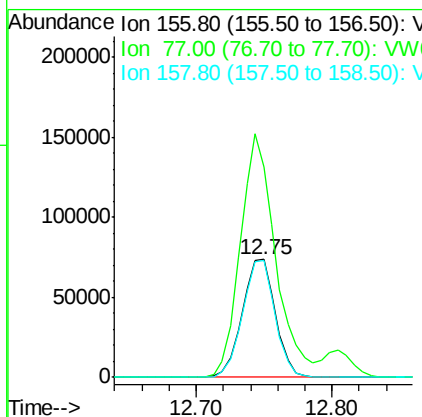
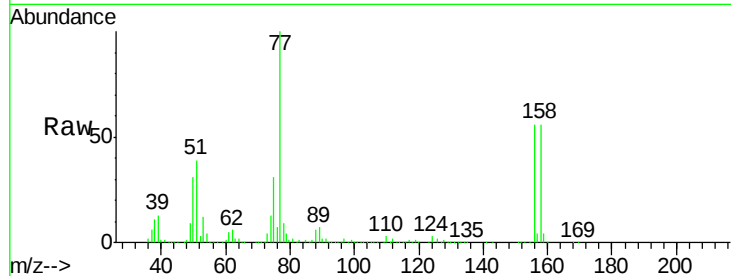
#77
Bromobenzene
Concen: 51.809 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.0	106.5	319.4
158	97.7	48.0	144.2

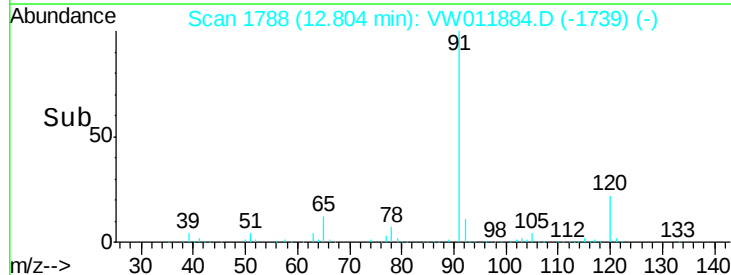
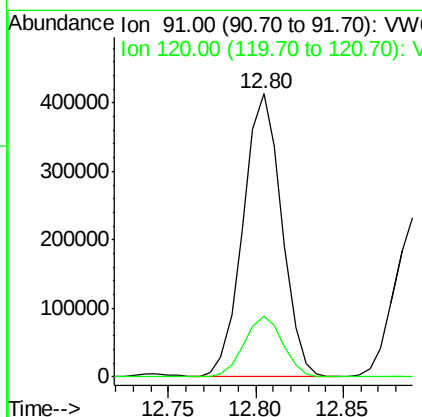
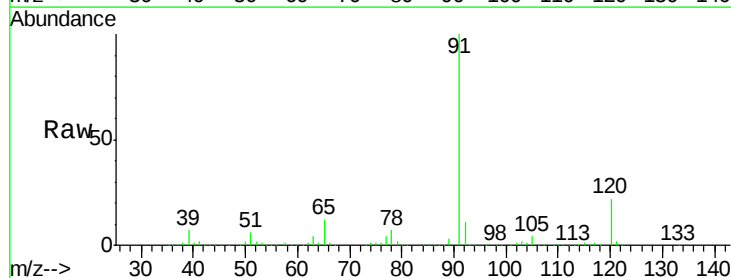
Manual Integrations
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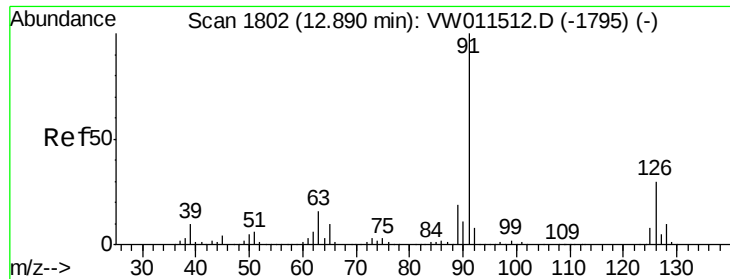
MMDadoda
8/13/2019 2:37:03 PM



#78
n-propylbenzene
Concen: 47.749 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.7





#79

2-Chlorotoluene

Concen: 49.474 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 378048

Ion Ratio Lower Upper

91 100

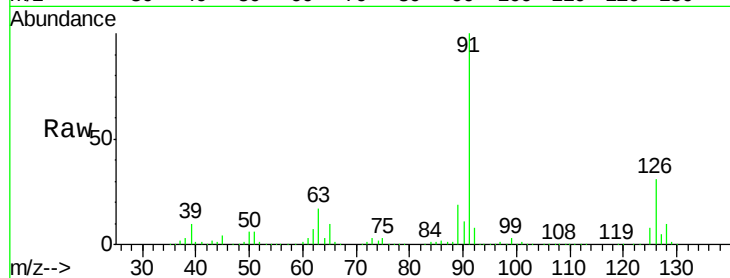
126 31.3 15.7 47.1

Manual Integrations

APPROVED

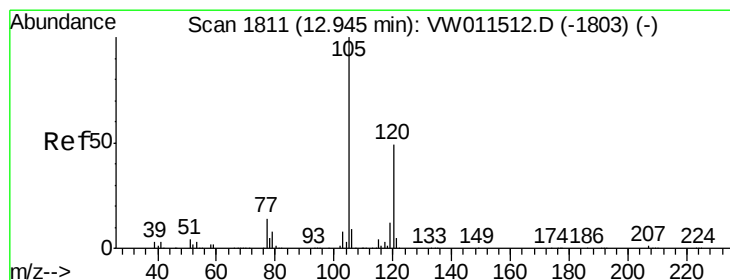
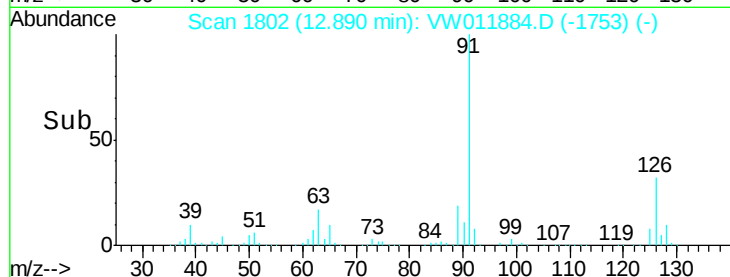
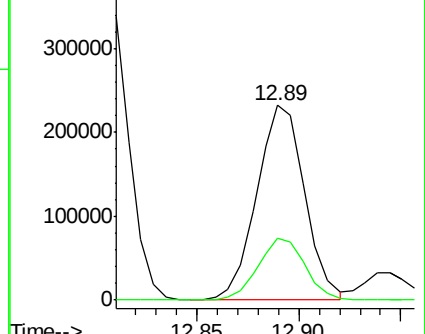
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.727 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011884.D

