

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013054.D
 Acq On : 16 Sep 2019 20:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 9/18/2019 2:01:07 PM

Quant Time: Sep 17 08:02:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	271493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	178494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133365	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	7.88	113	109789	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.32	98	430205	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.62	95	152730	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	48434	46.275	ug/l	97
3) Chloromethane	2.21	50	63047	48.071	ug/l	99
4) Vinyl Chloride	2.36	62	85502	43.999	ug/l	97
5) Bromomethane	2.76	94	48365	40.755	ug/l	94
6) Chloroethane	2.91	64	53844	45.177	ug/l	92
7) Trichlorofluoromethane	3.25	101	54399	40.032	ug/l	93
8) Diethyl Ether	3.68	74	57414	54.109	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	99566	48.308	ug/l	98
10) Methyl Iodide	4.27	142	123705	47.959	ug/l	98
11) Tert butyl alcohol	5.19	59	63687	388.094	ug/l	99
12) 1,1-Dichloroethene	4.04	96	88477	47.213	ug/l	98
13) Acrolein	3.89	56	62730	341.939	ug/l	100
14) Allyl chloride	4.66	41	176436	49.593	ug/l	96
15) Acrylonitrile	5.36	53	185408	342.117	ug/l	99
16) Acetone	4.12	43	166650	311.070	ug/l	99
17) Carbon Disulfide	4.38	76	158862	42.538	ug/l	99
18) Methyl Acetate	4.67	43	96798	67.760	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	214706	58.041	ug/l	95
20) Methylene Chloride	4.92	84	107257	53.289	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	94862	47.263	ug/l	93
22) Diisopropyl ether	6.31	45	418158	56.578	ug/l	99
23) Vinyl Acetate	6.25	43	1383973	312.646	ug/l	98
24) 1,1-Dichloroethane	6.21	63	218596	51.298	ug/l	99
25) 2-Butanone	7.17	43	266800	334.628	ug/l	100
26) 2,2-Dichloropropane	7.16	77	125302	45.985	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	119011	49.527	ug/l	98
28) Bromochloromethane	7.51	49	105840	59.011	ug/l	97
29) Tetrahydrofuran	7.53	42	174291	383.656	ug/l	98
30) Chloroform	7.67	83	211506	48.849	ug/l	97
31) Cyclohexane	7.95	56	174145	54.853	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	171805	48.183	ug/l	98
36) 1,1-Dichloropropene	8.08	75	154054	47.438	ug/l	98
37) Ethyl Acetate	7.25	43	113128	65.630	ug/l	99
38) Carbon Tetrachloride	8.07	117	152920	45.950	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	172986	48.611	ug/l	97
40) Benzene	8.32	78	443207	48.887	ug/l	100
41) Methacrylonitrile	7.48	41	72948	64.264	ug/l	95
42) 1,2-Dichloroethane	8.40	62	146942	48.351	ug/l	98
43) Isopropyl Acetate	8.42	43	210846	63.707	ug/l	97
44) Trichloroethene	9.09	130	114356	46.051	ug/l	93
45) 1,2-Dichloropropane	9.37	63	123415	51.238	ug/l	99
46) Dibromomethane	9.46	93	62311	53.996	ug/l	99
47) Bromodichloromethane	9.64	83	161384	49.857	ug/l	100
48) Methyl methacrylate	9.43	41	100866	64.938	ug/l	96
49) 1,4-Dioxane	9.46	88	27415	1417.779	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	569103	333.066	ug/l	100
52) Toluene	10.38	92	283879	49.277	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	173120	53.178	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	192935	51.797	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	97371	55.388	ug/l	98
56) Ethyl methacrylate	10.65	69	150305	63.519	ug/l	98
57) 1,3-Dichloropropane	10.93	76	171272	54.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	409787	322.832	ug/l	99
59) 2-Hexanone	10.96	43	388617	326.632	ug/l	100
60) Dibromochloromethane	11.13	129	109361	51.455	ug/l	98
61) 1,2-Dibromoethane	11.23	107	90574	56.478	ug/l	98
64) Tetrachloroethene	10.86	164	104598	49.151	ug/l	95
65) Chlorobenzene	11.66	112	311162	48.835	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	120013	49.150	ug/l	98
67) Ethyl Benzene	11.73	91	576062	48.952	ug/l	98
68) m/p-Xylenes	11.84	106	422312	98.236	ug/l	100
69) o-Xylene	12.16	106	189227	46.950	ug/l	100
70) Styrene	12.18	104	337179	47.029	ug/l	99
71) Bromoform	12.35	173	67693	52.779	ug/l #	98
73) Isopropylbenzene	12.46	105	565662	47.812	ug/l	99
74) N-amyl acetate	12.27	43	185168	60.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123976	59.662	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	99020m	63.334	ug/l	
77) Bromobenzene	12.74	156	132582	48.644	ug/l	98
78) n-propylbenzene	12.80	91	666747	47.909	ug/l	100
79) 2-Chlorotoluene	12.89	91	378504	47.312	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	479699	47.926	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	40479	58.732	ug/l	97
82) 4-Chlorotoluene	12.99	91	397697	47.114	ug/l	100
83) tert-Butylbenzene	13.21	119	447302	49.962	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	482527	48.786	ug/l	98
85) sec-Butylbenzene	13.38	105	611090	50.099	ug/l	99
86) p-Isopropyltoluene	13.49	119	552309	49.318	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	255286	47.314	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	259195	48.884	ug/l	100
89) n-Butylbenzene	13.82	91	523444	49.562	ug/l	100
90) Hexachloroethane	14.09	117	98762	49.212	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	239861	50.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	24587	64.641	ug/l	98

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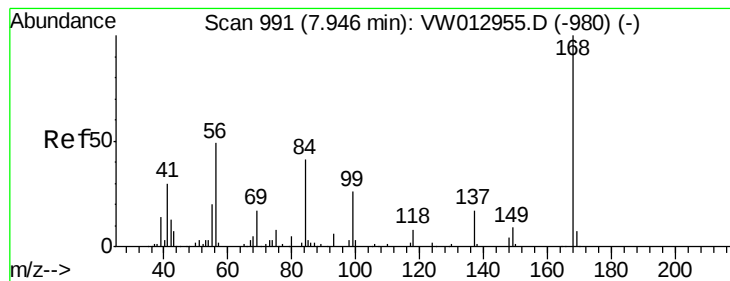
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	174181	51.474	ug/l	100
94) Hexachlorobutadiene	15.23	225	117190	48.921	ug/l	98
95) Naphthalene	15.36	128	377402	66.749	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	160173	53.547	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 271493

Ion Ratio Lower Upper

168 100

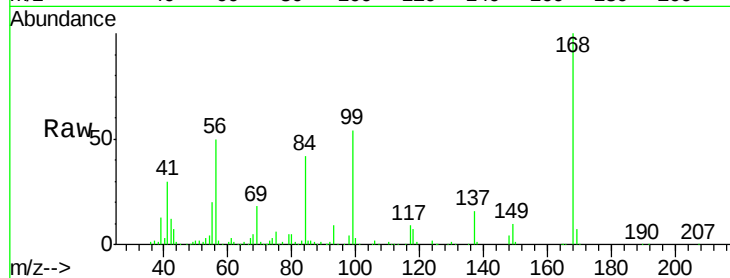
99 53.9 46.2 69.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

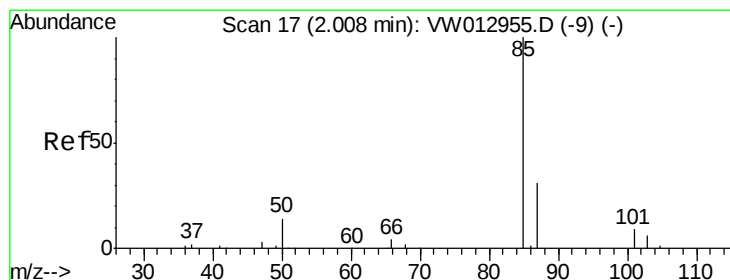
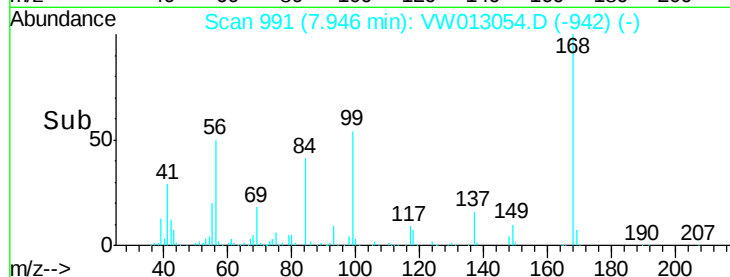
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 46.275 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013054.D

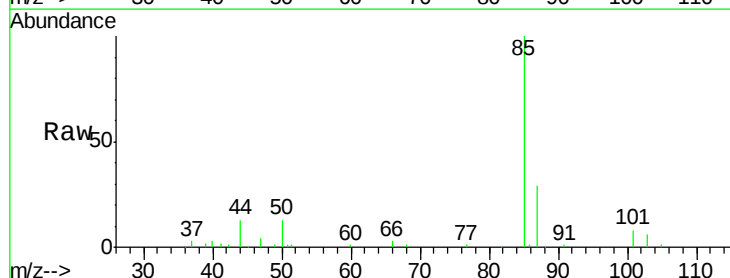
Acq: 16 Sep 2019 20:42

Tgt Ion: 85 Resp: 48434

Ion Ratio Lower Upper

85 100

87 29.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

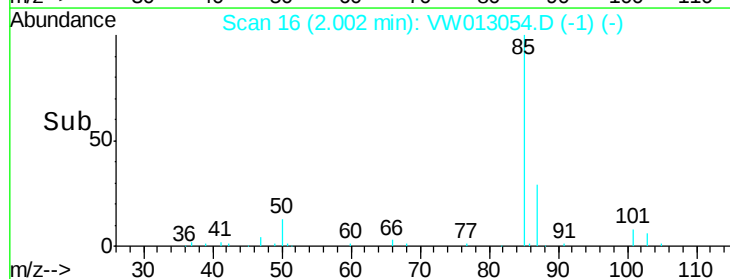
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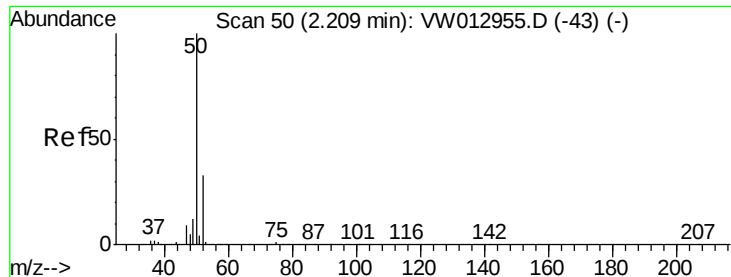
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 48.071 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 63047

Ion Ratio Lower Upper

50 100

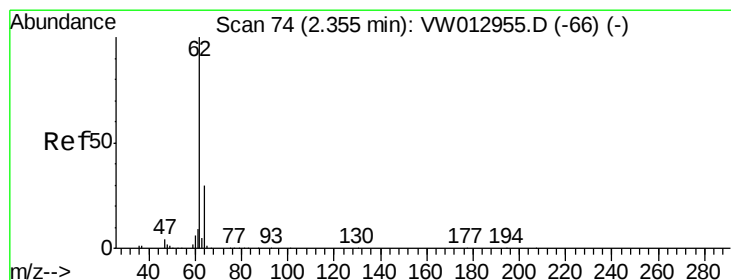
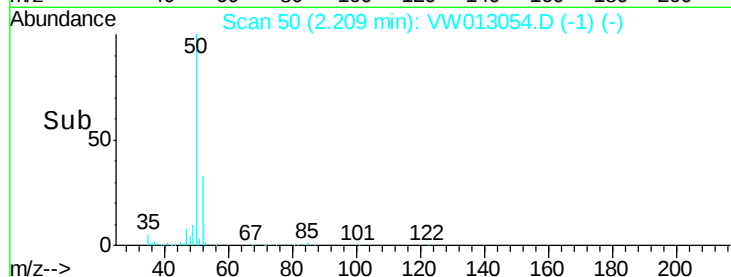
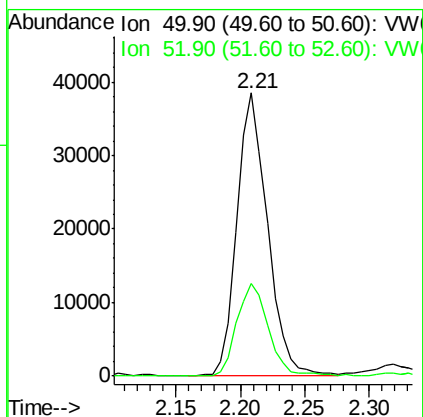
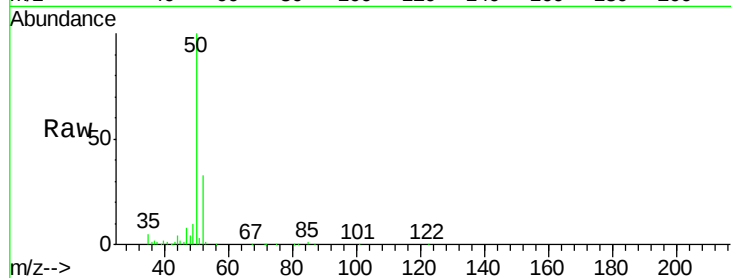
52 32.6 26.6 39.8

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#4

Vinyl Chloride

Concen: 43.999 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013054.D

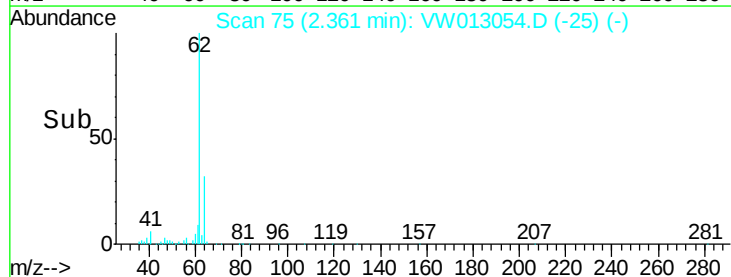
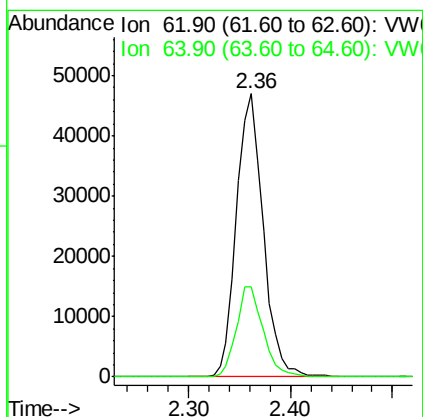
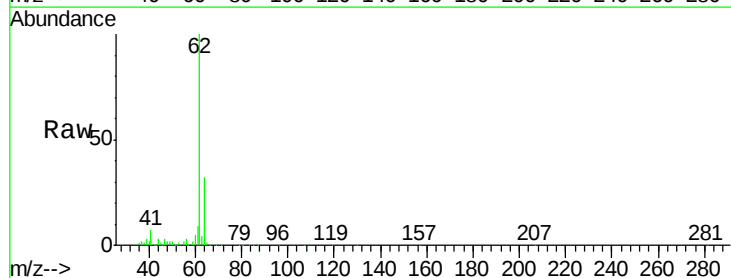
Acq: 16 Sep 2019 20:42

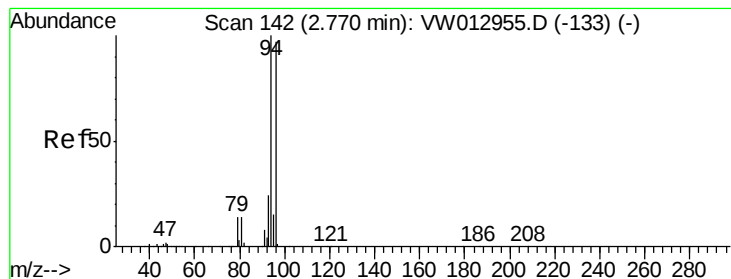
Tgt Ion: 62 Resp: 85502

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 40.755 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48365

Ion Ratio Lower Upper

94 100

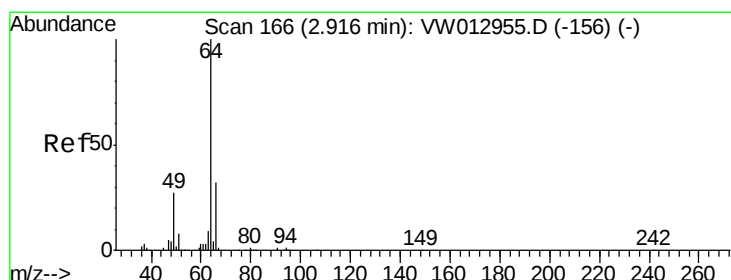
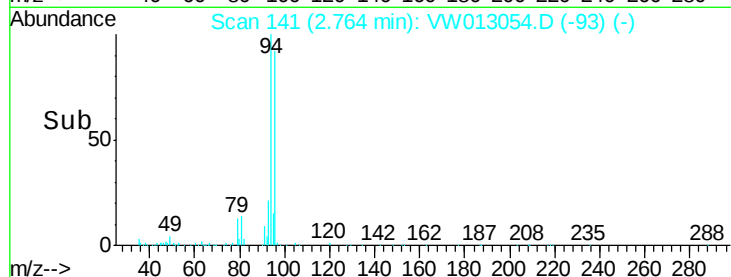
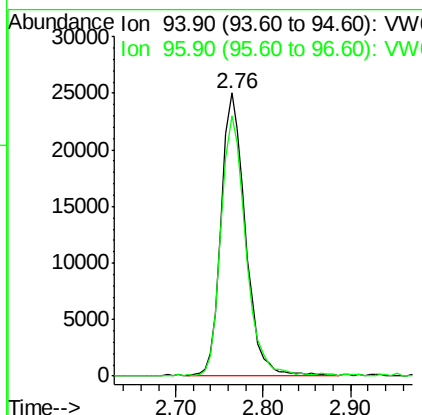
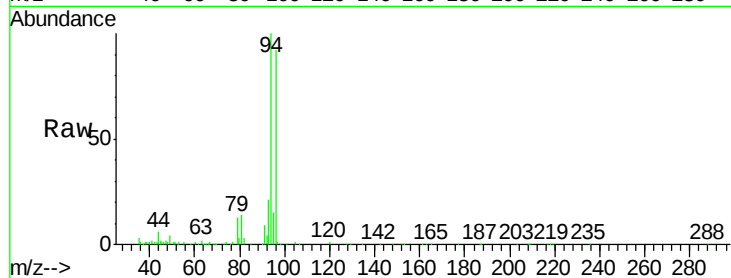
96 91.6 77.8 116.6

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#6

Chloroethane

Concen: 45.177 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013054.D

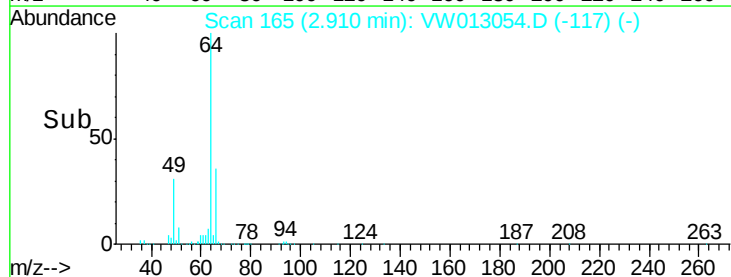
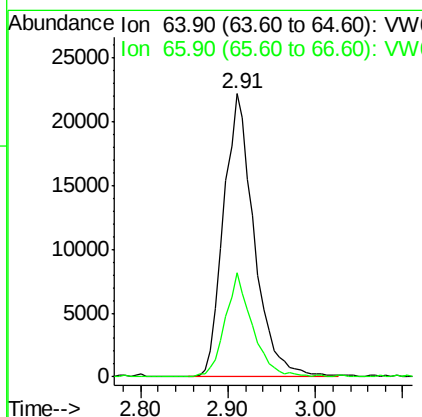
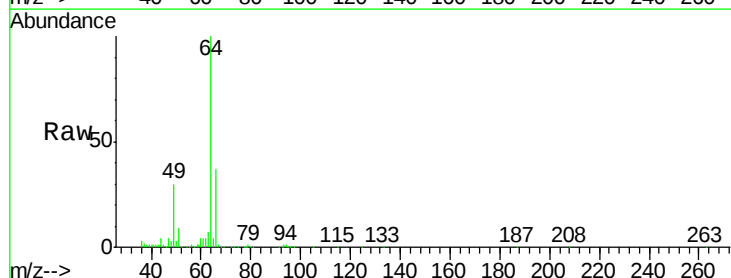
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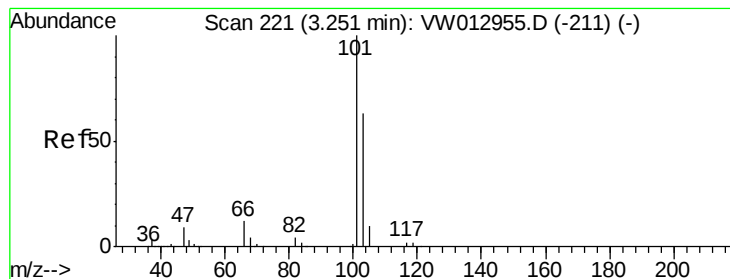
Tgt Ion: 64 Resp: 53844

Ion Ratio Lower Upper

64 100

66 36.7 25.9 38.9





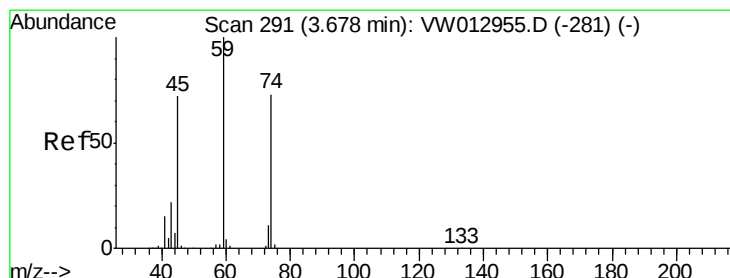
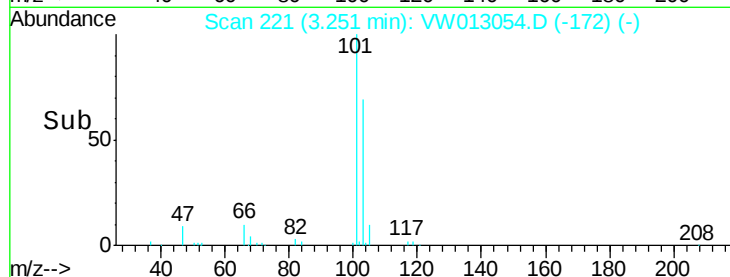
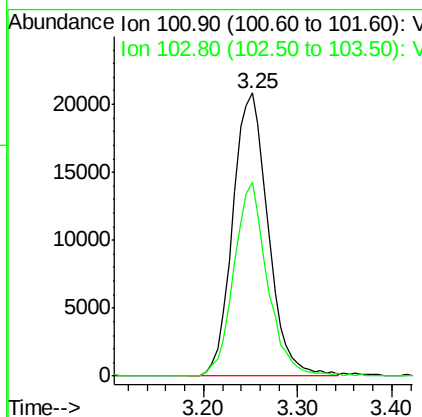
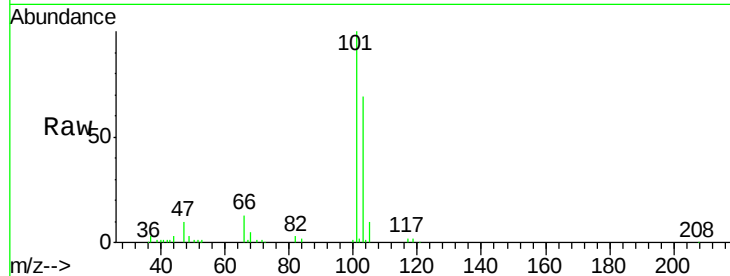
#7
 Trichlorofluoromethane
 Concen: 40.032 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	50.7	76.1

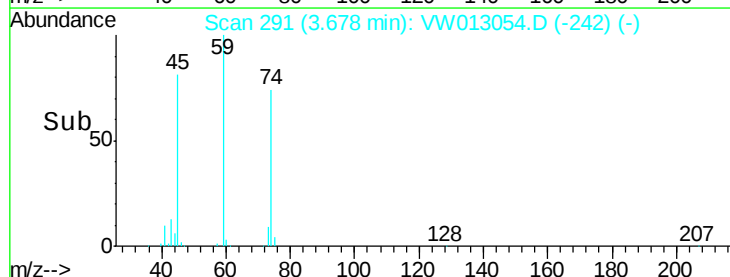
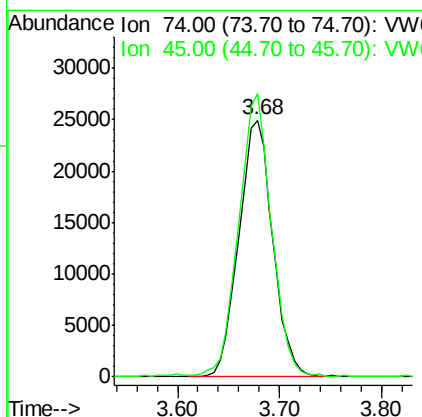
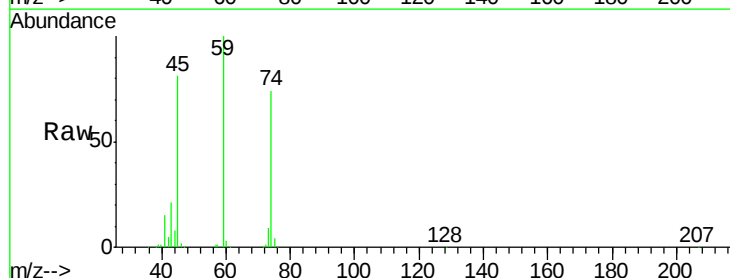
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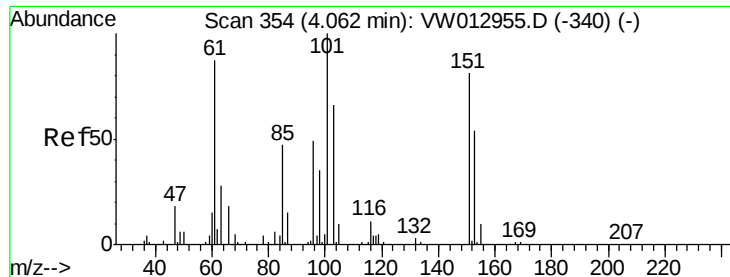
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#8
 Diethyl Ether
 Concen: 54.109 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.8	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.308 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

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MSVOA_W

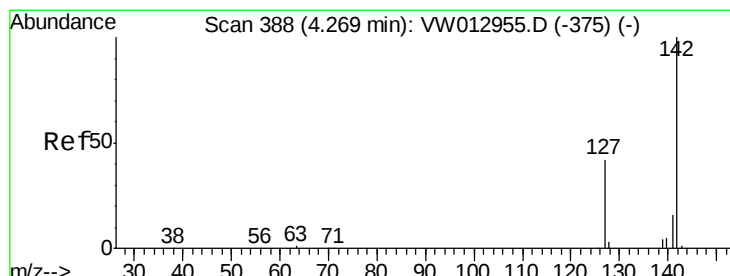
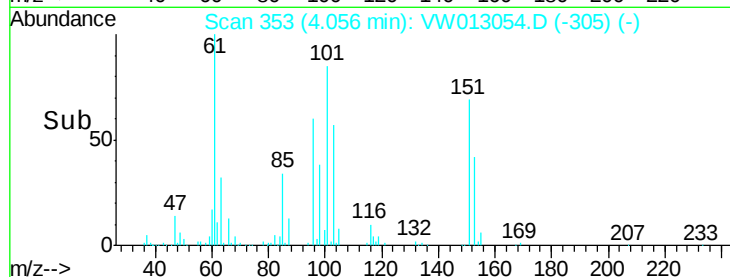
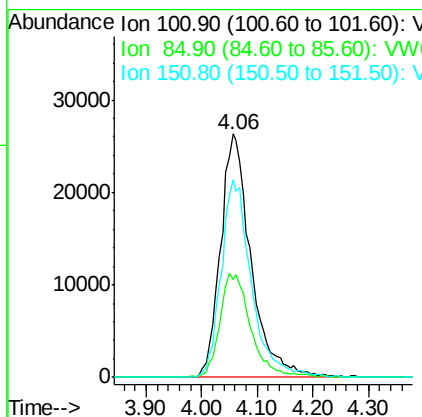
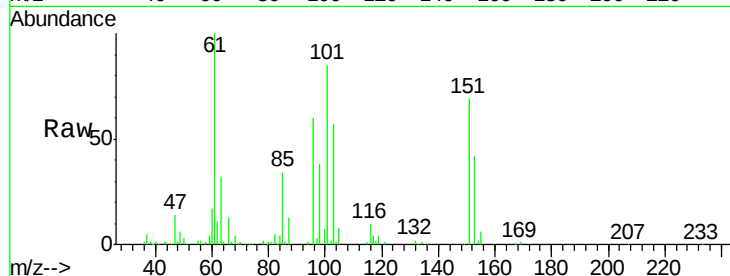
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	99566
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.9	52.3
151	80.7	66.0	99.0

Manual Integrations
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#10

Methyl Iodide

Concen: 47.959 ug/l

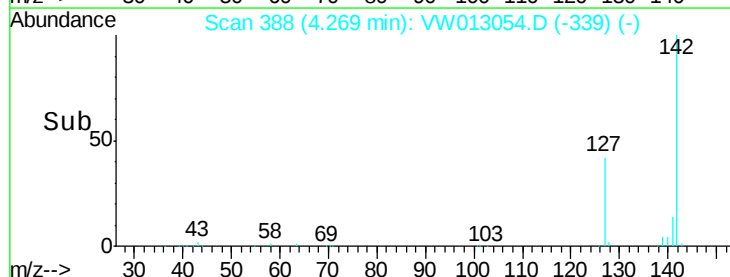
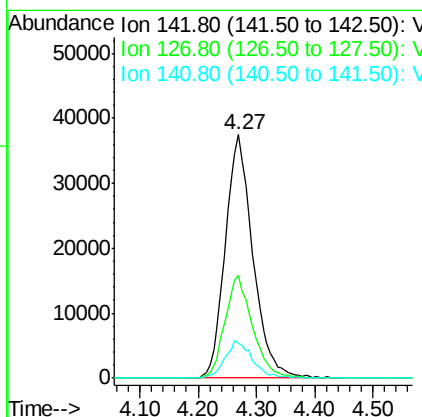
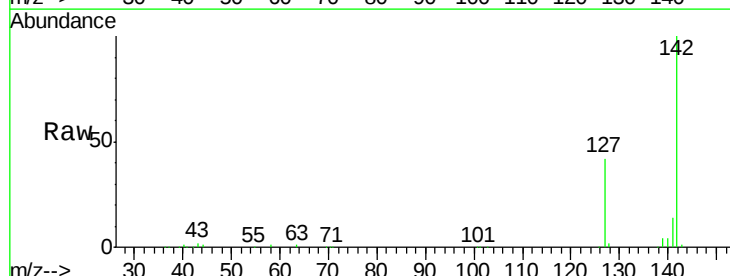
RT: 4.27 min Scan# 388

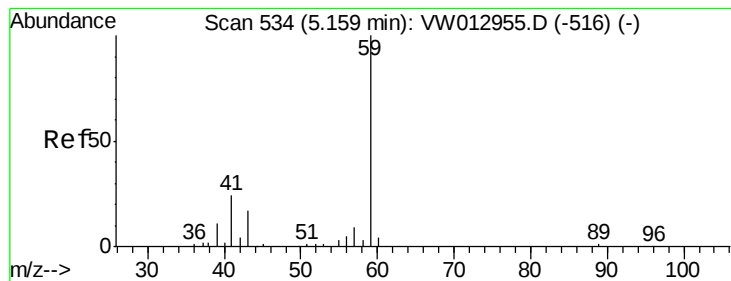
Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tgt Ion:	142	Resp:	123705
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.7	52.1
141	15.2	12.2	18.2





