

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012533.D
 Acq On : 03 Sep 2019 07:06
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.62G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:56:35 AM

Quant Time: Sep 03 08:33:57 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	183915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	306569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131101	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	124494	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	7.88	113	101779	55.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.24%	
50) Toluene-d8	10.32	98	392449	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.62	95	142205	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	48867	43.152	ug/l	96
3) Chloromethane	2.21	50	82024	46.752	ug/l	100
4) Vinyl Chloride	2.36	62	91873	42.784	ug/l	97
5) Bromomethane	2.76	94	50510	46.445	ug/l	100
6) Chloroethane	2.91	64	59689	49.273	ug/l	99
7) Trichlorofluoromethane	3.25	101	53431	49.552	ug/l	98
8) Diethyl Ether	3.68	74	57716	56.392	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	87631	47.812	ug/l	98
10) Methyl Iodide	4.27	142	136221	54.930	ug/l	99
11) Tert butyl alcohol	5.18	59	39180	297.787	ug/l	100
12) 1,1-Dichloroethene	4.04	96	90470	49.042	ug/l	100
13) Acrolein	3.90	56	6118	49.398	ug/l	97
14) Allyl chloride	4.66	41	202876	51.442	ug/l	99
15) Acrylonitrile	5.37	53	145021	285.868	ug/l	99
16) Acetone	4.12	43	121901	218.123	ug/l	98
17) Carbon Disulfide	4.38	76	250930	45.008	ug/l	99
18) Methyl Acetate	4.67	43	87932	63.525	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	184653	61.896	ug/l	99
20) Methylene Chloride	4.91	84	110284	52.200	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	105901	53.533	ug/l	95
22) Diisopropyl ether	6.31	45	417271	57.080	ug/l	97
23) Vinyl Acetate	6.25	43	1211391	269.268	ug/l	99
24) 1,1-Dichloroethane	6.21	63	218228	54.827	ug/l	99
25) 2-Butanone	7.17	43	195275	257.133	ug/l	97
26) 2,2-Dichloropropane	7.16	77	100980	44.822	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	119809	56.686	ug/l	98
28) Bromochloromethane	7.51	49	95347	54.961	ug/l	96
29) Tetrahydrofuran	7.53	42	135327	297.013	ug/l	99
30) Chloroform	7.68	83	205034	56.304	ug/l	97
31) Cyclohexane	7.95	56	170614	43.325	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	157696	54.741	ug/l	99
36) 1,1-Dichloropropene	8.08	75	153696	48.515	ug/l	99
37) Ethyl Acetate	7.25	43	93750	54.002	ug/l	99
38) Carbon Tetrachloride	8.07	117	138003	50.329	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	159730	44.880	ug/l	98
40) Benzene	8.32	78	451763	52.224	ug/l	99
41) Methacrylonitrile	7.48	41	64012	62.737	ug/l	93
42) 1,2-Dichloroethane	8.40	62	148956	54.942	ug/l	100
43) Isopropyl Acetate	8.42	43	175921	54.707	ug/l	99
44) Trichloroethene	9.09	130	110724	52.653	ug/l	99
45) 1,2-Dichloropropane	9.37	63	122495	52.615	ug/l	98
46) Dibromomethane	9.46	93	56218	54.272	ug/l	96
47) Bromodichloromethane	9.65	83	152356	55.265	ug/l	99
48) Methyl methacrylate	9.43	41	84671	55.322	ug/l	95
49) 1,4-Dioxane	9.46	88	17464	1101.295	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	452292	276.530	ug/l	100
52) Toluene	10.38	92	276635	53.232	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	148283	52.804	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	175645	51.802	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	81396	55.538	ug/l	98
56) Ethyl methacrylate	10.65	69	121965	57.179	ug/l	99
57) 1,3-Dichloropropane	10.93	76	151935	54.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	309918	283.102	ug/l	99
59) 2-Hexanone	10.97	43	301688	260.685	ug/l	98
60) Dibromochloromethane	11.13	129	94007	57.587	ug/l	100
61) 1,2-Dibromoethane	11.23	107	75796	55.513	ug/l	100
64) Tetrachloroethene	10.86	164	97758	56.067	ug/l	99
65) Chlorobenzene	11.66	112	282455	53.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	103348	55.942	ug/l	99
67) Ethyl Benzene	11.73	91	535067	52.452	ug/l	100
68) m/p-Xylenes	11.84	106	385764	104.983	ug/l	100
69) o-Xylene	12.16	106	183565	53.975	ug/l	100
70) Styrene	12.18	104	323481	54.952	ug/l	99
71) Bromoform	12.35	173	53179	57.776	ug/l #	99
73) Isopropylbenzene	12.46	105	506812	51.591	ug/l	99
74) N-amyl acetate	12.27	43	156589	52.759	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	94460	52.450	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64099m	50.202	ug/l	
77) Bromobenzene	12.74	156	115914	54.542	ug/l	95
78) n-propylbenzene	12.80	91	603493	50.322	ug/l	98
79) 2-Chlorotoluene	12.89	91	353059	51.854	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	428260	52.172	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	28159	48.354	ug/l	99
82) 4-Chlorotoluene	12.99	91	370788	52.010	ug/l	100
83) tert-Butylbenzene	13.21	119	366892	52.765	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	430876	52.254	ug/l	100
85) sec-Butylbenzene	13.38	105	494272	49.616	ug/l	100
86) p-Isopropyltoluene	13.50	119	450087	50.591	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	218936	52.668	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	217070	52.592	ug/l	100
89) n-Butylbenzene	13.82	91	427486	48.319	ug/l	99
90) Hexachloroethane	14.09	117	79168	50.720	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	199074	54.591	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16215	53.407	ug/l	97

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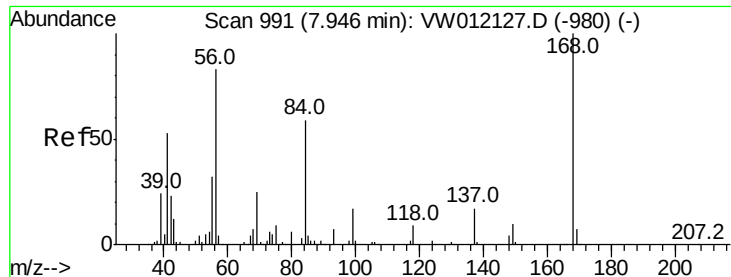
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	137962	54.745	ug/l	99
94) Hexachlorobutadiene	15.24	225	81866	49.198	ug/l	98
95) Naphthalene	15.36	128	254504	51.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	122839	55.869	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183915