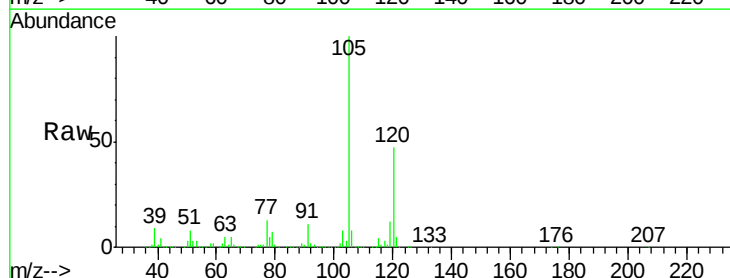
Acq: 13 Aug 2019 06:45

Tgt Ion:105 Resp: 454303

Ion Ratio Lower Upper

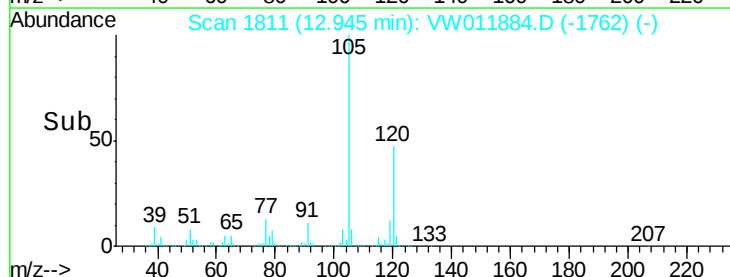
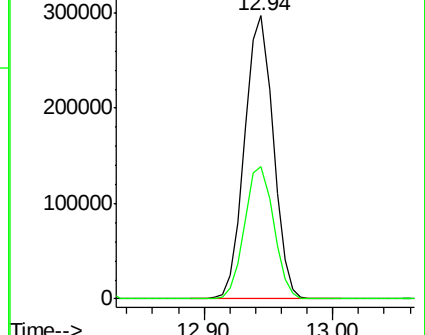
105 100

120 47.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.957 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

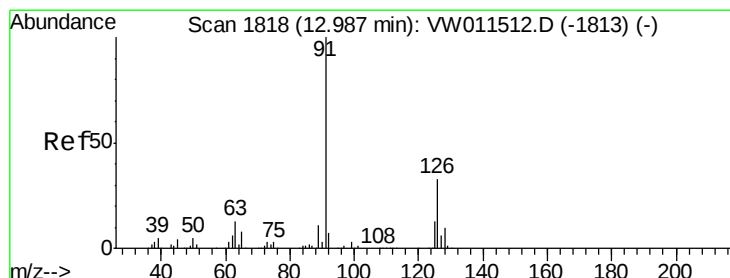
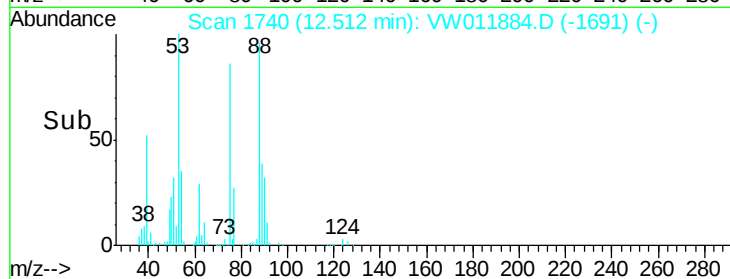
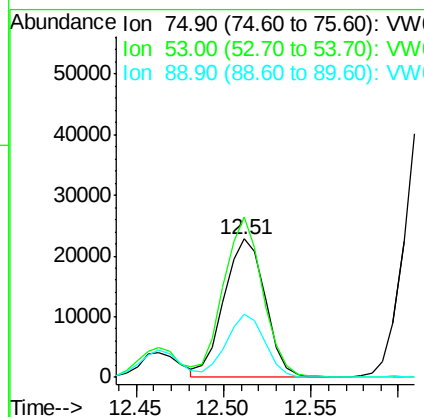
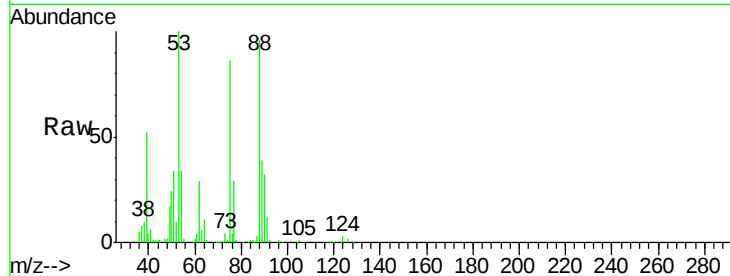
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	36862
Ion	Ratio	Lower	Upper
75	100		
53	111.6	88.0	132.0
89	42.8	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.617 ug/l