#11

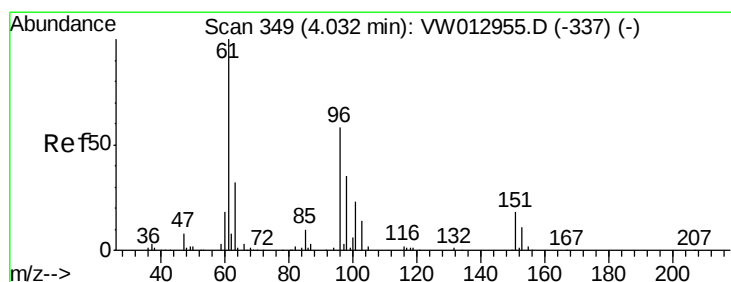
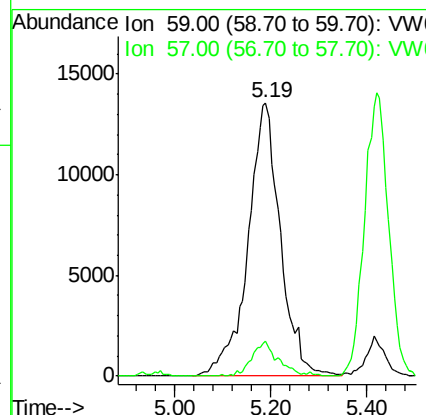
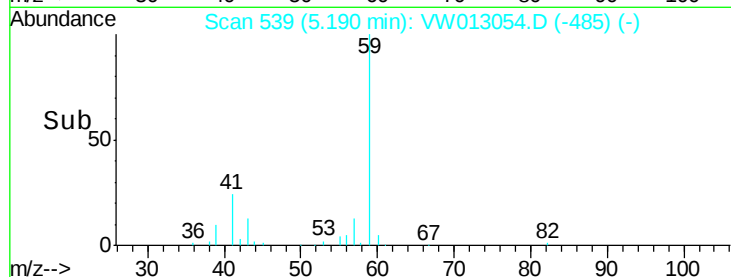
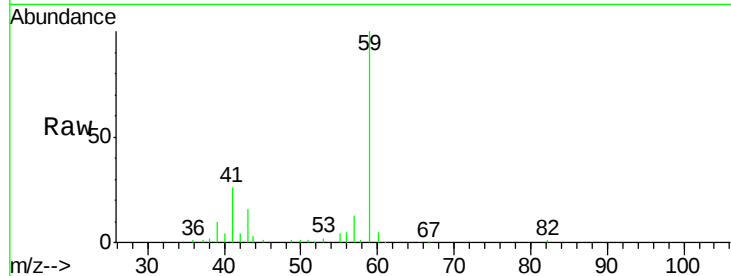
Tert butyl alcohol
 Concen: 388.094 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.03 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

Manual Integrations
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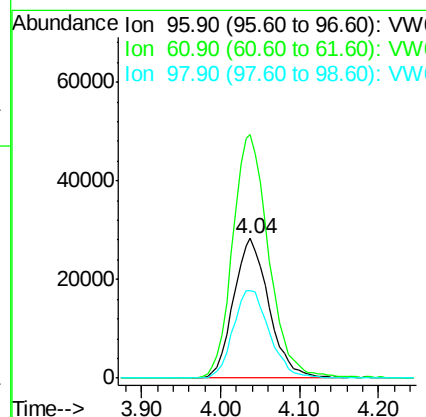
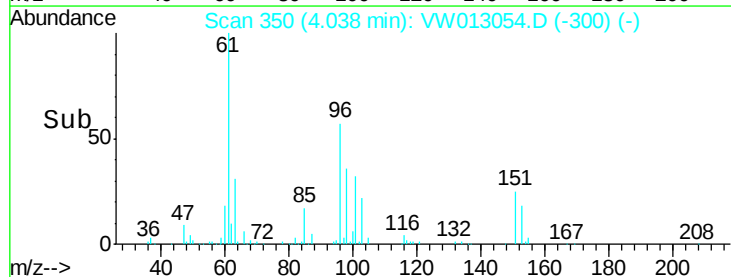
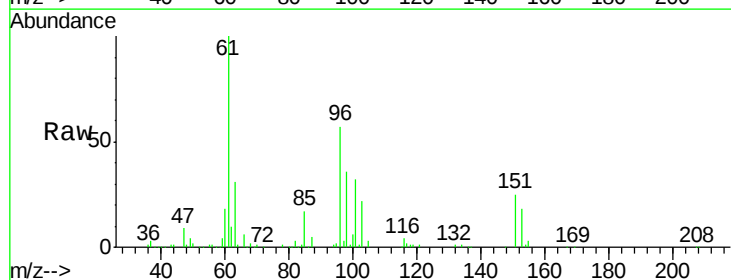
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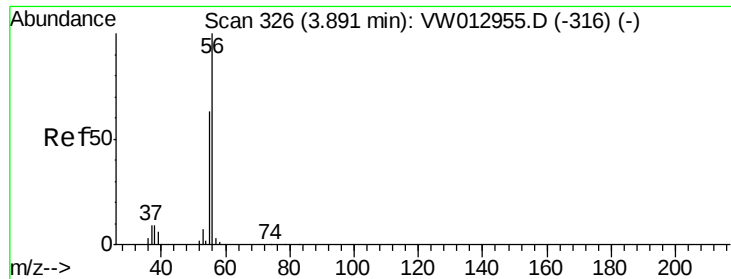


#12

1,1-Dichloroethene
 Concen: 47.213 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.6	137.9	206.9
98	62.6	48.9	73.3





#13

Acrolein

Concen: 341.939 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 62730

Ion Ratio Lower Upper

56 100

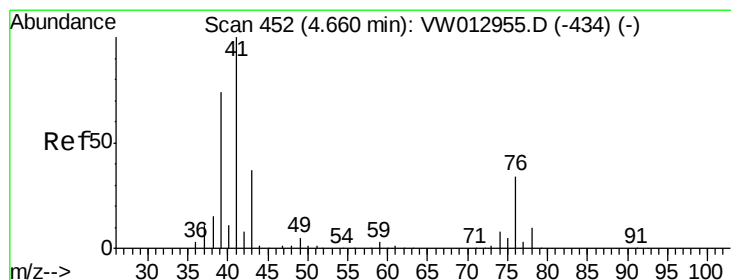
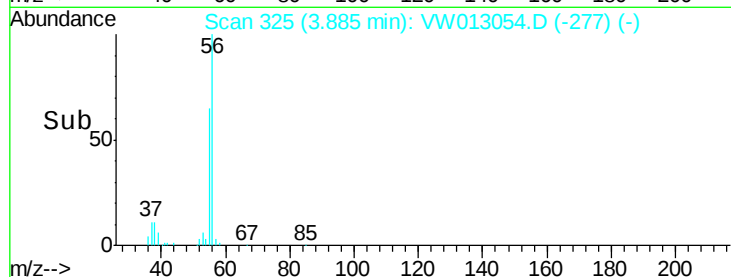
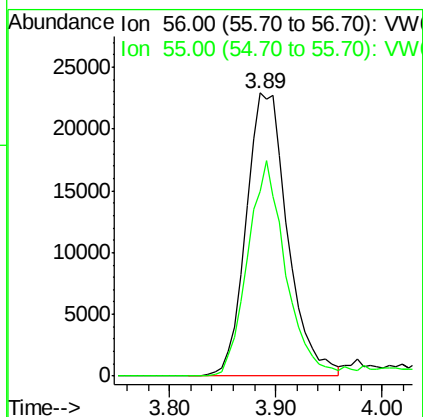
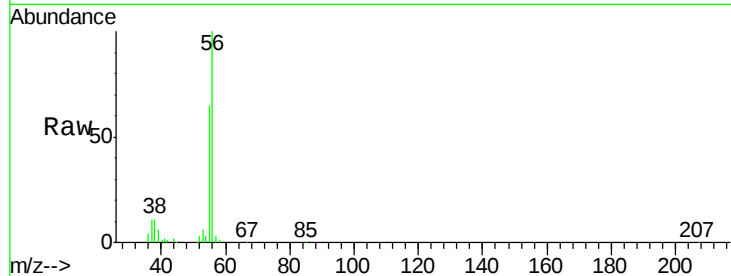
55 69.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 49.593 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

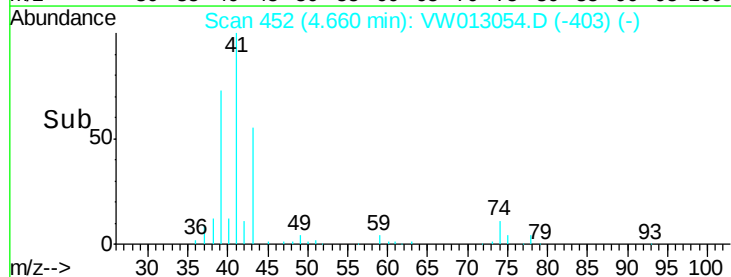
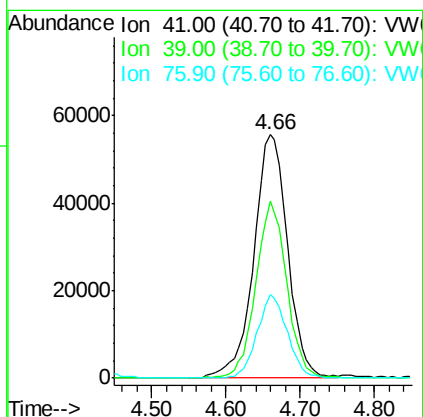
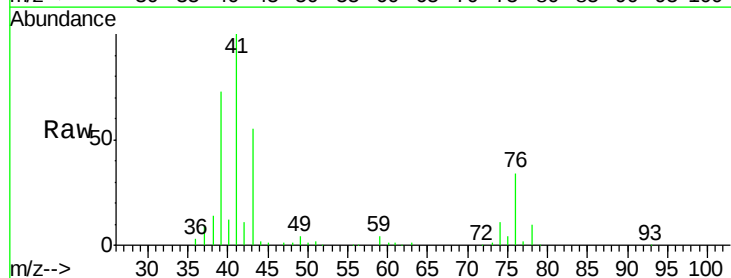
Tgt Ion: 41 Resp: 176436

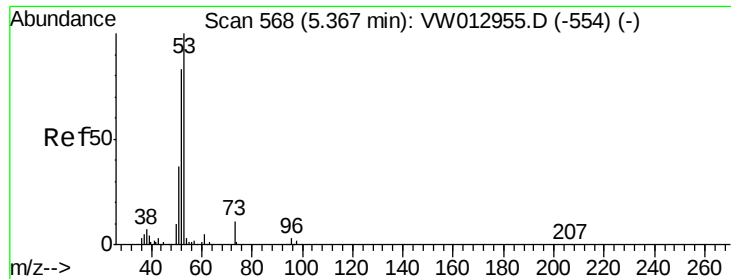
Ion Ratio Lower Upper

41 100

39 66.7 56.7 85.1

76 30.7 25.1 37.7





#15

Acrylonitrile

Concen: 342.117 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

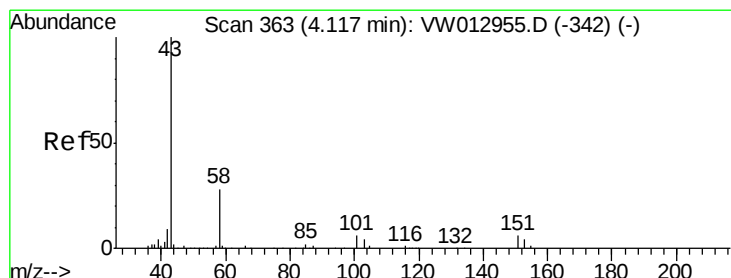
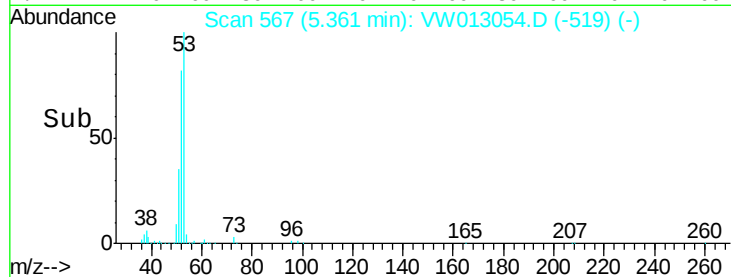
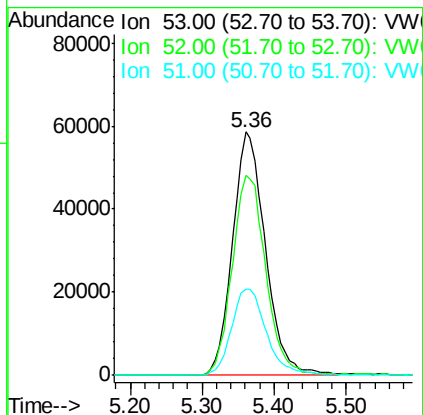
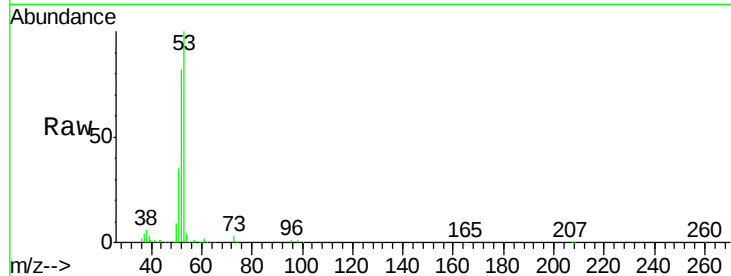
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	185408
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.6	100.0
51	37.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 311.070 ug/l

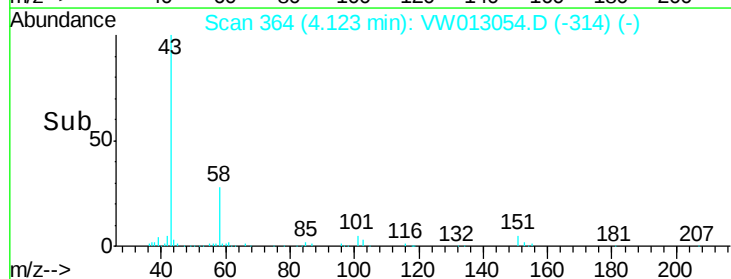
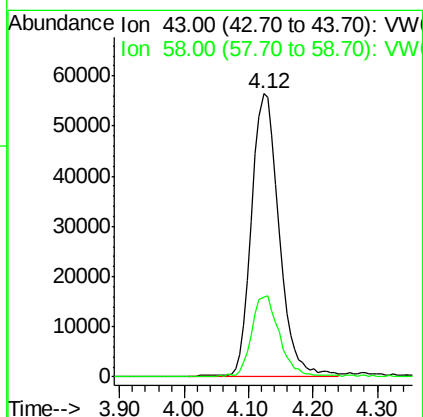
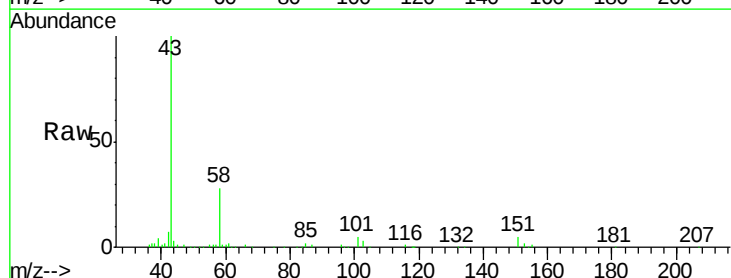
RT: 4.12 min Scan# 364

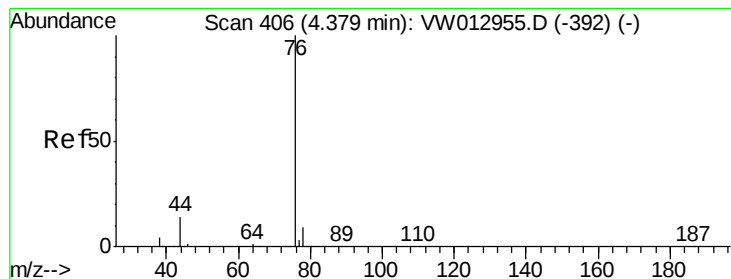
Delta R.T. 0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tgt Ion:	43	Resp:	166650
Ion Ratio	Lower	Upper	
43	100		
58	28.2	22.3	33.5





#17

Carbon Disulfide

Concen: 42.538 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 158862

Ion Ratio Lower Upper

76 100

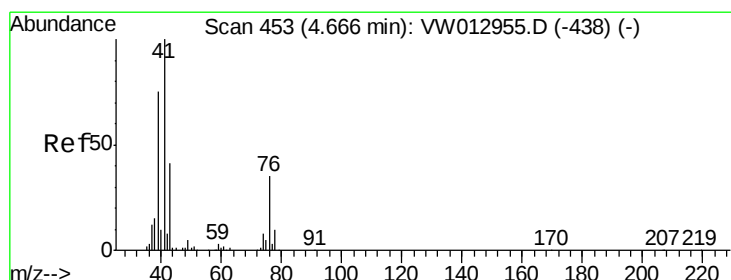
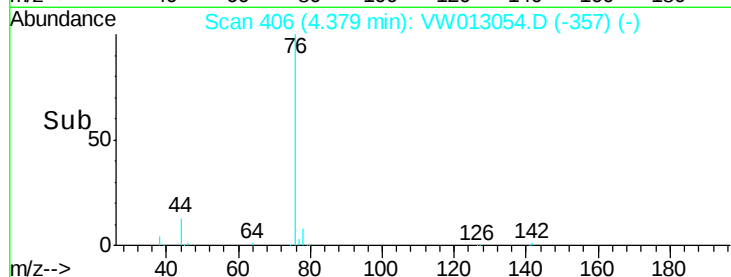
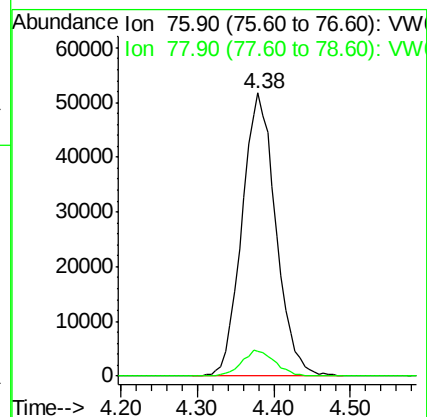
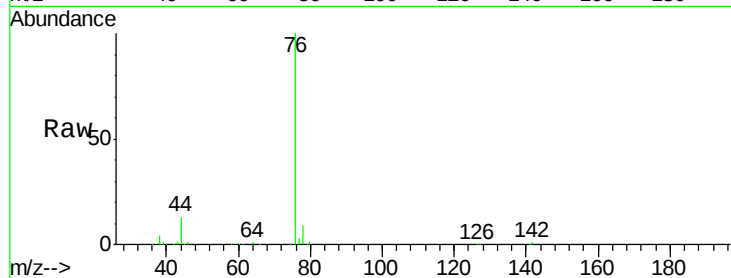
78 8.9 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 67.760 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013054.D

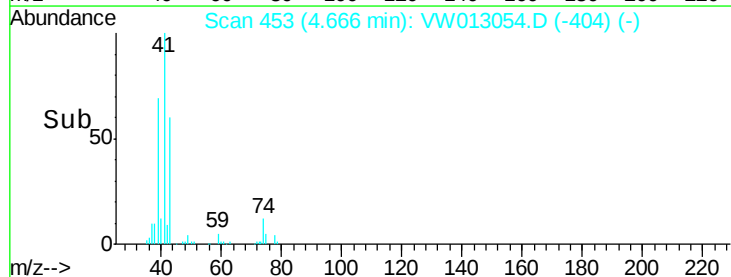
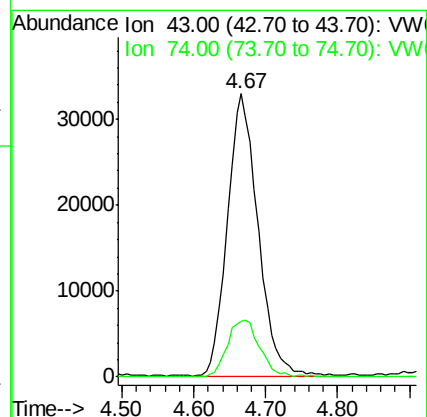
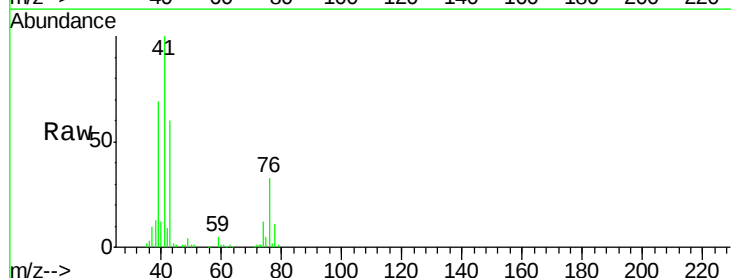
Acq: 16 Sep 2019 20:42

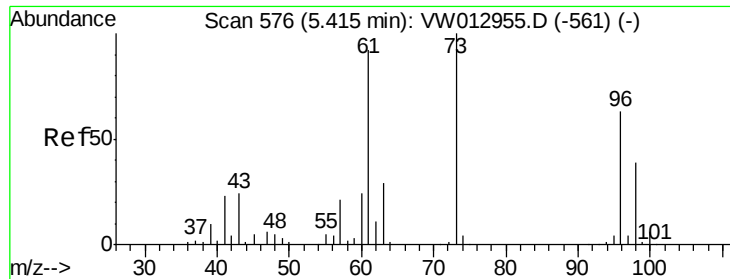
Tgt Ion: 43 Resp: 96798

Ion Ratio Lower Upper

43 100

74 21.1 17.8 26.8





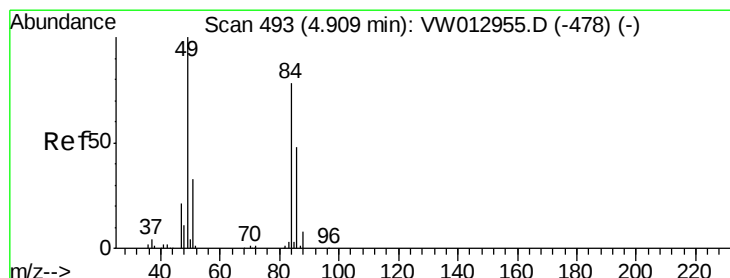
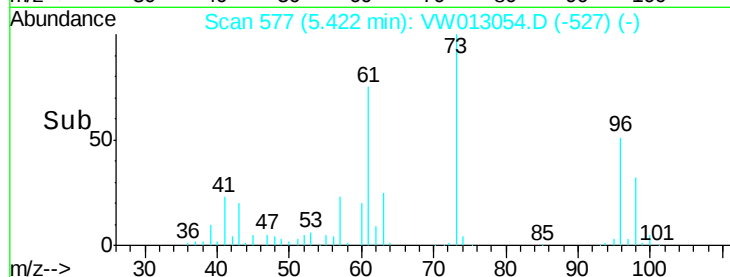
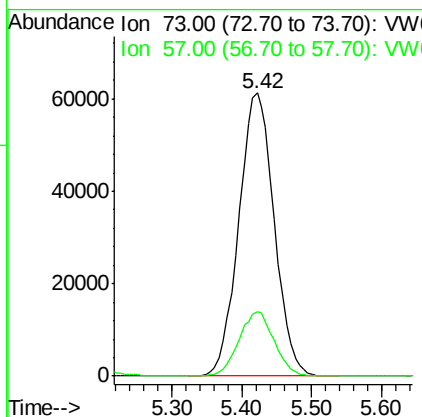
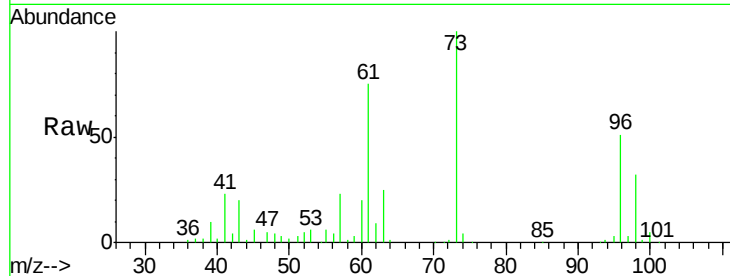
#19
Methyl tert-butyl Ether
Concen: 58.041 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 214706
Ion Ratio Lower Upper
73 100
57 23.0 16.4 24.6

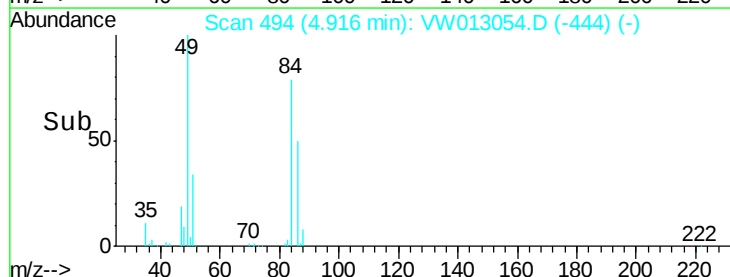
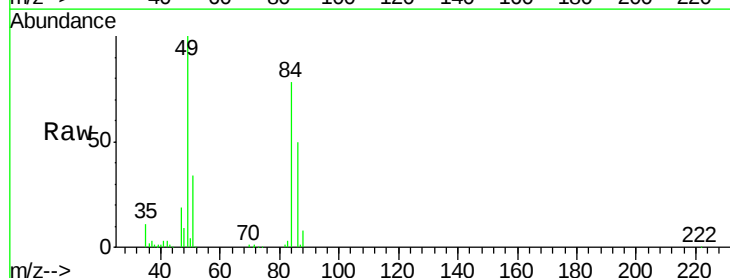
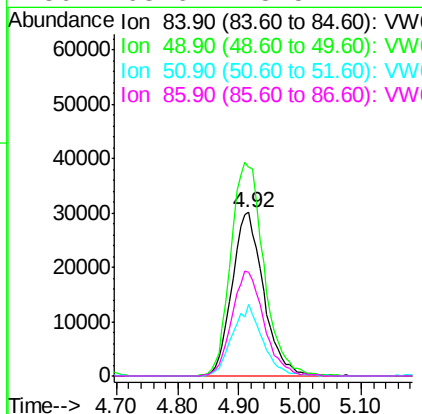
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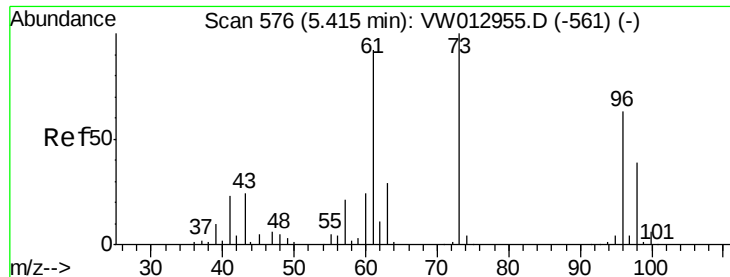
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#20
Methylene Chloride
Concen: 53.289 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 84 Resp: 107257
Ion Ratio Lower Upper
84 100
49 127.7 102.0 153.0
51 43.7 34.0 51.0
86 63.6 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 47.263 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 94862

Ion Ratio Lower Upper

96 100

61 154.5 116.2 174.2

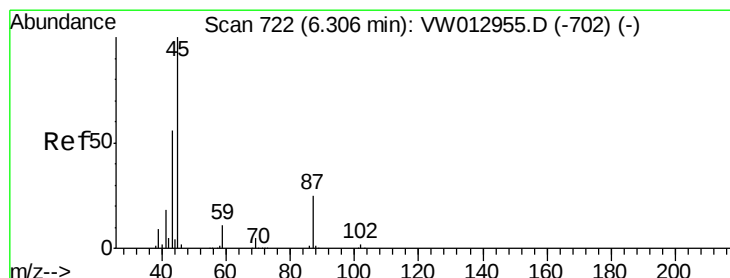
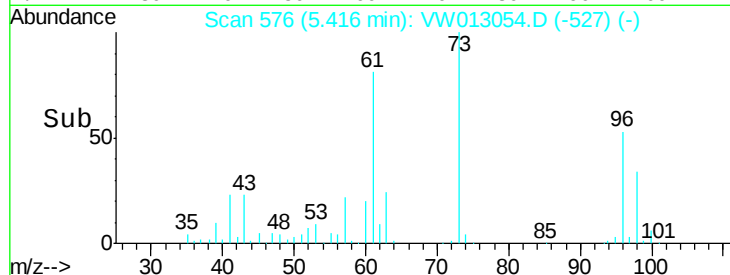
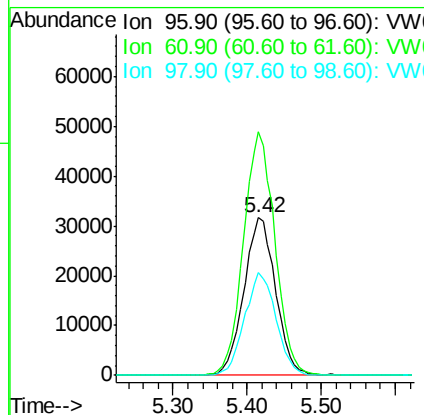
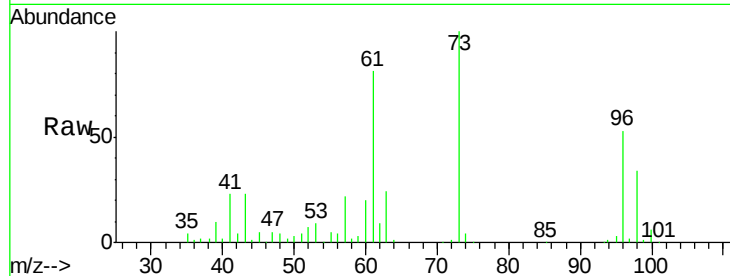
98 65.5 49.8 74.6

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#22

Diisopropyl ether

Concen: 56.578 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tgt Ion: 45 Resp: 418158

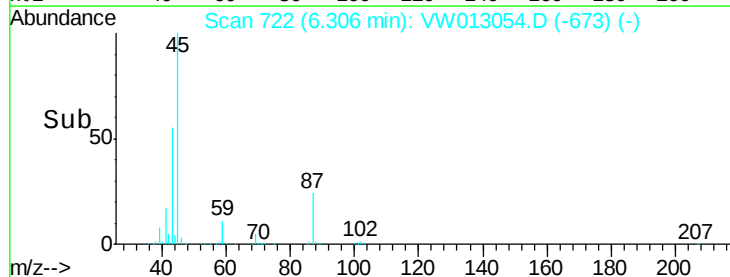
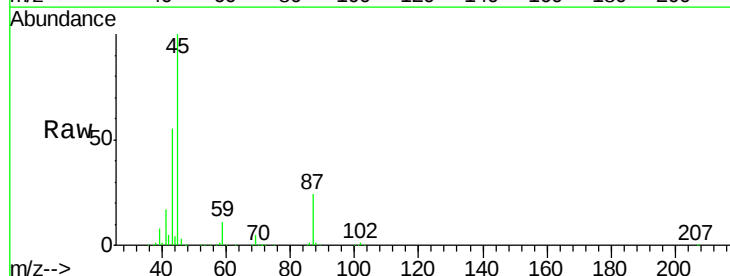
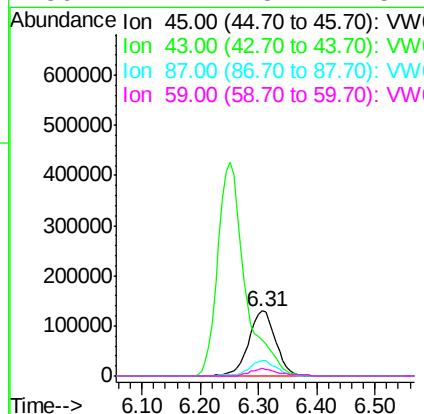
Ion Ratio Lower Upper

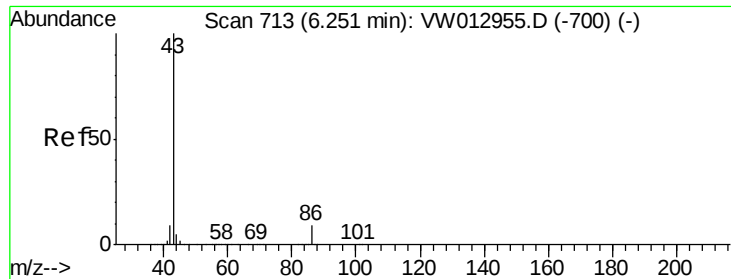
45 100

43 55.1 44.6 67.0

87 23.6 20.0 30.0

59 11.2 8.7 13.1





#23

Vinyl Acetate

Concen: 312.646 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tot Ion: 43 Resp: 1383973

