

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012655.D
 Acq On : 05 Sep 2019 21:28
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:29:37 PM

Quant Time: Sep 06 08:27:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	142605	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	7.88	113	115245	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	
50) Toluene-d8	10.32	98	440221	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
62) 4-Bromofluorobenzene	12.61	95	145922	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	71260	53.006	ug/l	98
3) Chloromethane	2.21	50	96775	46.463	ug/l	99
4) Vinyl Chloride	2.36	62	110866	43.489	ug/l	97
5) Bromomethane	2.77	94	62792	48.635	ug/l	98
6) Chloroethane	2.90	64	66657	46.350	ug/l	98
7) Trichlorofluoromethane	3.24	101	66560	51.997	ug/l	99
8) Diethyl Ether	3.67	74	71029	58.458	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	118778	54.589	ug/l	96
10) Methyl Iodide	4.26	142	169063	57.426	ug/l	99
11) Tert butyl alcohol	5.21	59	48337	309.465	ug/l #	81
12) 1,1-Dichloroethene	4.03	96	118379	54.054	ug/l	99
13) Acrolein	3.89	56	39886	271.278	ug/l	95
14) Allyl chloride	4.66	41	254785	54.419	ug/l	98
15) Acrylonitrile	5.37	53	183163	304.132	ug/l	99
16) Acetone	4.13	43	164783	248.368	ug/l	98
17) Carbon Disulfide	4.37	76	312795	47.259	ug/l	99
18) Methyl Acetate	4.67	43	108497	66.025	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	231121	65.259	ug/l	96
20) Methylene Chloride	4.91	84	138825	55.349	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	132690	56.501	ug/l	98
22) Diisopropyl ether	6.31	45	510289	58.800	ug/l	97
23) Vinyl Acetate	6.25	43	1590736	297.844	ug/l	99
24) 1,1-Dichloroethane	6.21	63	276114	58.434	ug/l	100
25) 2-Butanone	7.17	43	258238	286.432	ug/l	97
26) 2,2-Dichloropropane	7.16	77	148380	55.479	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	150614	60.026	ug/l	99
28) Bromochloromethane	7.51	49	112987	54.861	ug/l	92
29) Tetrahydrofuran	7.53	42	166636	308.070	ug/l	98
30) Chloroform	7.67	83	263754	61.010	ug/l	99
31) Cyclohexane	7.95	56	227089	48.575	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	207136	60.567	ug/l	99
36) 1,1-Dichloropropene	8.08	75	204102	58.147	ug/l	100
37) Ethyl Acetate	7.25	43	116187	60.405	ug/l	98
38) Carbon Tetrachloride	8.07	117	185672	61.115	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	213383	54.113	ug/l	97
40) Benzene	8.32	78	572007	59.680	ug/l	100
41) Methacrylonitrile	7.48	41	73105	64.667	ug/l	99
42) 1,2-Dichloroethane	8.40	62	193290	64.347	ug/l	99
43) Isopropyl Acetate	8.42	43	226239	63.499	ug/l	99
44) Trichloroethene	9.09	130	144397	61.974	ug/l	90
45) 1,2-Dichloropropane	9.37	63	151704	58.812	ug/l	100
46) Dibromomethane	9.46	93	72808	63.439	ug/l	98
47) Bromodichloromethane	9.64	83	195732	64.080	ug/l	98
48) Methyl methacrylate	9.43	41	109487	64.566	ug/l	95
49) 1,4-Dioxane	9.48	88	21751	1237.978	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	587121	323.985	ug/l	100
52) Toluene	10.38	92	353250	61.351	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	200254	64.362	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	233512	62.157	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	103893	63.980	ug/l	98
56) Ethyl methacrylate	10.65	69	155962	65.992	ug/l	99
57) 1,3-Dichloropropane	10.93	76	194510	63.387	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	371189	306.030	ug/l	99
59) 2-Hexanone	10.97	43	392637	306.212	ug/l	99
60) Dibromochloromethane	11.13	129	120860	66.823	ug/l	100
61) 1,2-Dibromoethane	11.23	107	98584	65.167	ug/l	99
64) Tetrachloroethene	10.86	164	122306	68.947	ug/l	98
65) Chlorobenzene	11.66	112	322604	59.878	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	120177	63.940	ug/l	99
67) Ethyl Benzene	11.73	91	622077	59.940	ug/l	99
68) m/p-Xylenes	11.84	106	450493	120.504	ug/l	99
69) o-Xylene	12.16	106	216942	62.699	ug/l	99
70) Styrene	12.18	104	381485	63.698	ug/l	99
71) Bromoform	12.35	173	66903	71.444	ug/l #	98
73) Isopropylbenzene	12.46	105	615533	55.208	ug/l	99
74) N-amyl acetate	12.27	43	186317	55.311	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	116558	57.025	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	78110m	53.901	ug/l	
77) Bromobenzene	12.75	156	143525	59.504	ug/l	96
78) n-propylbenzene	12.80	91	729747	53.615	ug/l	98
79) 2-Chlorotoluene	12.89	91	429062	55.524	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	531625	57.064	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37150	56.208	ug/l	97
82) 4-Chlorotoluene	12.99	91	444194	54.898	ug/l	99
83) tert-Butylbenzene	13.21	119	459592	58.238	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	533339	56.990	ug/l	100
85) sec-Butylbenzene	13.38	105	654292	57.870	ug/l	100
86) p-Isopropyltoluene	13.50	119	593636	58.793	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	276904	58.693	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	281660	60.126	ug/l	100
89) n-Butylbenzene	13.82	91	595859	59.343	ug/l	99
90) Hexachloroethane	14.09	117	105762	59.702	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	258570	62.475	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22275	64.643	ug/l	97

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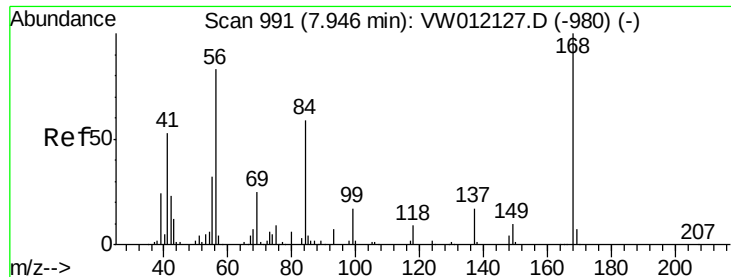
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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QLast Update : Mon Aug 26 07:18:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	188423	65.879	ug/l	100
94) Hexachlorobutadiene	15.24	225	122178	64.694	ug/l	97
95) Naphthalene	15.36	128	345878	60.623	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	166274	66.632	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: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 218337

Ion Ratio Lower Upper

168 100

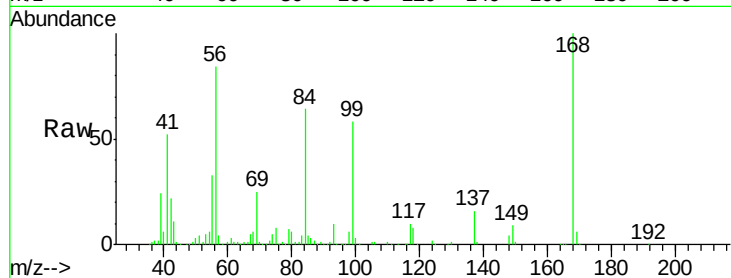
99 57.5 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

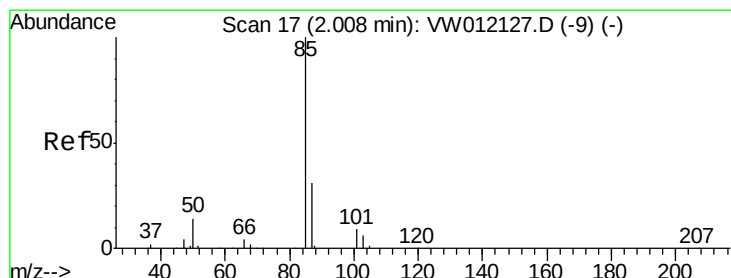
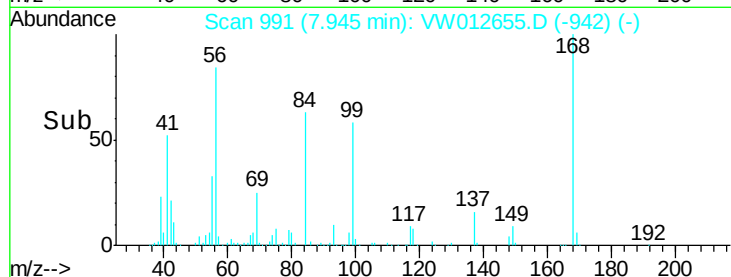
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.006 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012655.D

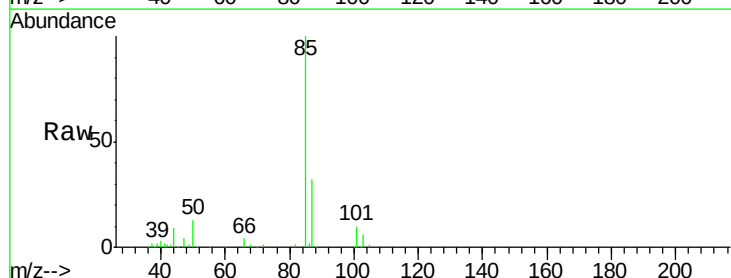
Acq: 05 Sep 2019 21:28

Tgt Ion: 85 Resp: 71260

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

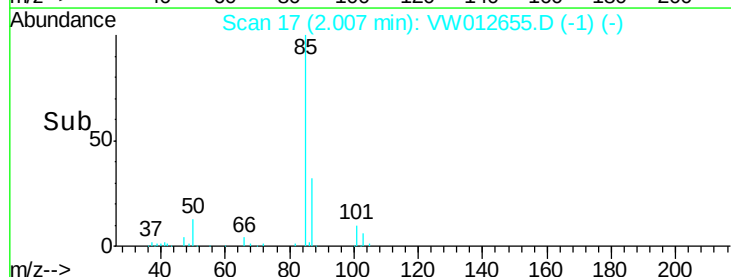
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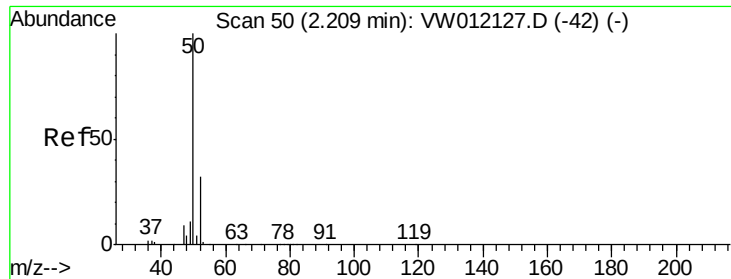
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5000

0

Time-->





#3

Chloromethane

Concen: 46.463 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 96775

Ion Ratio Lower Upper

50 100

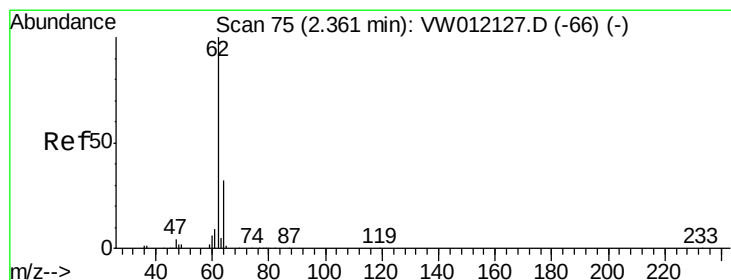
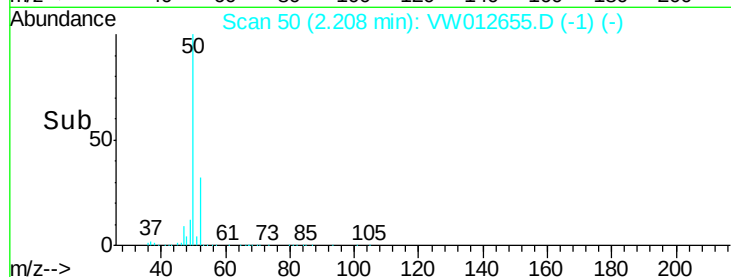
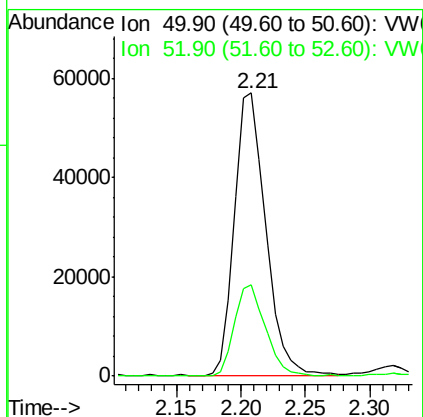
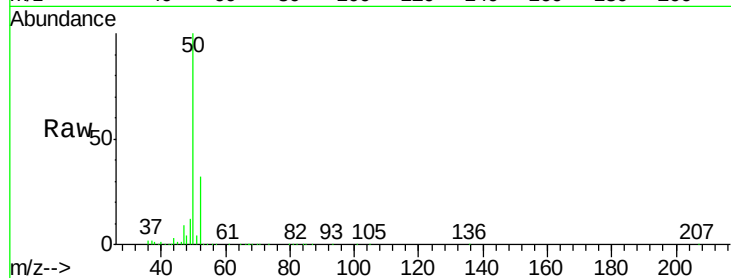
52 32.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.489 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012655.D

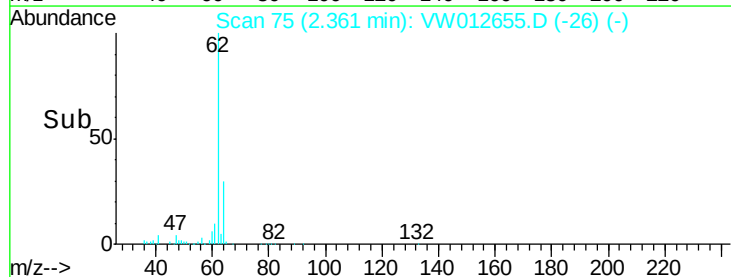
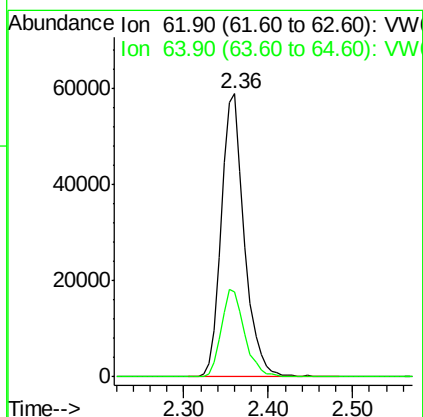
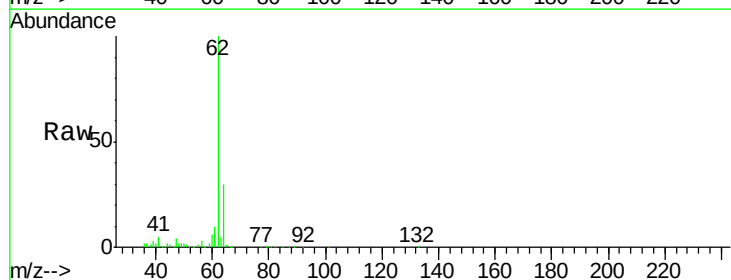
Acq: 05 Sep 2019 21:28

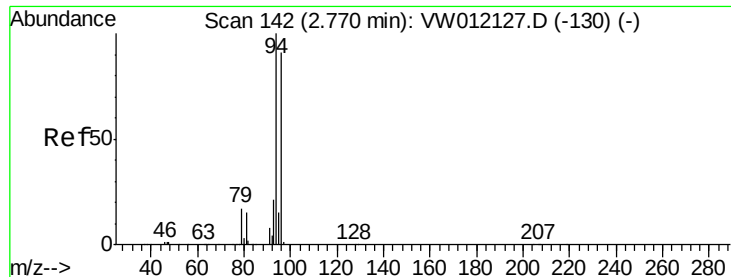
Tgt Ion: 62 Resp: 110866

Ion Ratio Lower Upper

62 100

64 29.8 25.3 37.9





#5

Bromomethane

Concen: 48.635 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 62792

Ion Ratio Lower Upper

94 100

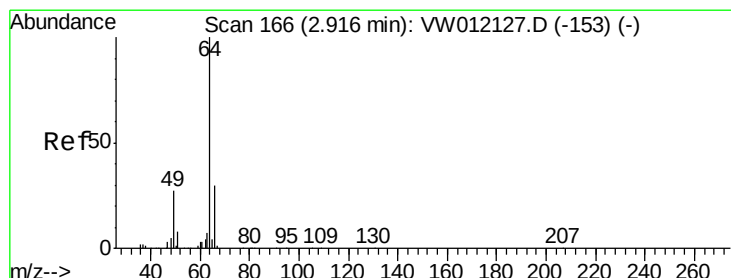
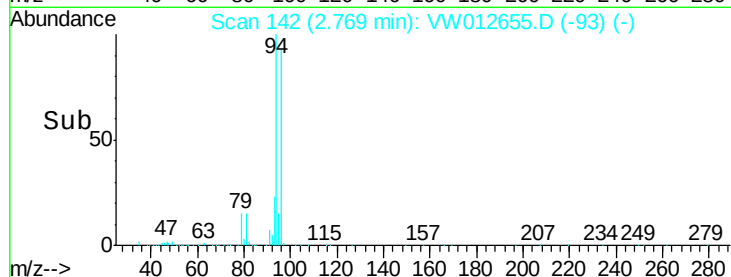
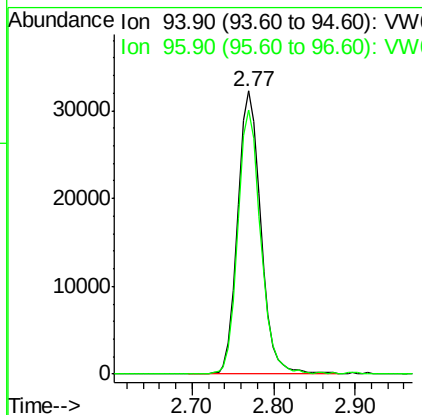
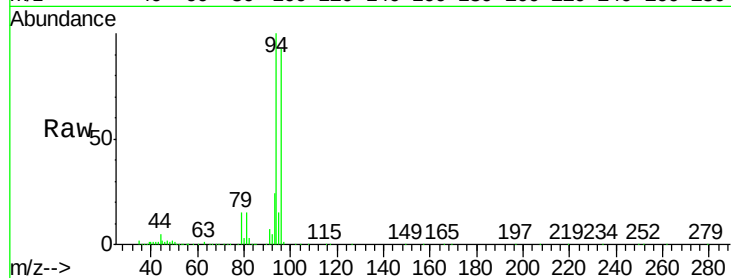
96 93.2 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 46.350 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012655.D

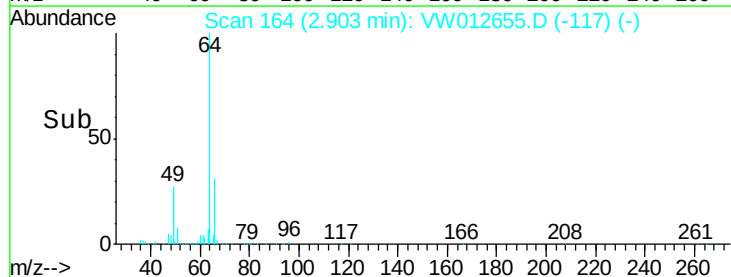
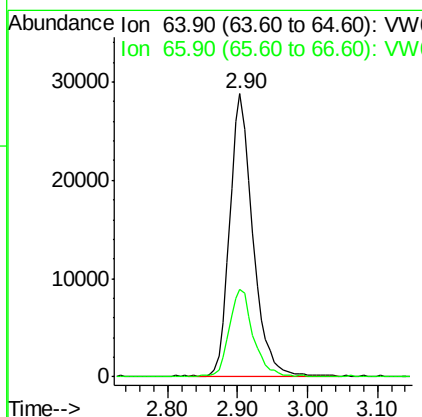
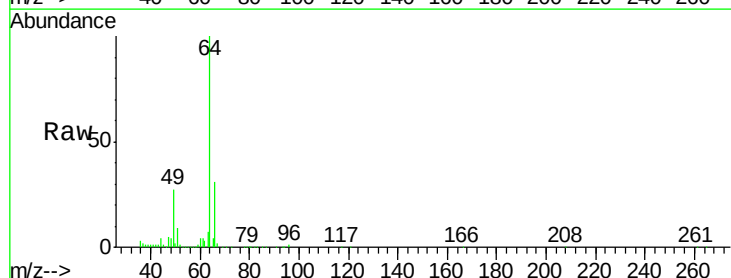
Acq: 05 Sep 2019 21:28

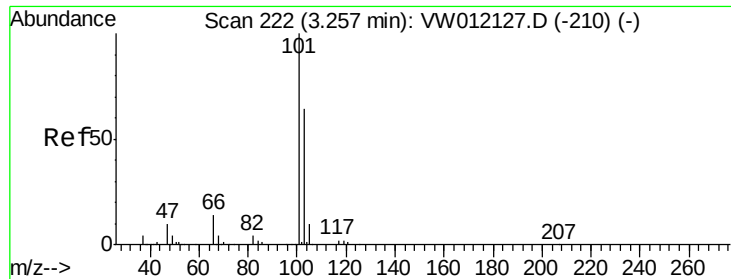
Tgt Ion: 64 Resp: 66657

Ion Ratio Lower Upper

64 100

66 30.7 23.8 35.8





#7

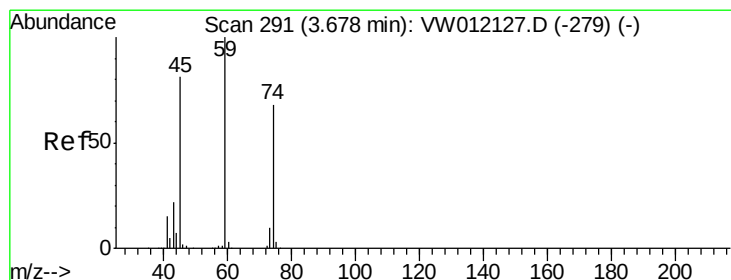
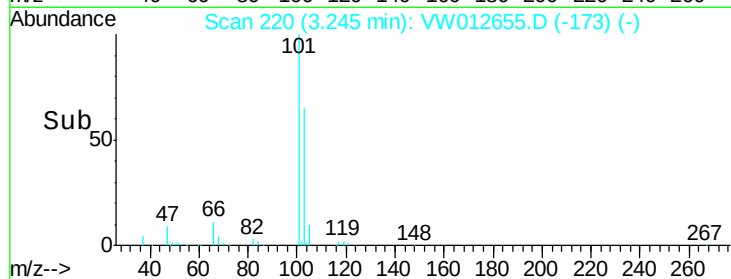
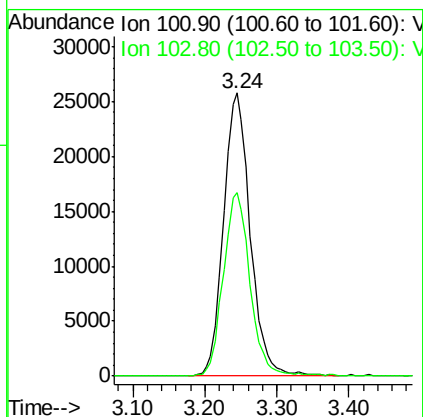
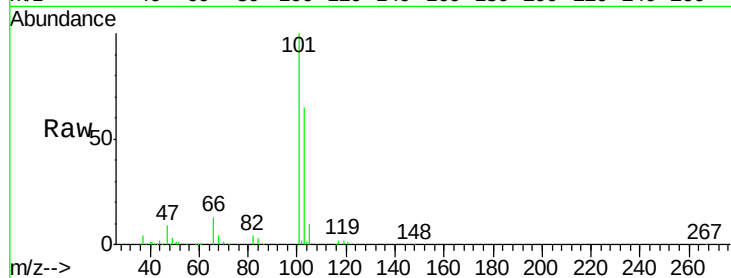
Trichlorofluoromethane
Concen: 51.997 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.2	76.8

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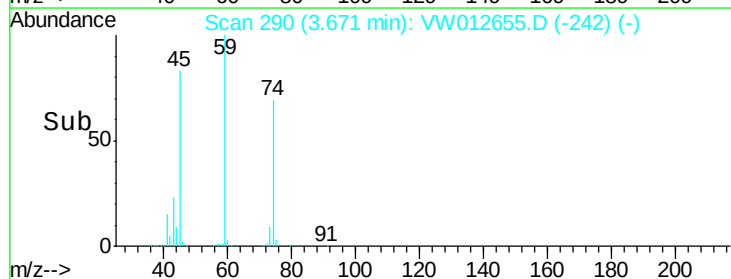
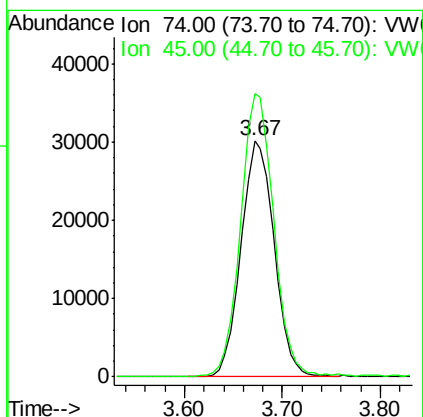
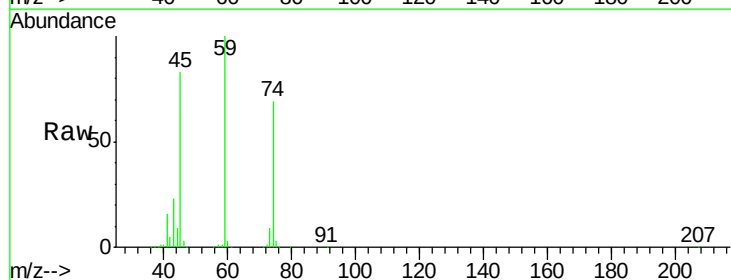
MMDadoda
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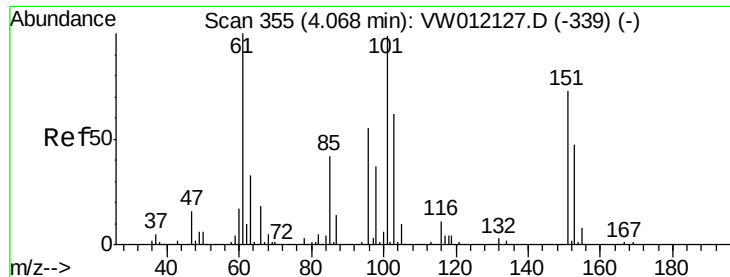


#8

Diethyl Ether
Concen: 58.458 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.8	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.589 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 118778

Ion Ratio Lower Upper

101 100

85 44.8 35.8 53.6

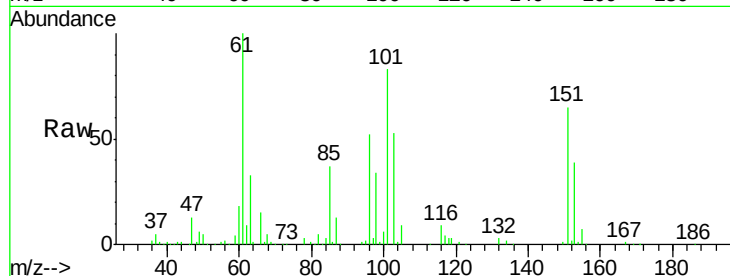
151 78.2 58.6 87.8

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

4.06

30000

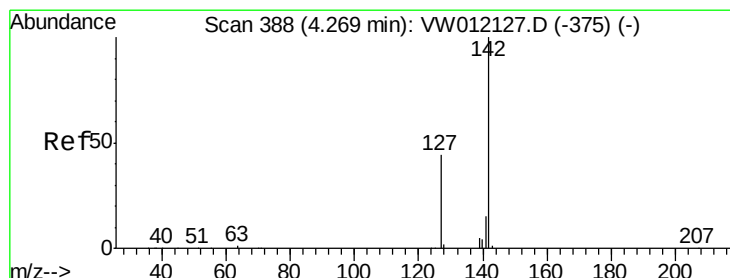
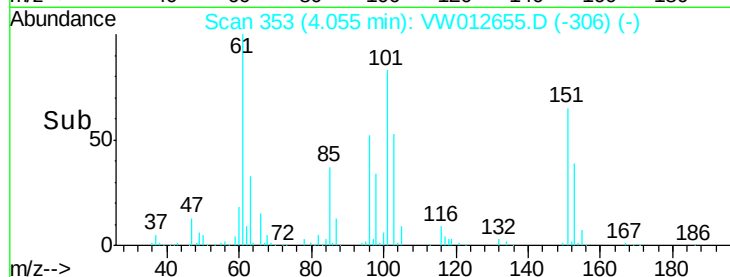
20000

10000

0

Time-->

3.90 4.00 4.10 4.20 4.30



#10

Methyl Iodide

Concen: 57.426 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

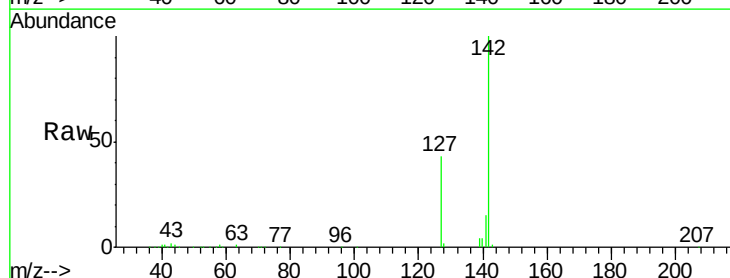
Tgt Ion:142 Resp: 169063

Ion Ratio Lower Upper

142 100

127 44.9 35.5 53.3

141 15.2 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.26

60000

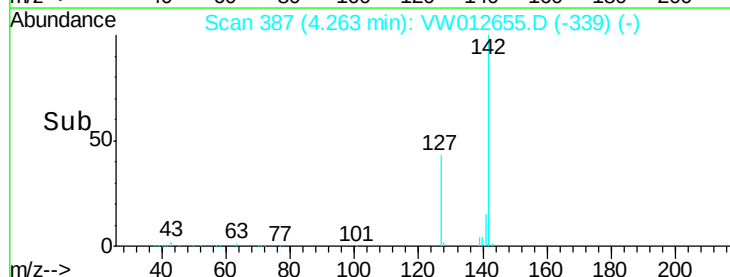
40000

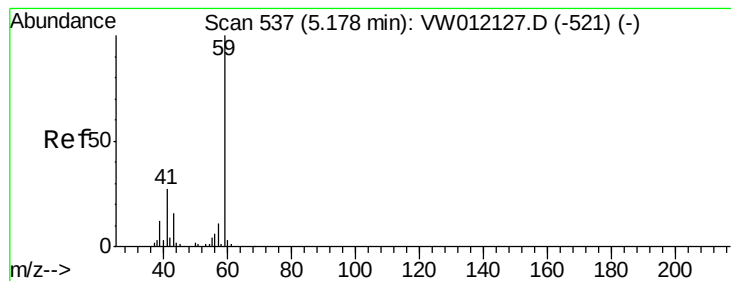
20000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#11

