

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012535.D
 Acq On : 03 Sep 2019 09:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 9:34:53 AM

Quant Time: Sep 03 14:12:11 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	230944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	148034	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133303	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	7.88	113	108245	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.32	98	432587	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.62	95	152674	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	74264	52.225	ug/l	99
3) Chloromethane	2.21	50	102363	46.463	ug/l	99
4) Vinyl Chloride	2.36	62	126129	46.775	ug/l	96
5) Bromomethane	2.78	94	62753	45.952	ug/l	100
6) Chloroethane	2.92	64	72314	47.539	ug/l	95
7) Trichlorofluoromethane	3.26	101	76476	56.482	ug/l	98
8) Diethyl Ether	3.68	74	63681	49.549	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113367	49.258	ug/l	97
10) Methyl Iodide	4.27	142	160059	51.400	ug/l	99
11) Tert butyl alcohol	5.20	59	42589	257.780	ug/l	98
12) 1,1-Dichloroethene	4.04	96	117053	50.531	ug/l	99
13) Acrolein	3.90	56	33776	217.181	ug/l	100
14) Allyl chloride	4.67	41	250277	50.538	ug/l	100
15) Acrylonitrile	5.37	53	159744	250.767	ug/l	99
16) Acetone	4.14	43	190373	271.275	ug/l	97
17) Carbon Disulfide	4.38	76	327789	46.821	ug/l	100
18) Methyl Acetate	4.67	43	83704	48.157	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	202914	54.167	ug/l	100
20) Methylene Chloride	4.91	84	124018	46.747	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	121980	49.105	ug/l	93
22) Diisopropyl ether	6.31	45	457761	49.868	ug/l	98
23) Vinyl Acetate	6.25	43	1444119	255.631	ug/l	100
24) 1,1-Dichloroethane	6.21	63	247361	49.491	ug/l	100
25) 2-Butanone	7.17	43	244171	256.045	ug/l	99
26) 2,2-Dichloropropane	7.17	77	152206	53.802	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	134285	50.597	ug/l	99
28) Bromochloromethane	7.51	49	99195	45.535	ug/l #	24
29) Tetrahydrofuran	7.53	42	144338	252.279	ug/l	98
30) Chloroform	7.67	83	228945	50.067	ug/l	97
31) Cyclohexane	7.95	56	222894	45.075	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	188663	52.154	ug/l	99
36) 1,1-Dichloropropene	8.08	75	189837	51.790	ug/l	100
37) Ethyl Acetate	7.25	43	99278	49.426	ug/l	98
38) Carbon Tetrachloride	8.07	117	168899	53.237	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	204459	49.651	ug/l	98
40) Benzene	8.32	78	511608	51.115	ug/l	99
41) Methacrylonitrile	7.48	41	61591	52.172	ug/l	98
42) 1,2-Dichloroethane	8.40	62	164615	52.477	ug/l	99
43) Isopropyl Acetate	8.42	43	195294	52.489	ug/l	100
44) Trichloroethene	9.09	130	130167	53.498	ug/l	95
45) 1,2-Dichloropropane	9.37	63	134365	49.881	ug/l	98
46) Dibromomethane	9.46	93	61901	51.648	ug/l	97
47) Bromodichloromethane	9.64	83	167735	52.586	ug/l	99
48) Methyl methacrylate	9.43	41	93555	52.831	ug/l	99
49) 1,4-Dioxane	9.46	88	18344	999.796	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	498771	263.562	ug/l	100
52) Toluene	10.38	92	311113	51.742	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	176773	54.406	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	207993	53.017	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	88379	52.119	ug/l	99
56) Ethyl methacrylate	10.65	69	134093	54.333	ug/l	98
57) 1,3-Dichloropropane	10.93	76	168537	52.594	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	335535	264.905	ug/l	99
59) 2-Hexanone	10.97	43	368111	274.912	ug/l	100
60) Dibromochloromethane	11.13	129	101081	53.517	ug/l	98
61) 1,2-Dibromoethane	11.23	107	82847	52.442	ug/l	100
64) Tetrachloroethene	10.86	164	103466	52.549	ug/l	98
65) Chlorobenzene	11.65	112	316623	52.946	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	112840	54.089	ug/l	99
67) Ethyl Benzene	11.73	91	608221	52.799	ug/l	99
68) m/p-Xylenes	11.84	106	439072	105.814	ug/l	99
69) o-Xylene	12.16	106	204216	53.175	ug/l	99
70) Styrene	12.18	104	354665	53.353	ug/l	99
71) Bromoform	12.35	173	58297	56.087	ug/l #	99
73) Isopropylbenzene	12.46	105	578284	52.133	ug/l	99
74) N-amyl acetate	12.27	43	177092	52.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	102770	50.537	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	69584m	48.264	ug/l	
77) Bromobenzene	12.74	156	126242	52.607	ug/l	97
78) n-propylbenzene	12.80	91	700507	51.730	ug/l	99
79) 2-Chlorotoluene	12.89	91	392867	51.100	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	484952	52.321	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35831	54.490	ug/l	98
82) 4-Chlorotoluene	12.99	91	412945	51.297	ug/l	99
83) tert-Butylbenzene	13.21	119	420112	53.508	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	483045	51.880	ug/l	99
85) sec-Butylbenzene	13.38	105	581071	51.657	ug/l	100
86) p-Isopropyltoluene	13.50	119	530145	52.774	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	243362	51.848	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	242080	51.942	ug/l	100
89) n-Butylbenzene	13.82	91	520344	52.088	ug/l	100
90) Hexachloroethane	14.09	117	90026	51.079	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	215425	52.317	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17147	50.017	ug/l	96

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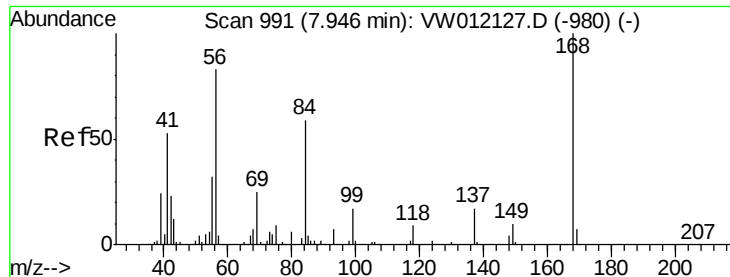
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	152952	53.751	ug/l	99
94) Hexachlorobutadiene	15.24	225	101838	54.200	ug/l	98
95) Naphthalene	15.36	128	281226	50.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	135786	54.693	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: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 230944

Ion Ratio Lower Upper

168 100

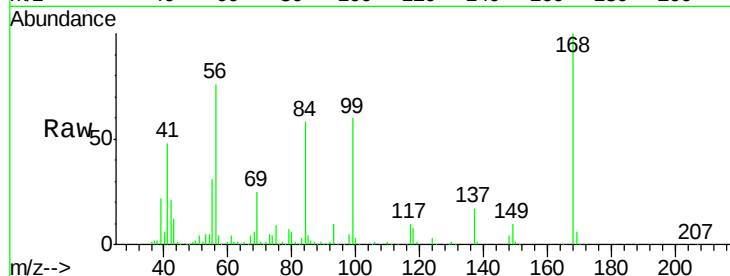
99 59.8 49.2 73.8

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9/4/2019 9:34:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

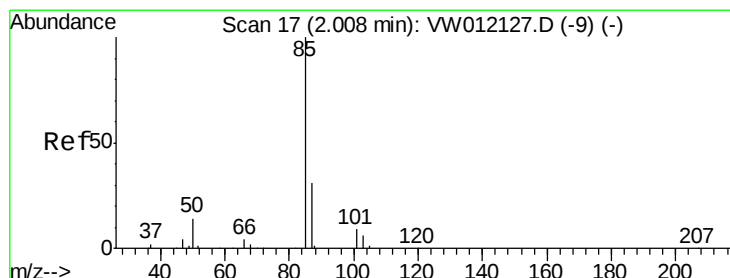
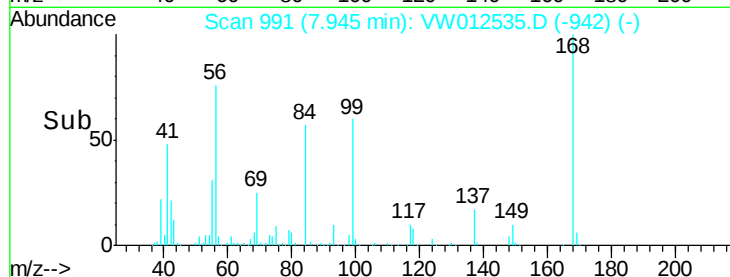
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 52.225 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012535.D

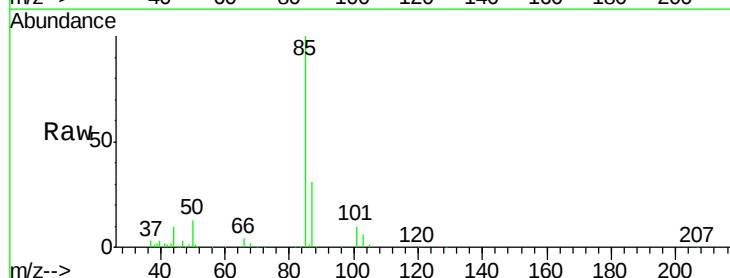
Acq: 03 Sep 2019 09:08

Tgt Ion: 85 Resp: 74264

Ion Ratio Lower Upper

85 100

87 30.5 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

30000

25000

20000

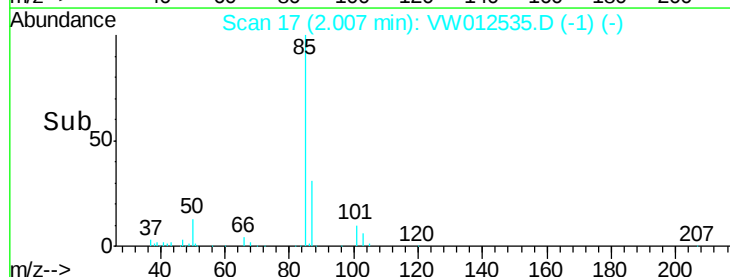
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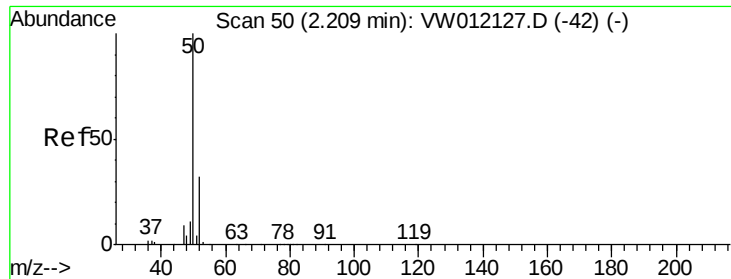
10000

5000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 46.463 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 102363

Ion Ratio Lower Upper

50 100

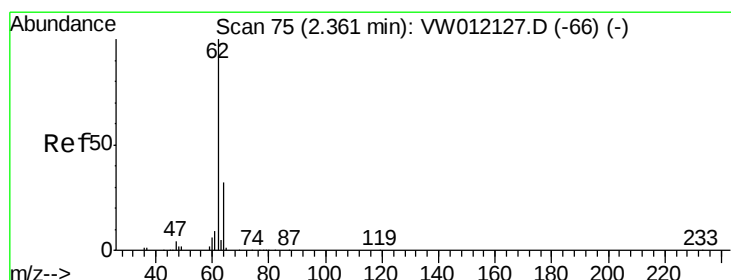
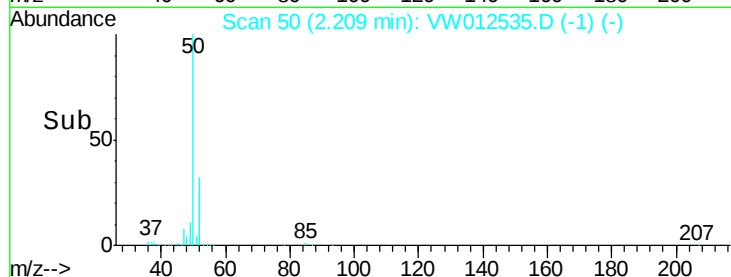
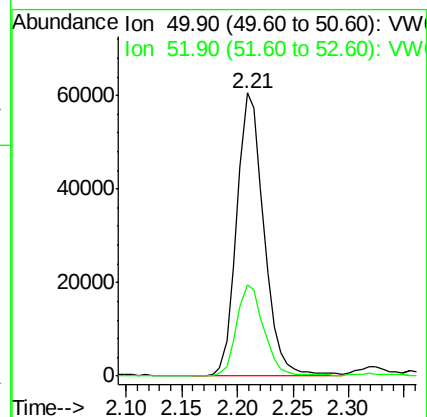
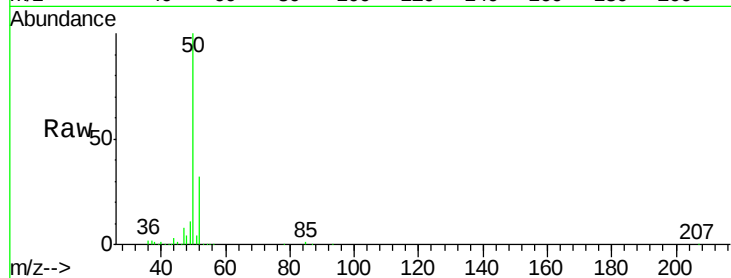
52 32.3 25.5 38.3

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9/4/2019 9:34:53 AM



#4

Vinyl Chloride

Concen: 46.775 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012535.D

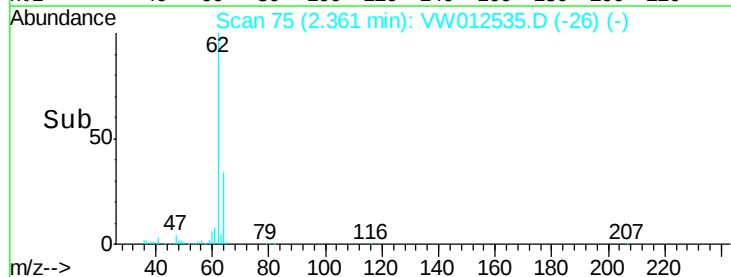
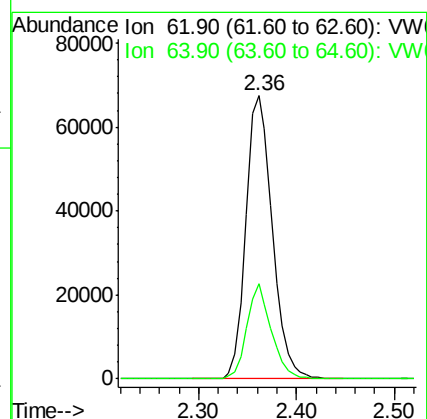
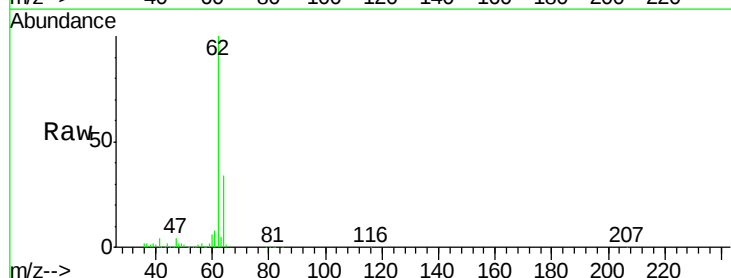
Acq: 03 Sep 2019 09:08

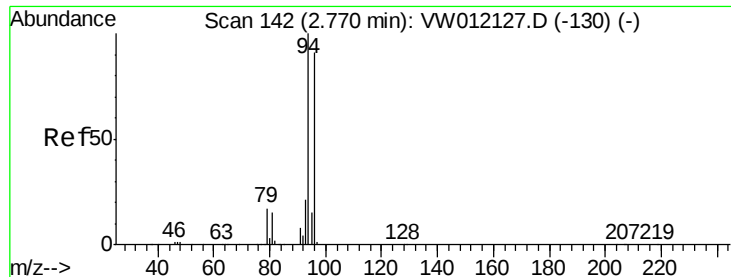
Tgt Ion: 62 Resp: 126129

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 45.952 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 62753

Ion Ratio Lower Upper

94 100

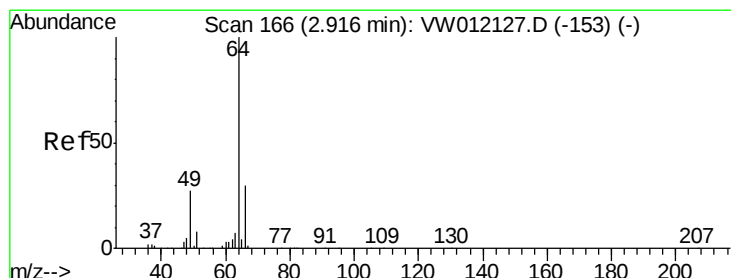
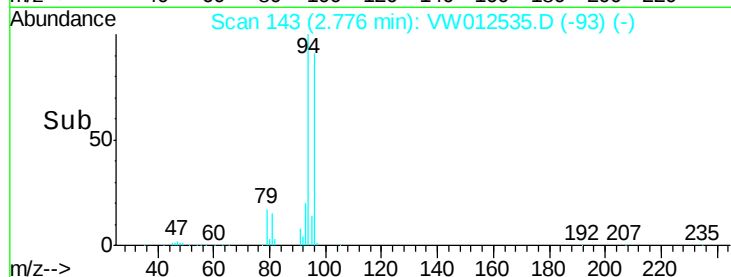
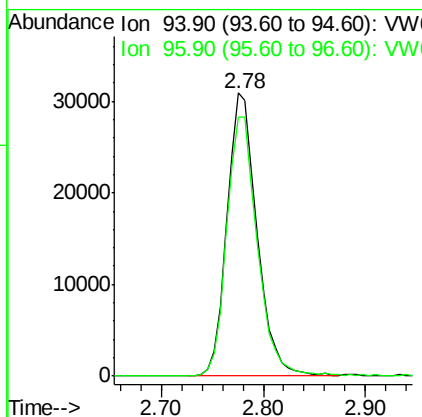
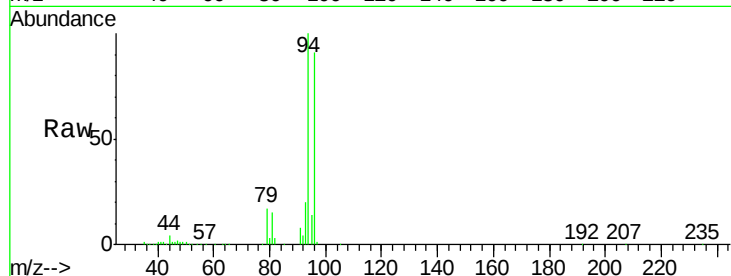
96 91.2 72.9 109.3

Manual Integrations

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9/4/2019 9:34:53 AM



#6

Chloroethane

Concen: 47.539 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012535.D

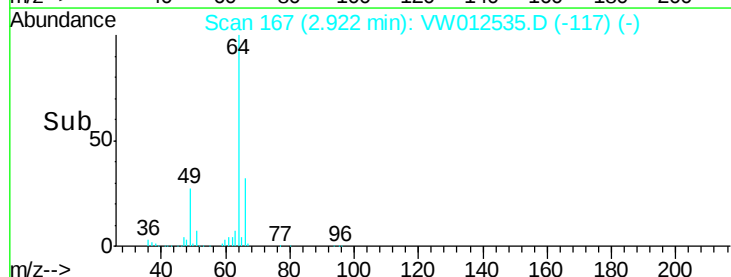
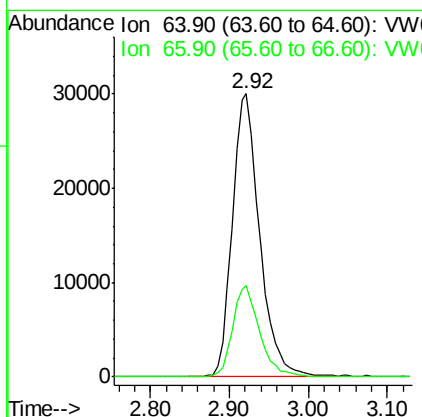
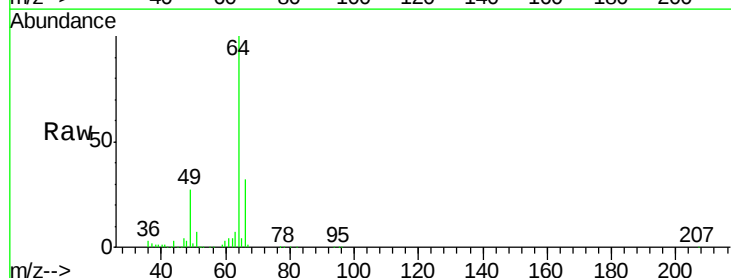
Acq: 03 Sep 2019 09:08

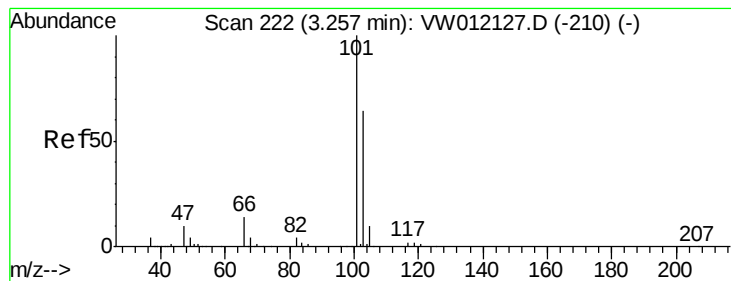
Tgt Ion: 64 Resp: 72314

Ion Ratio Lower Upper

64 100

66 32.4 23.8 35.8





#7

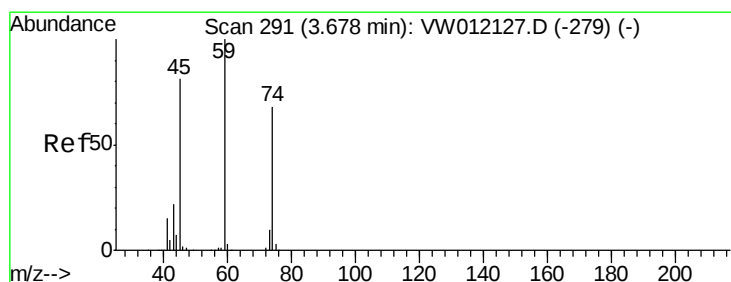
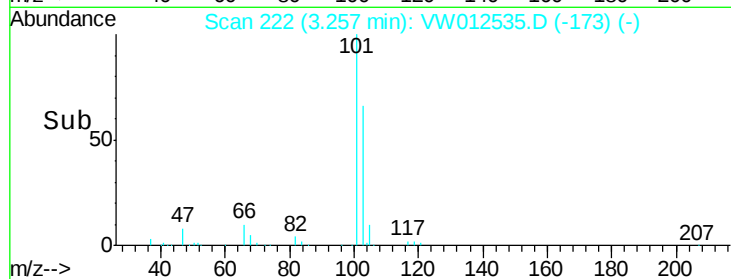
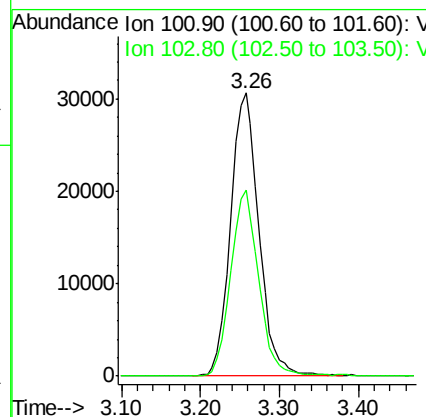
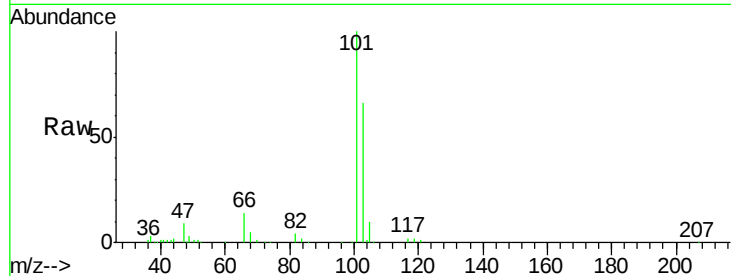
Trichlorofluoromethane
 Concen: 56.482 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.2	76.8

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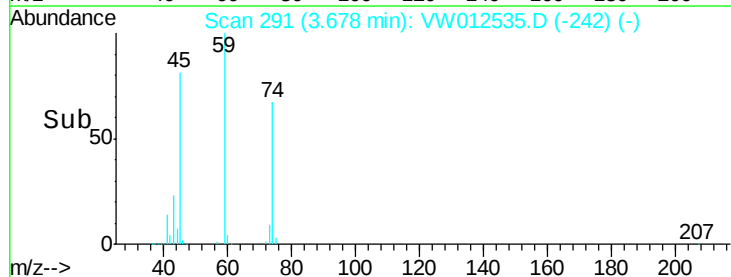
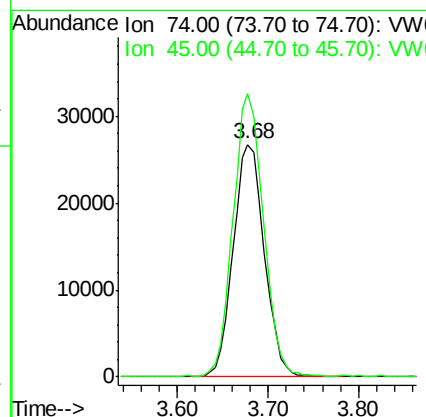
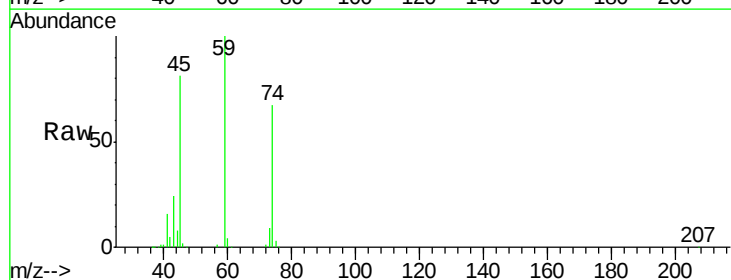
MMDadoda
 9/4/2019 9:34:53 AM

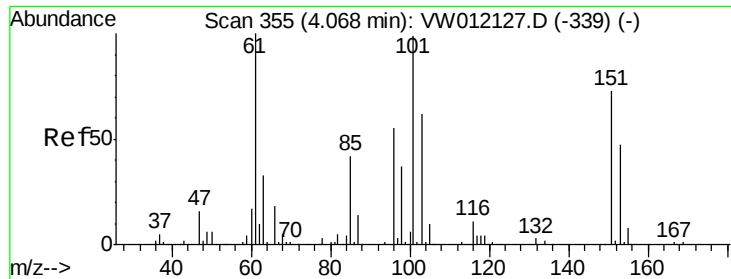


#8

Diethyl Ether
 Concen: 49.549 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.7	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.258 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

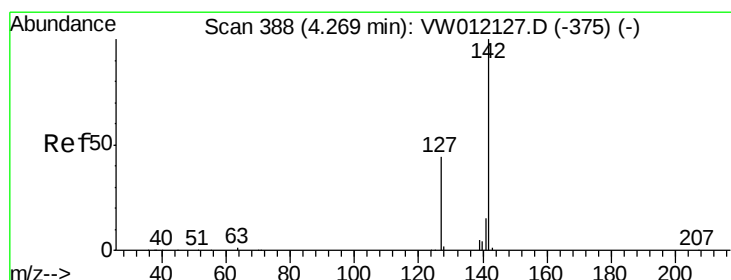
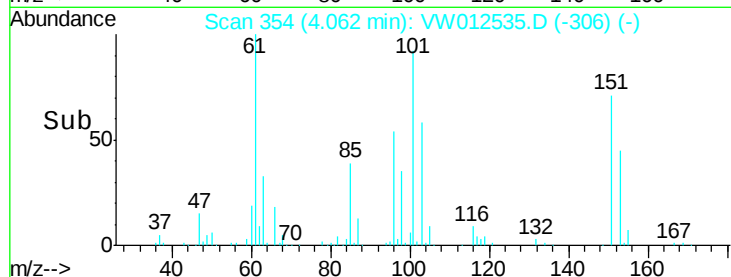
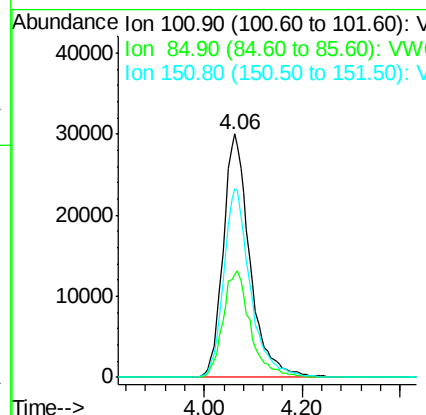
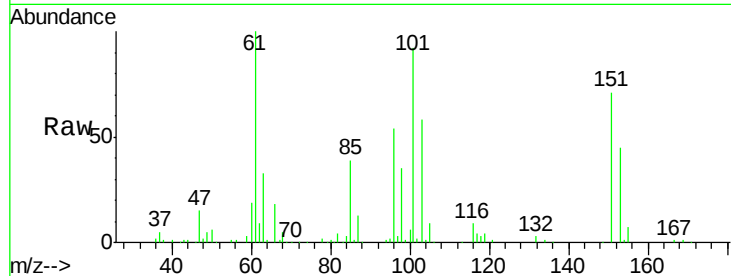
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	113367
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.8	53.6
151	77.5	58.6	87.8

Manual Integrations
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9/4/2019 9:34:53 AM



#10

Methyl Iodide

Concen: 51.400 ug/l

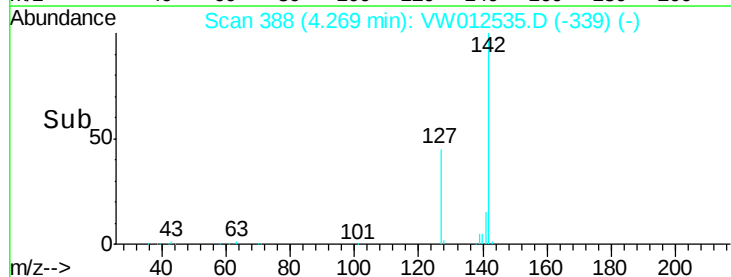
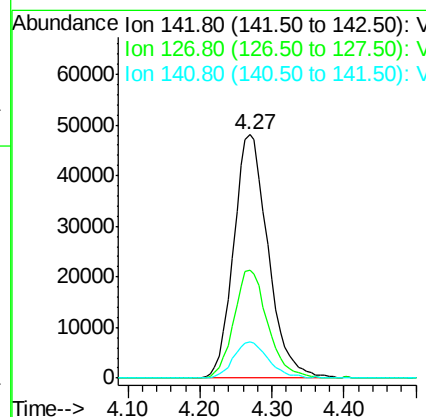
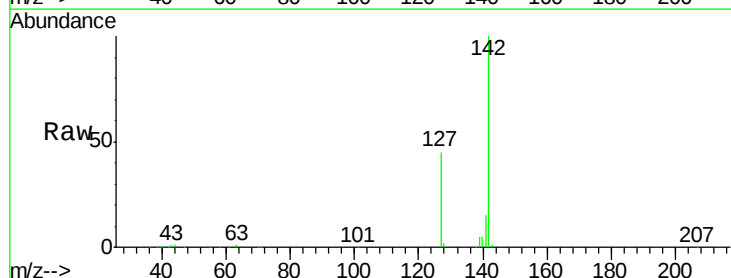
RT: 4.27 min Scan# 388