Ion Ratio Lower Upper

43 100

86 9.5 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

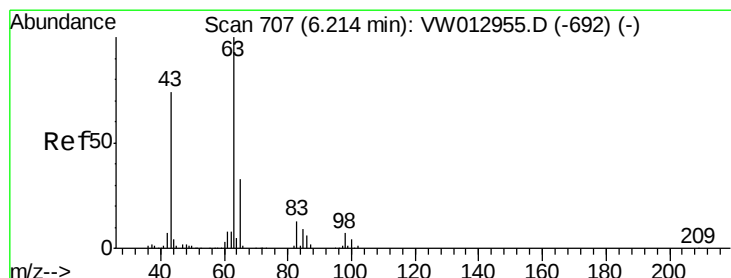
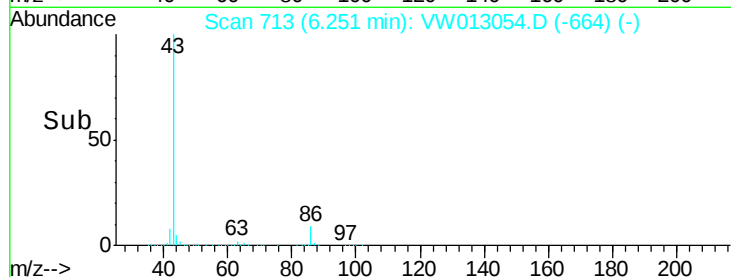
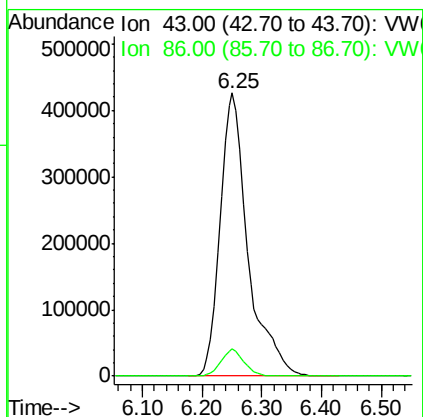
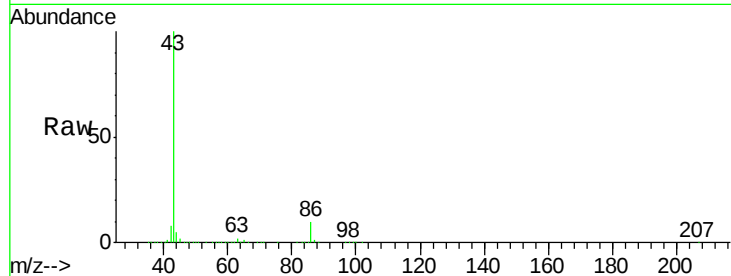
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 51.298 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

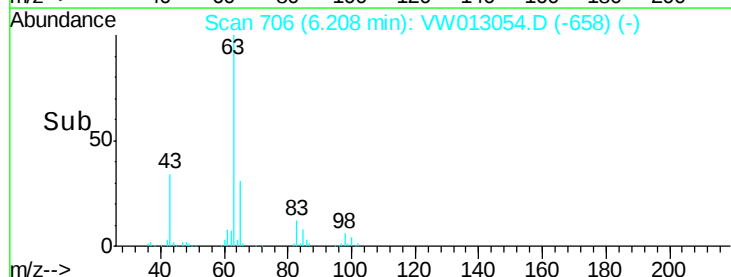
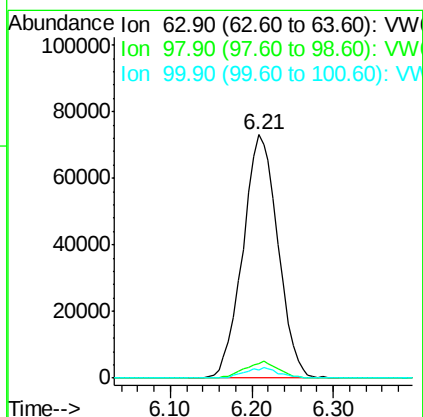
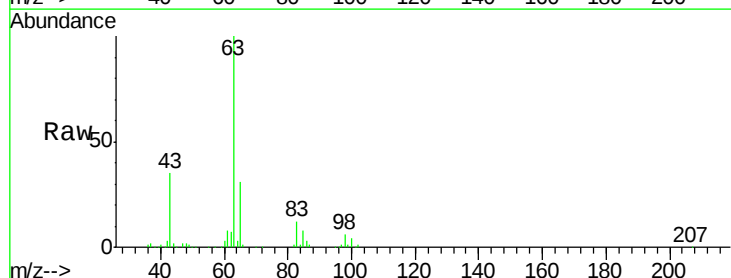
Tgt Ion: 63 Resp: 218596

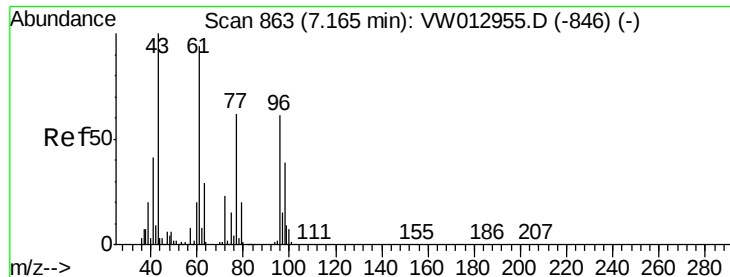
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 3.6 1.8 5.5





#25

2-Butanone

Concen: 334.628 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tot Ion: 43 Resp: 266800

Ion Ratio Lower Upper

43 100

72 23.0 18.2 27.4

Instrument :

MSVOA_W

ClientSampleId :

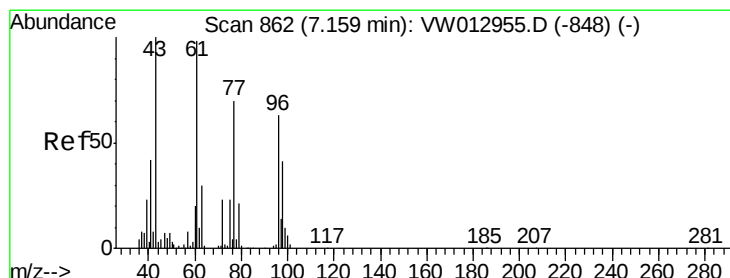
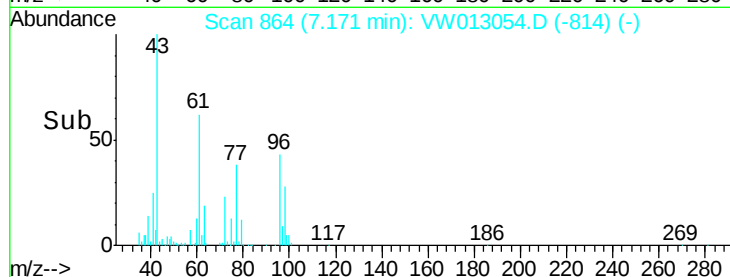
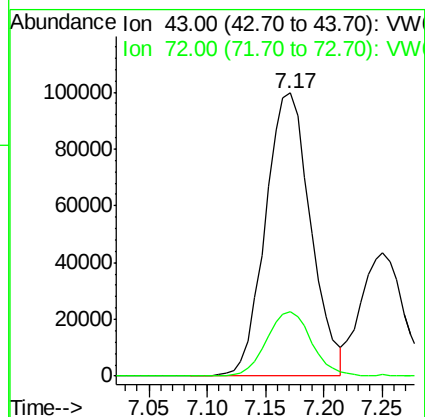
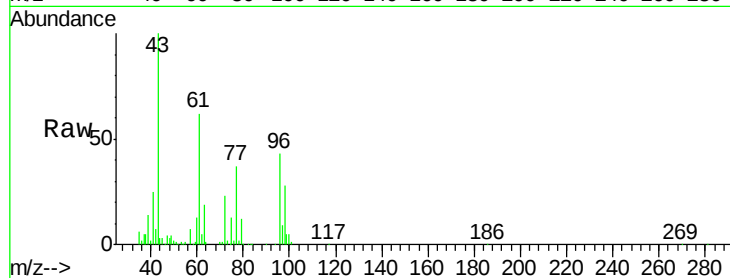
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 45.985 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013054.D

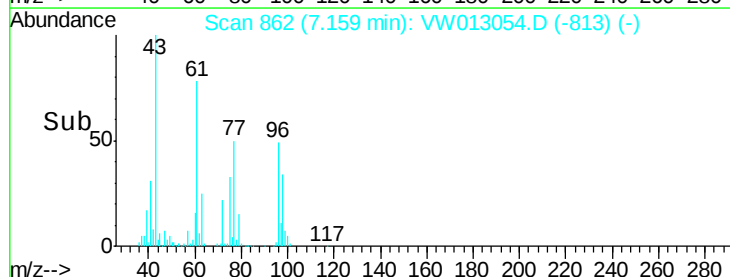
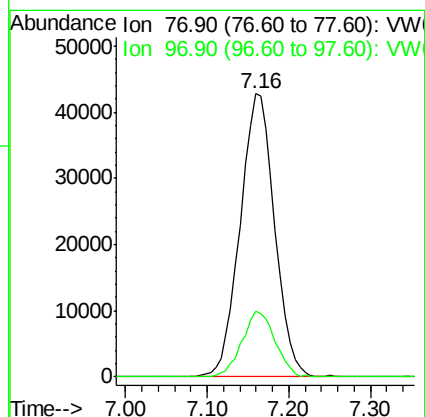
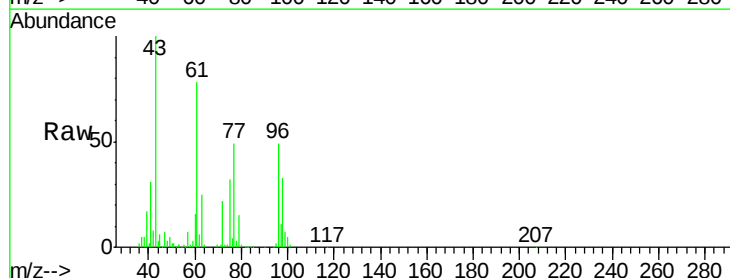
Acq: 16 Sep 2019 20:42

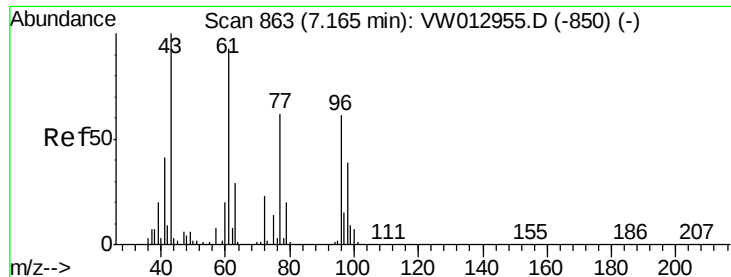
Tgt Ion: 77 Resp: 125302

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1





#27

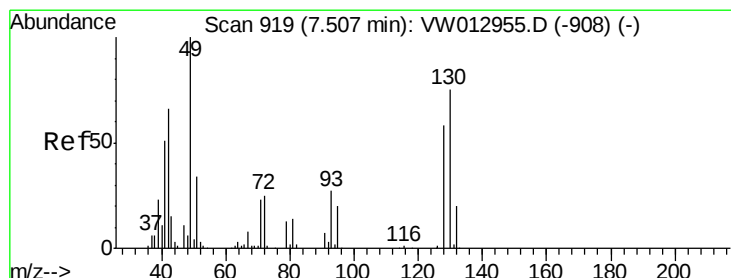
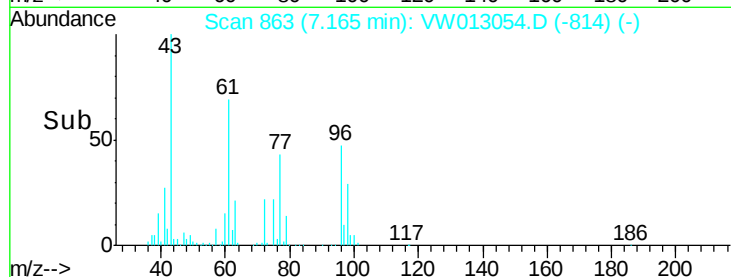
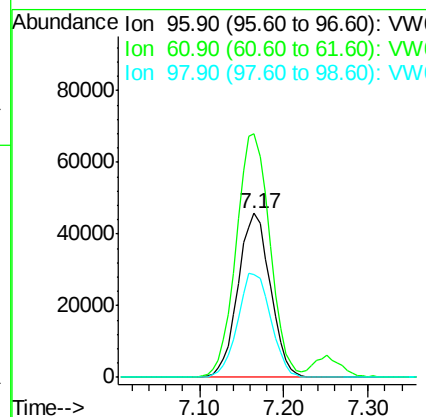
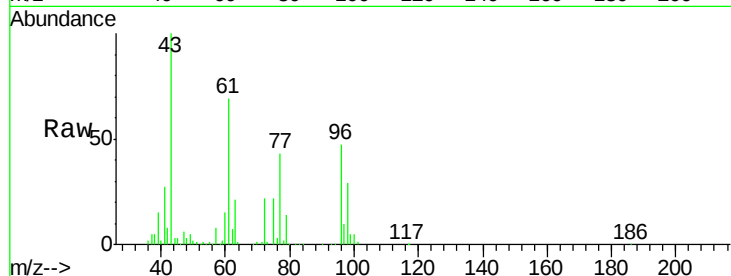
cis-1,2-Dichloroethene
 Concen: 49.527 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119011		
61	154.5	0.0	315.4	
98	64.7	0.0	131.0	

Manual Integrations
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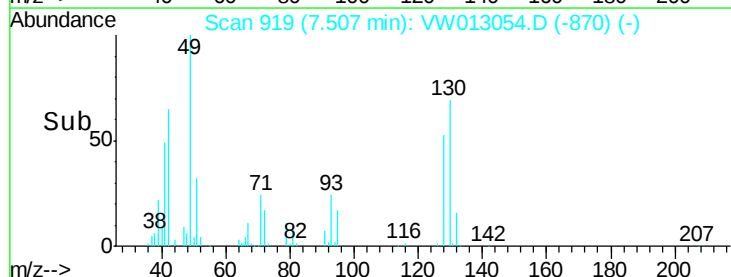
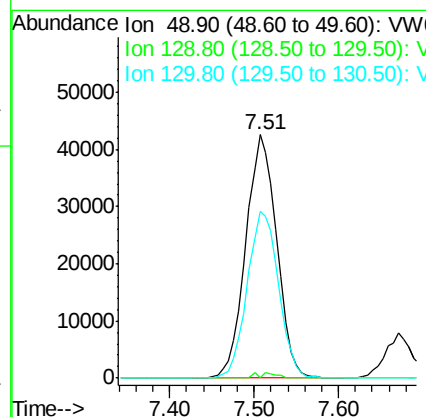
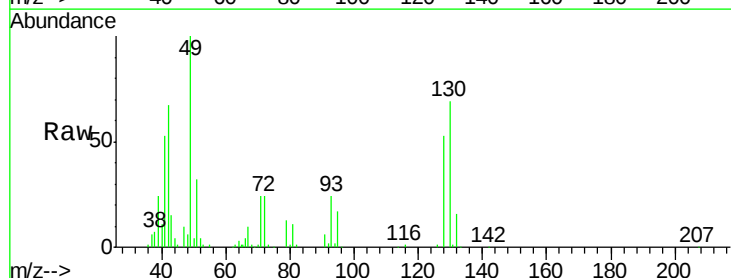
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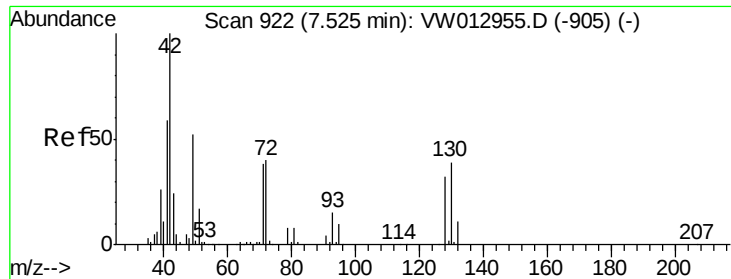


#28

Bromochloromethane
 Concen: 59.011 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	105840		
129	0.3	0.0	1.4	
130	69.6	57.8	86.6	





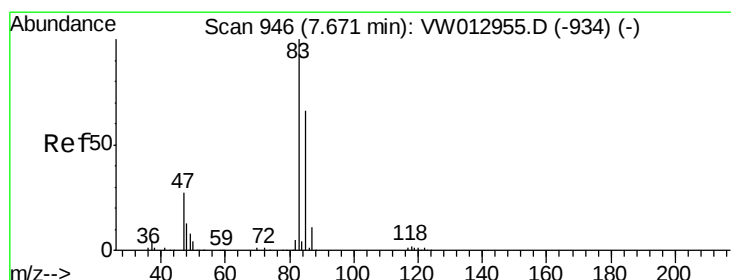
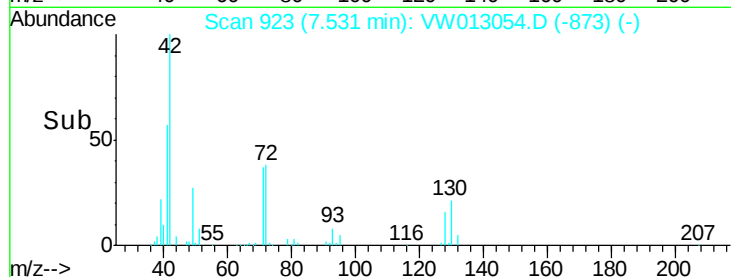
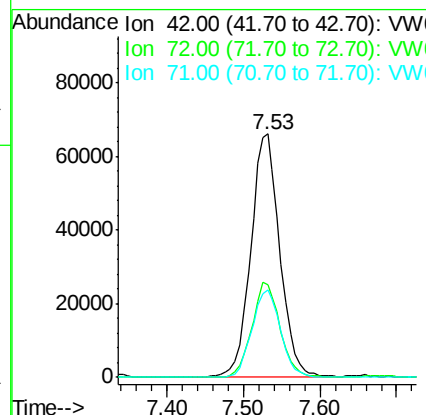
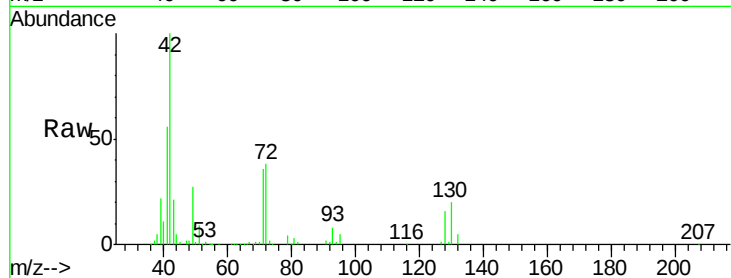
#29
Tetrahydrofuran
Concen: 383.656 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	31.4	47.0
71	35.9	29.8	44.8

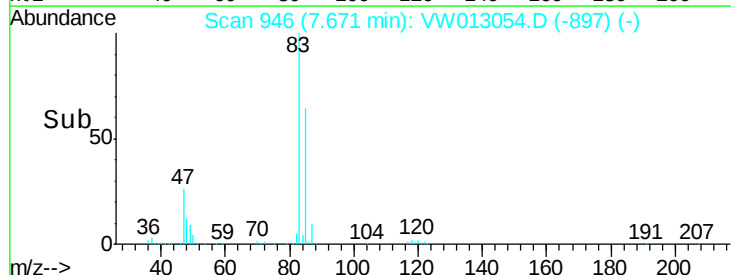
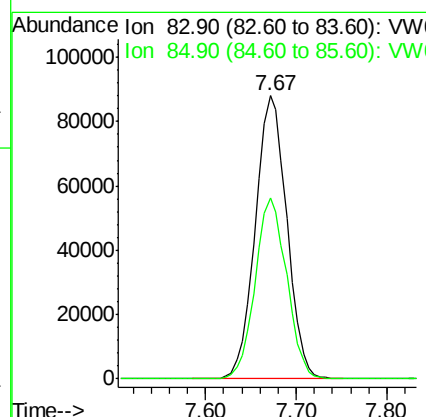
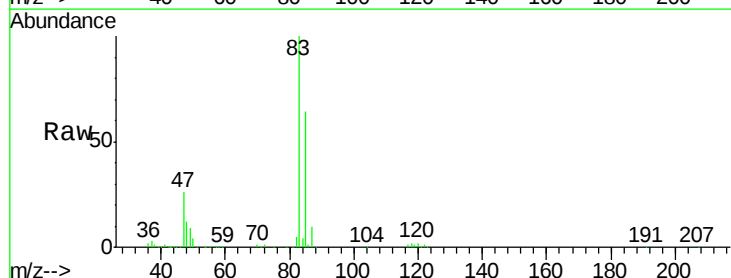
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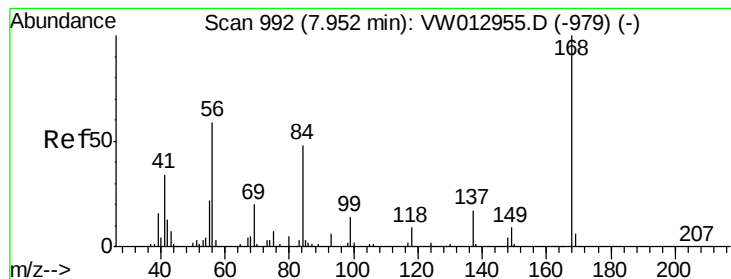
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#30
Chloroform
Concen: 48.849 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2





#31

Cyclohexane

Concen: 54.853 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

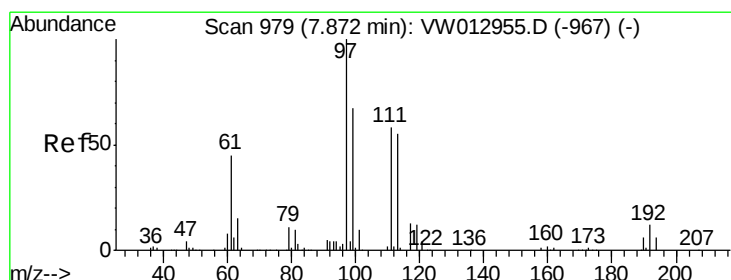
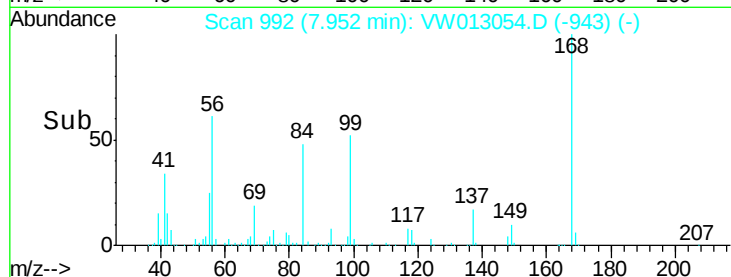
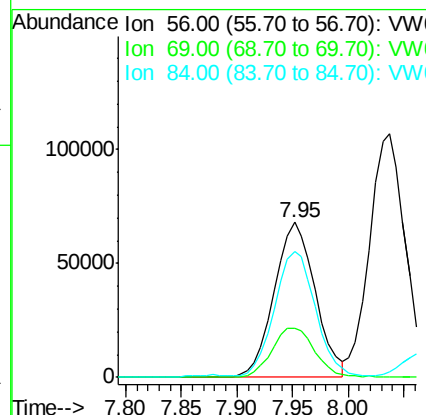
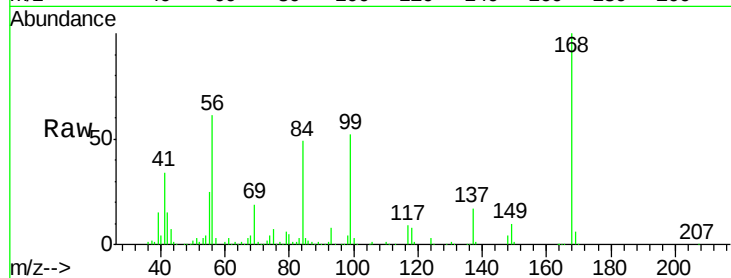
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	174145
Ion Ratio	Lower	Upper	
56	100		
69	32.0	27.0	40.6
84	79.9	66.2	99.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.183 ug/l

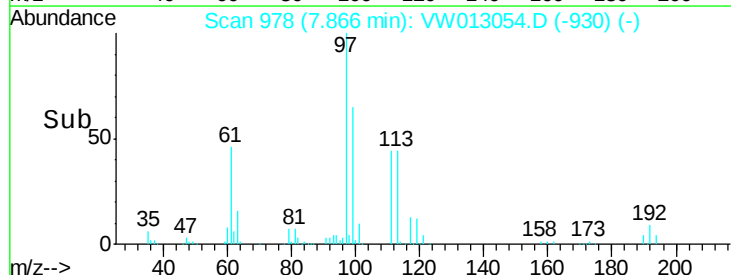
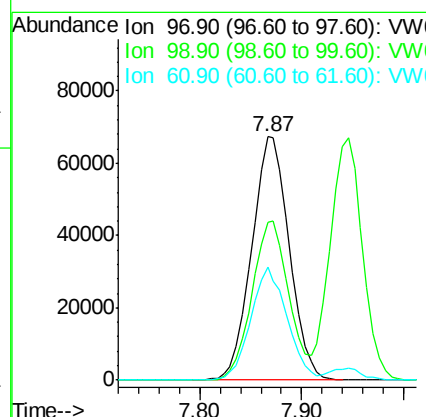
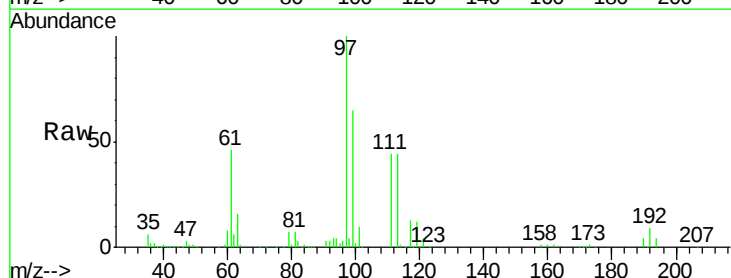
RT: 7.87 min Scan# 978

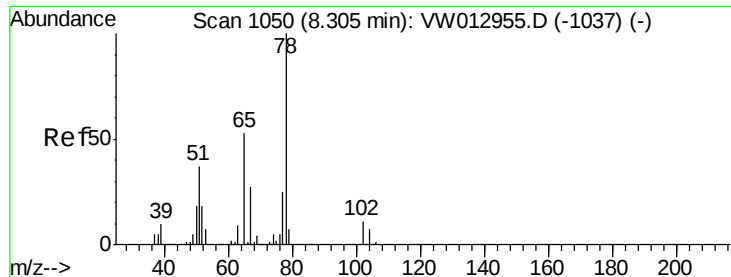
Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tgt Ion:	97	Resp:	171805
Ion Ratio	Lower	Upper	
97	100		
99	64.7	53.0	79.4
61	44.9	36.5	54.7





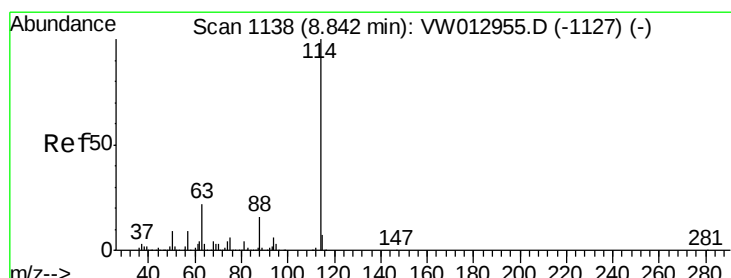
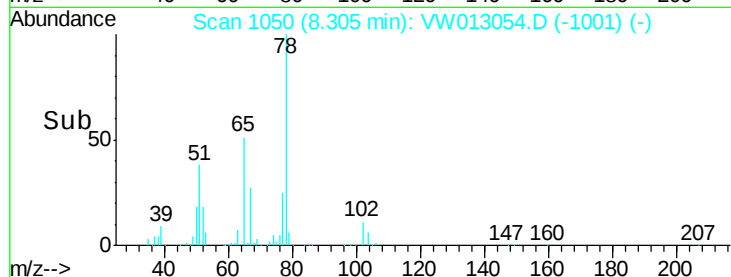
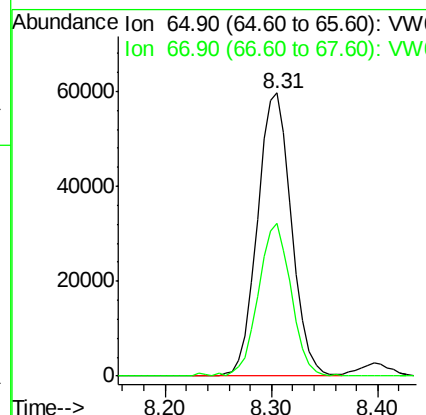
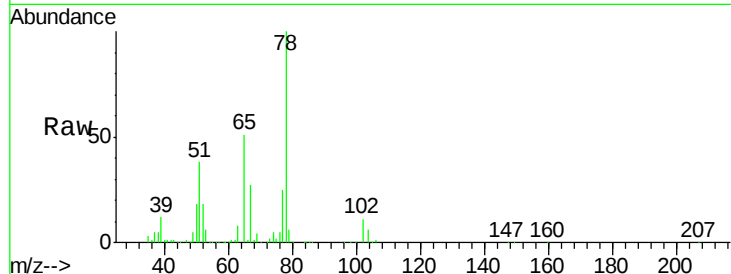
#33
 1,2-Dichloroethane-d4
 Concen: 53.188 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133365		
67	52.4	0.0	101.2	

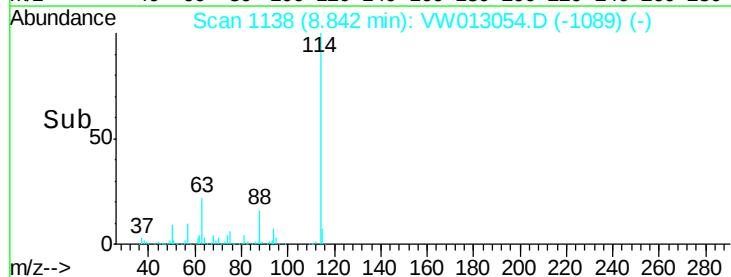
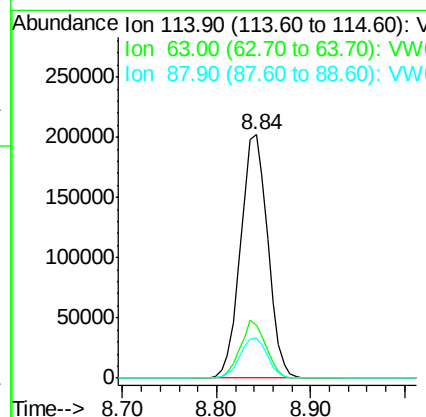
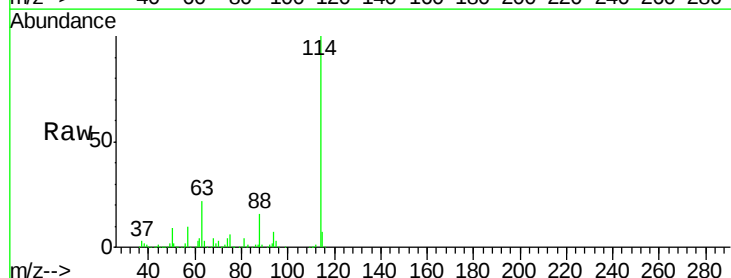
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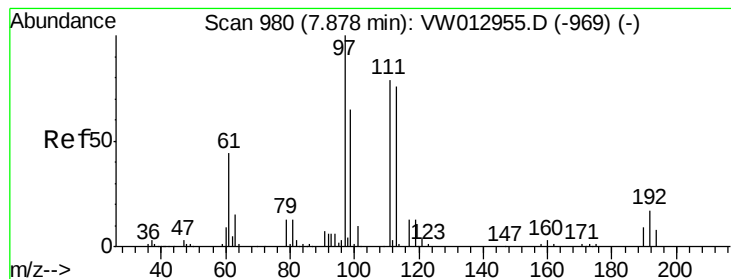
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	406400		
63	21.8	0.0	43.4	
88	16.3	0.0	31.6	