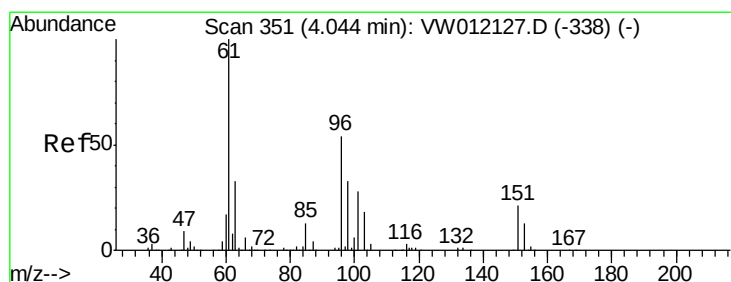
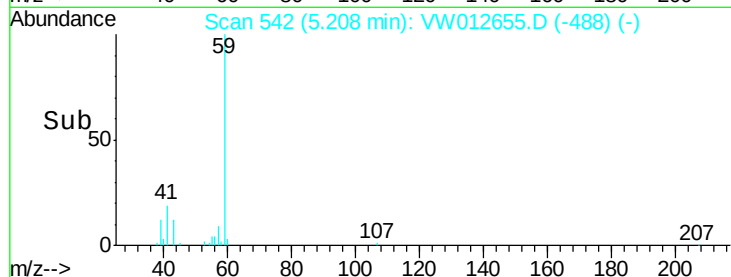
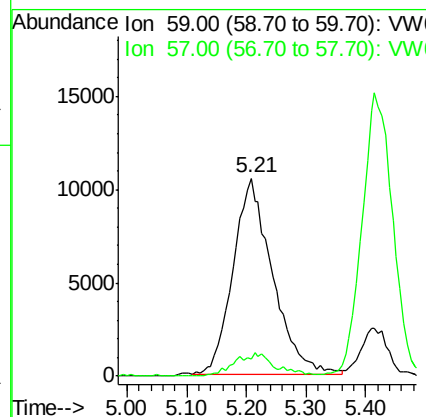
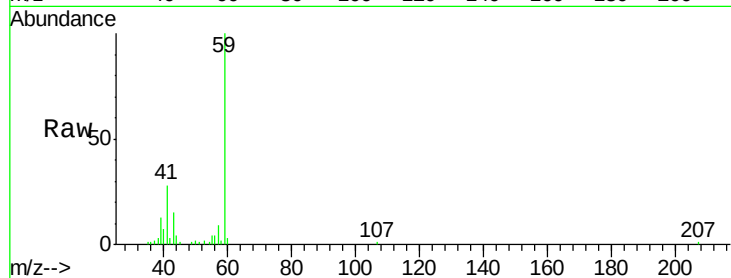
Tert butyl alcohol
Concen: 309.465 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.03 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.0	9.0	13.4#

Manual Integrations
APPROVED

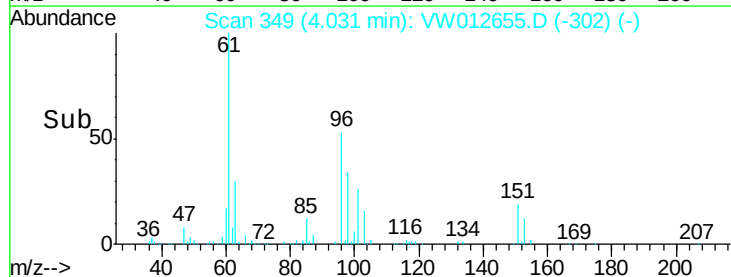
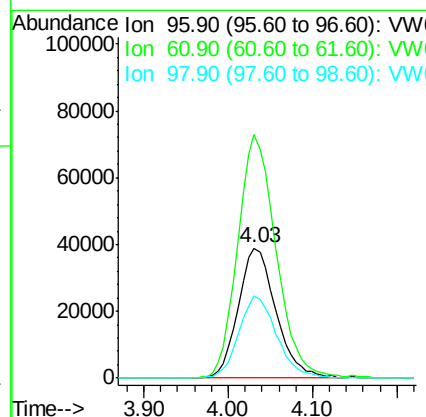
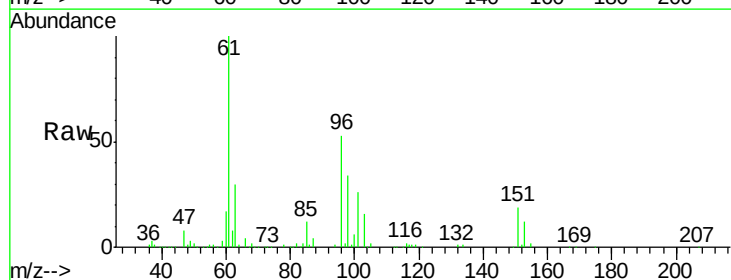
MMDadoda
9/6/2019 12:29:37 PM

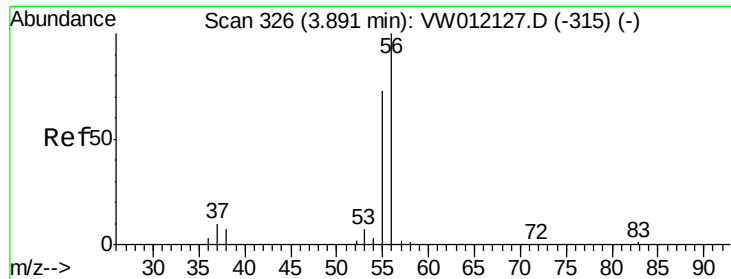


#12

1,1-Dichloroethene
Concen: 54.054 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.9	149.1	223.7
98	63.1	49.4	74.2





#13

Acrolein

Concen: 271.278 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 39886

Ion Ratio Lower Upper

56 100

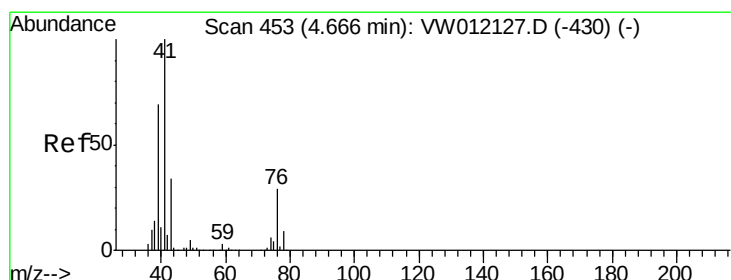
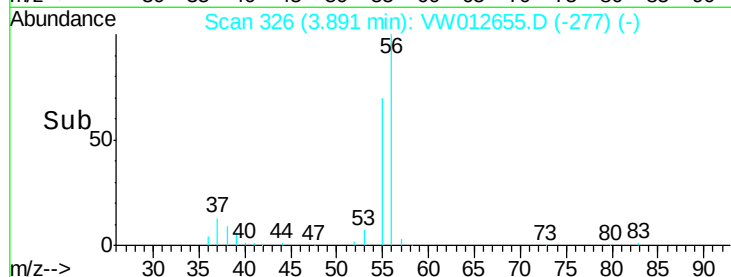
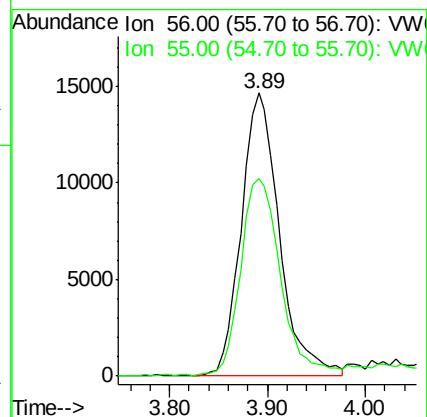
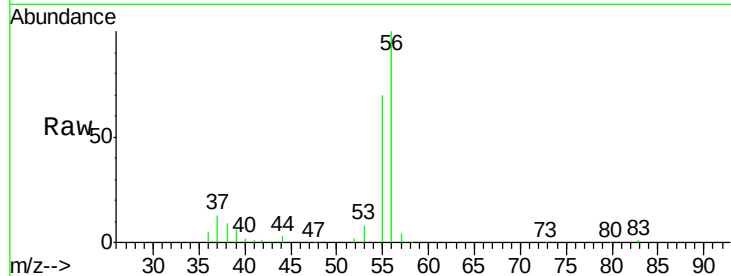
55 73.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 54.419 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

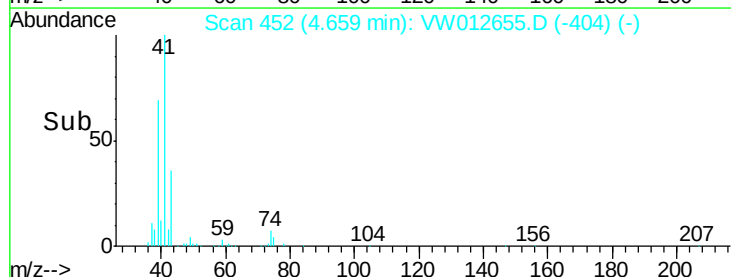
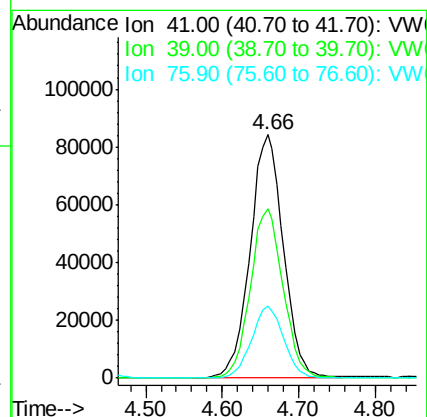
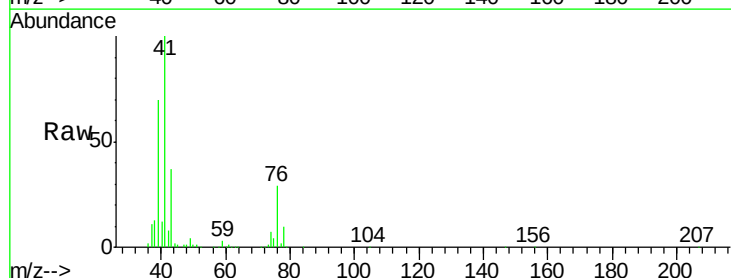
Tgt Ion: 41 Resp: 254785

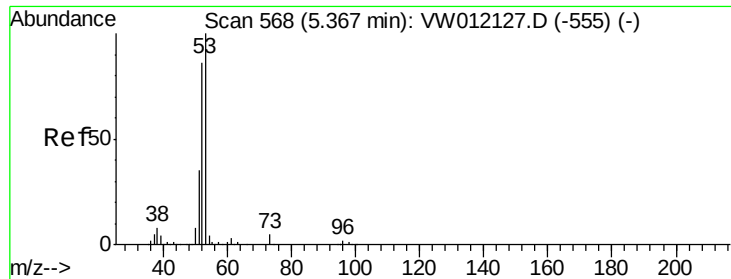
Ion Ratio Lower Upper

41 100

39 68.2 53.4 80.2

76 28.6 22.1 33.1





#15

Acrylonitrile

Concen: 304.132 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

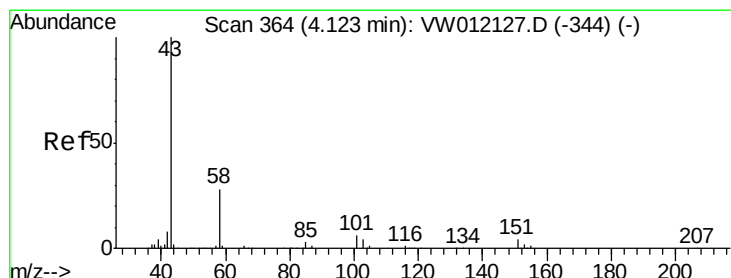
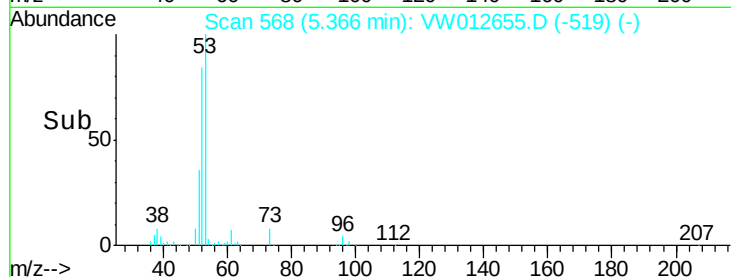
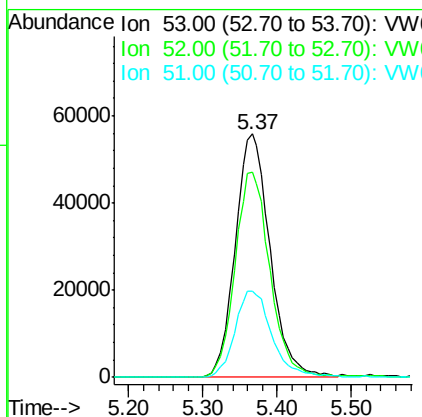
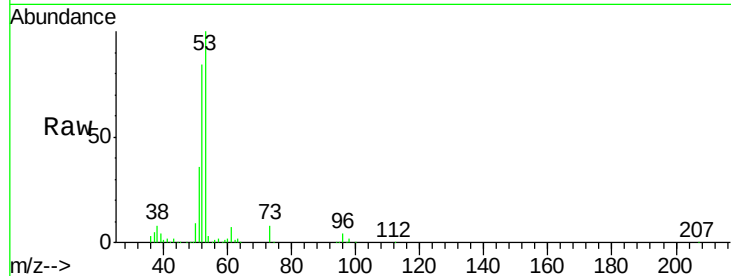
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	183163
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.7	100.1
51	37.5	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 248.368 ug/l

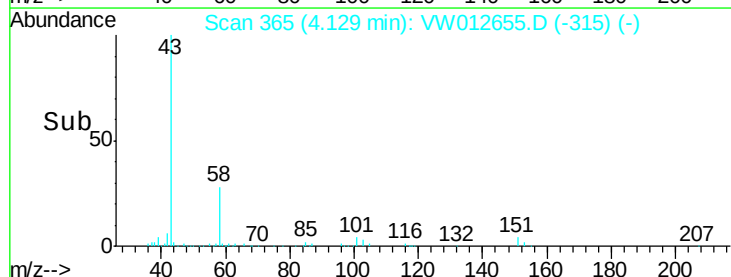
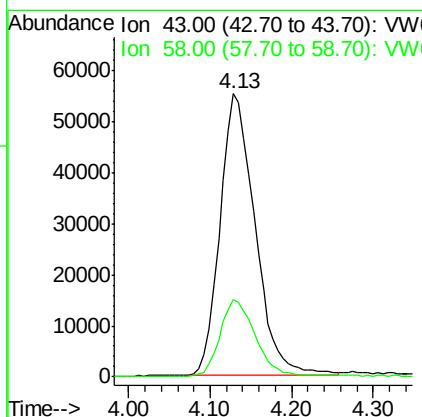
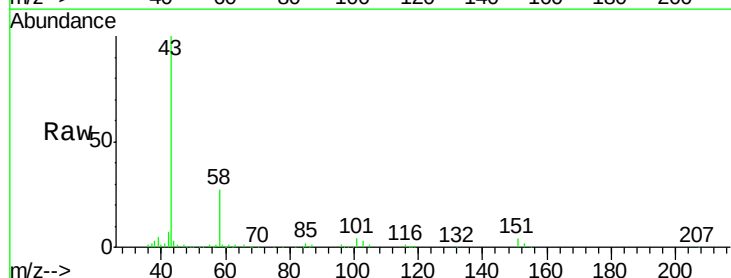
RT: 4.13 min Scan# 365

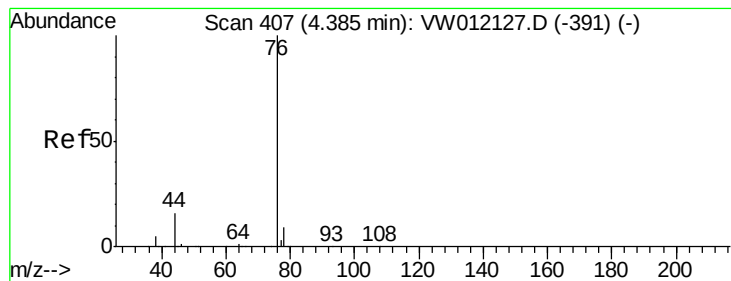
Delta R.T. 0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Tgt Ion:	43	Resp:	164783
Ion Ratio	Lower	Upper	
43	100		
58	27.2	22.4	33.6





#17

Carbon Disulfide

Concen: 47.259 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 312795

Ion Ratio Lower Upper

76 100

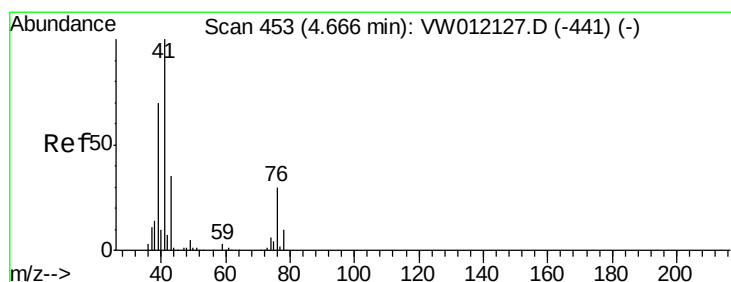
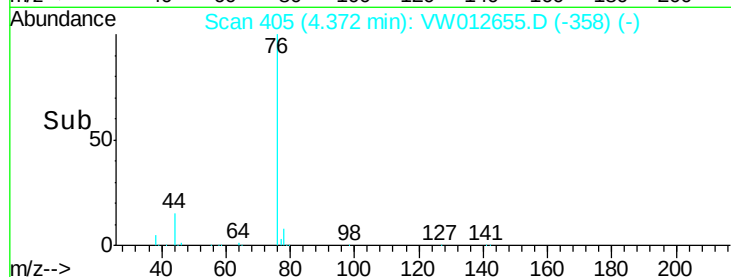
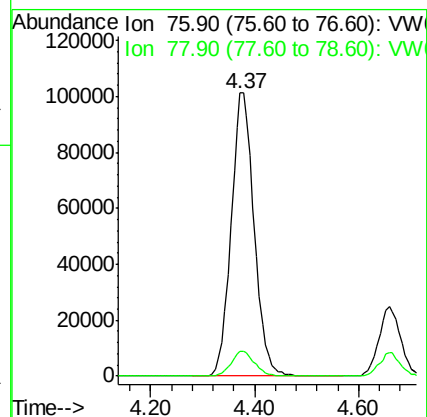
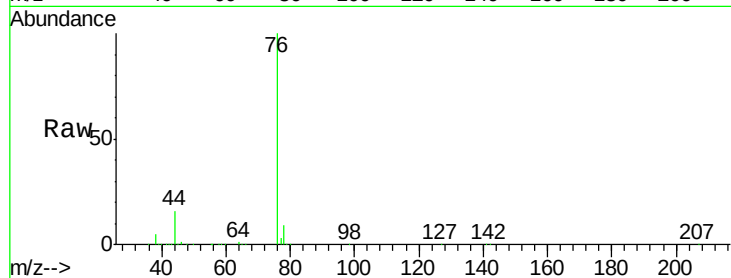
78 8.6 7.3 10.9

Manual Integrations

APPROVED

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#18

Methyl Acetate

Concen: 66.025 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012655.D

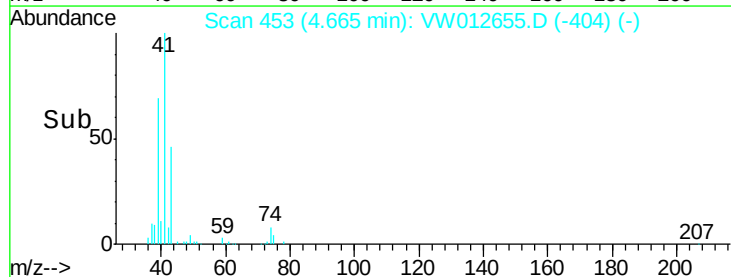
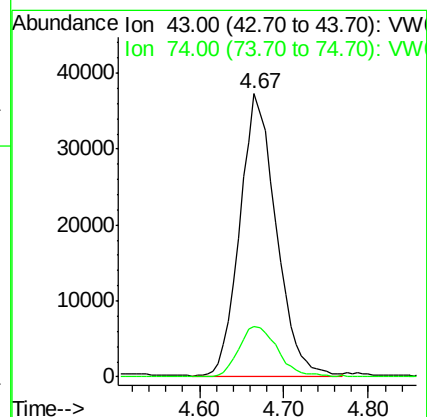
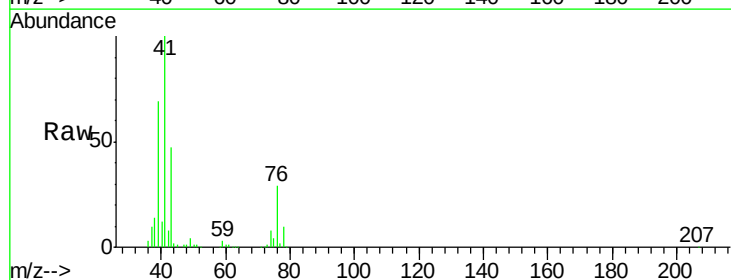
Acq: 05 Sep 2019 21:28

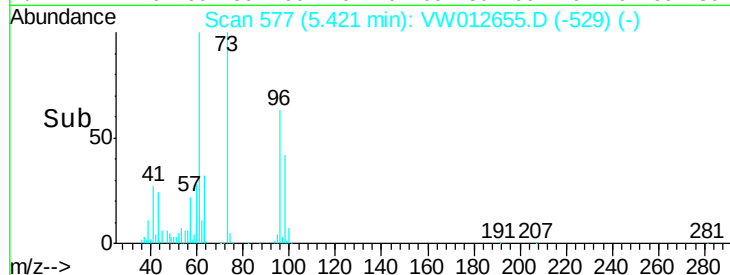
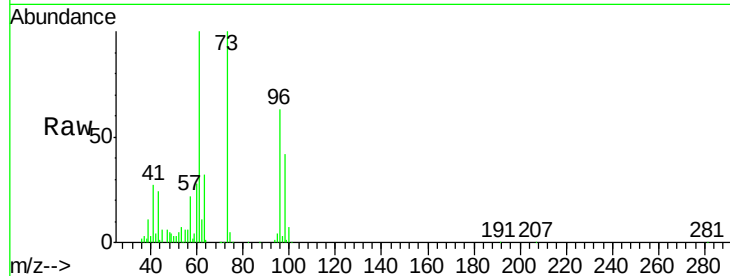
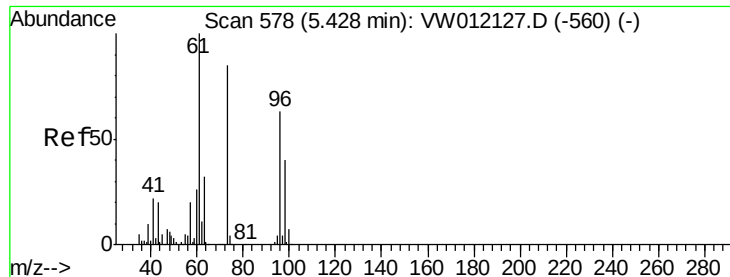
Tgt Ion: 43 Resp: 108497

Ion Ratio Lower Upper

43 100

74 19.5 15.7 23.5





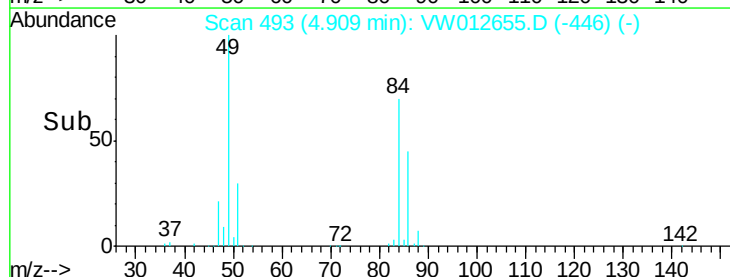
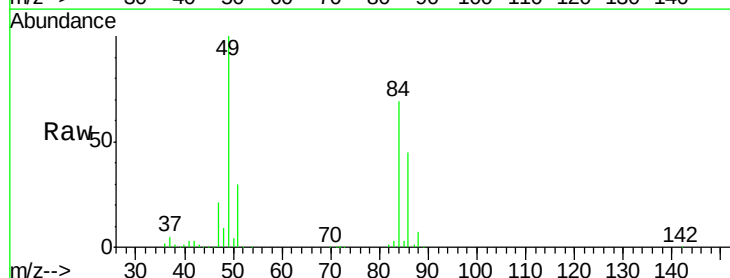
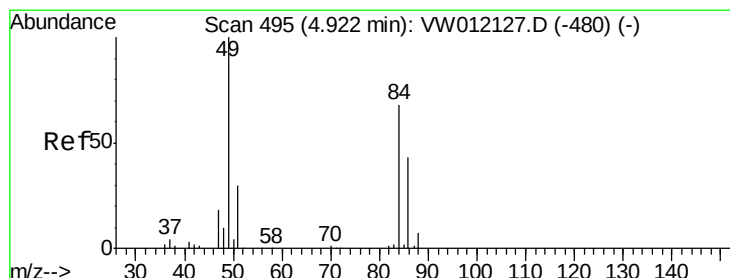
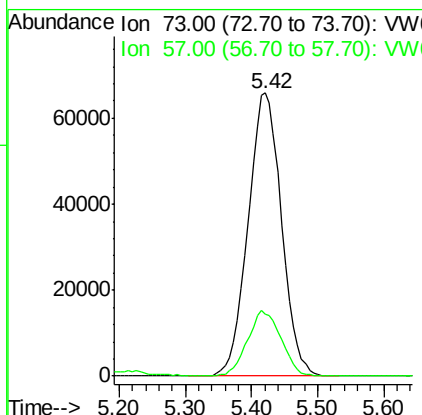
#19
Methyl tert-butyl Ether
Concen: 65.259 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.9	28.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

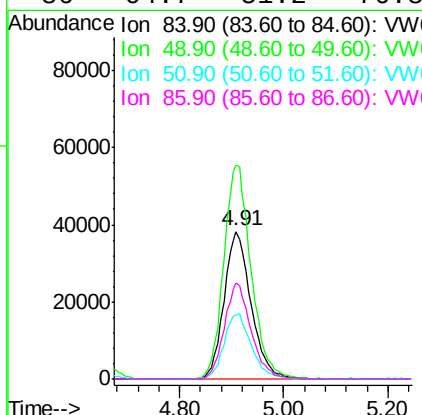
Manual Integrations
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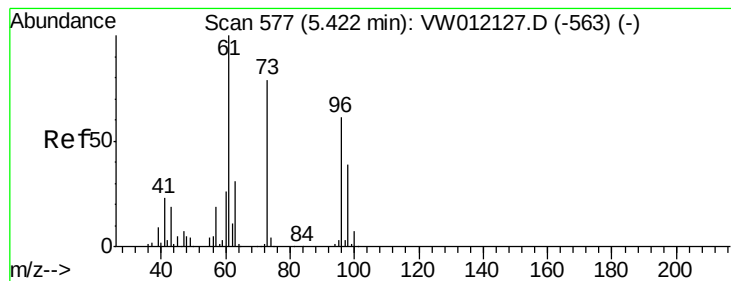
MMDadoda
9/6/2019 12:29:37 PM



#20
Methylene Chloride
Concen: 55.349 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.7	117.8	176.8
51	43.5	35.6	53.4
86	64.7	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 56.501 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

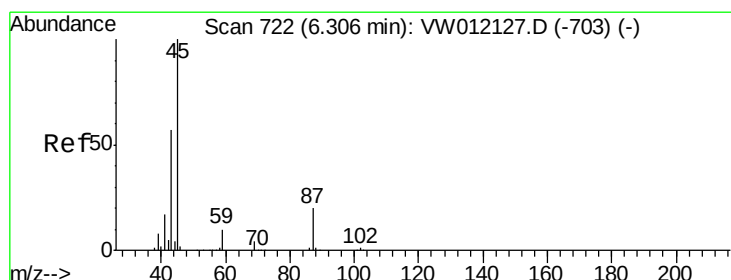
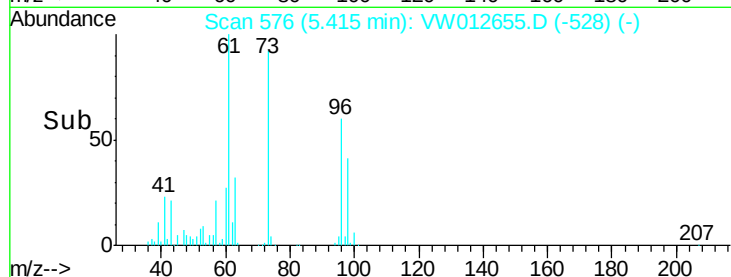
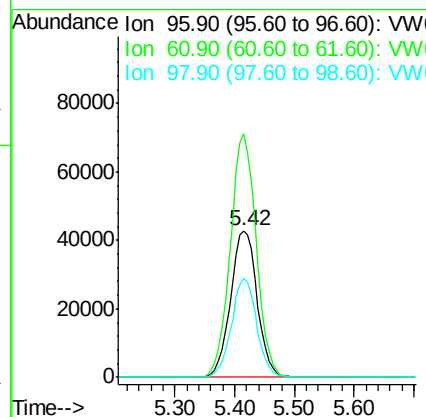
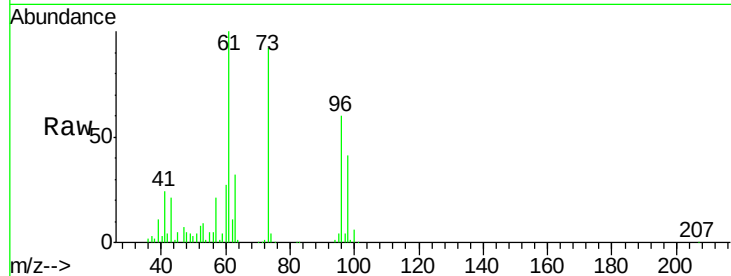
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	132690
Ion	Ratio	Lower	Upper
96	100		
61	165.8	131.4	197.0
98	67.6	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 58.800 ug/l

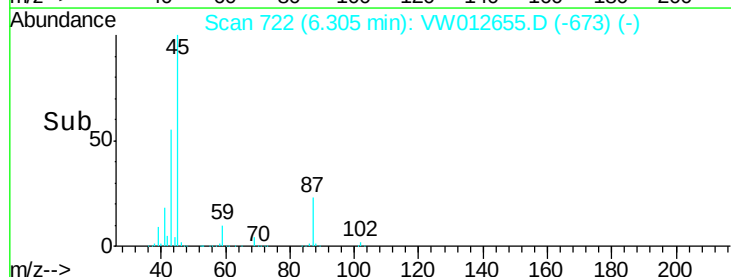
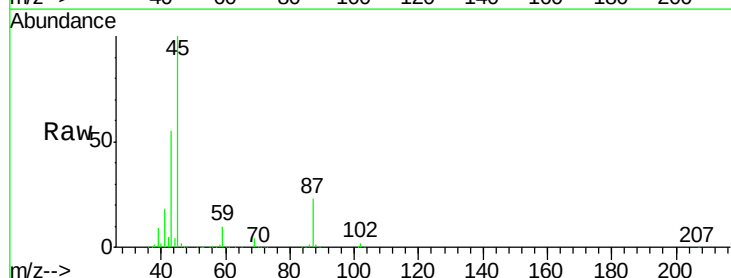
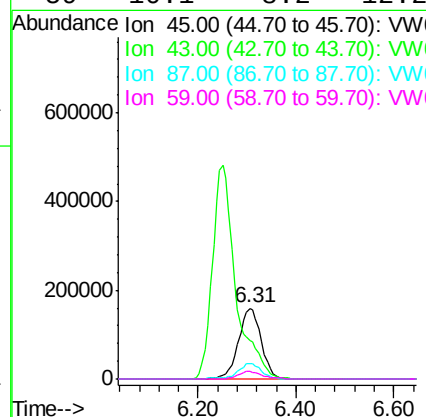
RT: 6.31 min Scan# 722

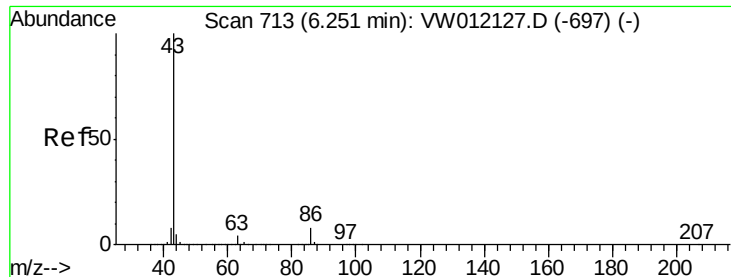
Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Tgt Ion:	45	Resp:	510289
Ion	Ratio	Lower	Upper
45	100		
43	55.1	45.5	68.3
87	22.7	16.1	24.1
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 297.844 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1590736