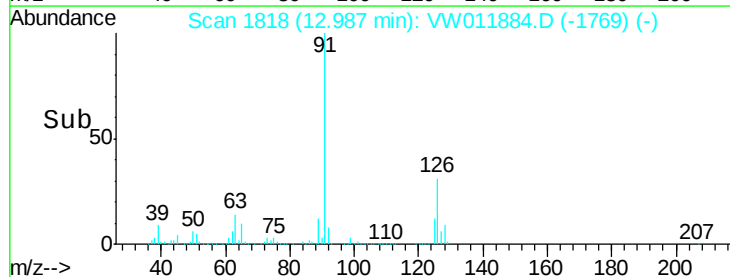
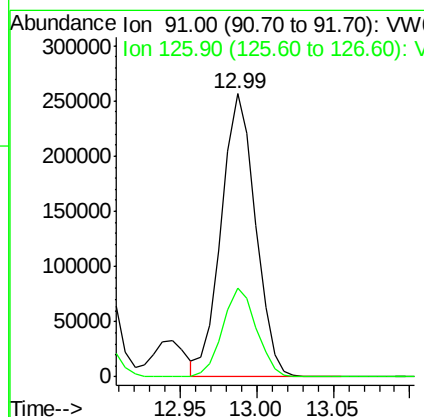
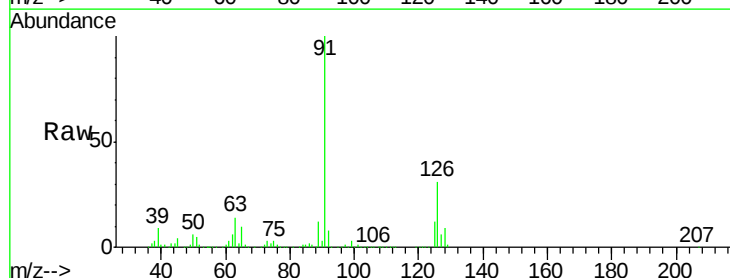
RT: 12.99 min Scan# 1818

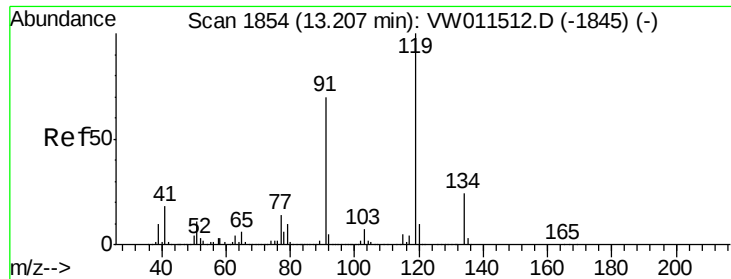
Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion:	91	Resp:	397795
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





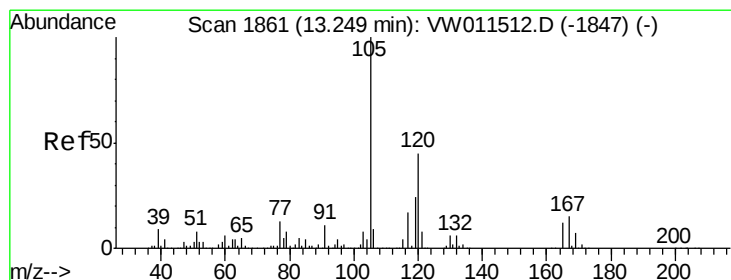
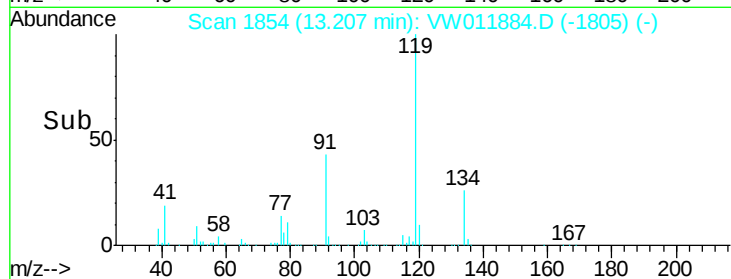
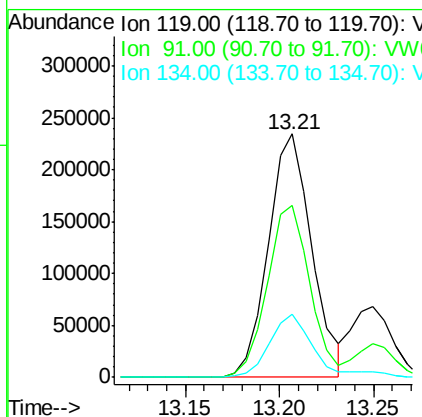
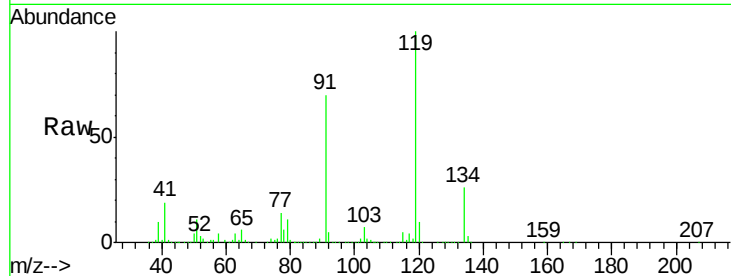
#83
 tert-Butylbenzene
 Concen: 49.186 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.5	103.6
134	25.0	12.4	37.4

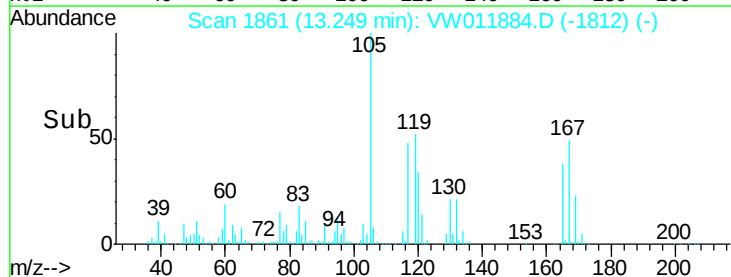
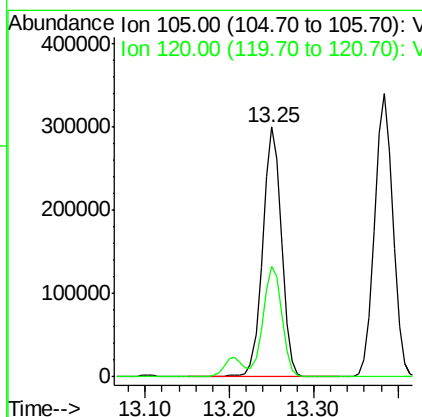
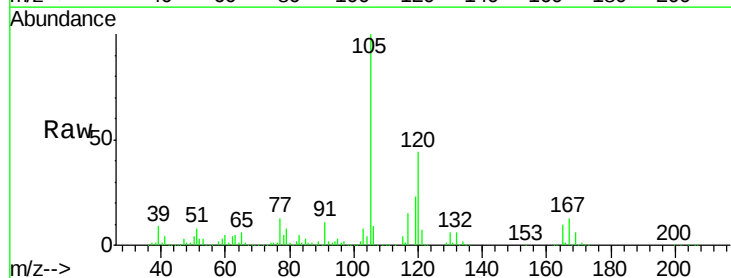
Manual Integrations
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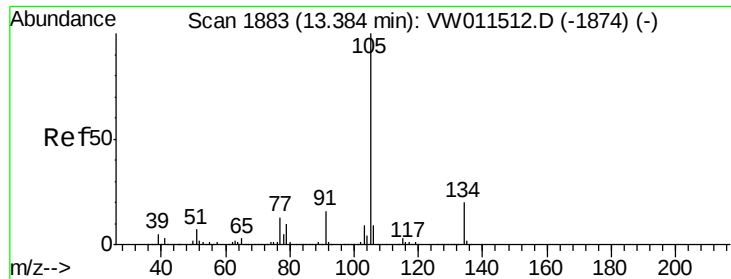
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.221 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.5