#35

Dibromofluoromethane

Concen: 49.787 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

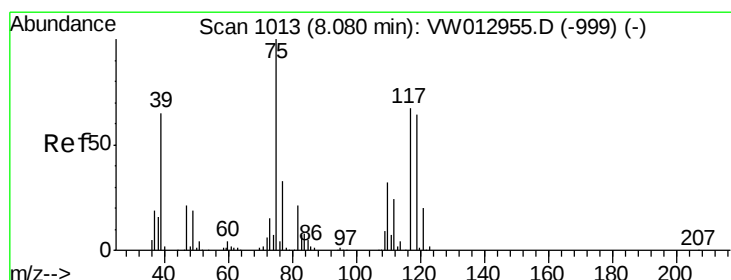
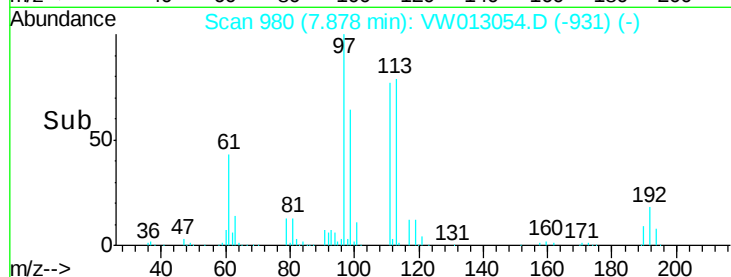
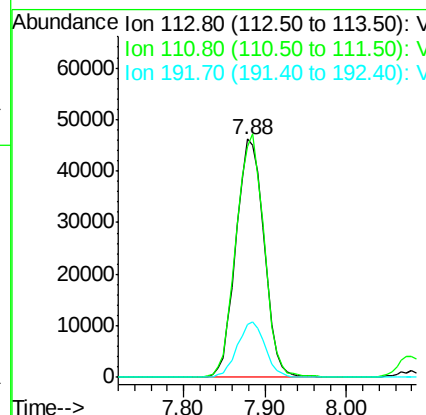
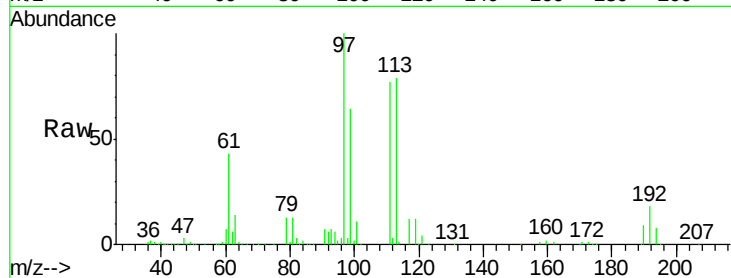
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	109789
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.8	124.2
192	23.0	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 47.438 ug/l

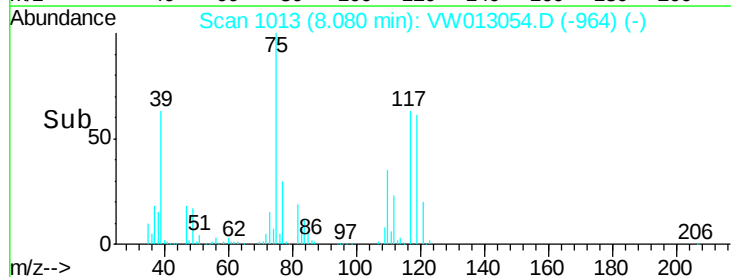
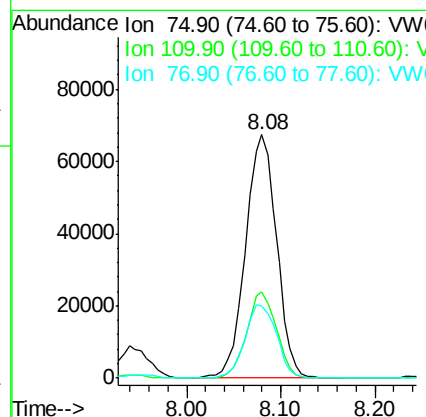
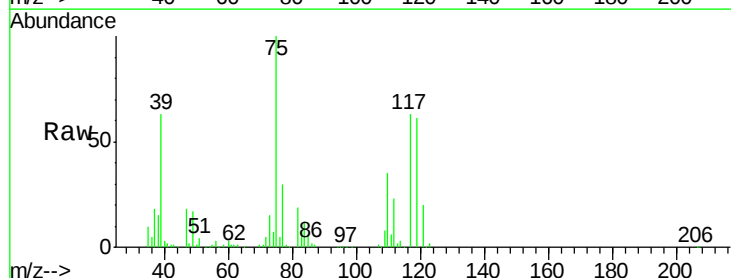
RT: 8.08 min Scan# 1013

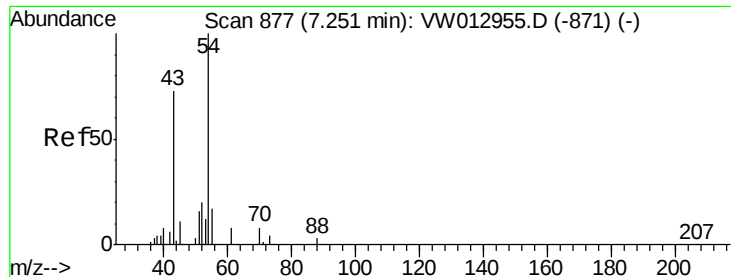
Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tgt Ion:	75	Resp:	154054
Ion Ratio	Lower	Upper	
75	100		
110	34.1	16.4	49.1
77	31.1	25.1	37.7





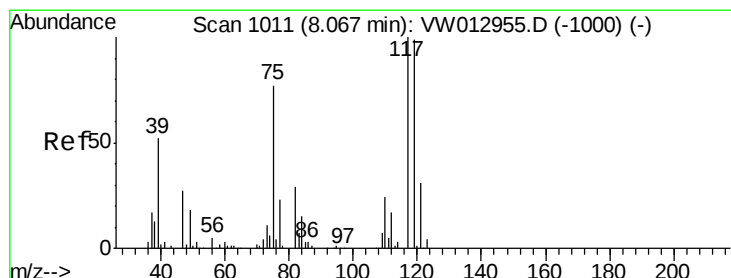
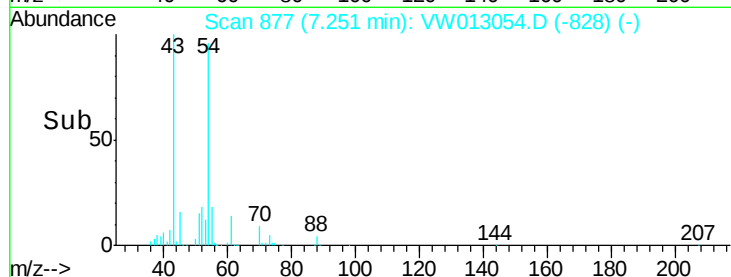
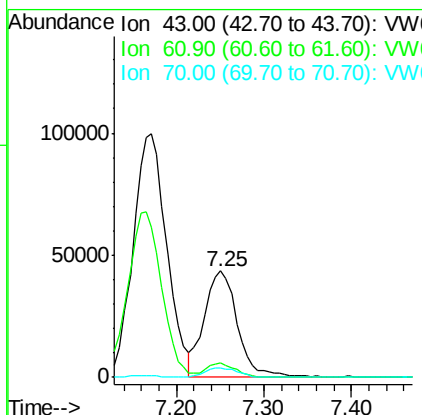
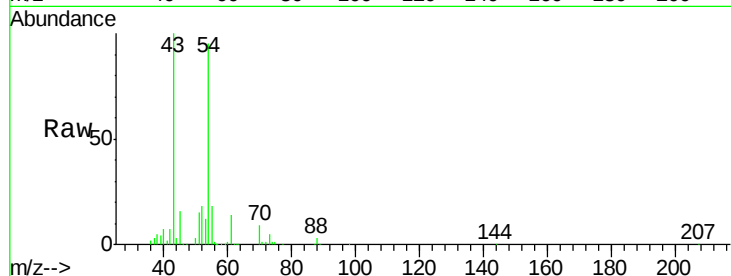
#37
Ethyl Acetate
Concen: 65.630 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.5	9.6	14.4	
70	9.4	7.6	11.4	

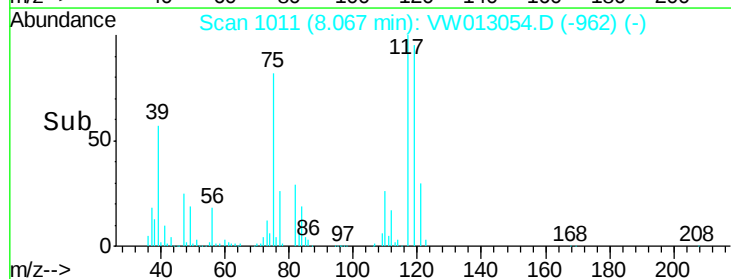
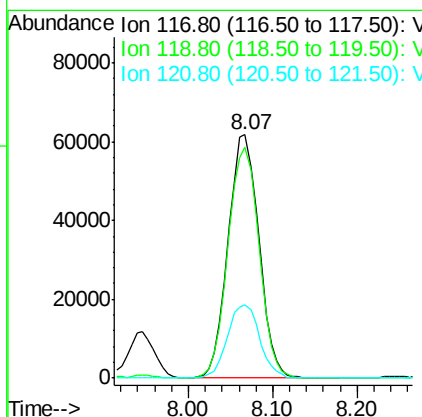
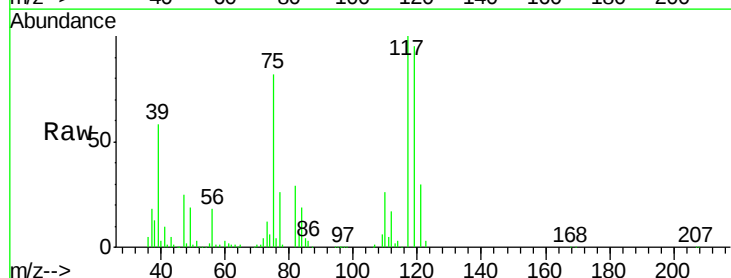
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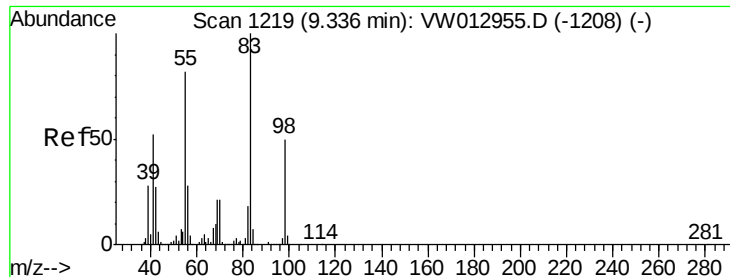
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#38
Carbon Tetrachloride
Concen: 45.950 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.7	79.4	119.0	
121	29.9	24.6	36.8	





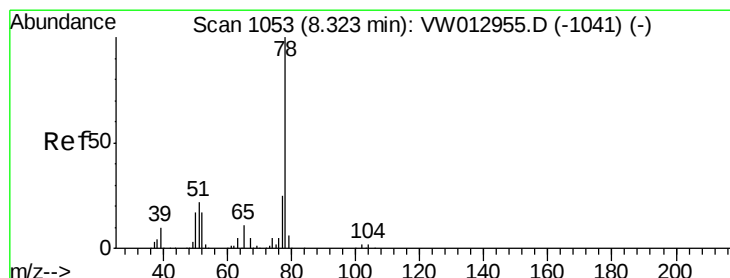
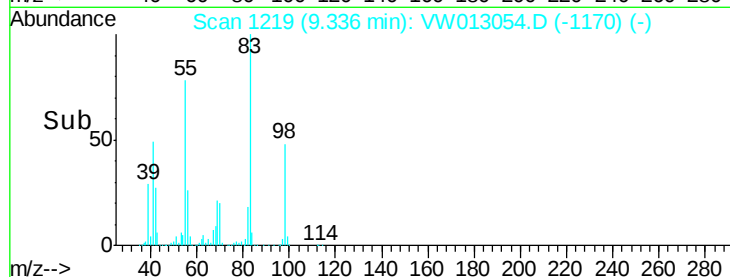
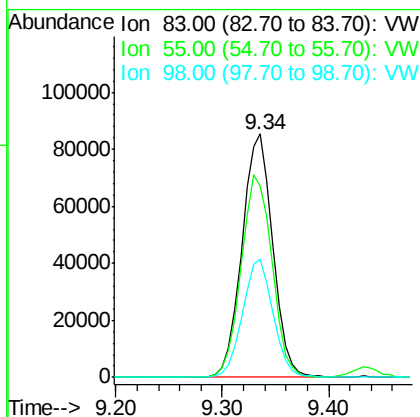
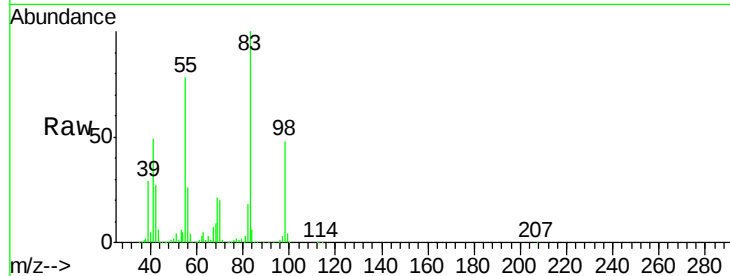
#39
Methvlcvclohexane
Concen: 48.611 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	65.9	98.9
98	48.4	39.6	59.4

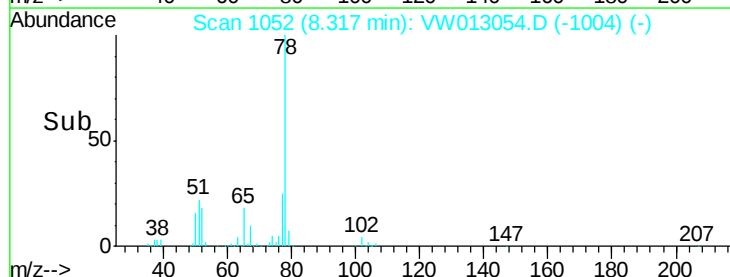
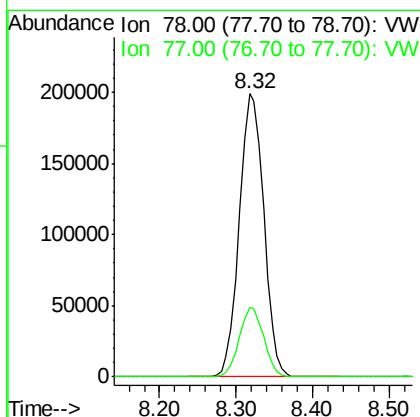
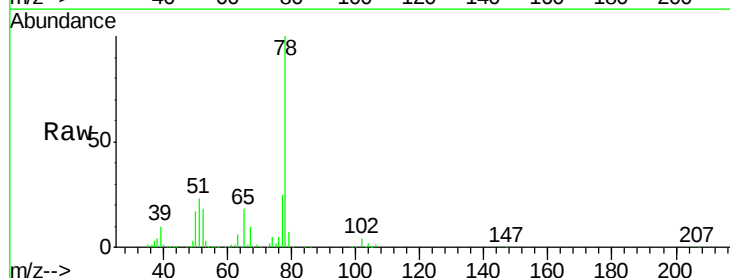
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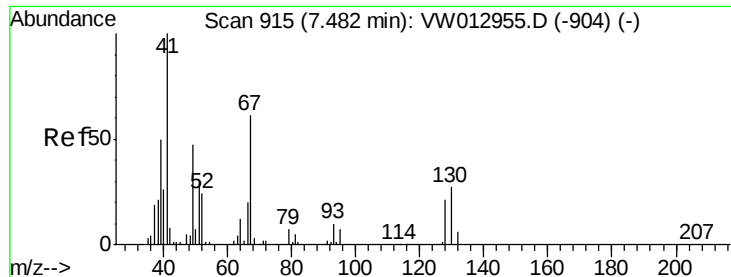
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#40
Benzene
Concen: 48.887 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.6	29.4





#41

Methacrylonitrile

Concen: 64.264 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 72948

Ion Ratio Lower Upper

41 100

39 52.0 48.2 72.4

67 60.3 47.5 71.3

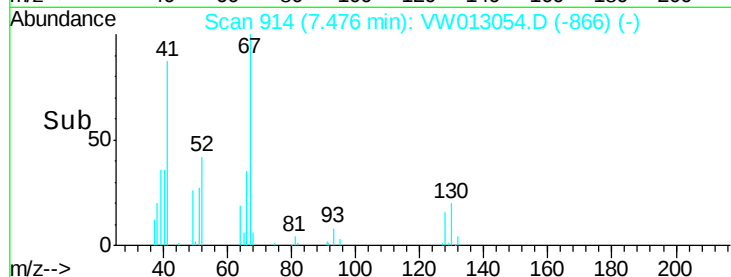
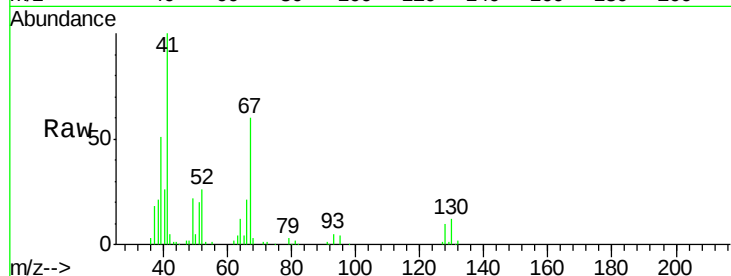
52 26.6 21.0 31.4

Manual Integrations

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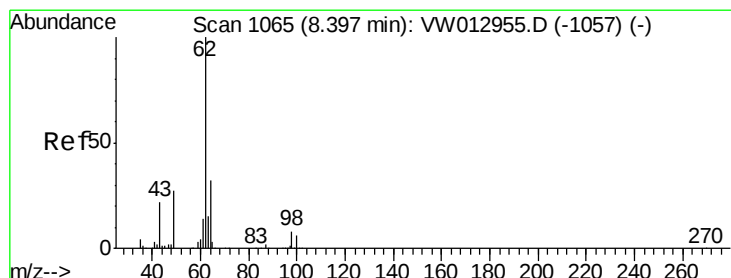
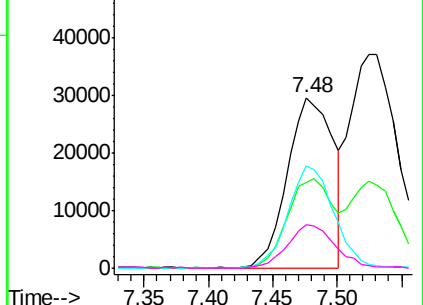


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 48.351 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013054.D

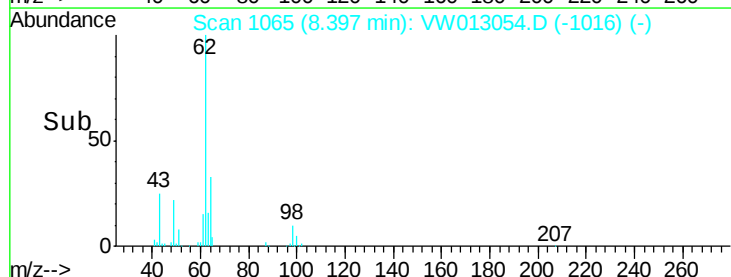
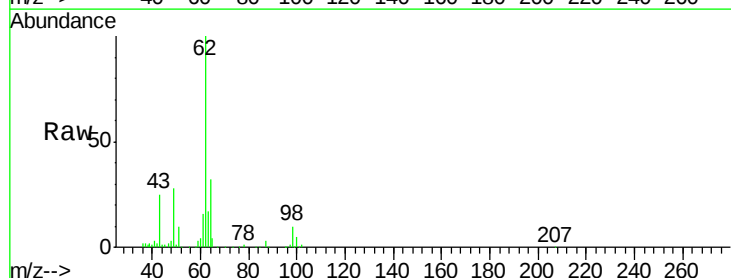
Acq: 16 Sep 2019 20:42

Tgt Ion: 62 Resp: 146942

Ion Ratio Lower Upper

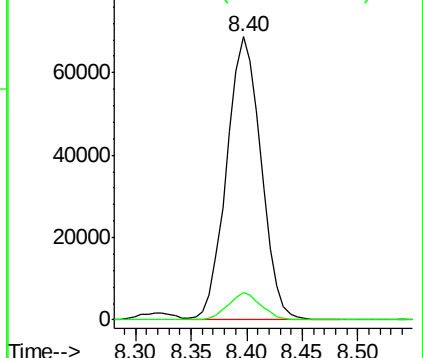
62 100

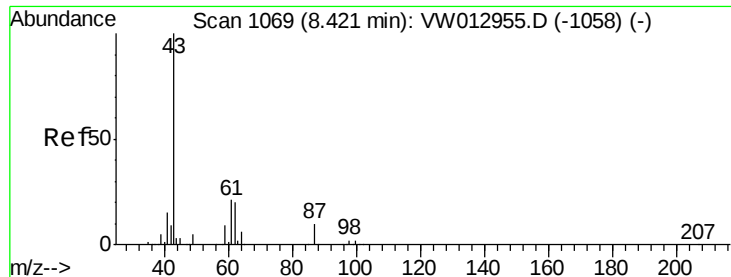
98 9.3 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





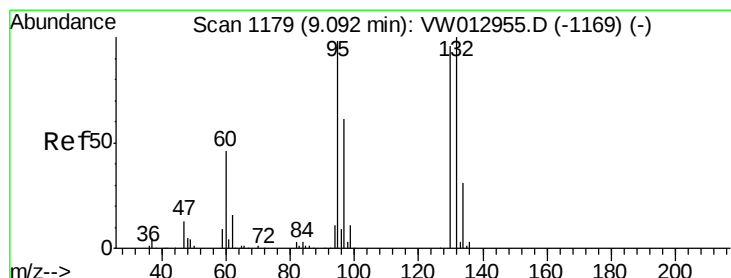
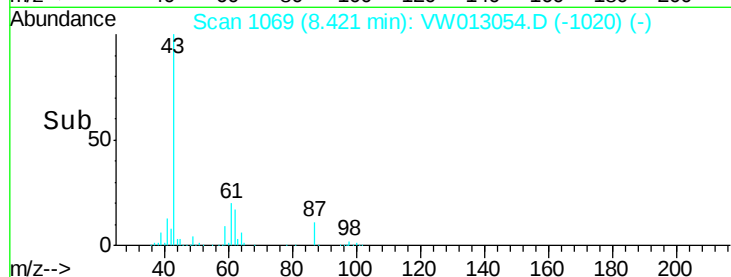
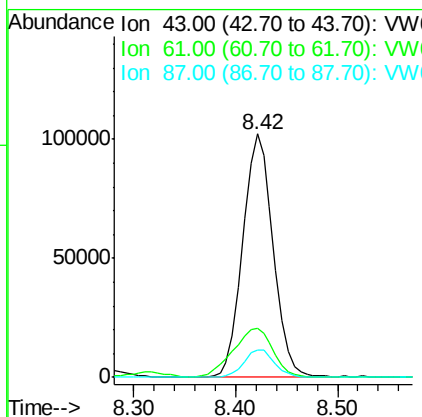
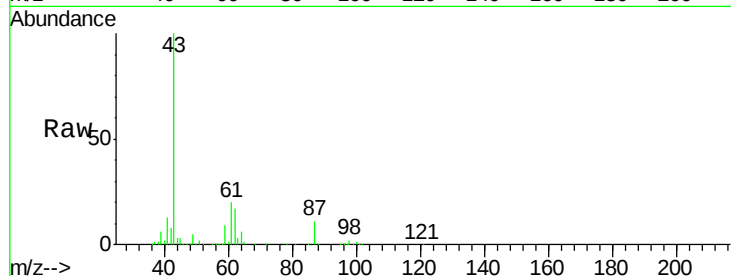
#43
Isopropyl Acetate
Concen: 63.707 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	22.7	34.1
87	11.6	9.4	14.2

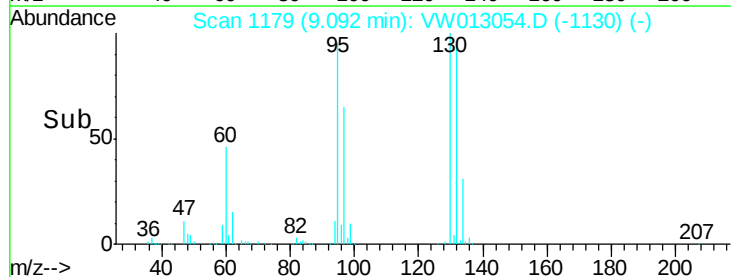
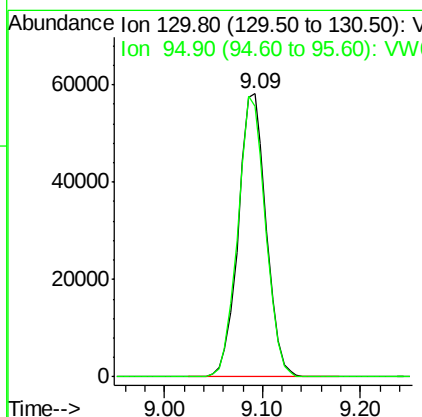
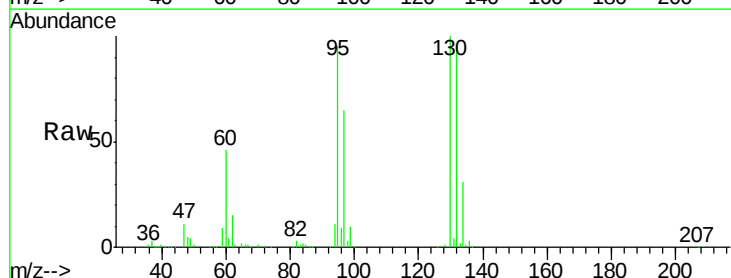
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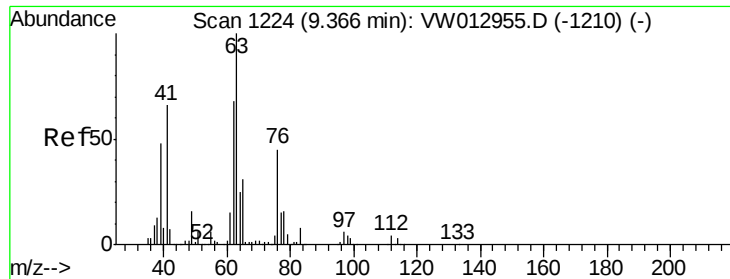
MMDadoda
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#44
Trichloroethene
Concen: 46.051 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	204.4





#45

1,2-Dichloropropane

Concen: 51.238 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 123415

Ion Ratio Lower Upper

63 100

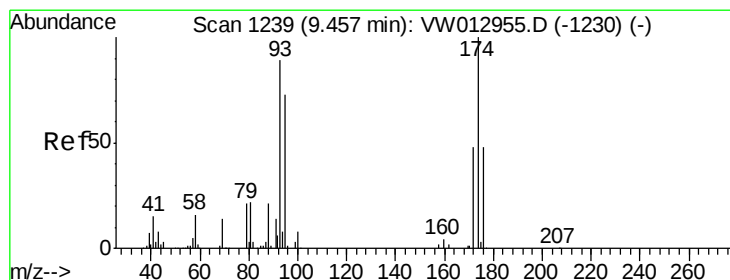
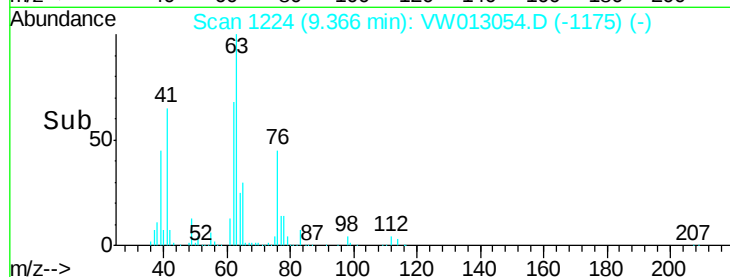
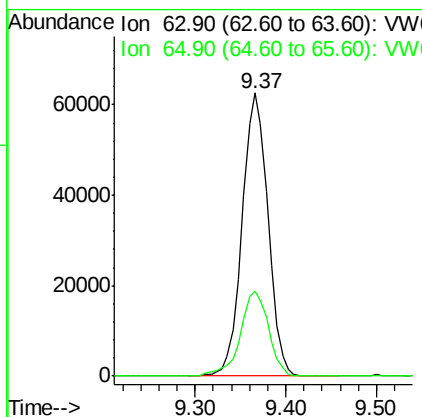
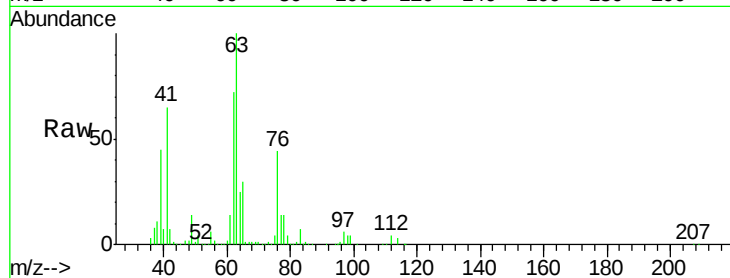
65 30.1 24.6 37.0

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#46

Dibromomethane

Concen: 53.996 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

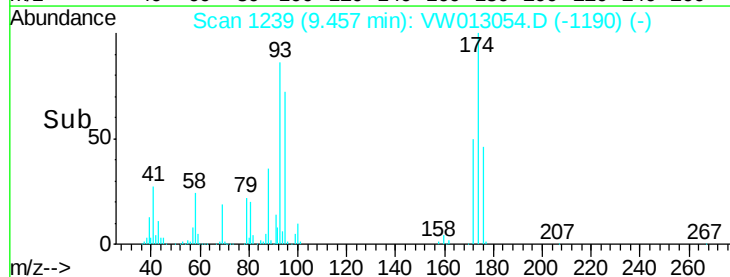
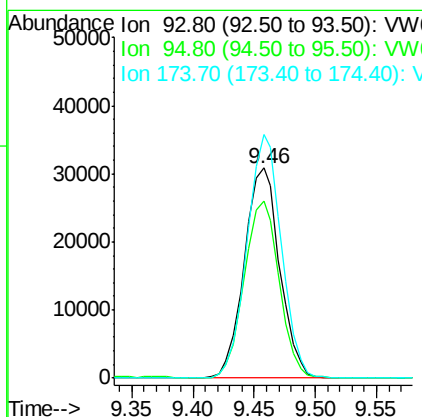
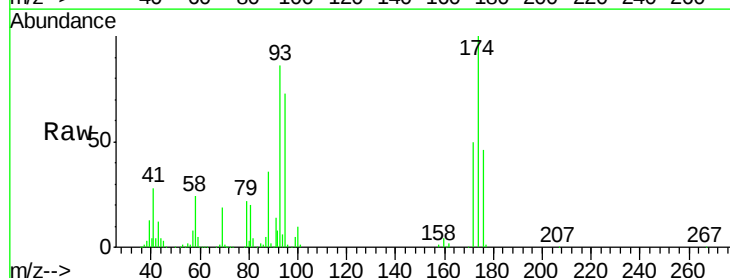
Tgt Ion: 93 Resp: 62311

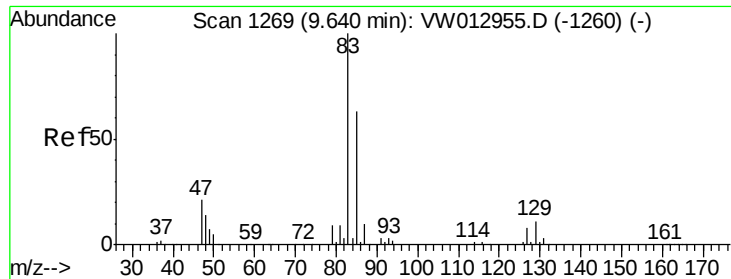
Ion Ratio Lower Upper

93 100

95 83.6 67.0 100.4

174 112.1 90.5 135.7





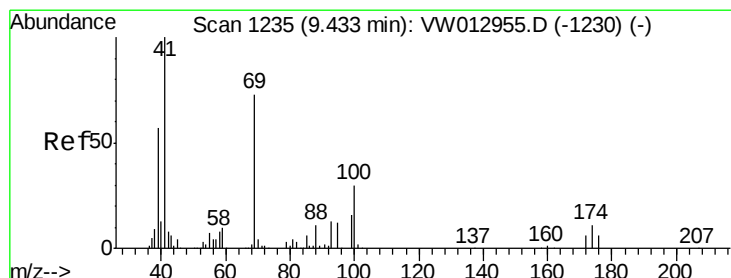
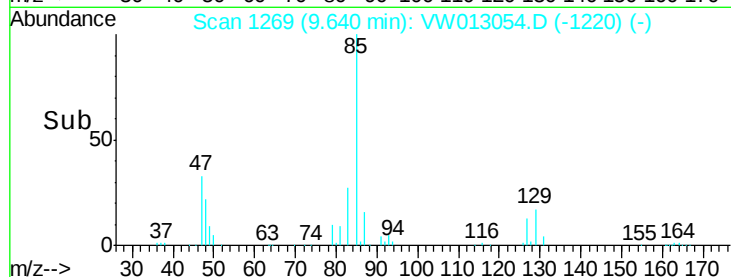
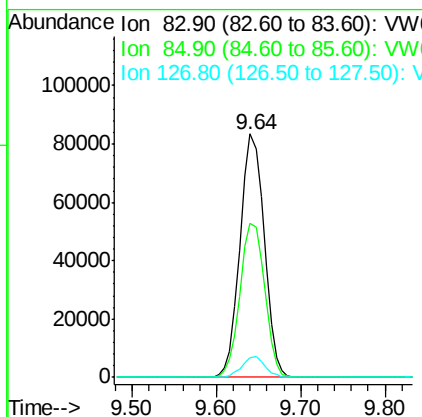
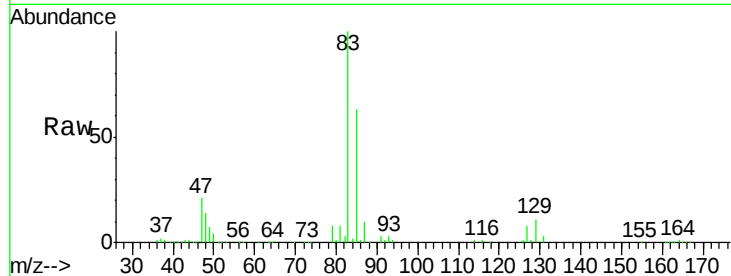
#47
 Bromodichloromethane
 Concen: 49.857 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	161384		
85	63.4	50.6	75.8	
127	8.3	6.7	10.1	