Ion Ratio Lower Upper

168 100

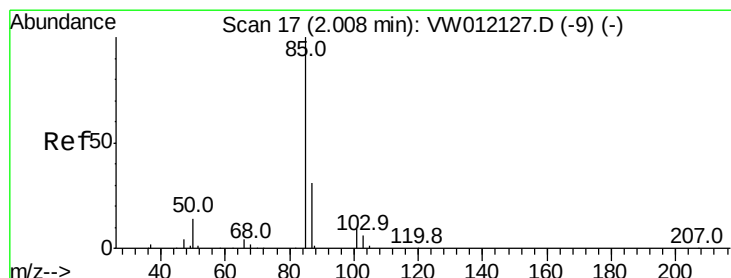
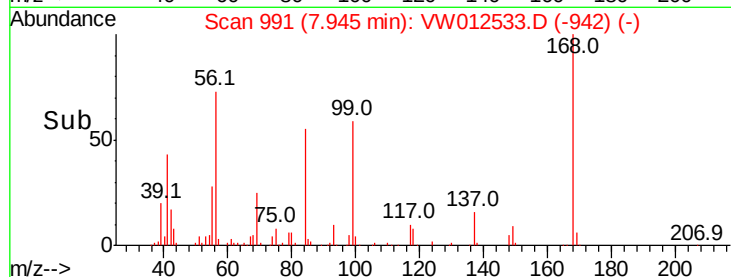
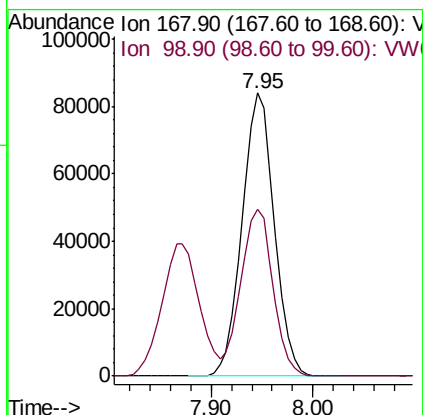
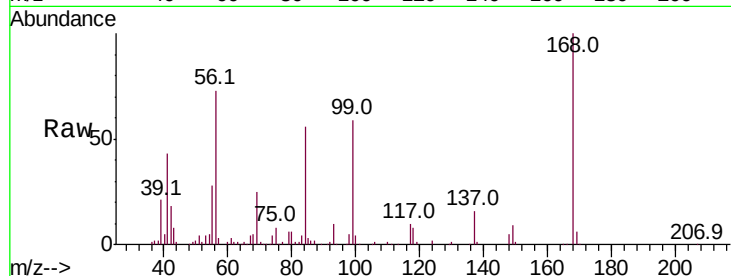
99 59.0 49.2 73.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 43.152 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012533.D

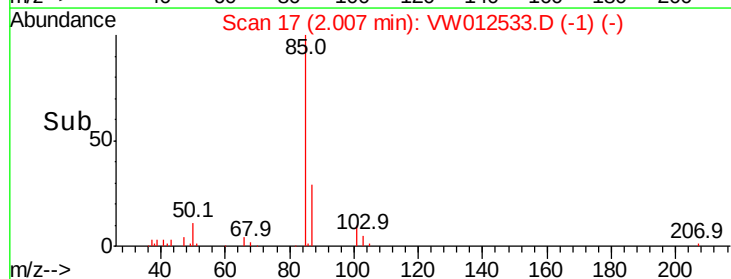
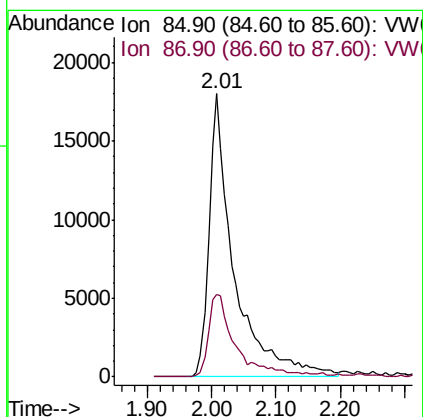
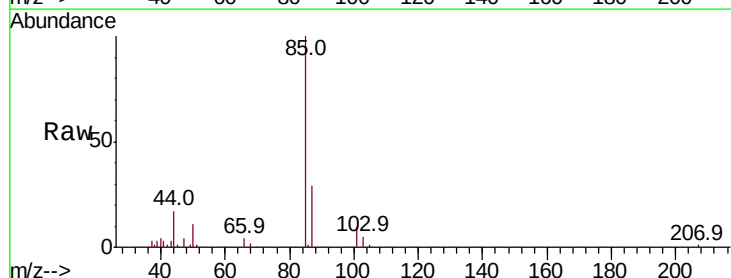
Acq: 03 Sep 2019 07:06

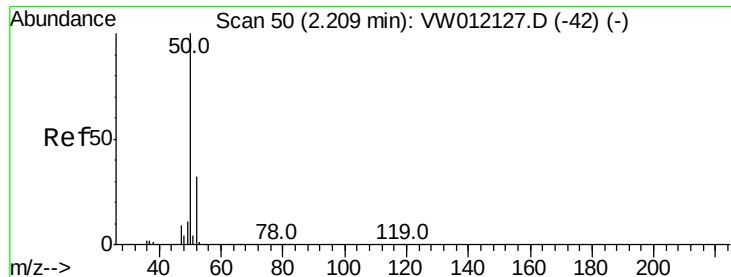
Tgt Ion: 85 Resp: 48867

Ion Ratio Lower Upper

85 100

87 29.0 15.6 46.8





#3

Chloromethane

Concen: 46.752 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 82024

Ion Ratio Lower Upper

50 100

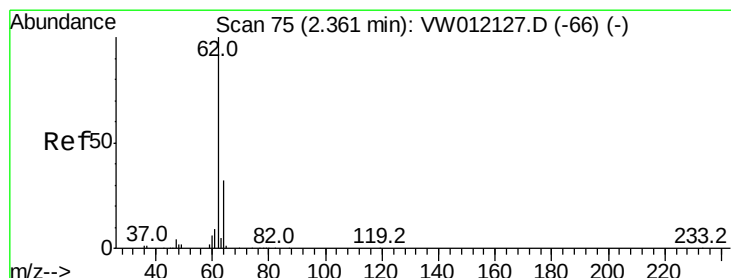
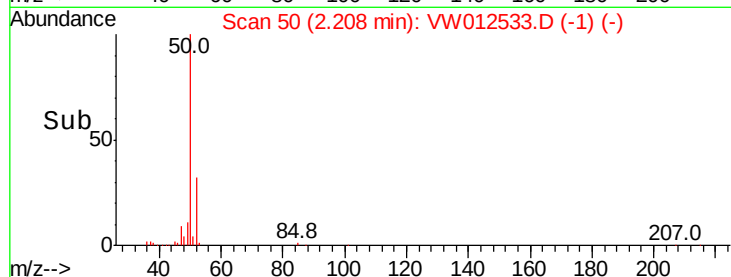
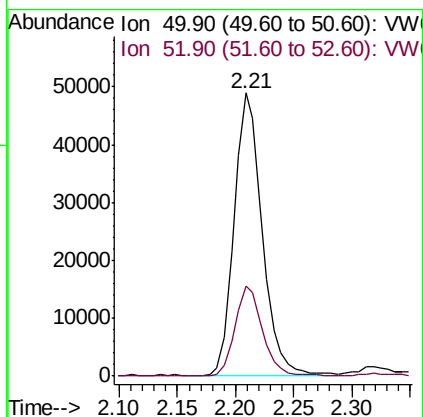
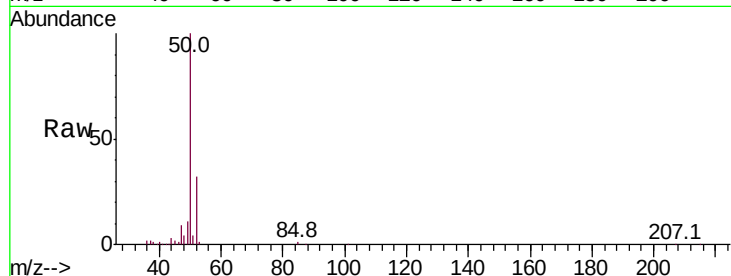
52 31.9 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.784 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012533.D