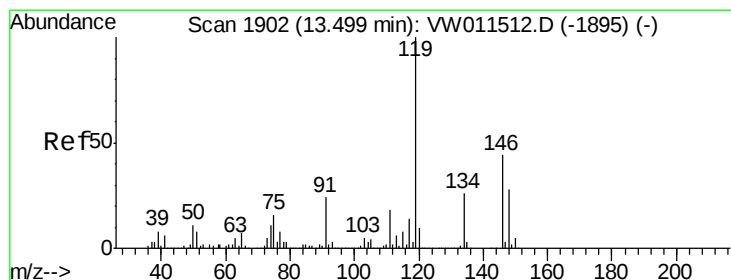
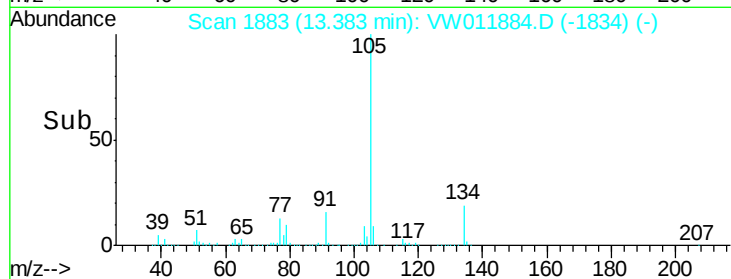
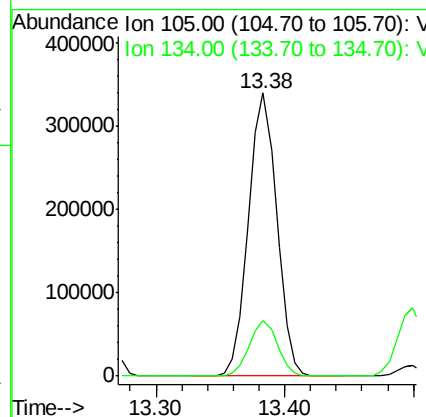
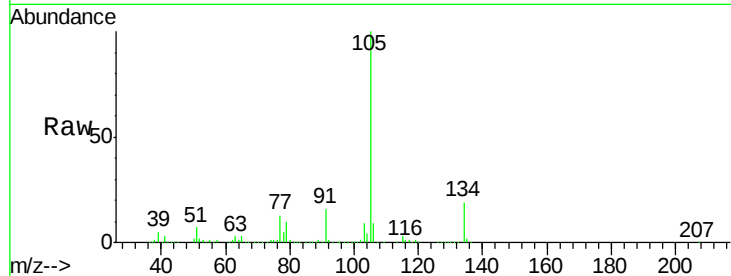
#85
 sec-Butylbenzene
 Concen: 47.358 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

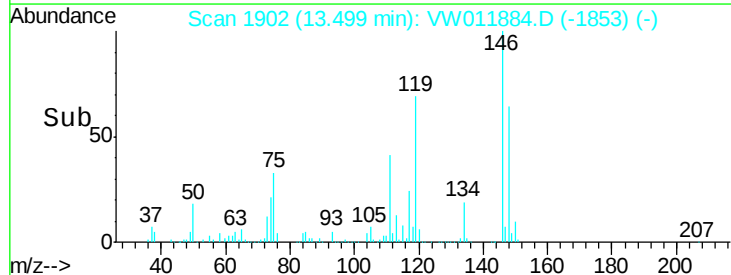
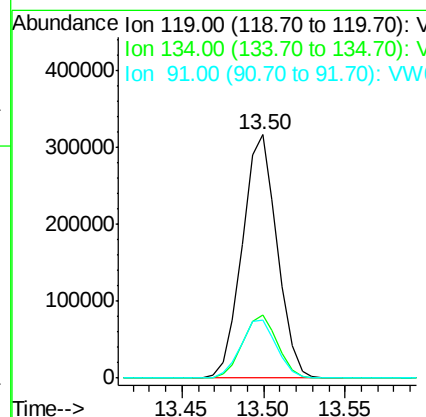
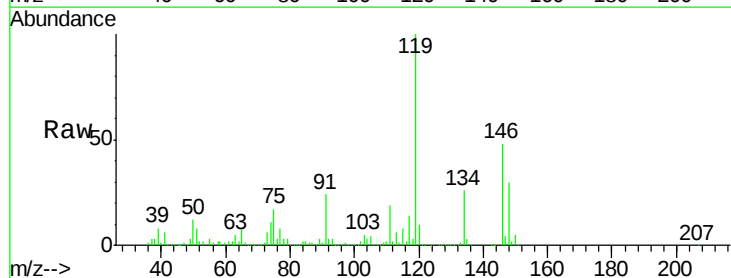
Manual Integrations
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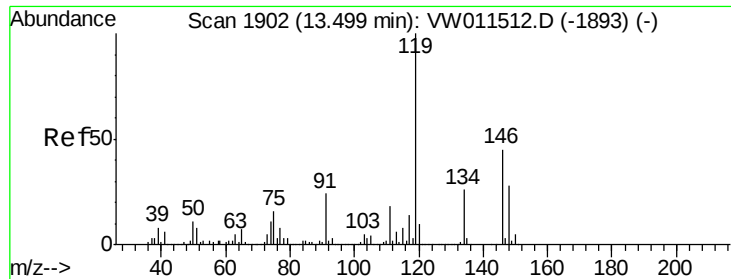
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#86
 p-Isopropyltoluene
 Concen: 47.539 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	24.5	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 50.036 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