Ion Ratio Lower Upper

43 100

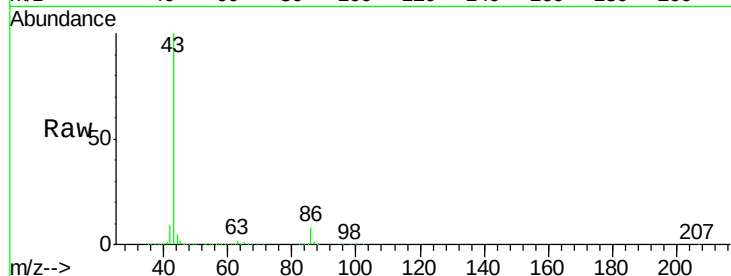
86 8.4 6.5 9.7

Manual Integrations

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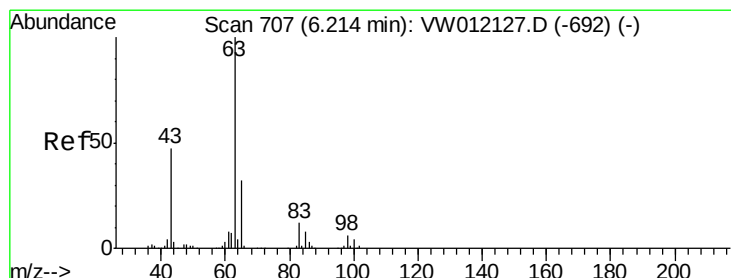
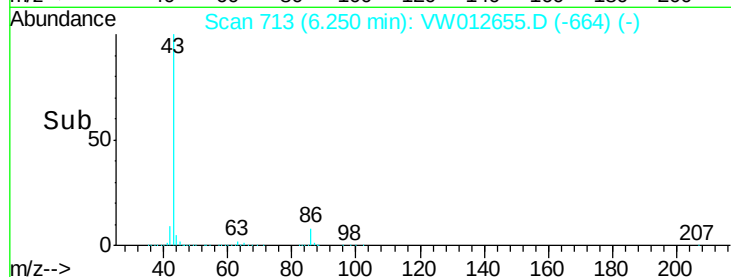
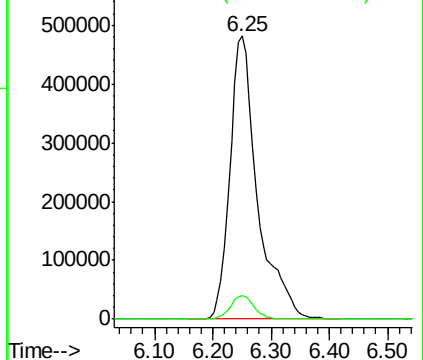
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 58.434 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

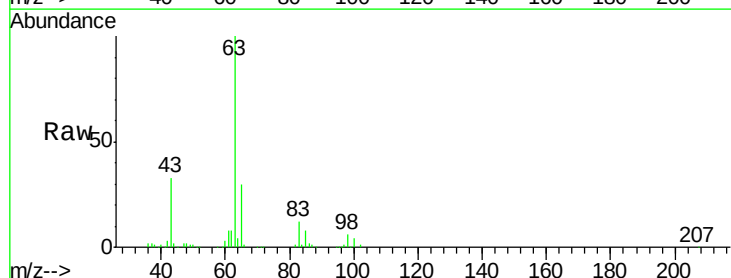
Tgt Ion: 63 Resp: 276114

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

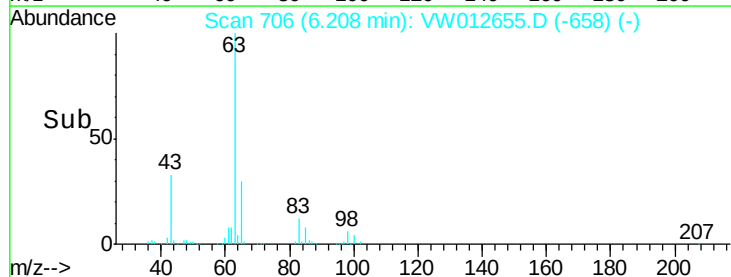
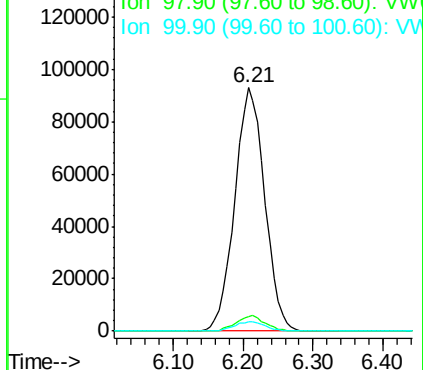
100 4.1 2.0 6.0

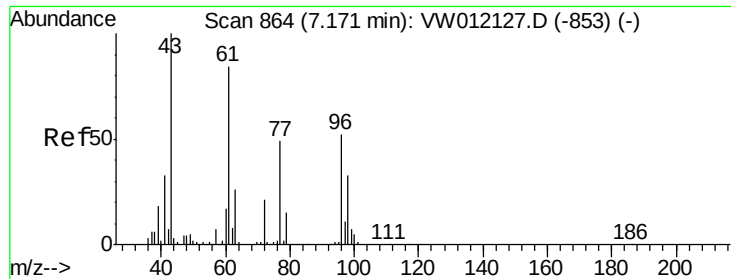


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 286.432 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 258238

Ion Ratio Lower Upper

43 100

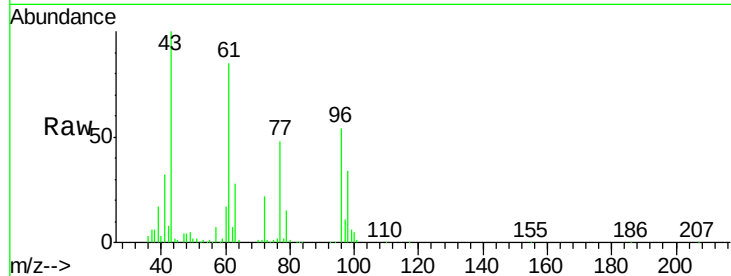
72 22.3 16.6 24.8

Manual Integrations

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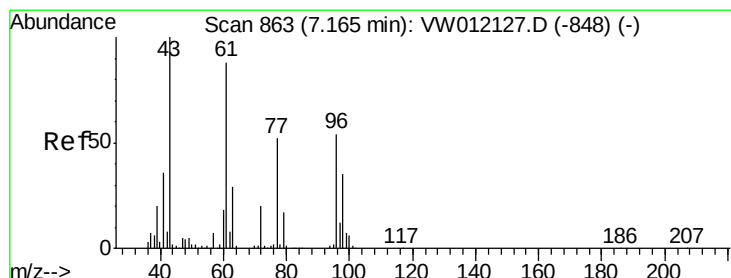
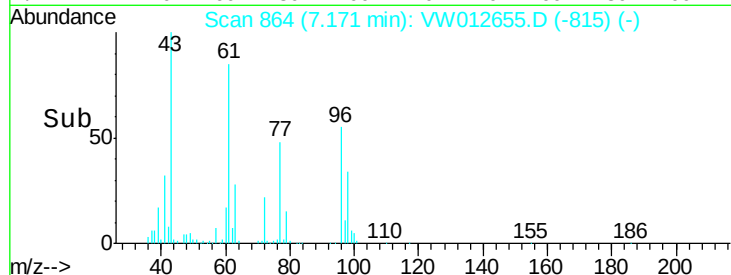
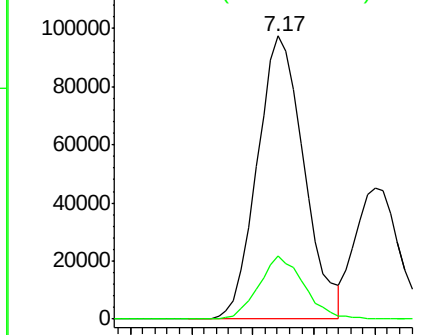
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 55.479 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012655.D

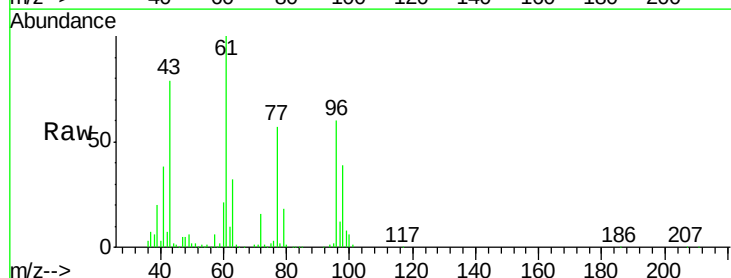
Acq: 05 Sep 2019 21:28

Tgt Ion: 77 Resp: 148380

Ion Ratio Lower Upper

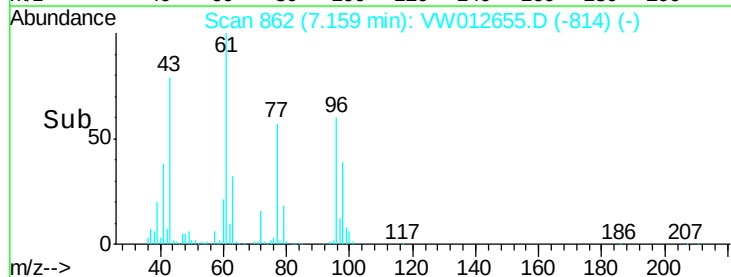
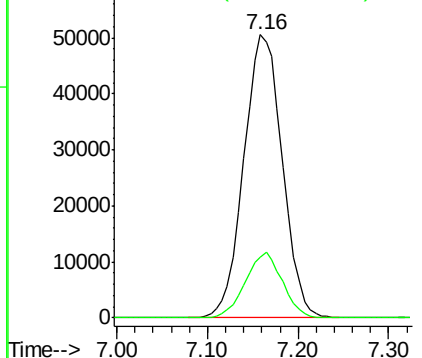
77 100

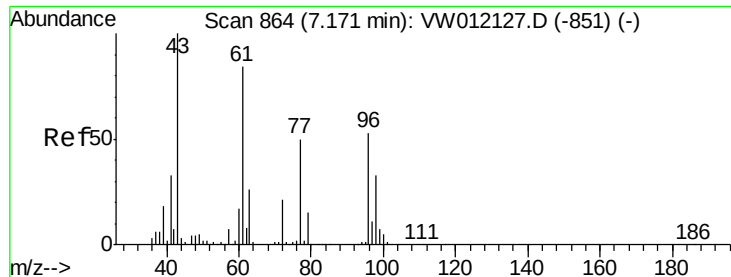
97 22.1 11.1 33.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

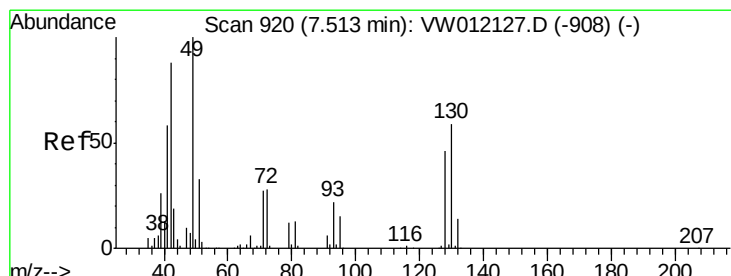
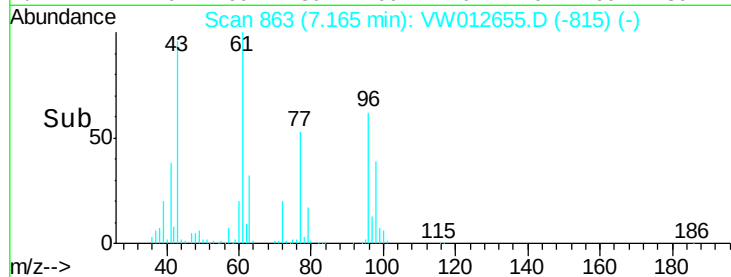
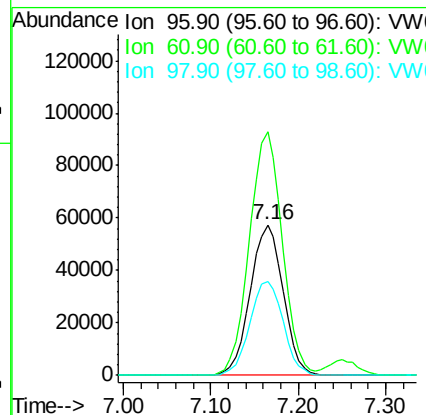
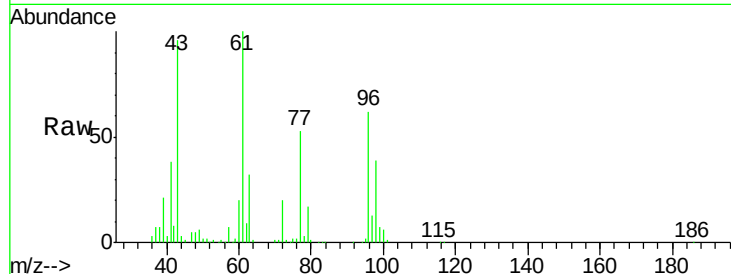
cis-1,2-Dichloroethene
Concen: 60.026 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	326.6
98	63.2	0.0	127.4

Manual Integrations
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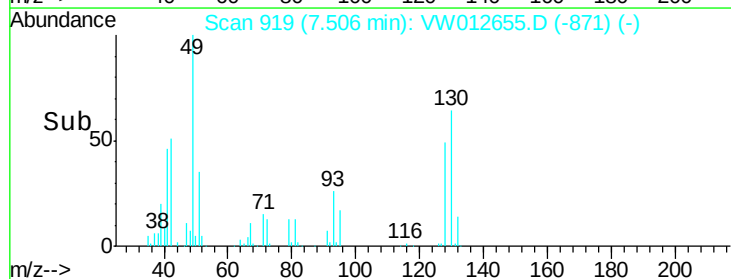
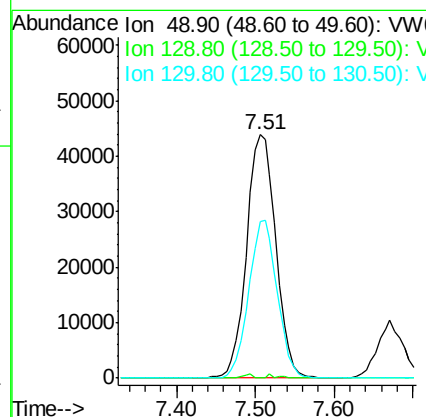
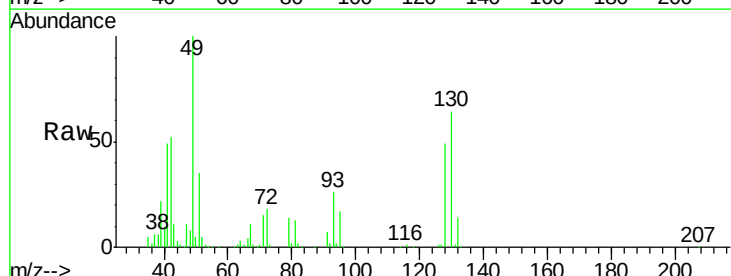
MMDadoda
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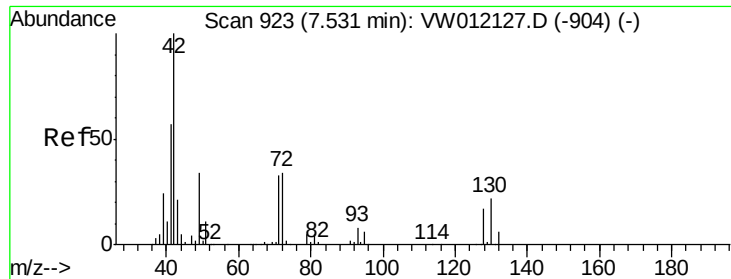


#28

Bromochloromethane
Concen: 54.861 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	1.4
130	63.0	45.5	68.3





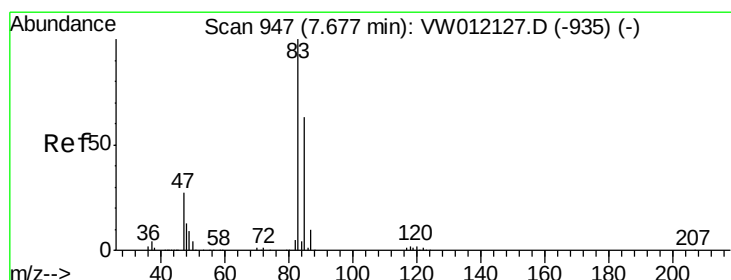
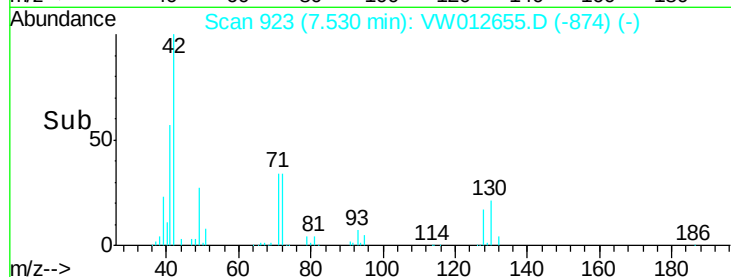
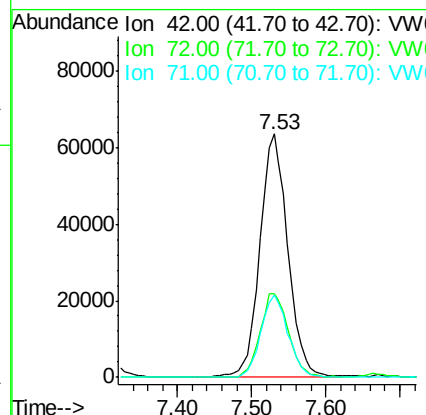
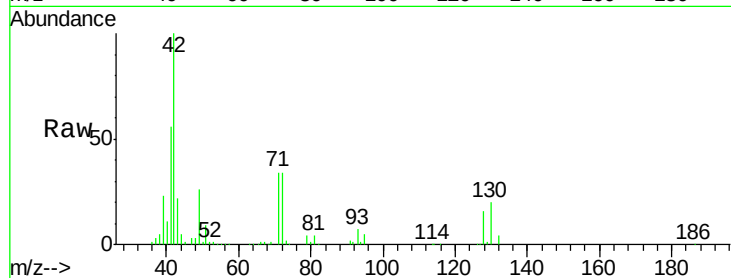
#29
Tetrahydrofuran
Concen: 308.070 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	166636
Ion	Ratio	Lower	Upper
42	100		
72	35.0	27.3	40.9
71	33.1	25.5	38.3

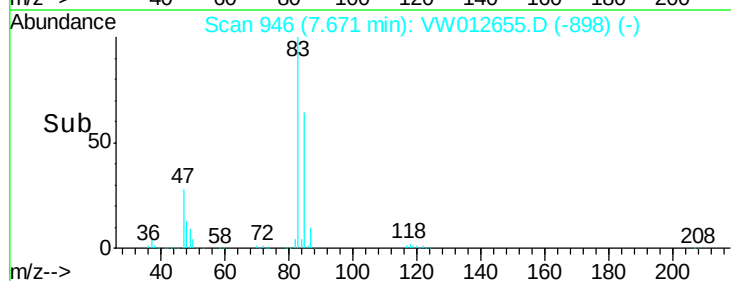
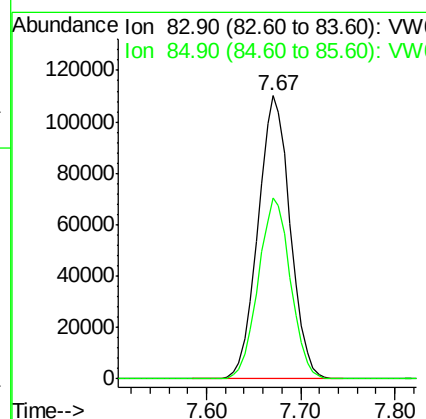
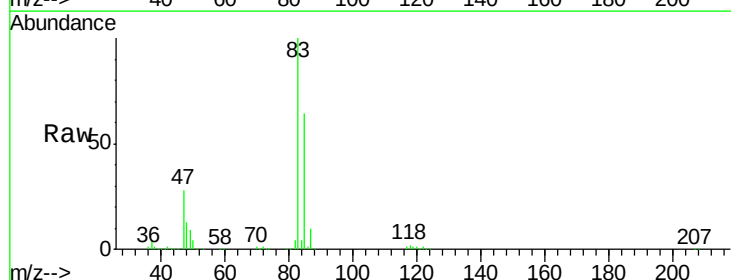
Manual Integrations
APPROVED

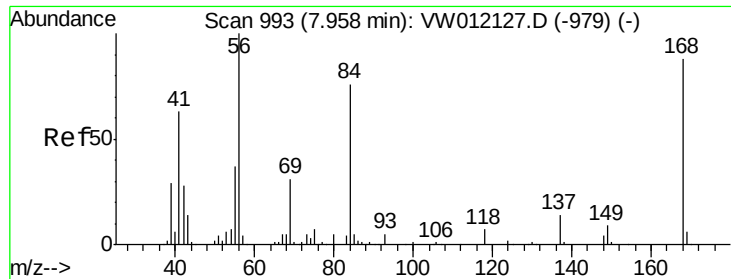
MMDadoda
9/6/2019 12:29:37 PM



#30
Chloroform
Concen: 61.010 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion:	83	Resp:	263754
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0





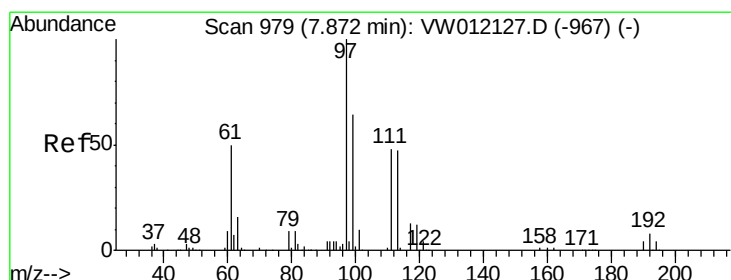
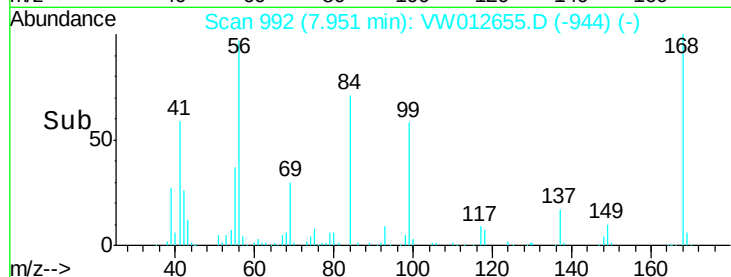
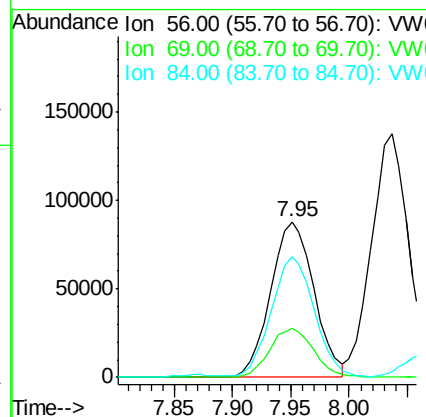
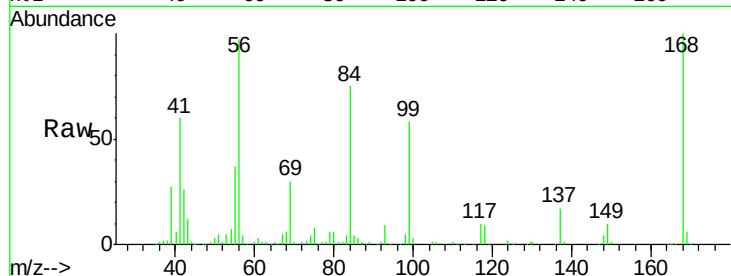
#31
Cyclohexane
Concen: 48.575 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.9	37.3
84	75.8	60.6	90.8

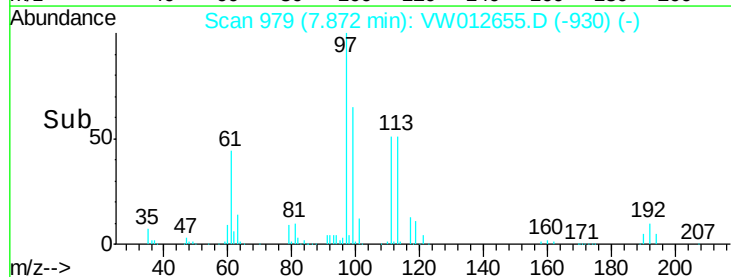
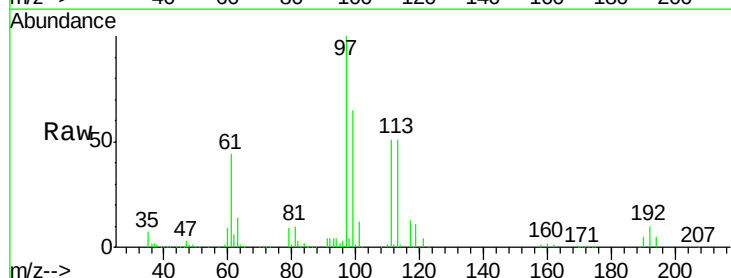
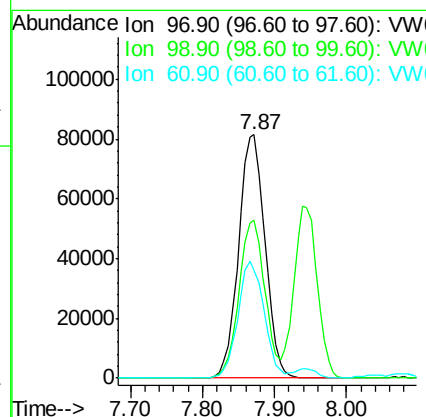
Manual Integrations
APPROVED

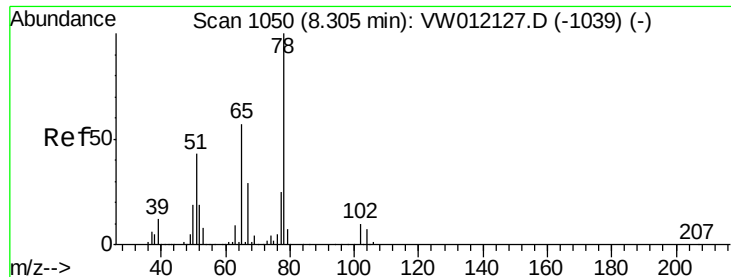
MMDadoda
9/6/2019 12:29:37 PM



#32
1,1,1-Trichloroethane
Concen: 60.567 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	47.6	39.5	59.3





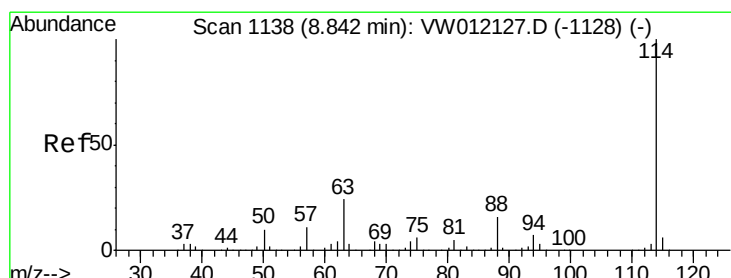
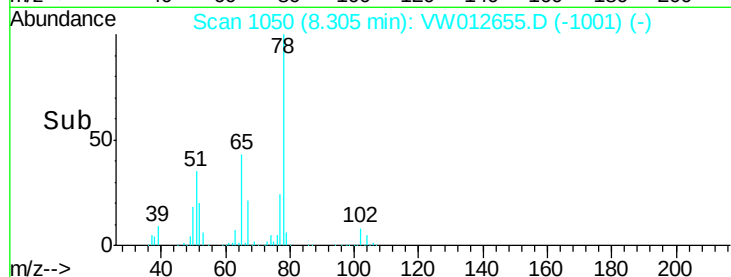
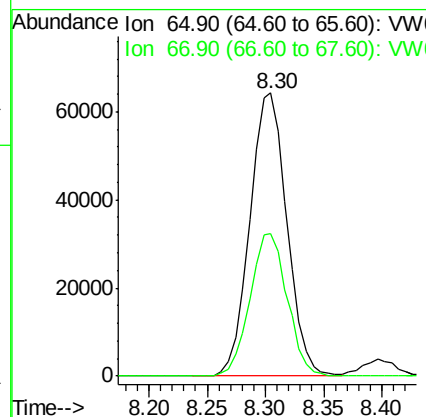
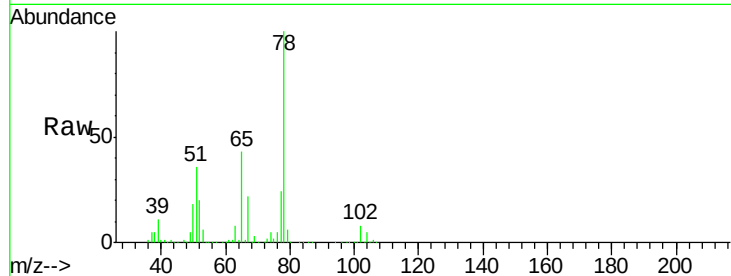
#33
 1,2-Dichloroethane-d4
 Concen: 54.943 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142605		
67	50.7	0.0	102.6	

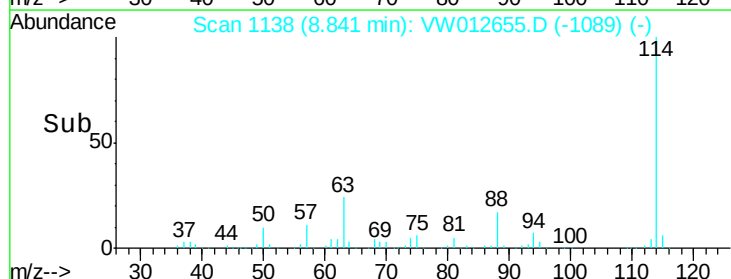
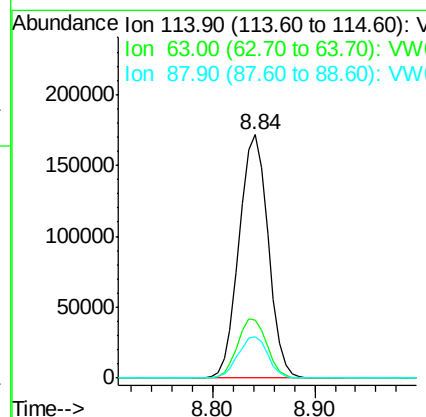
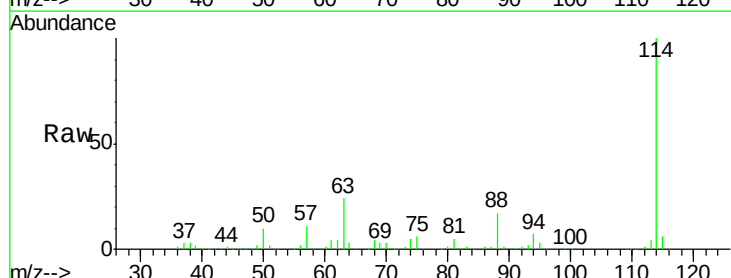
Manual Integrations
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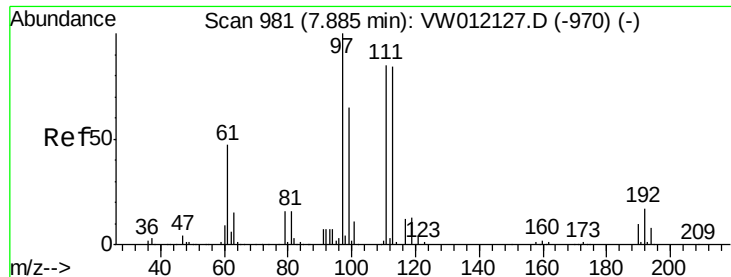
MMDadoda
 9/6/2019 12:29:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339668		
63	23.7	0.0	48.6	
88	16.9	0.0	32.2	





#35

Dibromofluoromethane

Concen: 56.841 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

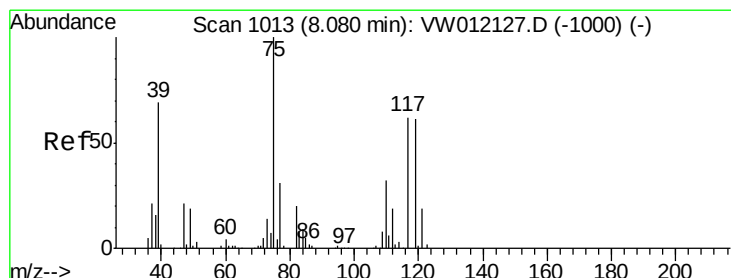
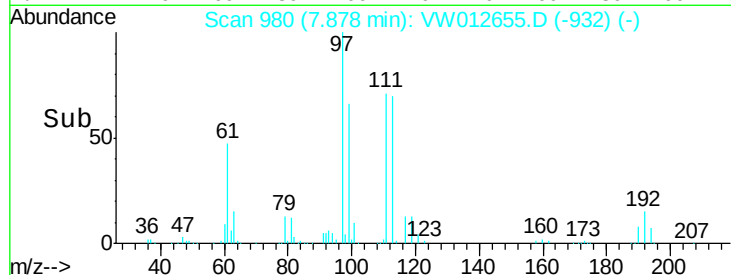
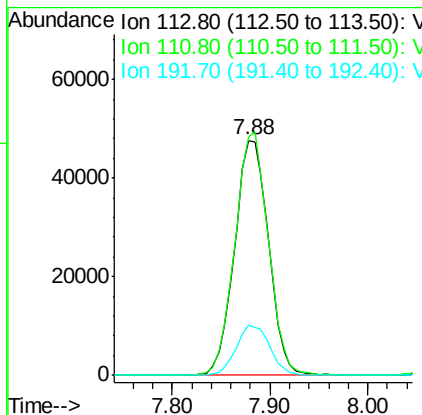
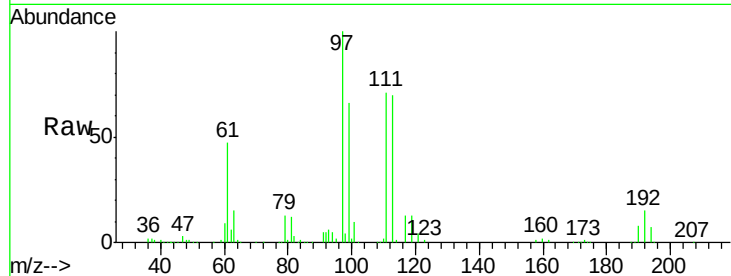
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	115245
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.7	124.1
192	21.2	16.2	24.2