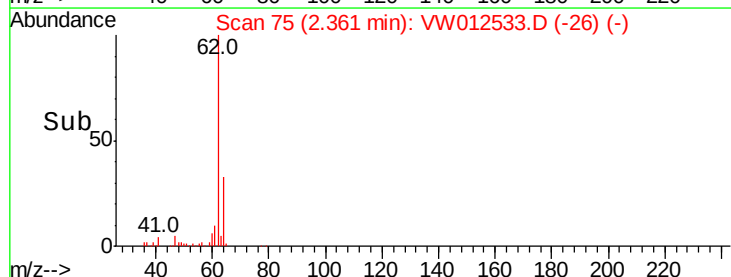
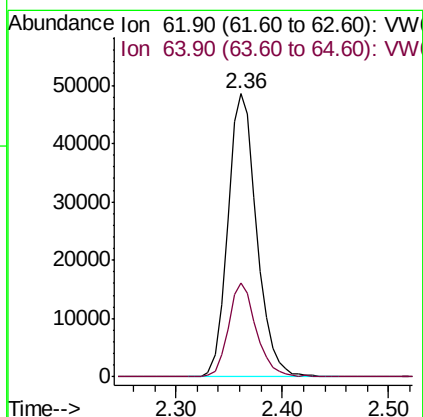
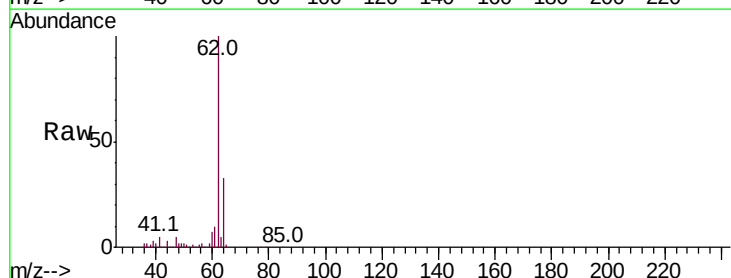
Acq: 03 Sep 2019 07:06

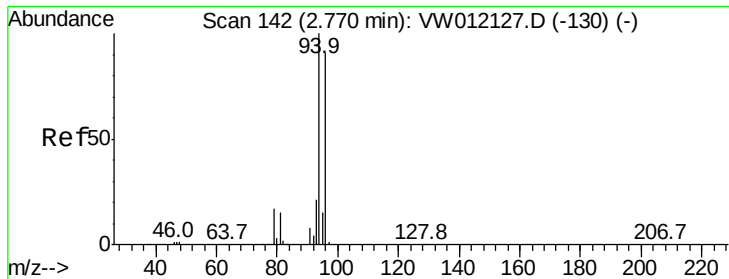
Tgt Ion: 62 Resp: 91873

Ion Ratio Lower Upper

62 100

64 33.1 25.3 37.9





#5

Bromomethane

Concen: 46.445 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 50510

Ion Ratio Lower Upper

94 100

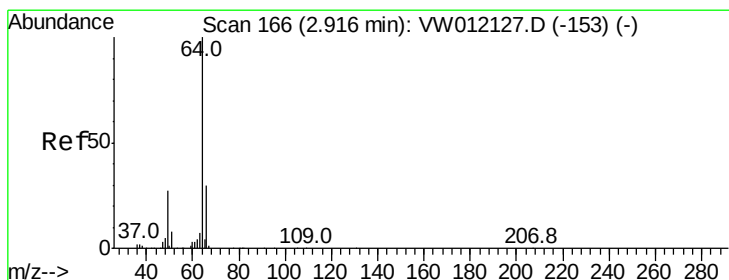
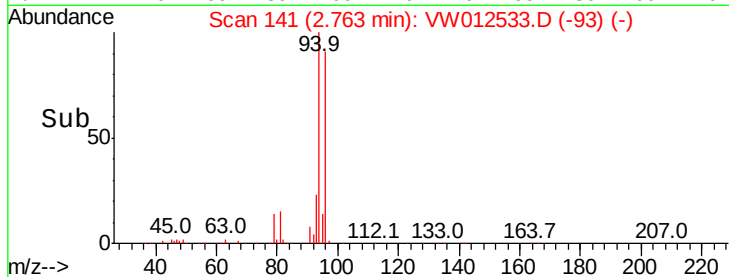
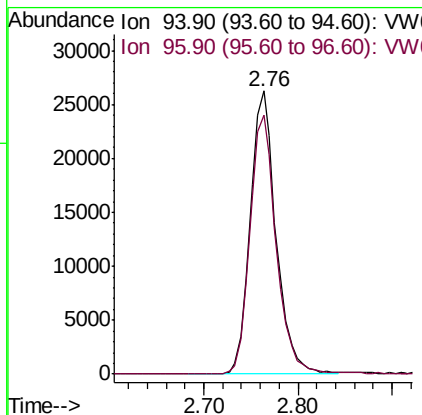
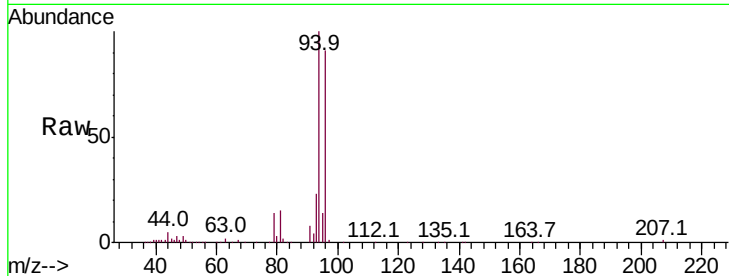
96 91.5 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 49.273 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012533.D

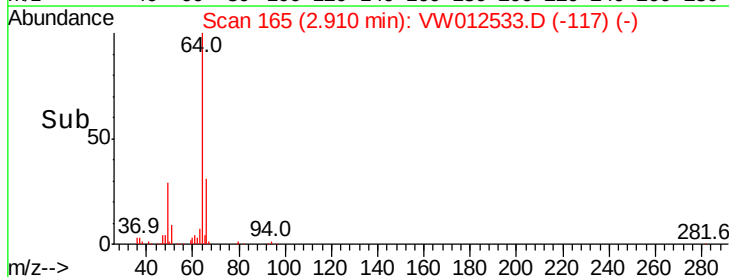
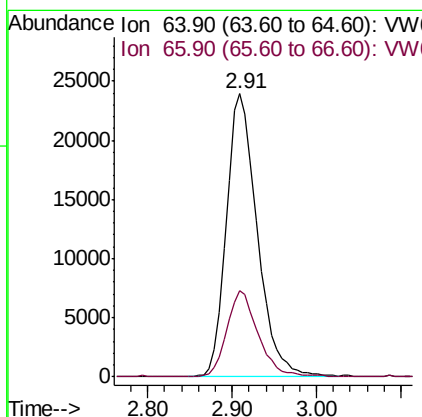
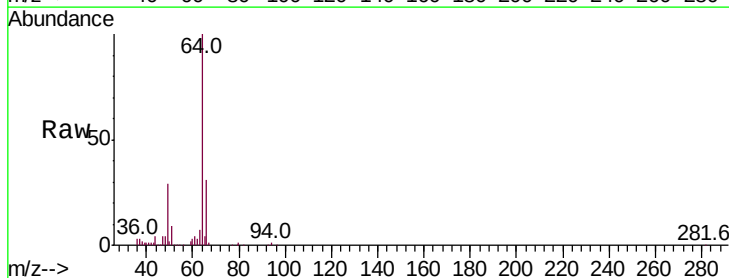
Acq: 03 Sep 2019 07:06