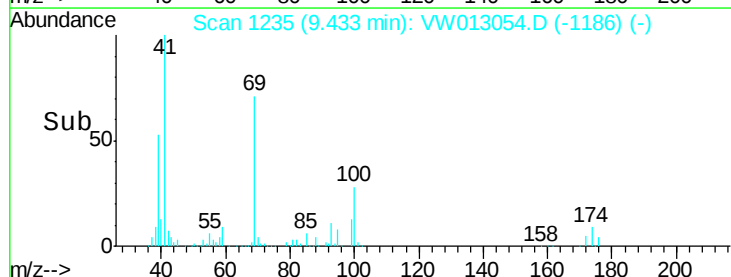
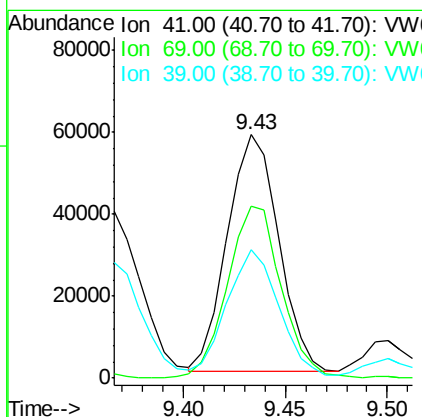
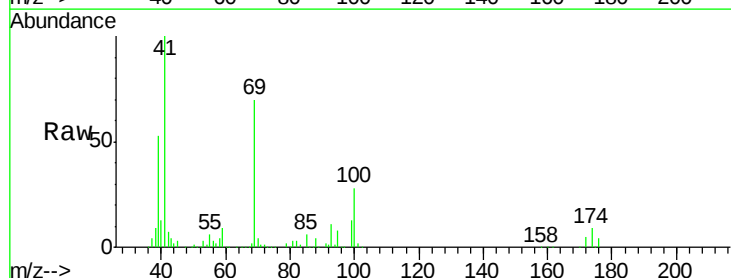
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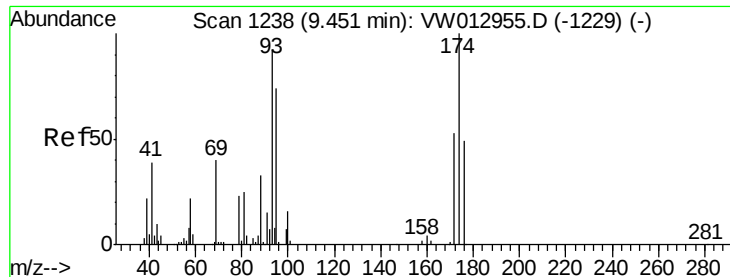
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#48
 Methyl methacrylate
 Concen: 64.938 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	100866		
69	76.4	62.8	94.2	
39	56.1	48.5	72.7	





#49

1,4-Dioxane

Concen: 1417.779 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

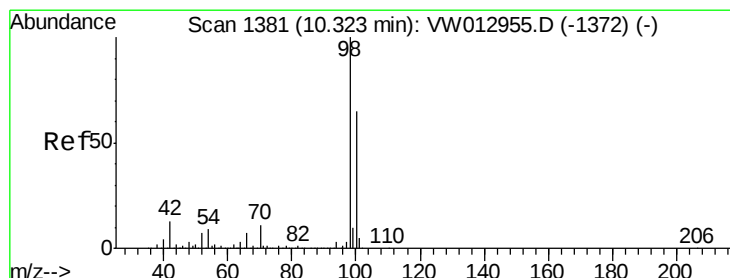
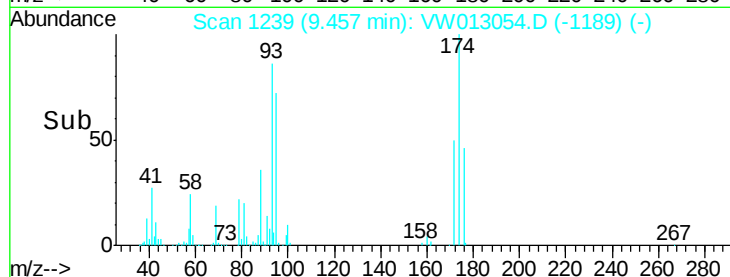
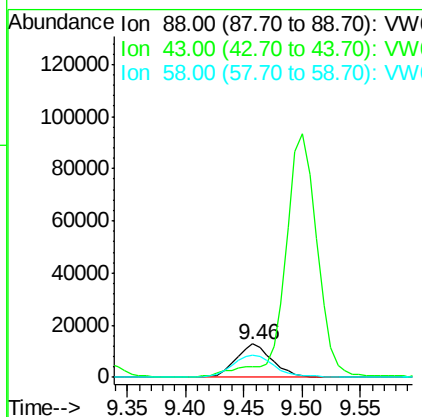
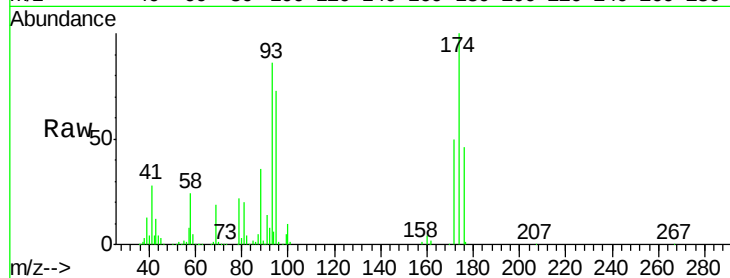
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	27415
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	78.9	60.2	90.2

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#50

Toluene-d8

Concen: 49.855 ug/l

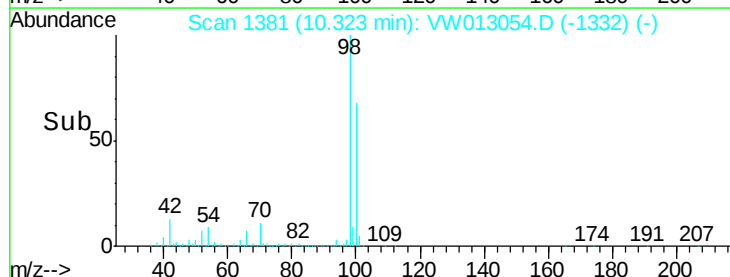
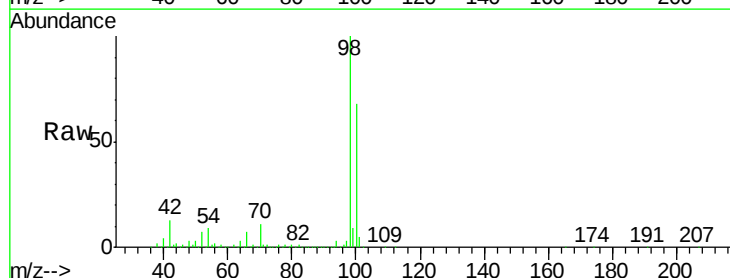
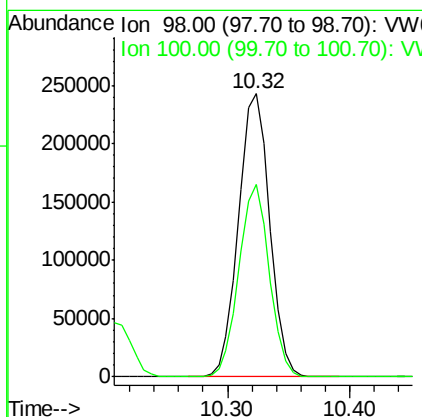
RT: 10.32 min Scan# 1381

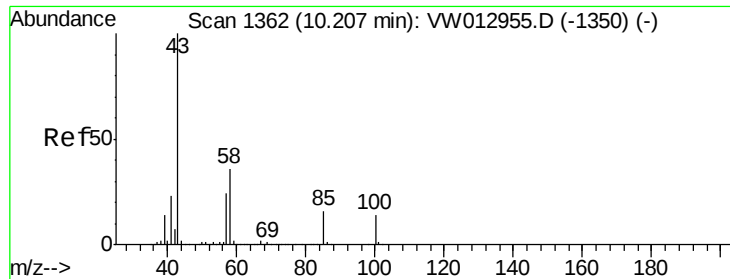
Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tgt Ion:	98	Resp:	430205
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 333.066 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 569103

Ion Ratio Lower Upper

43 100

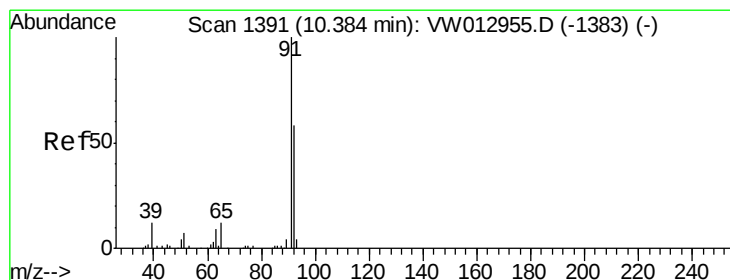
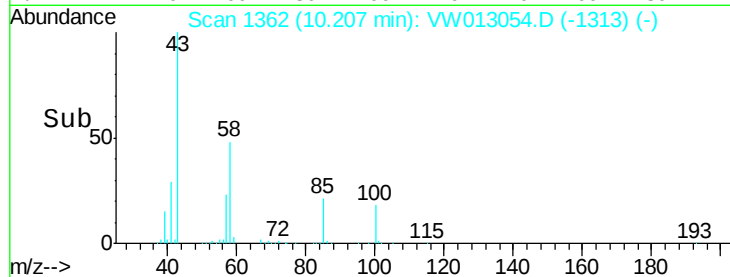
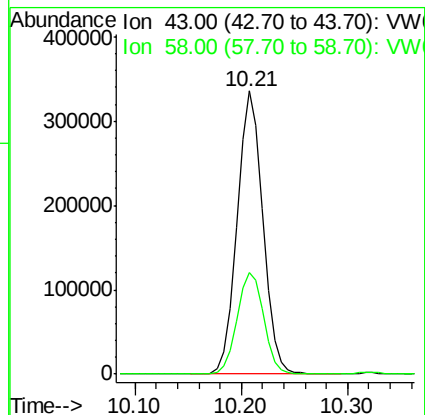
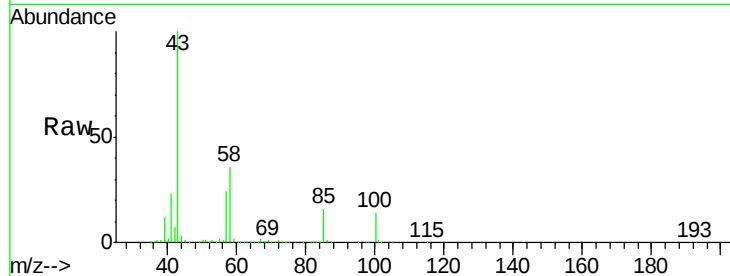
58 37.1 29.5 44.3

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#52

Toluene

Concen: 49.277 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013054.D

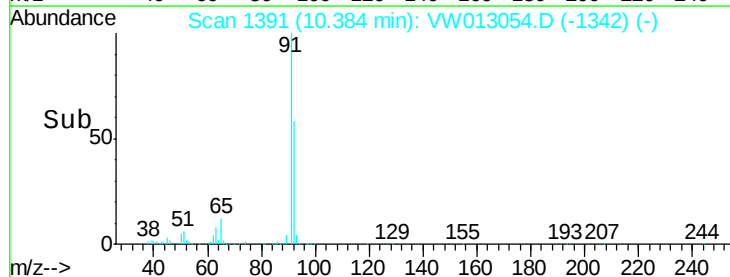
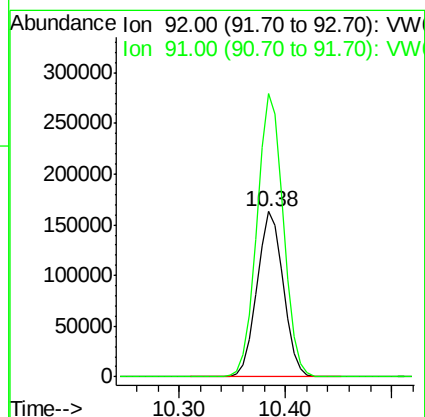
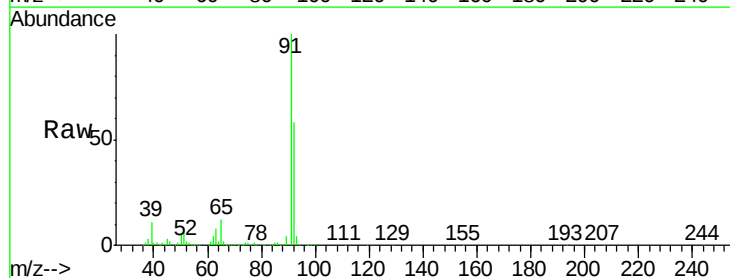
Acq: 16 Sep 2019 20:42

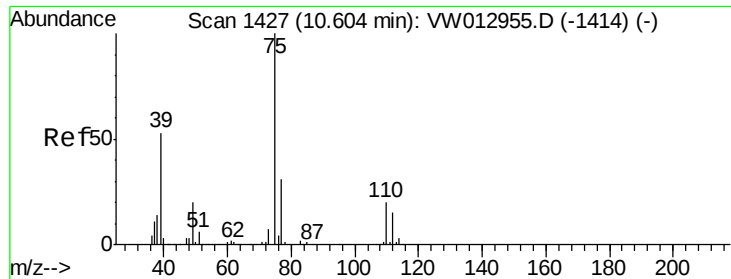
Tgt Ion: 92 Resp: 283879

Ion Ratio Lower Upper

92 100

91 171.3 137.5 206.3





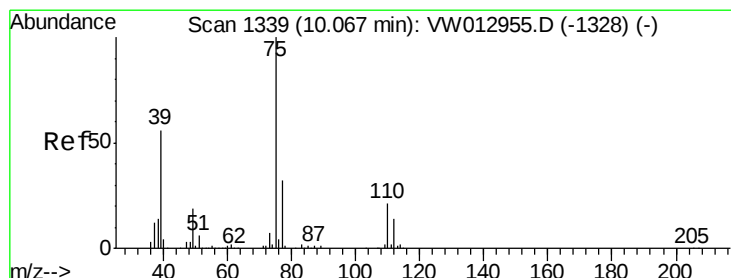
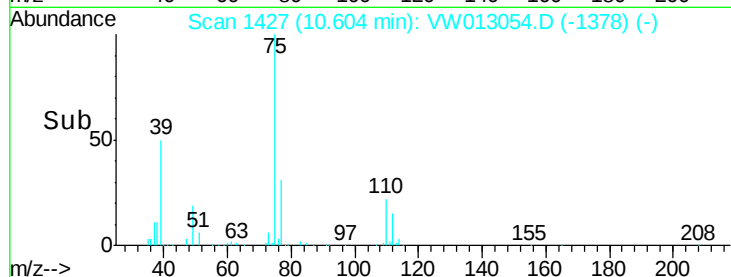
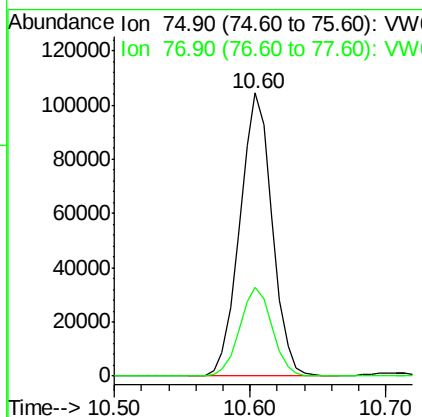
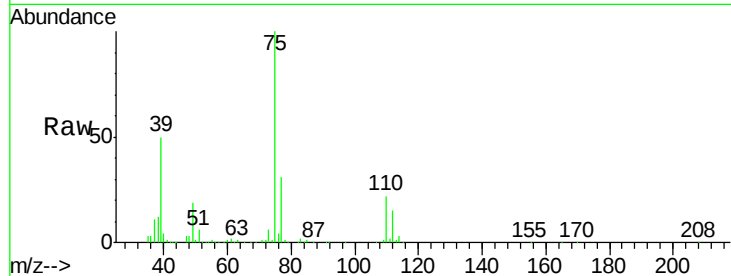
#53
t-1,3-Dichloropropene
Concen: 53.178 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 173120
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0

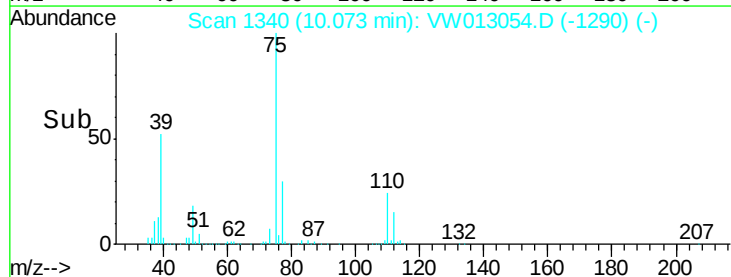
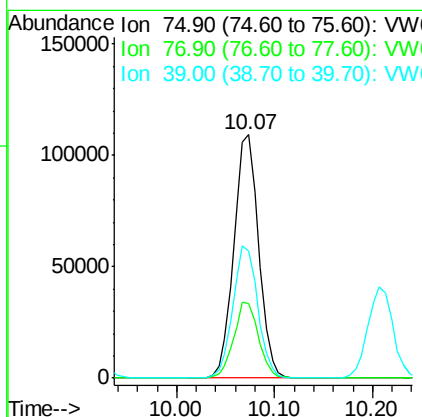
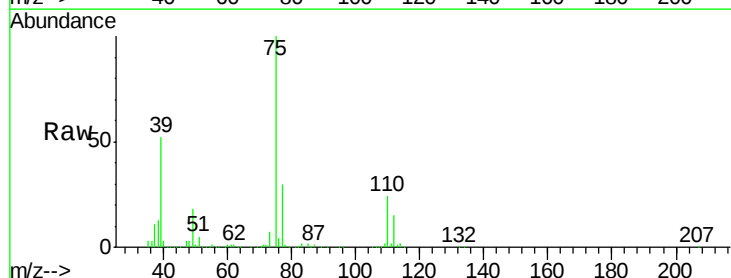
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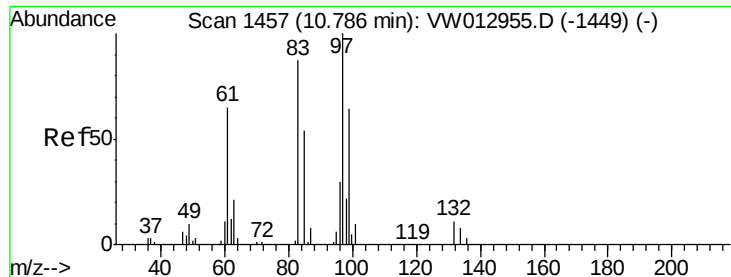
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#54
cis-1,3-Dichloropropene
Concen: 51.797 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 75 Resp: 192935
Ion Ratio Lower Upper
75 100
77 30.5 25.5 38.3
39 52.1 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 55.388 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

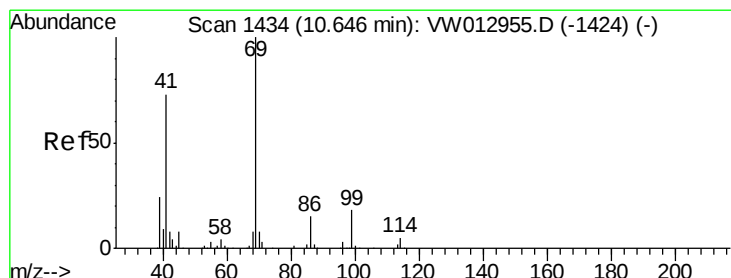
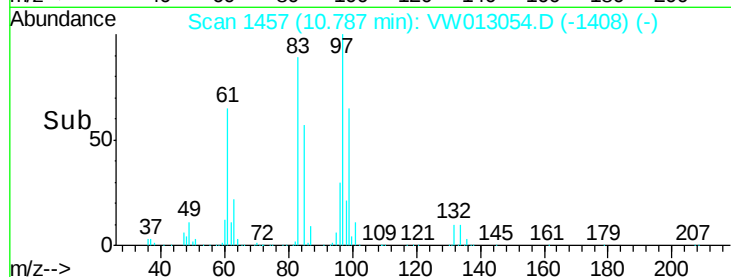
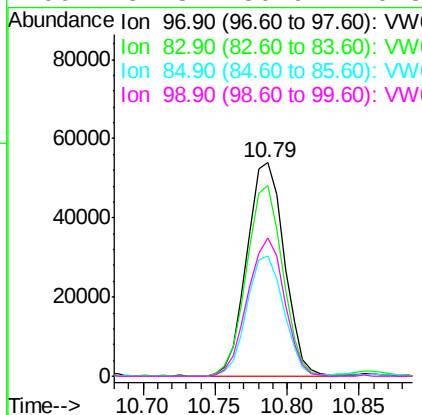
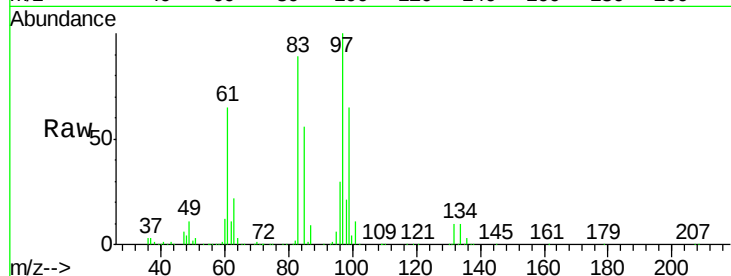
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	97371
Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.4	104.0
85	56.4	43.3	64.9
99	64.8	50.9	76.3

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#56

Ethyl methacrylate

Concen: 63.519 ug/l

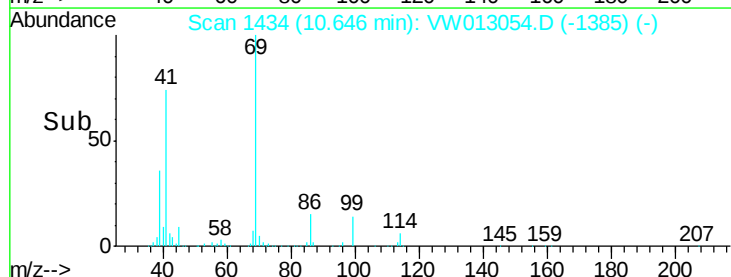
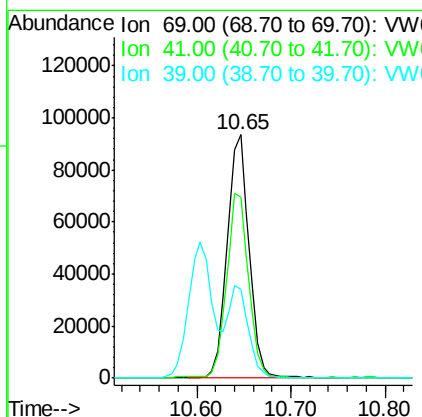
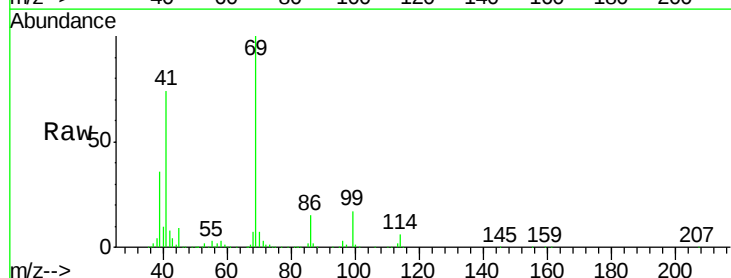
RT: 10.65 min Scan# 1434

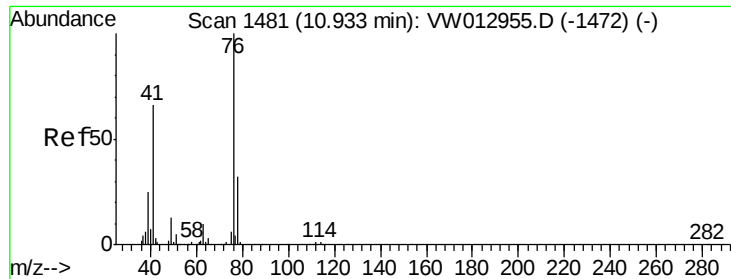
Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tgt Ion:	69	Resp:	150305
Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.8	91.2
39	33.7	29.4	44.0





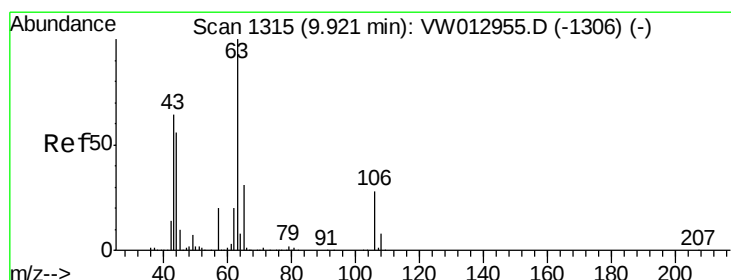
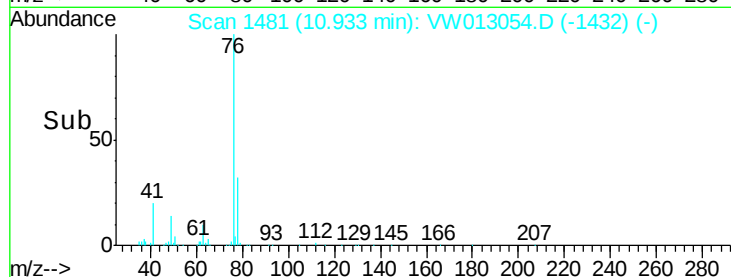
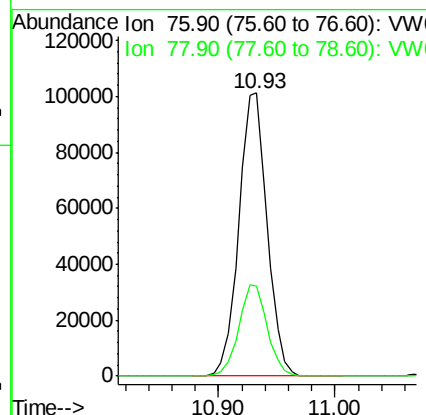
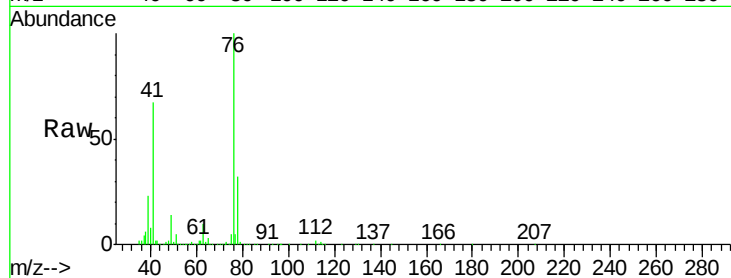
#57
 1,3-Dichloropropane
 Concen: 54.921 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 171272
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4

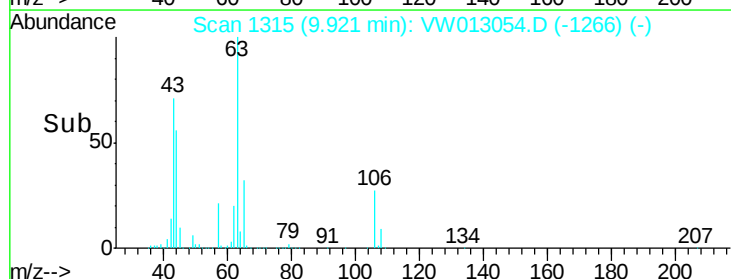
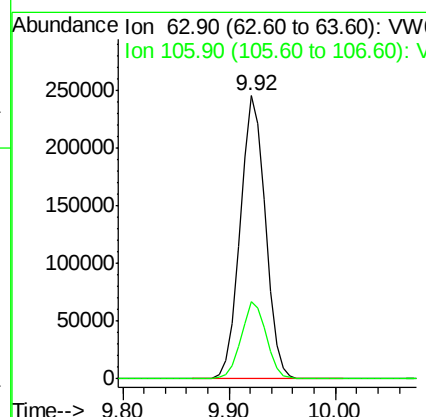
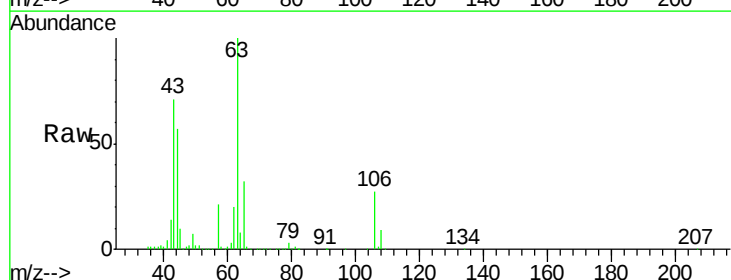
Manual Integrations
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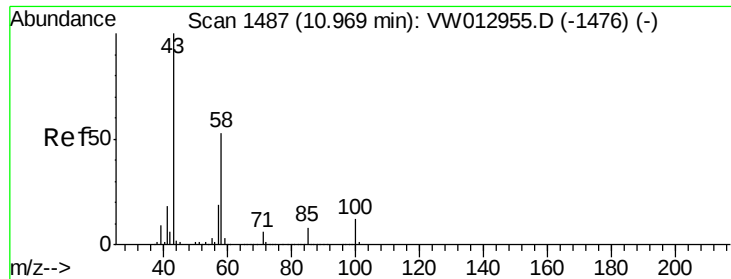
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 9/18/2019 2:01:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 322.832 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion: 63 Resp: 409787
 Ion Ratio Lower Upper
 63 100
 106 27.2 22.2 33.2





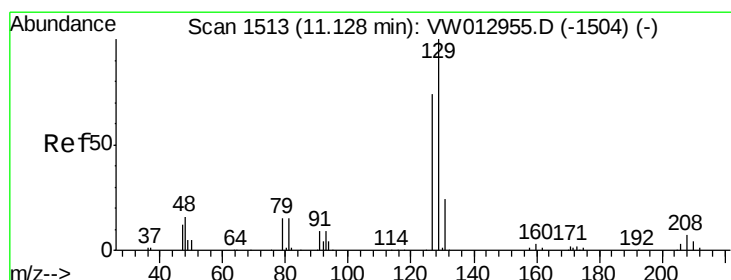
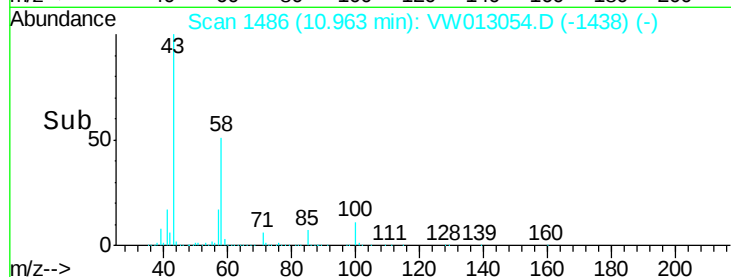
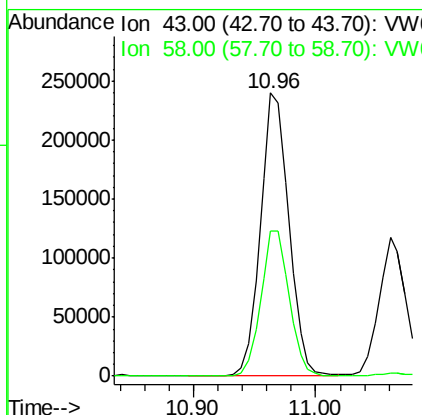
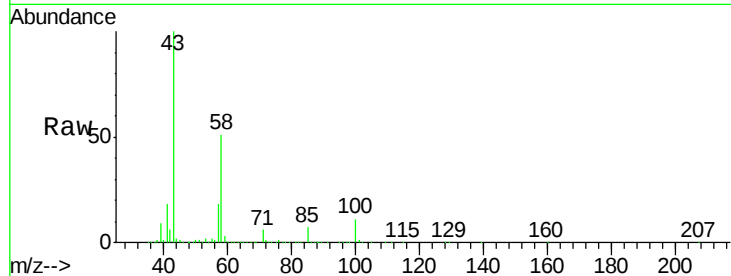
#59
2-Hexanone
Concen: 326.632 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 388617
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3