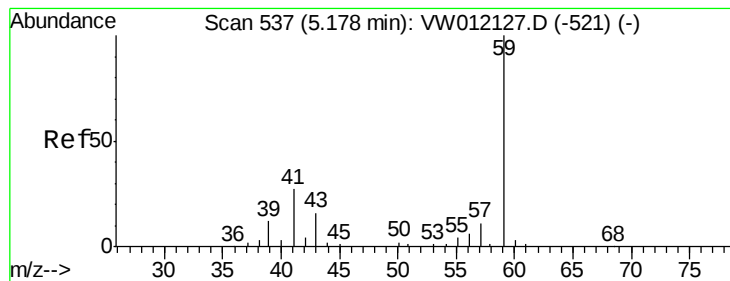
Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Tgt Ion:	142	Resp:	160059
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.5	53.3
141	14.8	11.8	17.8





#11

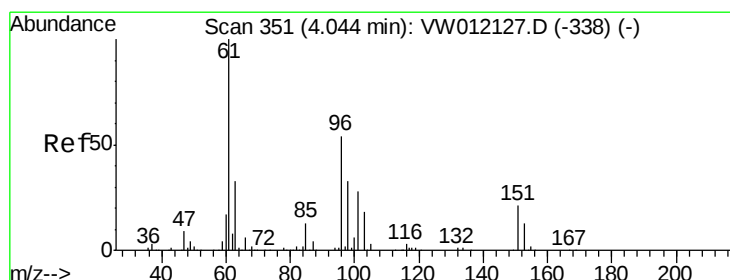
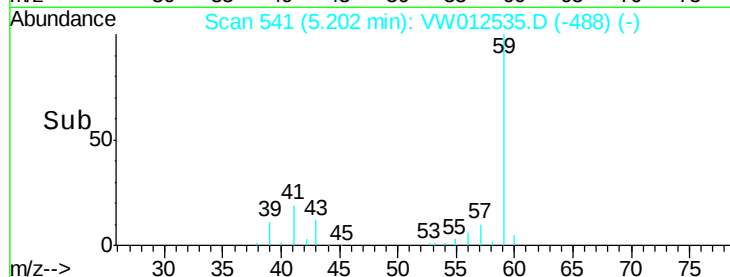
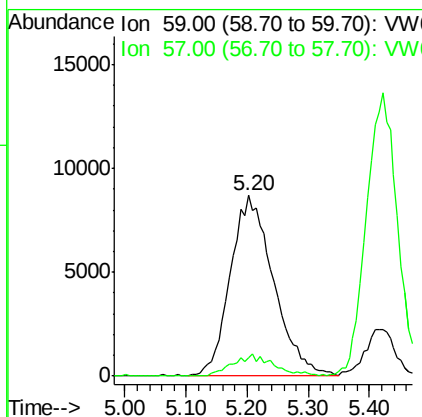
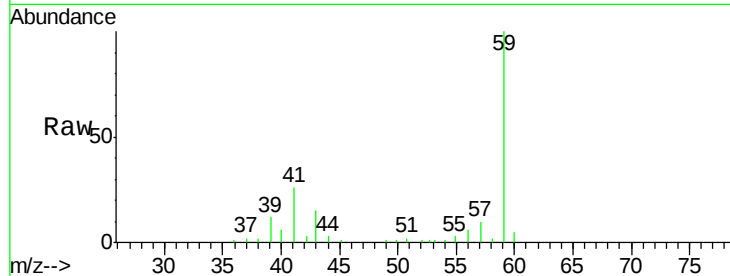
Tert butyl alcohol
 Concen: 257.780 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.4

Manual Integrations
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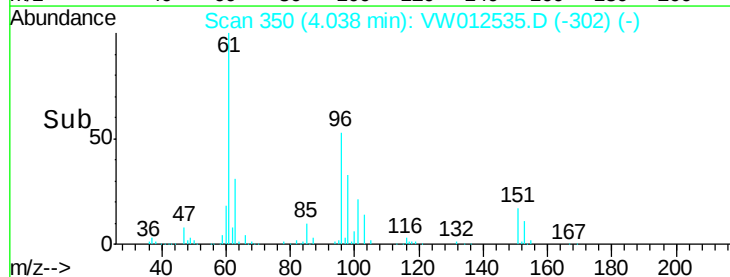
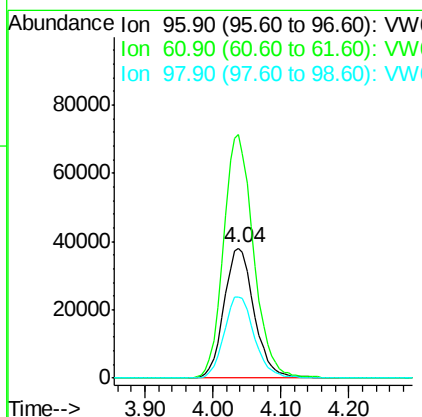
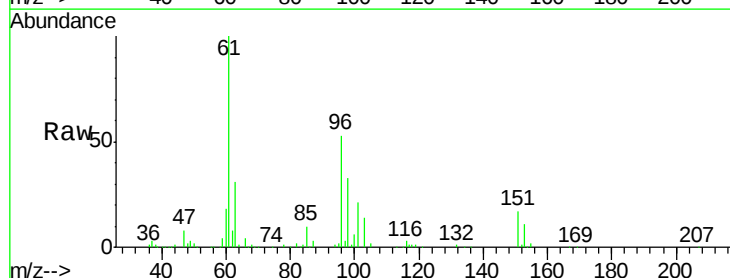
MMDadoda
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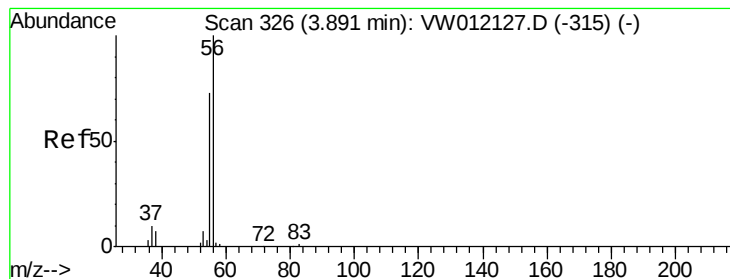


#12

1,1-Dichloroethene
 Concen: 50.531 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.4	149.1	223.7
98	62.2	49.4	74.2





#13

Acrolein

Concen: 217.181 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 33776

Ion Ratio Lower Upper

56 100

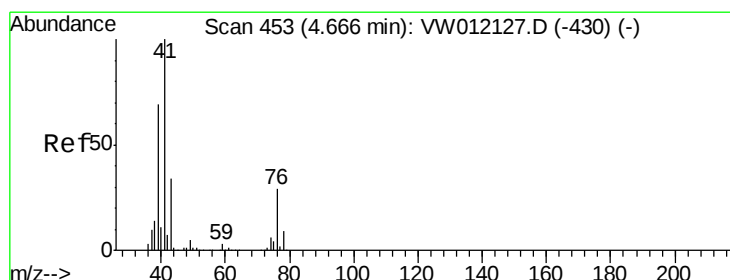
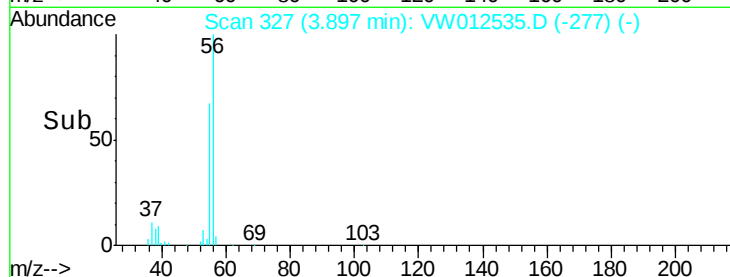
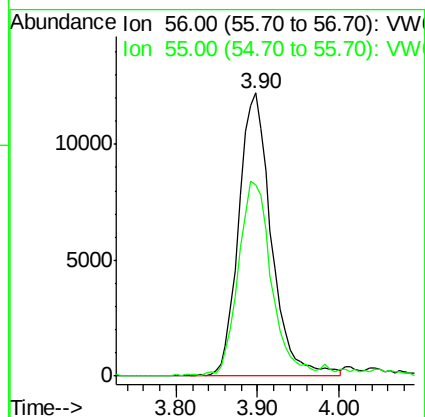
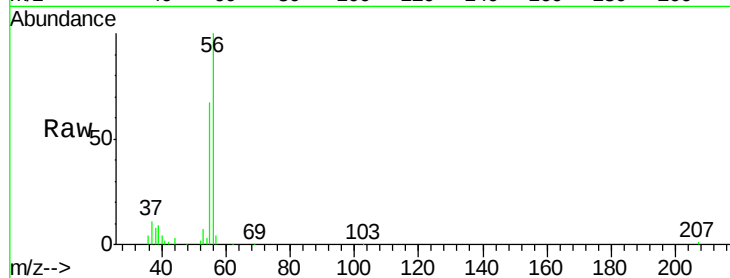
55 69.9 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 50.538 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

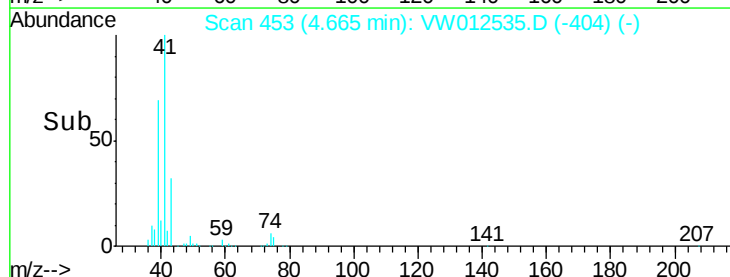
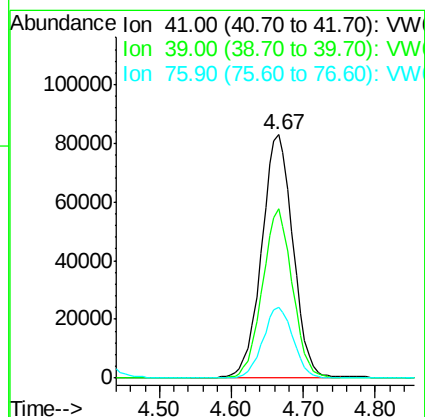
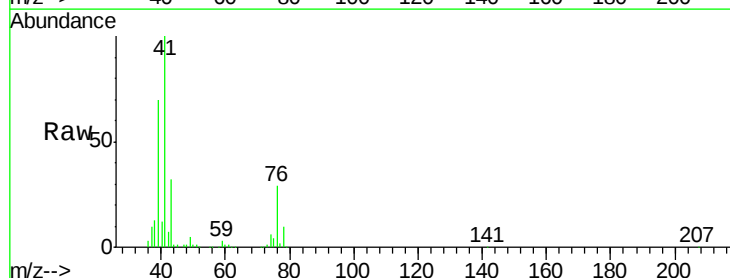
Tgt Ion: 41 Resp: 250277

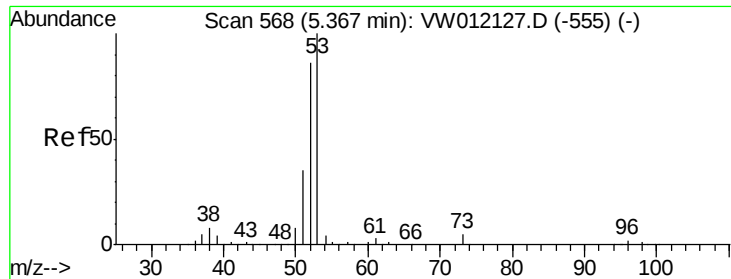
Ion Ratio Lower Upper

41 100

39 67.0 53.4 80.2

76 28.1 22.1 33.1





#15

Acrylonitrile

Concen: 250.767 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

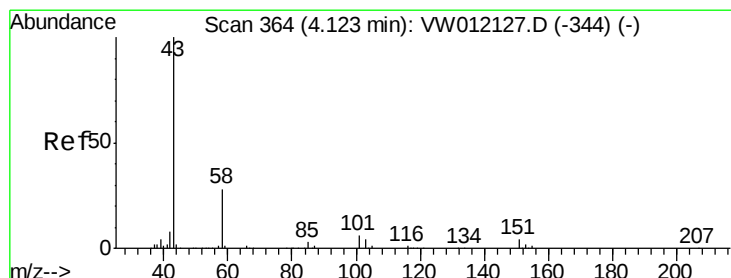
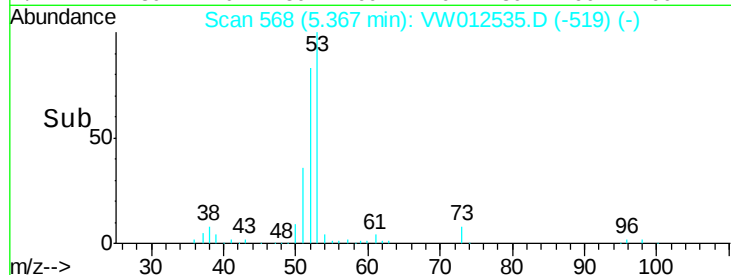
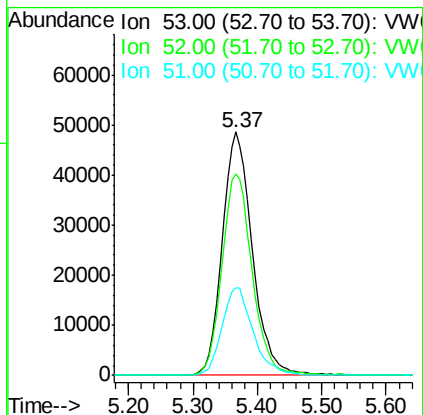
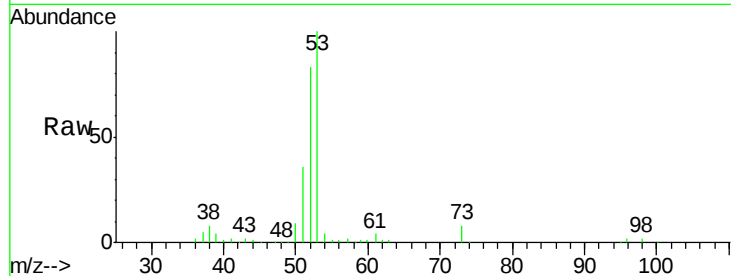
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	159744
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.7	100.1
51	37.4	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 271.275 ug/l

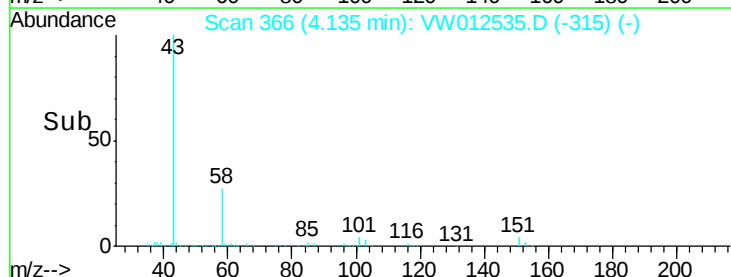
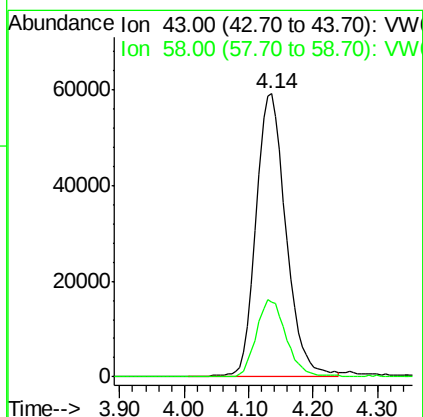
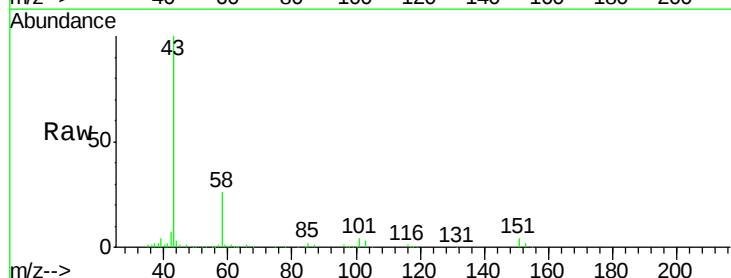
RT: 4.14 min Scan# 366

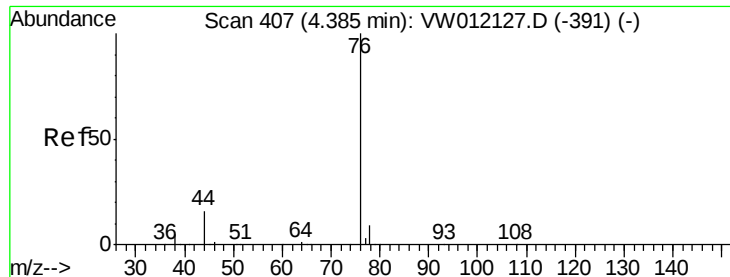
Delta R.T. 0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Tgt Ion:	43	Resp:	190373
Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.4	33.6





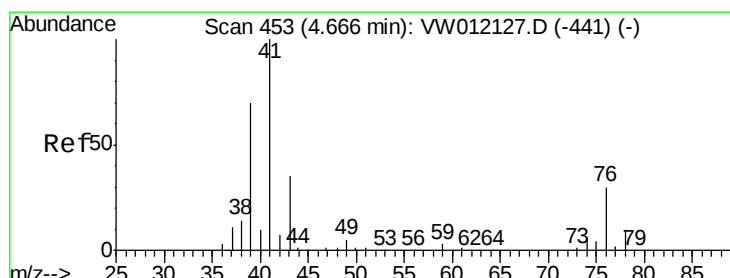
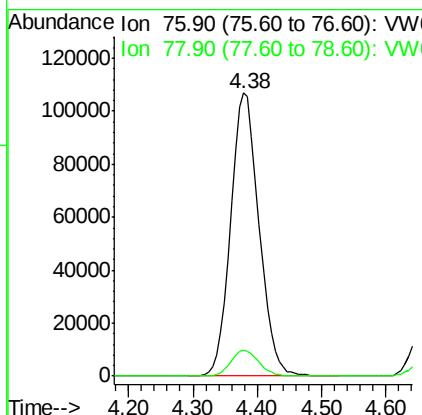
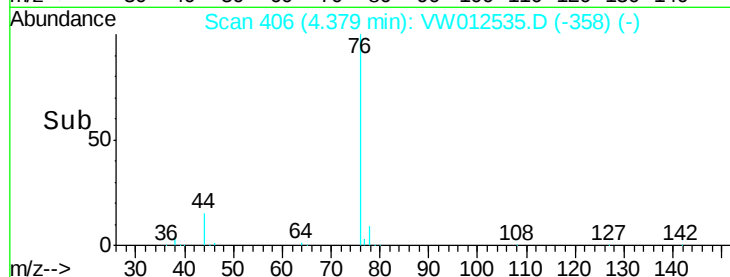
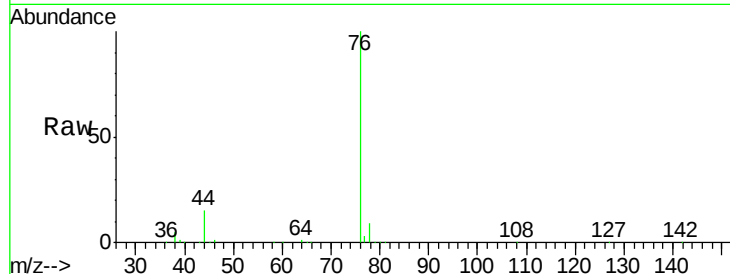
#17
Carbon Disulfide
Concen: 46.821 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

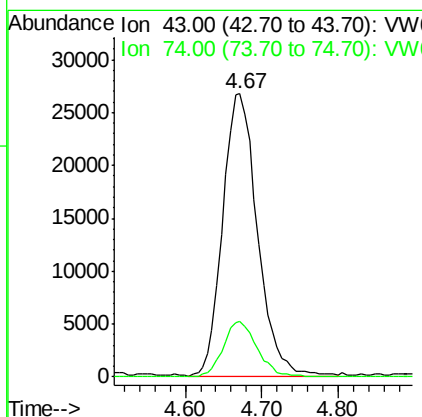
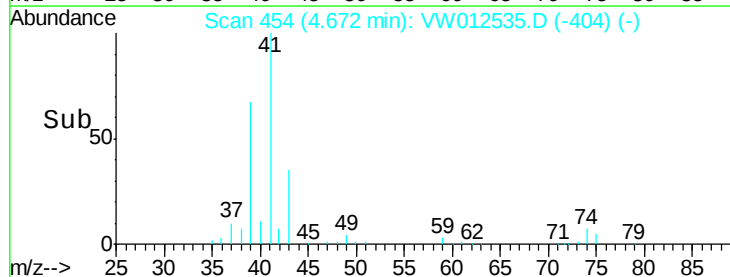
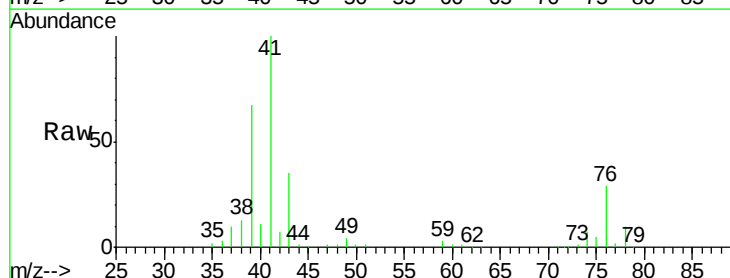
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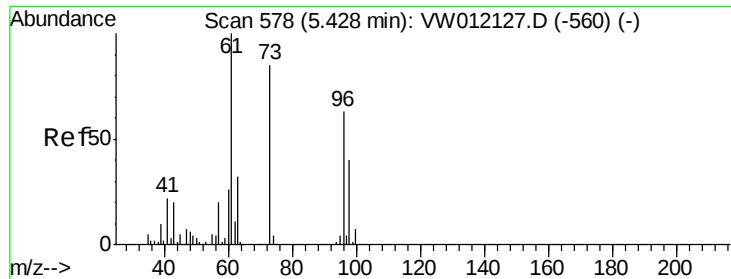
MMDadoda
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#18
Methyl Acetate
Concen: 48.157 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.7	23.5





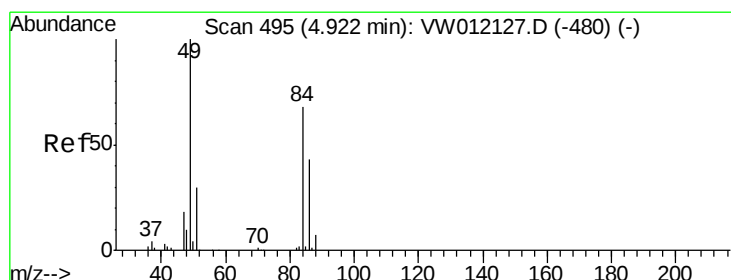
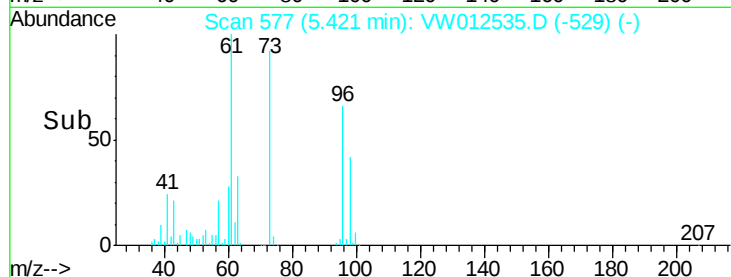
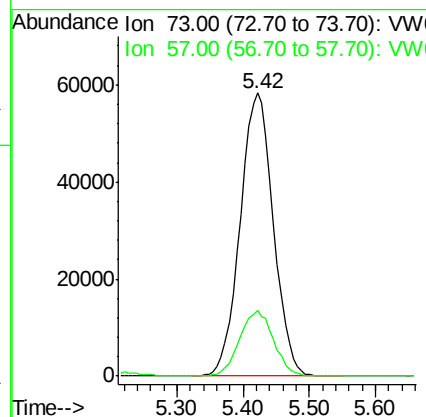
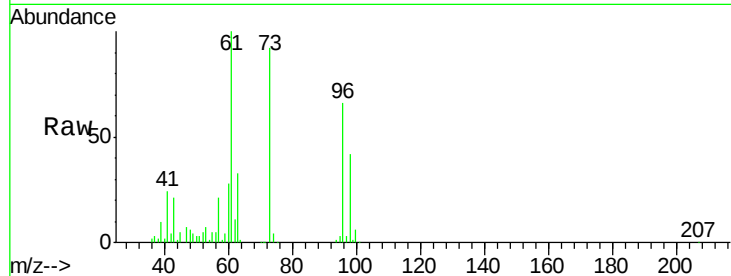
#19
Methvl tert-butvl Ether
Concen: 54.167 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.9	28.3

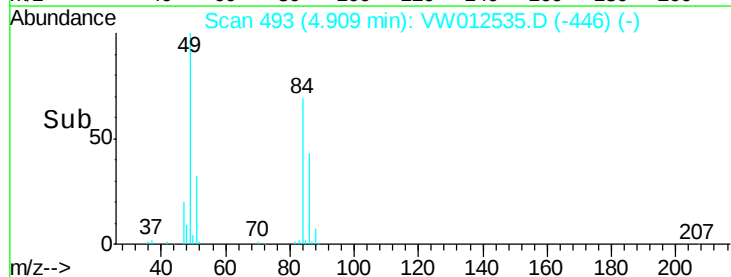
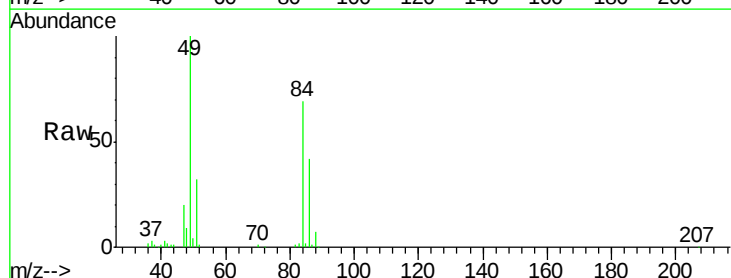
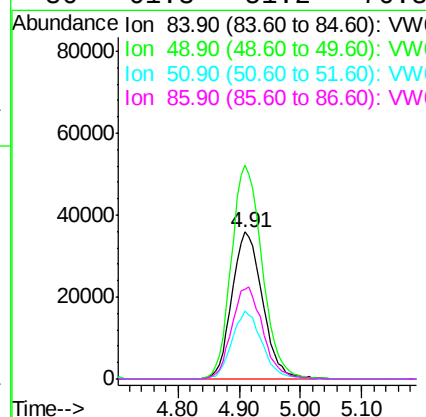
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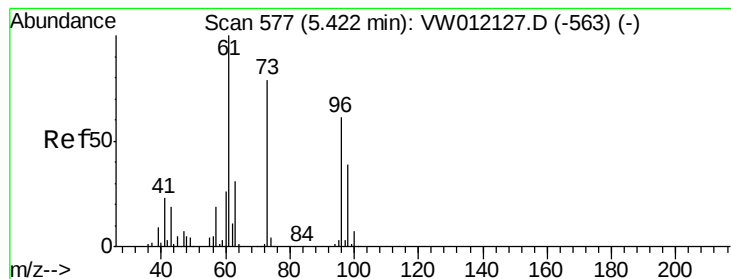
MMDadoda
9/4/2019 9:34:53 AM



#20
Methylene Chloride
Concen: 46.747 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.2	117.8	176.8
51	46.0	35.6	53.4
86	61.3	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 49.105 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 121980

Ion Ratio Lower Upper

96 100

61 152.6 131.4 197.0

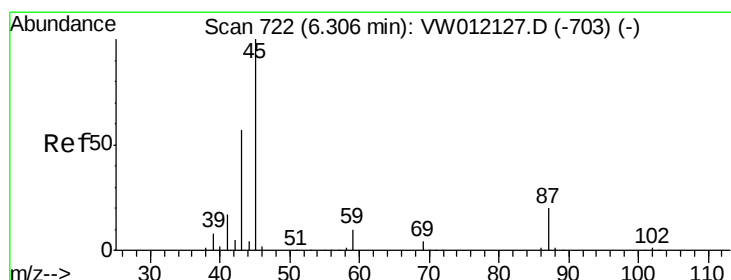
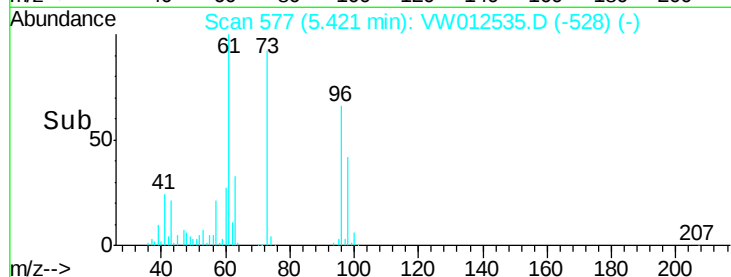
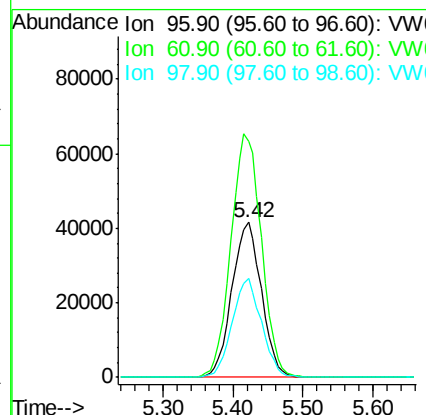
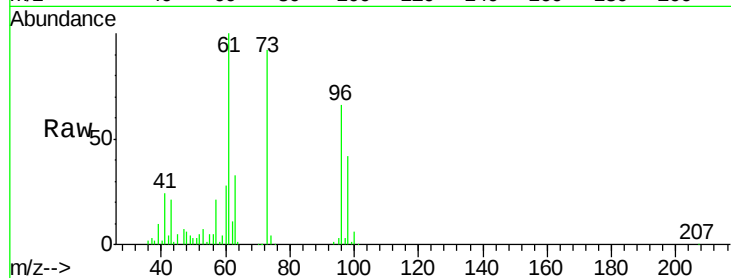
98 63.5 51.4 77.0

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#22

Diisopropyl ether

Concen: 49.868 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Tgt Ion: 45 Resp: 457761

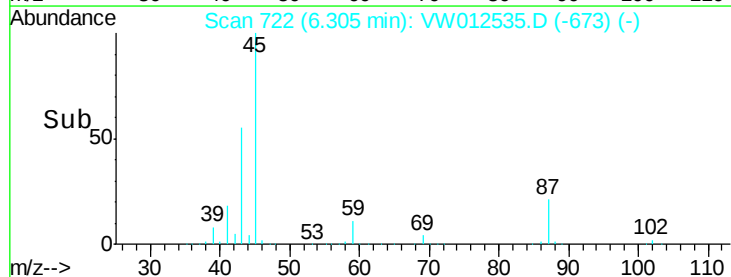
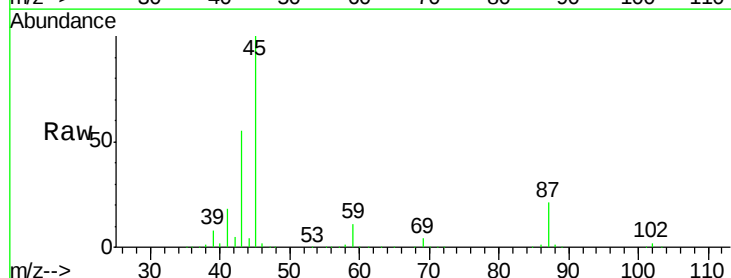
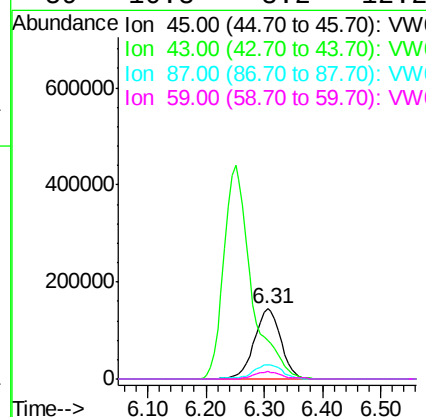
Ion Ratio Lower Upper