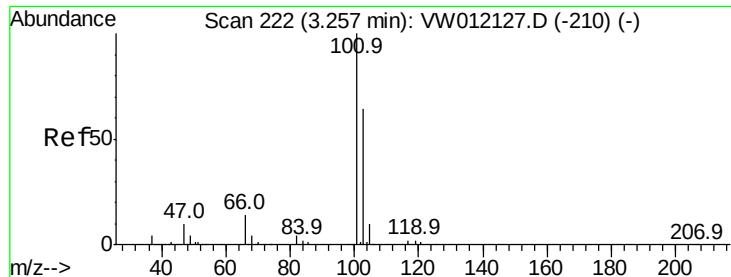
Tgt Ion: 64 Resp: 59689

Ion Ratio Lower Upper

64 100

66 30.6 23.8 35.8





#7

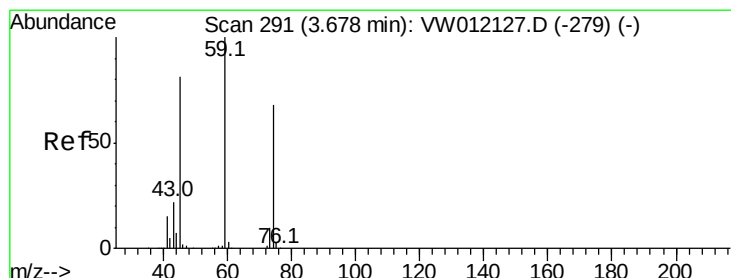
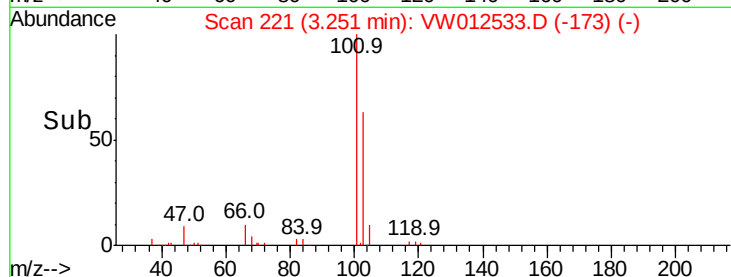
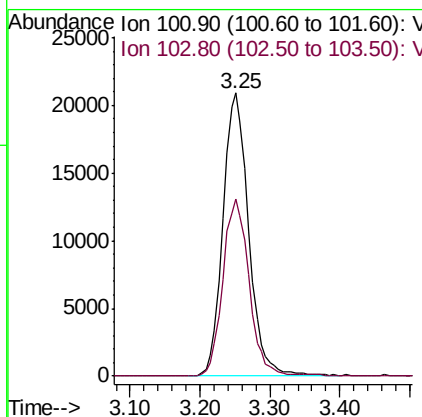
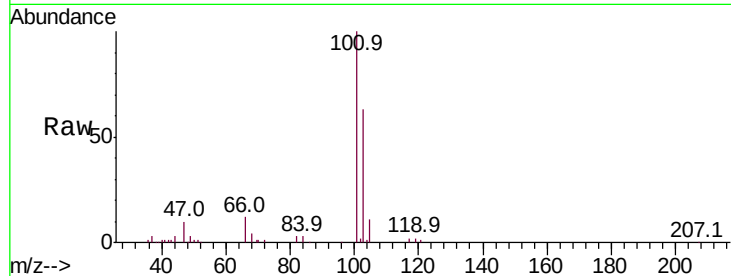
Trichlorofluoromethane
 Concen: 49.552 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.2	76.8

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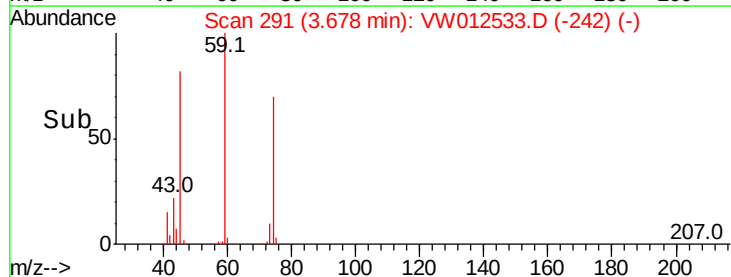
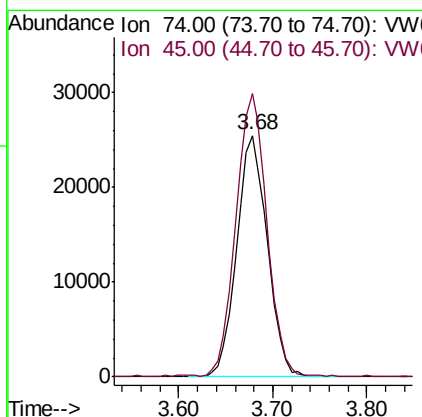
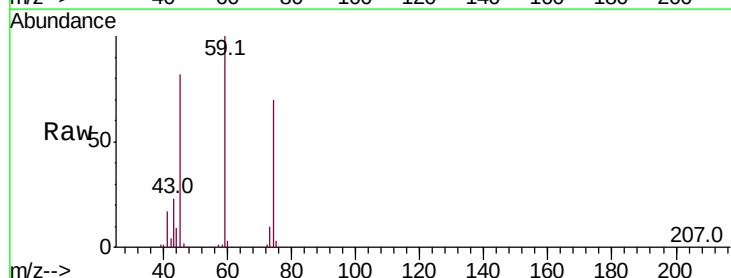
MMDadoda
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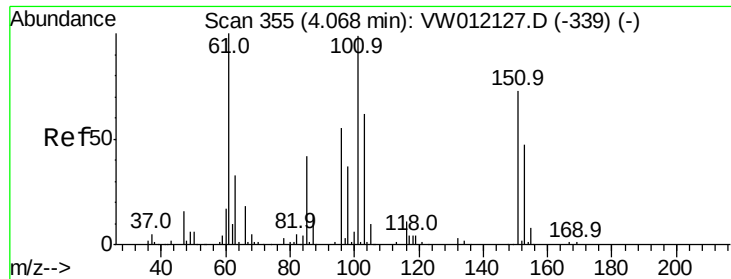


#8

Diethyl Ether
 Concen: 56.392 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.6	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.812 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