Manual Integrations
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9/6/2019 12:29:37 PM



#36

1,1-Dichloropropene

Concen: 58.147 ug/l

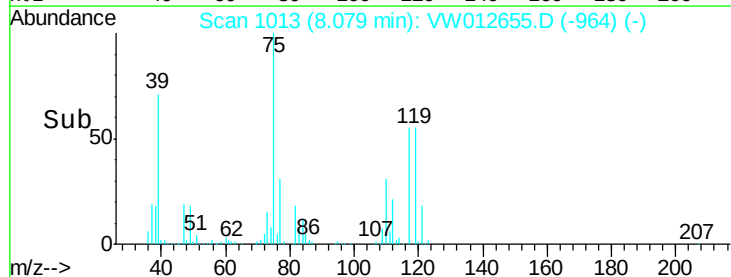
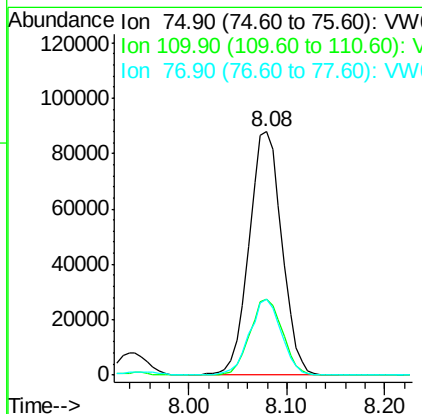
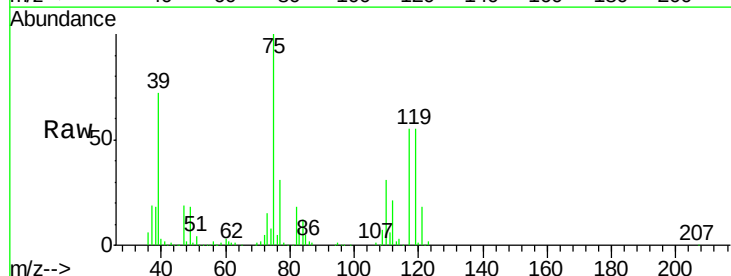
RT: 8.08 min Scan# 1013

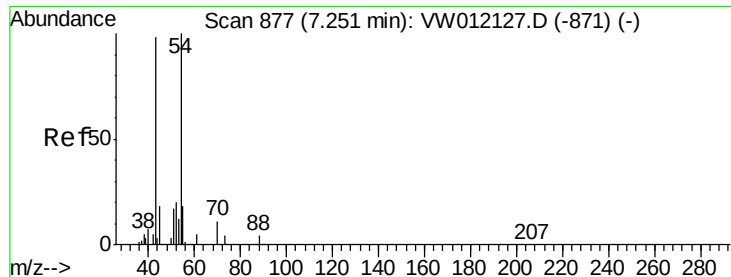
Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Tgt Ion:	75	Resp:	204102
Ion	Ratio	Lower	Upper
75	100		
110	31.0	15.6	46.8
77	30.5	24.6	36.8





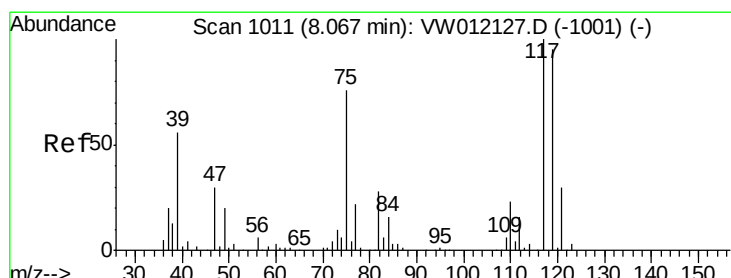
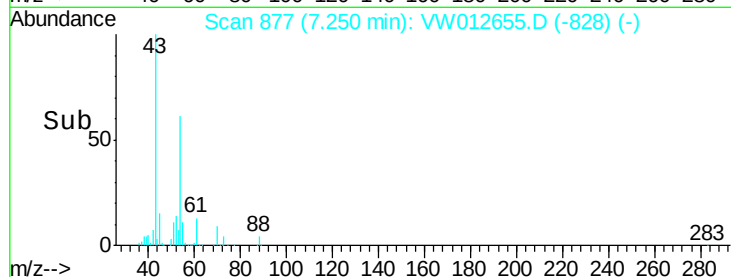
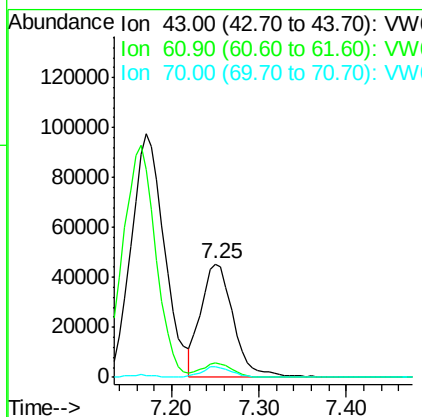
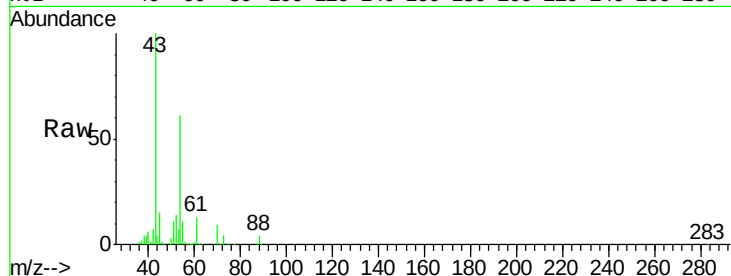
#37
Ethyl Acetate
Concen: 60.405 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	116187
Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.2	13.8
70	8.7	6.9	10.3

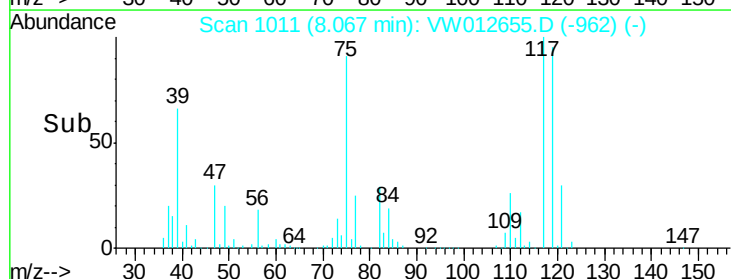
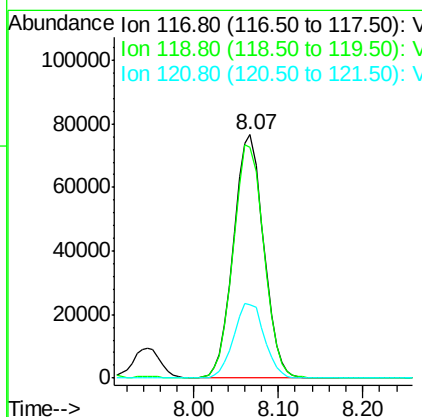
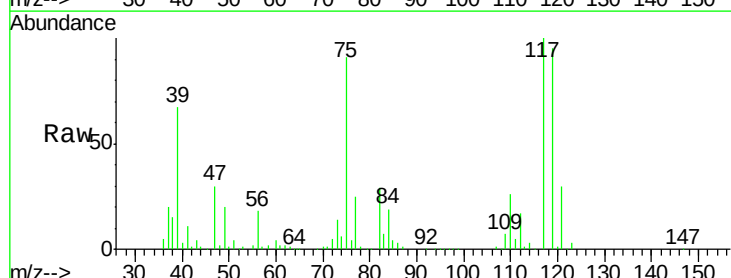
Manual Integrations
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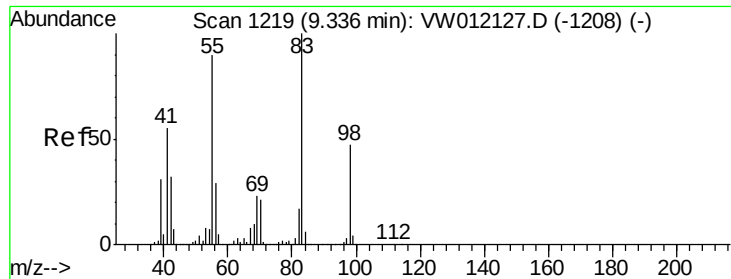
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#38
Carbon Tetrachloride
Concen: 61.115 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	117	Resp	185672
Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.2	114.2
121	30.3	23.8	35.8





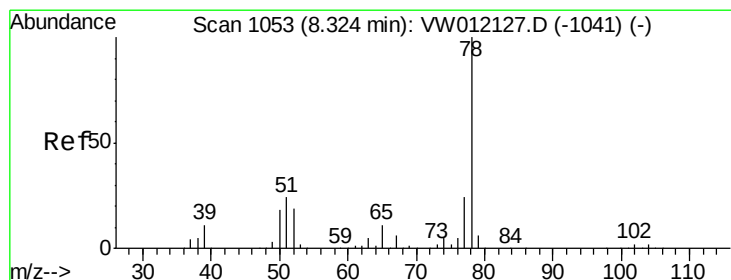
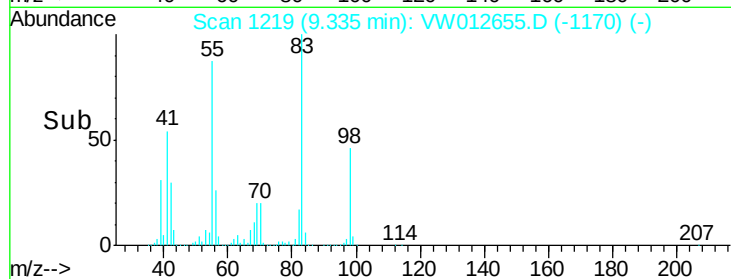
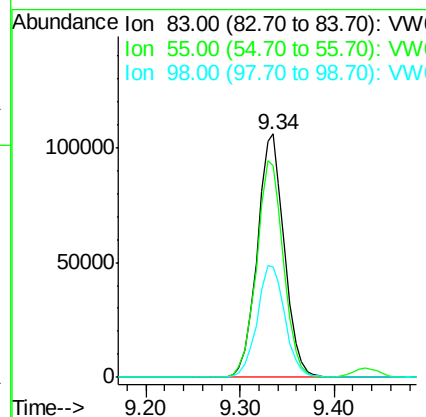
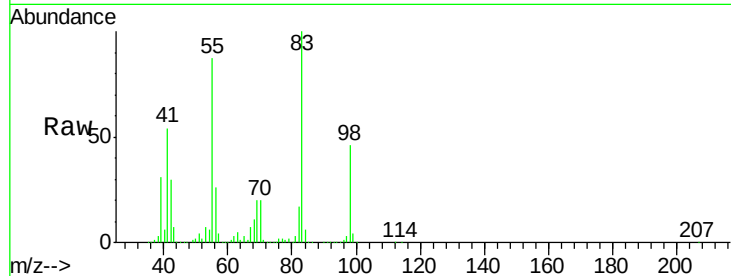
#39
Methylvlcyclohexane
Concen: 54.113 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	71.8	107.8
98	45.5	37.8	56.8

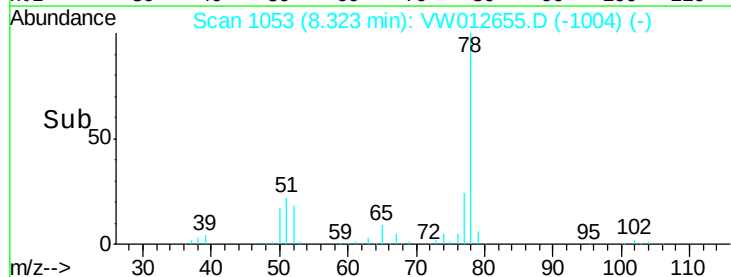
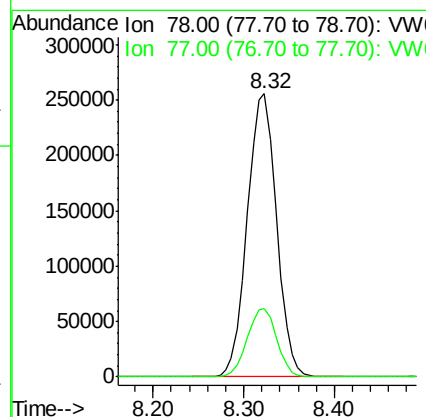
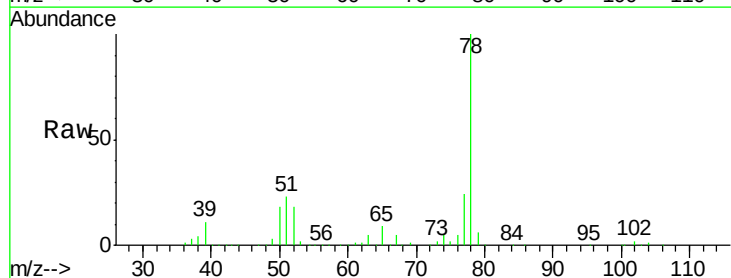
Manual Integrations
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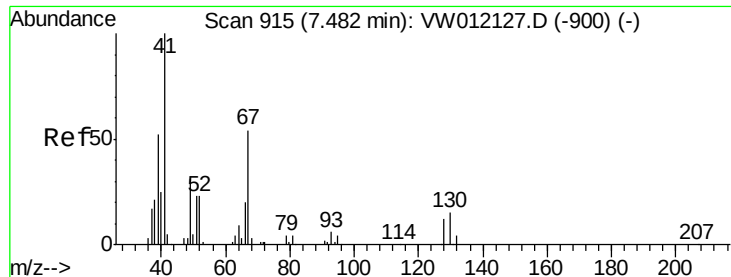
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#40
Benzene
Concen: 59.680 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3





#41

Methacrylonitrile

Concen: 64.667 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

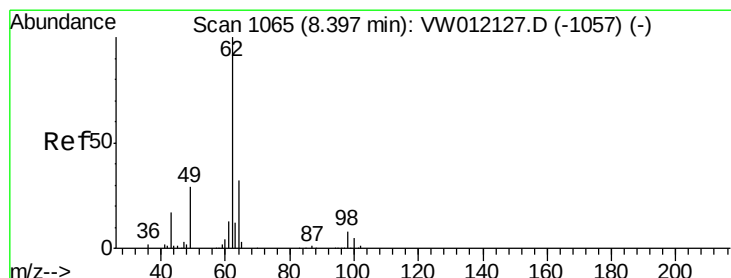
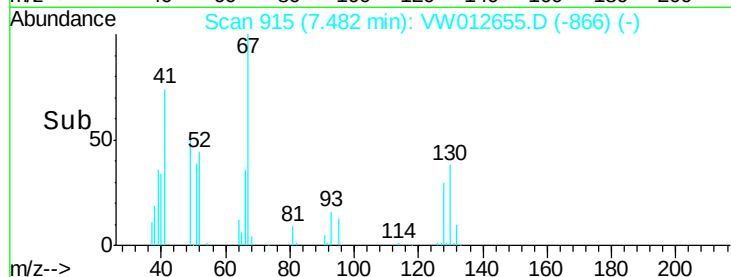
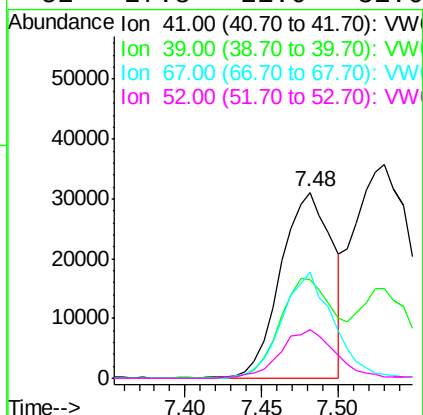
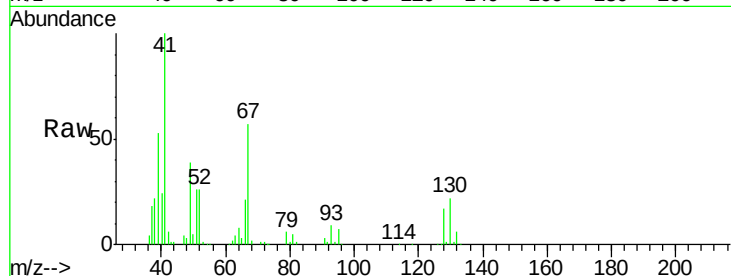
ClientSampleId :

VSTDCCC050EC

Tot Ion	41	Resp	73105
Ion	Ratio	Lower	Upper
41	100		
39	58.0	45.8	68.8
67	57.7	46.2	69.4
52	27.8	21.0	31.6

Manual Integrations
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9/6/2019 12:29:37 PM



#42

1,2-Dichloroethane

Concen: 64.347 ug/l

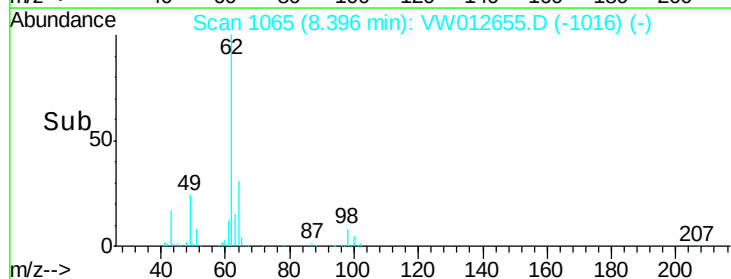
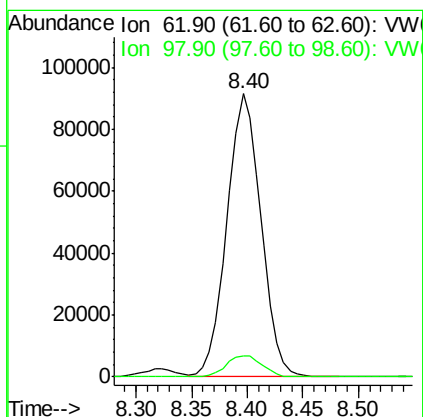
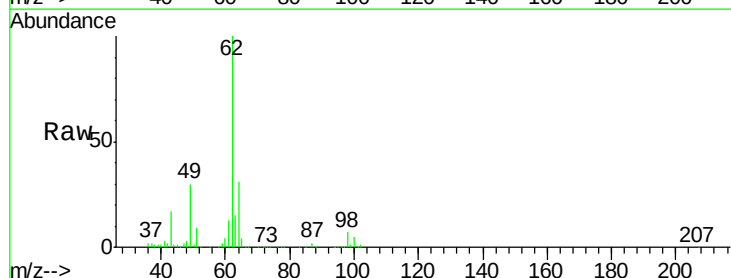
RT: 8.40 min Scan# 1065

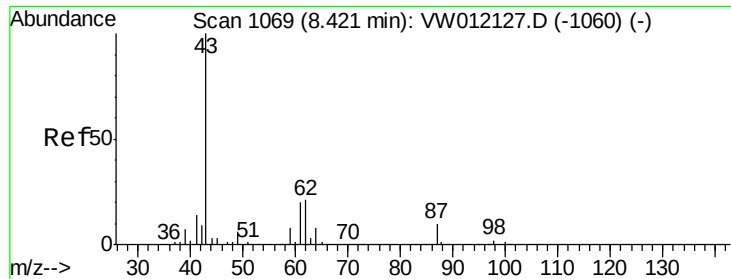
Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Tgt Ion	62	Resp	193290
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 63.499 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

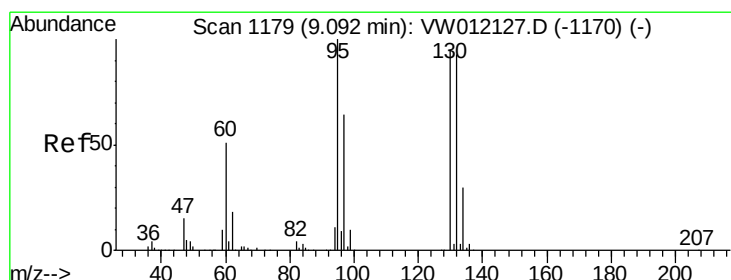
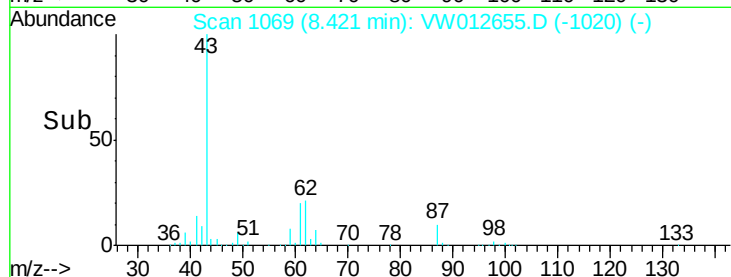
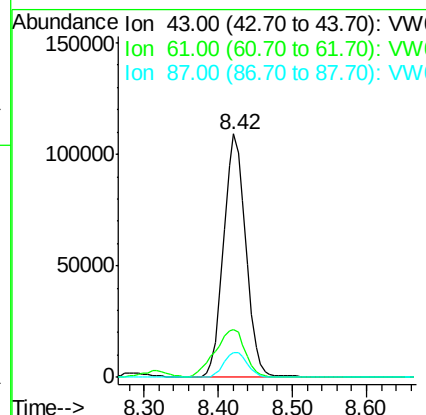
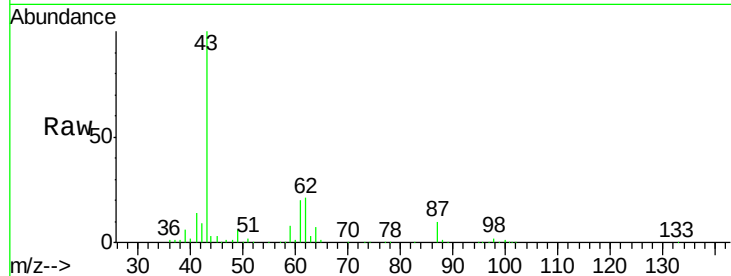
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	226239
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.1	31.7
87	10.8	8.2	12.2

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#44

Trichloroethene

Concen: 61.974 ug/l

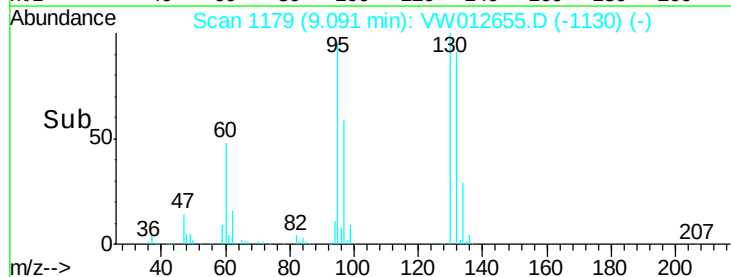
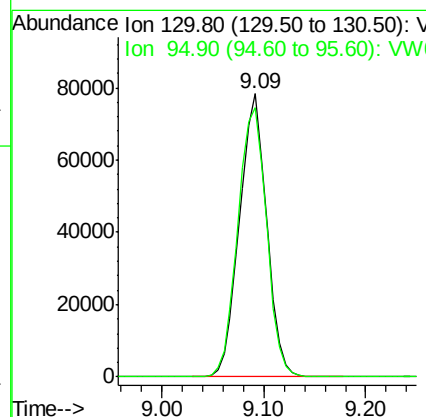
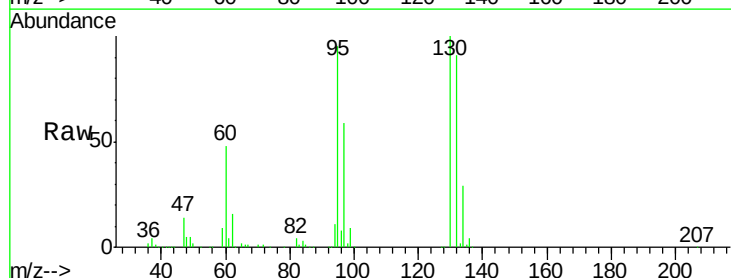
RT: 9.09 min Scan# 1179

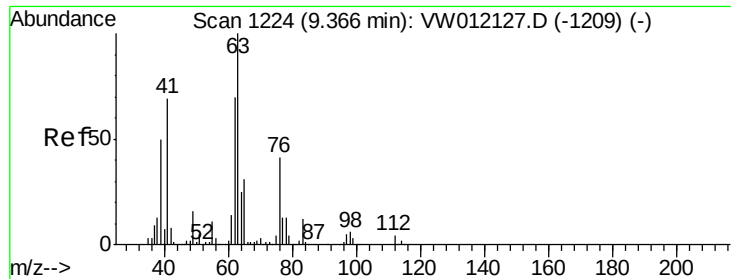
Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Tgt Ion:	130	Resp:	144397
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	210.6





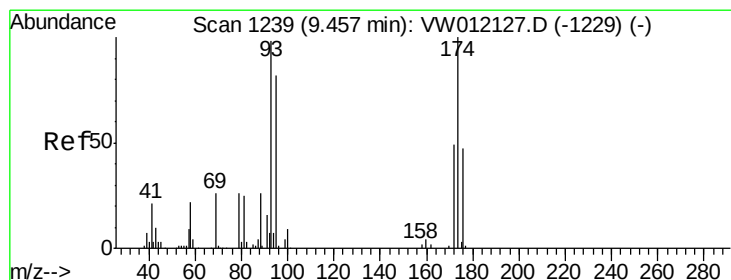
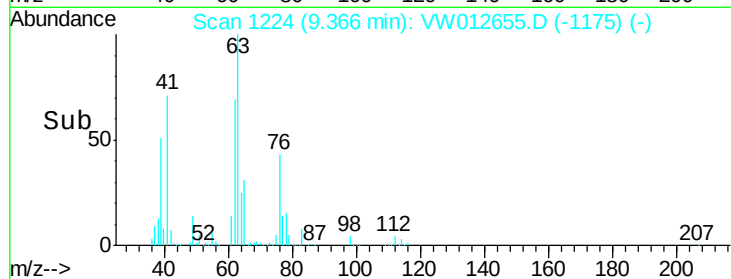
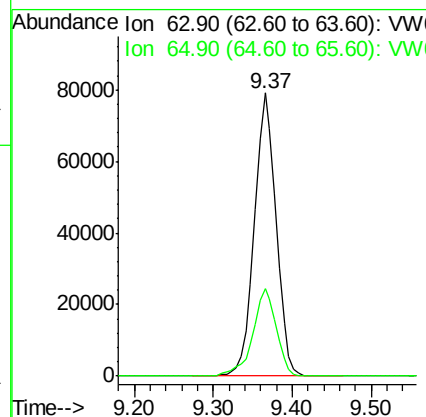
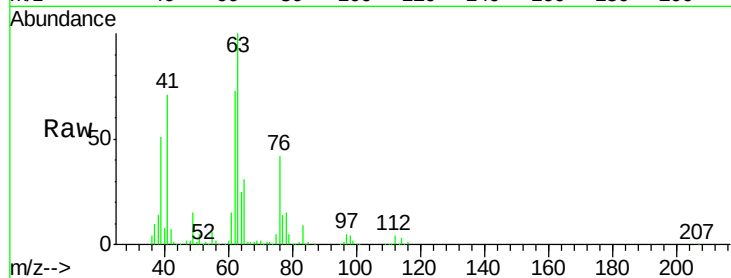
#45
 1,2-Dichloropropane
 Concen: 58.812 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.0	37.4

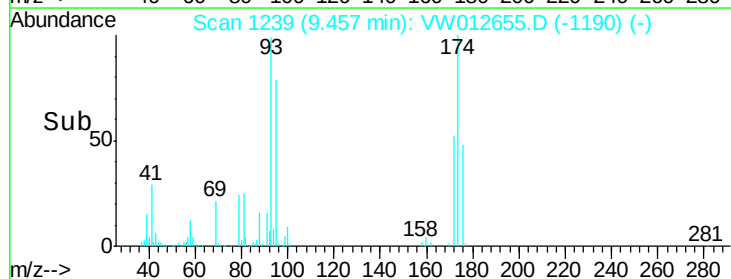
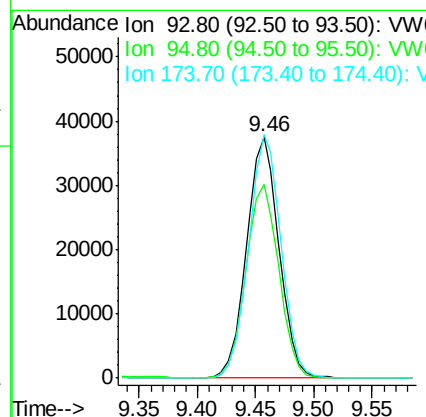
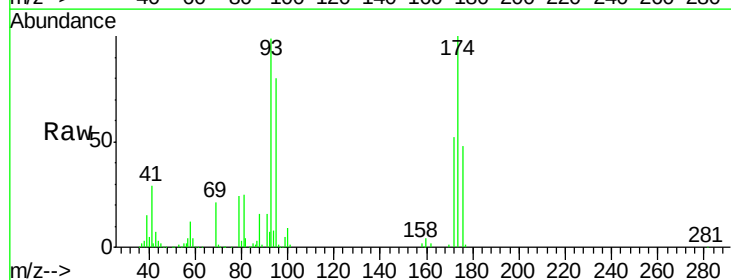
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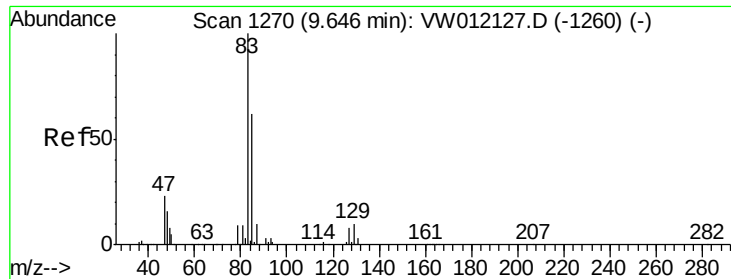
MMDadoda
 9/6/2019 12:29:37 PM



#46
 Dibromomethane
 Concen: 63.439 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	67.2	100.8
174	101.2	79.0	118.6