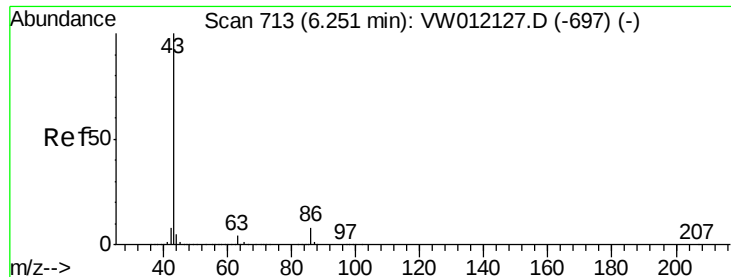
45 100

43 55.4 45.5 68.3

87 20.9 16.1 24.1

59 10.8 8.2 12.2





#23

Vinyl Acetate

Concen: 255.631 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1444119

Ion Ratio Lower Upper

43 100

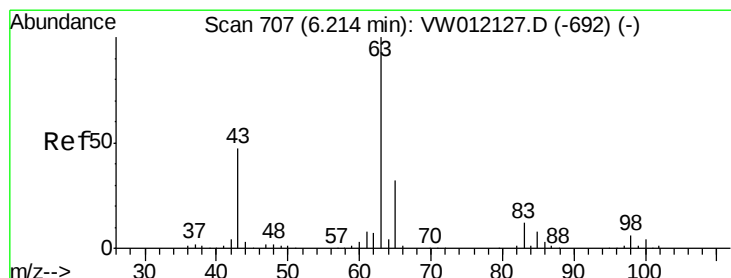
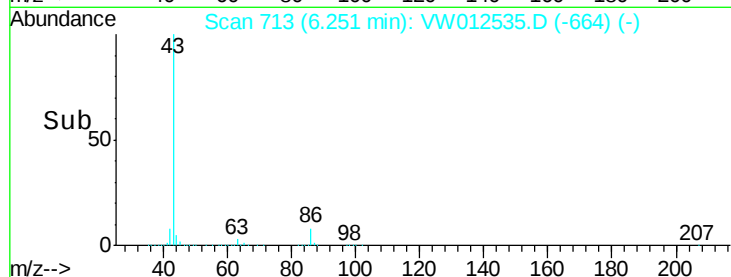
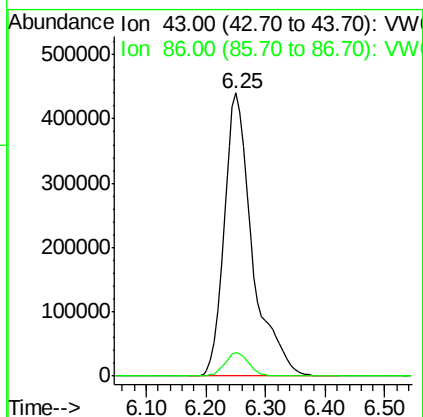
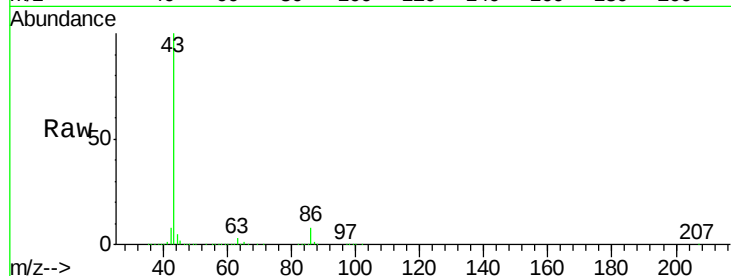
86 8.2 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 49.491 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

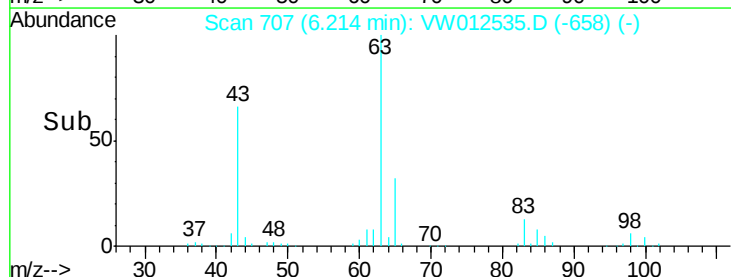
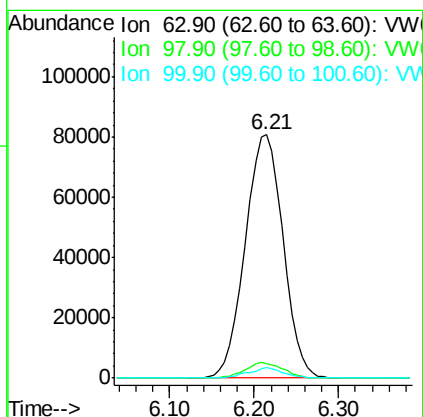
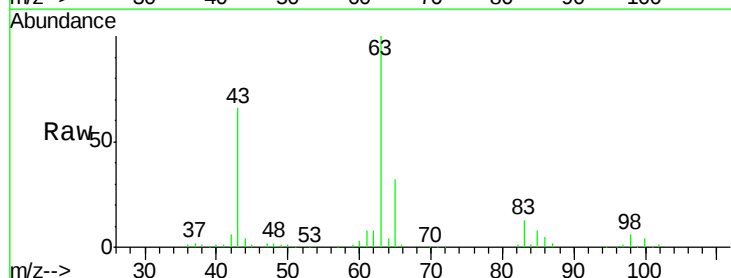
Tgt Ion: 63 Resp: 247361

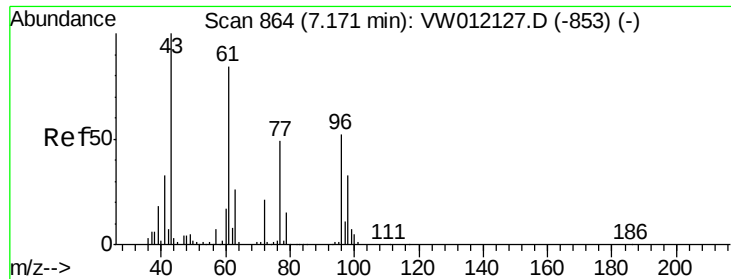
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 256.045 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 244171

Ion Ratio Lower Upper

43 100

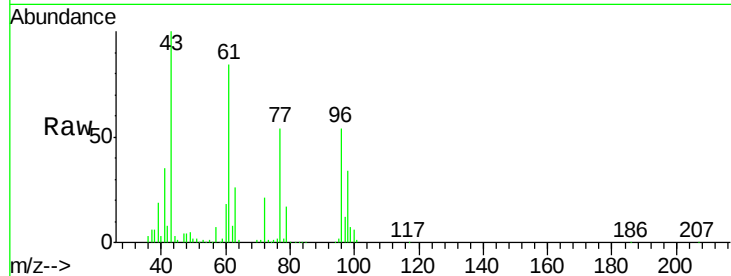
72 21.3 16.6 24.8

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

100000

80000

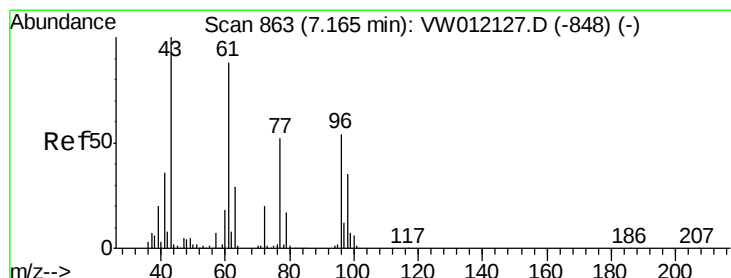
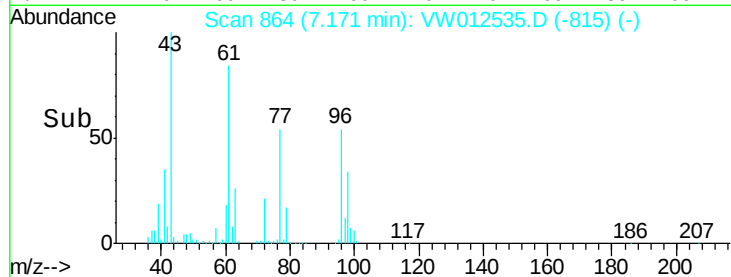
60000

40000

20000

0

Time--> 7.05 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 53.802 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012535.D

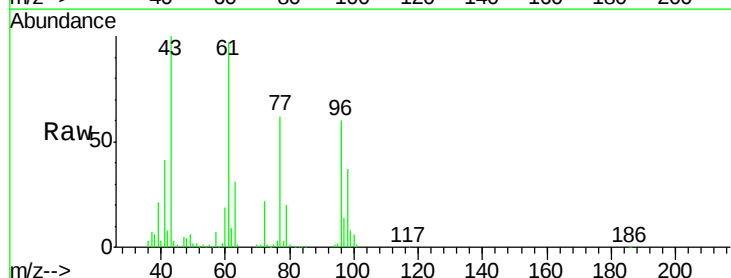
Acq: 03 Sep 2019 09:08

Tgt Ion: 77 Resp: 152206

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

7.17

60000

50000

40000

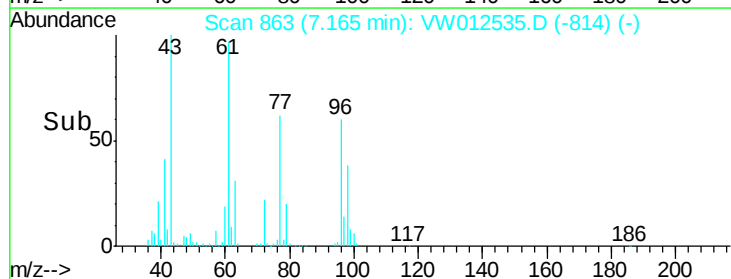
30000

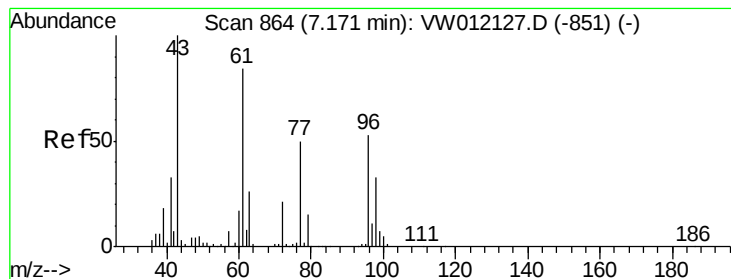
20000

10000

0

Time--> 7.00 7.10 7.20 7.30





#27

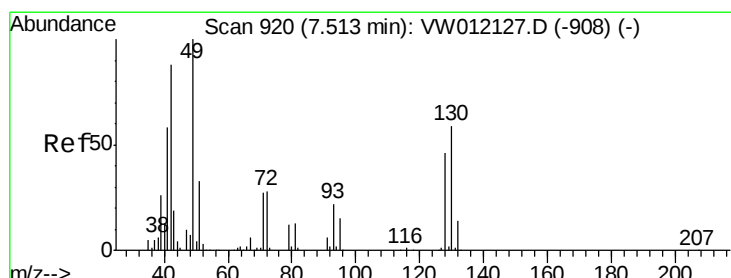
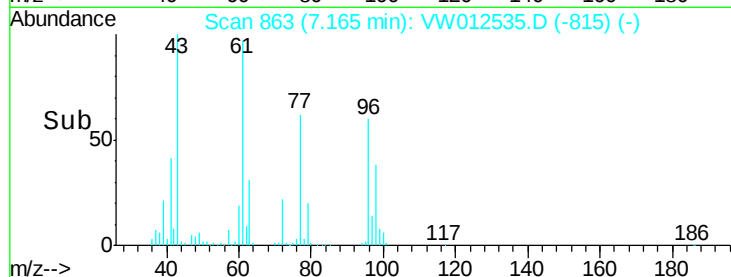
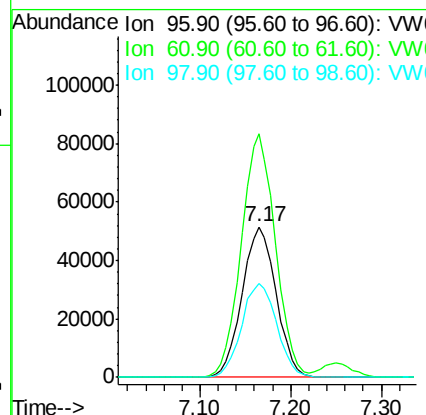
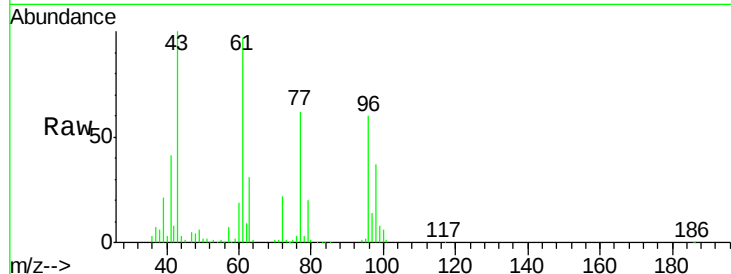
cis-1,2-Dichloroethene
Concen: 50.597 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134285		
61	161.6	0.0	326.6	
98	64.1	0.0	127.4	

Manual Integrations
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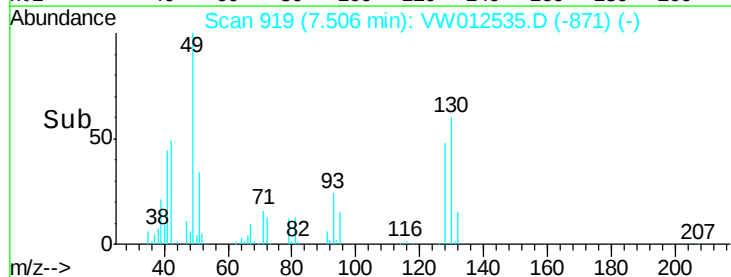
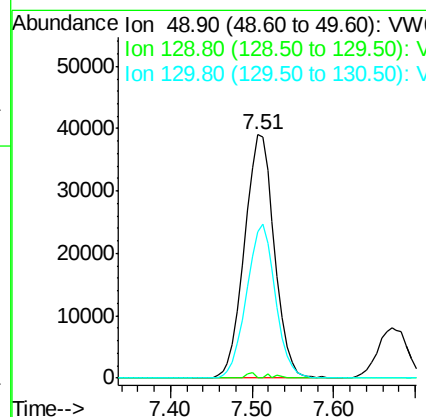
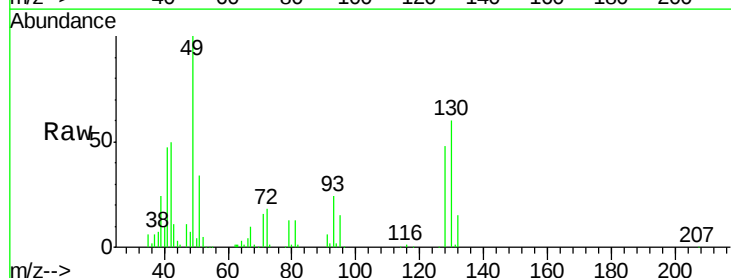
MMDadoda
9/4/2019 9:34:53 AM

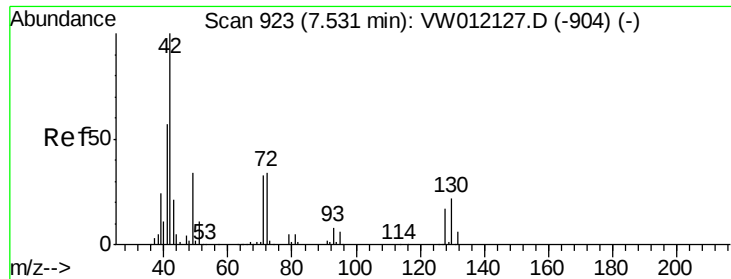


#28

Bromochloromethane
Concen: 45.535 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99195		
129	0.5	0.0	1.4	
130	0.0	45.5	68.3#	





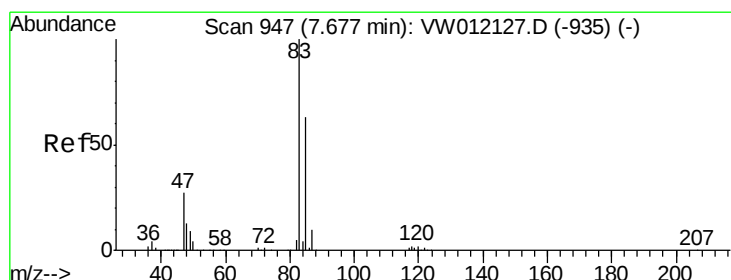
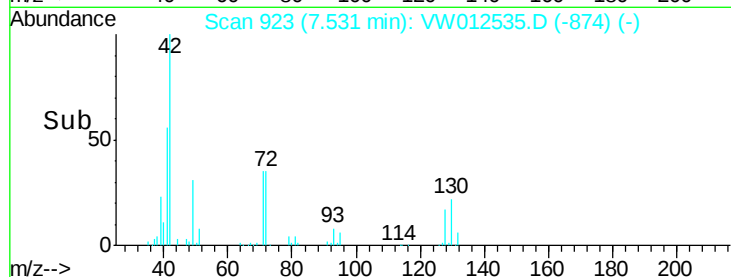
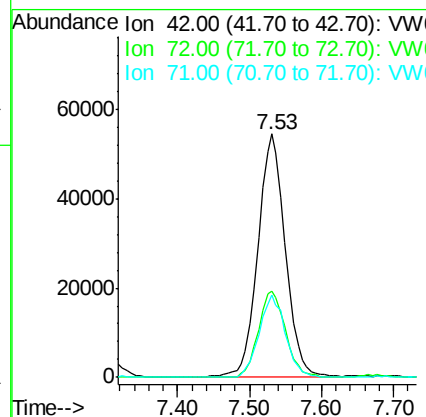
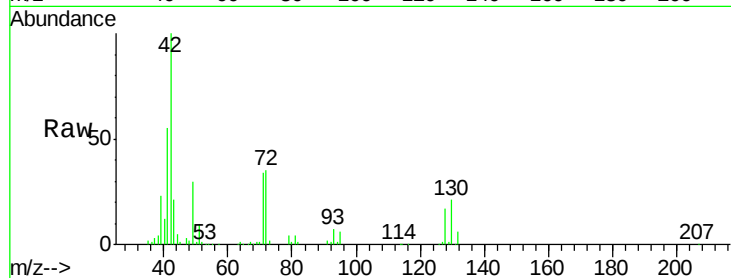
#29
Tetrahydrofuran
Concen: 252.279 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	27.3	40.9
71	32.6	25.5	38.3

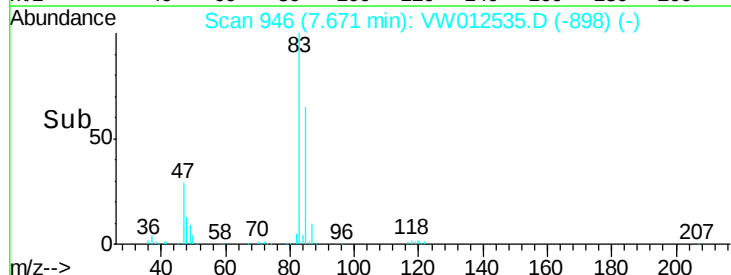
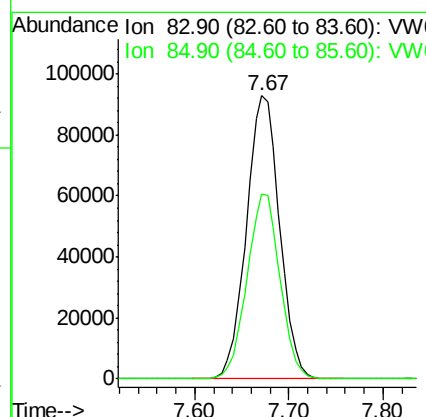
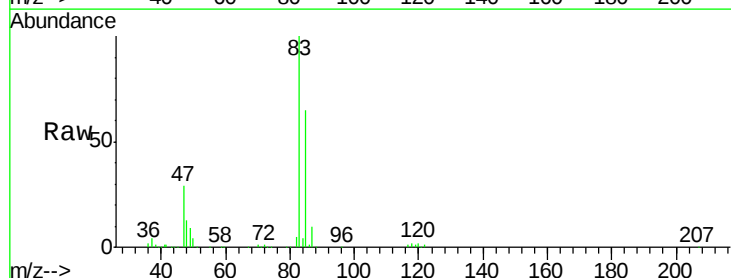
Manual Integrations
APPROVED

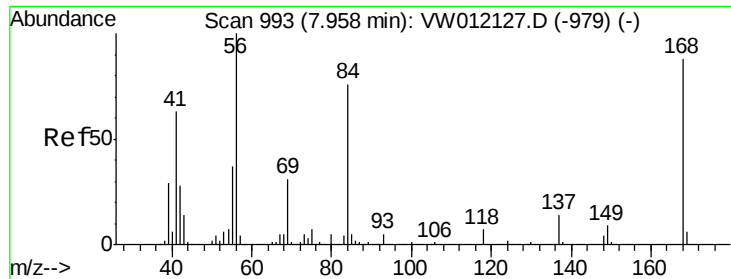
MMDadoda
9/4/2019 9:34:53 AM



#30
Chloroform
Concen: 50.067 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.6	76.0





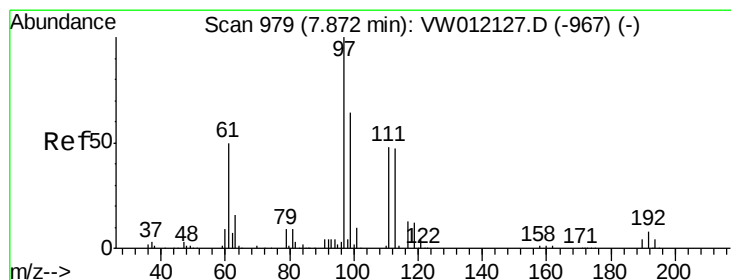
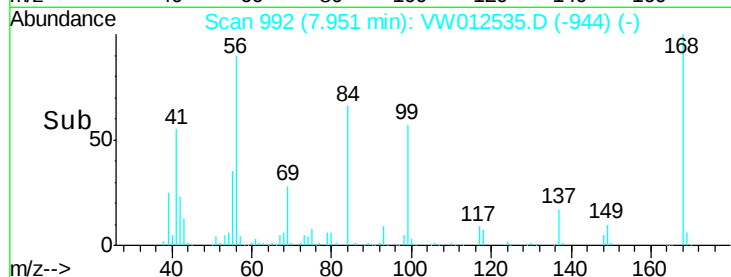
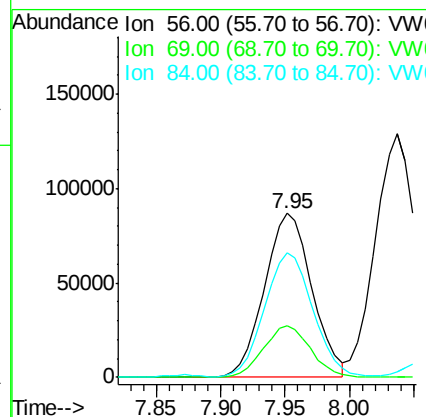
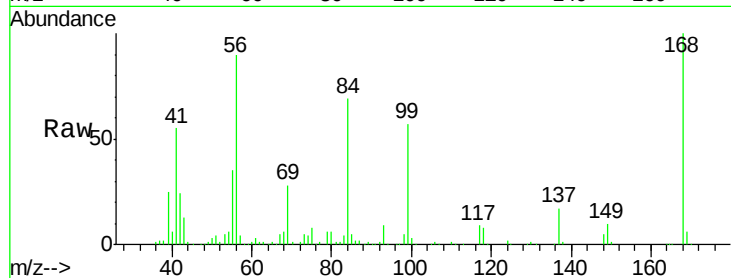
#31
Cyclohexane
Concen: 45.075 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.9	37.3
84	75.2	60.6	90.8

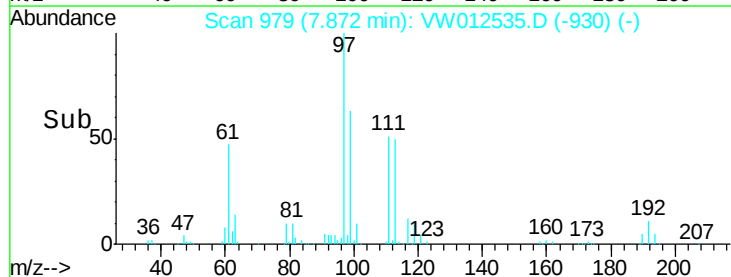
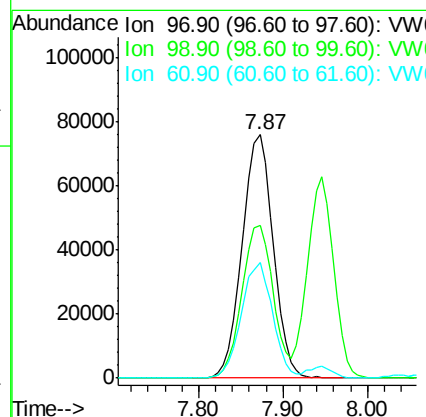
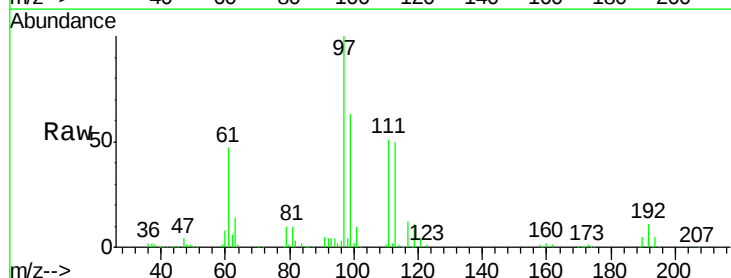
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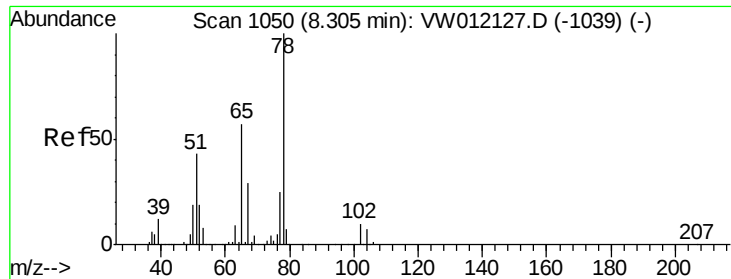
MMDadoda
9/4/2019 9:34:53 AM



#32
1,1,1-Trichloroethane
Concen: 52.154 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	47.5	39.5	59.3





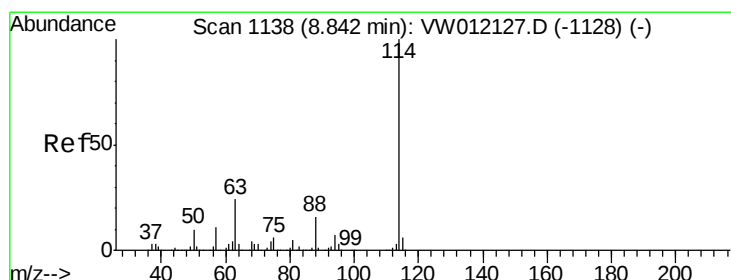
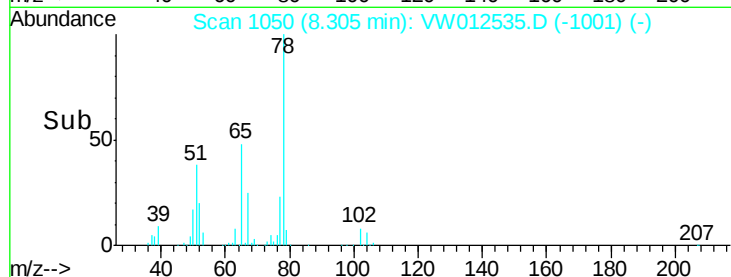
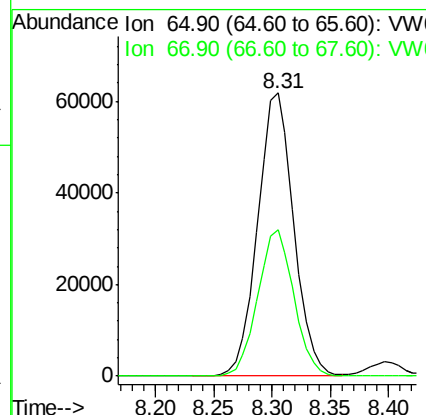
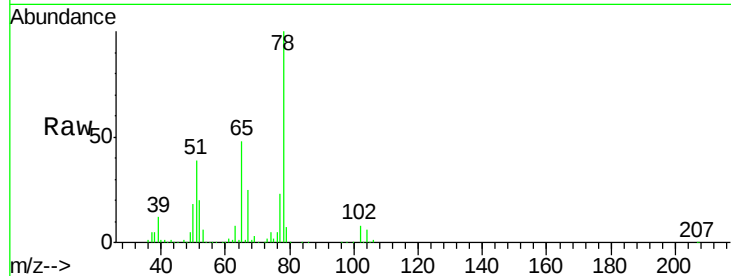
#33
 1,2-Dichloroethane-d4
 Concen: 48.556 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.6

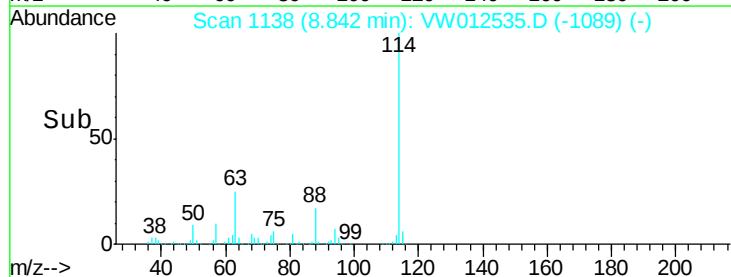
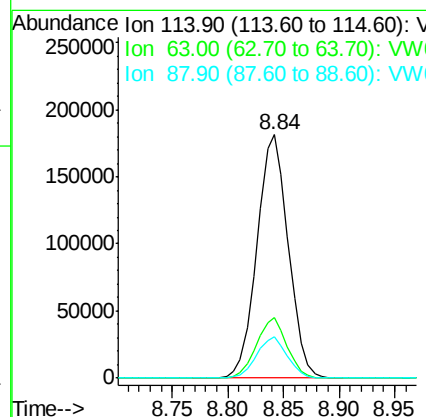
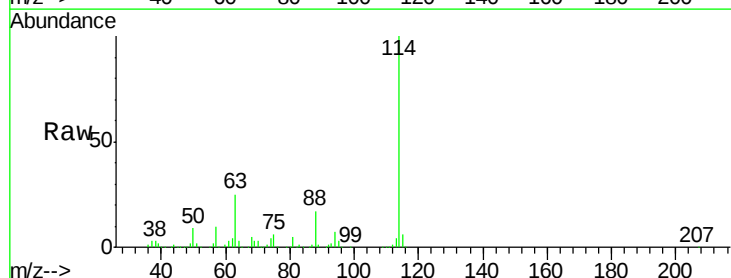
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 9/4/2019 9:34:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	48.6
88	16.8	0.0	32.2