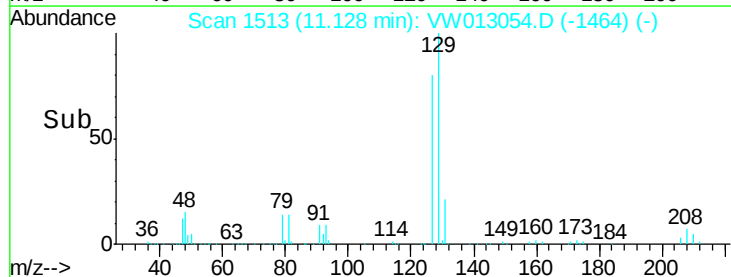
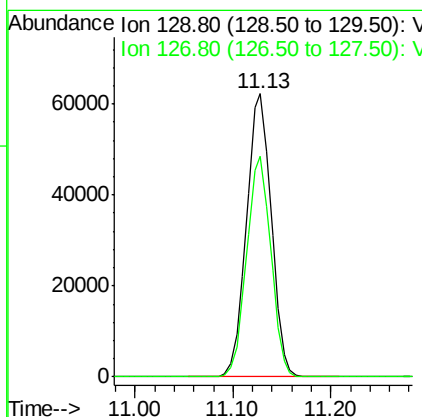
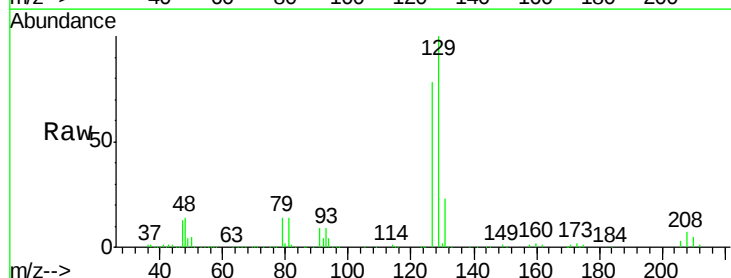
Manual Integrations
APPROVED

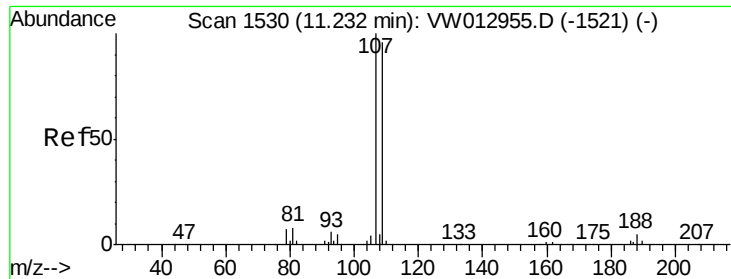
MMDadoda
9/18/2019 2:01:07 PM



#60
Dibromochloromethane
Concen: 51.455 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 129 Resp: 109361
Ion Ratio Lower Upper
129 100
127 76.6 37.4 112.2





#61

1,2-Dibromoethane

Concen: 56.478 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 90574

Ion Ratio Lower Upper

107 100

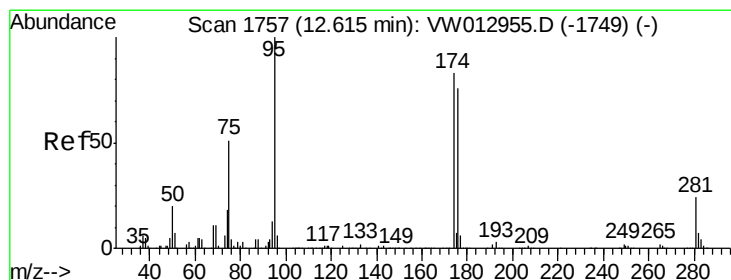
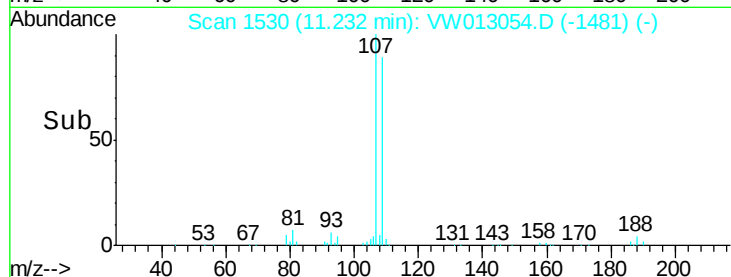
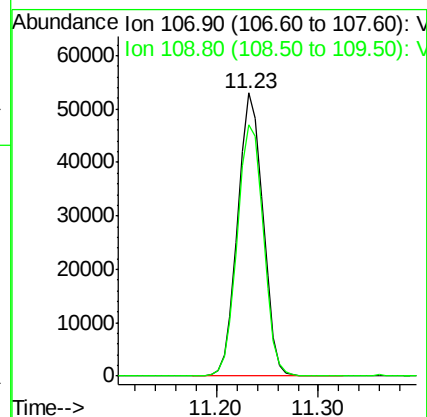
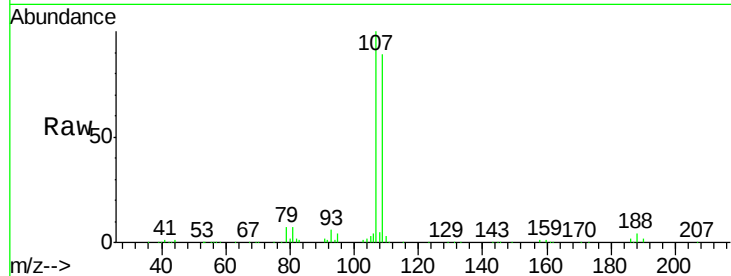
109 92.3 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:01:07 PM



#62

4-Bromofluorobenzene

Concen: 49.223 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

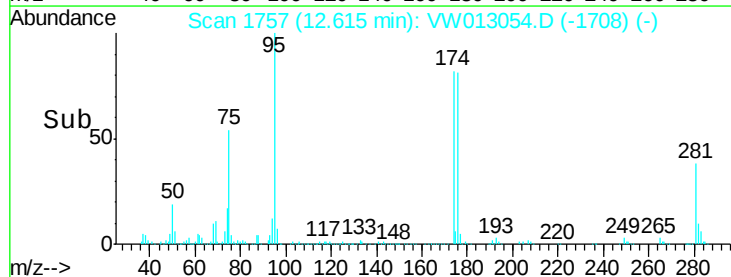
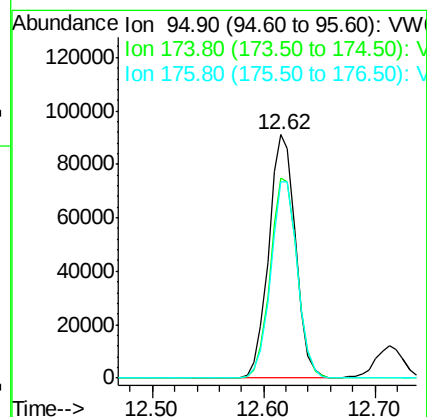
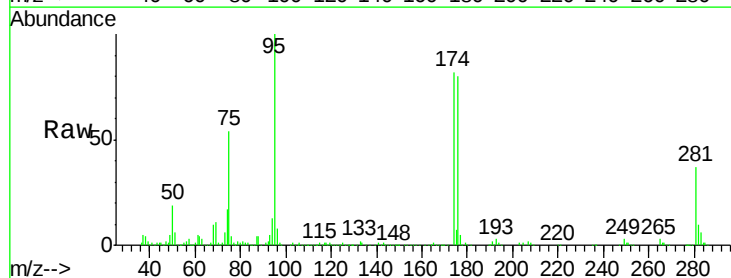
Tgt Ion: 95 Resp: 152730

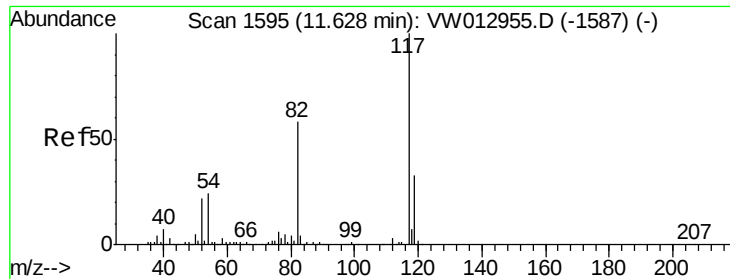
Ion Ratio Lower Upper

95 100

174 82.3 0.0 170.4

176 80.3 0.0 164.6





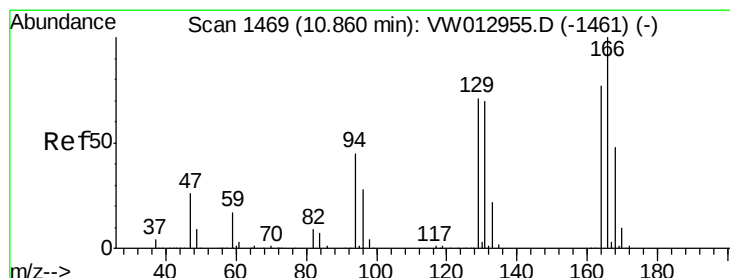
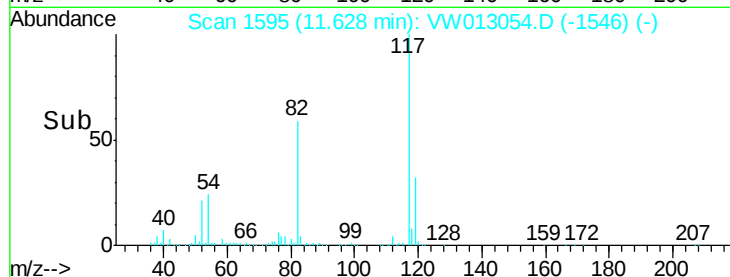
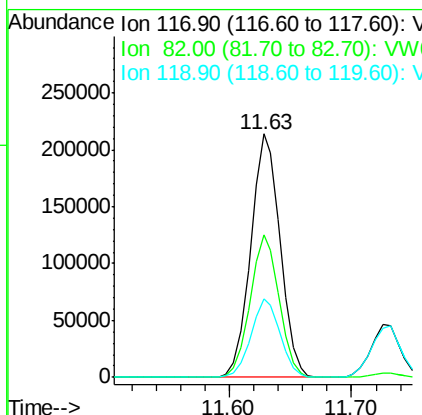
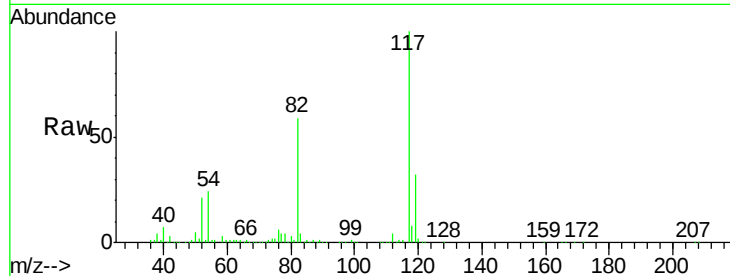
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	357717		
82	58.7	46.3	69.5	
119	31.9	26.2	39.4	

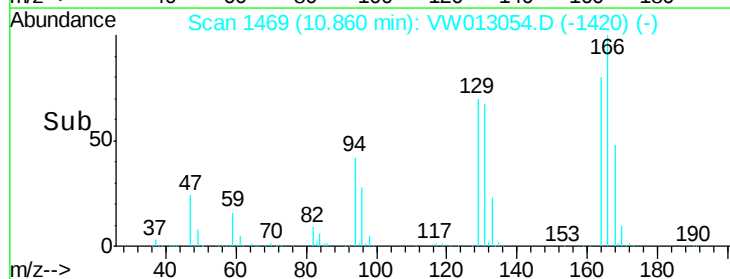
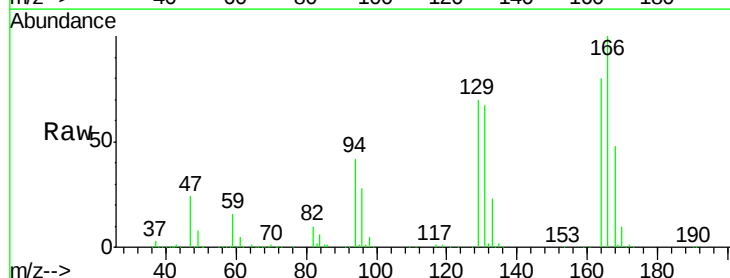
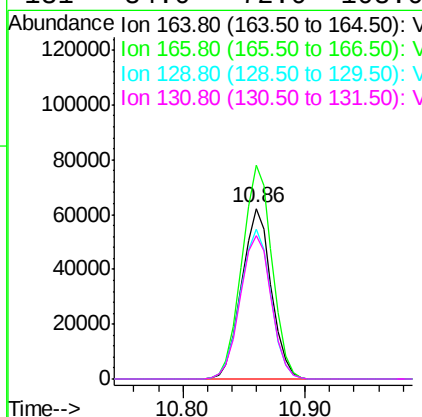
Manual Integrations
APPROVED

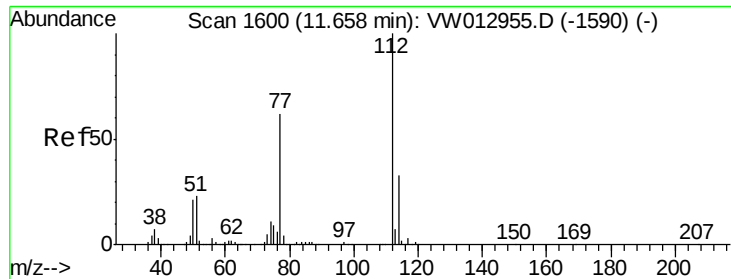
MMDadoda
9/18/2019 2:01:07 PM



#64
Tetrachloroethene
Concen: 49.151 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104598		
166	125.1	103.3	154.9	
129	87.8	73.8	110.8	
131	84.0	72.0	108.0	





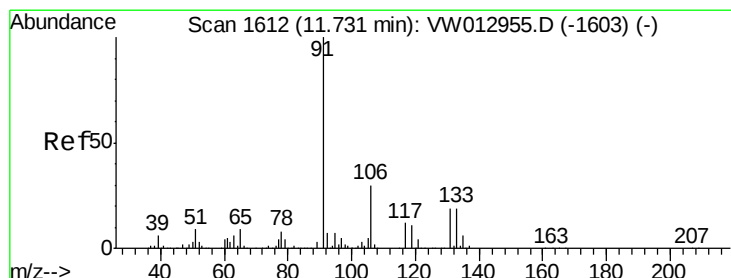
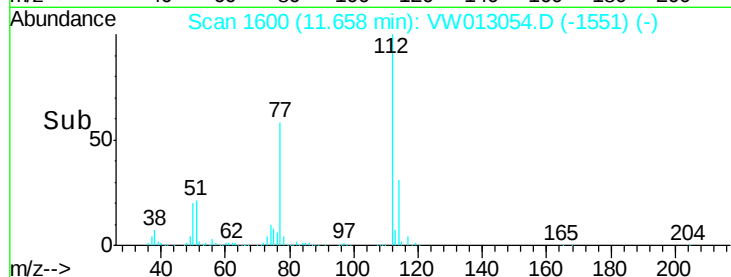
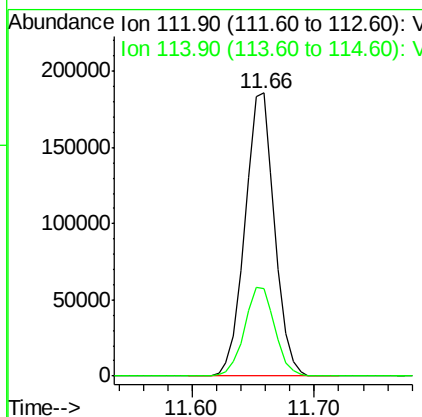
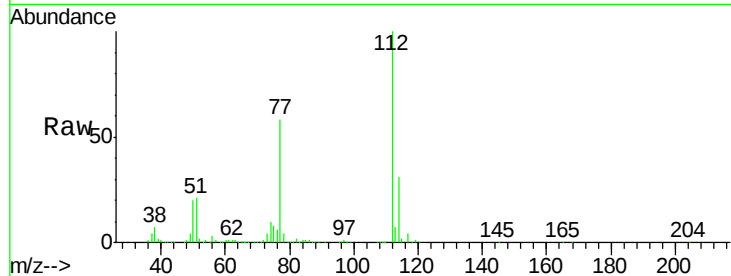
#65
Chlorobenzene
Concen: 48.835 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	311162		
114	31.1	26.4	39.6	

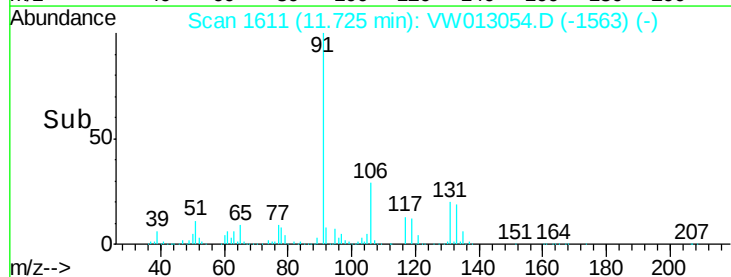
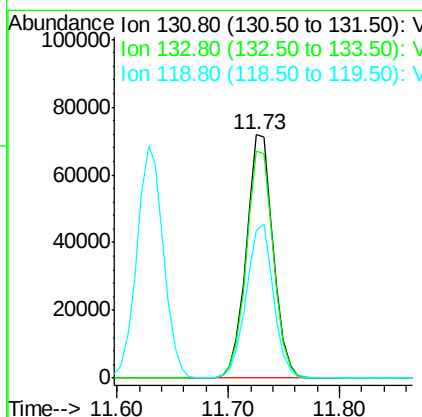
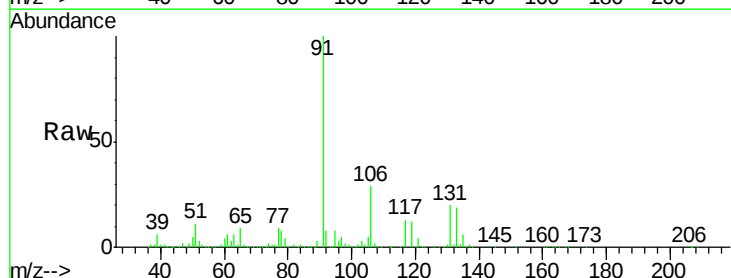
Manual Integrations
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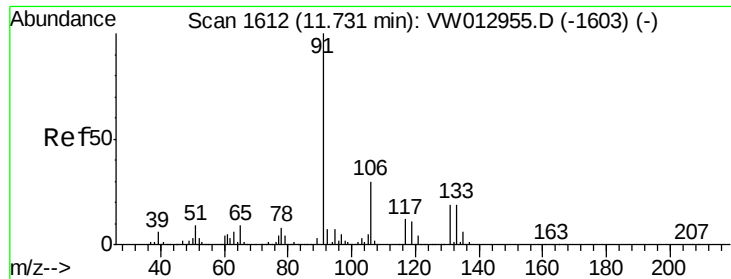
MMDadoda
9/18/2019 2:01:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.150 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	120013		
133	94.5	47.9	143.8	
119	64.1	30.9	92.7	





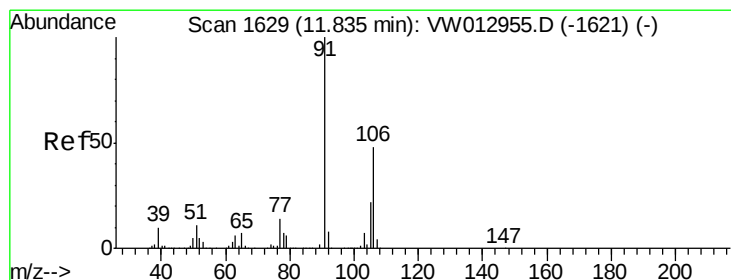
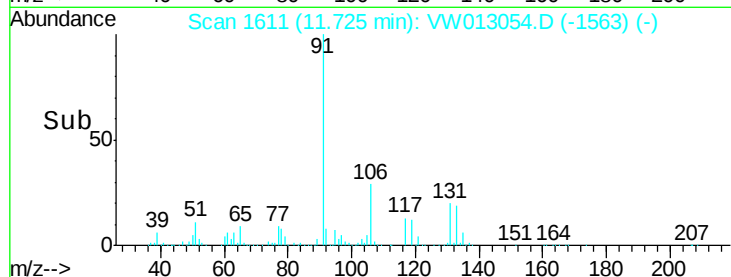
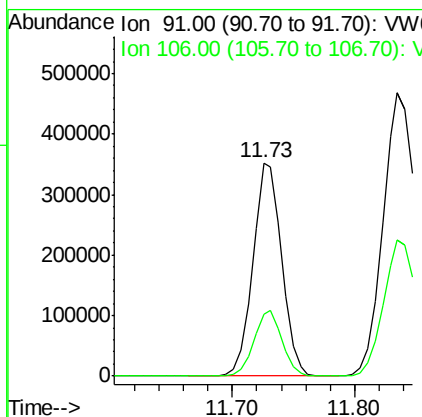
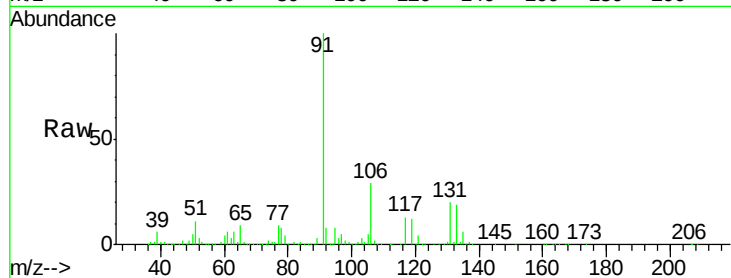
#67
Ethyl Benzene
Concen: 48.952 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 576062
Ion Ratio Lower Upper
91 100
106 29.1 24.3 36.5

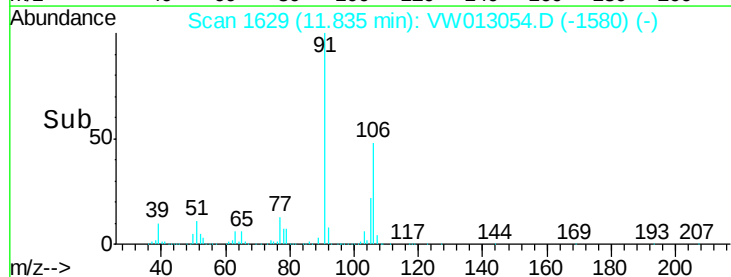
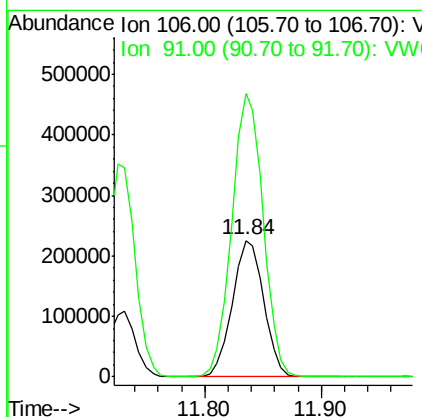
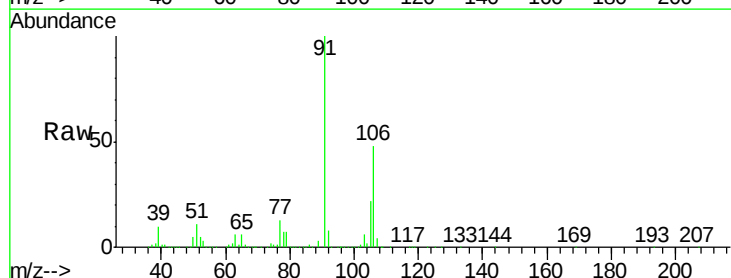
Manual Integrations
APPROVED

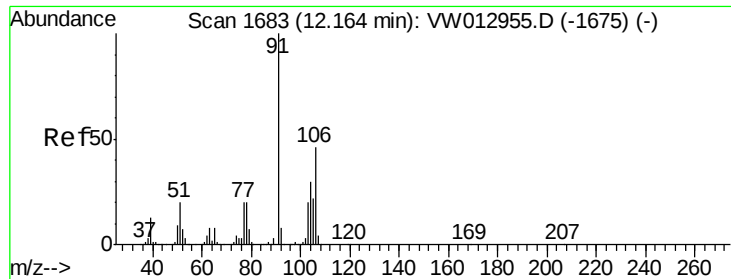
MMDadoda
9/18/2019 2:01:07 PM



#68
m/p-Xylenes
Concen: 98.236 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion: 106 Resp: 422312
Ion Ratio Lower Upper
106 100
91 207.2 165.8 248.8





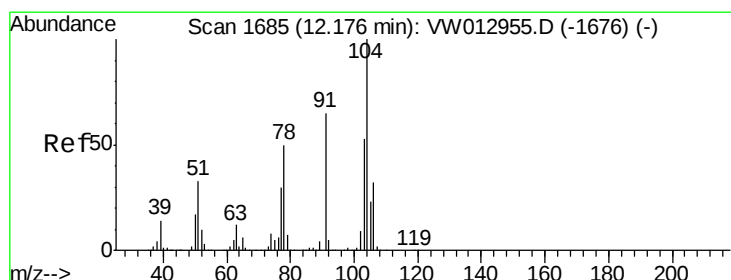
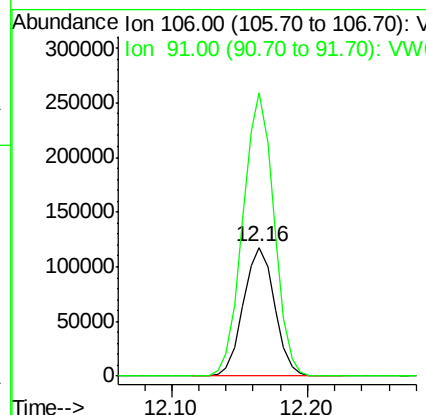
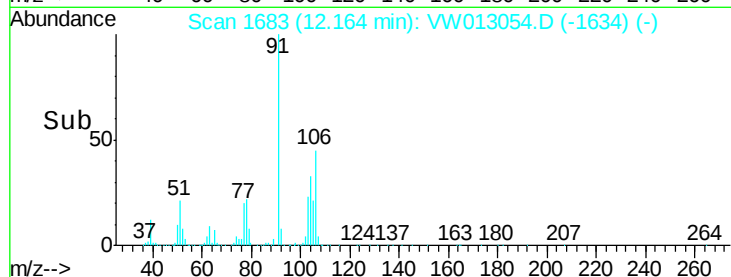
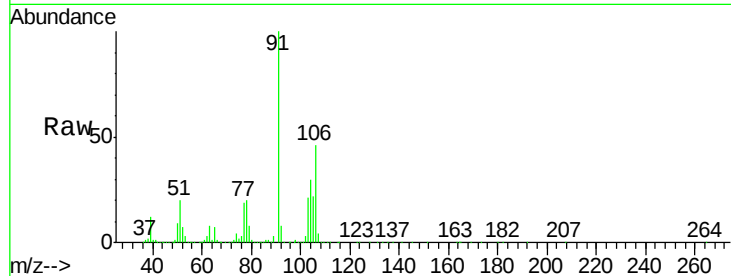
#69
o-Xylene
Concen: 46.950 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 189227
Ion Ratio Lower Upper
106 100
91 219.0 109.7 329.0

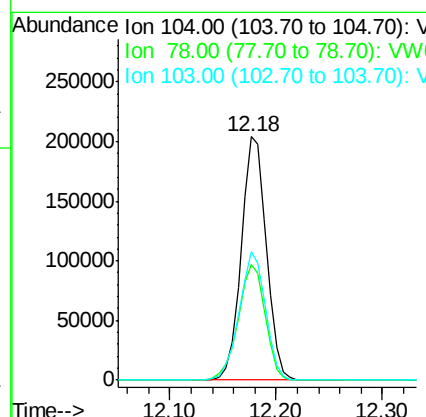
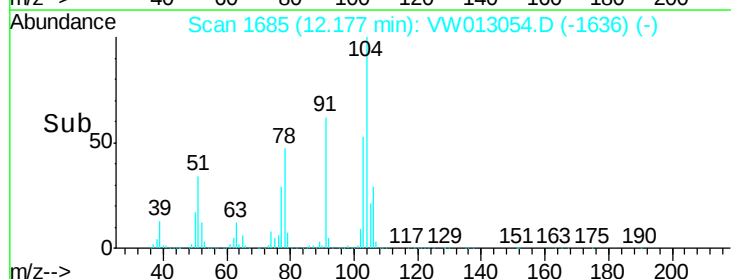
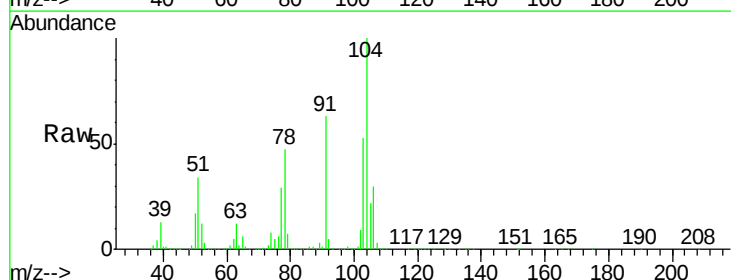
Manual Integrations
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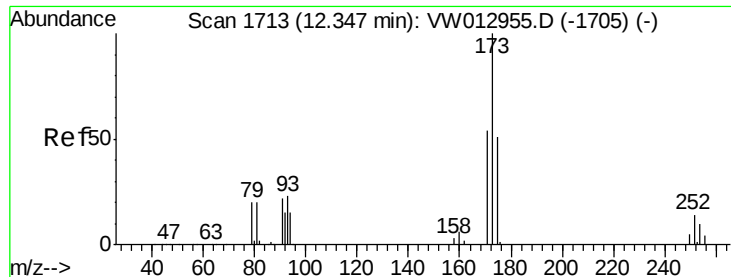
MMDadoda
9/18/2019 2:01:07 PM



#70
Styrene
Concen: 47.029 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion:104 Resp: 337179
Ion Ratio Lower Upper
104 100
78 51.1 42.1 63.1
103 55.3 44.2 66.4





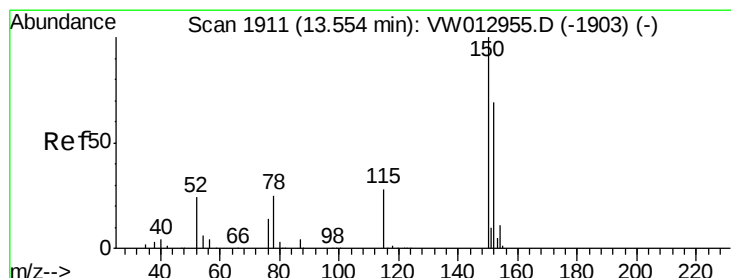
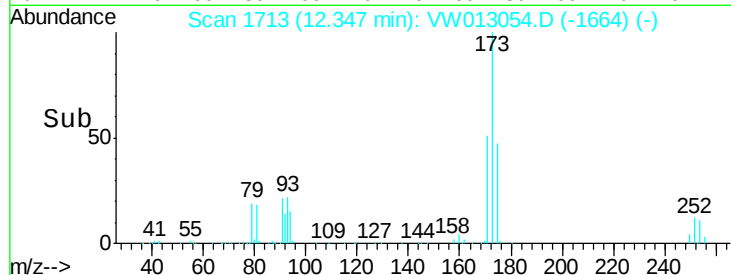
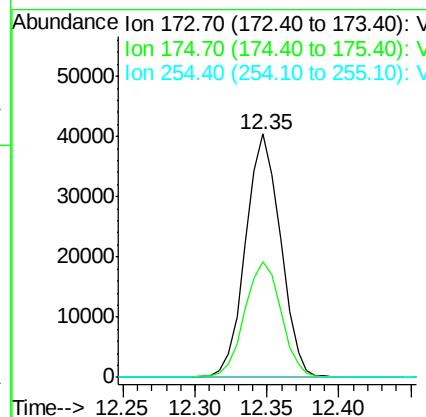
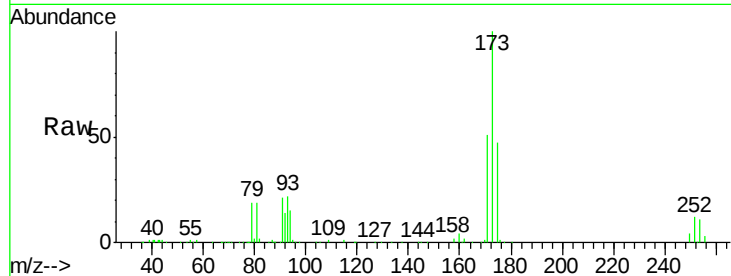
#71
Bromoform
Concen: 52.779 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.2	72.6
254	0.1	0.1	0.1#