#47

Bromodichloromethane

Concen: 64.080 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

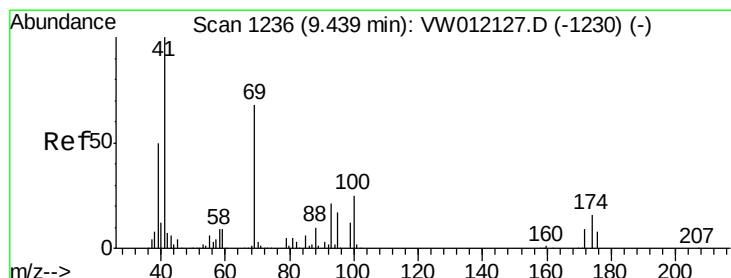
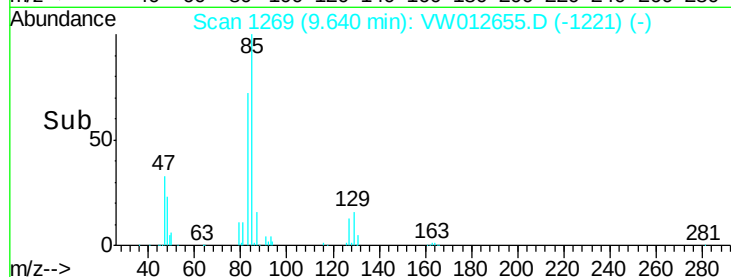
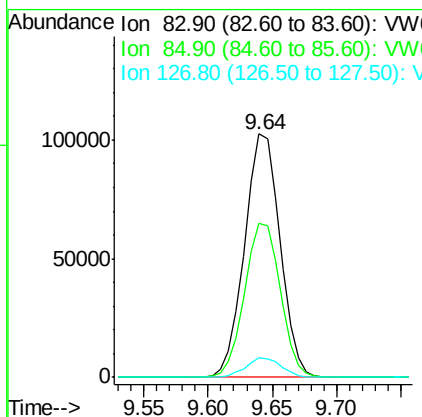
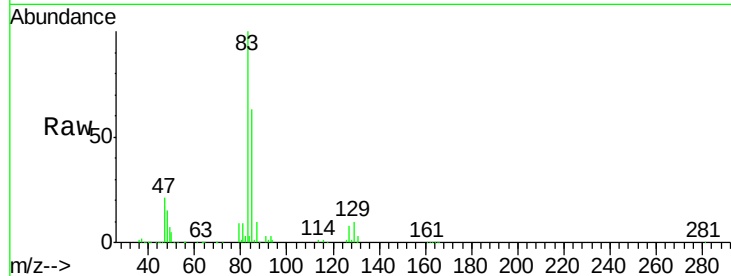
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	195732
Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.4	74.2
127	8.1	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 64.566 ug/l

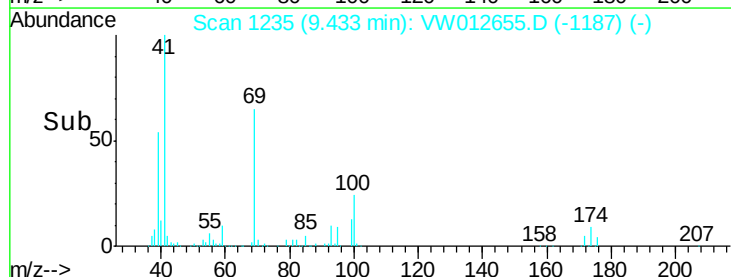
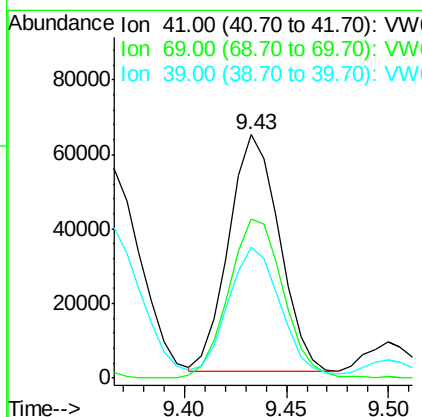
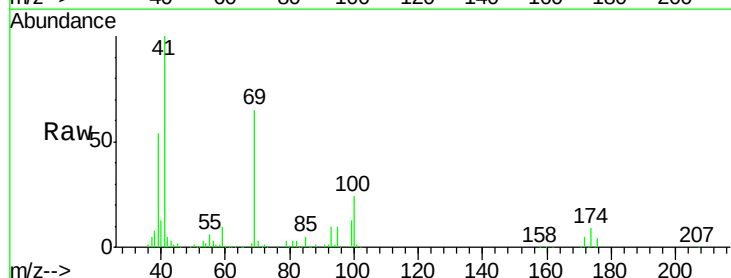
RT: 9.43 min Scan# 1235

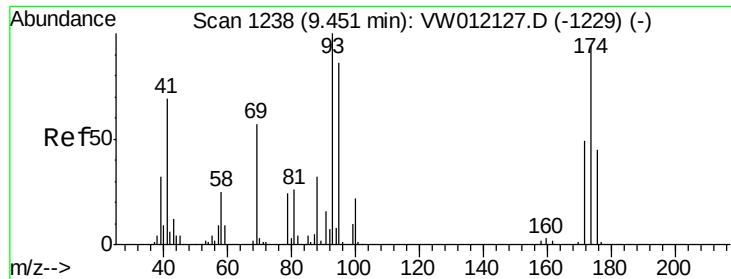
Delta R.T. -0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Tgt Ion:	41	Resp:	109487
Ion	Ratio	Lower	Upper
41	100		
69	73.3	56.7	85.1
39	57.9	42.0	63.0





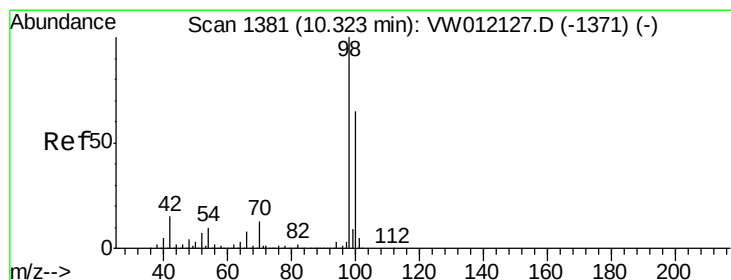
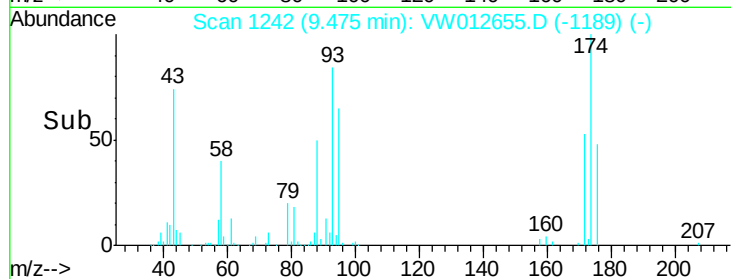
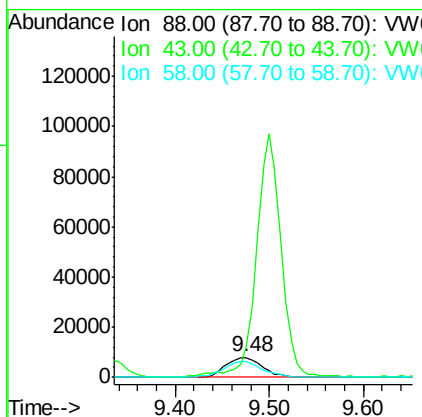
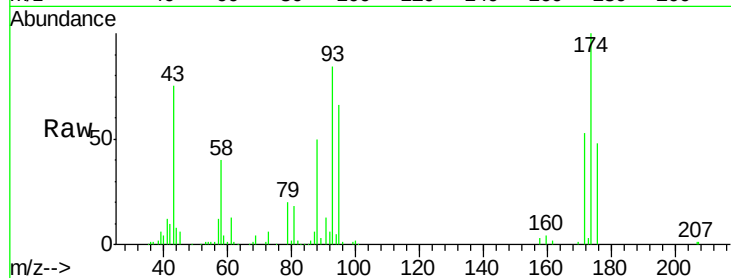
#49
1,4-Dioxane
Concen: 1237.978 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.02 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	21751
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	85.9	71.0	106.4

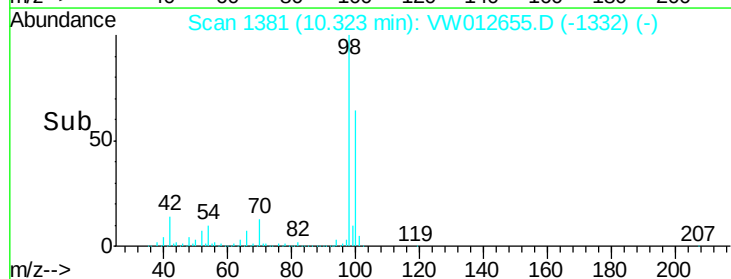
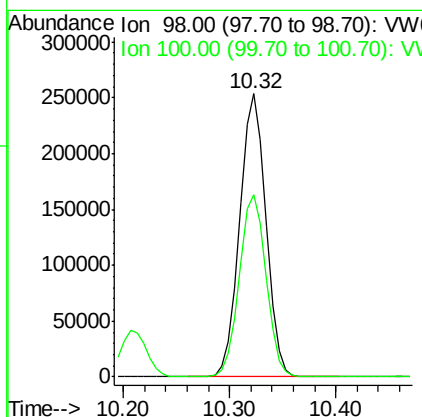
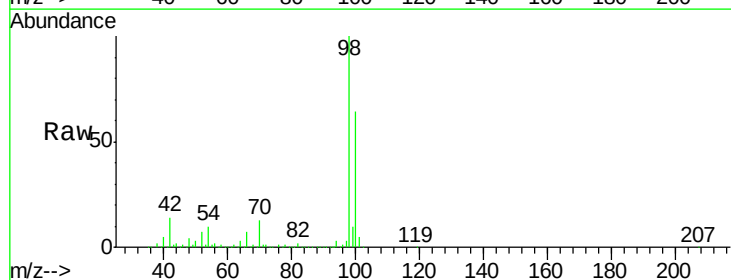
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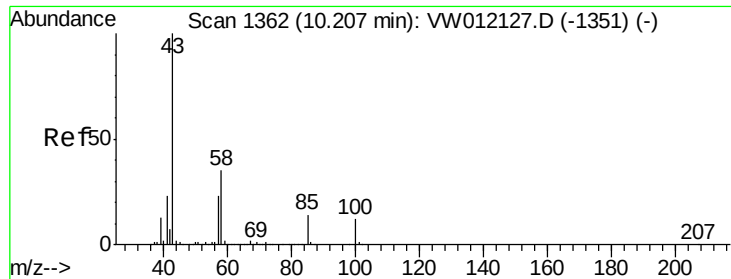
MMDadoda
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#50
Toluene-d8
Concen: 53.549 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	98	Resp	440221
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.4	78.6





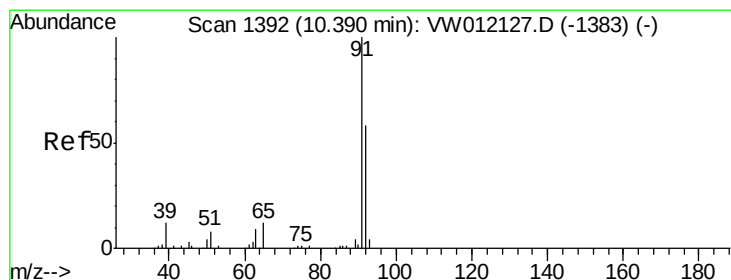
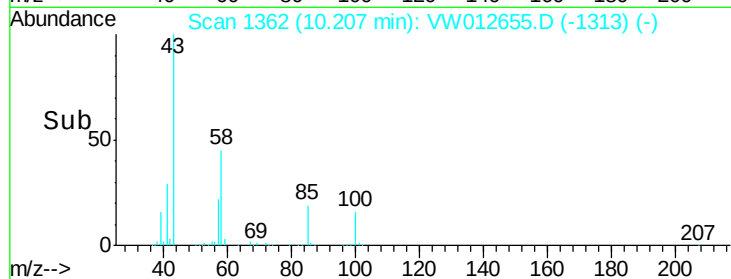
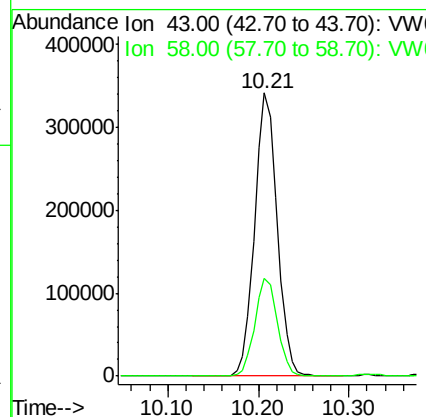
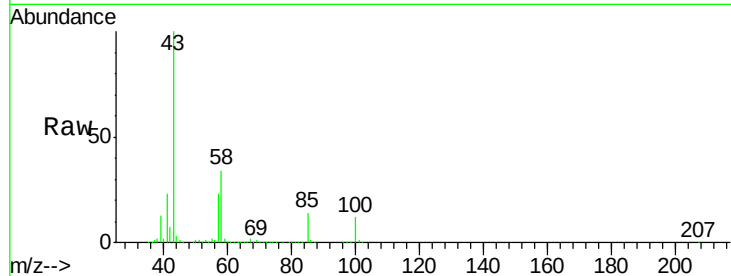
#51
4-Methyl-2-Pentanone
Concen: 323.985 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.2	42.2

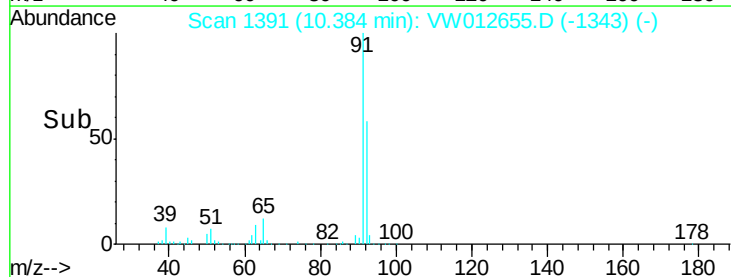
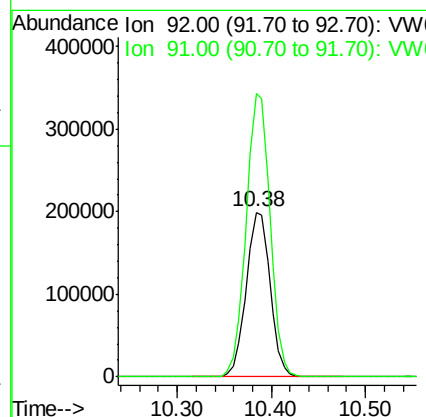
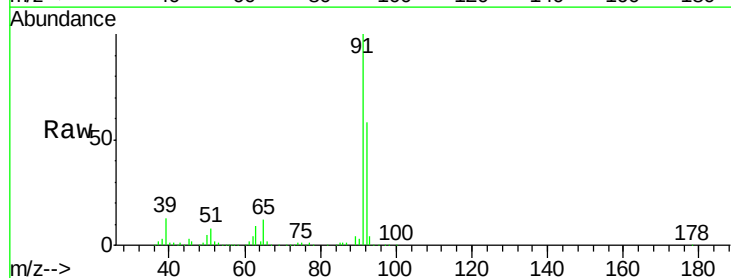
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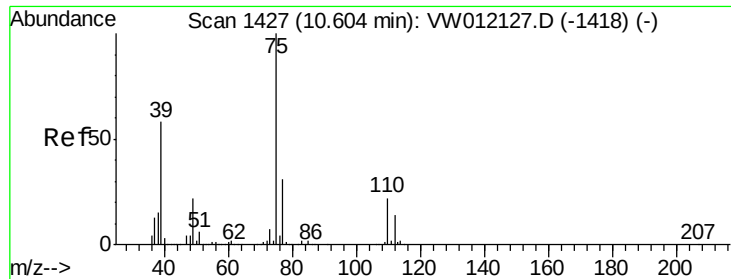
MMDadoda
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#52
Toluene
Concen: 61.351 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.6	204.8





#53

t-1,3-Dichloropropene

Concen: 64.362 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 200254

Ion Ratio Lower Upper

75 100

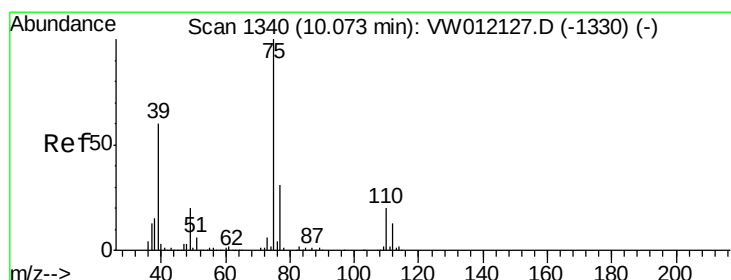
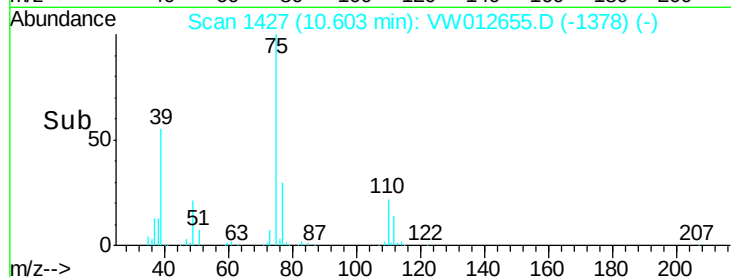
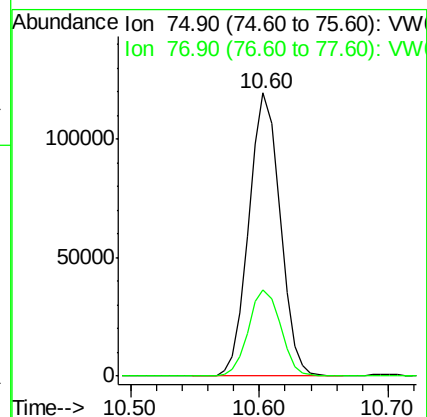
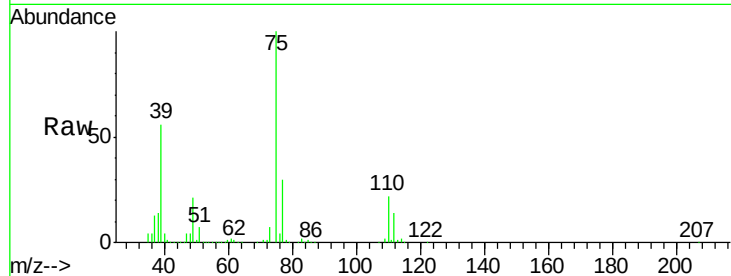
77 30.3 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 62.157 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

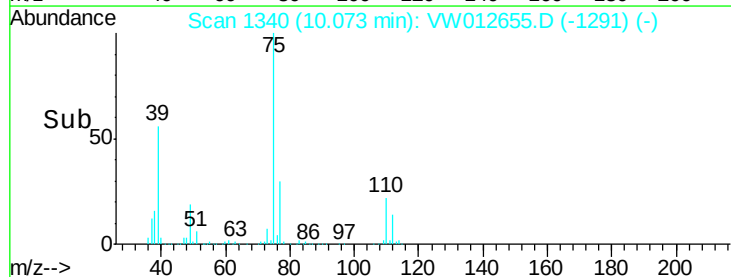
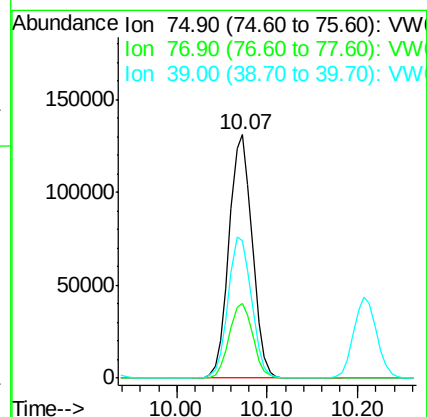
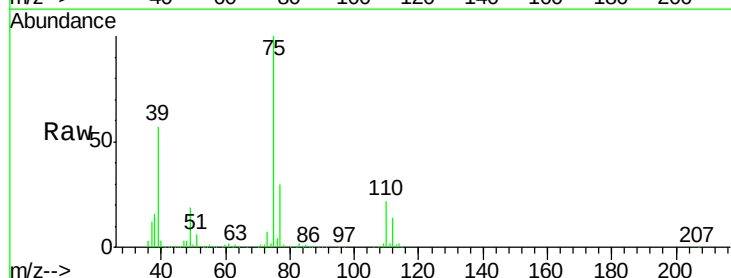
Tgt Ion: 75 Resp: 233512

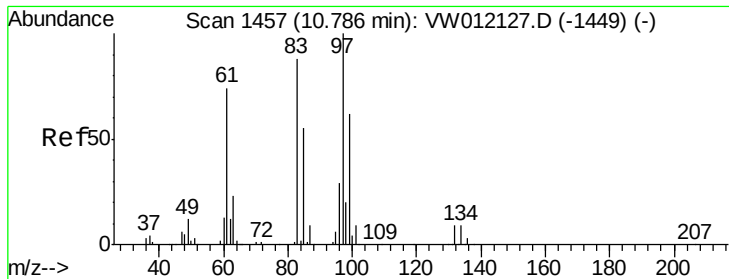
Ion Ratio Lower Upper

75 100

77 30.5 25.1 37.7

39 56.5 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 63.980 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 103893

Ion Ratio Lower Upper

97 100

83 85.3 70.8 106.2

85 54.9 43.8 65.8

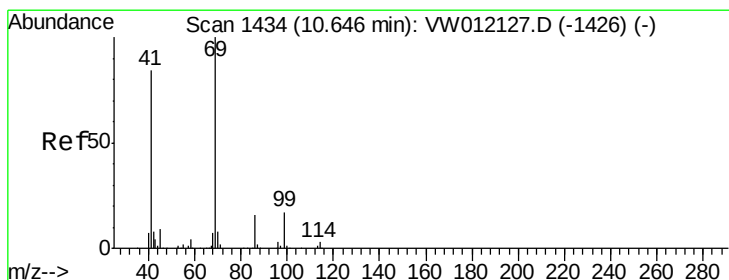
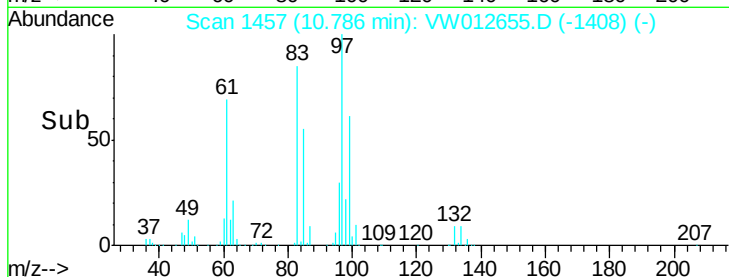
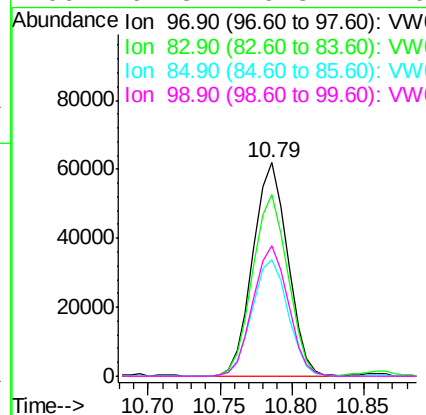
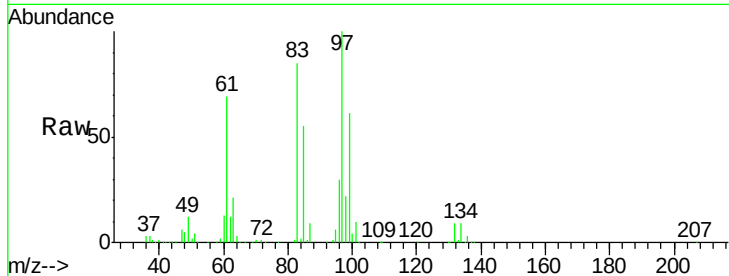
99 61.3 49.8 74.6

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#56

Ethyl methacrylate

Concen: 65.992 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

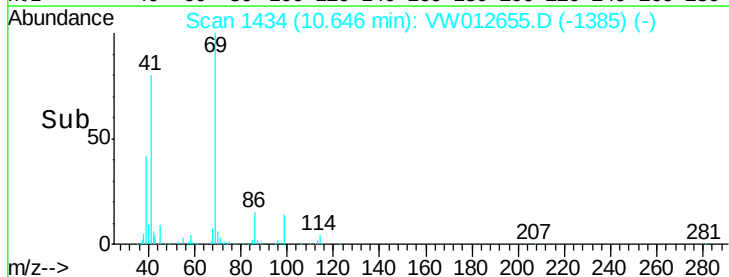
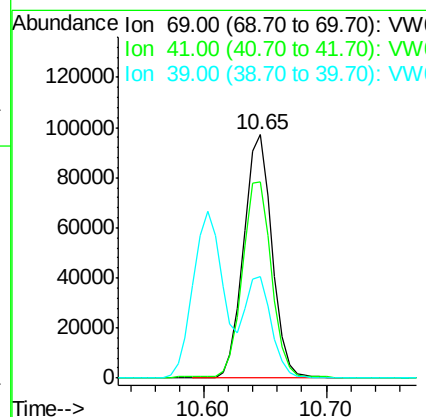
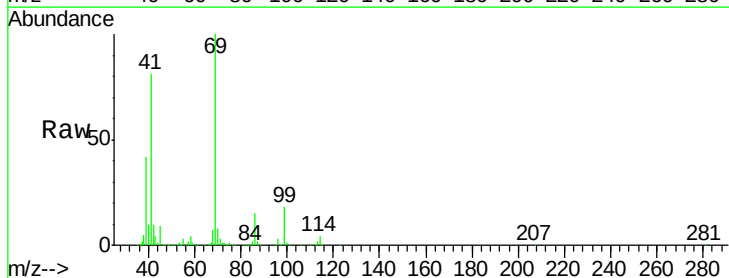
Tgt Ion: 69 Resp: 155962

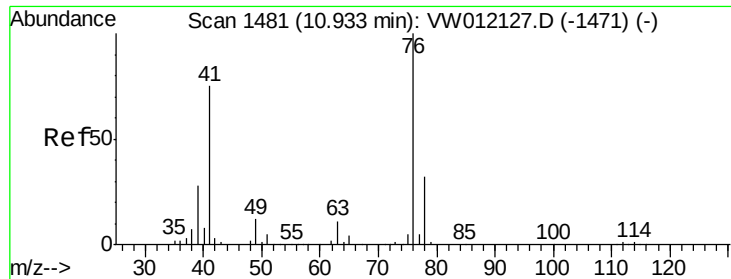
Ion Ratio Lower Upper

69 100

41 83.2 66.5 99.7

39 37.8 31.0 46.4





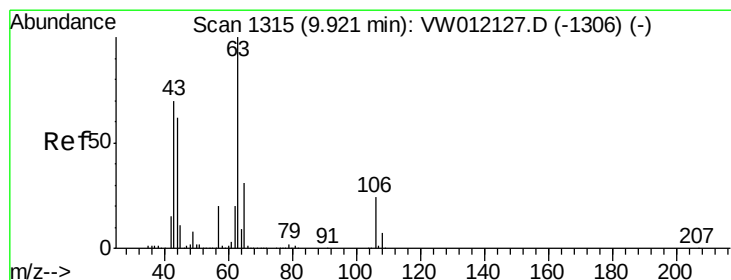
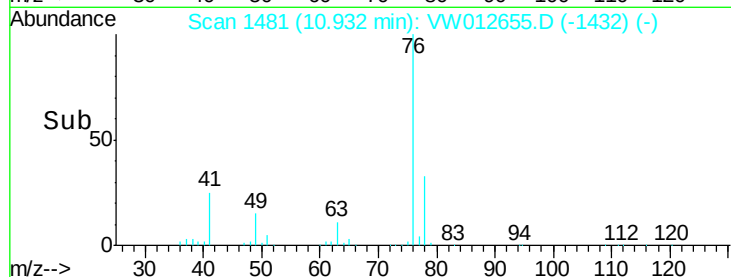
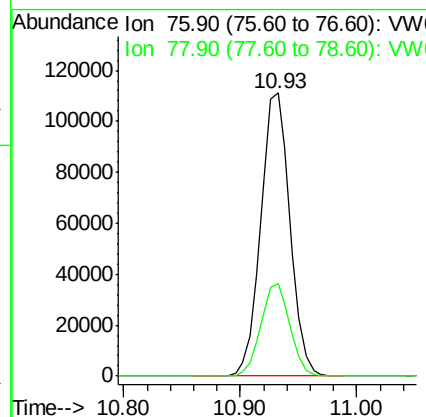
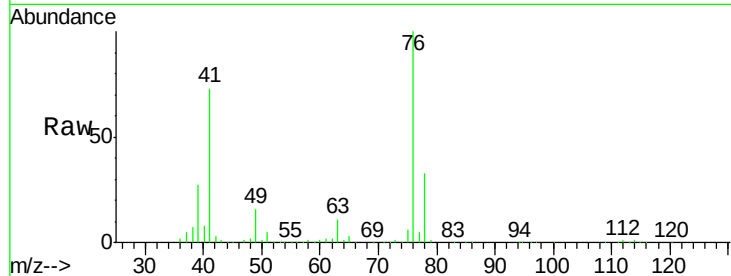
#57
 1,3-Dichloropropane
 Concen: 63.387 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

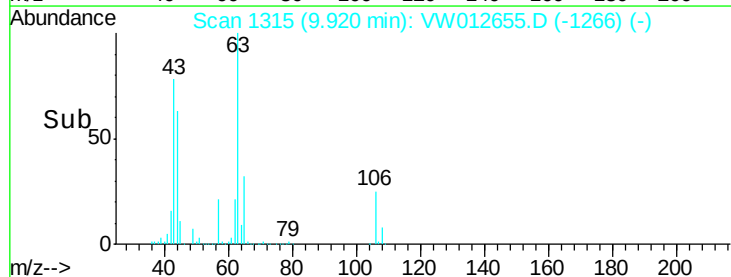
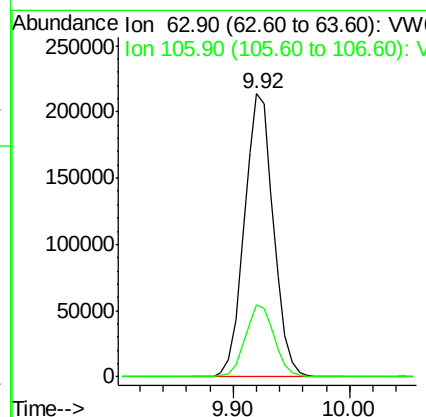
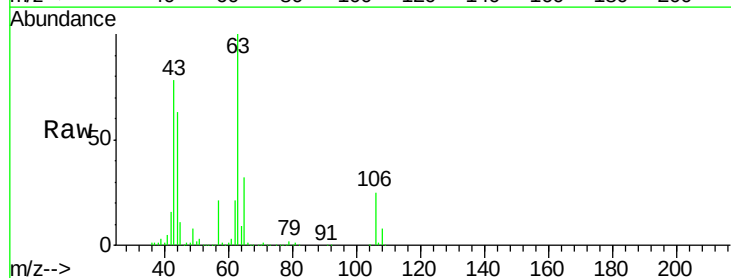
Manual Integrations
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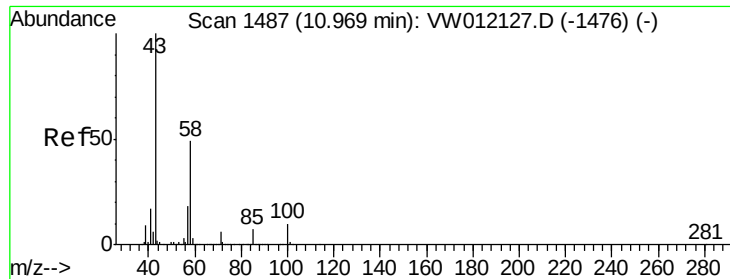
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#58
 2-Chloroethyl Vinyl ether
 Concen: 306.030 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	19.8	29.8





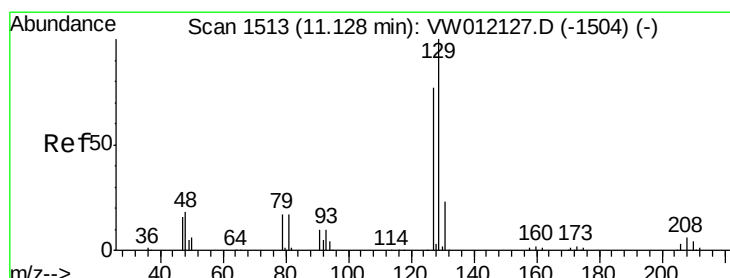
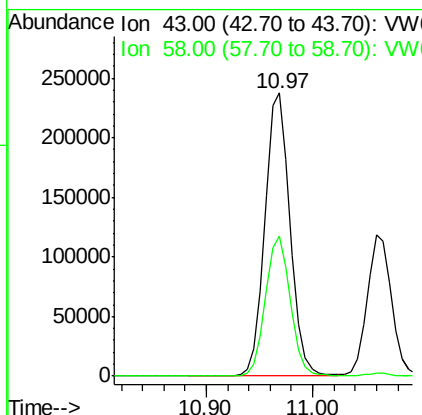
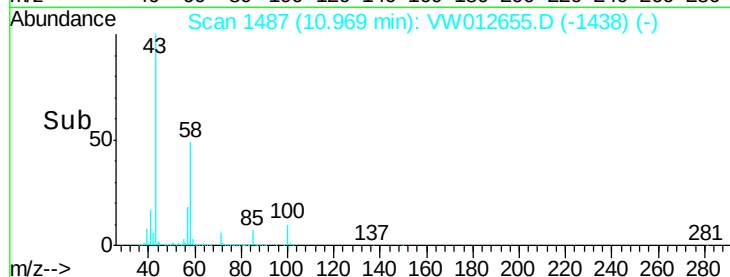
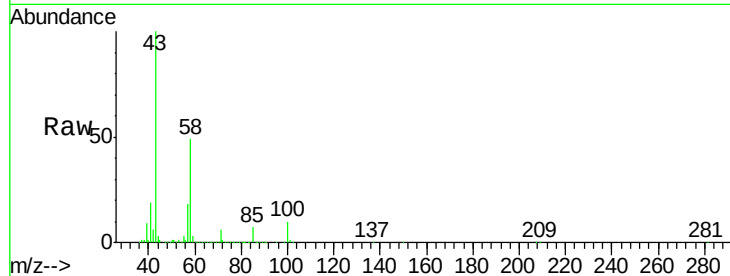
#59
2-Hexanone
Concen: 306.212 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.3	72.9