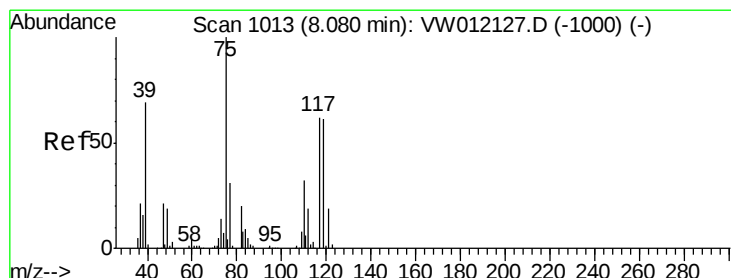
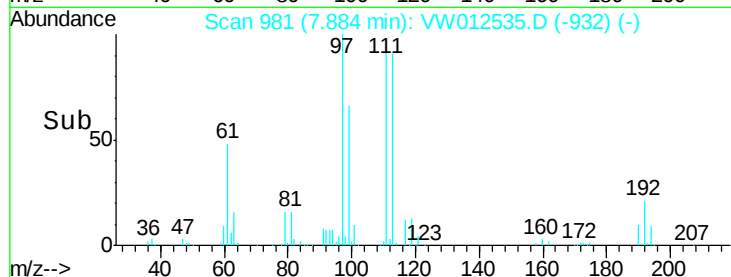
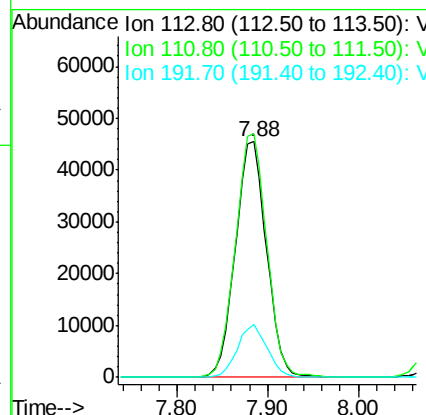
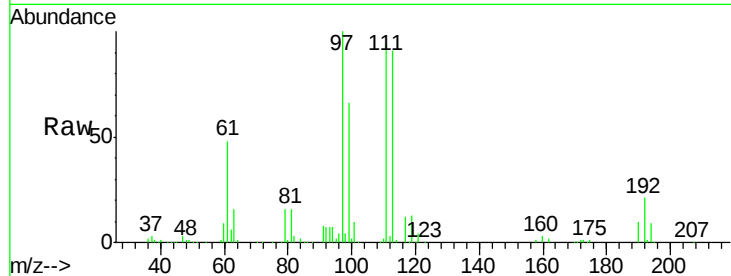
#35
 Dibromofluoromethane
 Concen: 51.125 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108245		
111	104.2	82.7	124.1	
192	21.3	16.2	24.2	

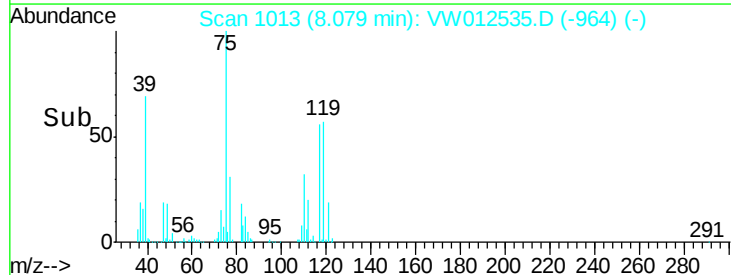
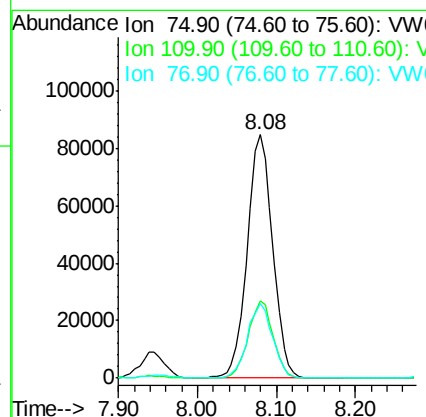
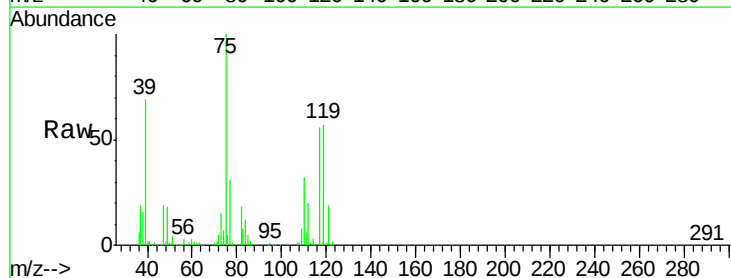
Manual Integrations
 APPROVED

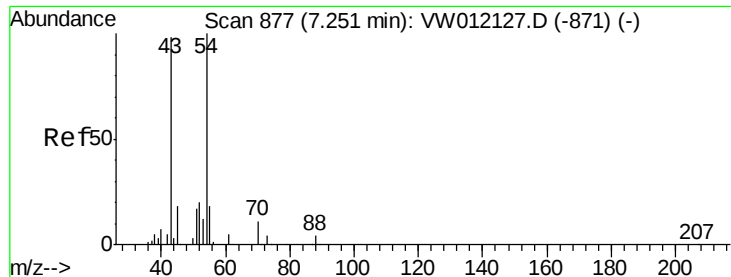
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 9/4/2019 9:34:53 AM



#36
 1,1-Dichloropropene
 Concen: 51.790 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	189837		
110	31.1	15.6	46.8	
77	30.5	24.6	36.8	





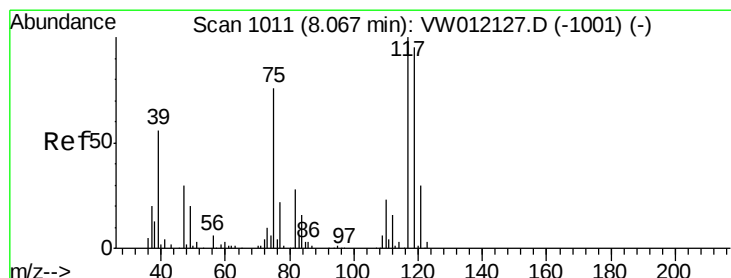
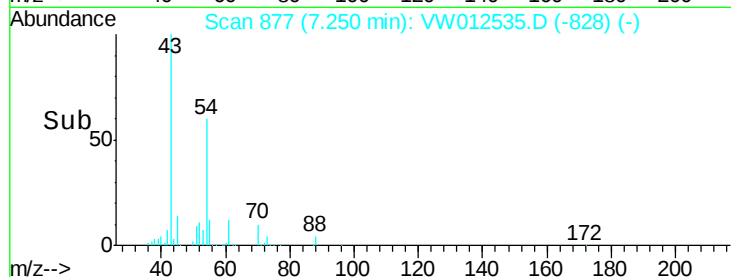
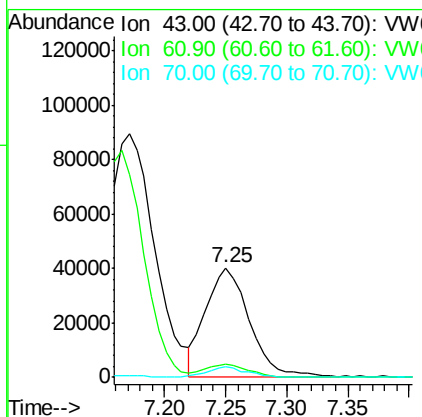
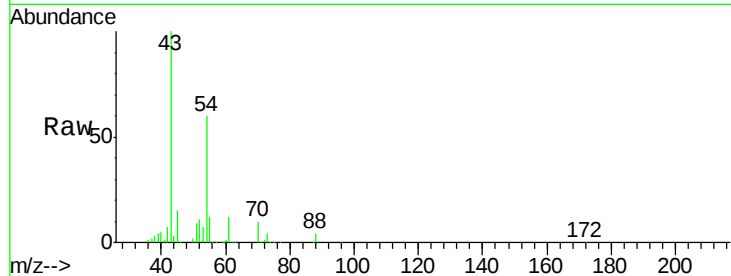
#37
Ethyl Acetate
Concen: 49.426 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.2	13.8
70	9.0	6.9	10.3

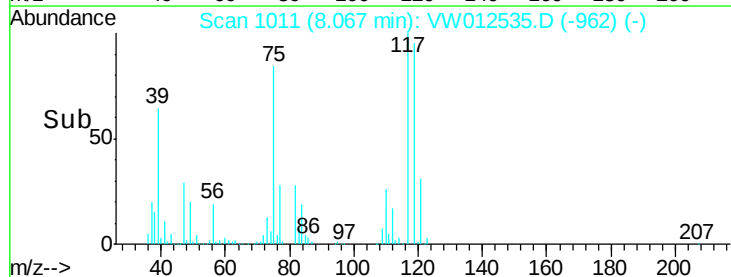
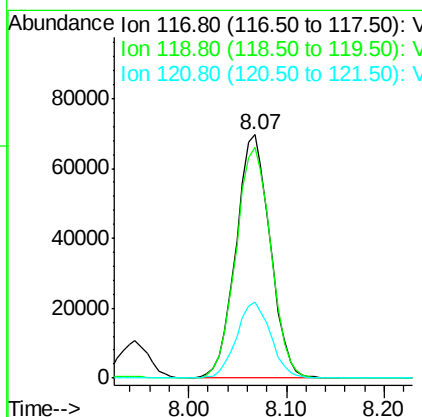
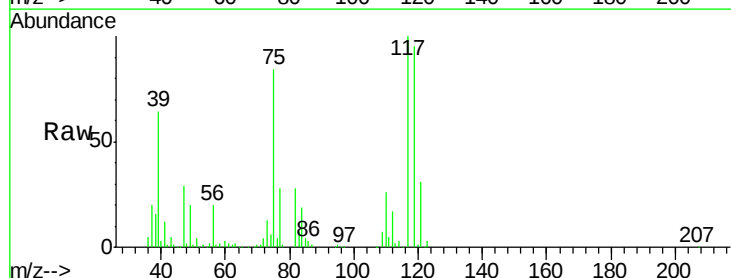
Manual Integrations
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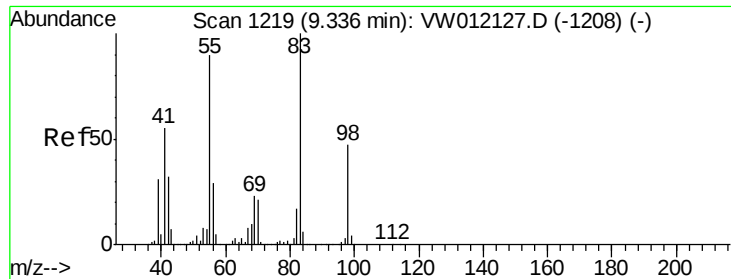
MMDadoda
9/4/2019 9:34:53 AM



#38
Carbon Tetrachloride
Concen: 53.237 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.2	114.2
121	31.2	23.8	35.8





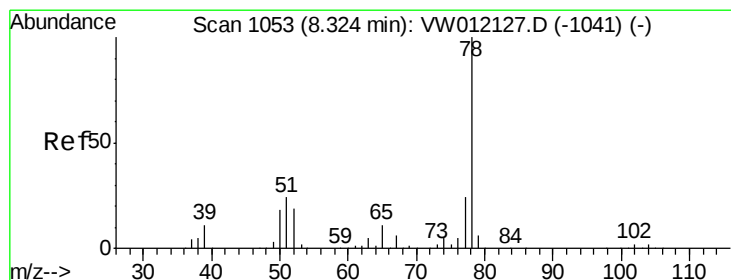
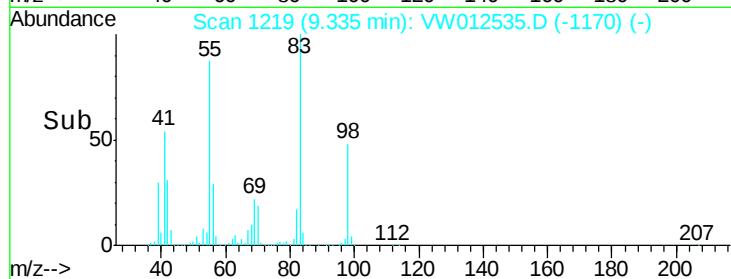
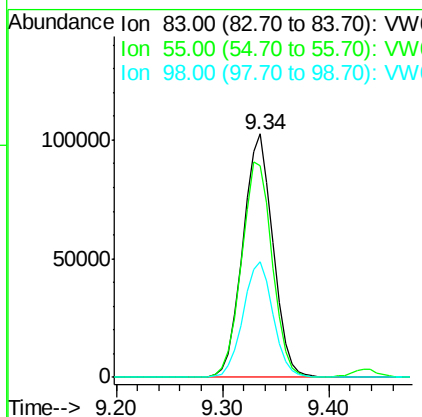
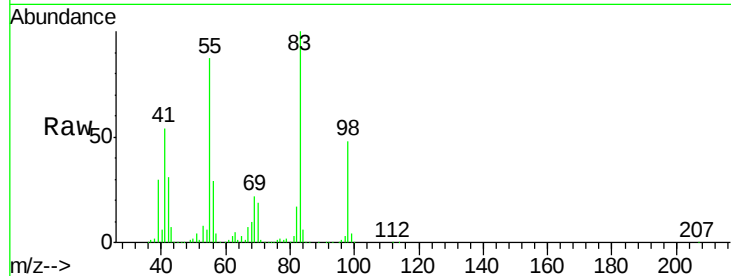
#39
Methvlcvclohexane
Concen: 49.651 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	71.8	107.8
98	47.7	37.8	56.8

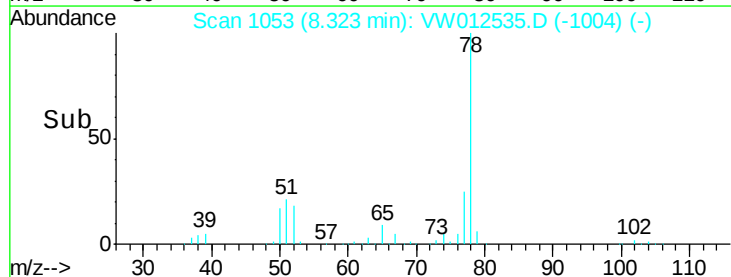
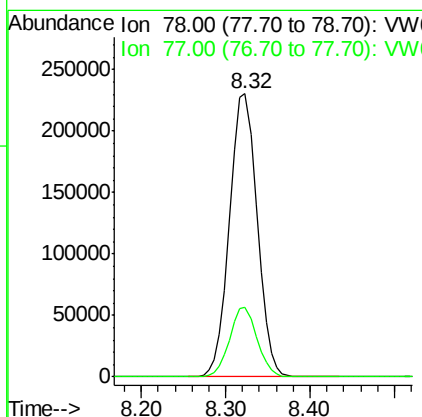
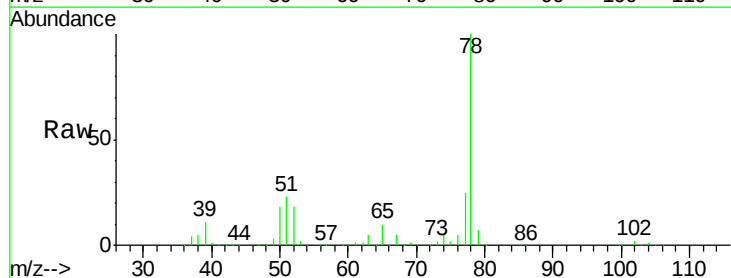
Manual Integrations
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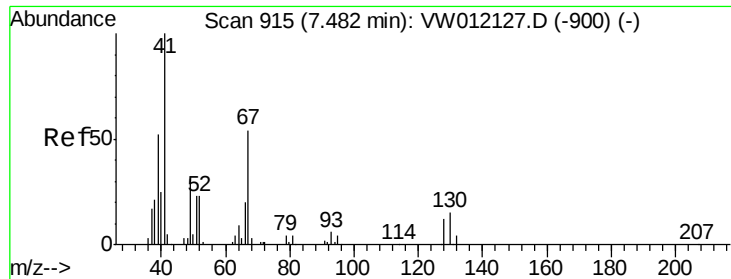
MMDadoda
9/4/2019 9:34:53 AM



#40
Benzene
Concen: 51.115 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.5	29.3





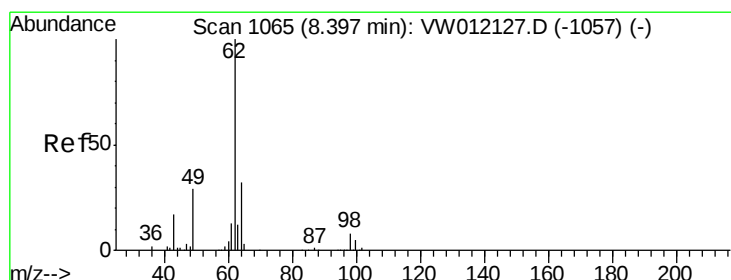
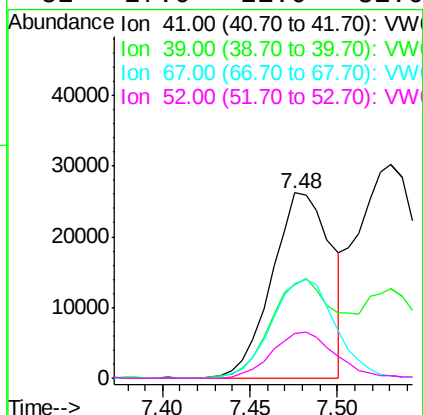
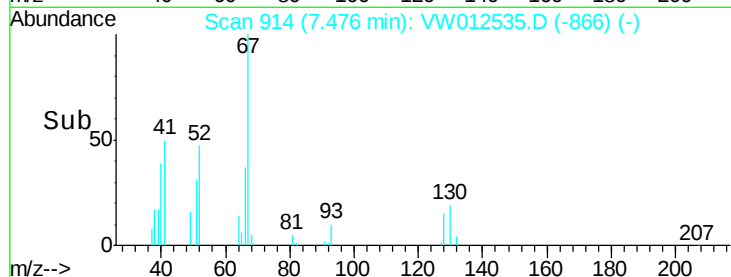
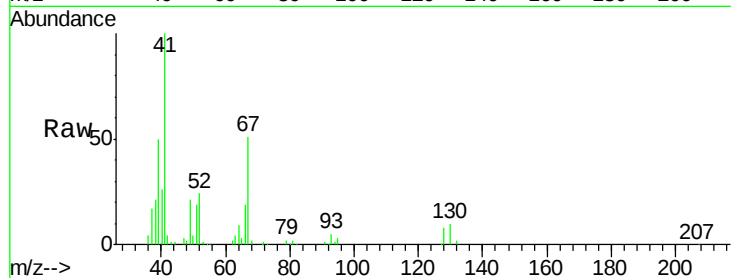
#41
Methacrylonitrile
Concen: 52.172 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	61591
Ion	Ratio	Lower	Upper
41	100		
39	53.9	45.8	68.8
67	58.1	46.2	69.4
52	27.0	21.0	31.6

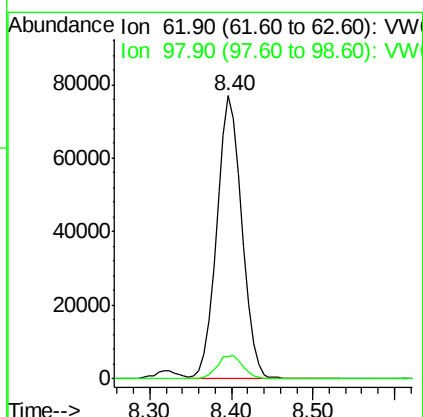
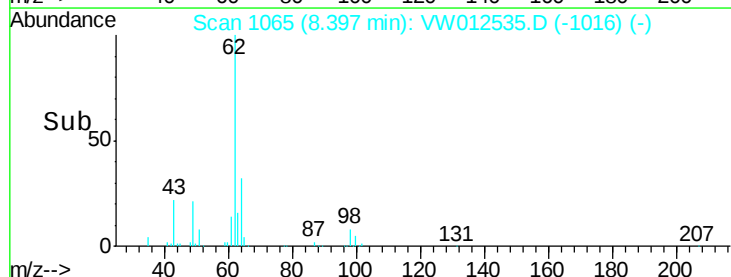
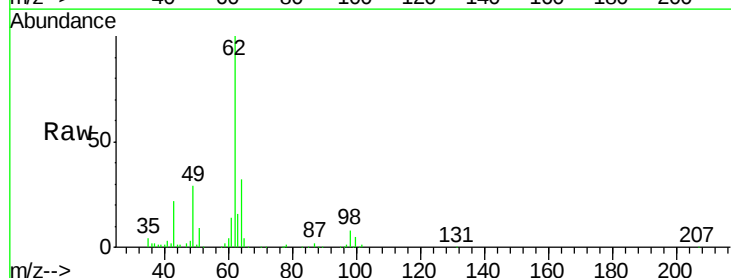
Manual Integrations
APPROVED

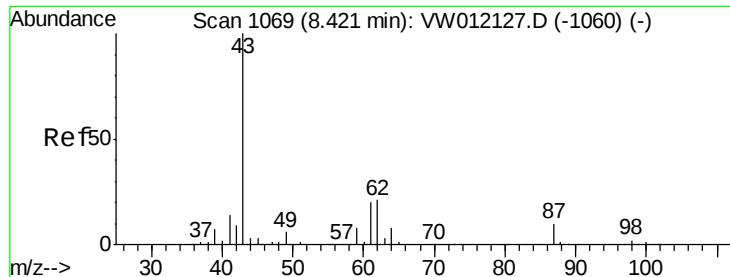
MMDadoda
9/4/2019 9:34:53 AM



#42
1,2-Dichloroethane
Concen: 52.477 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	62	Resp	164615
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





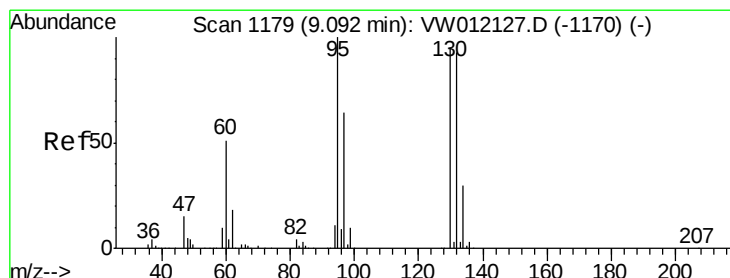
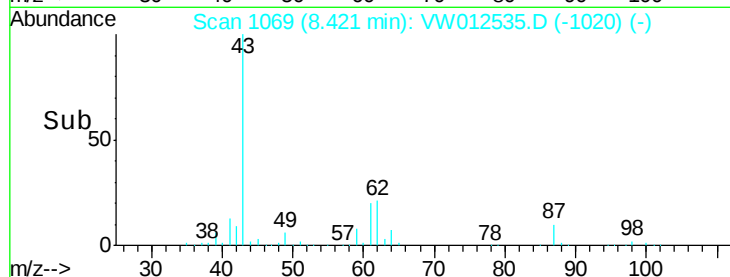
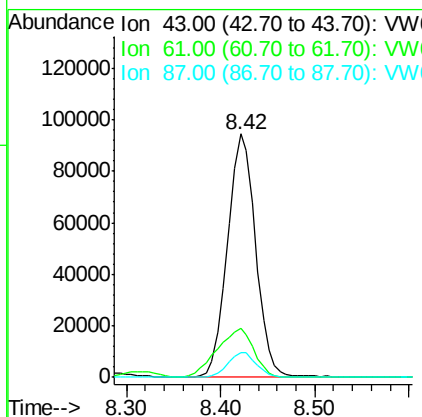
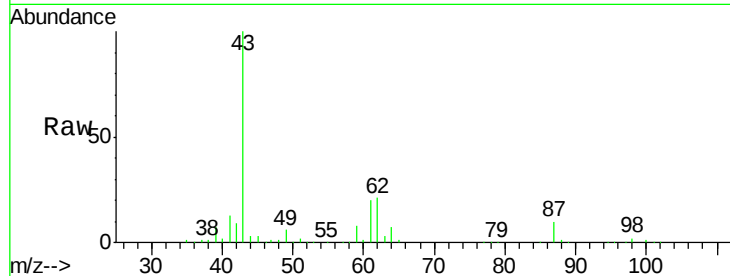
#43
Isopropyl Acetate
Concen: 52.489 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.1	31.7
87	10.4	8.2	12.2

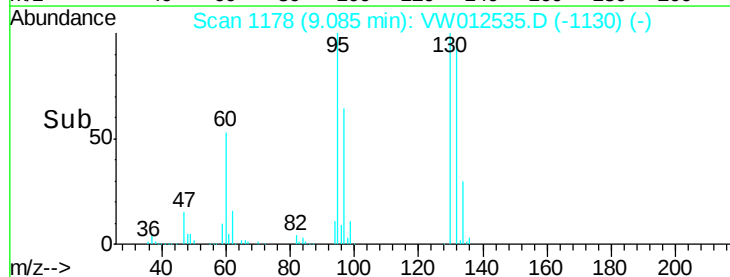
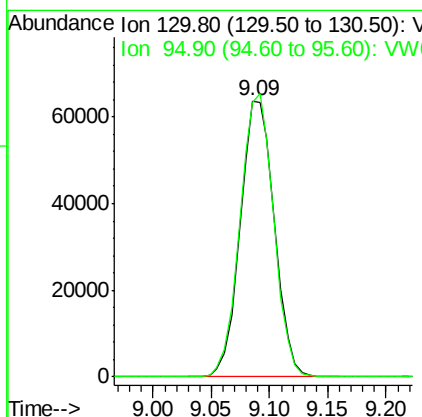
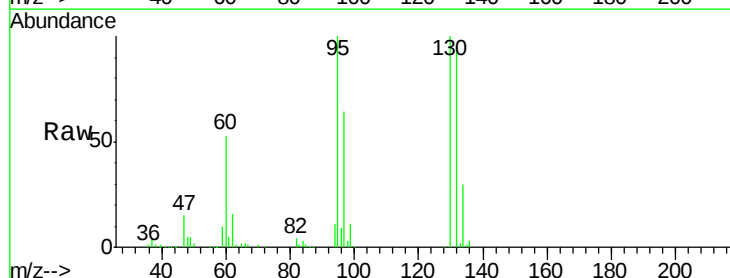
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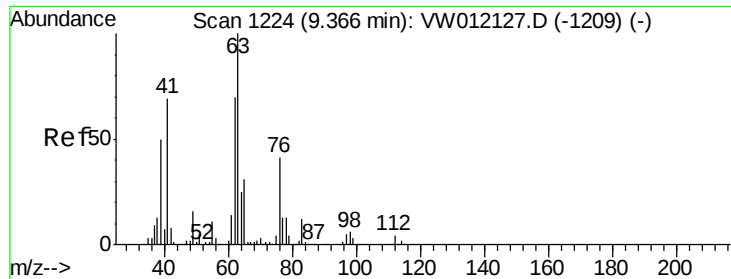
MMDadoda
9/4/2019 9:34:53 AM



#44
Trichloroethene
Concen: 53.498 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	210.6





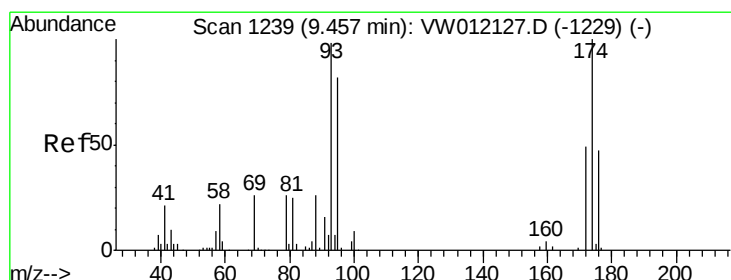
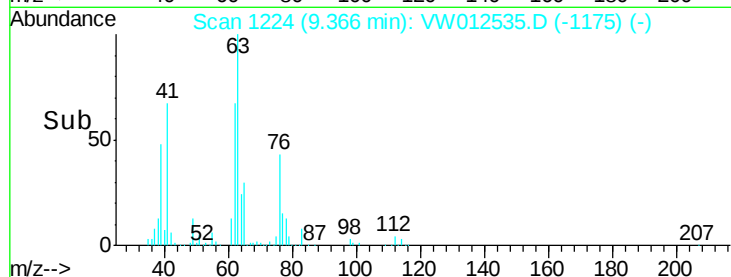
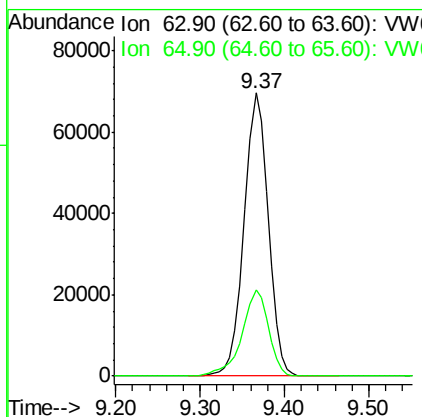
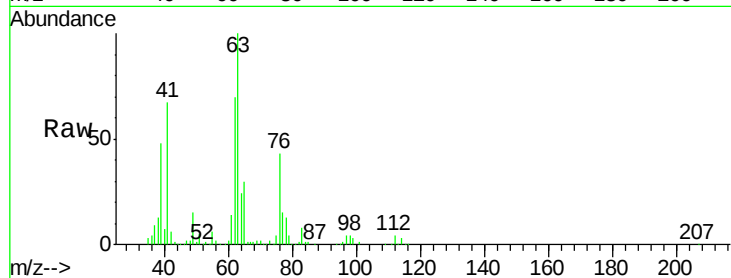
#45
 1,2-Dichloropropane
 Concen: 49.881 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.0	37.4

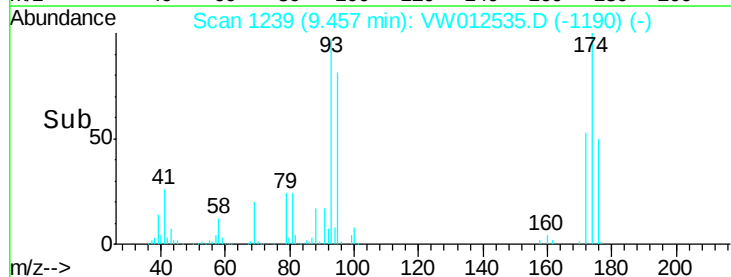
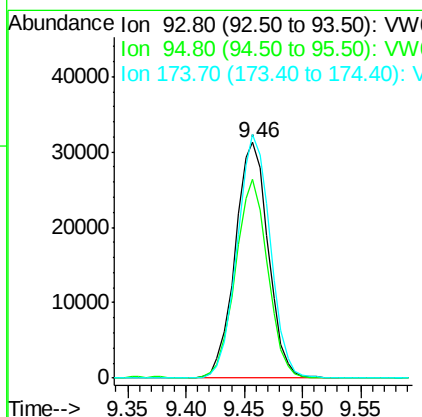
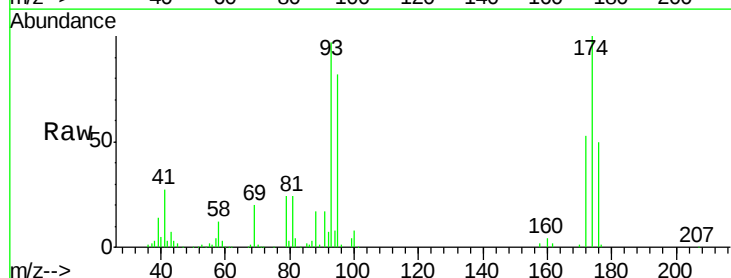
Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 9:34:53 AM



#46
 Dibromomethane
 Concen: 51.648 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	67.2	100.8
174	103.0	79.0	118.6