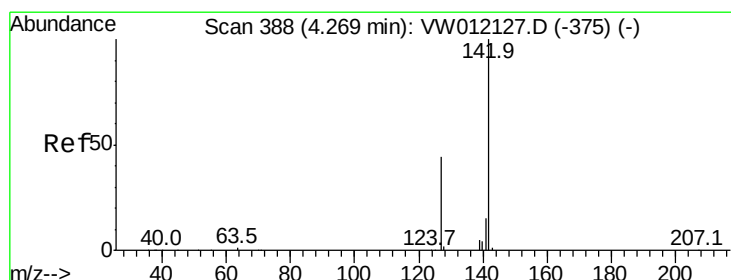
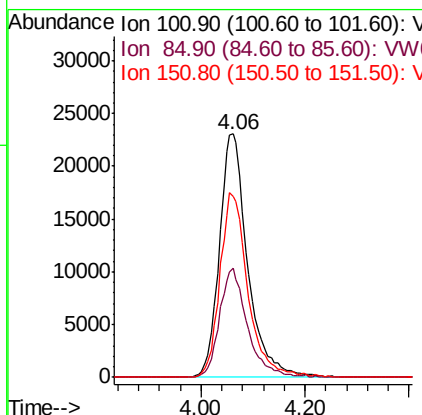
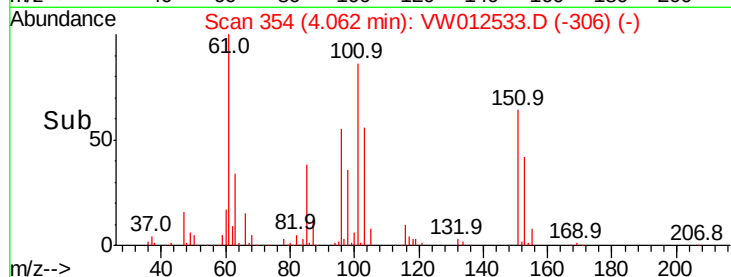
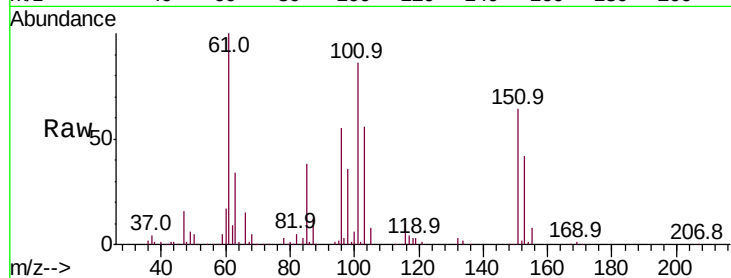
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	87631
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.8	53.6
151	74.7	58.6	87.8

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#10

Methyl Iodide

Concen: 54.930 ug/l

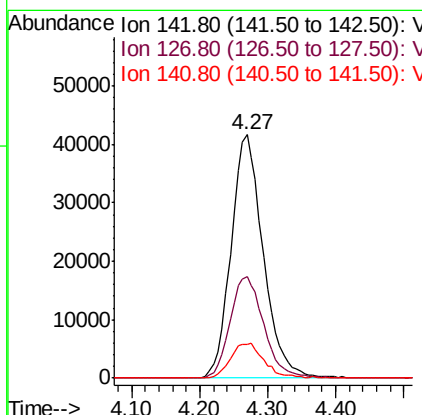
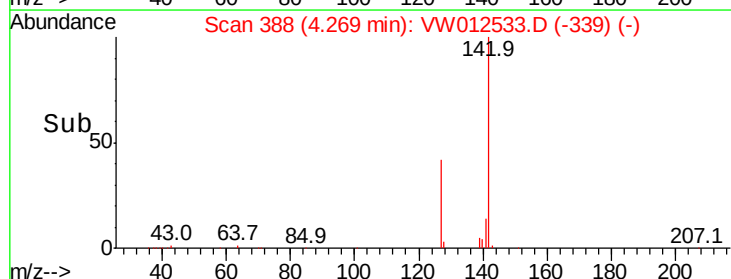
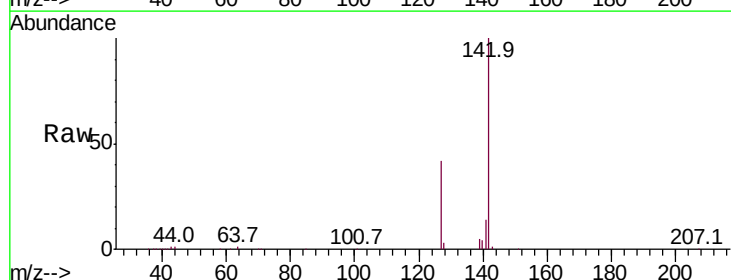
RT: 4.27 min Scan# 388

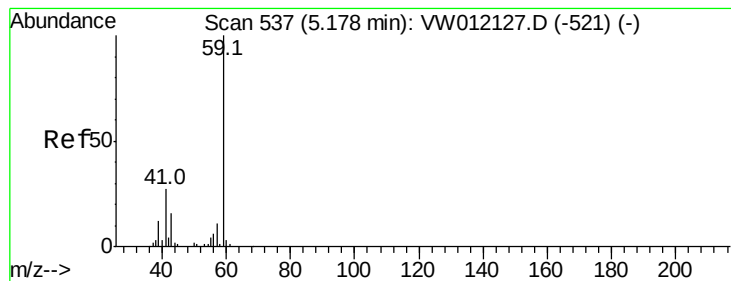
Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion:	142	Resp:	136221
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.5	53.3
141	15.1	11.8	17.8





#11

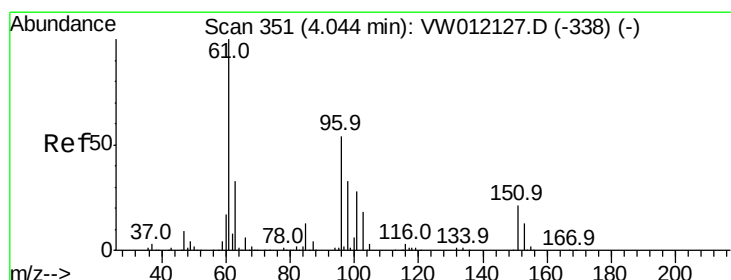
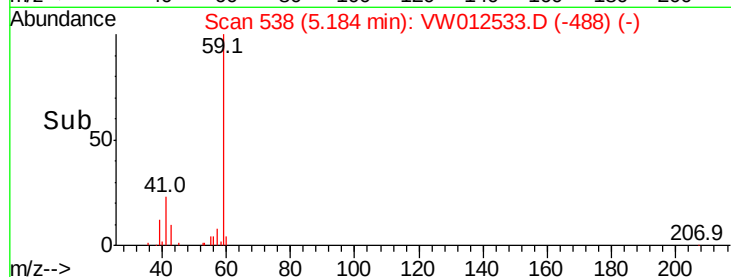
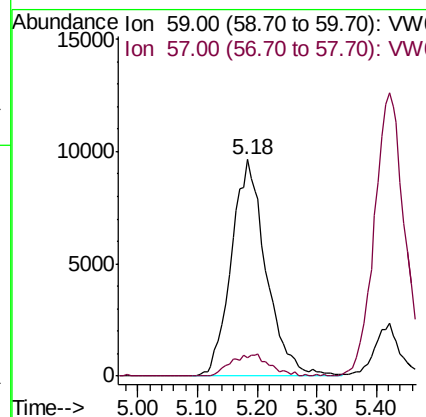
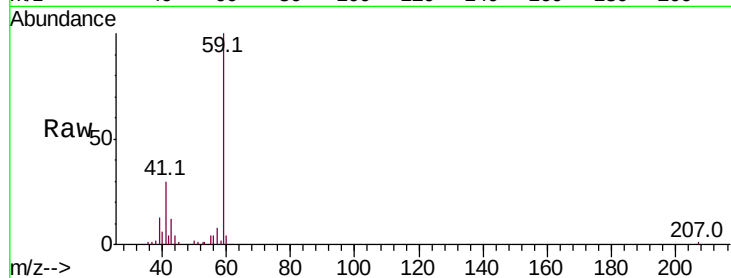
Tert butyl alcohol
 Concen: 297.787 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