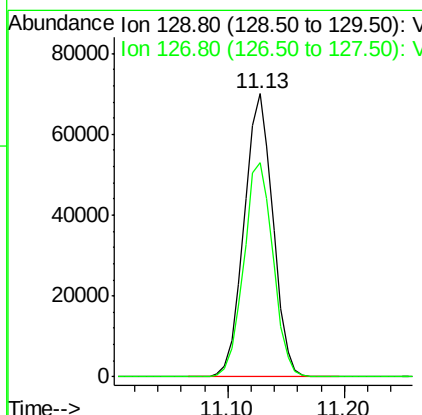
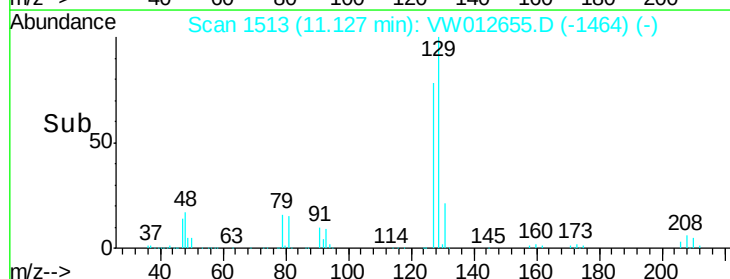
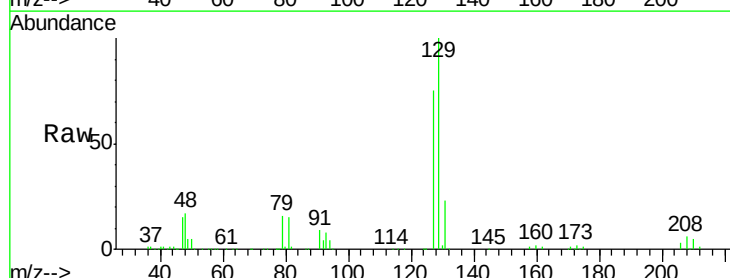
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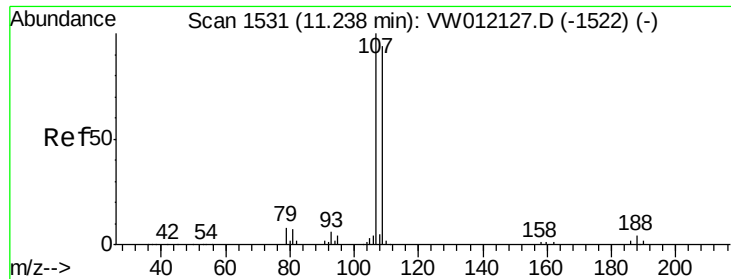
MMDadoda
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#60
Dibromochloromethane
Concen: 66.823 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.8





#61

1,2-Dibromoethane

Concen: 65.167 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 98584

Ion Ratio Lower Upper

107 100

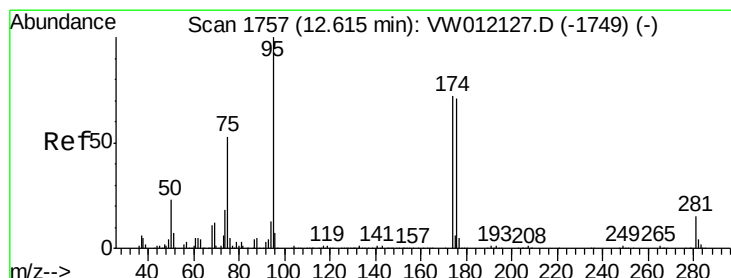
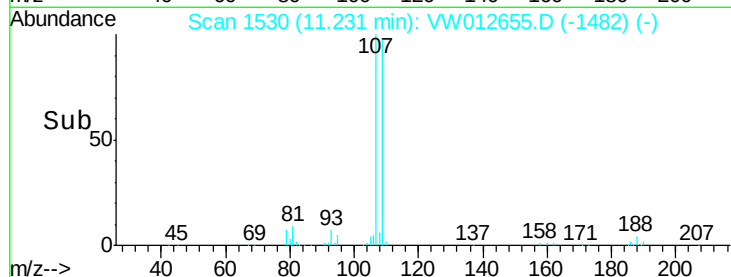
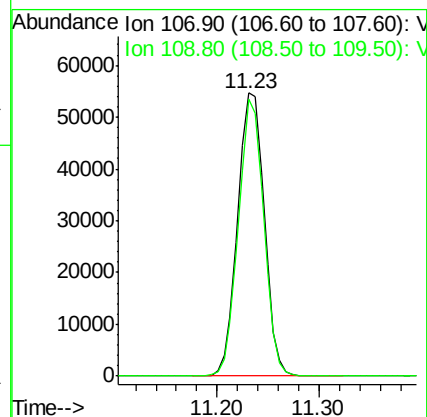
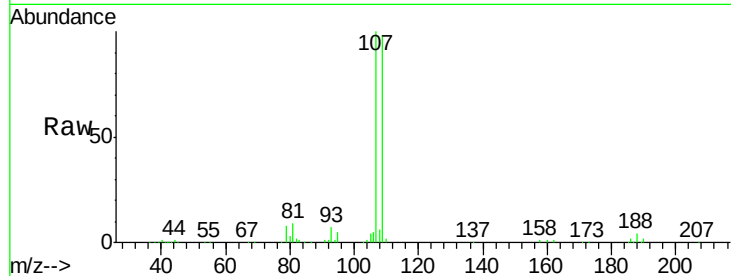
109 93.3 75.4 113.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.355 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

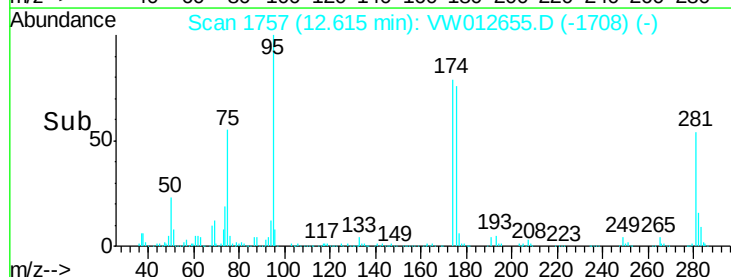
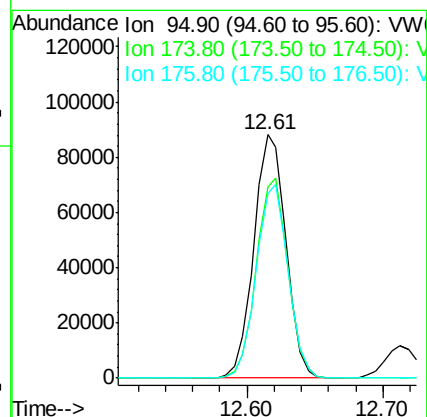
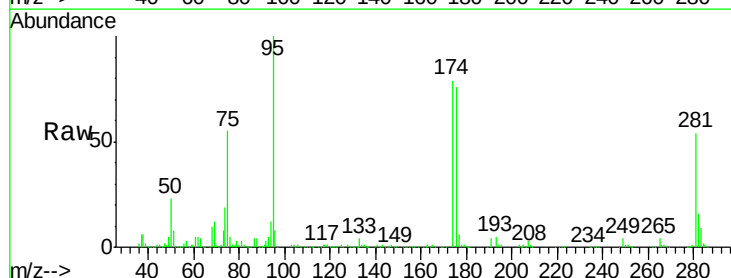
Tgt Ion: 95 Resp: 145922

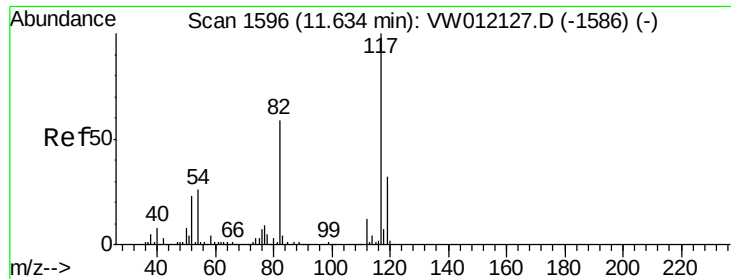
Ion Ratio Lower Upper

95 100

174 81.0 0.0 150.8

176 79.1 0.0 148.6





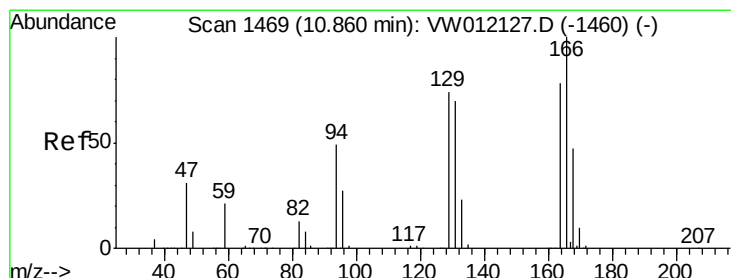
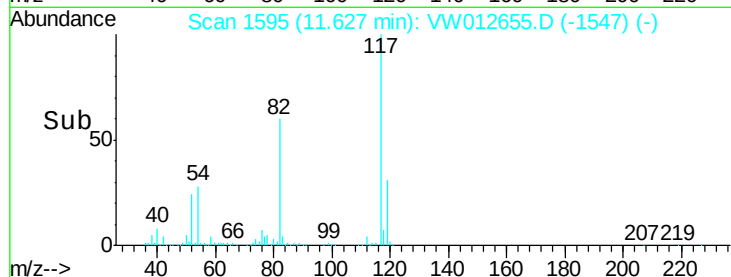
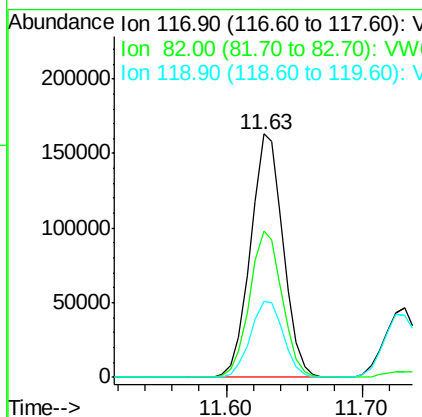
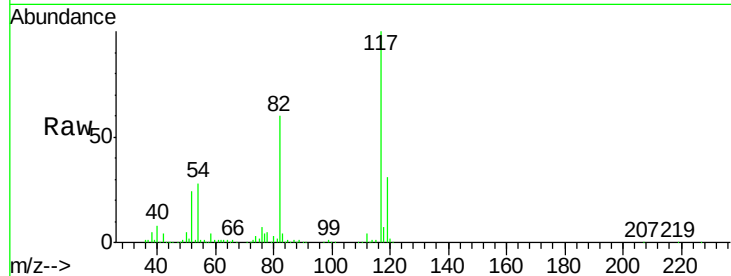
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	273612		
82	60.2	47.4	71.2	
119	31.4	25.4	38.2	

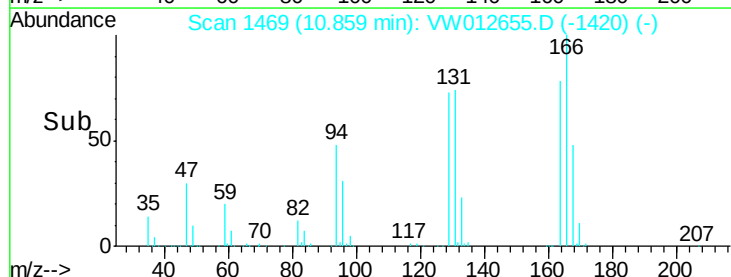
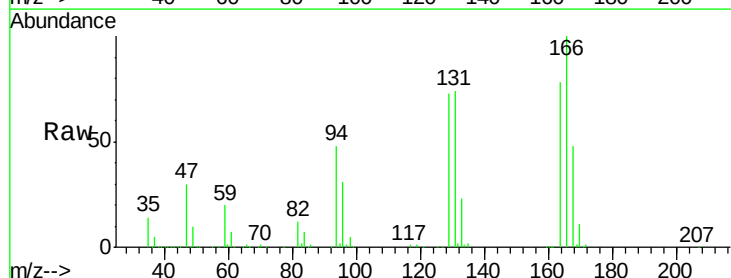
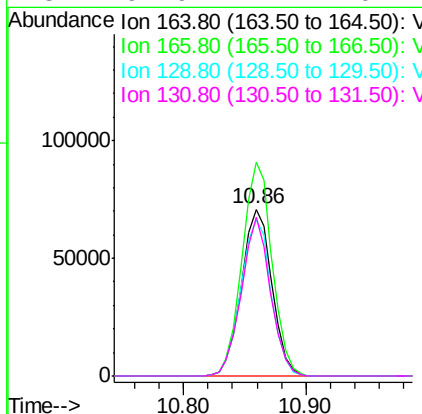
Manual Integrations
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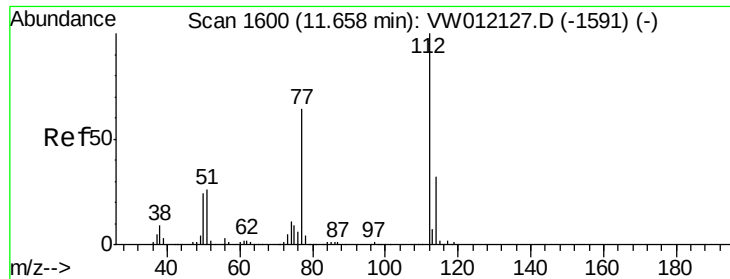
MMDadoda
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#64
Tetrachloroethene
Concen: 68.947 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	122306		
166	128.1	102.4	153.6	
129	93.6	75.8	113.6	
131	94.9	71.4	107.2	





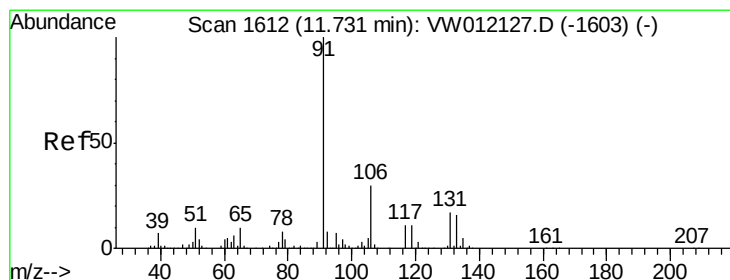
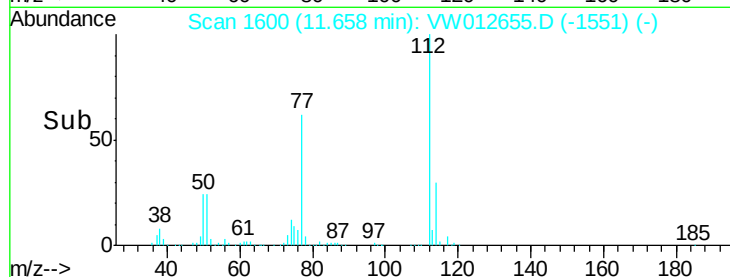
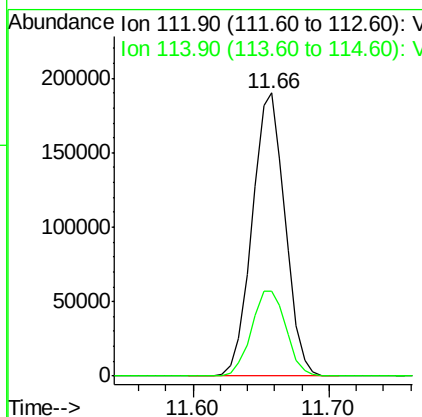
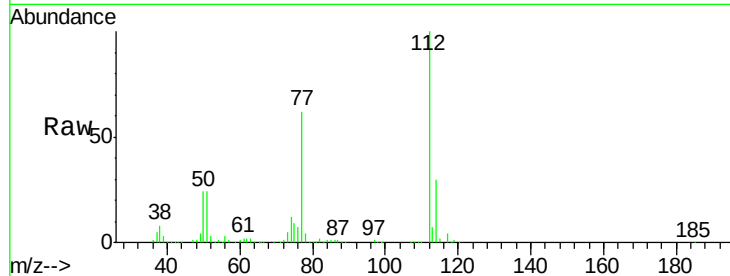
#65
Chlorobenzene
Concen: 59.878 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.2	25.8	38.6

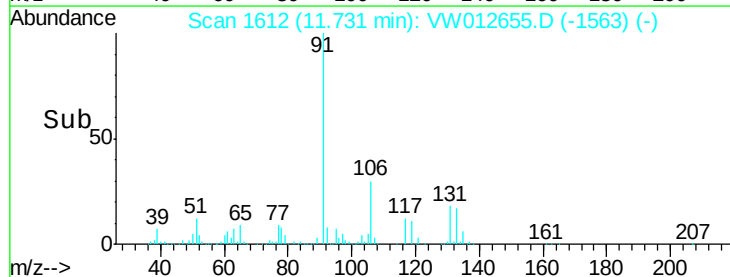
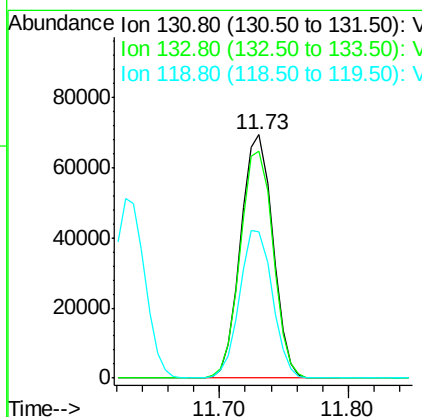
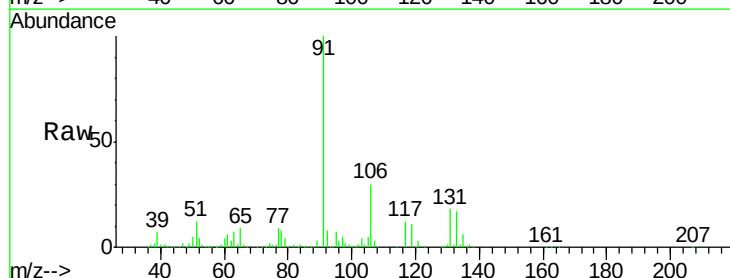
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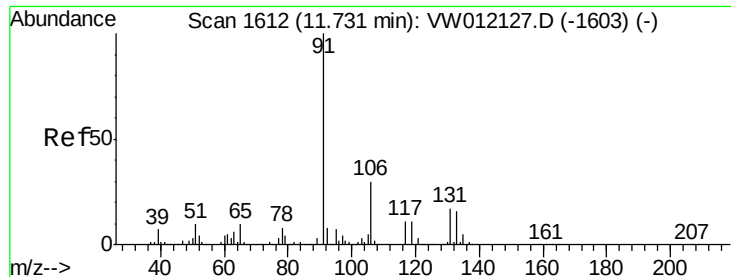
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 63.940 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.1	141.3
119	61.9	31.8	95.3





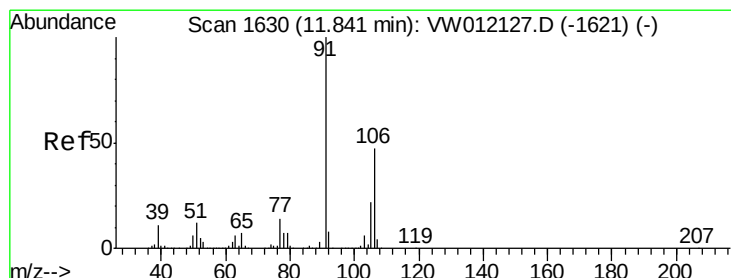
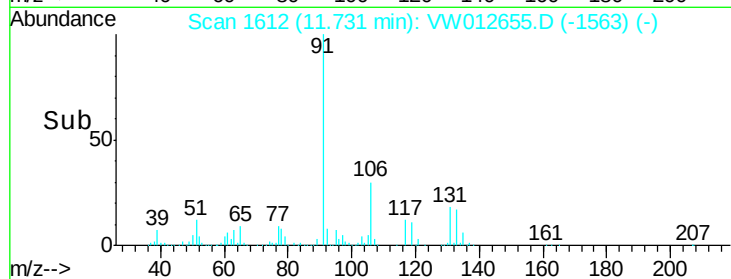
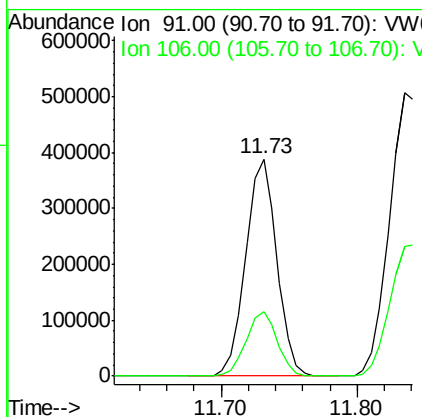
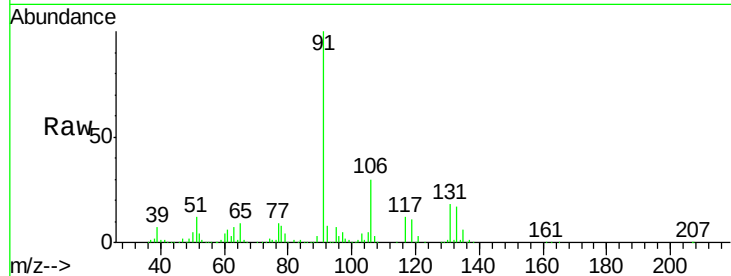
#67
Ethyl Benzene
Concen: 59.940 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.7	24.3	36.5	

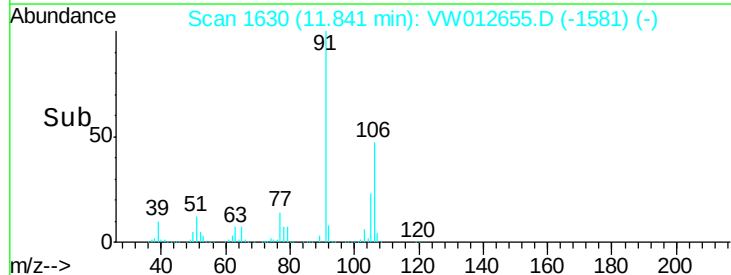
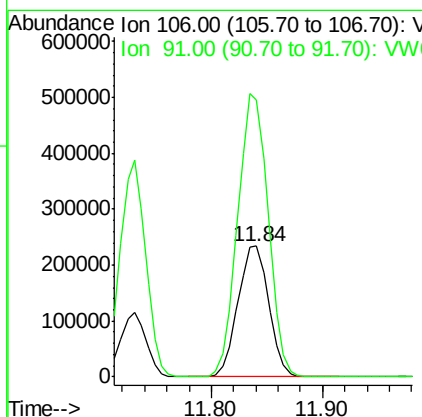
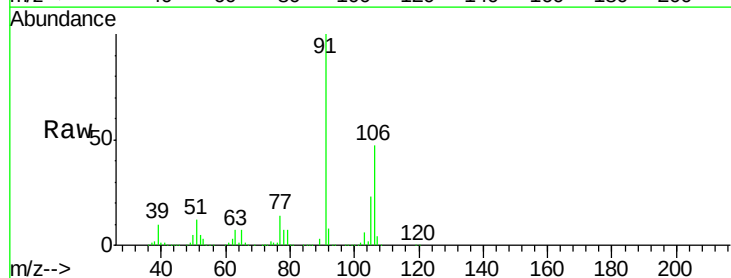
Manual Integrations
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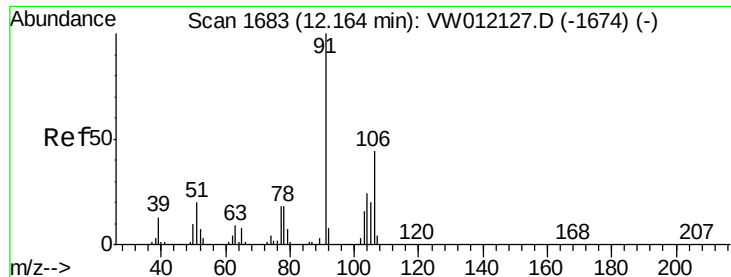
MMDadoda
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#68
m/p-Xylenes
Concen: 120.504 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.6	169.5	254.3	





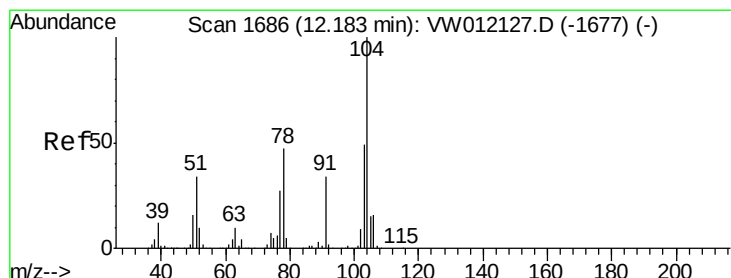
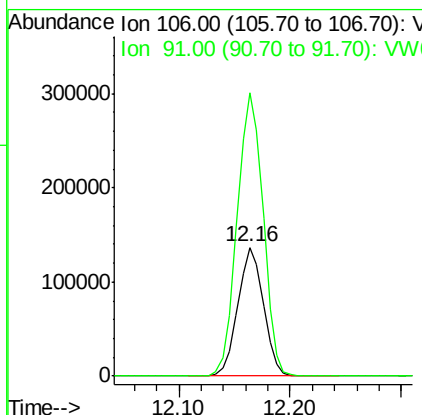
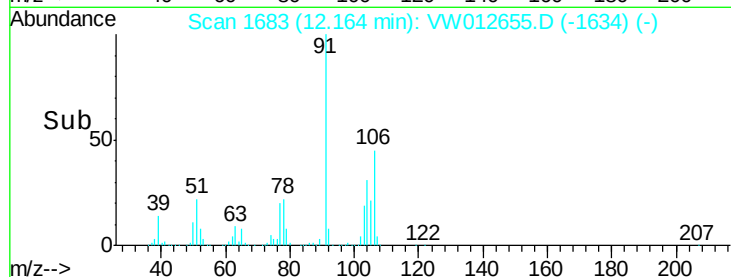
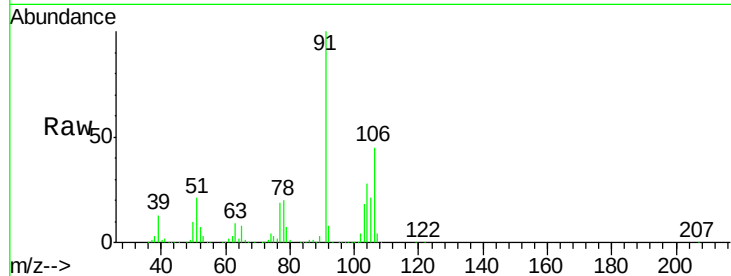
#69
o-Xylene
Concen: 62.699 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.0	111.6	334.6

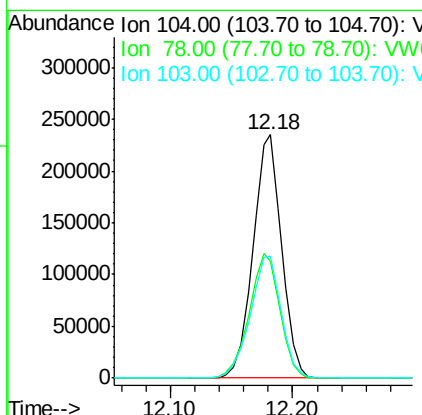
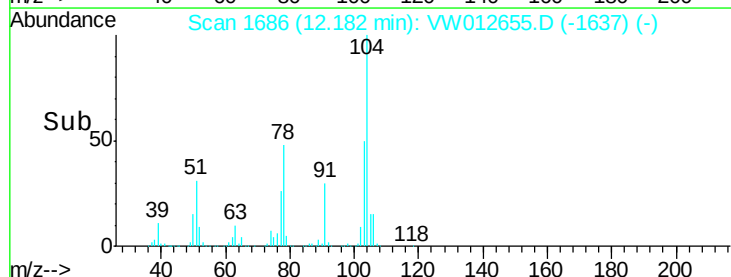
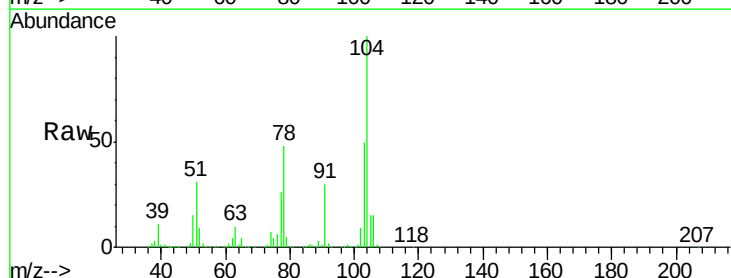
Manual Integrations
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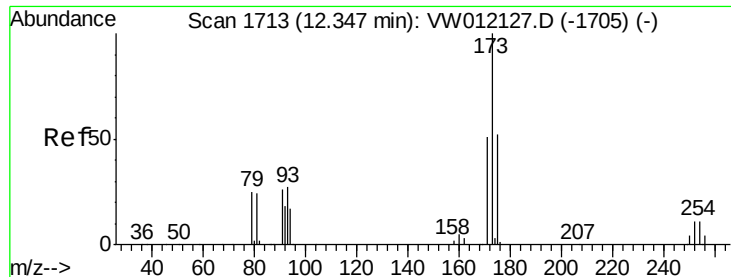
MMDadoda
9/6/2019 12:29:37 PM



#70
Styrene
Concen: 63.698 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.1	43.1	64.7
103	54.5	43.5	65.3





#71

Bromoform

Concen: 71.444 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

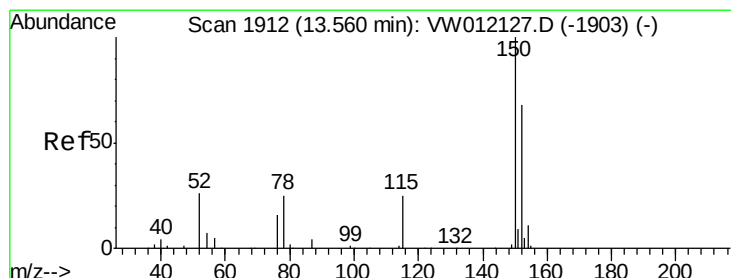
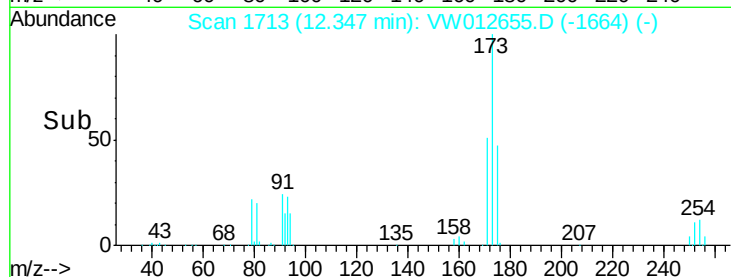
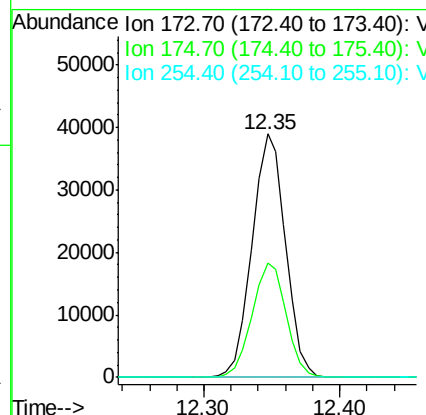
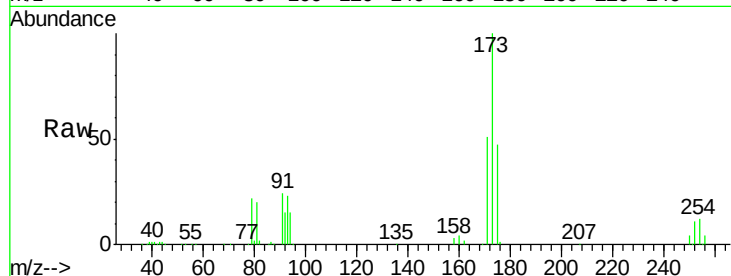
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	66903
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.6	74.0
254	0.1	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