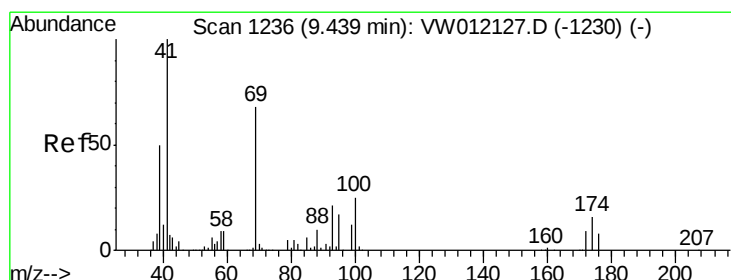
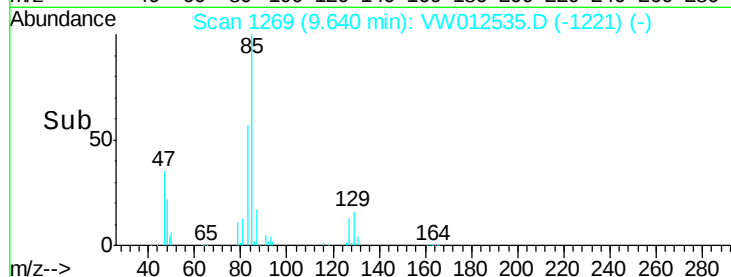
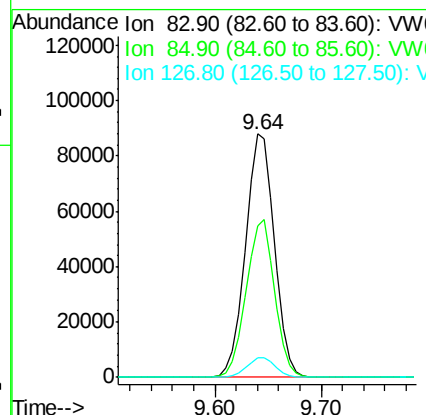
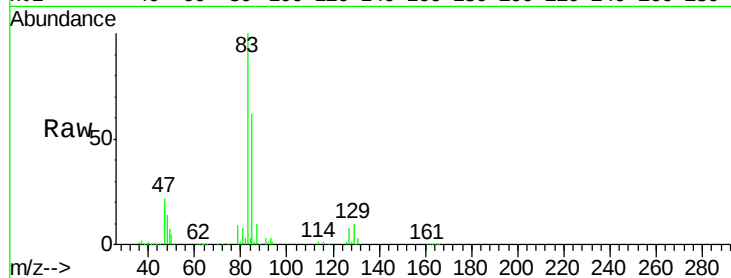
#47
Bromodichloromethane
Concen: 52.586 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.4	74.2
127	8.0	6.1	9.1

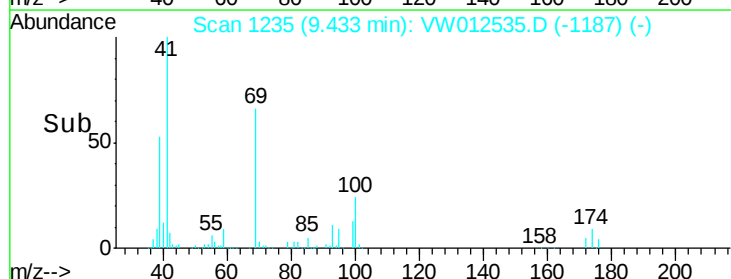
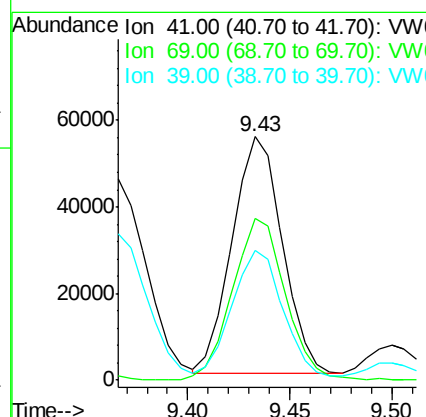
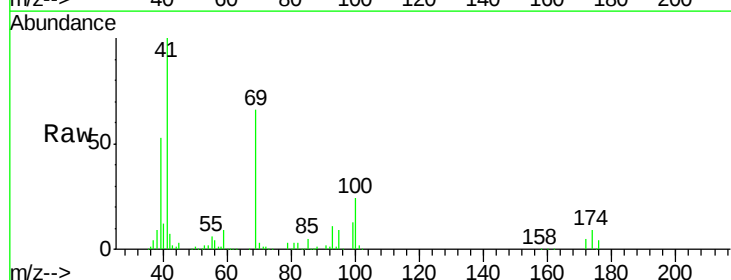
Manual Integrations
APPROVED

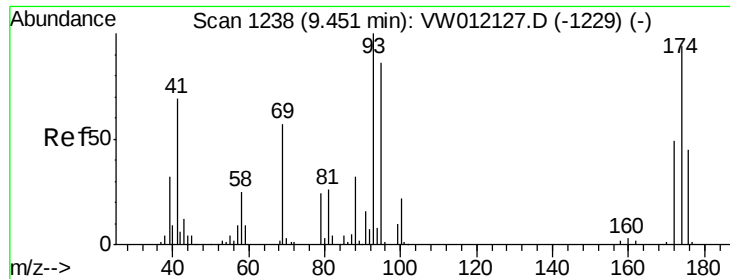
MMDadoda
9/4/2019 9:34:53 AM



#48
Methyl methacrylate
Concen: 52.831 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.8	56.7	85.1
39	52.8	42.0	63.0





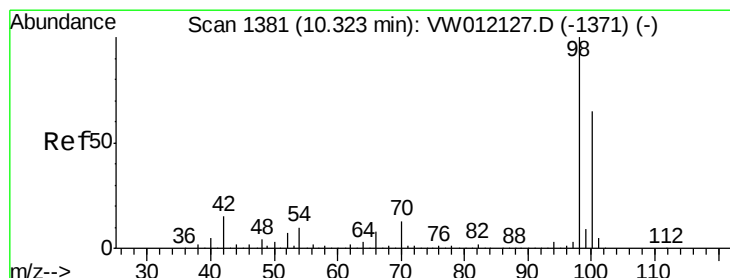
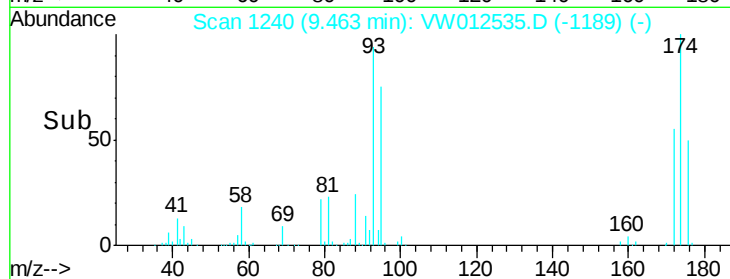
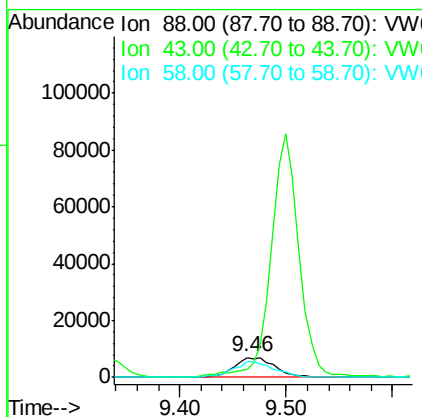
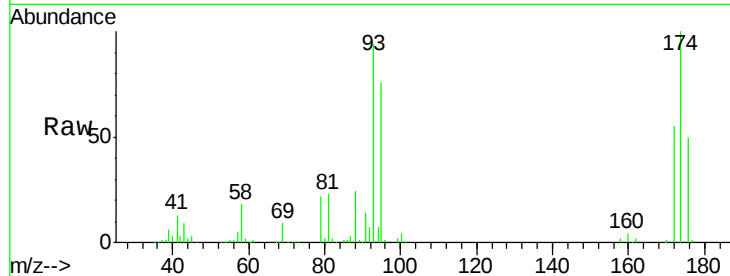
#49
1,4-Dioxane
Concen: 999.796 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	18344
Ion Ratio	Lower	Upper	
88	100		
43	0.0	32.9	49.3#
58	84.4	71.0	106.4

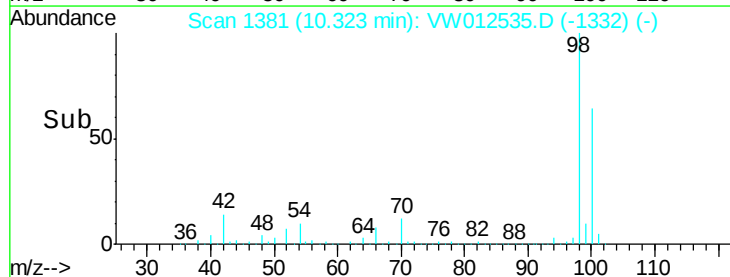
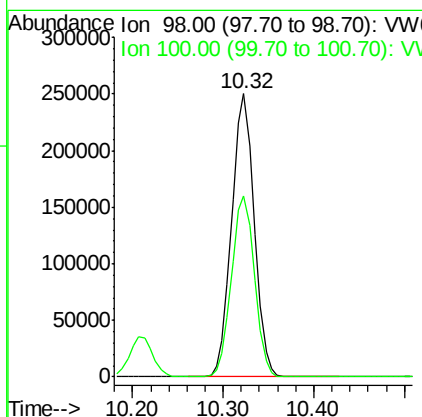
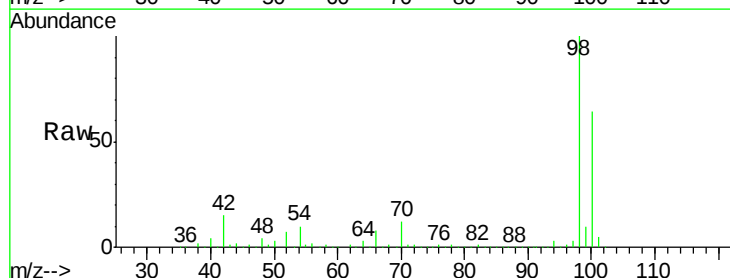
Manual Integrations
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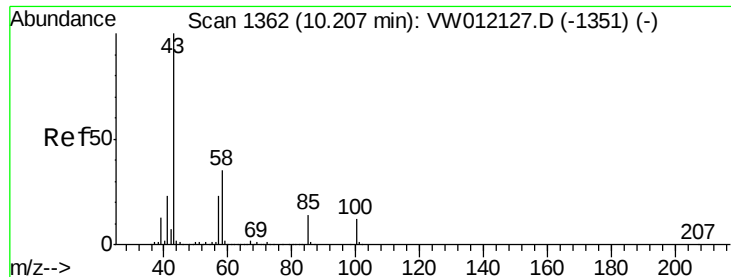
MMDadoda
9/4/2019 9:34:53 AM



#50
Toluene-d8
Concen: 50.389 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	98	Resp	432587
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 263.562 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 498771

Ion Ratio Lower Upper

43 100

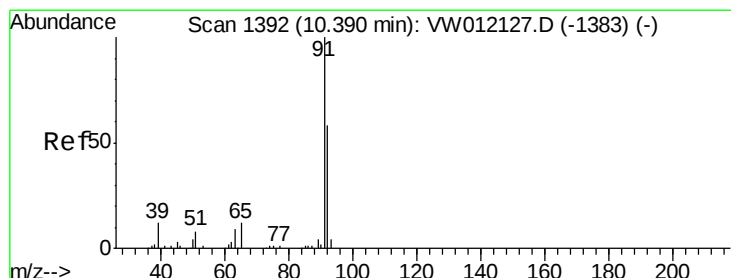
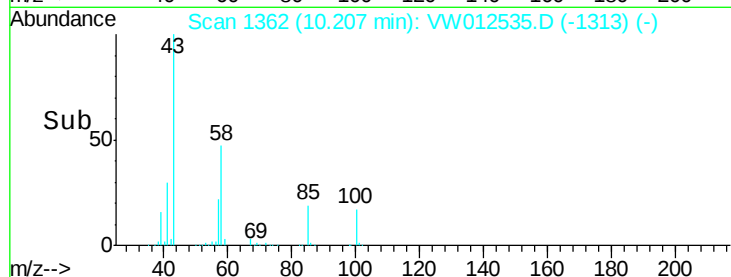
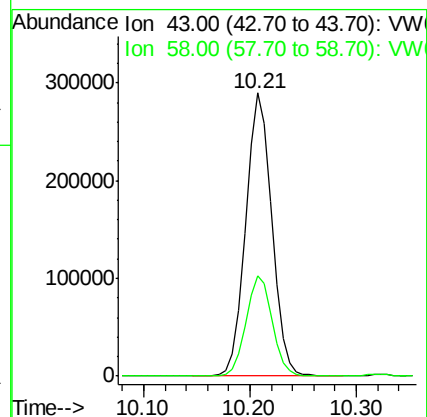
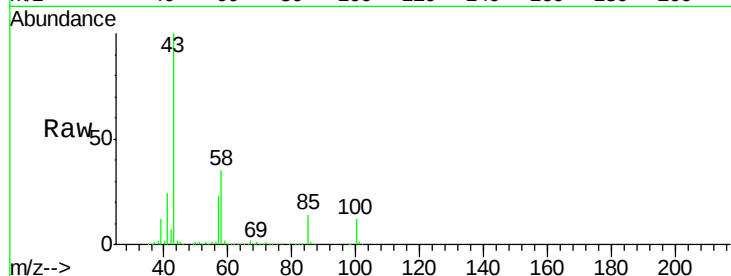
58 35.5 28.2 42.2

Manual Integrations

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MMDadoda

9/4/2019 9:34:53 AM



#52

Toluene

Concen: 51.742 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012535.D

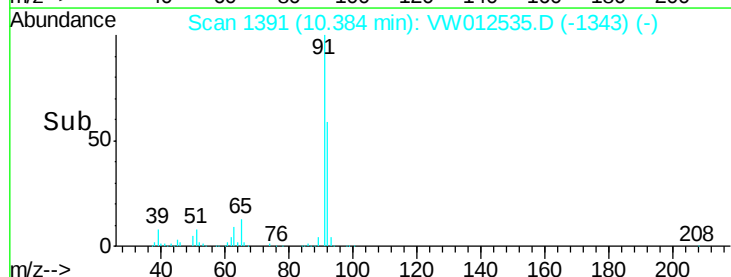
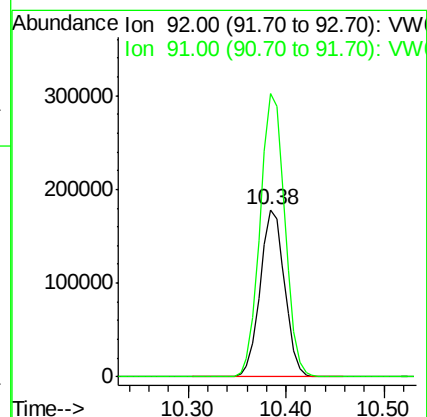
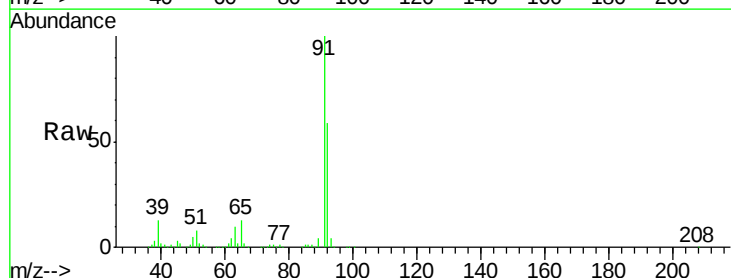
Acq: 03 Sep 2019 09:08

Tgt Ion: 92 Resp: 311113

Ion Ratio Lower Upper

92 100

91 172.1 136.6 204.8





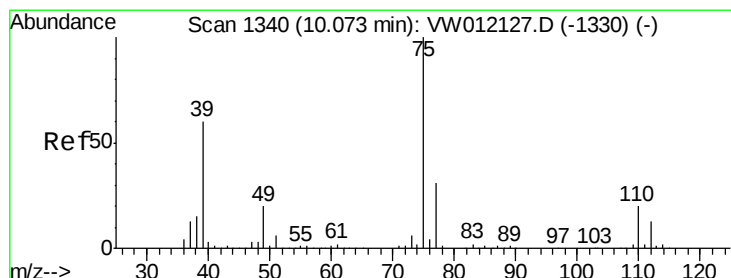
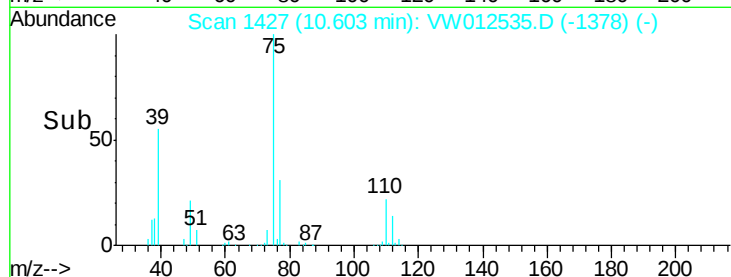
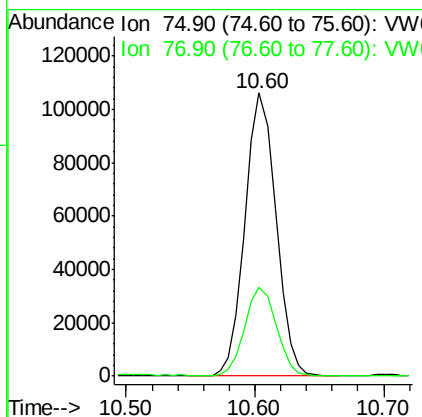
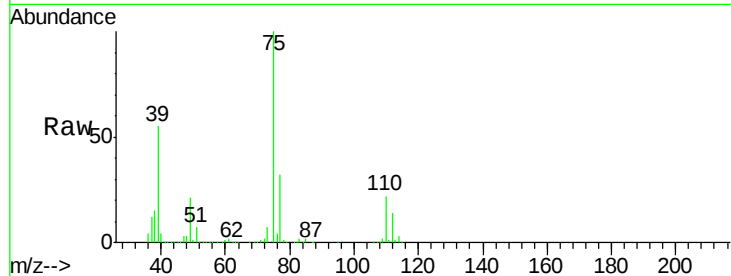
#53
t-1,3-Dichloropropene
Concen: 54.406 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4

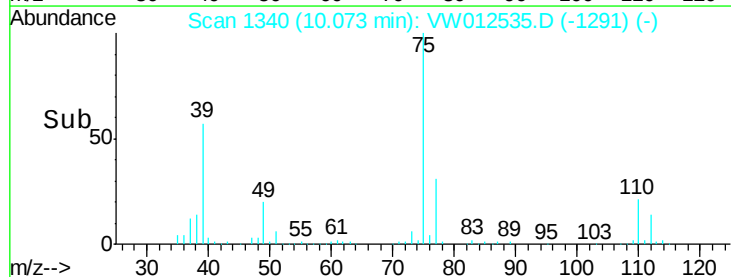
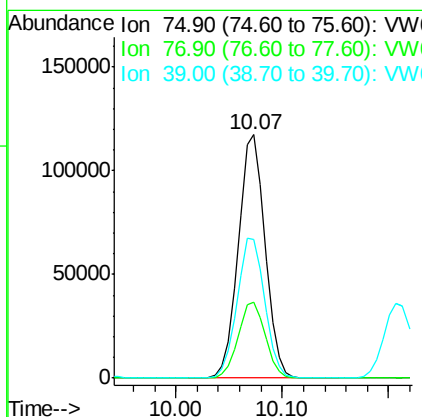
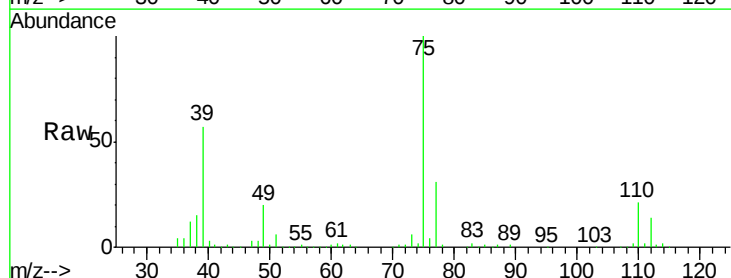
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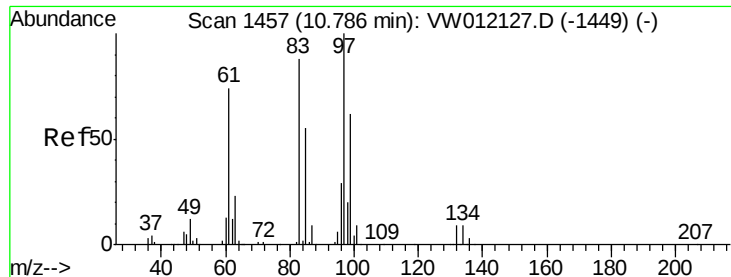
MMDadoda
9/4/2019 9:34:53 AM



#54
cis-1,3-Dichloropropene
Concen: 53.017 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	57.1	48.3	72.5





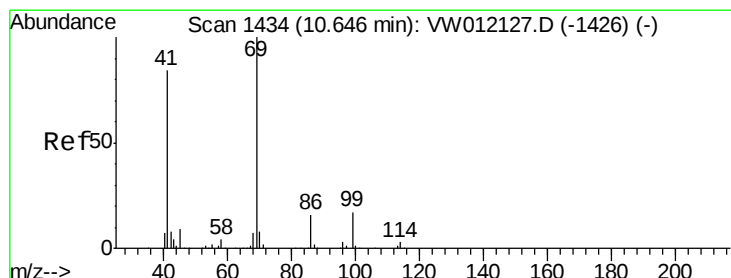
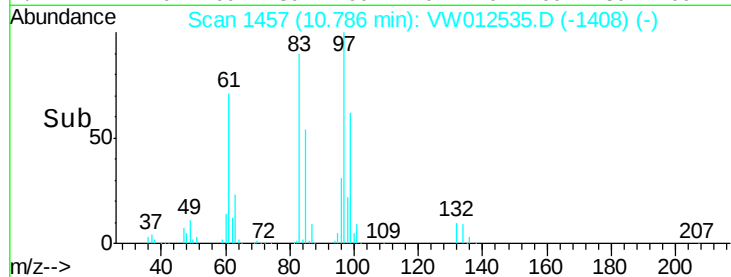
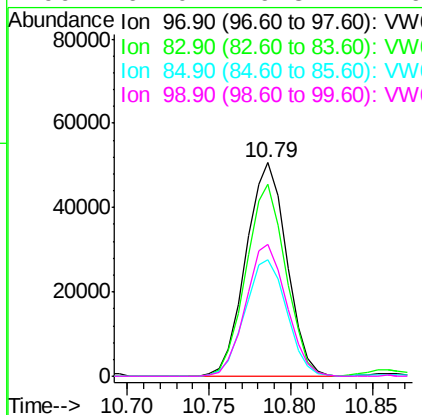
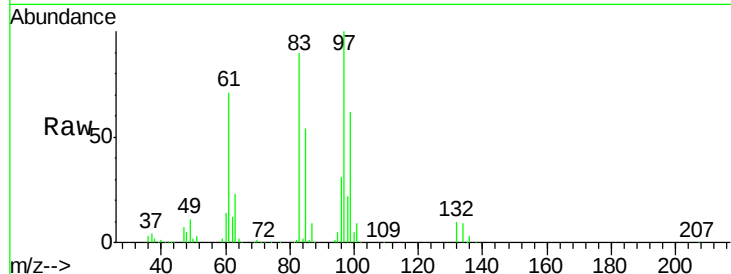
#55
 1,1,2-Trichloroethane
 Concen: 52.119 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	88379
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.8	106.2
85	54.4	43.8	65.8
99	62.0	49.8	74.6

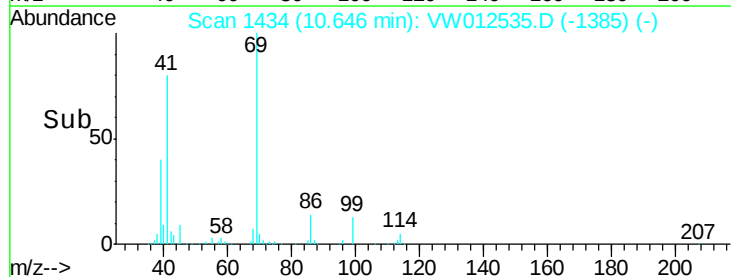
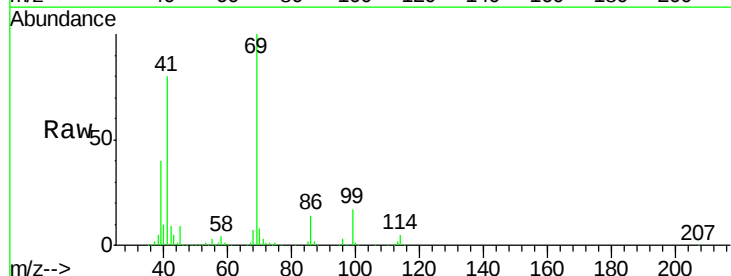
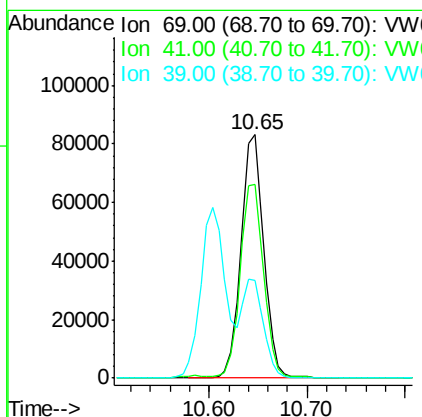
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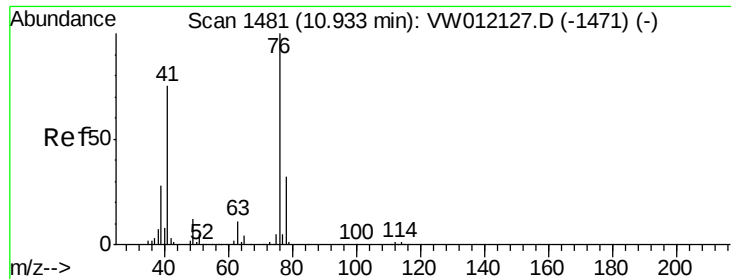
MMDadoda
 9/4/2019 9:34:53 AM



#56
 Ethyl methacrylate
 Concen: 54.333 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion:	69	Resp:	134093
Ion	Ratio	Lower	Upper
69	100		
41	81.5	66.5	99.7
39	37.7	31.0	46.4





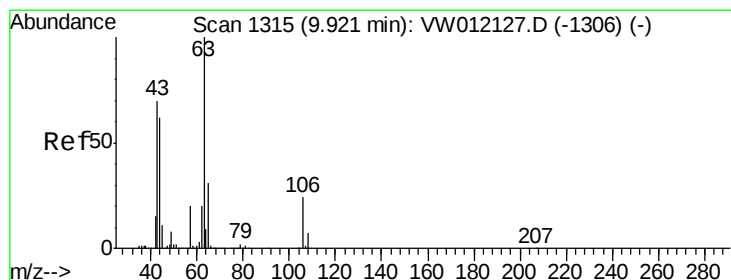
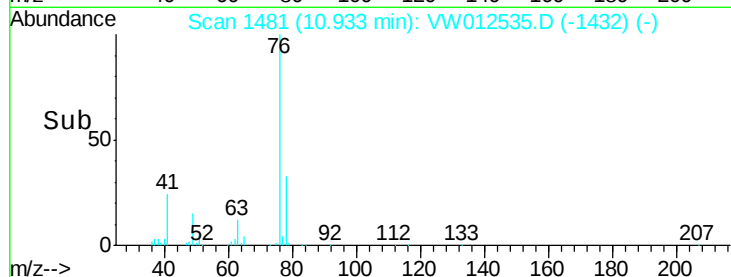
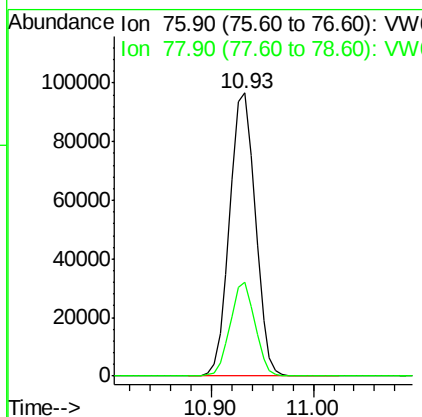
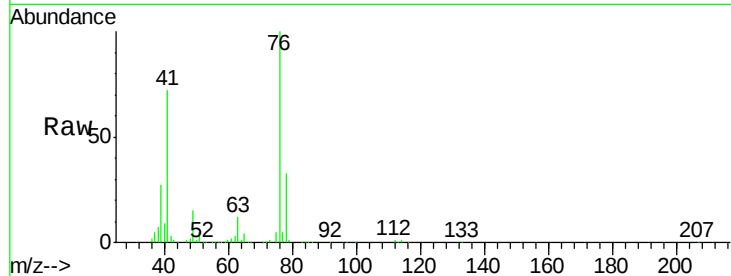
#57
 1,3-Dichloropropane
 Concen: 52.594 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 168537
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

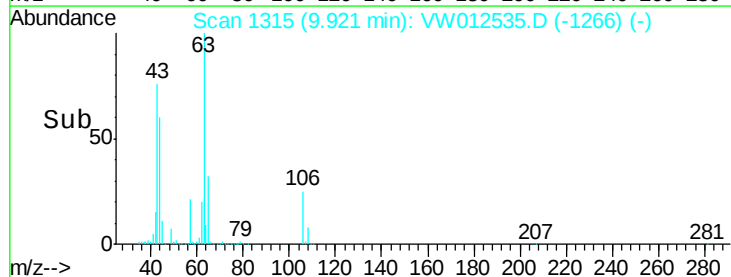
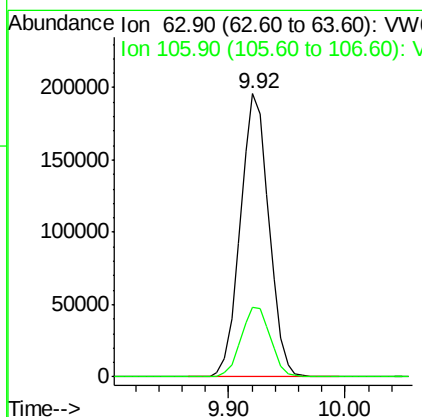
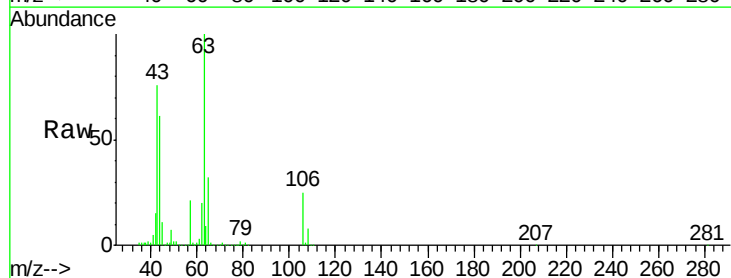
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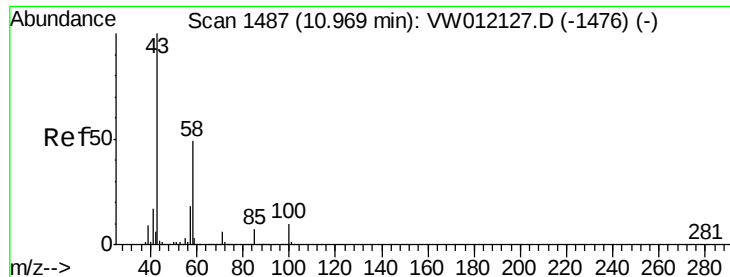
MMDadoda
 9/4/2019 9:34:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.905 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion: 63 Resp: 335535
 Ion Ratio Lower Upper
 63 100
 106 25.4 19.8 29.8