Manual Integrations
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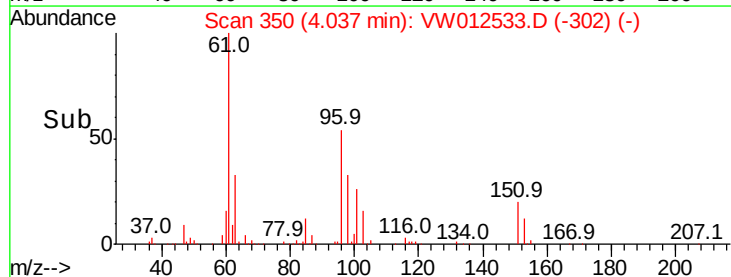
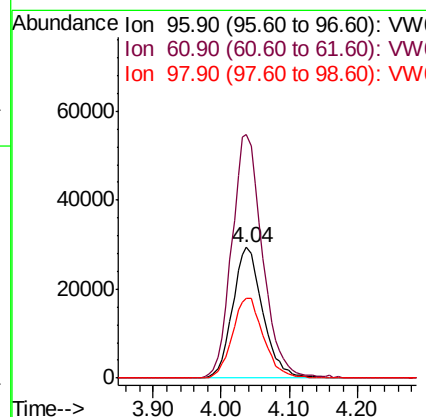
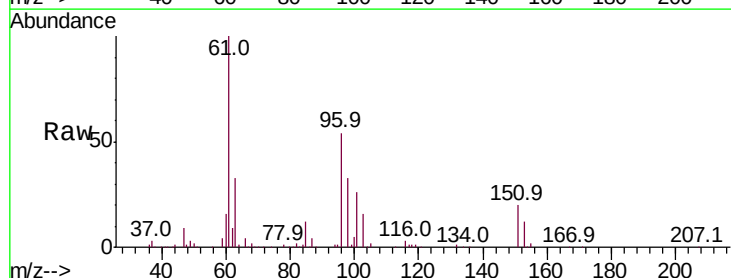
MMDadoda
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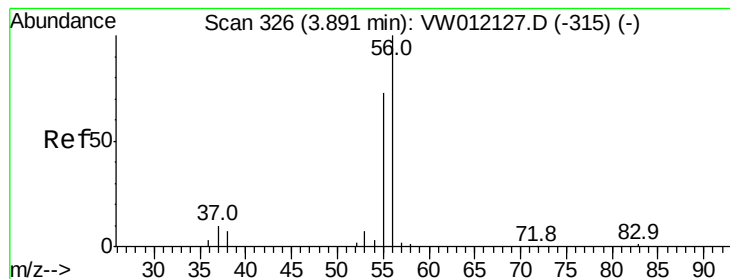


#12

1,1-Dichloroethene
 Concen: 49.042 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.8	149.1	223.7
98	61.2	49.4	74.2





#13

Acrolein

Concen: 49.398 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 6118

Ion Ratio Lower Upper

56 100

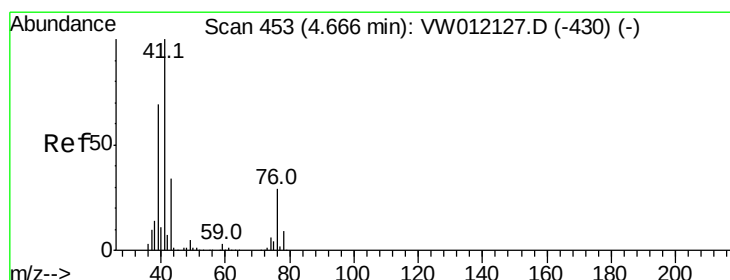
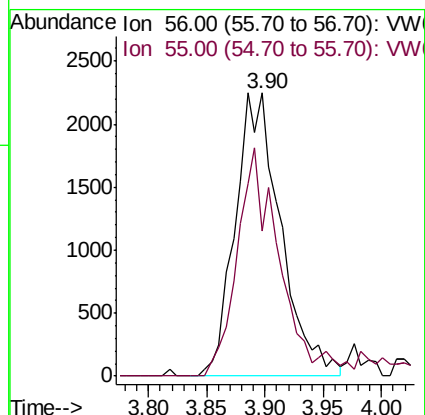
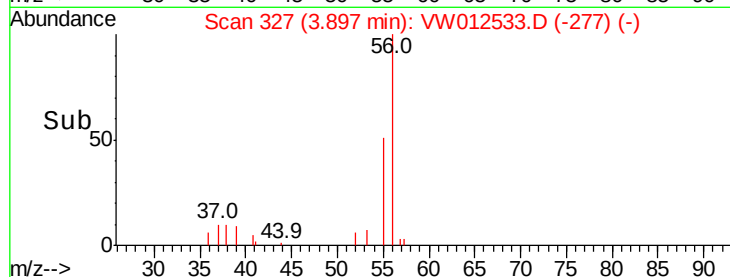
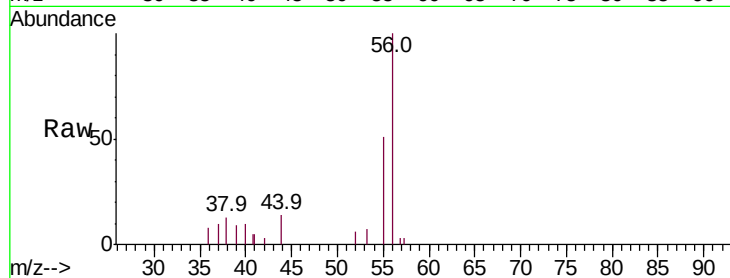
55 71.9 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 51.442 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

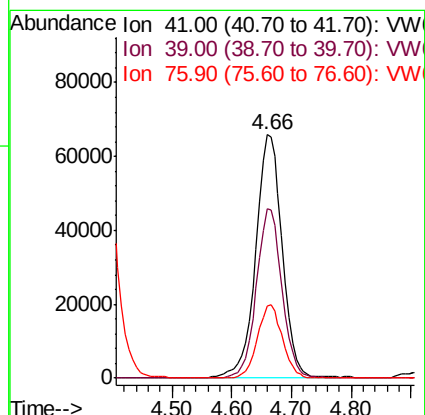
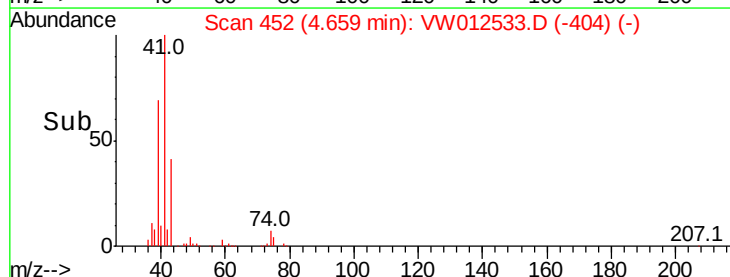
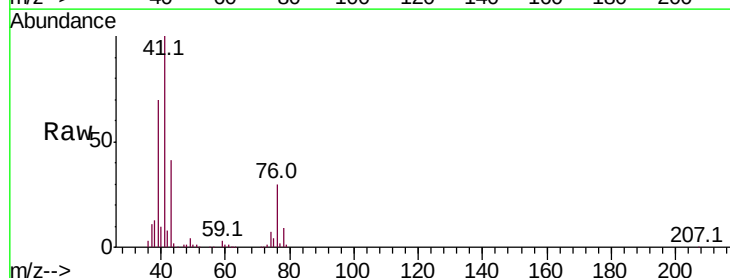
Tgt Ion: 41 Resp: 202876