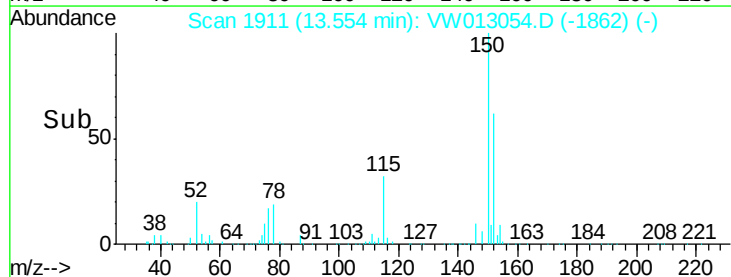
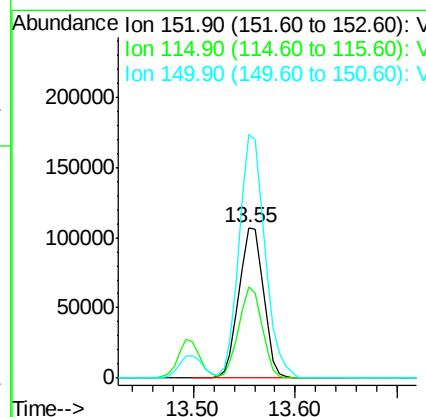
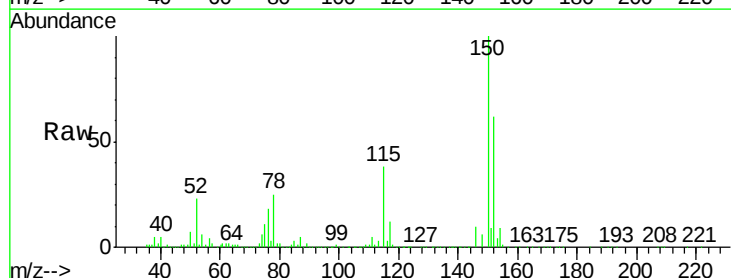
Manual Integrations
APPROVED

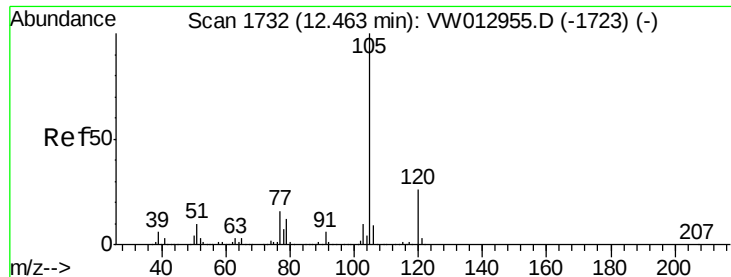
MMDadoda
9/18/2019 2:01:07 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.8	86.4
150	169.9	0.0	340.2





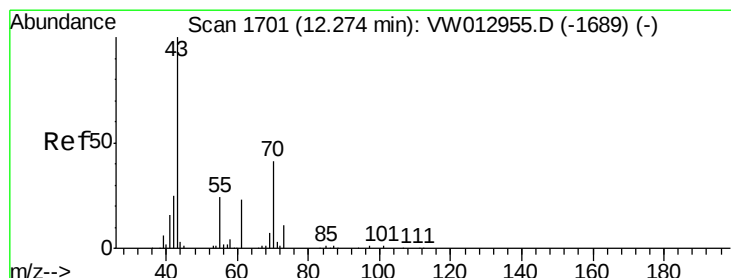
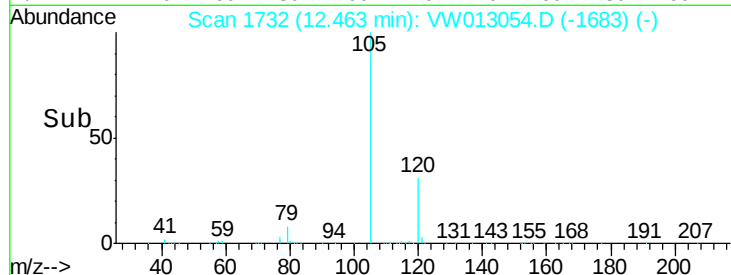
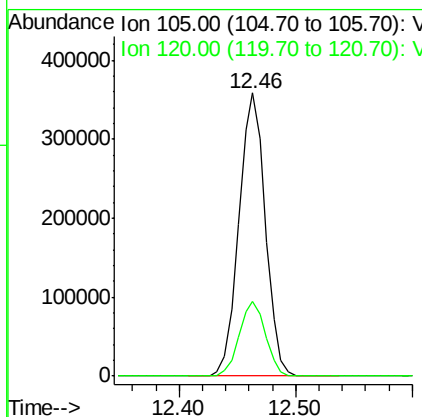
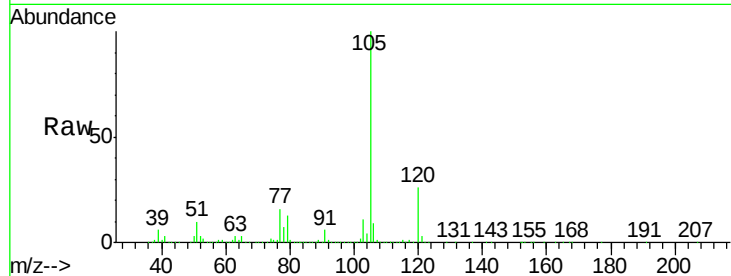
#73
Isopropylbenzene
Concen: 47.812 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	39.0

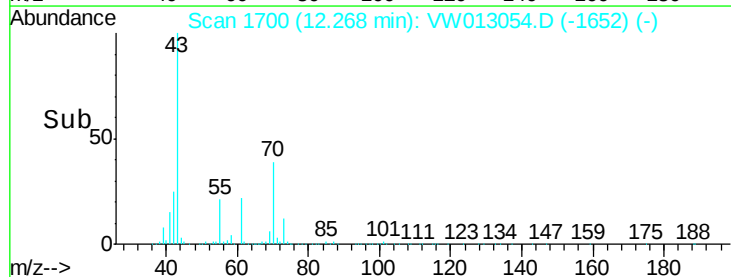
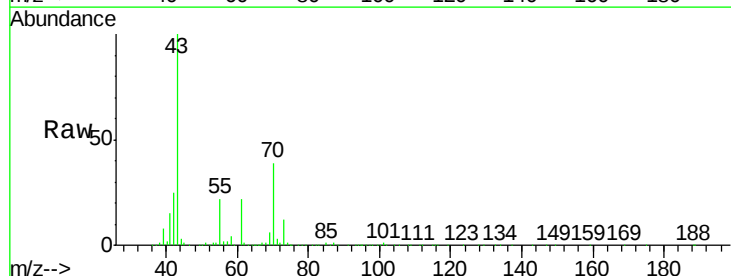
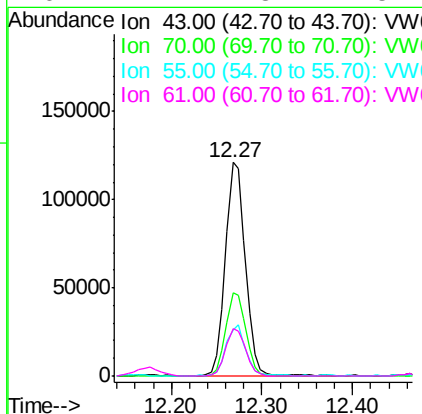
Manual Integrations
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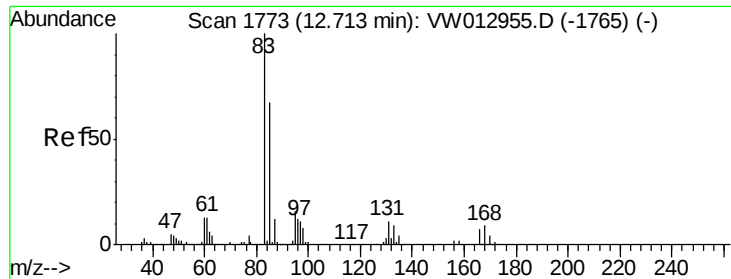
MMDadoda
9/18/2019 2:01:07 PM



#74
N-ethyl acetate
Concen: 60.842 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.7	47.5
55	23.2	19.4	29.2
61	22.4	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 59.662 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 123976

Ion Ratio Lower Upper

83 100

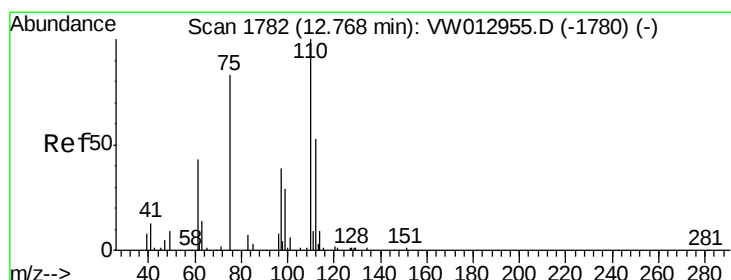
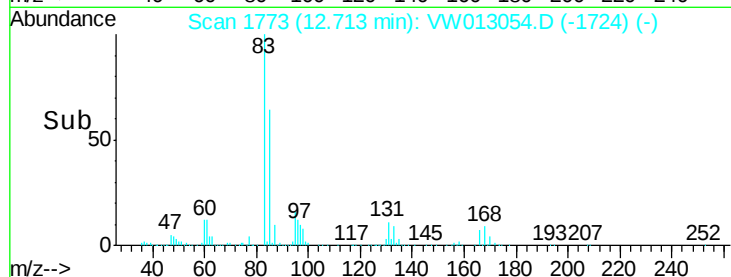
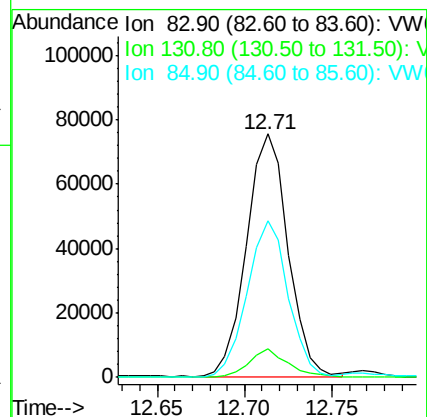
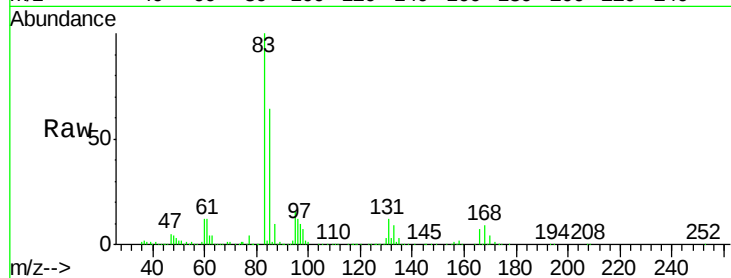
131 11.3 5.7 17.1

85 64.1 31.4 94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 63.334 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013054.D

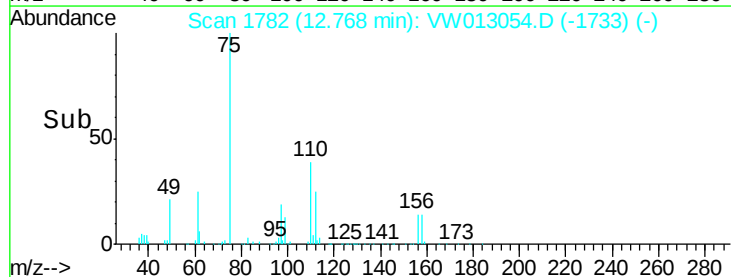
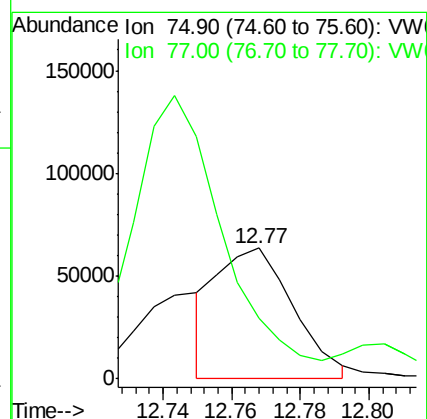
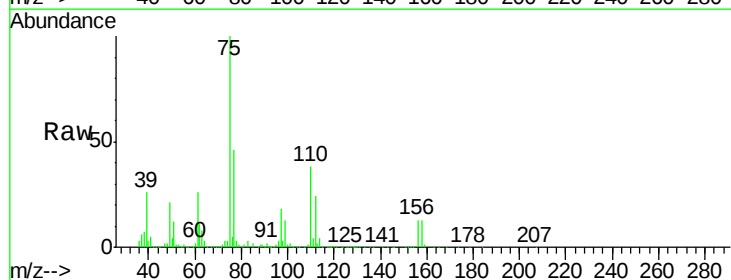
Acq: 16 Sep 2019 20:42

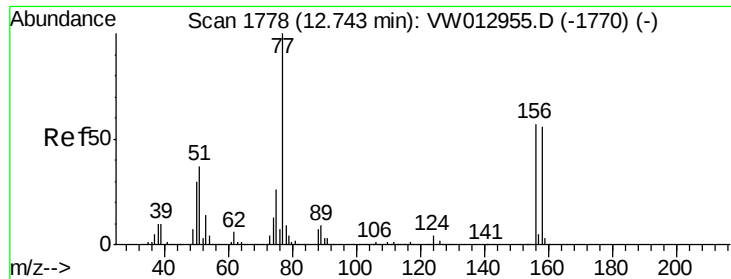
Tgt Ion: 75 Resp: 99020

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.644 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

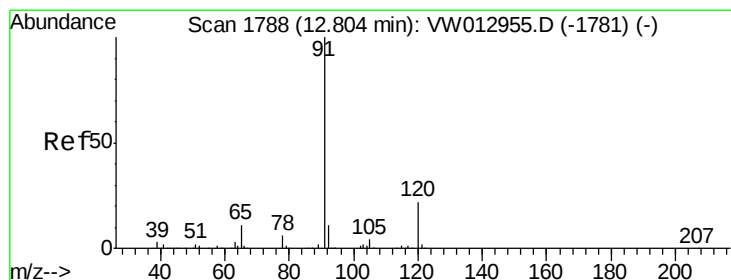
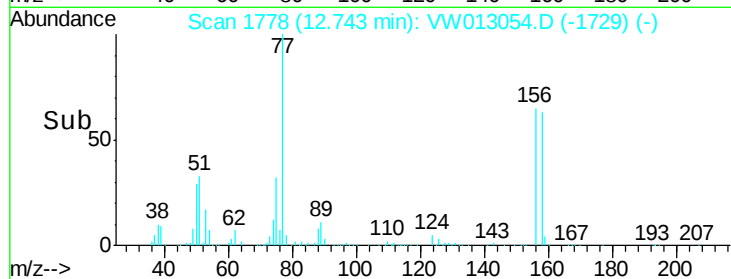
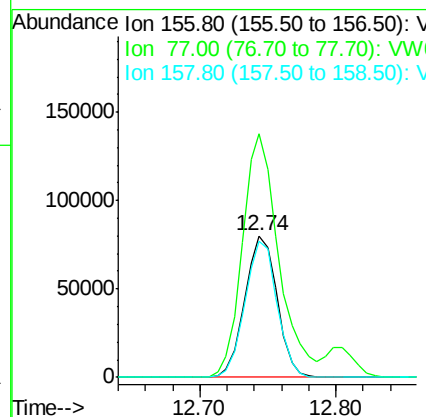
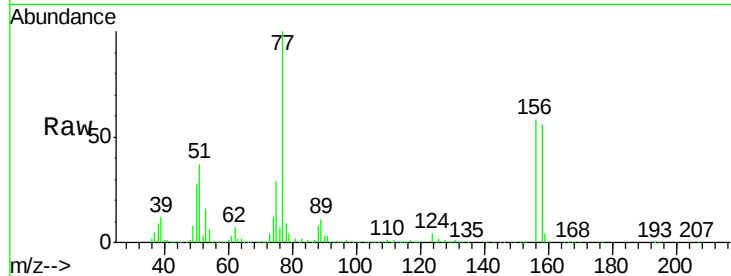
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	132582
Ion Ratio	Lower	Upper	
156	100		
77	193.1	95.2	285.6
158	95.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 47.909 ug/l

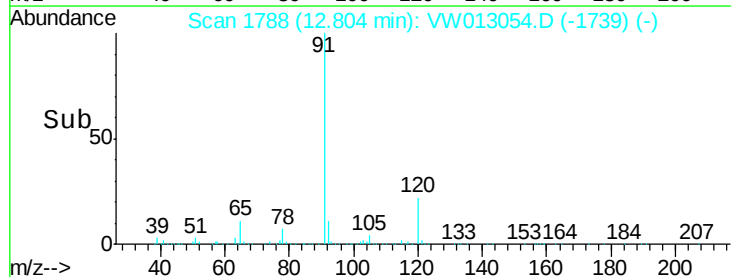
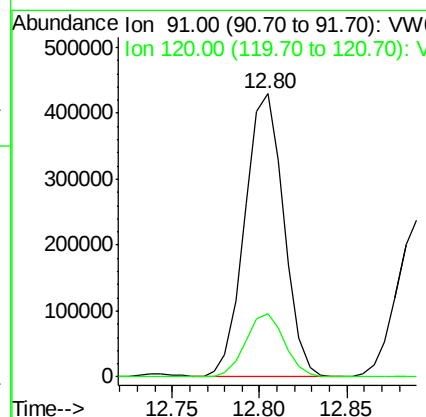
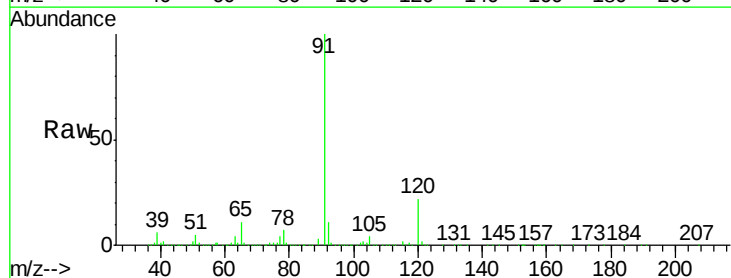
RT: 12.80 min Scan# 1788

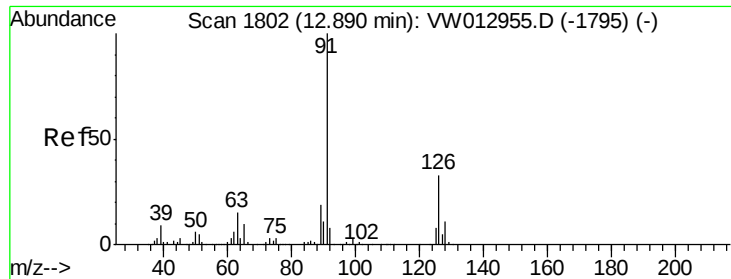
Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Tgt Ion:	91	Resp:	666747
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 47.312 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013054.D

Acq: 16 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 378504

Ion Ratio Lower Upper

91 100

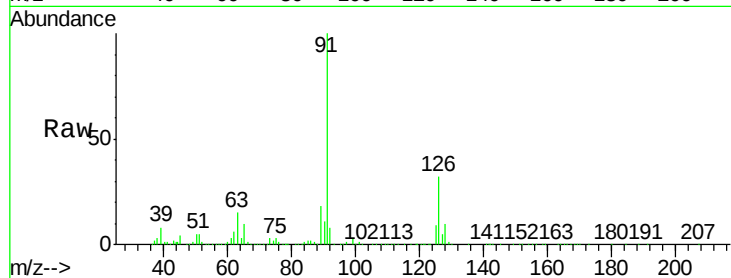
126 32.7 16.5 49.5

Manual Integrations

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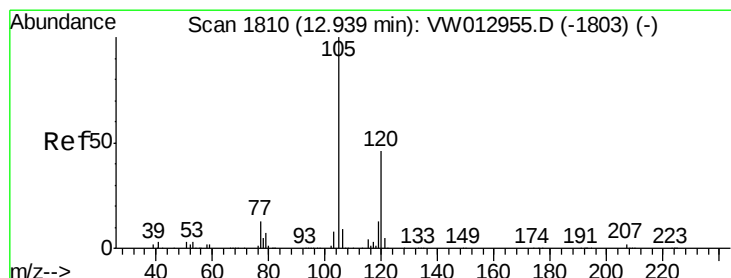
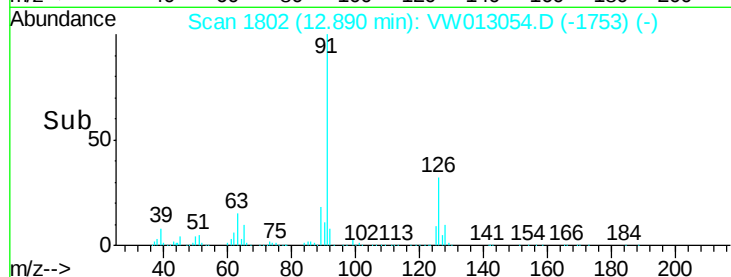
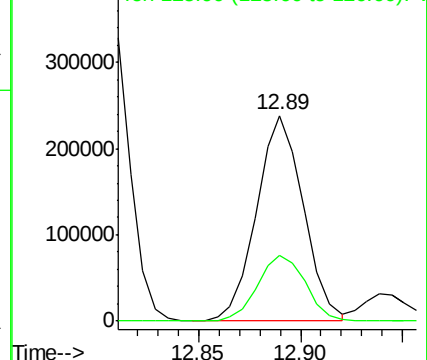
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.926 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013054.D

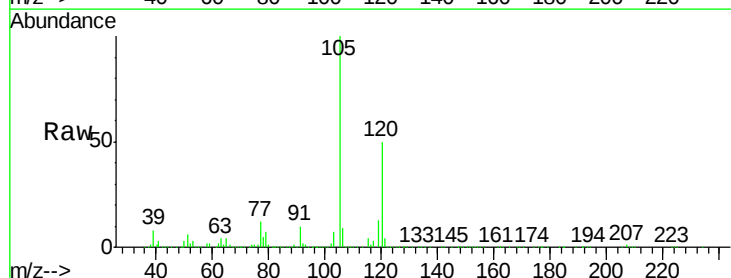
Acq: 16 Sep 2019 20:42

Tgt Ion:105 Resp: 479699

Ion Ratio Lower Upper

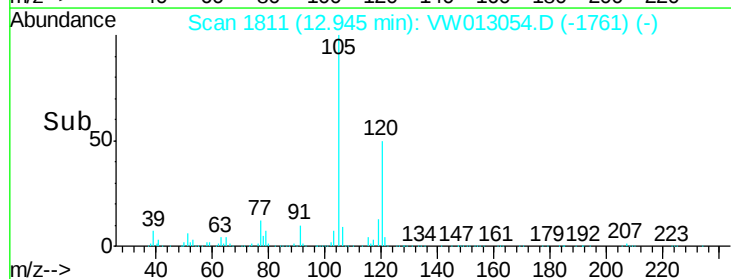
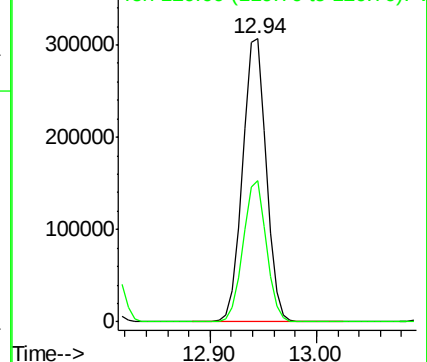
105 100

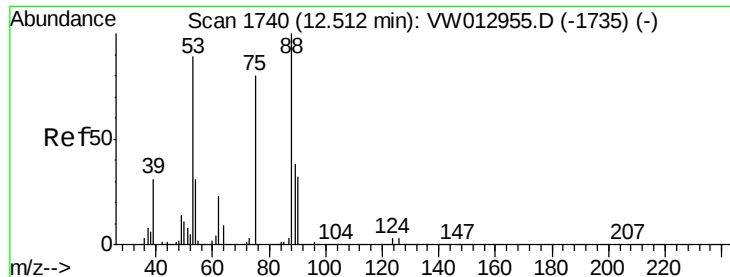
120 49.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





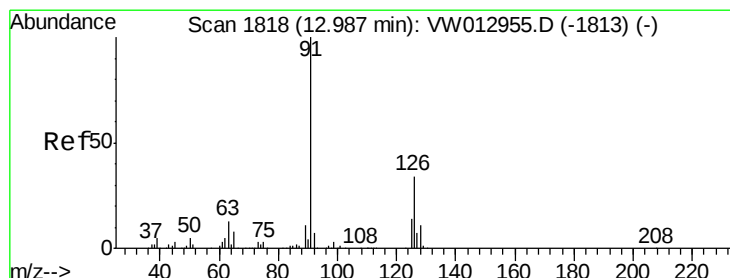
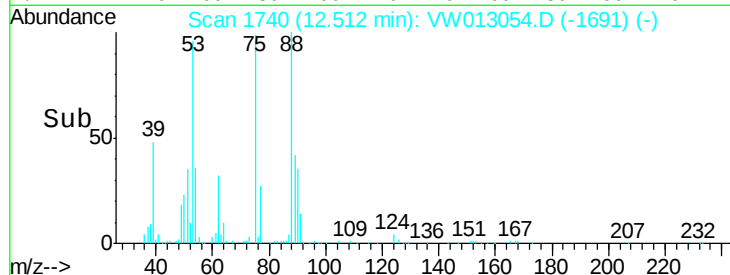
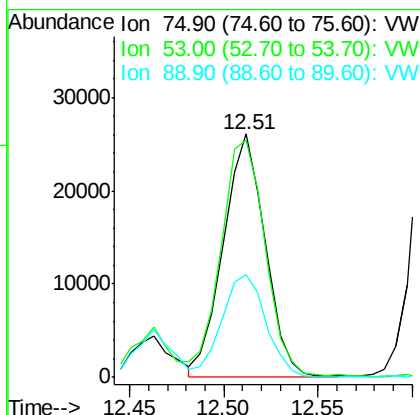
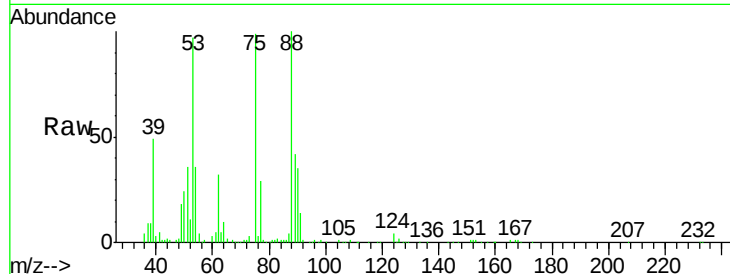
#81
trans-1,4-Dichloro-2-butene
Concen: 58.732 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.3	85.6	128.4
89	44.5	37.2	55.8

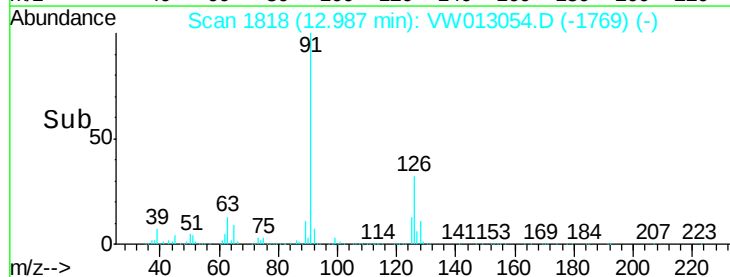
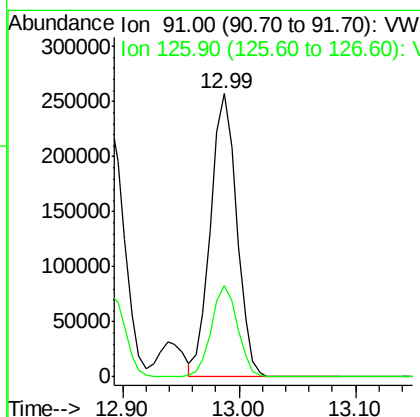
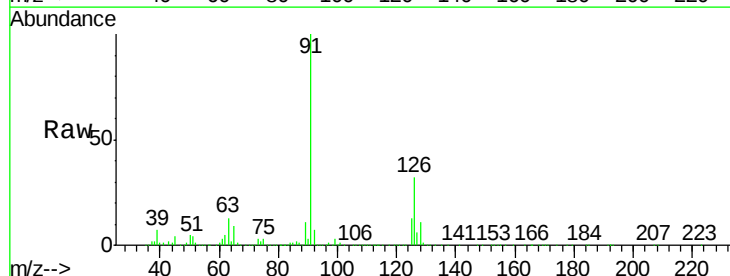
Manual Integrations
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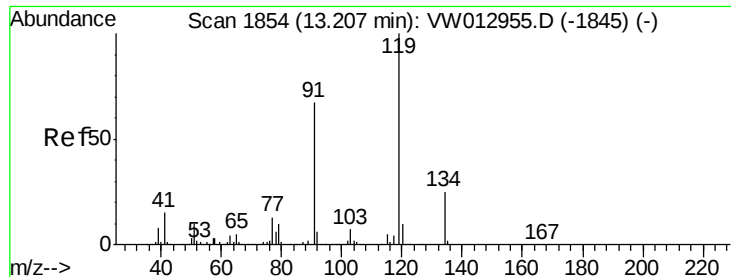
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#82
4-Chlorotoluene
Concen: 47.114 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3





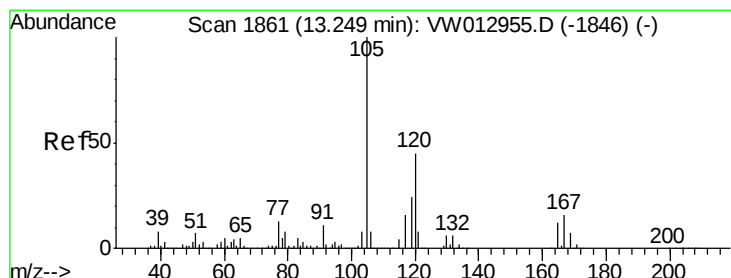
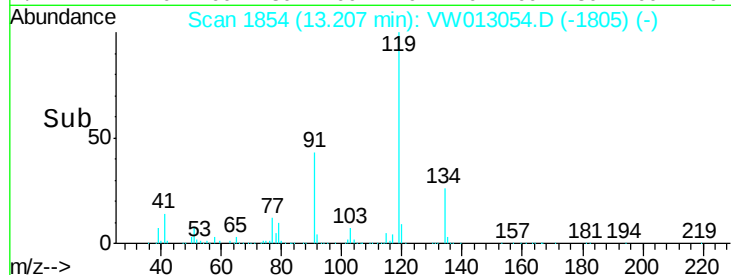
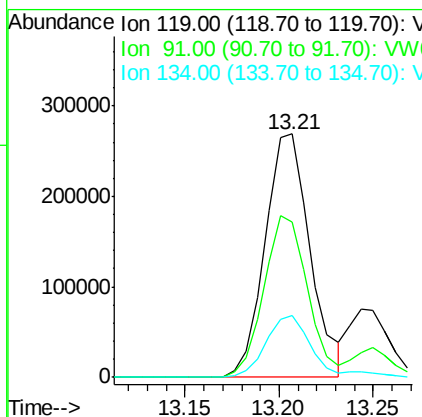
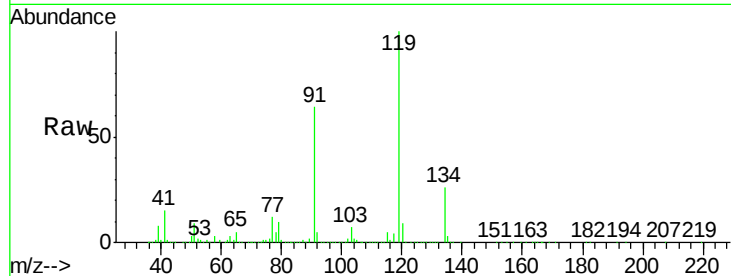
#83
tert-Butylbenzene
Concen: 49.962 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.6	98.0
134	26.5	12.4	37.4