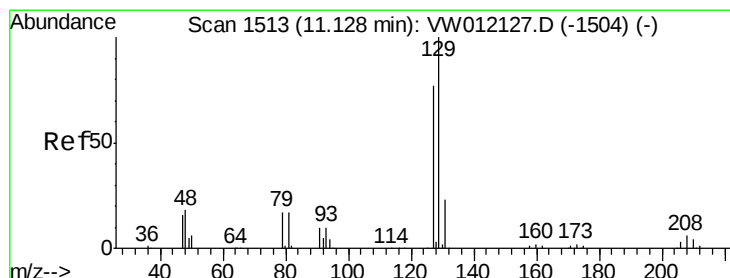
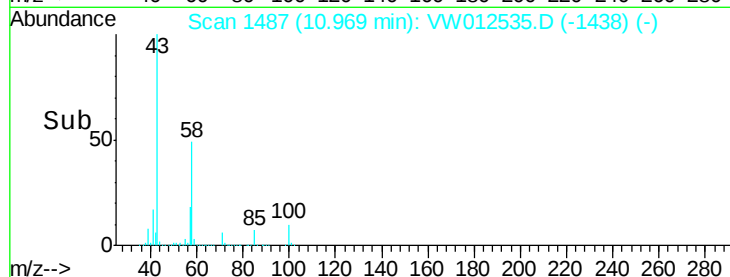
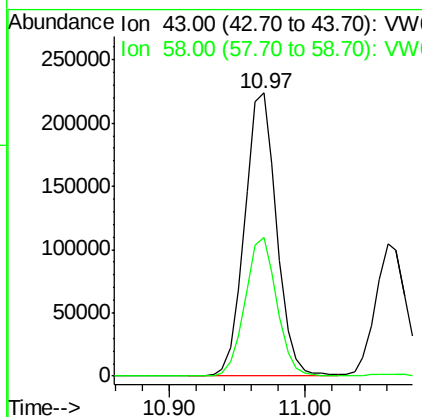
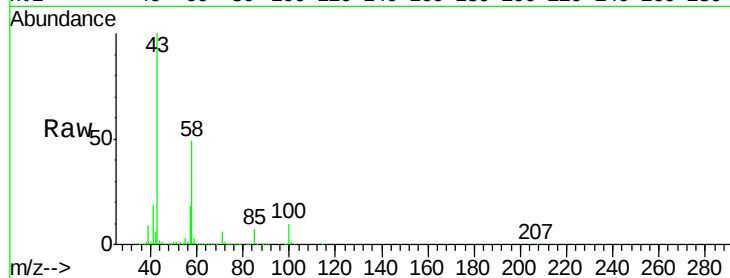
#59
2-Hexanone
Concen: 274.912 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	368111
Ion Ratio	100	Lower	Upper
43	100		
58	48.5	24.3	72.9

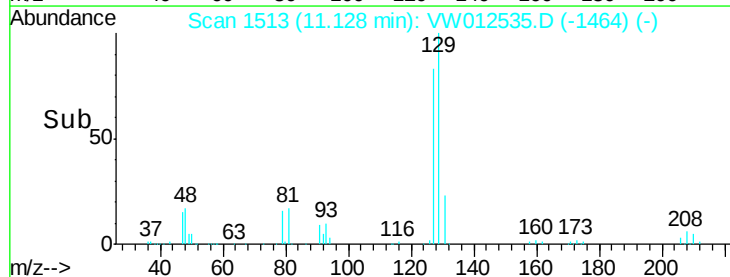
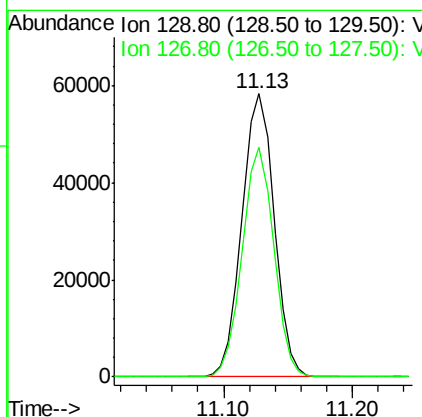
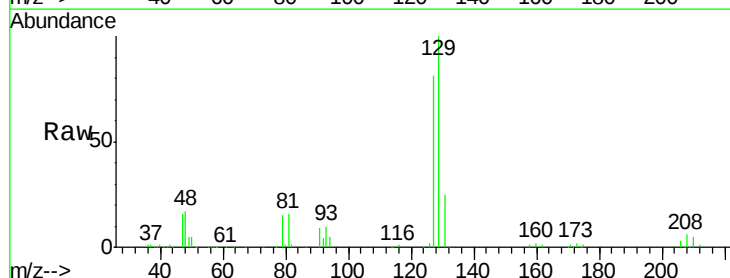
Manual Integrations
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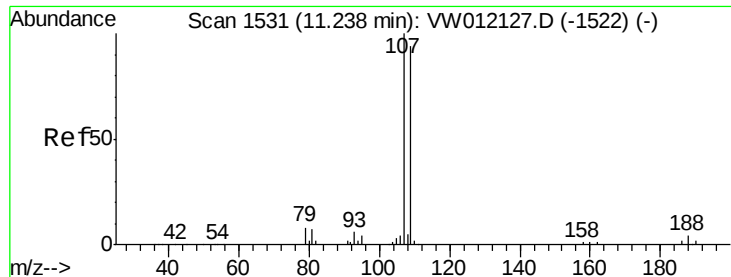
MMDadoda
9/4/2019 9:34:53 AM



#60
Dibromochloromethane
Concen: 53.517 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	129	Resp	101081
Ion Ratio	100	Lower	Upper
129	100		
127	79.3	38.6	115.8





#61

1,2-Dibromoethane

Concen: 52.442 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 82847

Ion Ratio Lower Upper

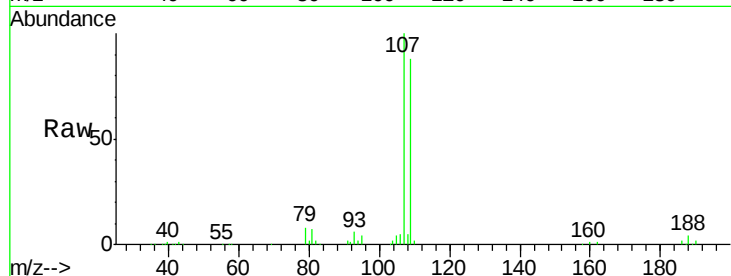
107 100

109 94.3 75.4 113.2

Manual Integrations
APPROVED

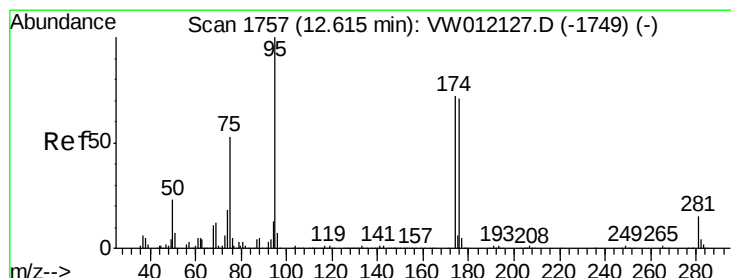
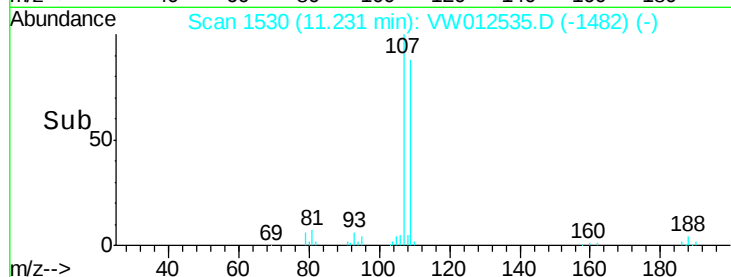
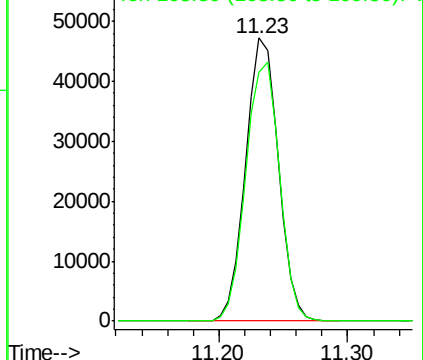
MMDadoda

9/4/2019 9:34:53 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.451 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

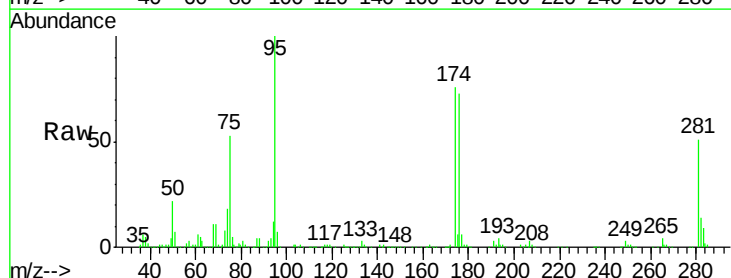
Tgt Ion: 95 Resp: 152674

Ion Ratio Lower Upper

95 100

174 79.4 0.0 150.8

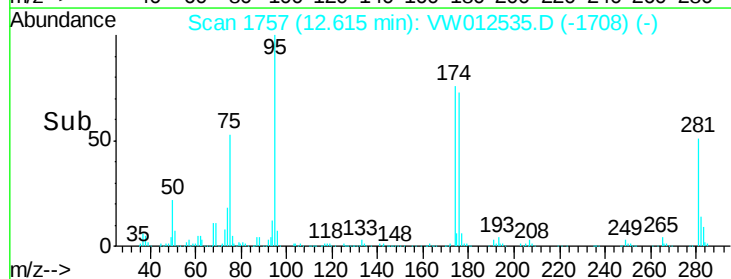
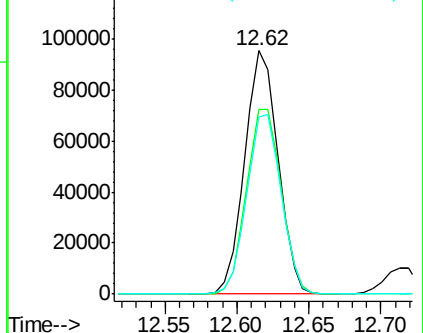
176 76.1 0.0 148.6

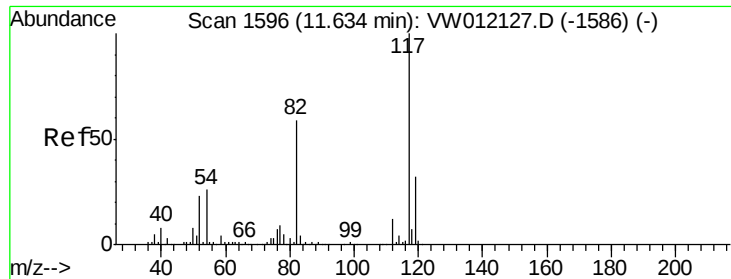


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





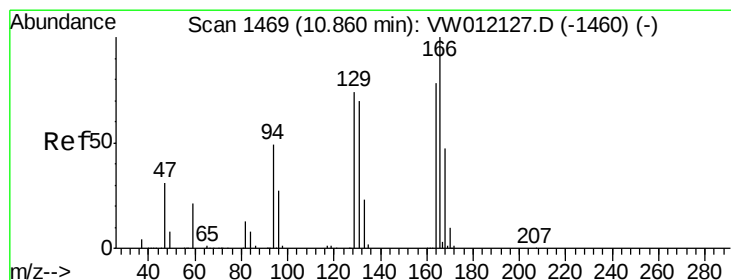
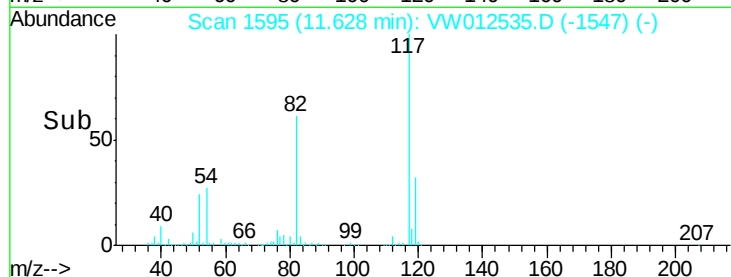
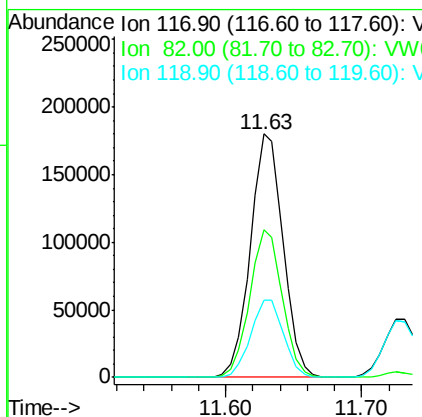
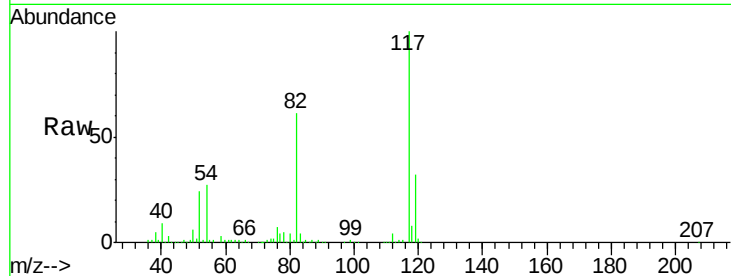
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	303697		
82	60.8		47.4	71.2
119	31.7		25.4	38.2

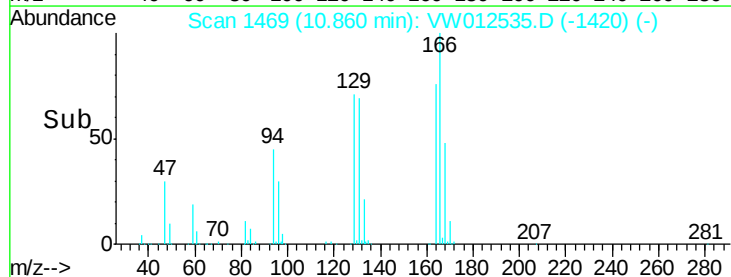
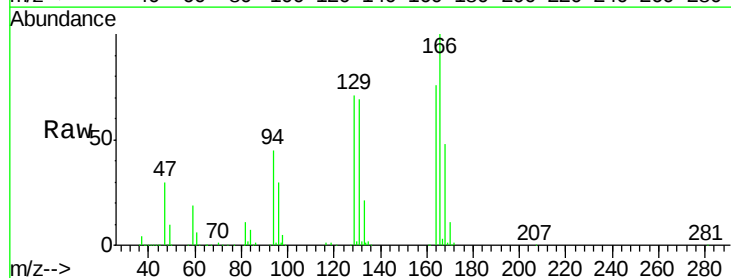
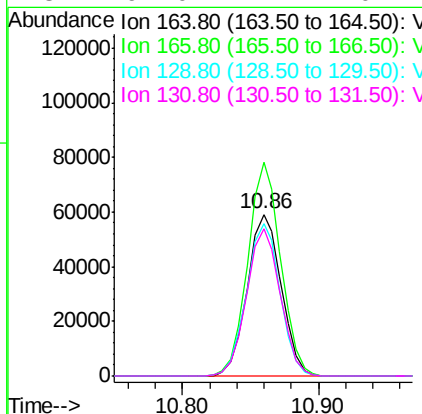
Manual Integrations
APPROVED

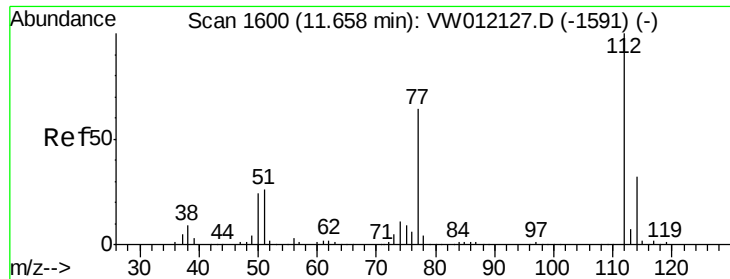
MMDadoda
9/4/2019 9:34:53 AM



#64
Tetrachloroethene
Concen: 52.549 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	103466		
166	131.9		102.4	153.6
129	94.1		75.8	113.6
131	91.0		71.4	107.2





#65

Chlorobenzene

Concen: 52.946 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 316623

Ion Ratio Lower Upper

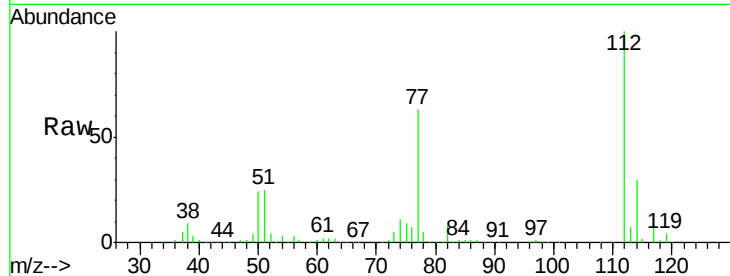
112 100

114 29.8 25.8 38.6

Manual Integrations
APPROVED

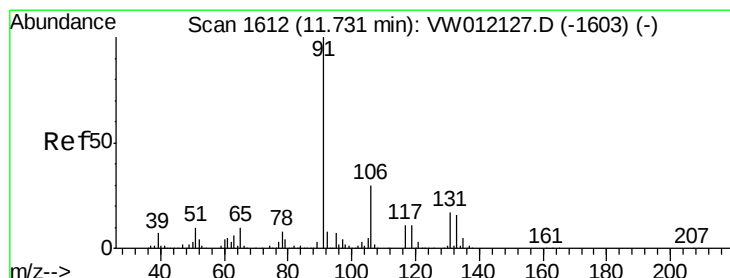
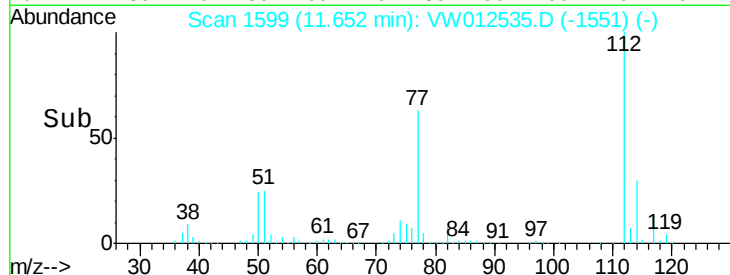
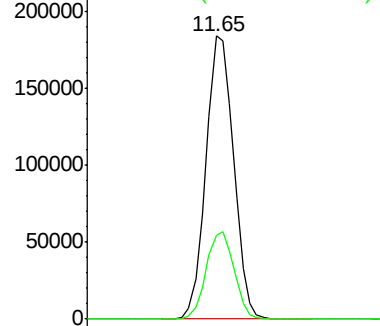
MMDadoda

9/4/2019 9:34:53 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.089 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

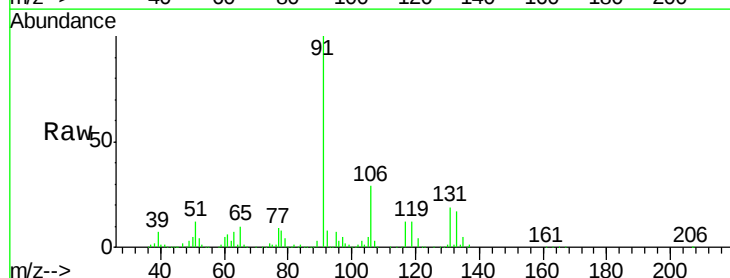
Tgt Ion:131 Resp: 112840

Ion Ratio Lower Upper

131 100

133 95.9 47.1 141.3

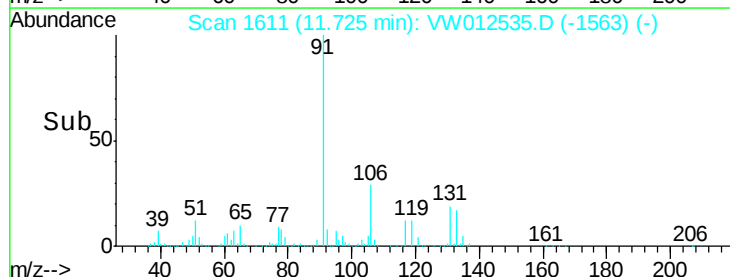
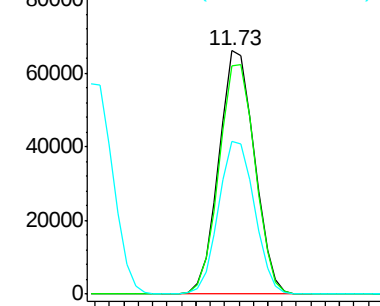
119 63.6 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





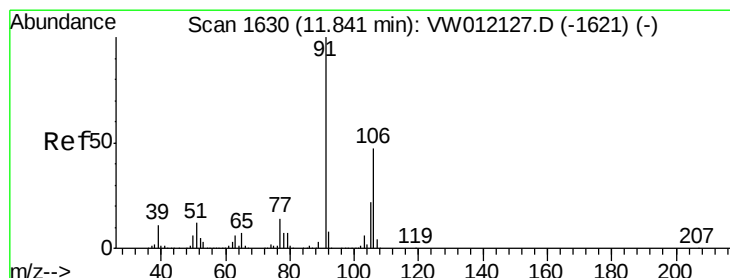
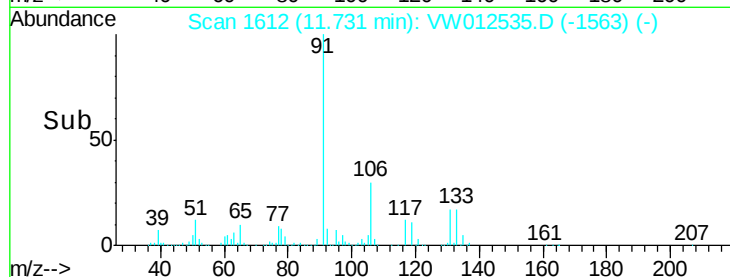
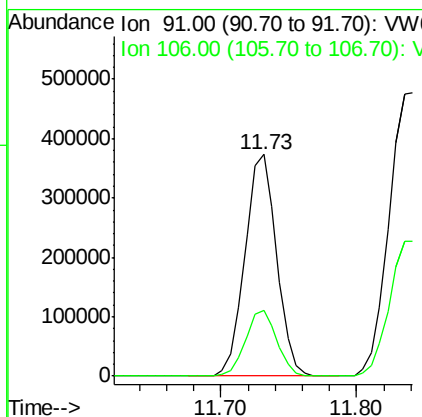
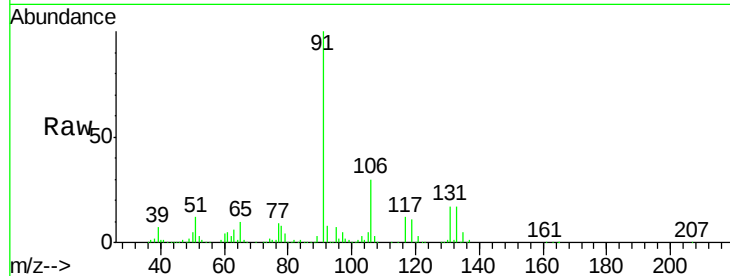
#67
Ethyl Benzene
Concen: 52.799 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 608221
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5

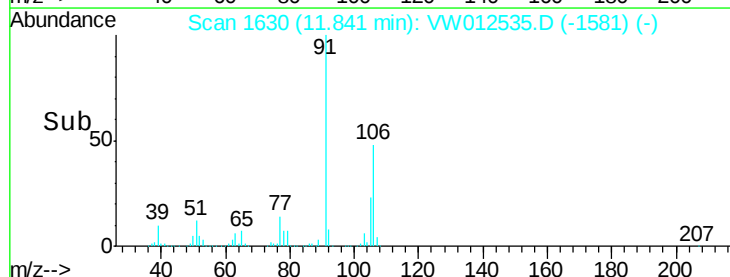
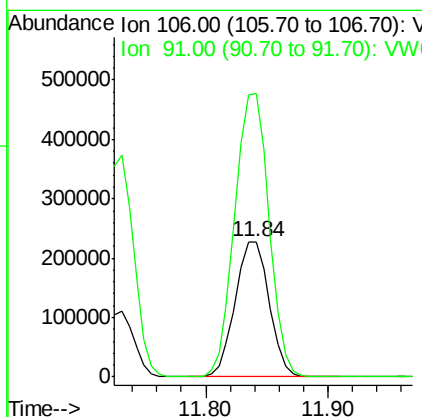
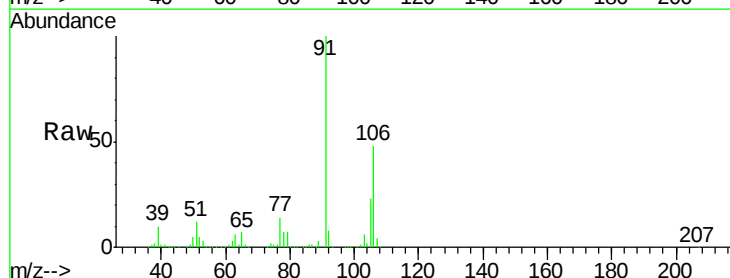
Manual Integrations
APPROVED

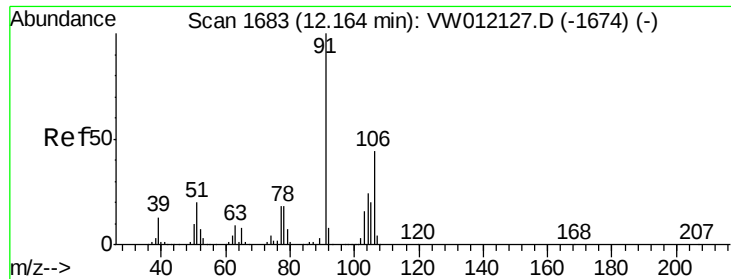
MMDadoda
9/4/2019 9:34:53 AM



#68
m/p-Xylenes
Concen: 105.814 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion: 106 Resp: 439072
Ion Ratio Lower Upper
106 100
91 211.1 169.5 254.3





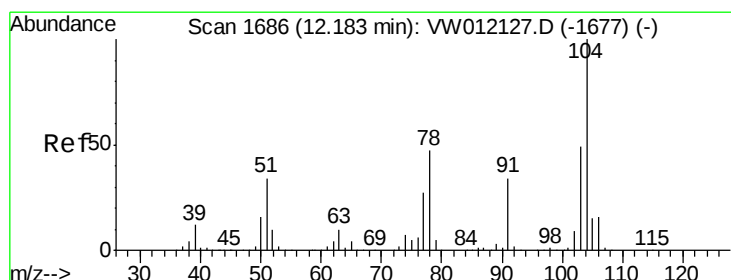
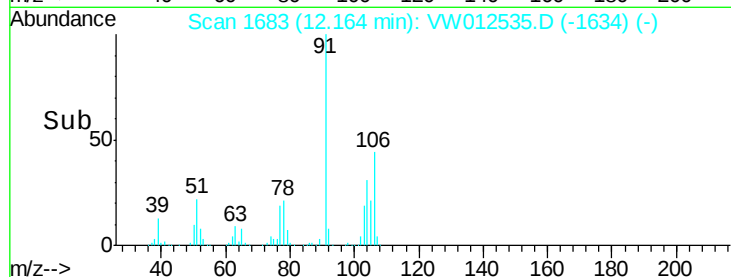
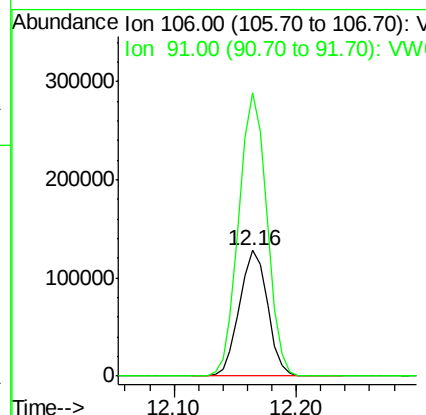
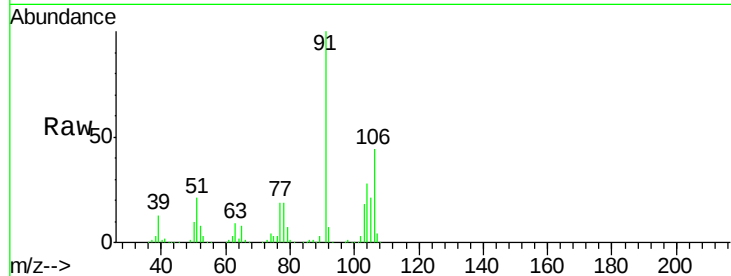
#69
o-Xylene
Concen: 53.175 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.6	111.6	334.6

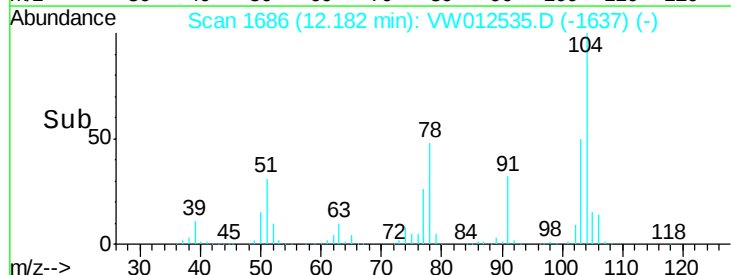
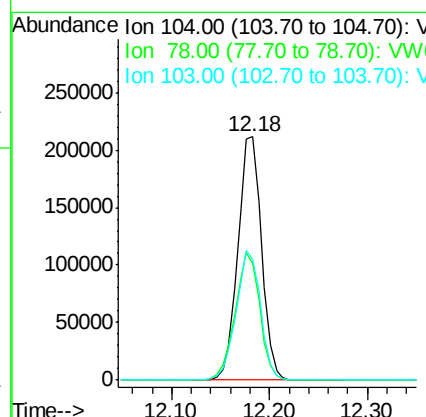
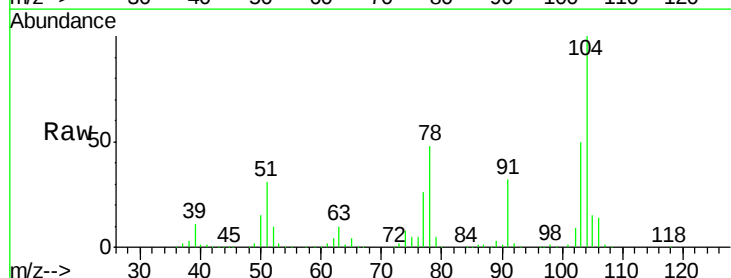
Manual Integrations
APPROVED

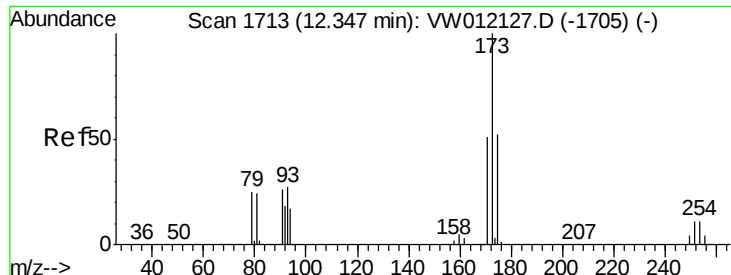
MMDadoda
9/4/2019 9:34:53 AM



#70
Styrene
Concen: 53.353 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

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





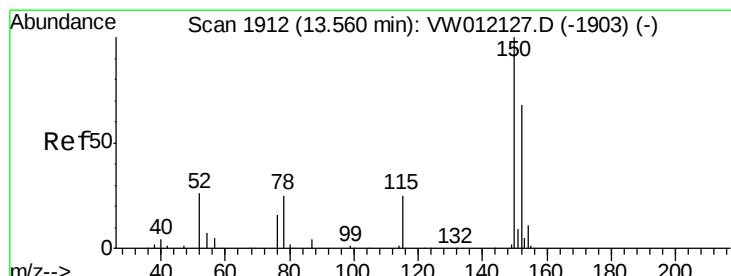
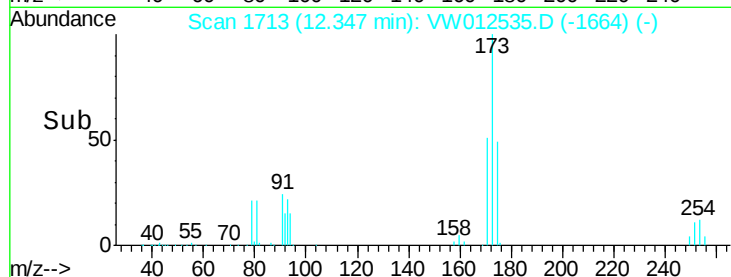
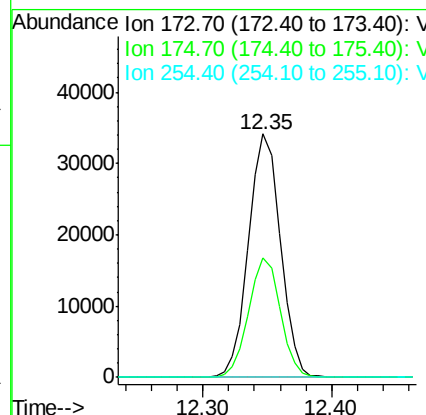
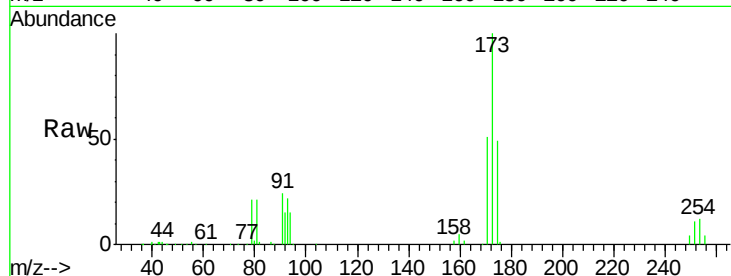
#71
Bromoform
Concen: 56.087 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	74.0
254	0.1	0.2	0.2