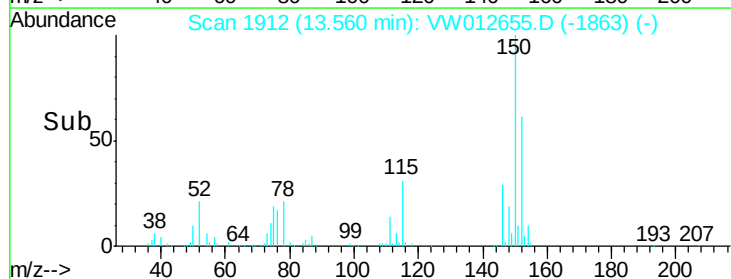
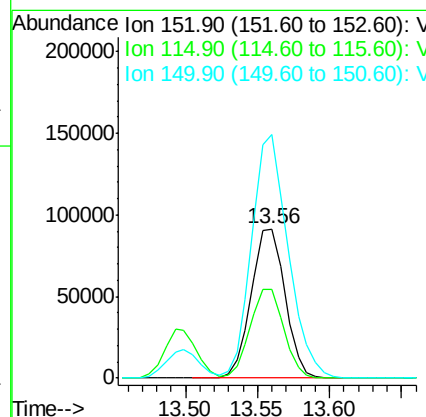
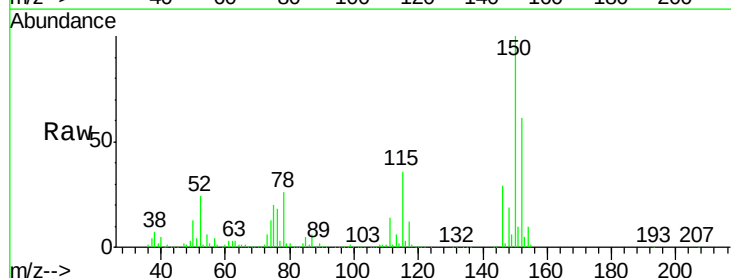
RT: 13.56 min Scan# 1912

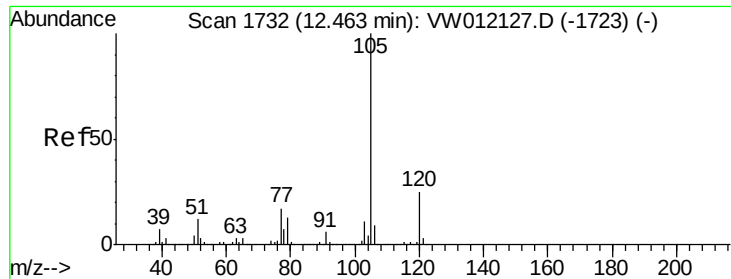
Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Tgt Ion:	152	Resp:	148793
Ion Ratio	Lower	Upper	
152	100		
115	59.5	30.1	90.3
150	176.2	0.0	345.8





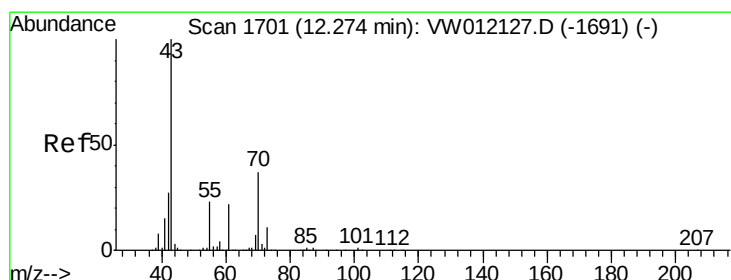
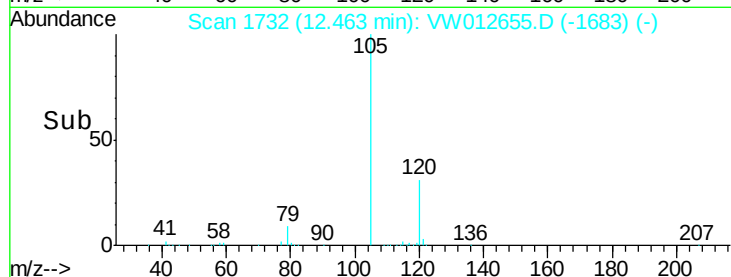
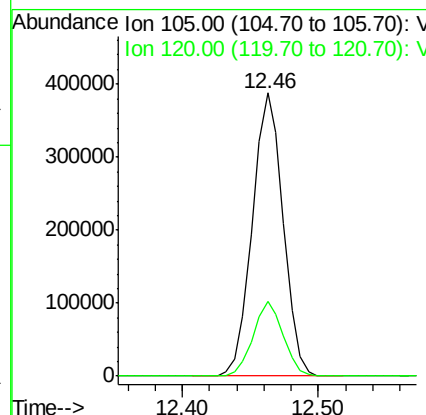
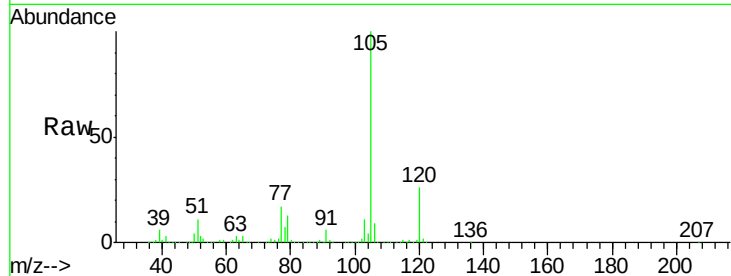
#73
Isopropylbenzene
Concen: 55.208 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.5	37.5

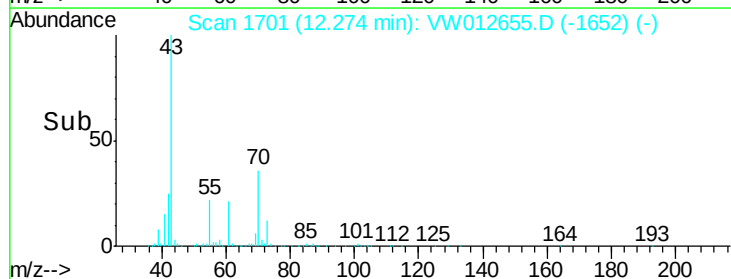
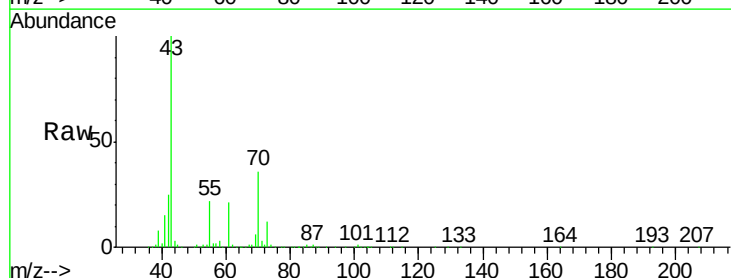
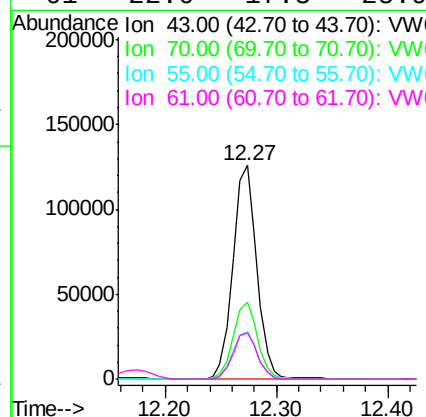
Manual Integrations
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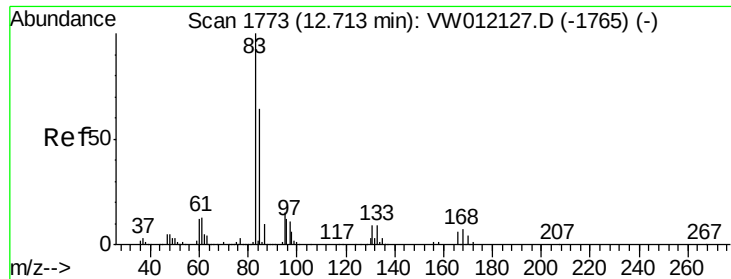
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#74
N-ethyl acetate
Concen: 55.311 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	28.6	43.0
55	23.1	17.8	26.6
61	22.0	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 57.025 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 116558

Ion Ratio Lower Upper

83 100

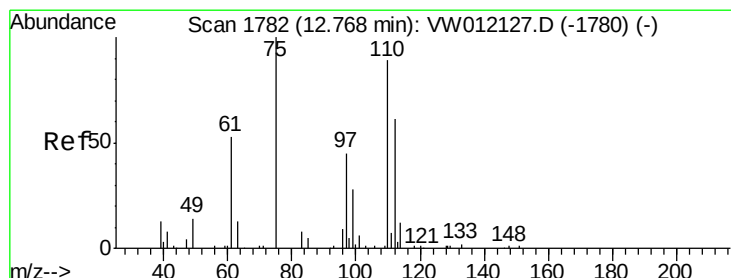
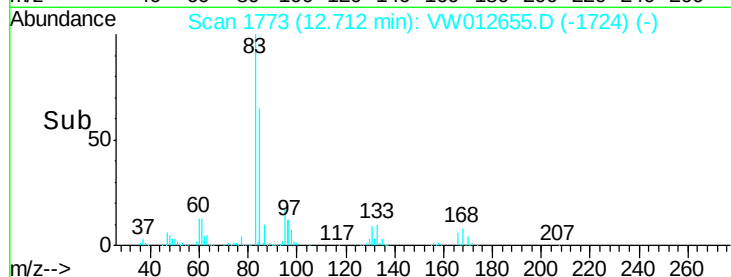
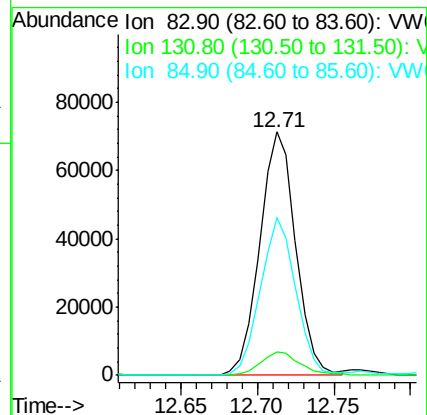
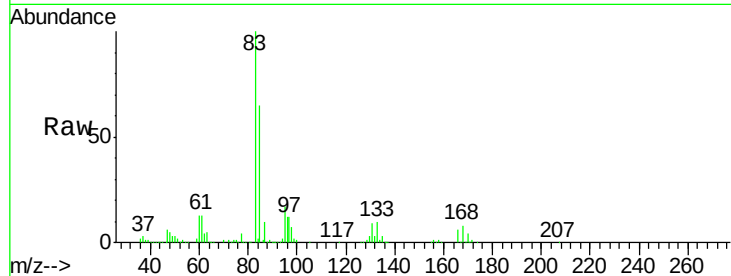
131 10.6 4.9 14.7

85 63.7 31.9 95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.901 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012655.D

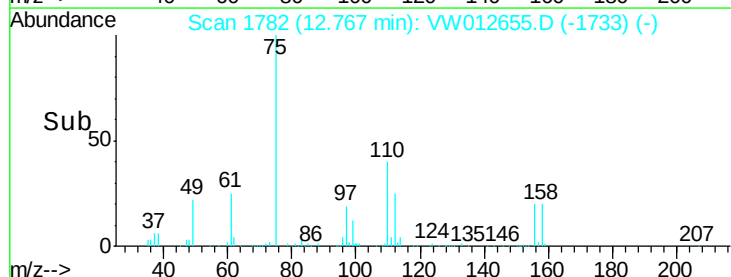
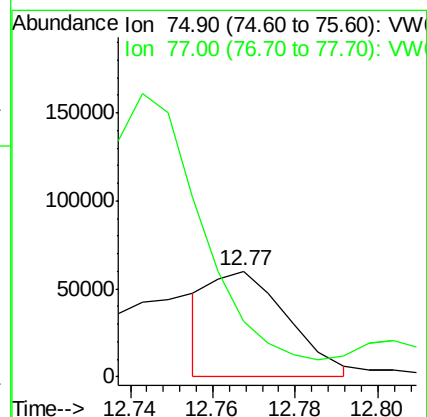
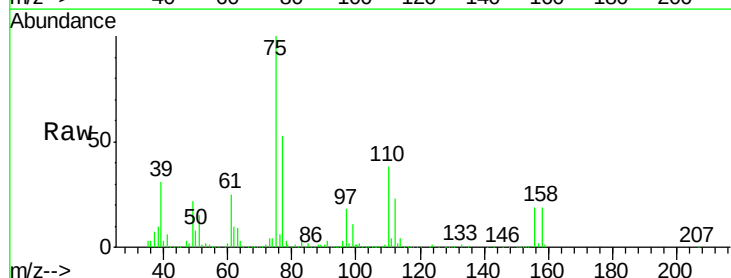
Acq: 05 Sep 2019 21:28

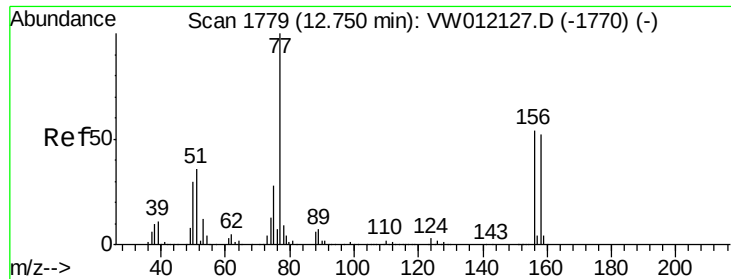
Tgt Ion: 75 Resp: 78110

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





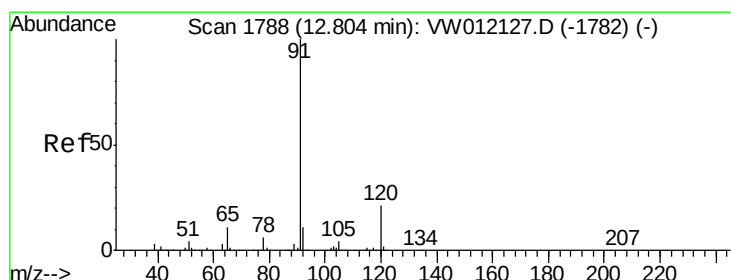
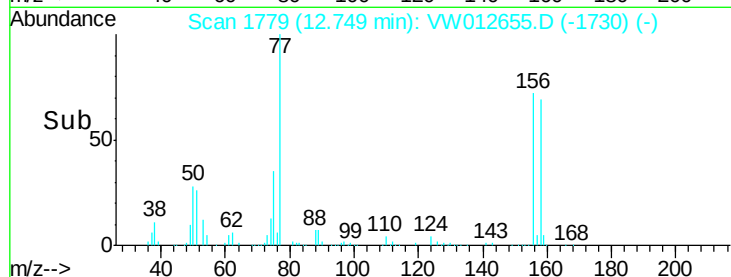
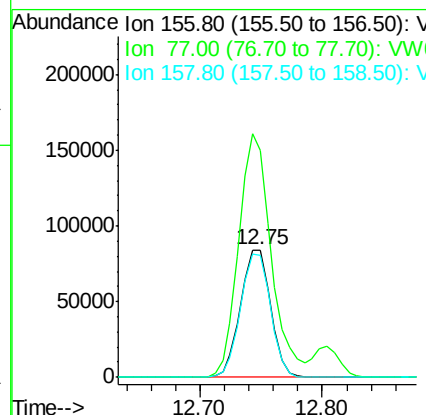
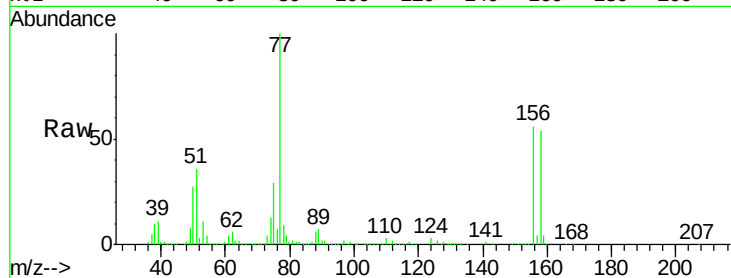
#77
Bromobenzene
Concen: 59.504 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	206.4	107.3	321.8
158	96.7	49.0	147.0

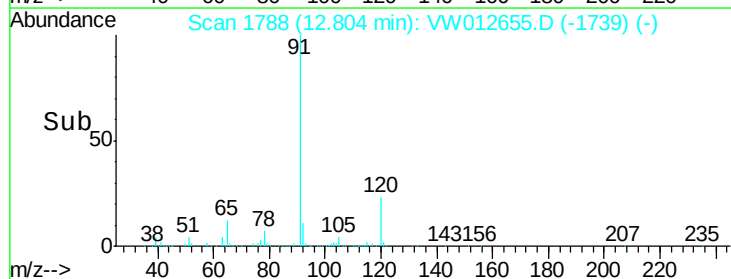
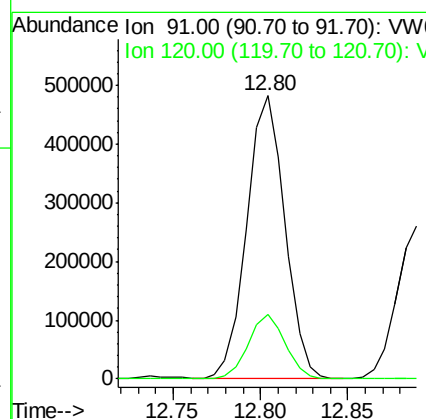
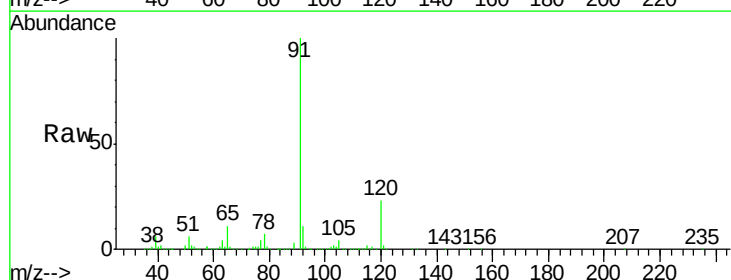
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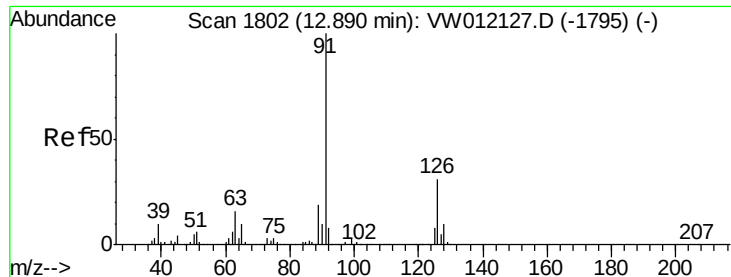
MMDadoda
9/6/2019 12:29:37 PM



#78
n-propylbenzene
Concen: 53.615 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.5	31.6





#79

2-Chlorotoluene

Concen: 55.524 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012655.D

Acq: 05 Sep 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 429062

Ion Ratio Lower Upper

91 100

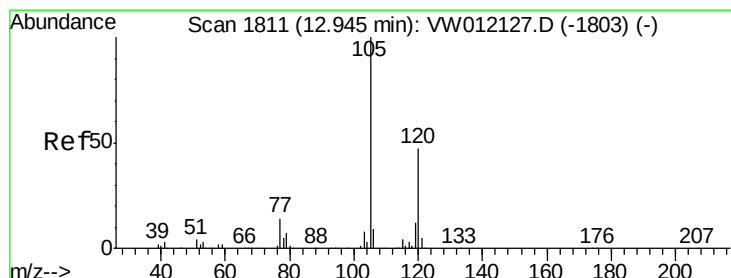
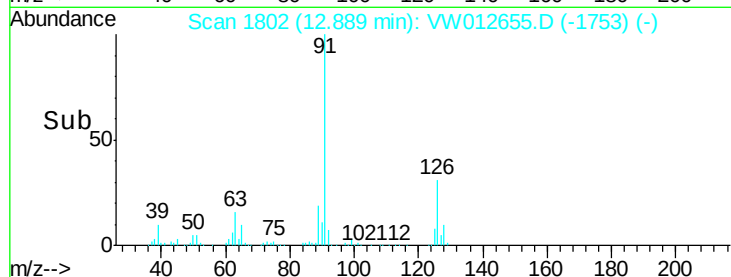
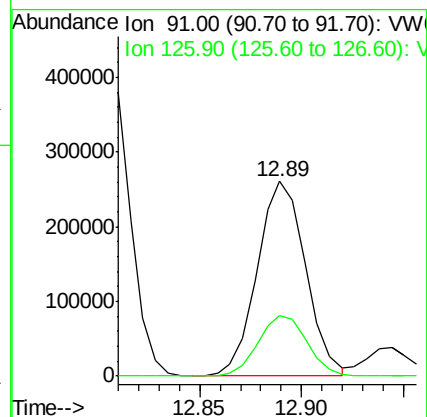
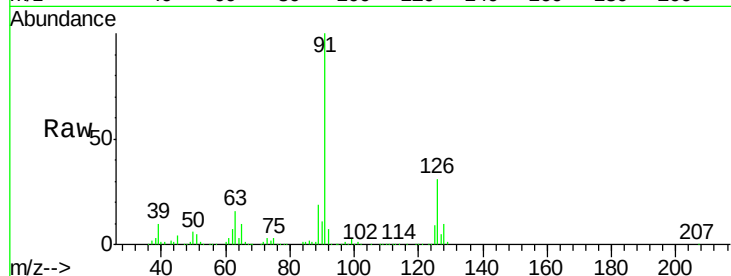
126 31.5 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 57.064 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012655.D

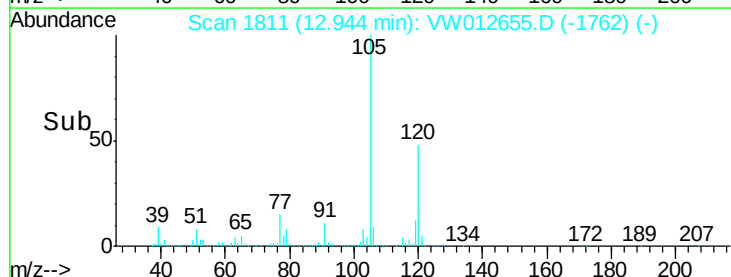
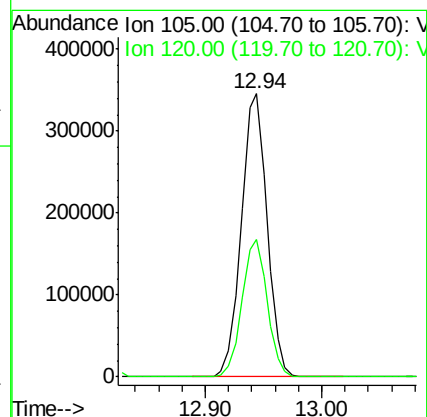
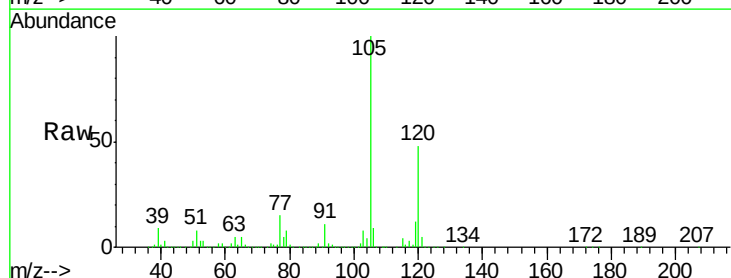
Acq: 05 Sep 2019 21:28

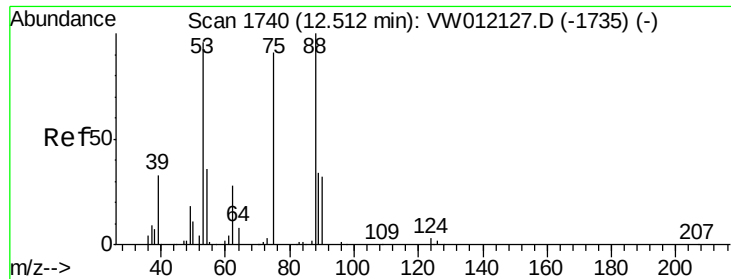
Tgt Ion: 105 Resp: 531625

Ion Ratio Lower Upper

105 100

120 47.7 24.0 72.0





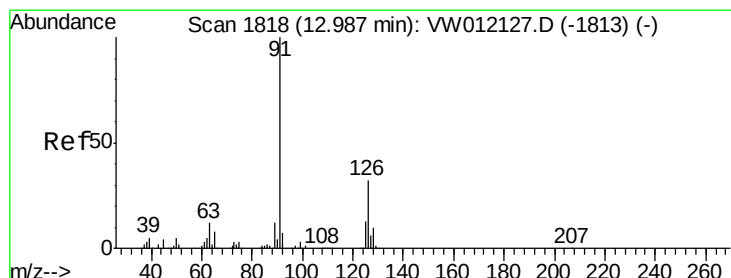
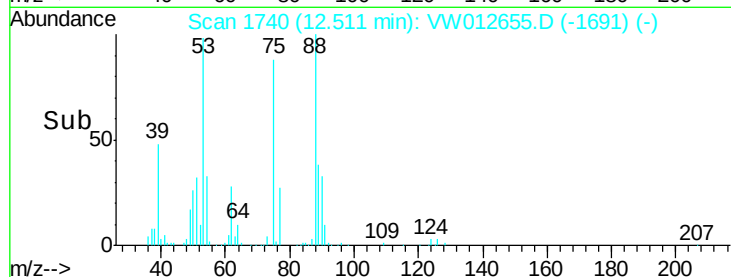
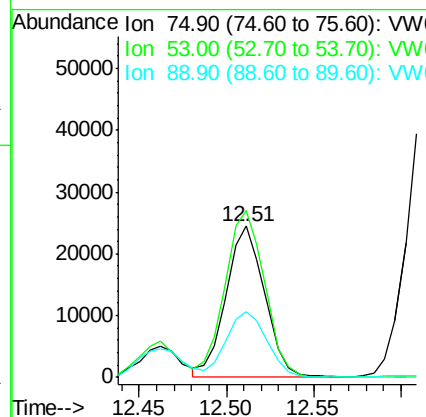
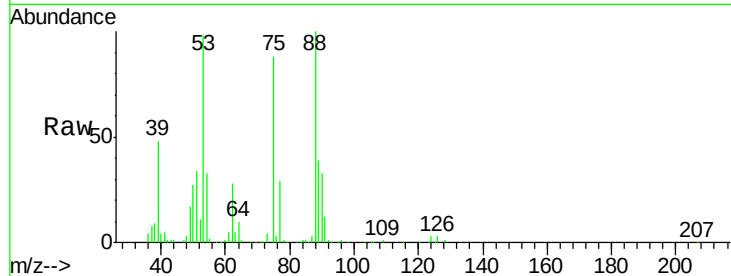
#81
trans-1,4-Dichloro-2-butene
Concen: 56.208 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.5	89.4	134.0
89	46.1	34.5	51.7

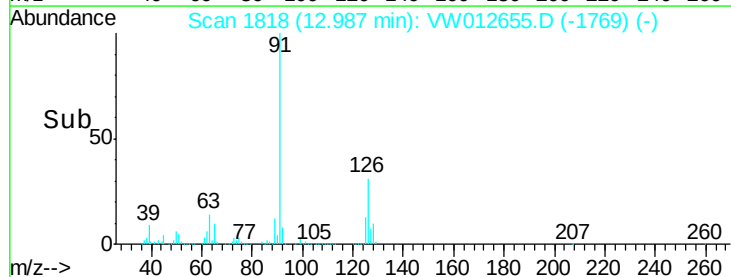
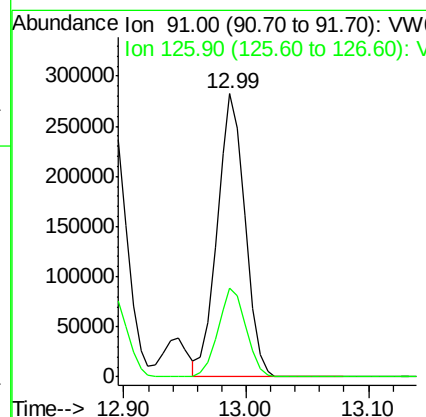
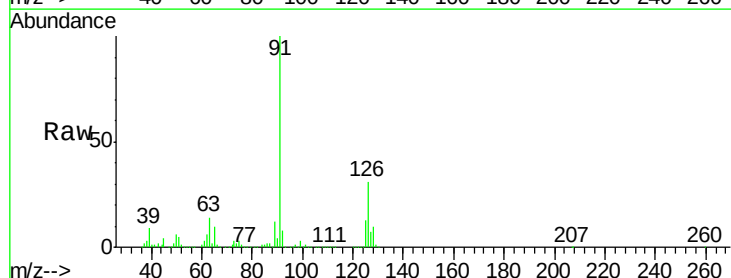
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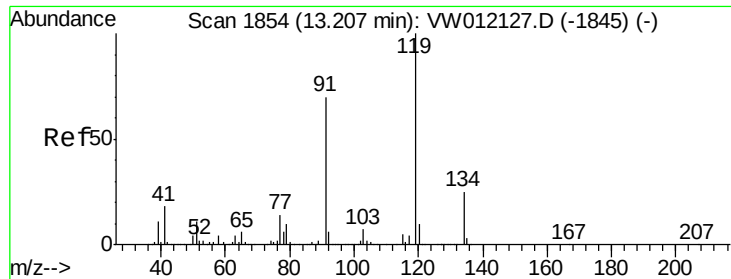
MMDadoda
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#82
4-Chlorotoluene
Concen: 54.898 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.8





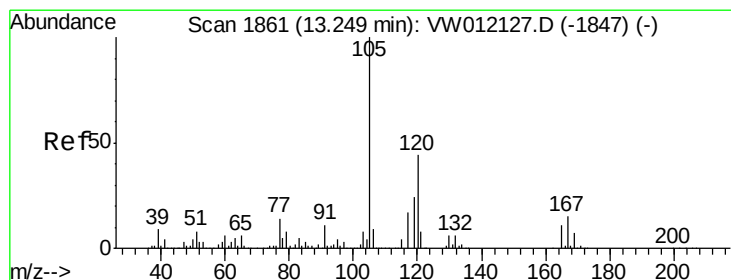
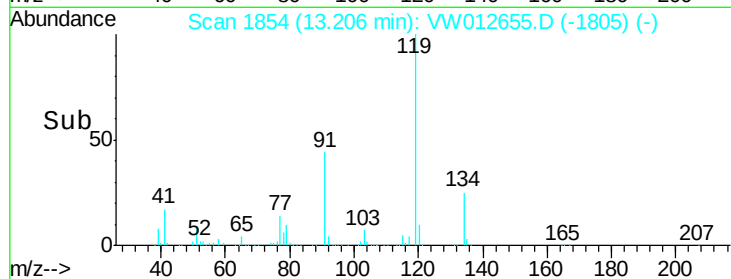
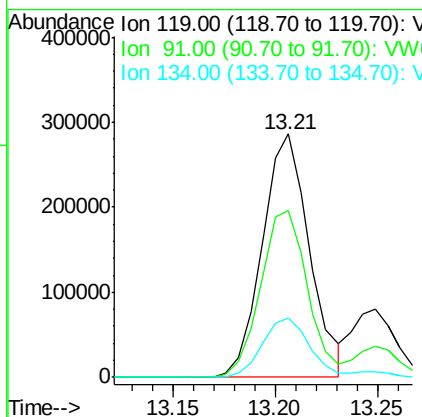
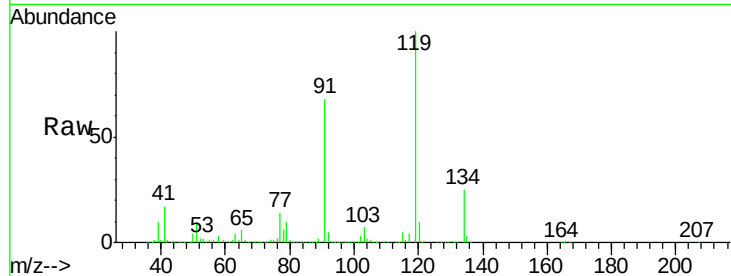
#83
 tert-Butylbenzene
 Concen: 58.238 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.8	104.3
134	24.7	13.3	39.8