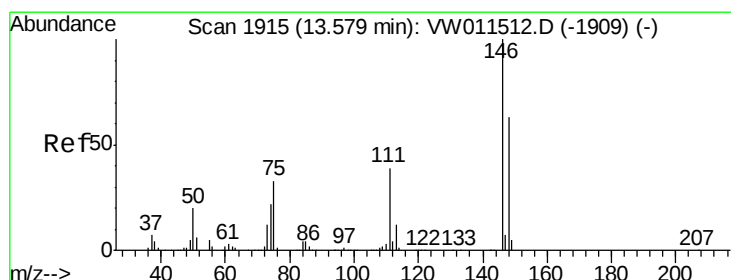
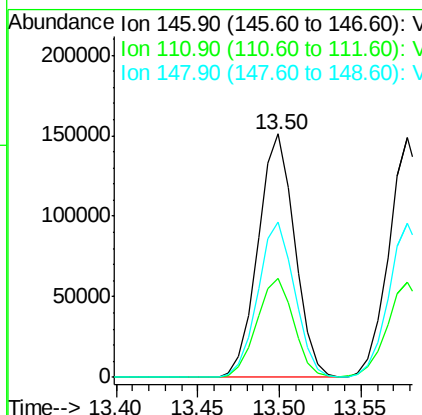
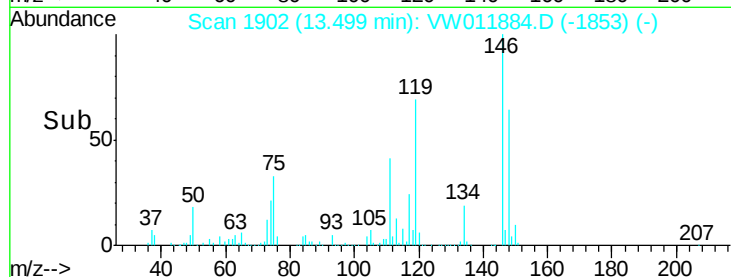
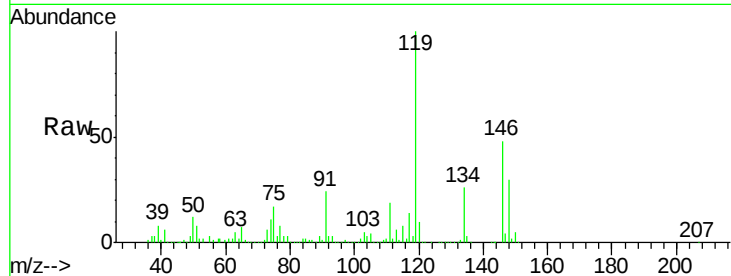
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	236345		
111	41.2	20.5	61.6	
148	64.1	31.8	95.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.649 ug/l

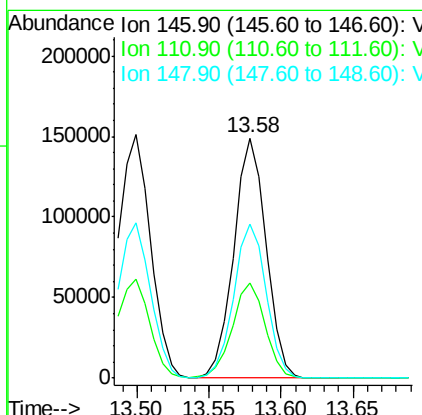
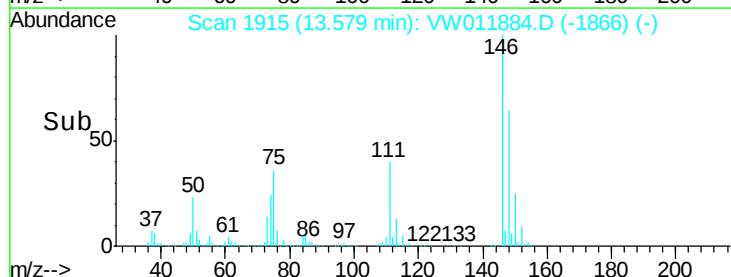
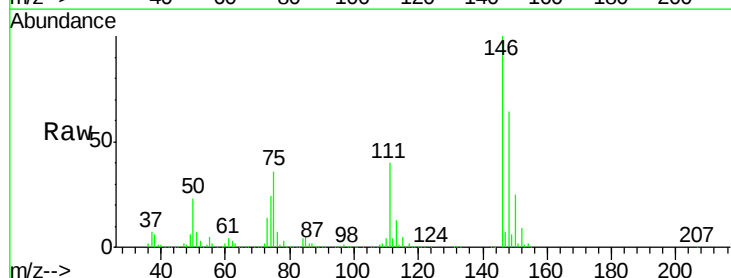
RT: 13.58 min Scan# 1915

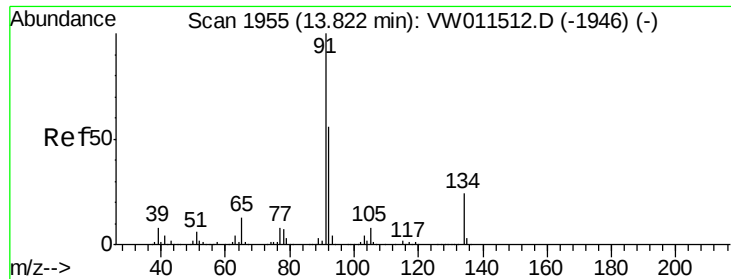
Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	233285		
111	40.4	20.1	60.2	
148	64.7	31.9	95.9	