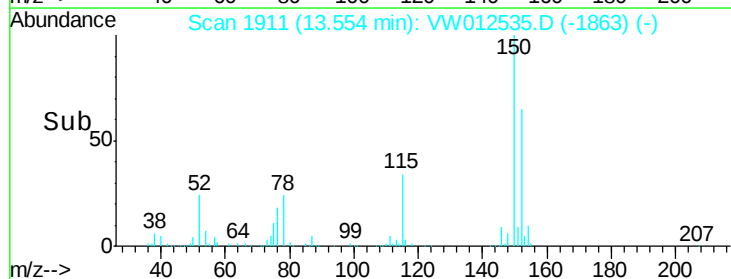
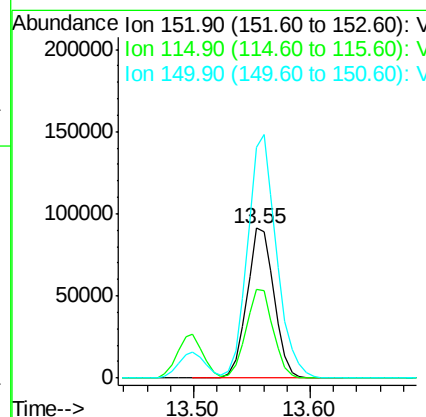
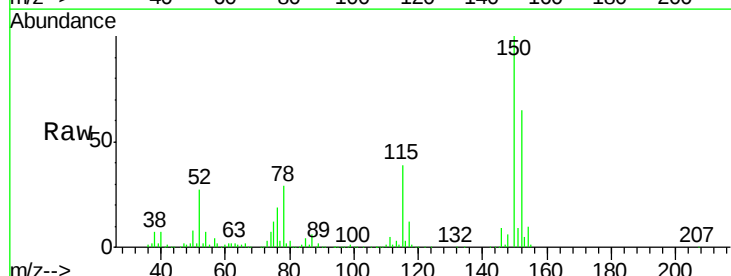
Manual Integrations
APPROVED

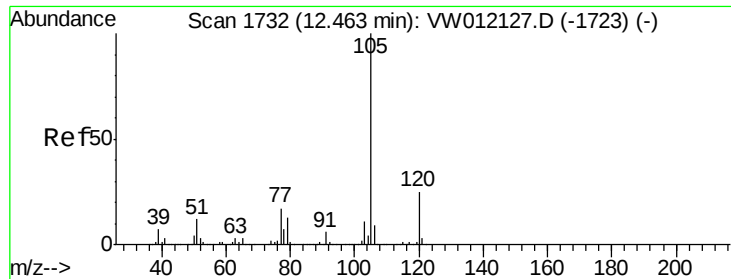
MMDadoda
9/4/2019 9:34:53 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.1	90.3
150	173.2	0.0	345.8





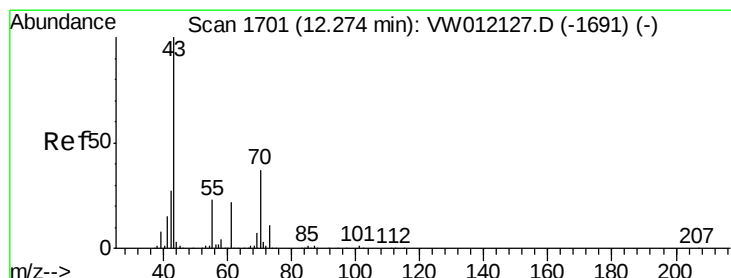
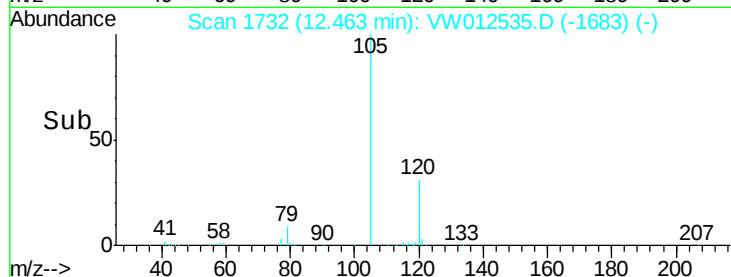
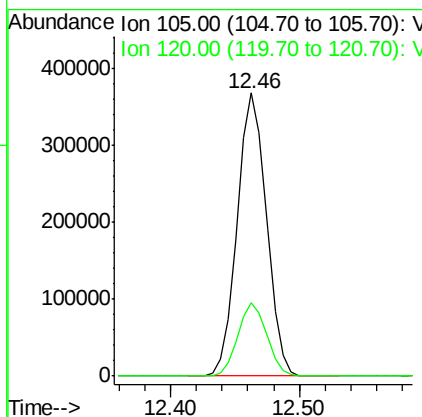
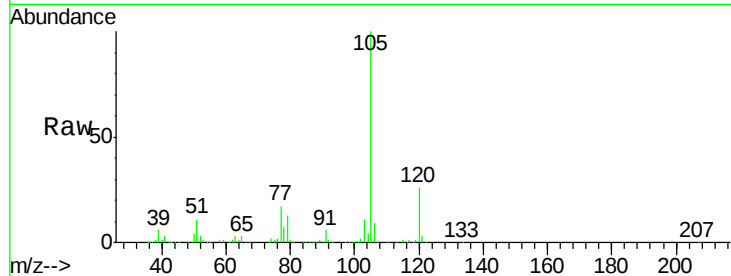
#73
Isopropylbenzene
Concen: 52.133 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.5	37.5

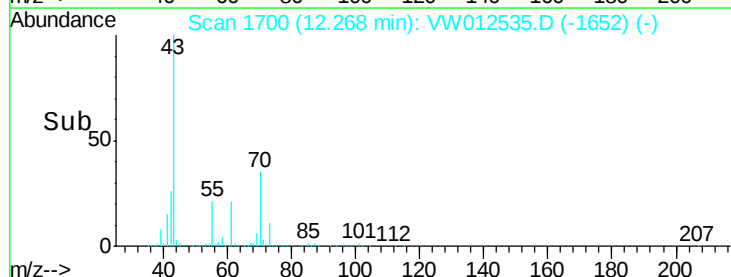
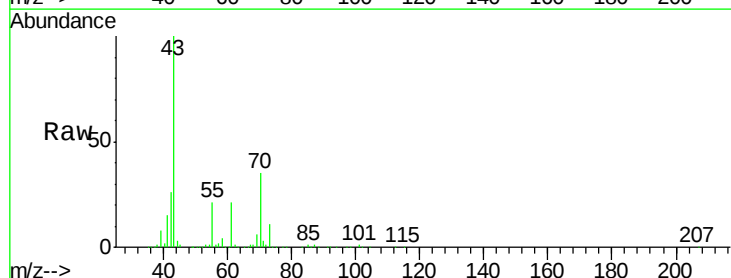
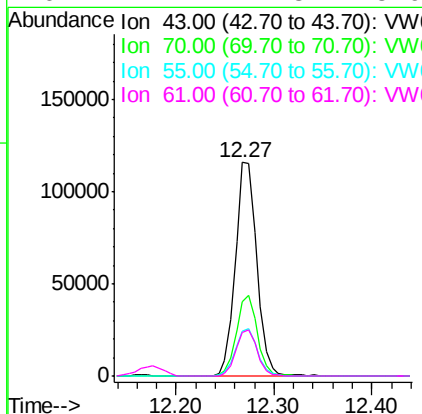
Manual Integrations
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9/4/2019 9:34:53 AM



#74
N-ethyl acetate
Concen: 52.842 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.9	28.6	43.0
55	22.5	17.8	26.6
61	21.7	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.537 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

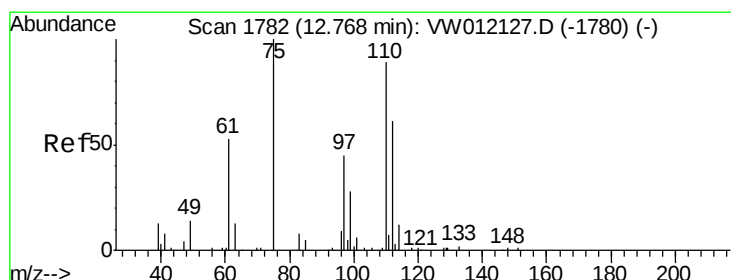
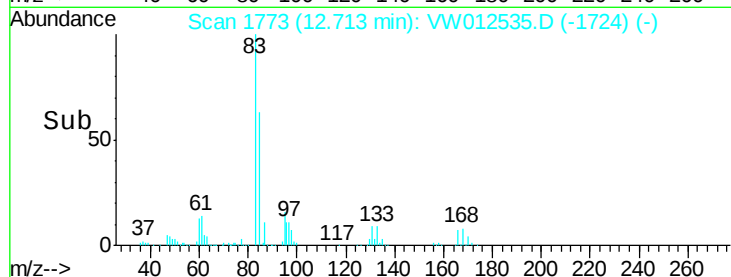
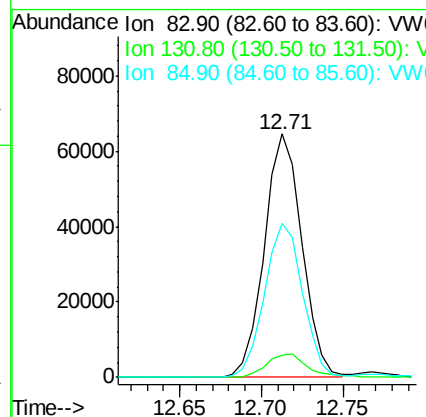
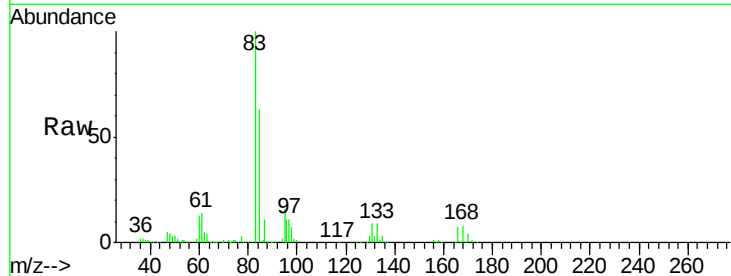
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	102770
Ion Ratio		Lower	Upper
83	100		
131	10.4	4.9	14.7
85	64.3	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.264 ug/l m

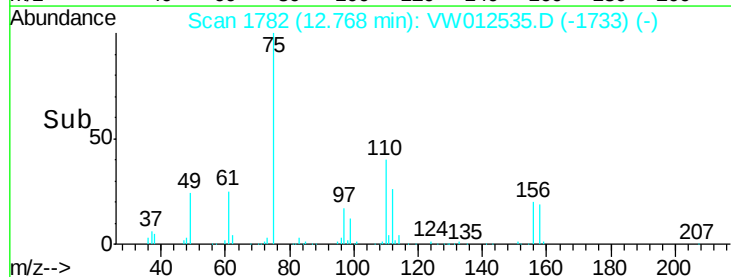
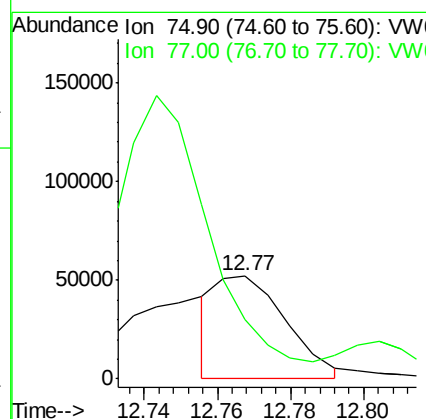
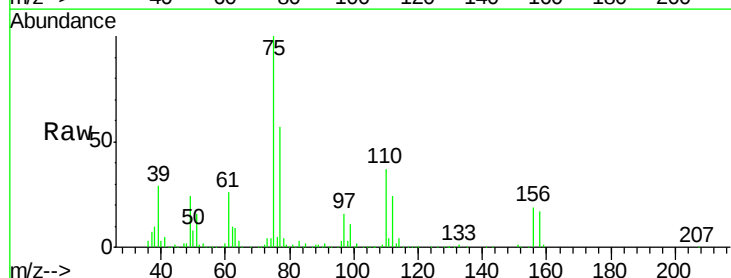
RT: 12.77 min Scan# 1782

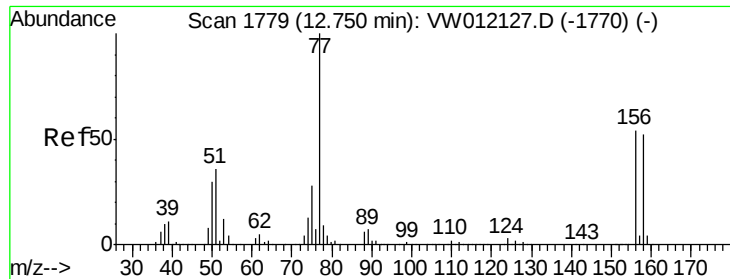
Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Tgt Ion:	75	Resp:	69584
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.607 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

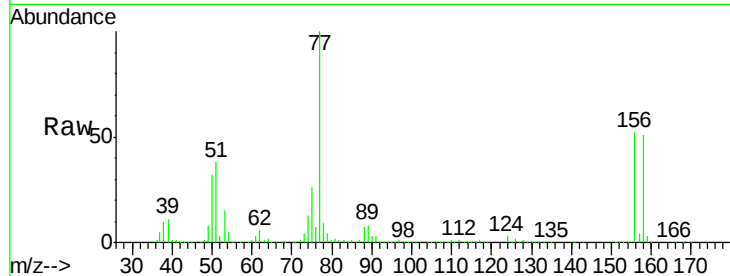
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	207.7	107.3	321.8	
158	97.1	49.0	147.0	

Manual Integrations
APPROVED

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9/4/2019 9:34:53 AM

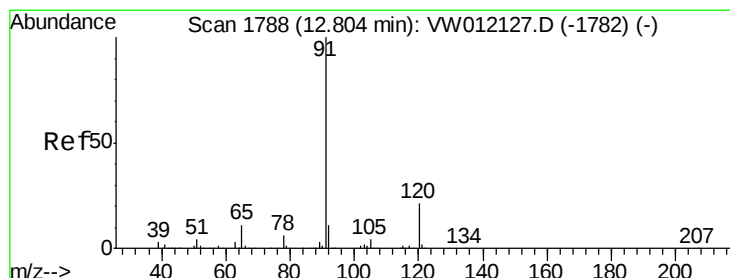
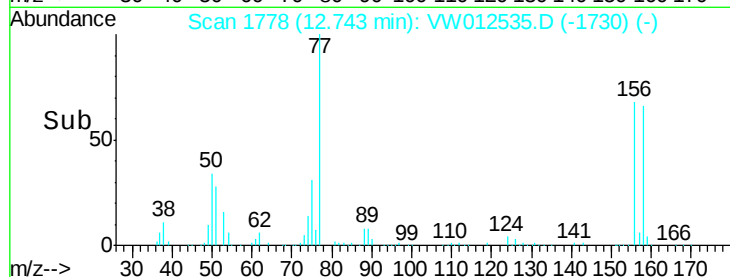
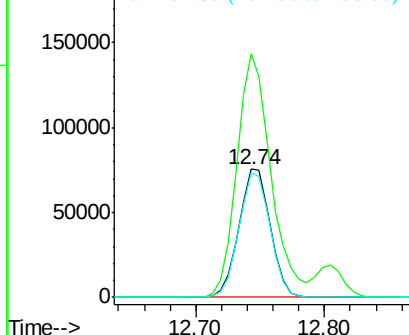


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.730 ug/l

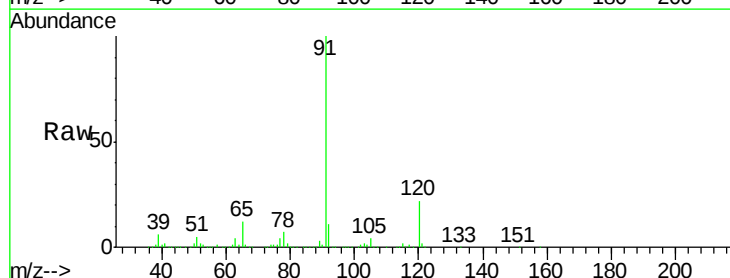
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

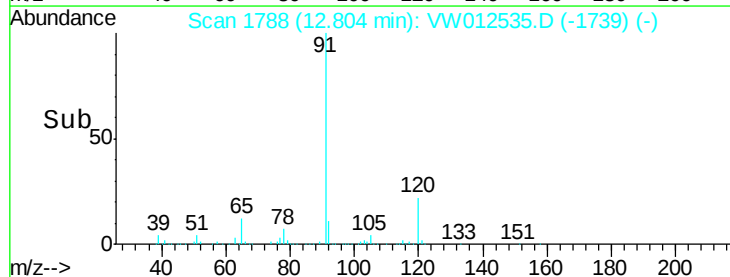
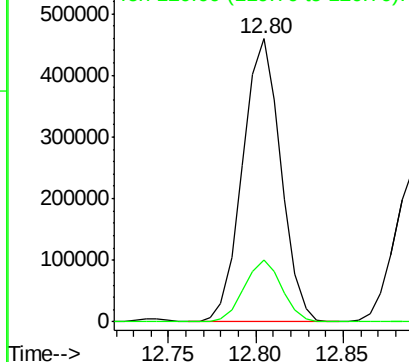
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.5	31.6	

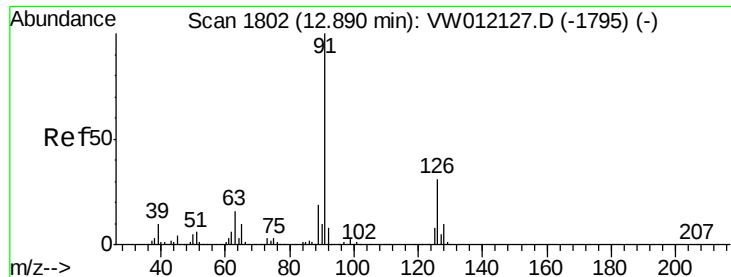


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.100 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 392867

Ion Ratio Lower Upper

91 100

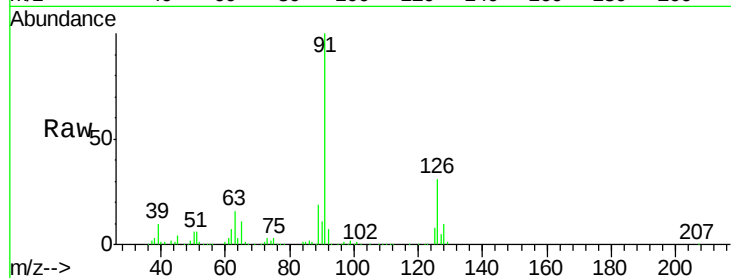
126 31.6 15.7 47.0

Manual Integrations

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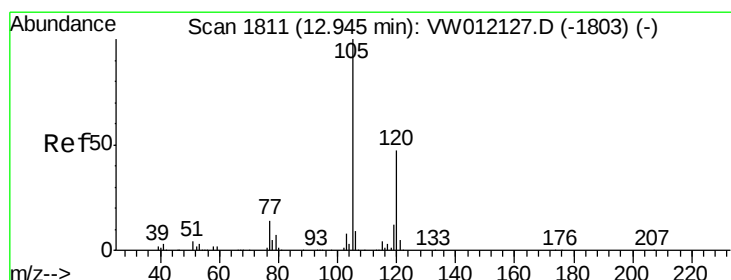
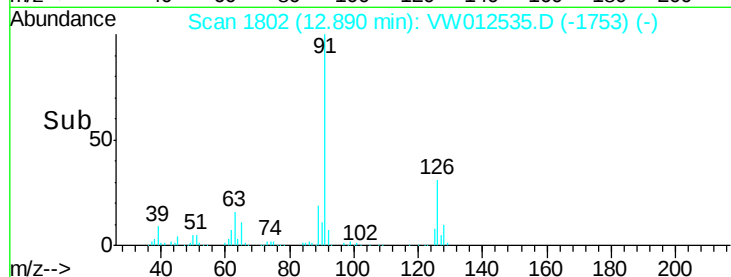
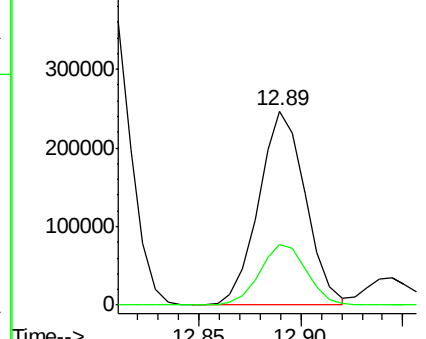
MMDadoda

9/4/2019 9:34:53 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.321 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012535.D

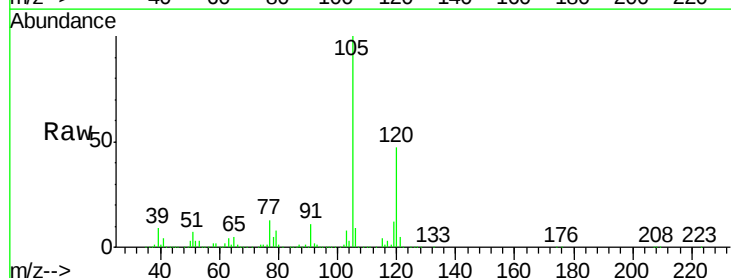
Acq: 03 Sep 2019 09:08

Tgt Ion:105 Resp: 484952

Ion Ratio Lower Upper

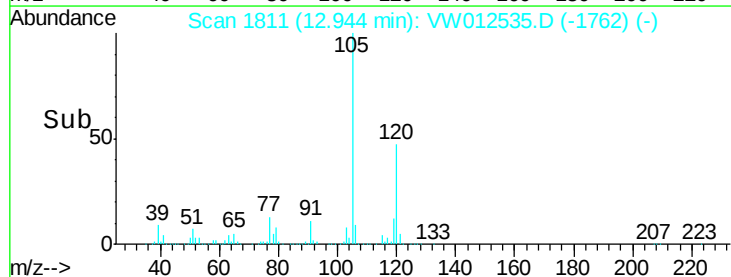
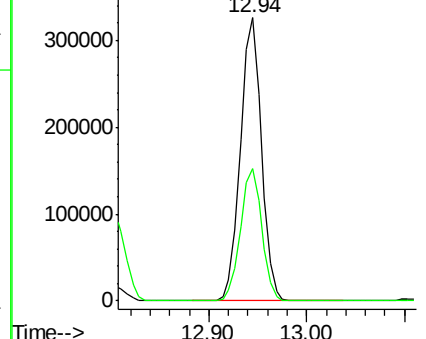
105 100

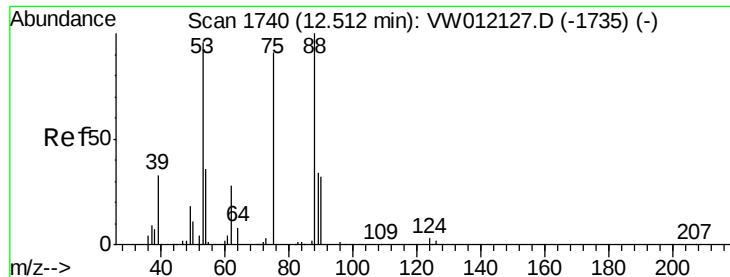
120 47.7 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.490 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

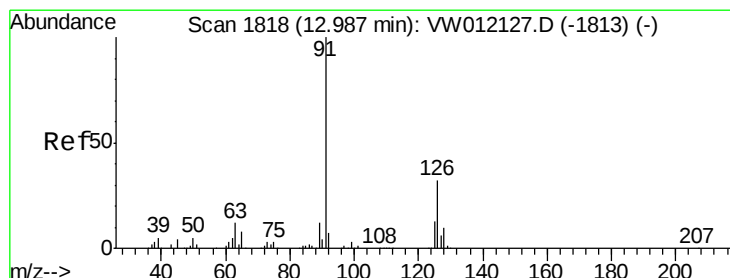
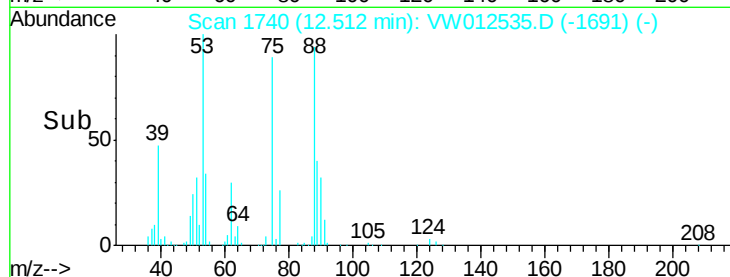
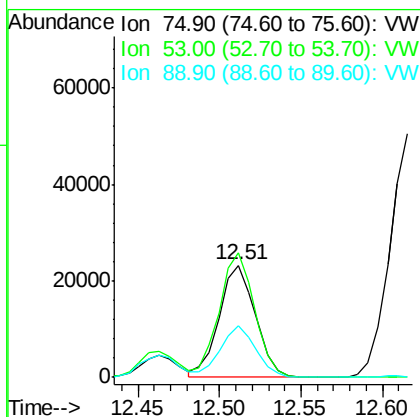
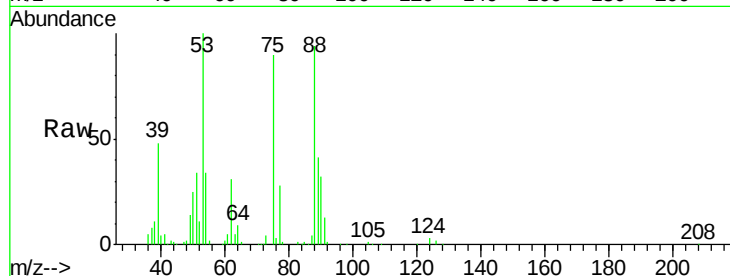
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	35831
Ion Ratio	Lower	Upper	
75	100		
53	110.1	89.4	134.0
89	45.3	34.5	51.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.297 ug/l

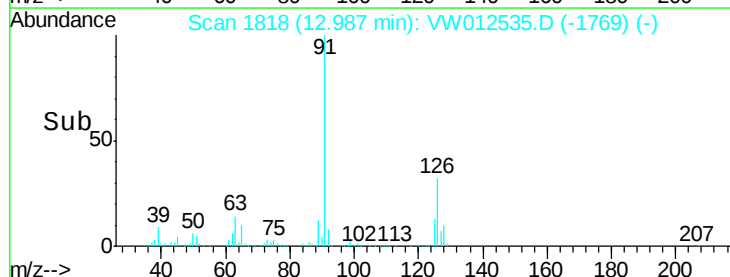
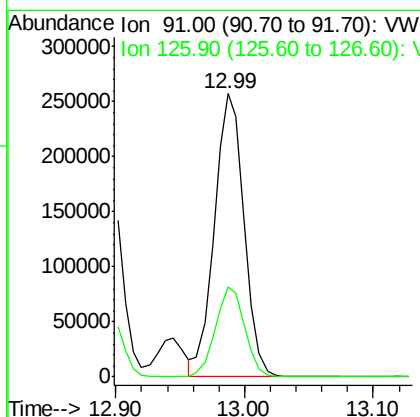
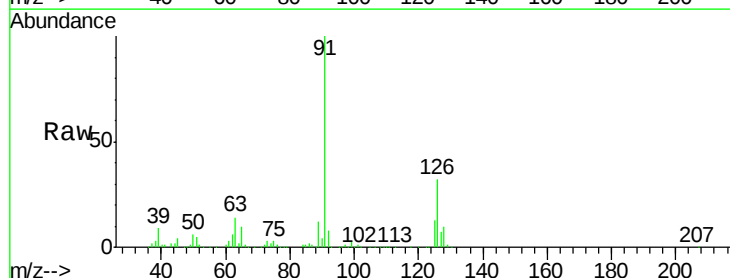
RT: 12.99 min Scan# 1818

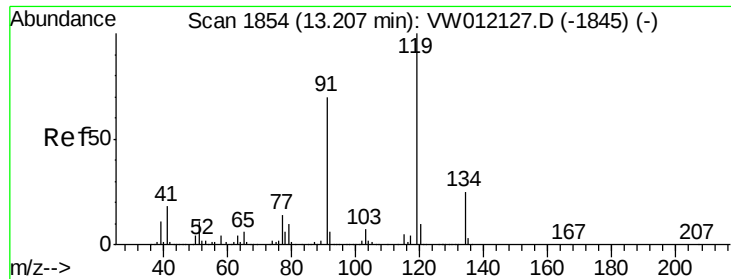
Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Tgt Ion:	91	Resp:	412945
Ion Ratio	Lower	Upper	
91	100		
126	31.6	15.6	46.8





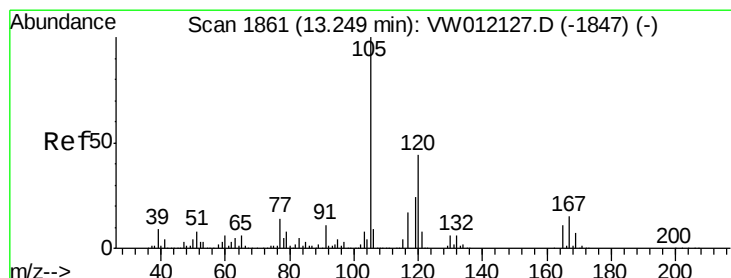
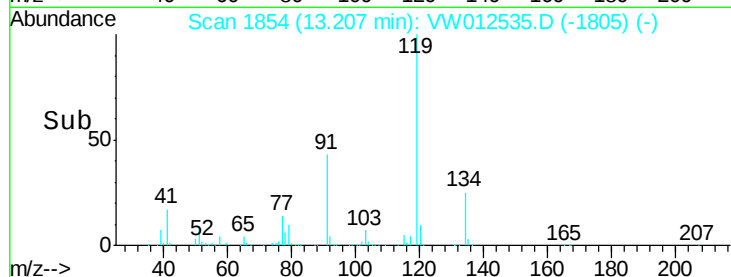
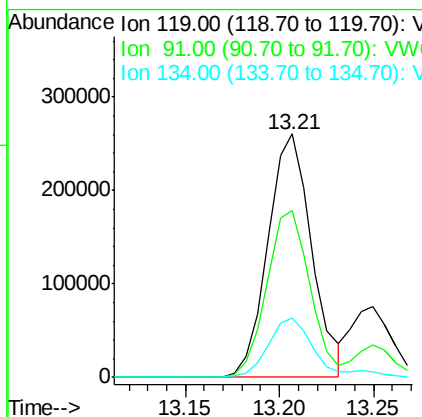
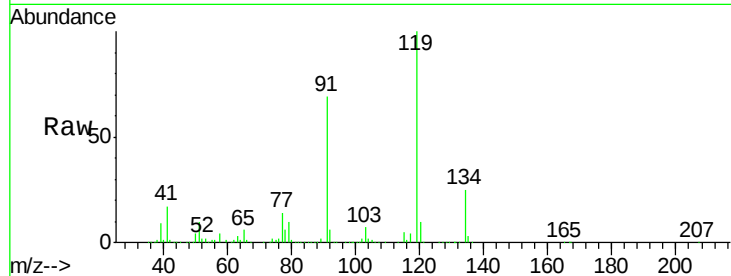
#83
tert-Butylbenzene
Concen: 53.508 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.8	104.3
134	24.2	13.3	39.8