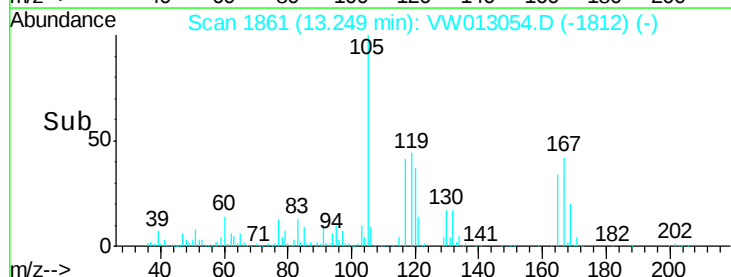
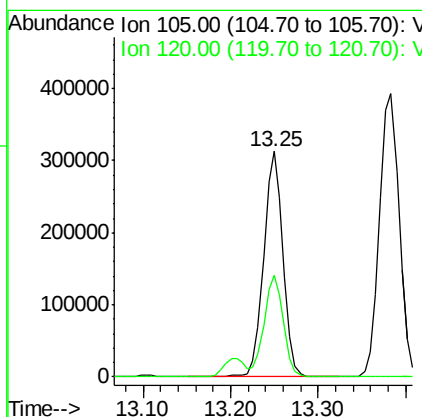
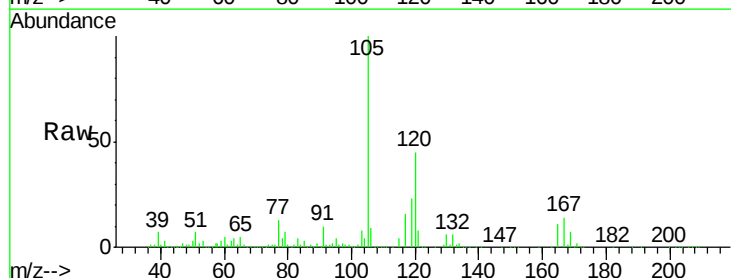
Manual Integrations
APPROVED

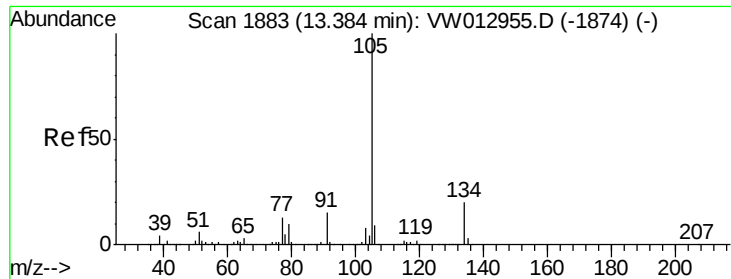
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#84
1,2,4-Trimethylbenzene
Concen: 48.786 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	21.9	65.7





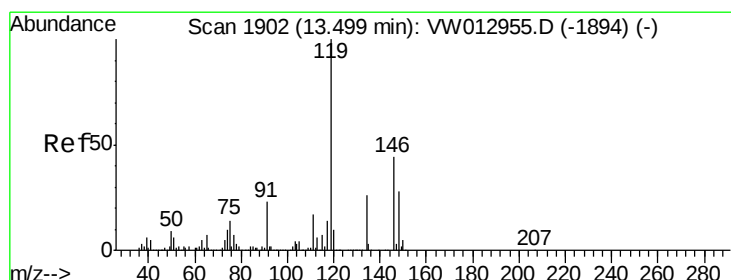
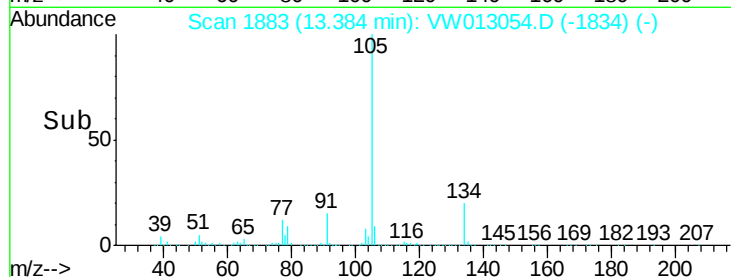
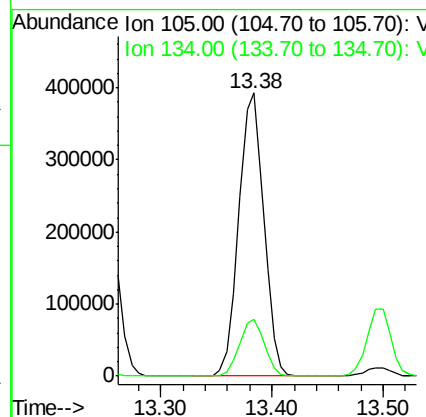
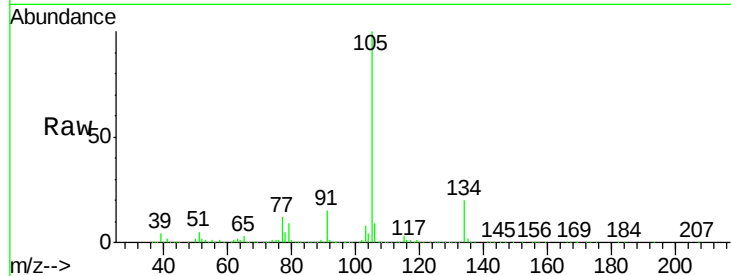
#85
 sec-Butylbenzene
 Concen: 50.099 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.2	30.4

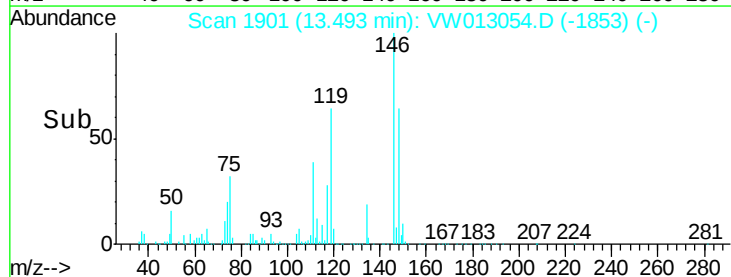
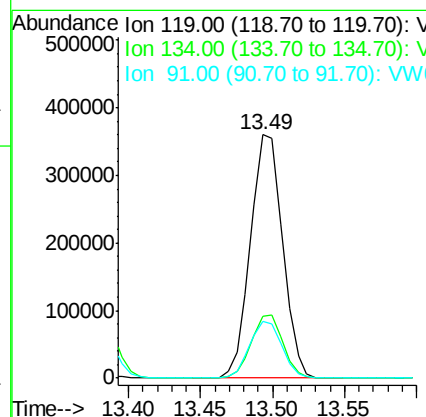
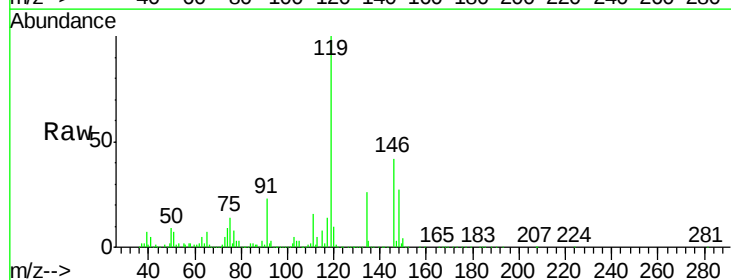
Manual Integrations
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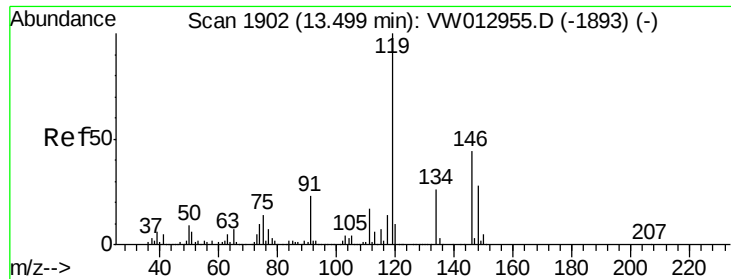
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#86
 p-Isopropyltoluene
 Concen: 49.318 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.3
91	23.3	11.8	35.4





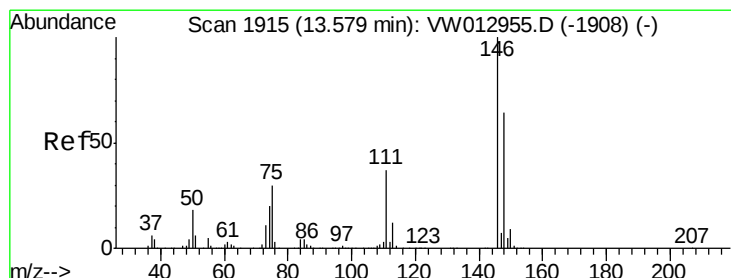
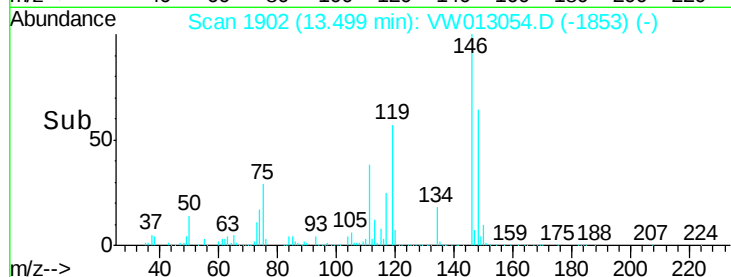
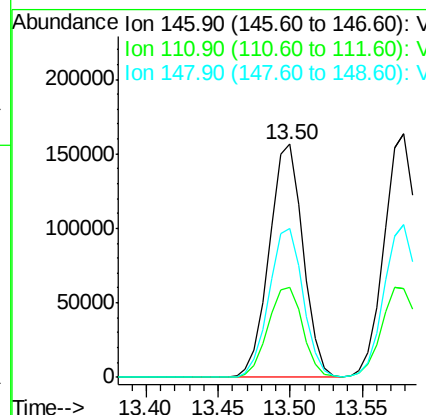
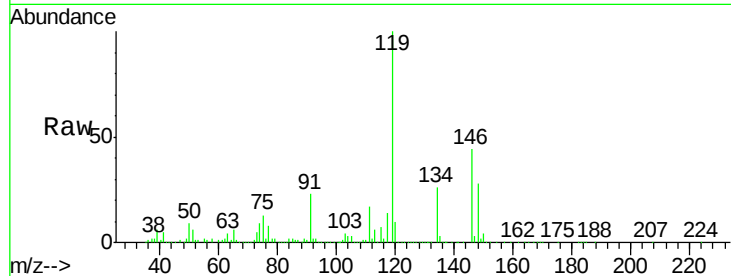
#87
 1,3-Dichlorobenzene
 Concen: 47.314 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	255286		
111	39.4	19.8	59.4	
148	64.3	31.9	95.7	

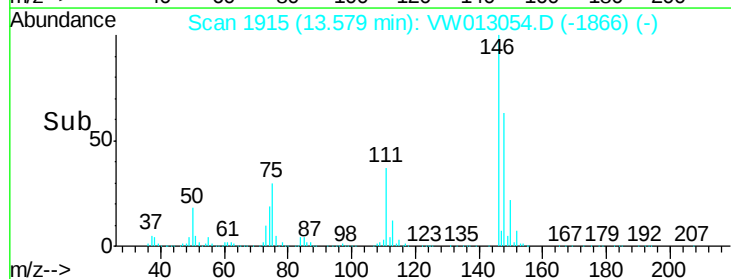
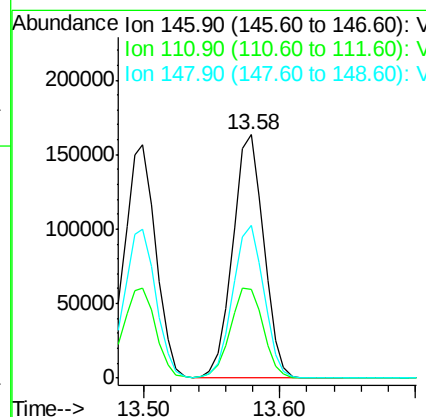
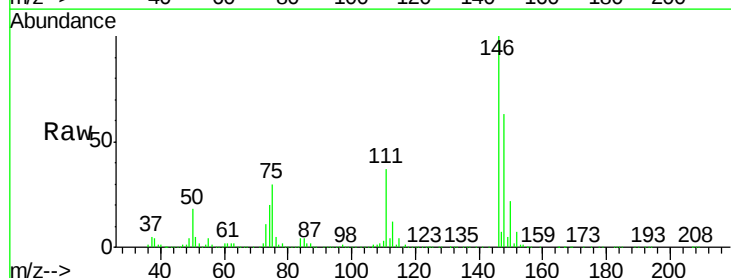
Manual Integrations
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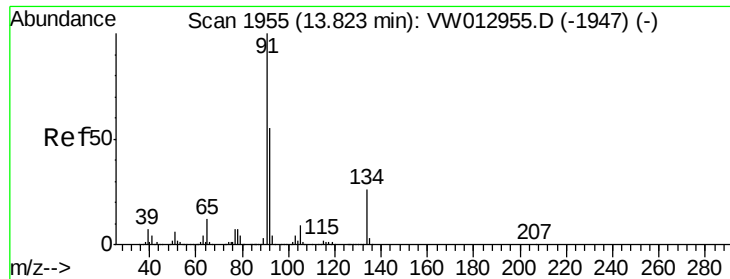
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#88
 1,4-Dichlorobenzene
 Concen: 48.884 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	259195		
111	38.9	19.4	58.2	
148	63.3	31.9	95.5	





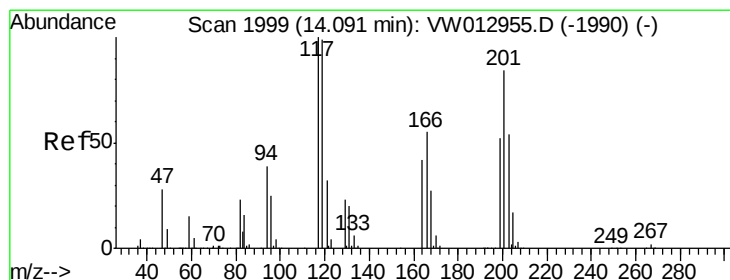
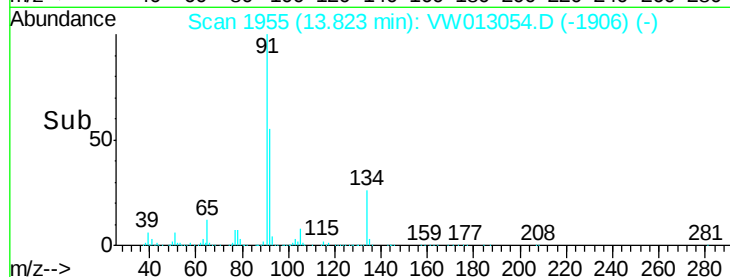
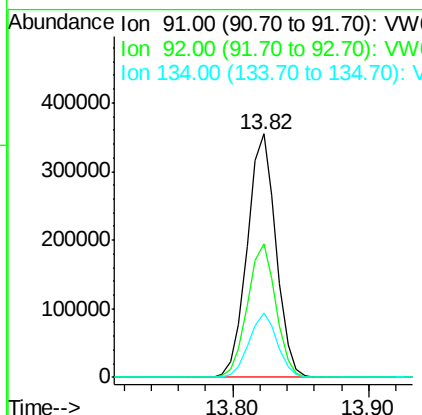
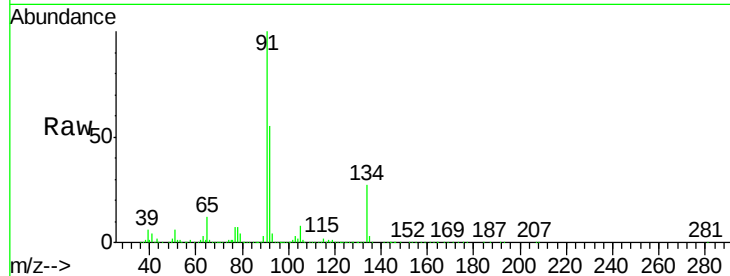
#89
n-Butylbenzene
Concen: 49.562 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.2	81.5
134	26.0	13.1	39.1

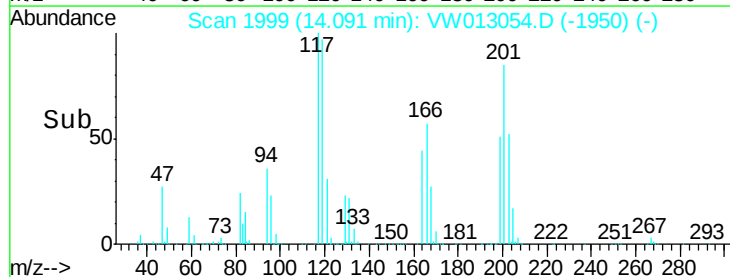
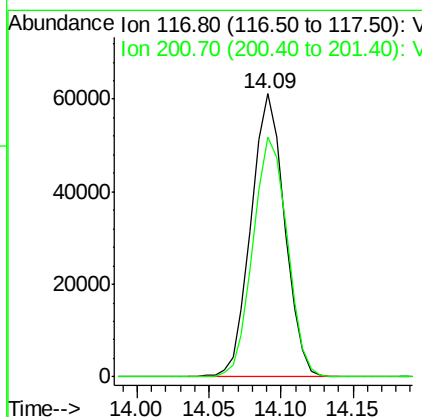
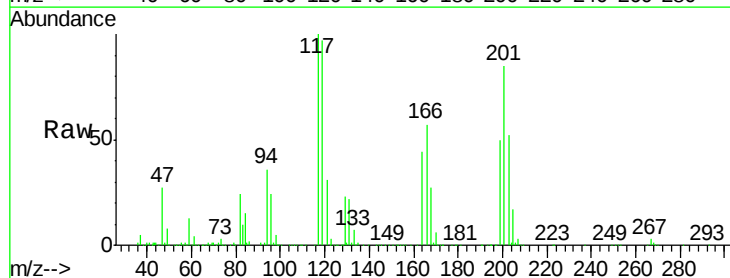
Manual Integrations
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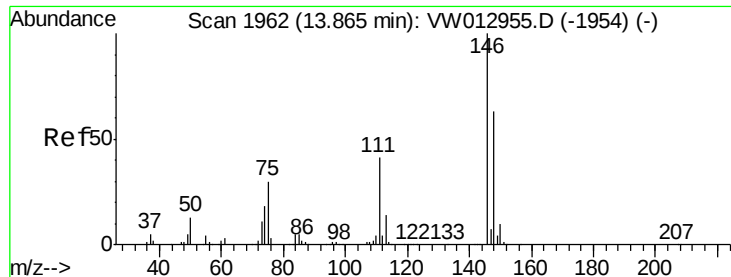
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#90
Hexachloroethane
Concen: 49.212 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	45.3	135.9





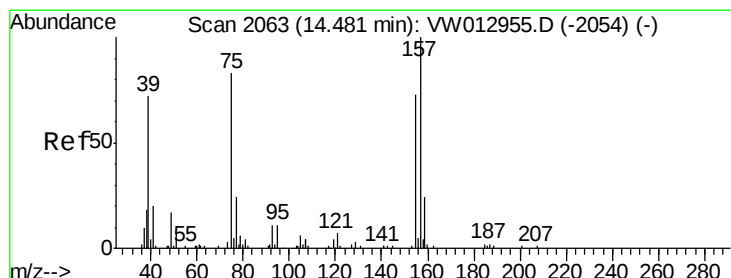
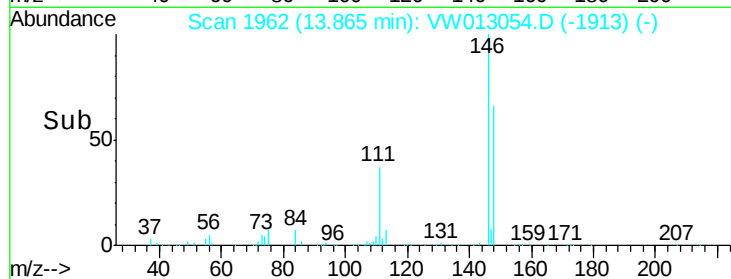
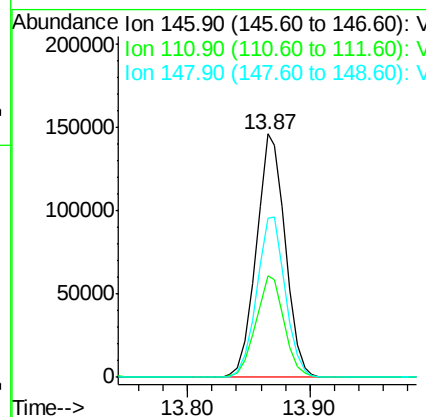
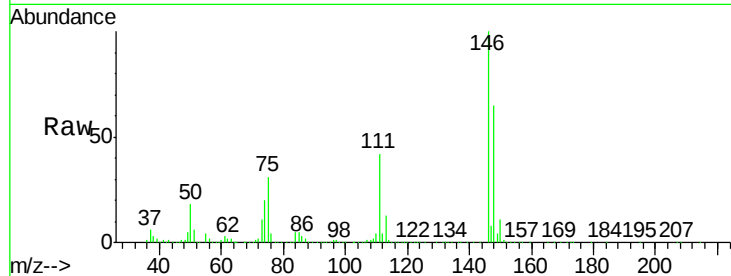
#91
 1,2-Dichlorobenzene
 Concen: 50.552 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.5
148	65.2	32.7	98.1

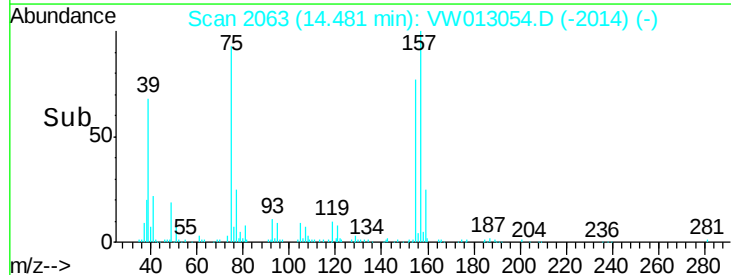
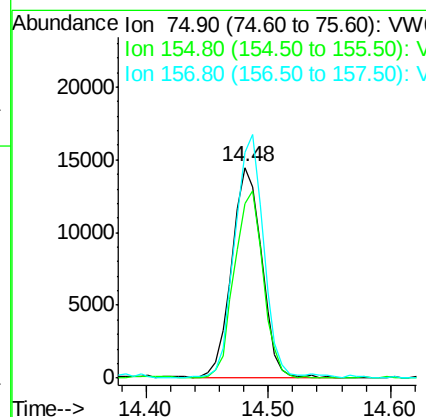
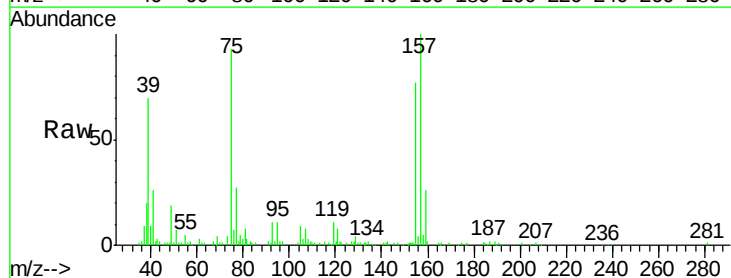
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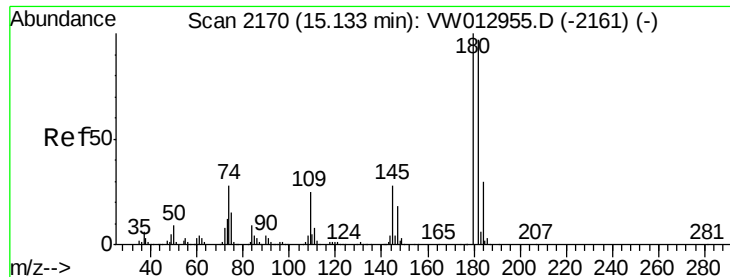
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.641 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	43.3	129.9
157	112.1	54.7	164.1





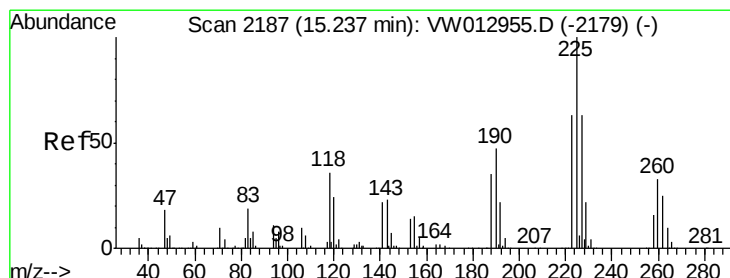
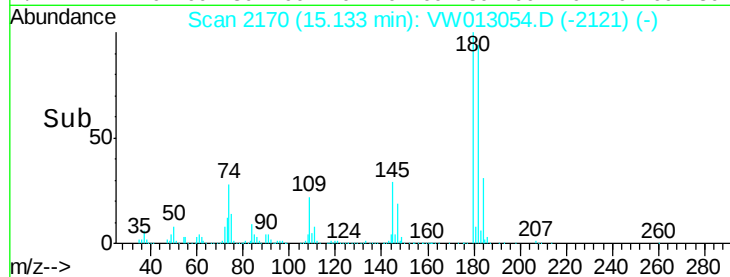
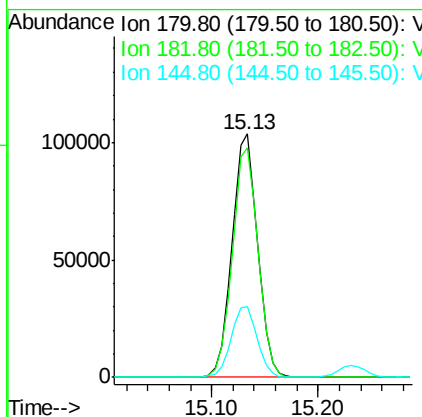
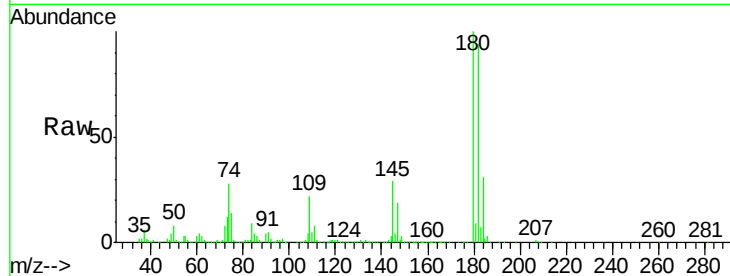
#93
 1,2,4-Trichlorobenzene
 Concen: 51.474 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	174181		
182	95.2	47.4	142.2	
145	29.4	14.9	44.7	

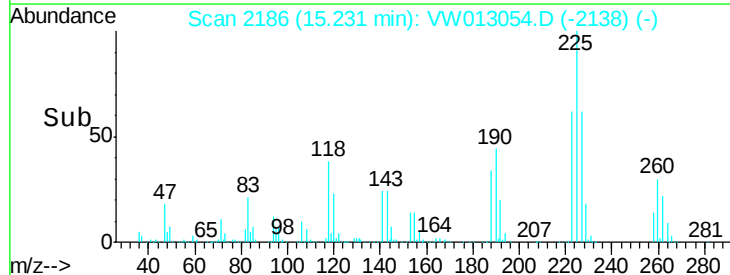
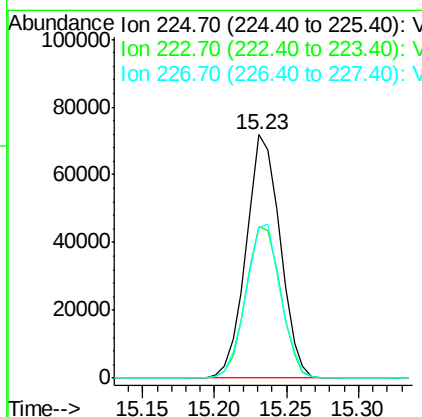
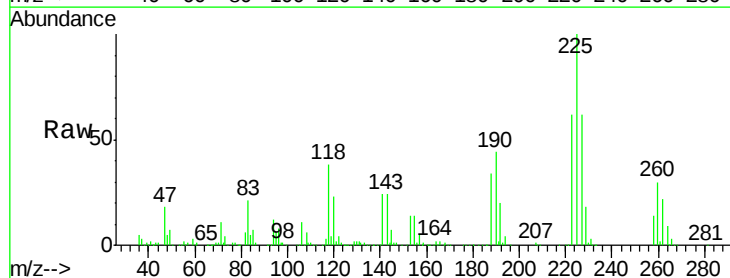
Manual Integrations
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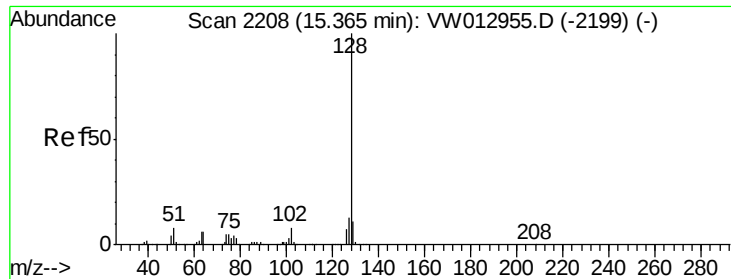
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#94
 Hexachlorobutadiene
 Concen: 48.921 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013054.D
 Acq: 16 Sep 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	117190		
223	64.0	31.8	95.3	
227	64.4	31.3	93.8	





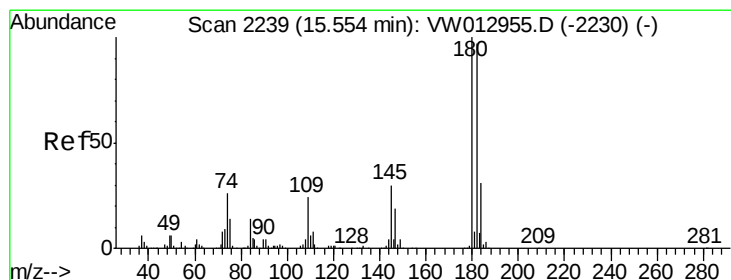
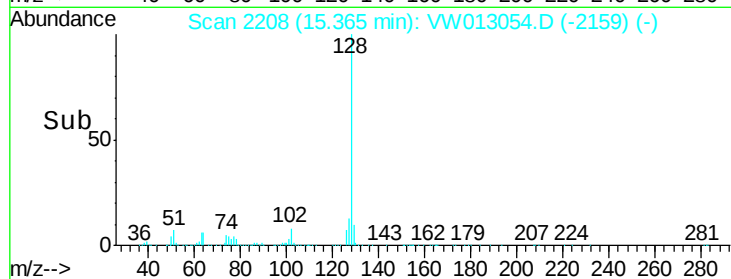
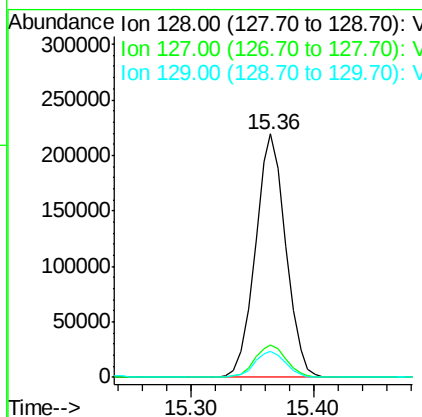
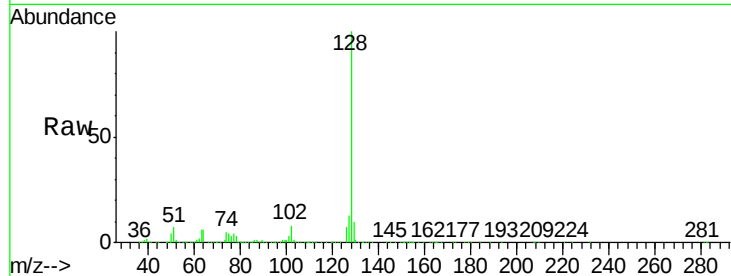
#95
Naphthalene
Concen: 66.749 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128	Resp:	377402
Ion Ratio	Lower	Upper
128 100		
127 13.7	11.0	16.6
129 11.1	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.547 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013054.D
Acq: 16 Sep 2019 20:42

Tgt Ion:180	Resp:	160173
Ion Ratio	Lower	Upper
180 100		
182 94.6	47.6	142.8
145 31.4	15.4	46.2