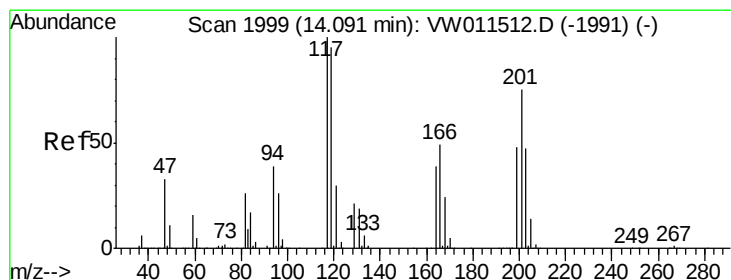
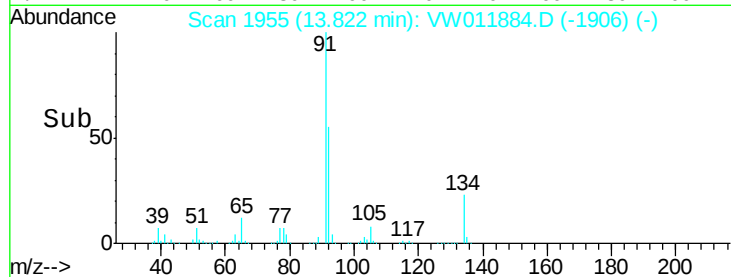
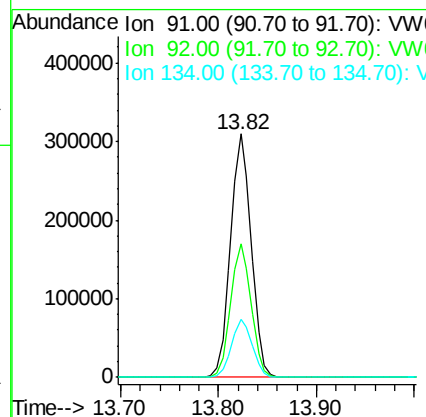
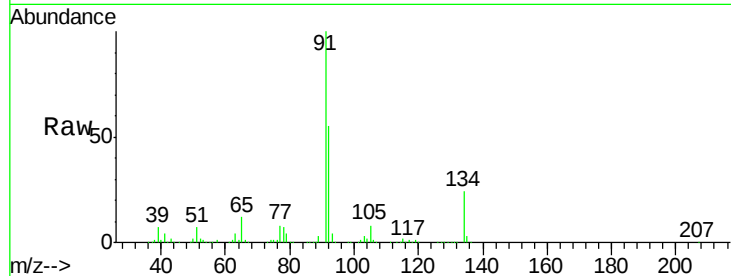
#89
n-Butylbenzene
Concen: 45.889 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.5	82.4
134	24.1	12.2	36.6

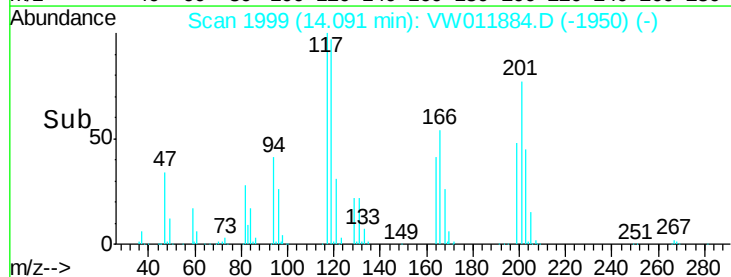
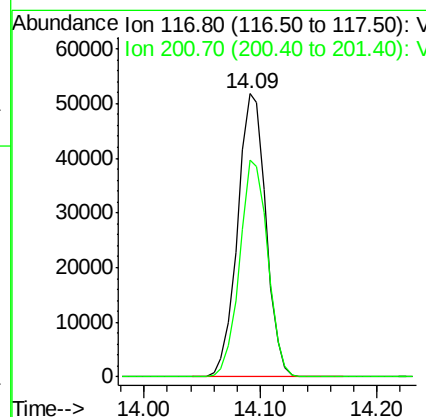
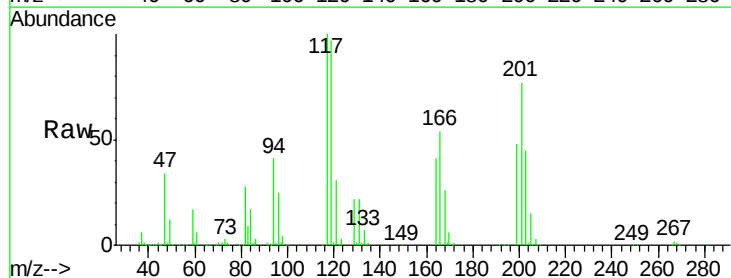
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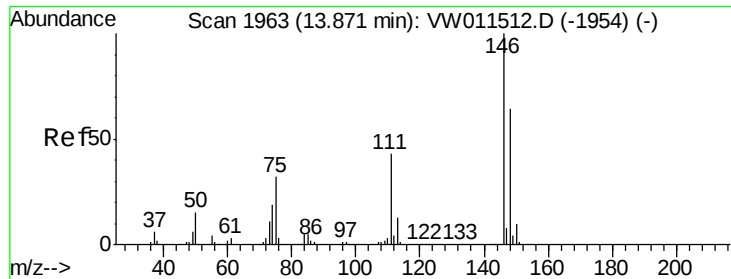
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#90
Hexachloroethane
Concen: 50.250 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	39.4	118.2





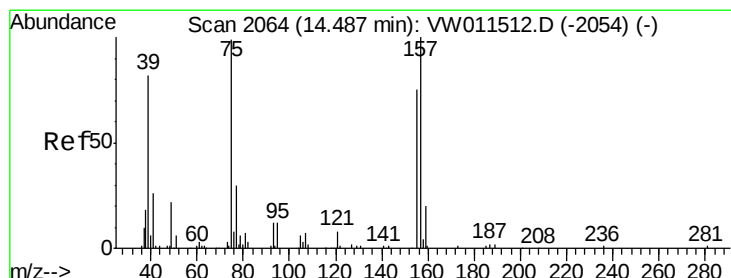
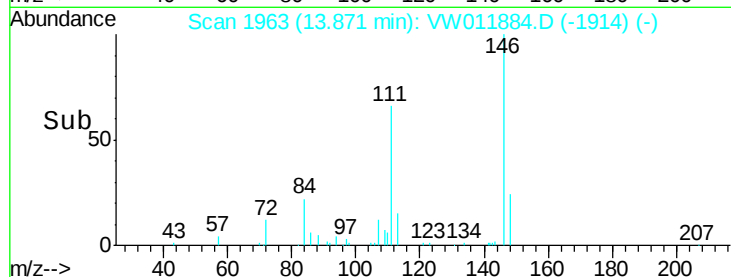
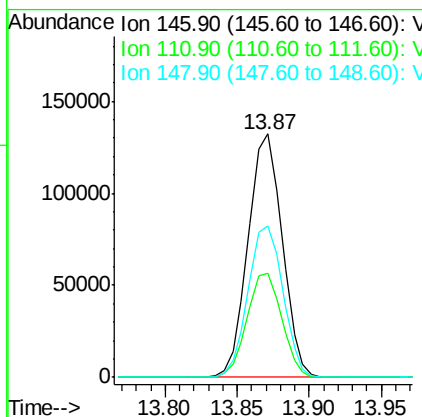
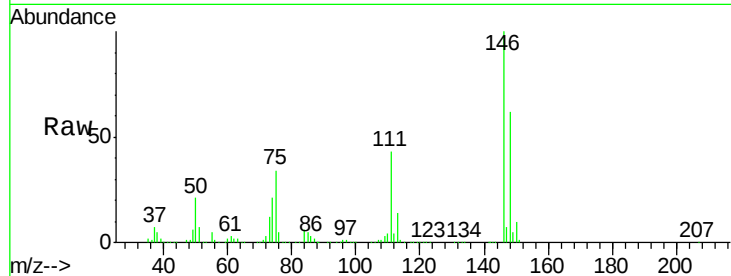
#91
 1,2-Dichlorobenzene
 Concen: 51.973 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	63.6	32.0	96.2