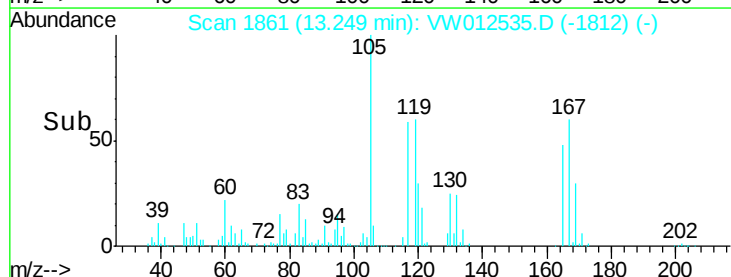
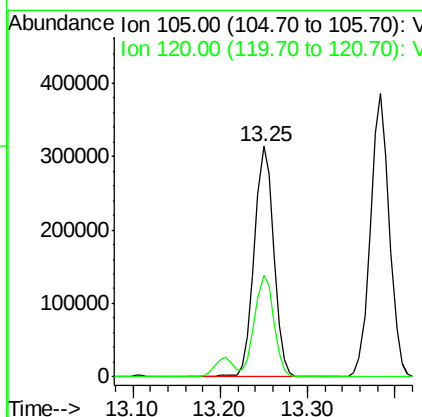
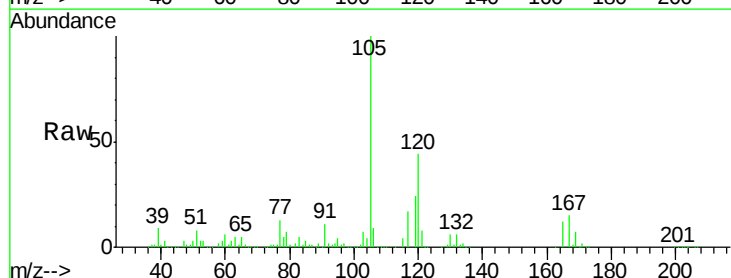
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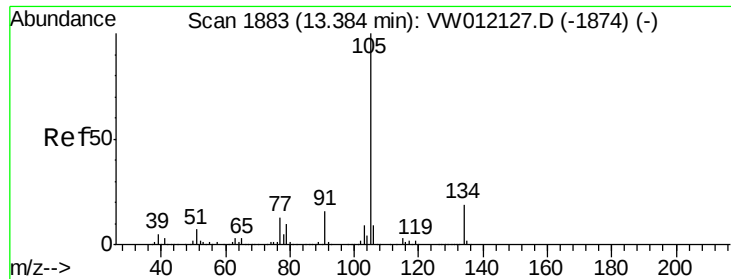
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#84
1,2,4-Trimethylbenzene
Concen: 51.880 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.9	65.7





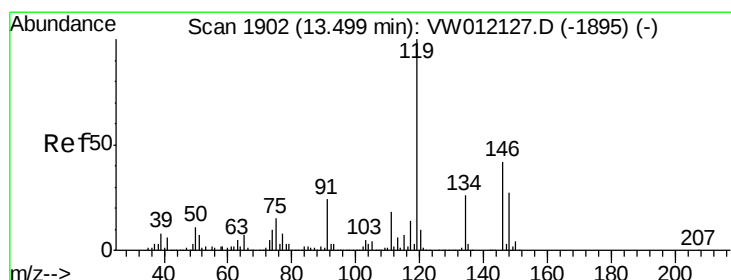
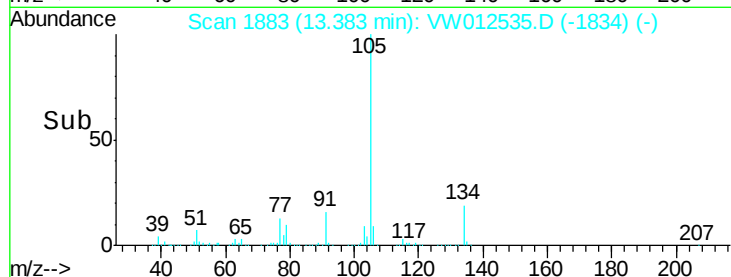
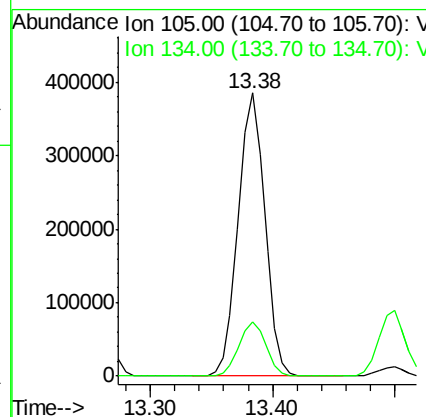
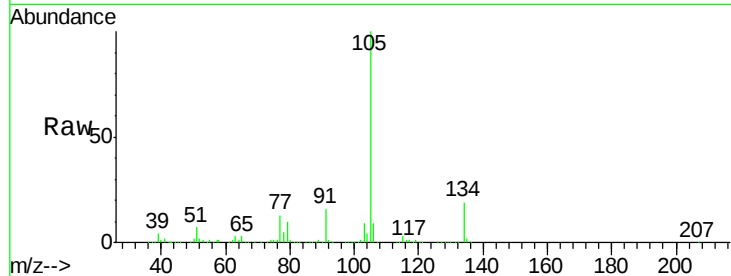
#85
 sec-Butylbenzene
 Concen: 51.657 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	581071		
134	19.4	9.8	29.4	

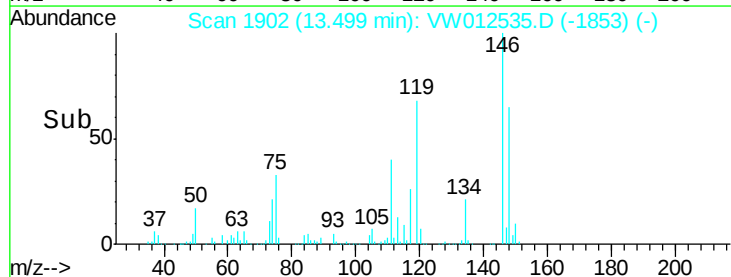
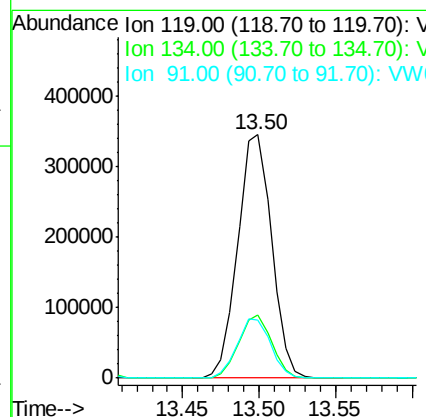
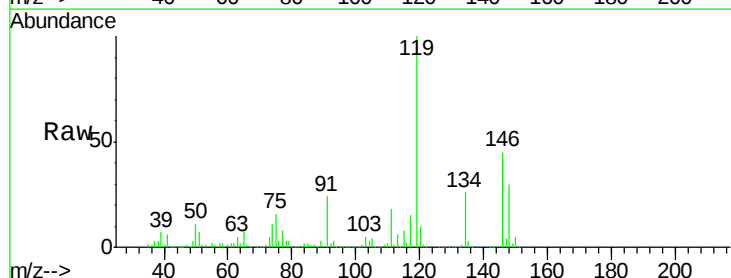
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#86
 p-Isopropyltoluene
 Concen: 52.774 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	530145		
134	25.4	12.8	38.3	
91	24.2	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 51.848 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Instrument :

MSVOA_W

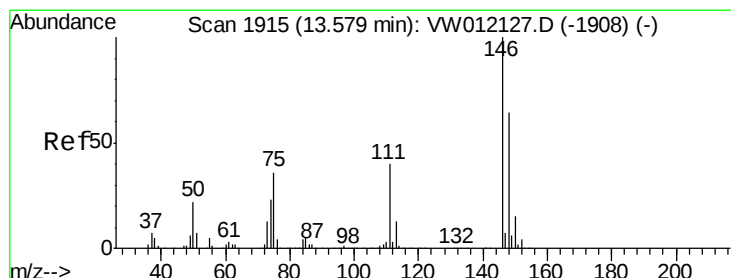
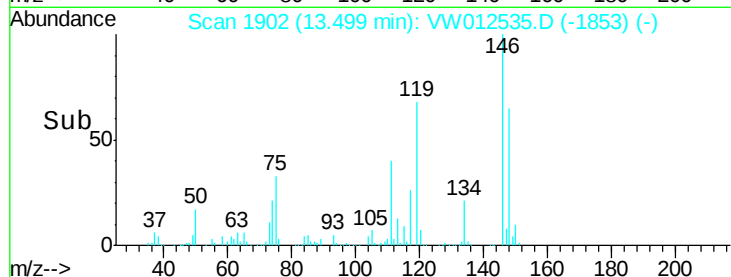
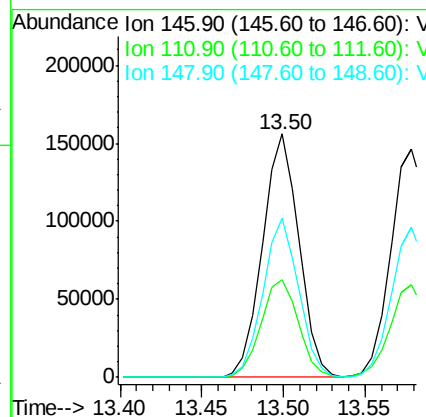
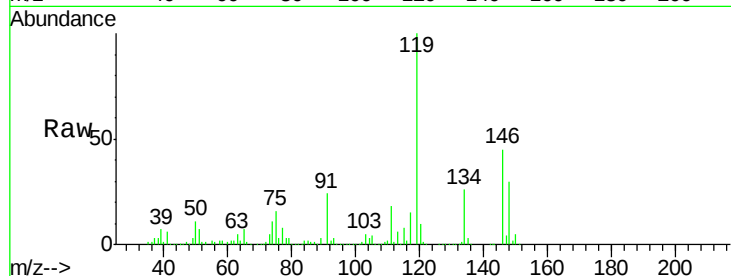
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	243362
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.9	62.7
148	63.8	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 51.942 ug/l

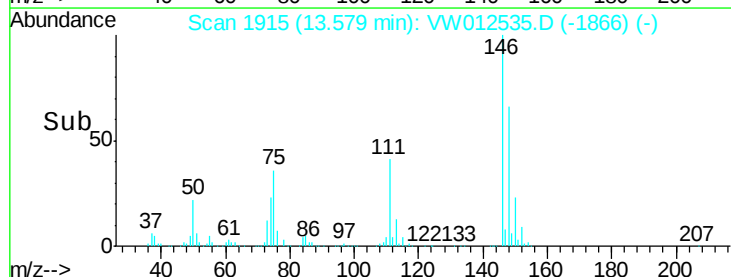
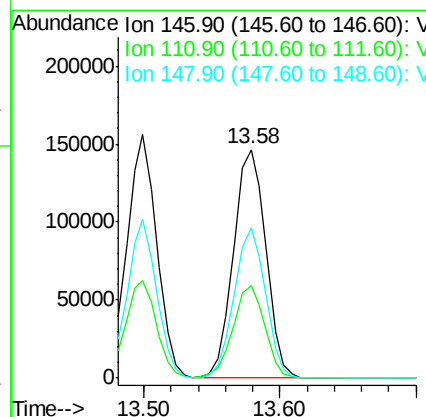
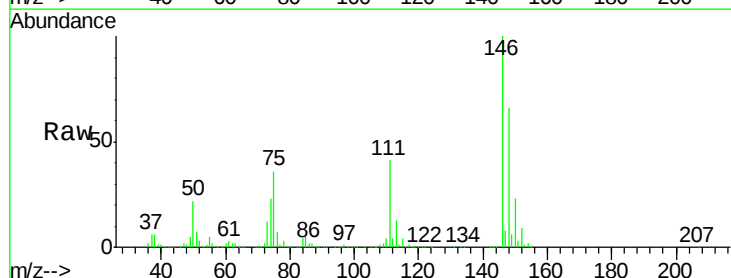
RT: 13.58 min Scan# 1915

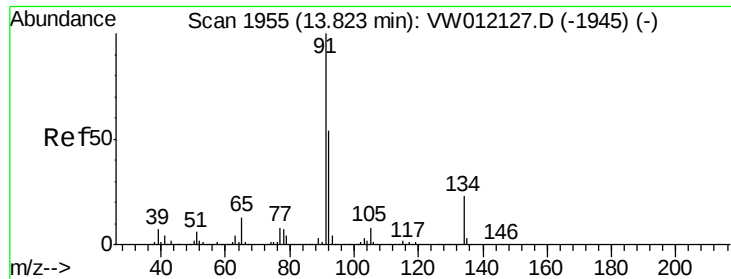
Delta R.T. -0.00 min

Lab File: VW012535.D

Acq: 03 Sep 2019 09:08

Tgt Ion:	146	Resp:	242080
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.0	60.0
148	63.8	32.1	96.3





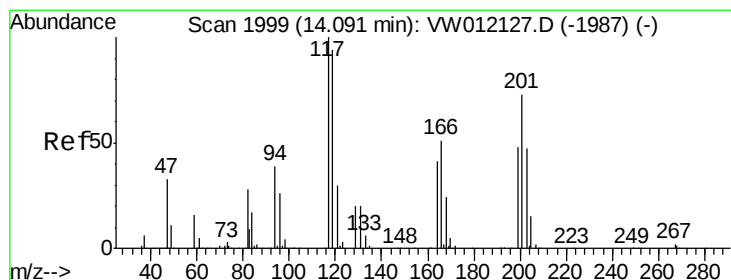
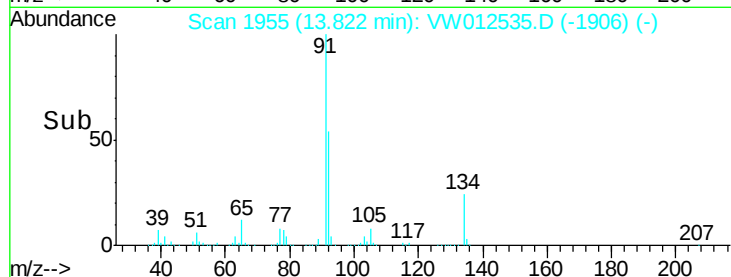
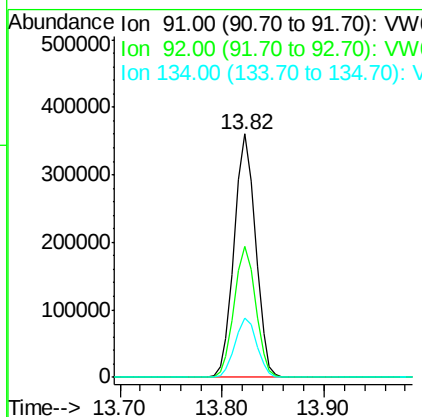
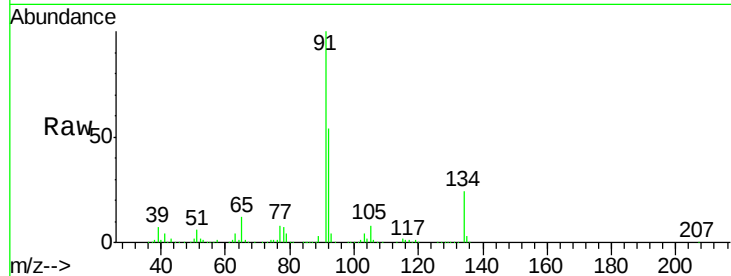
#89
n-Butylbenzene
Concen: 52.088 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	24.8	12.2	36.4

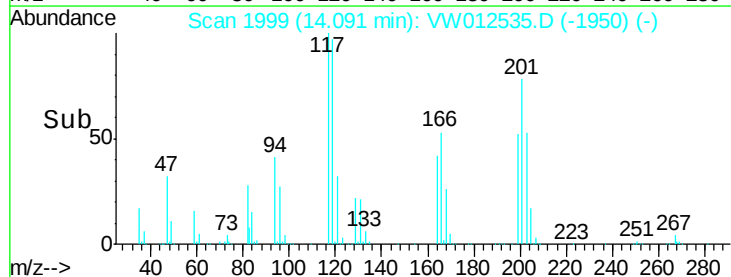
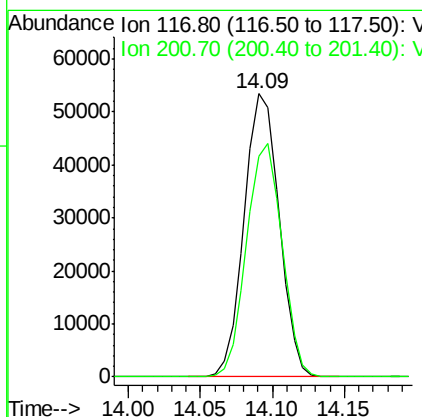
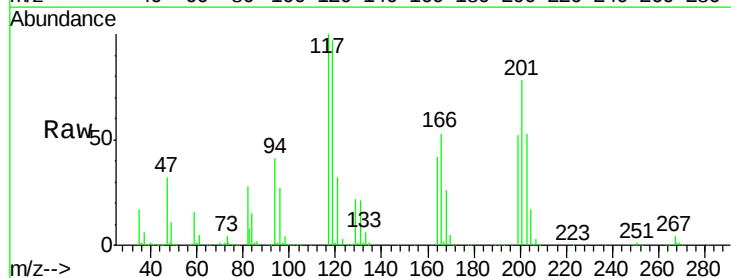
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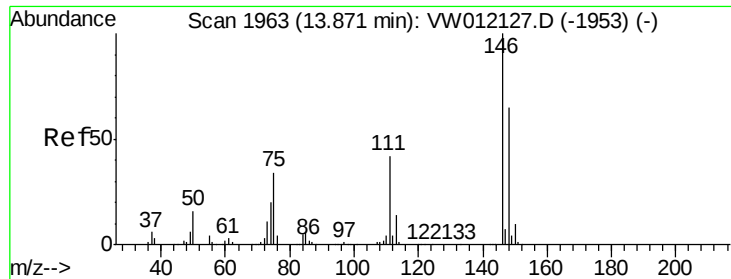
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#90
Hexachloroethane
Concen: 51.079 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	38.6	115.7





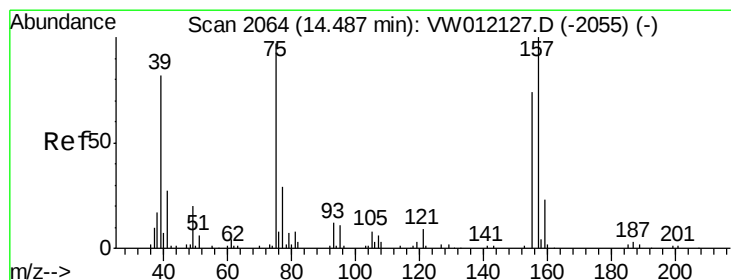
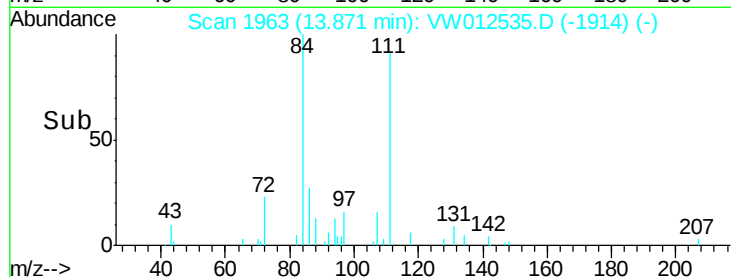
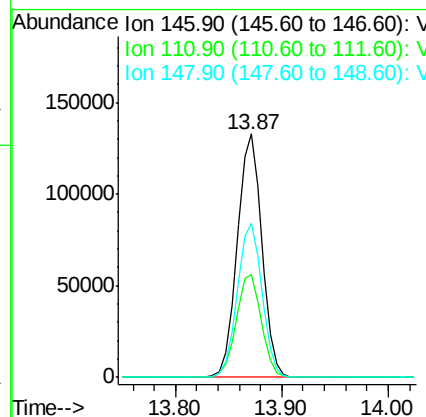
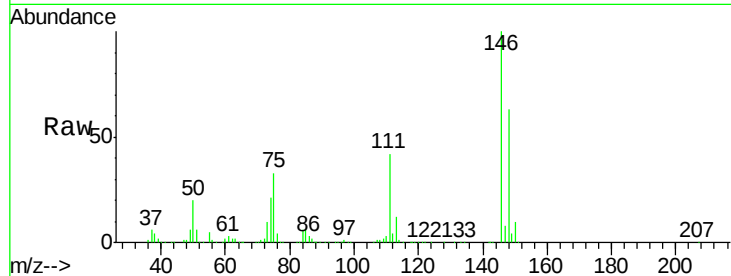
#91
 1,2-Dichlorobenzene
 Concen: 52.317 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.7	32.5	97.4

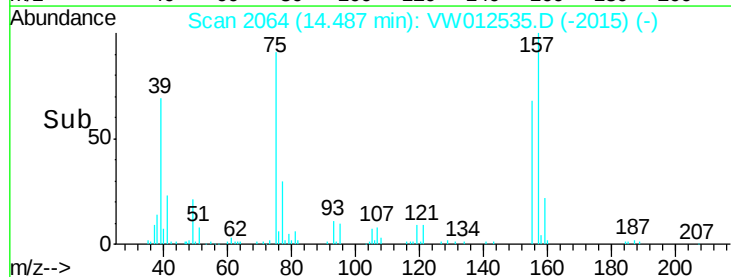
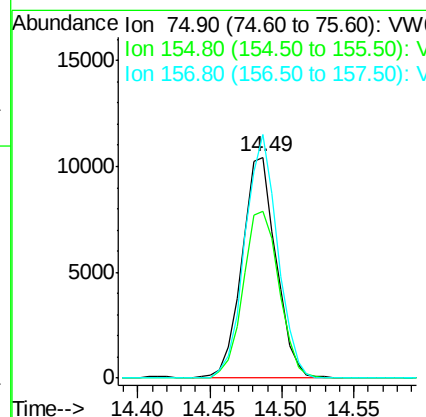
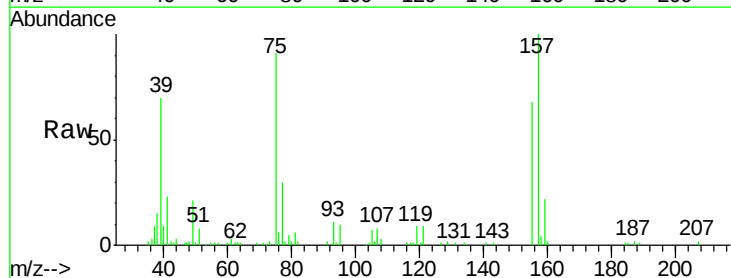
Manual Integrations
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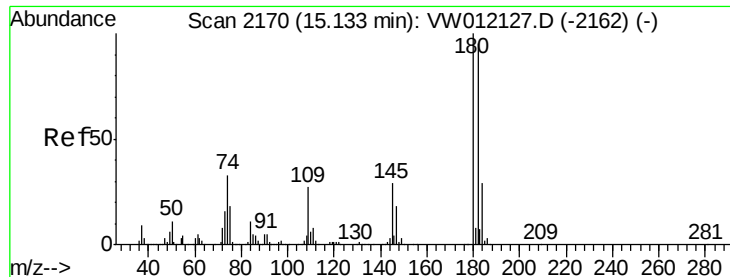
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.017 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	37.5	112.3
157	105.0	50.5	151.5





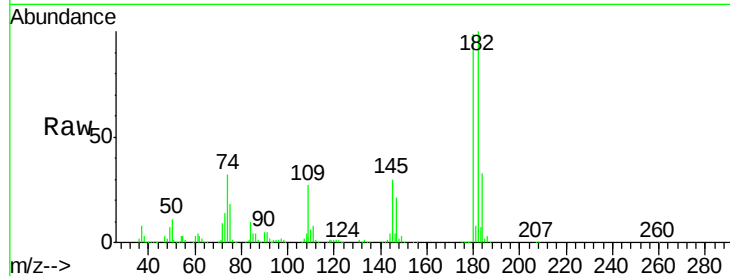
#93
 1,2,4-Trichlorobenzene
 Concen: 53.751 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152952		
182	96.3	47.8	143.4	
145	30.6	15.0	45.1	

Manual Integrations
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 9/4/2019 9:34:53 AM

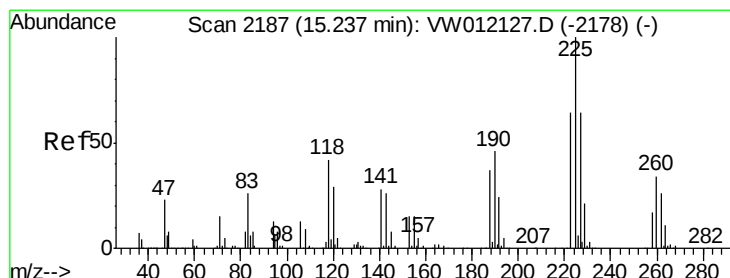
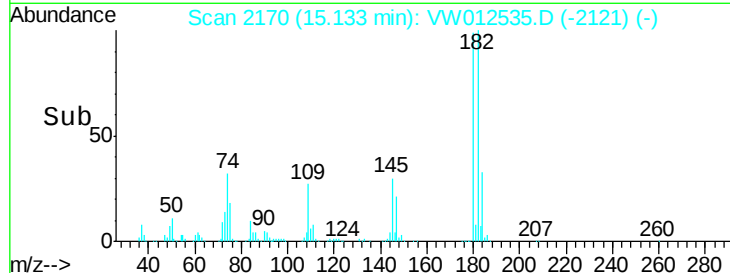
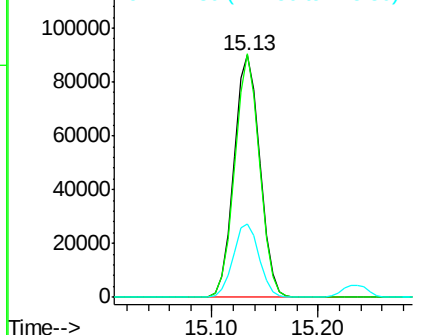


Abundance

Ion 179.80 (179.50 to 180.50): V

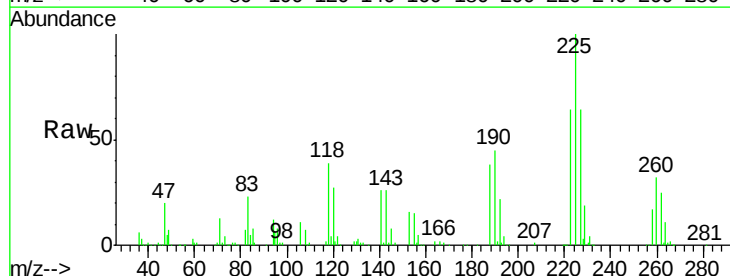
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 54.200 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012535.D
 Acq: 03 Sep 2019 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101838		
223	63.1	32.3	96.8	
227	63.3	32.9	98.6	

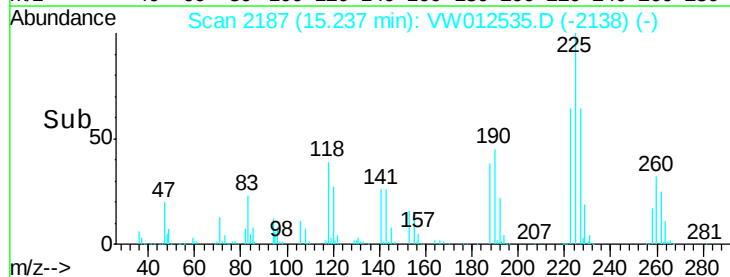
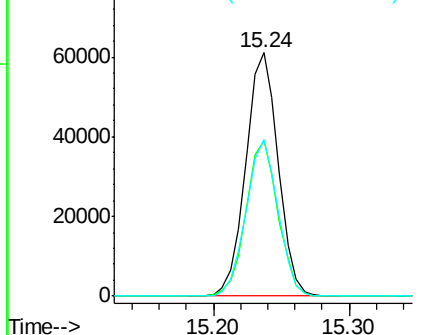


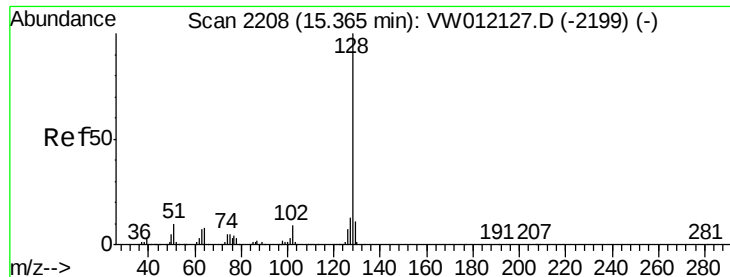
Abundance

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





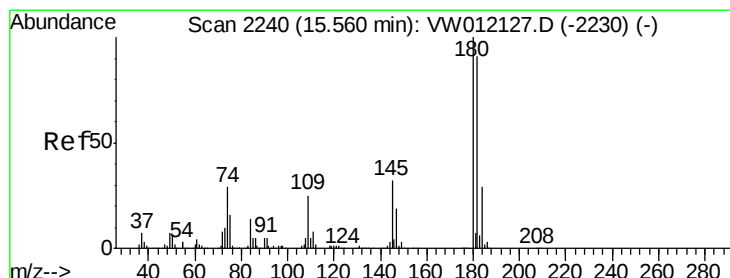
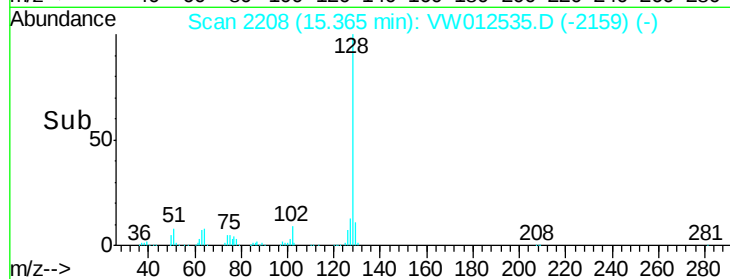
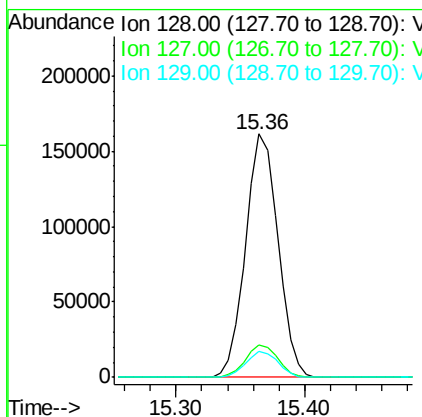
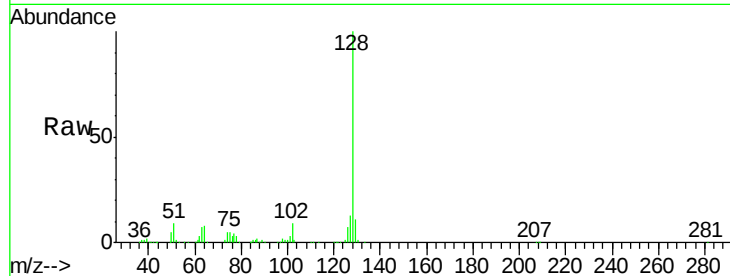
#95
Naphthalene
Concen: 50.333 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	281226
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/4/2019 9:34:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.693 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012535.D
Acq: 03 Sep 2019 09:08

Tgt Ion:	180	Resp:	135786
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.1	141.3
145	32.1	16.2	48.5