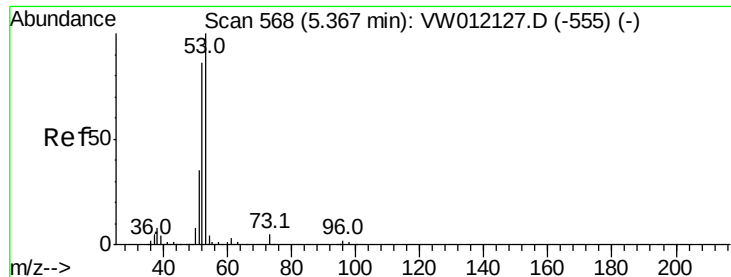
Ion Ratio Lower Upper

41 100

39 67.1 53.4 80.2

76 28.4 22.1 33.1





#15

Acrylonitrile

Concen: 285.868 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

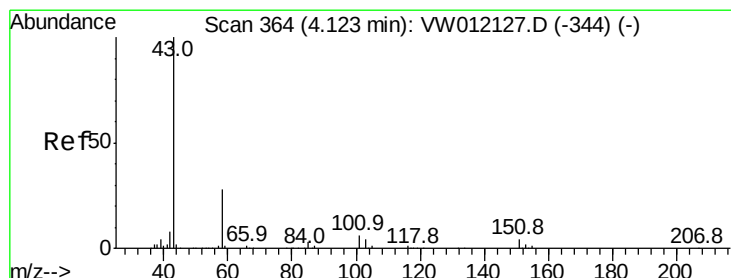
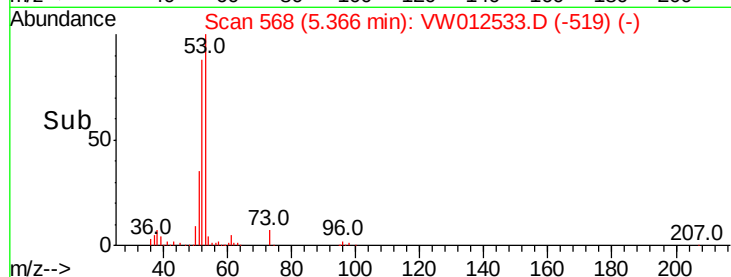
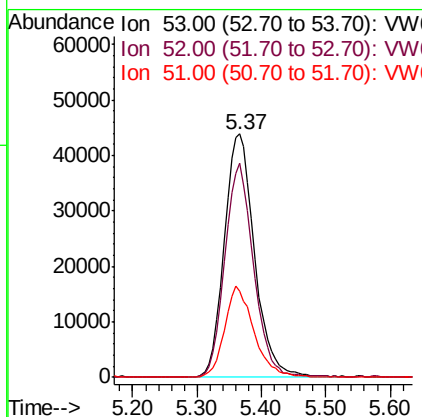
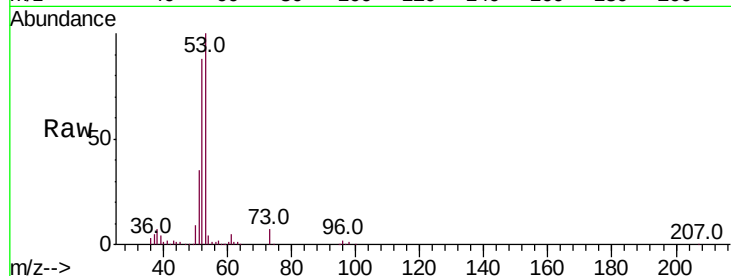
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	145021
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.7	100.1
51	36.5	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 218.123 ug/l

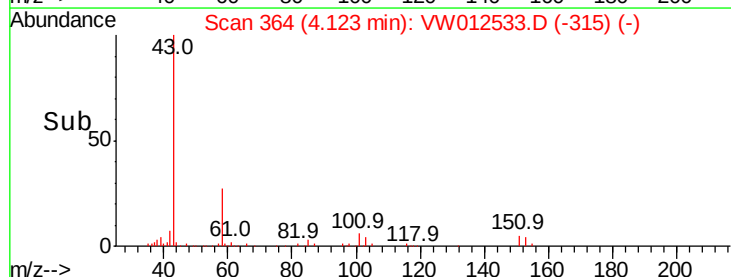
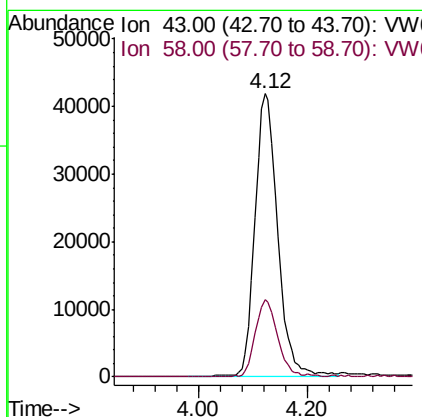
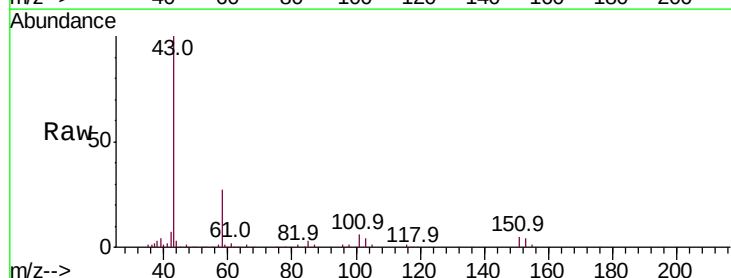
RT: 4.12 min Scan# 364

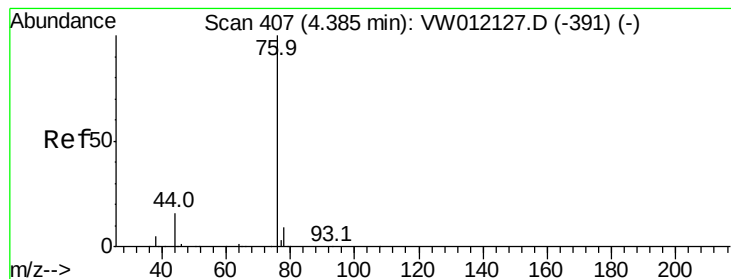
Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion:	43	Resp:	121901
Ion Ratio	Lower	Upper	
43	100		
58	27.1	22.4	33.6