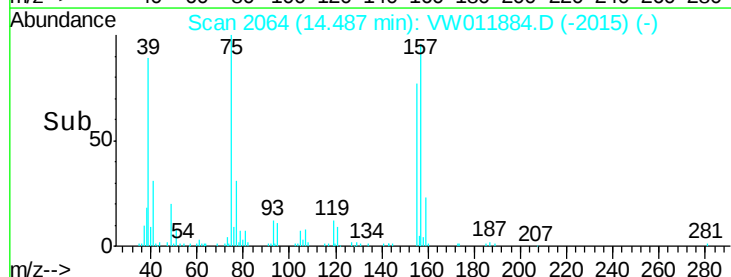
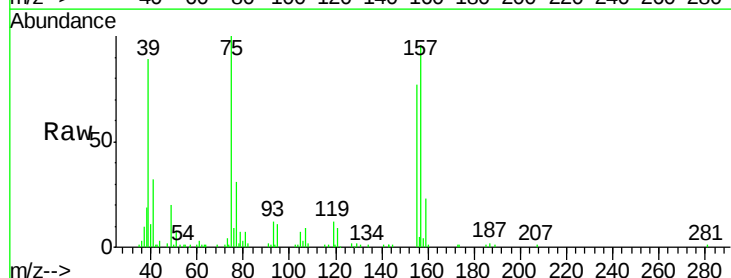
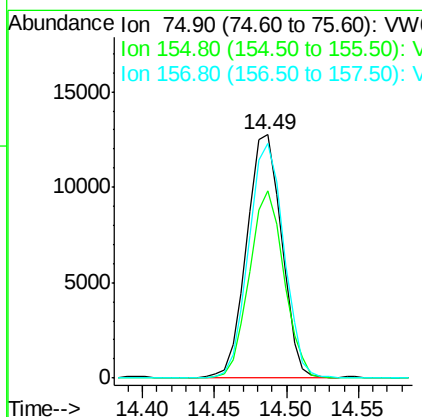
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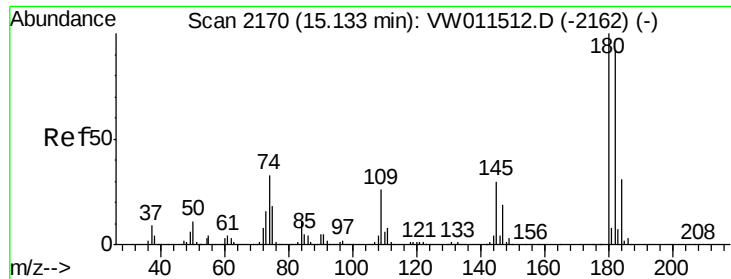
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.341 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.1	38.2	114.6
157	96.7	48.9	146.7





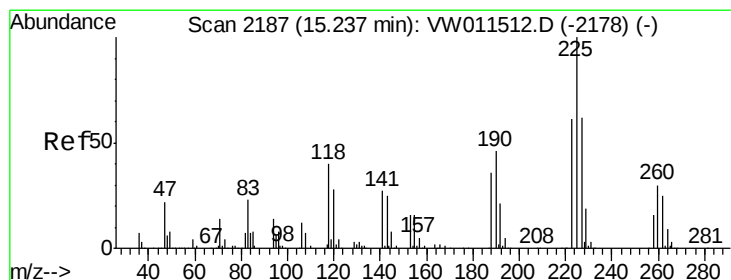
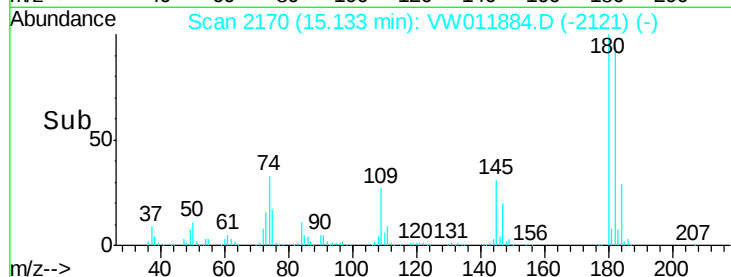
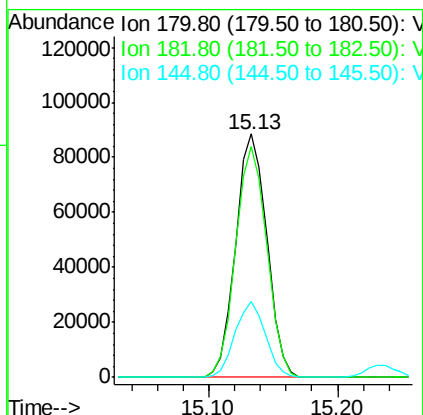
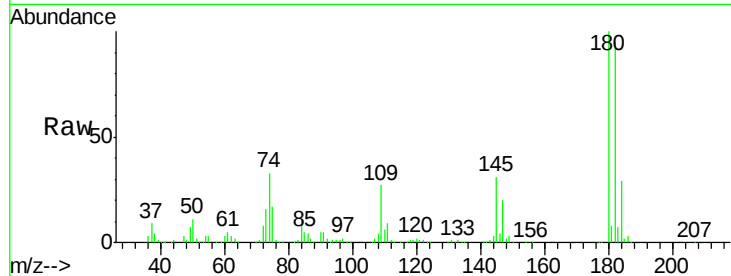
#93
 1,2,4-Trichlorobenzene
 Concen: 50.477 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	148618		
182	94.6	47.4	142.2	
145	30.5	15.4	46.1	