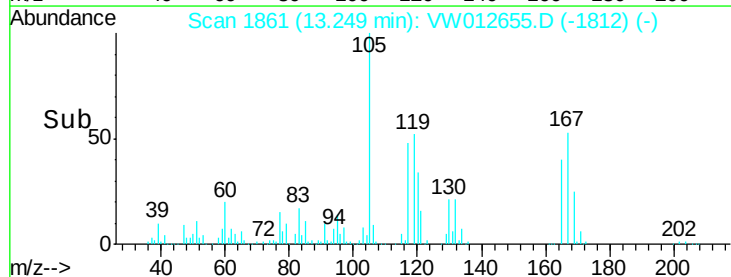
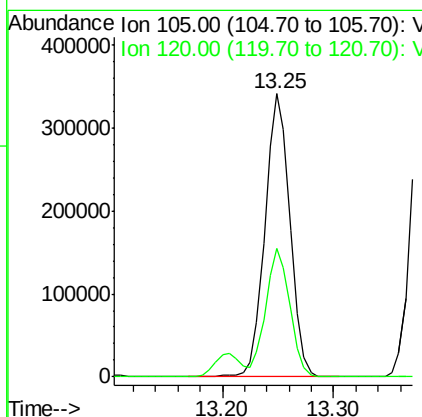
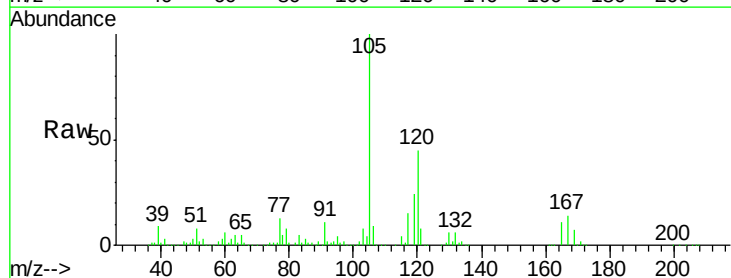
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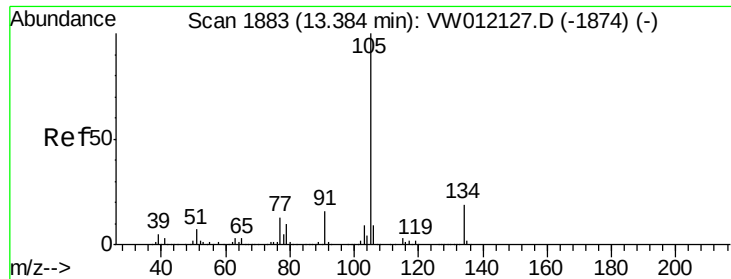
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.990 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.9	65.7





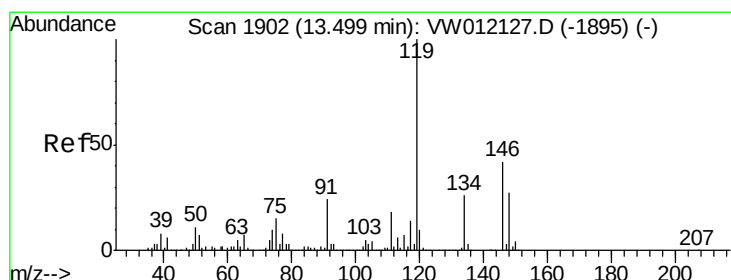
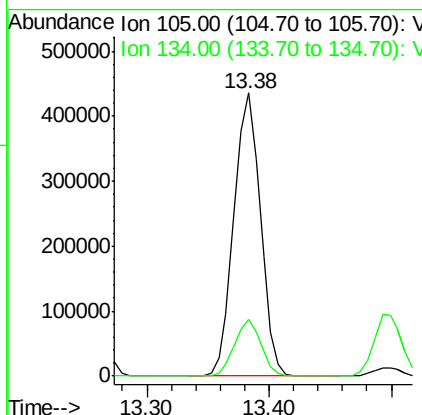
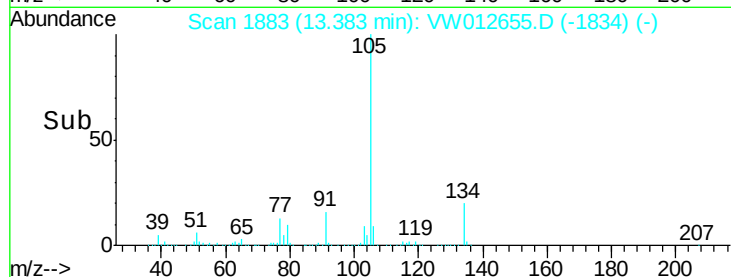
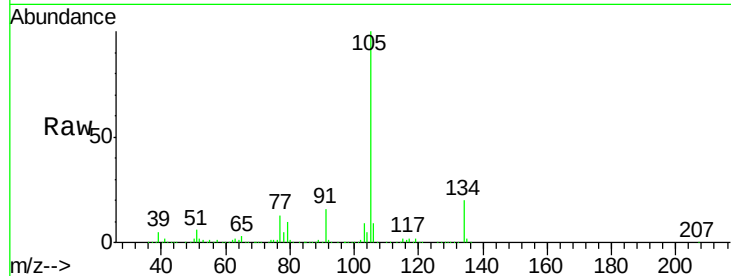
#85
 sec-Butylbenzene
 Concen: 57.870 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	654292		
134	19.8	9.8	29.4	

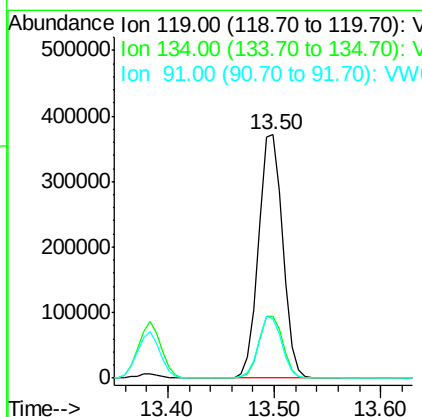
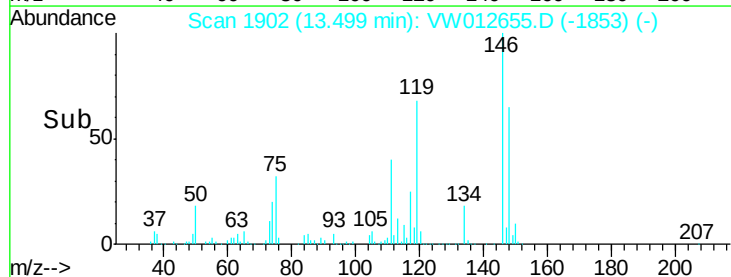
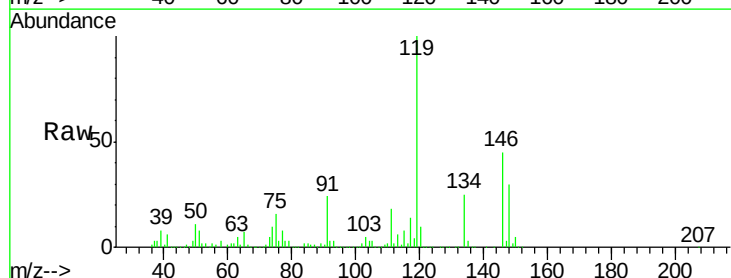
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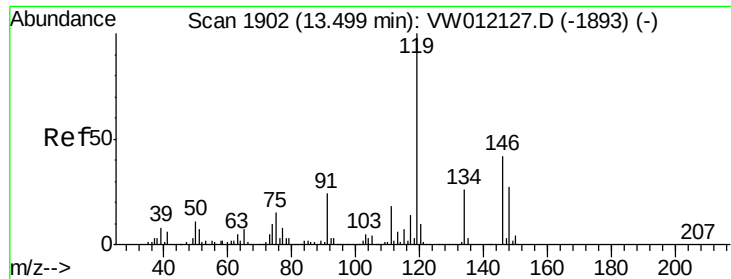
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#86
 p-Isopropyltoluene
 Concen: 58.793 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	593636		
134	25.3	12.8	38.3	
91	24.3	12.3	36.9	





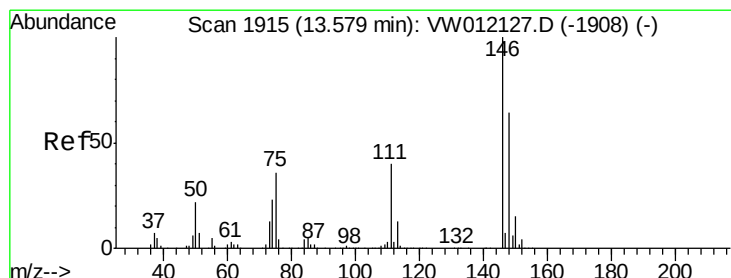
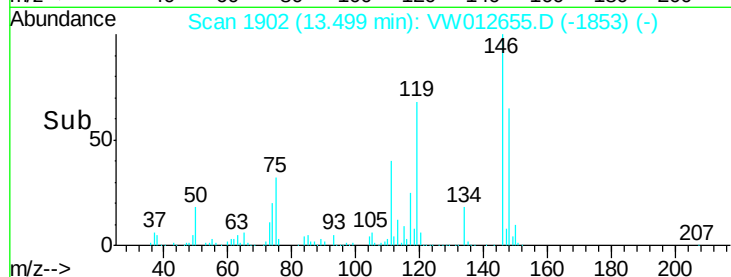
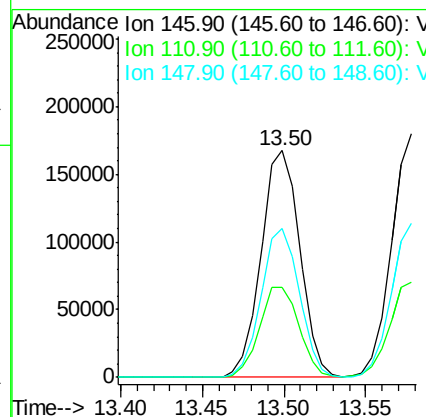
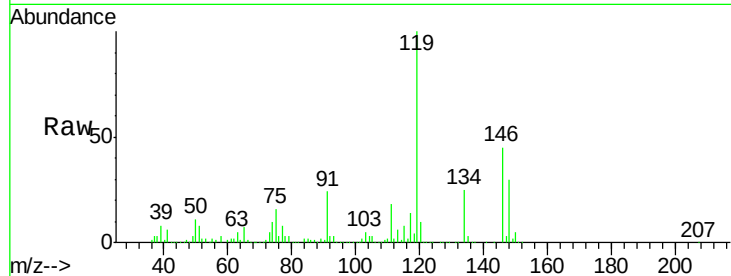
#87
 1,3-Dichlorobenzene
 Concen: 58.693 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	276904		
111	40.6	20.9	62.7	
148	64.5	32.2	96.6	

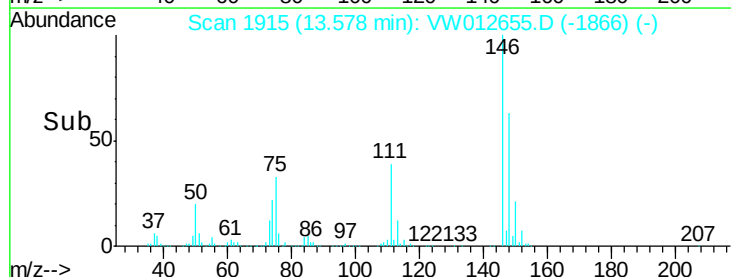
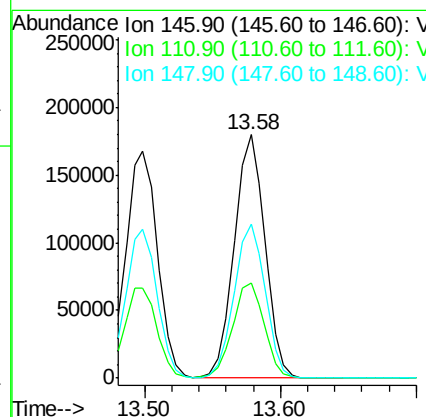
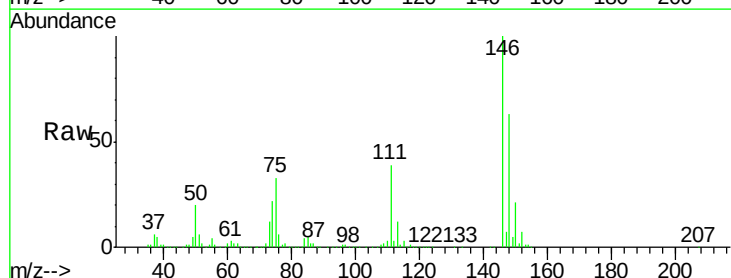
Manual Integrations
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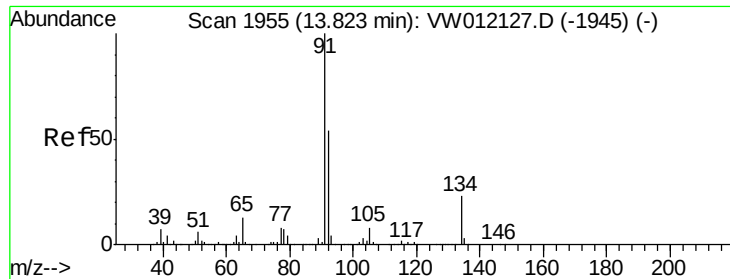
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#88
 1,4-Dichlorobenzene
 Concen: 60.126 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	281660		
111	40.5	20.0	60.0	
148	64.3	32.1	96.3	





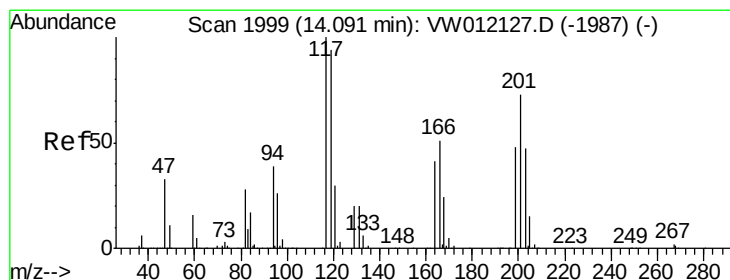
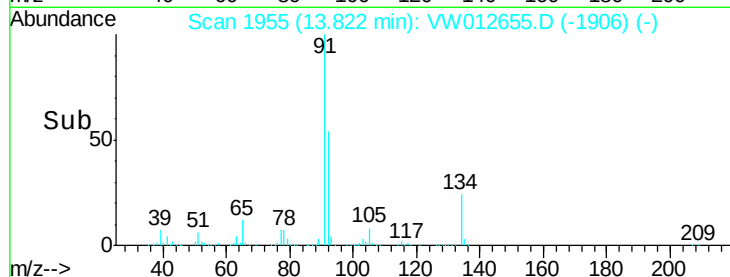
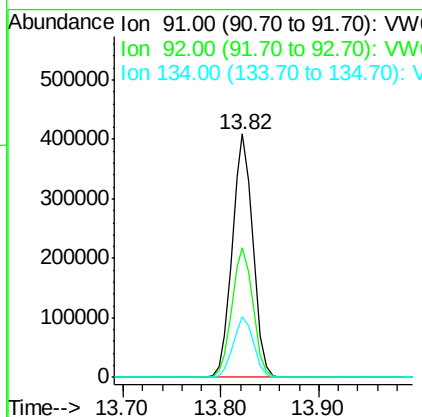
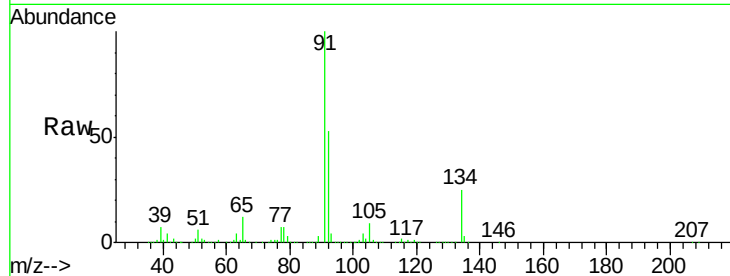
#89
n-Butylbenzene
Concen: 59.343 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.2
134	25.0	12.2	36.4

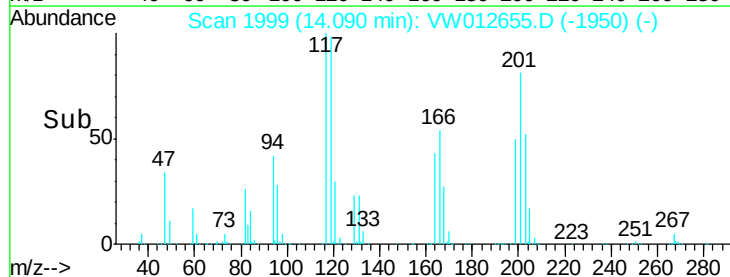
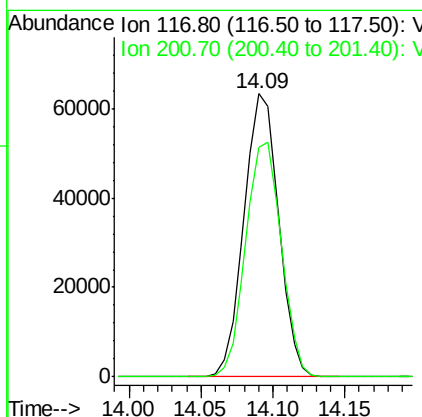
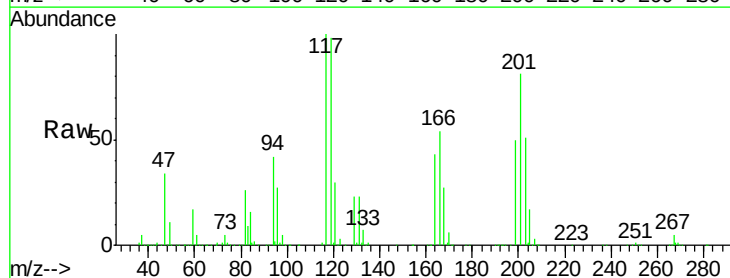
Manual Integrations
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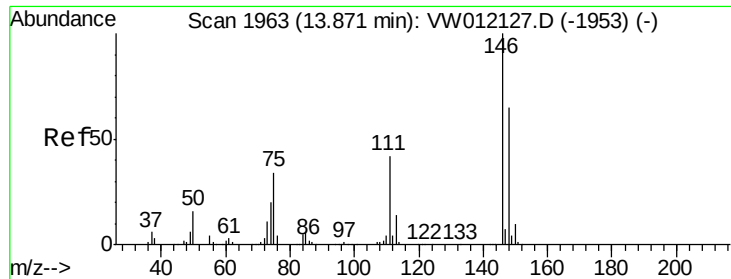
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#90
Hexachloroethane
Concen: 59.702 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	38.6	115.7





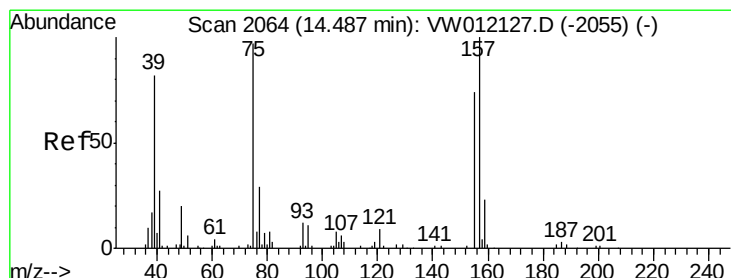
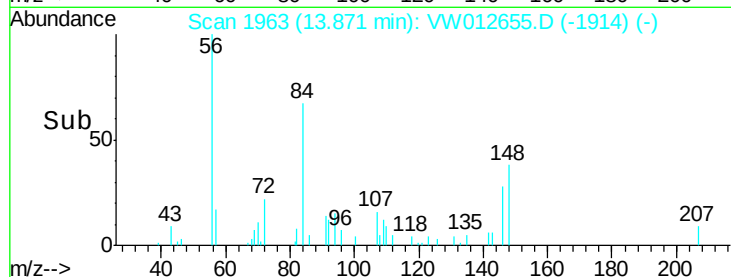
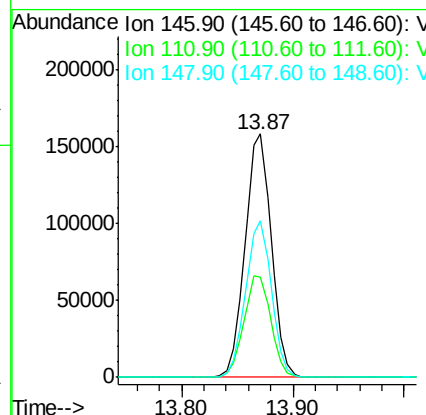
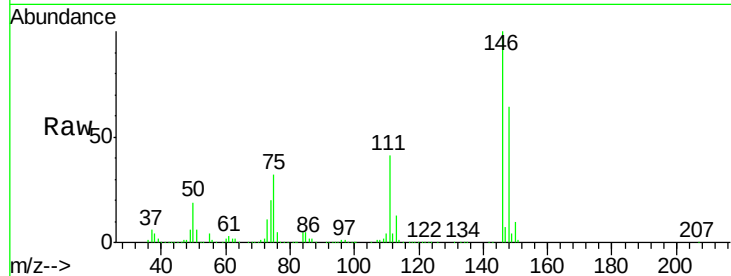
#91
 1,2-Dichlorobenzene
 Concen: 62.475 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	258570		
111	42.6		21.2	63.6
148	63.4		32.5	97.4

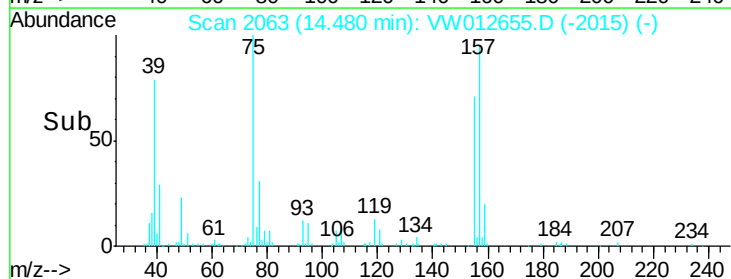
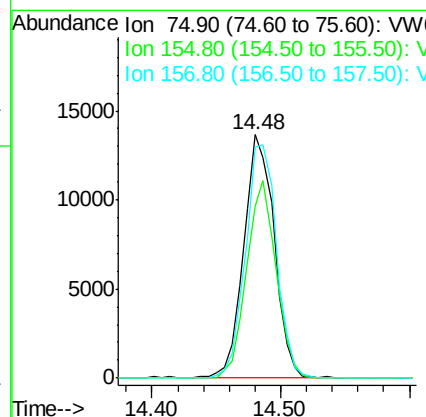
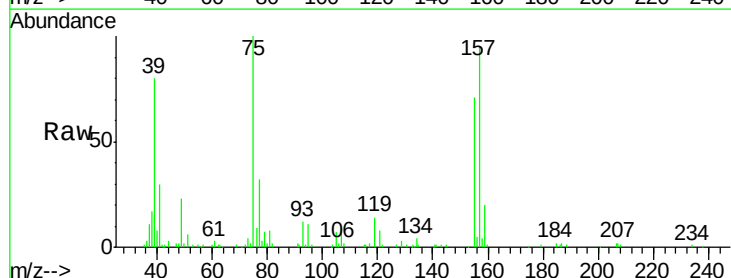
Manual Integrations
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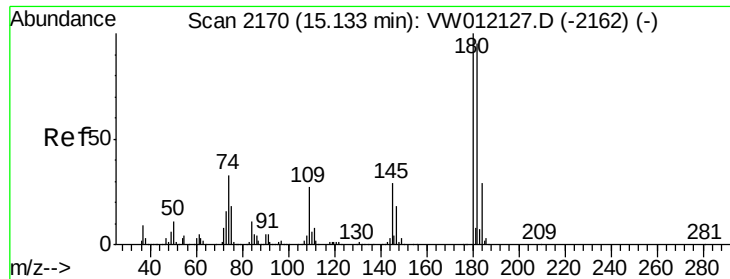
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.643 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22275		
155	78.1		37.5	112.3
157	97.9		50.5	151.5





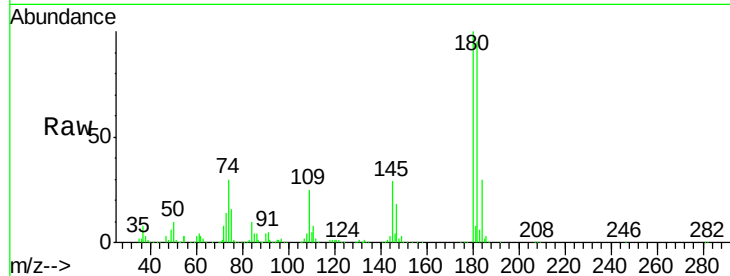
#93
 1,2,4-Trichlorobenzene
 Concen: 65.879 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

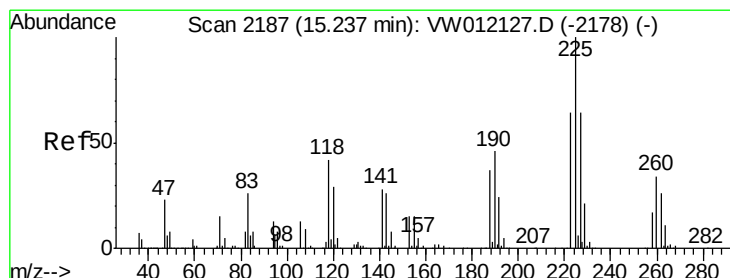
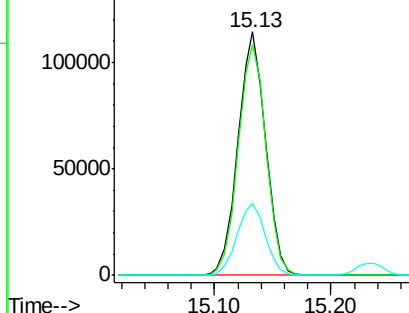
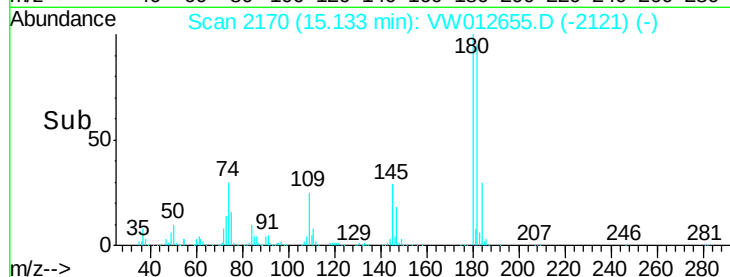
Tot Ion	Ratio	Resp	Lower	Upper
180	100	188423		
182	95.9	47.8	143.4	
145	30.3	15.0	45.1	

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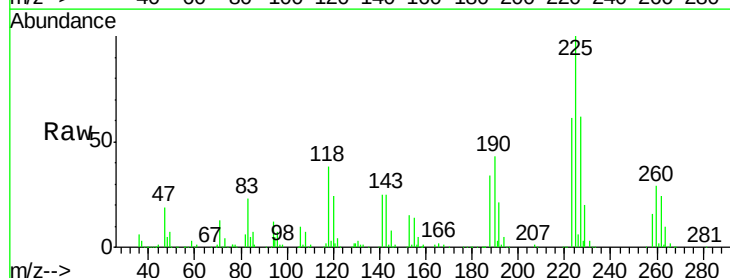


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

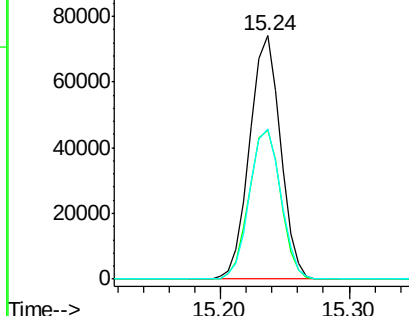
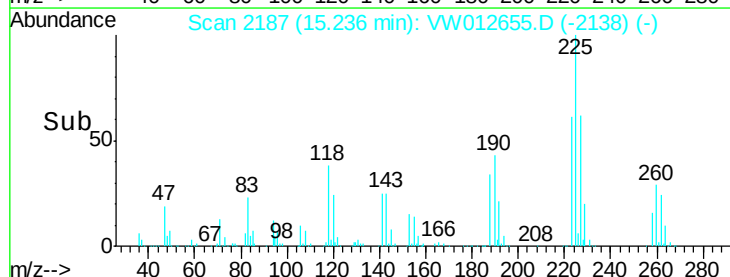


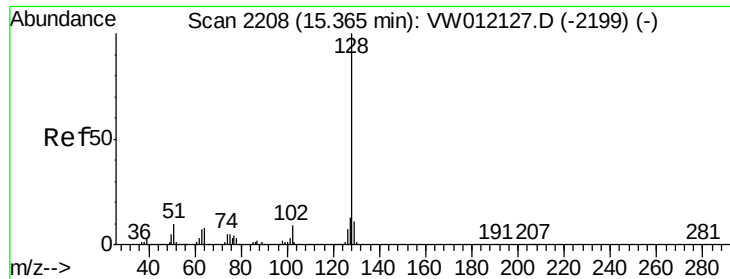
#94
 Hexachlorobutadiene
 Concen: 64.694 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012655.D
 Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122178		
223	62.6	32.3	96.8	
227	62.7	32.9	98.6	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





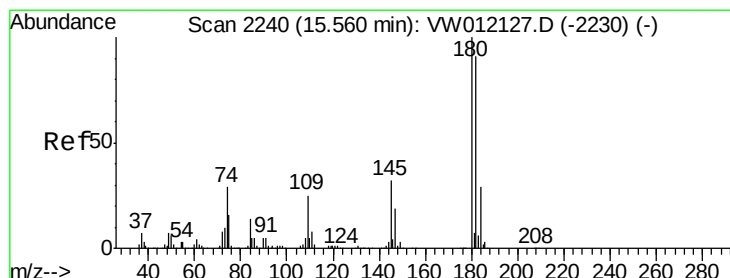
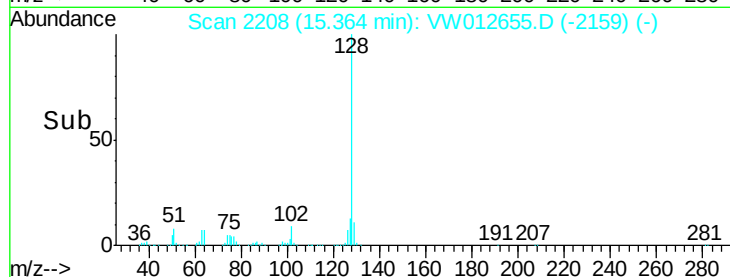
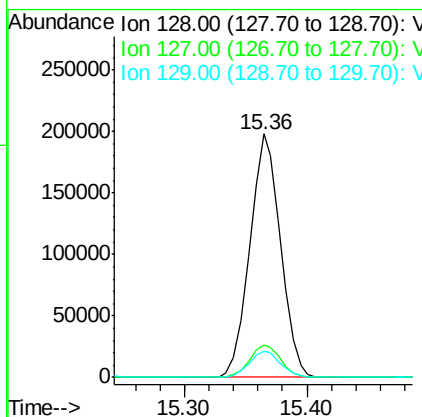
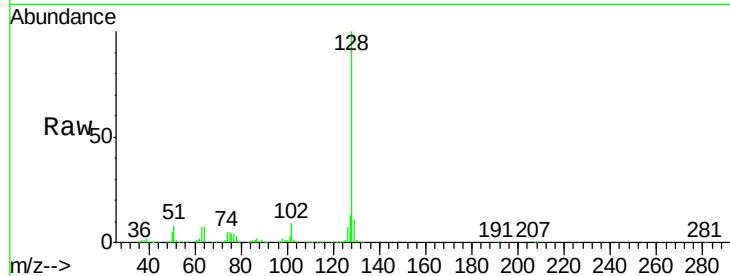
#95
Naphthalene
Concen: 60.623 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:29:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 66.632 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012655.D
Acq: 05 Sep 2019 21:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.1	141.3
145	31.6	16.2	48.5