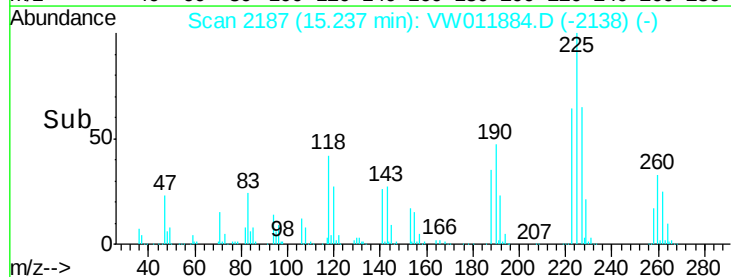
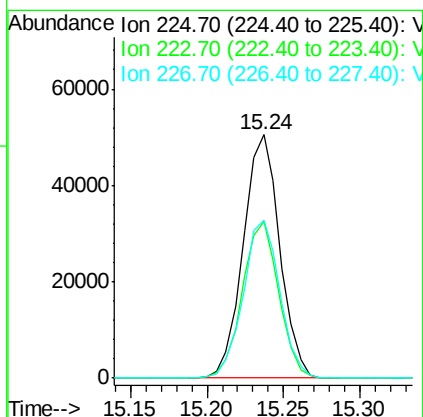
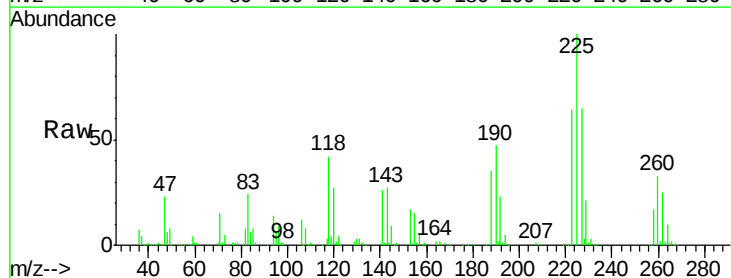
Manual Integrations
 APPROVED

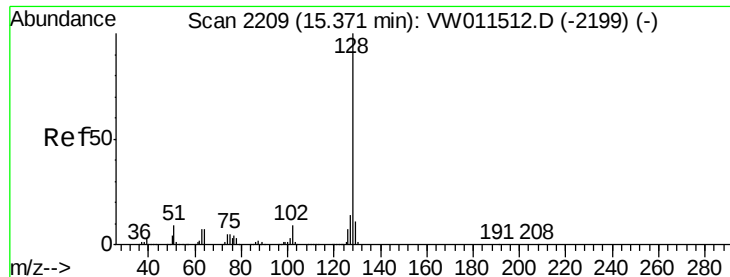
MMDadoda
 8/13/2019 2:37:03 PM



#94
 Hexachlorobutadiene
 Concen: 45.511 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83563		
223	63.9	30.8	92.3	
227	65.0	31.6	94.7	





#95

Naphthalene

Concen: 55.207 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

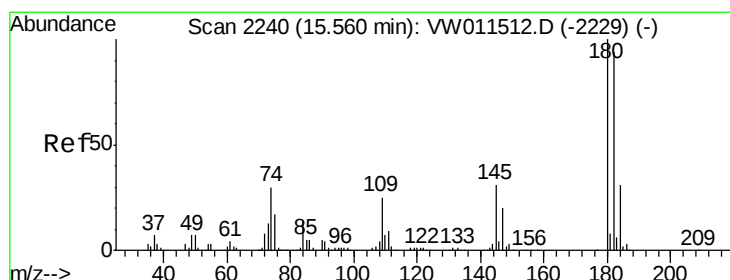
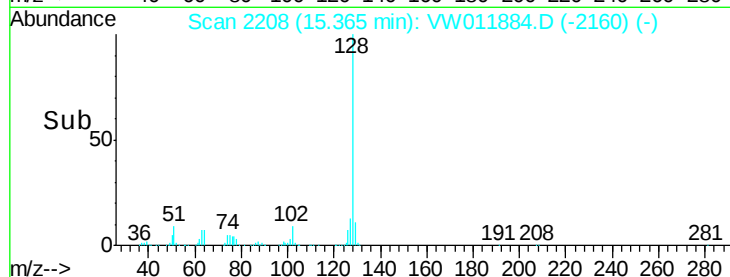
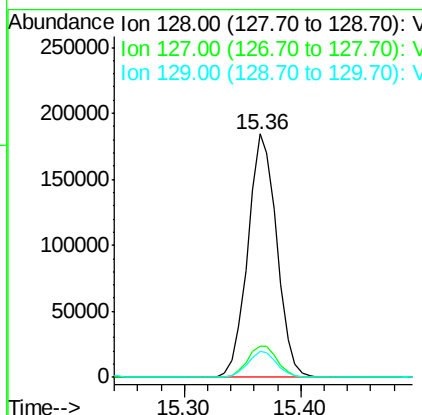
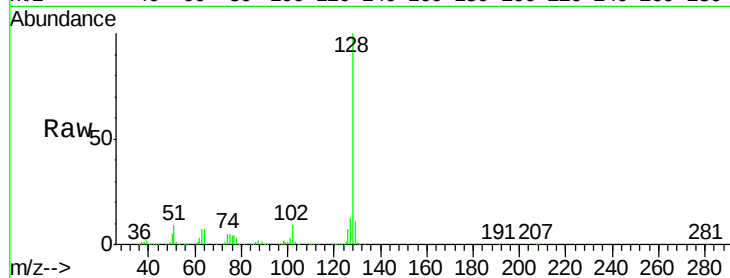
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	319696
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/13/2019 2:37:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.269 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion:	180	Resp:	140060
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.4	142.2
145	31.7	15.9	47.7