#17

Carbon Disulfide

Concen: 45.008 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 250930

Ion Ratio Lower Upper

76 100

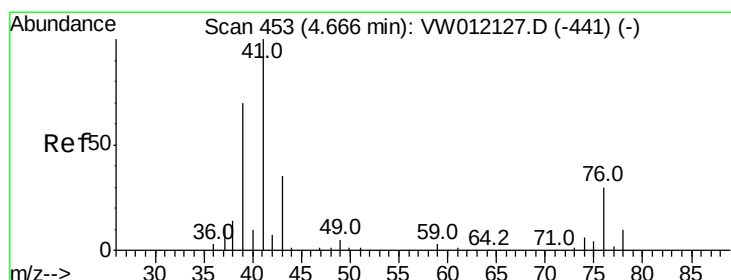
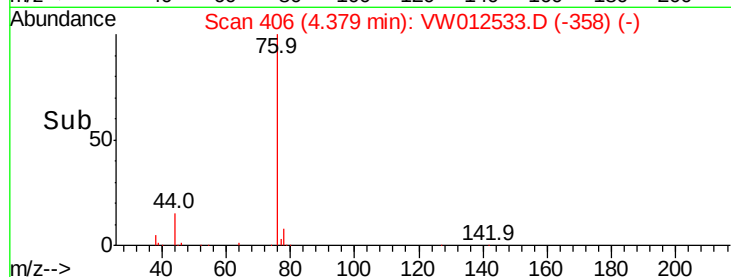
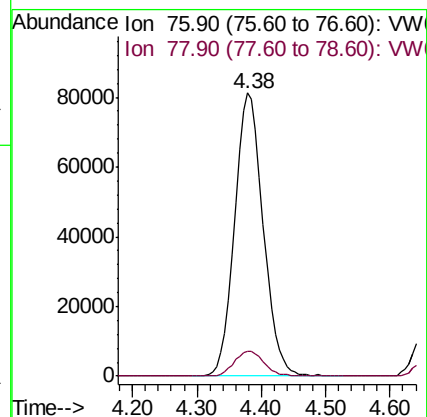
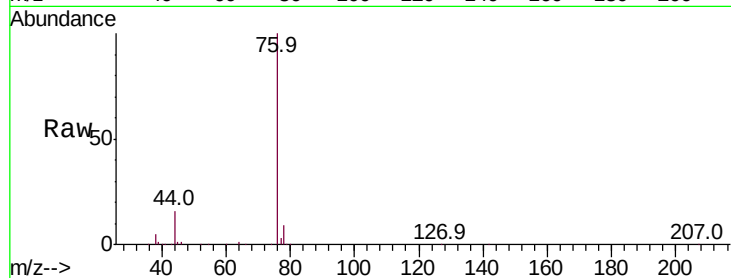
78 8.9 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 63.525 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012533.D

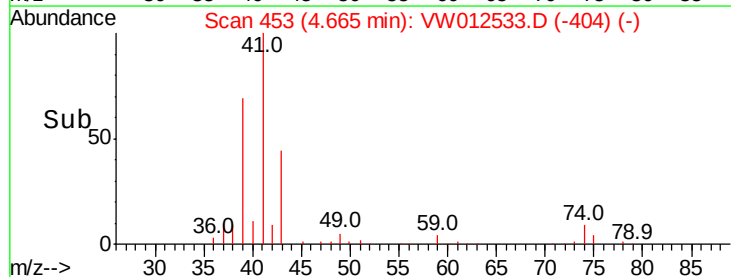
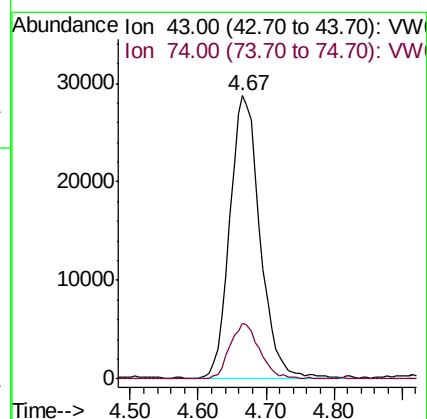
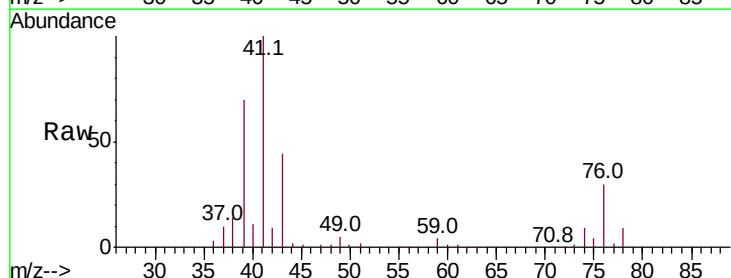
Acq: 03 Sep 2019 07:06

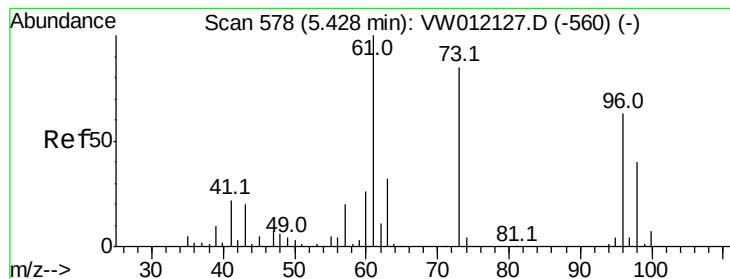
Tgt Ion: 43 Resp: 87932

Ion Ratio Lower Upper

43 100

74 19.6 15.7 23.5





#19

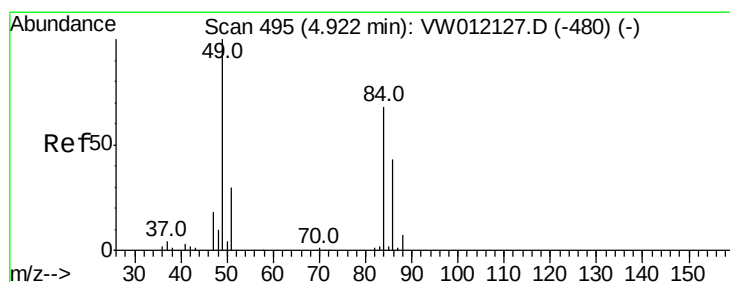
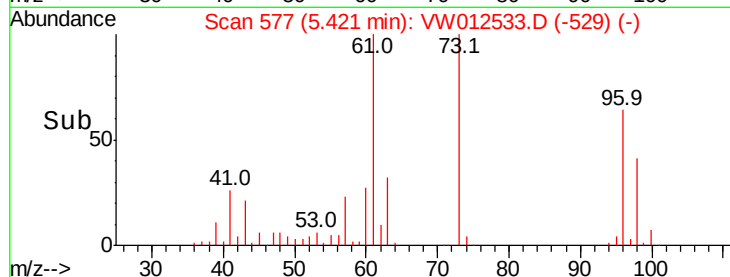
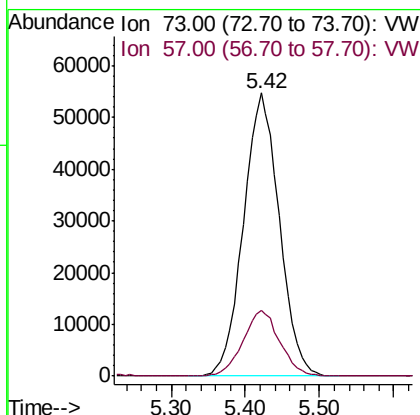
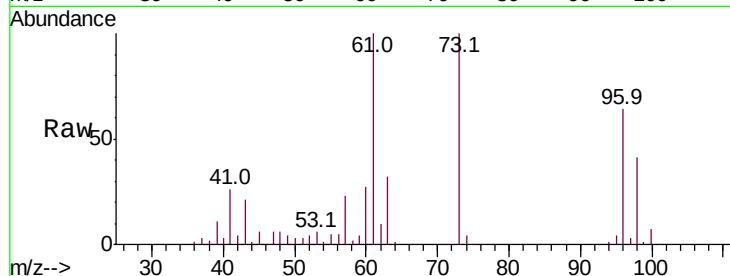
Methyl tert-butyl Ether
 Concen: 61.896 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 184653
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.9 28.3

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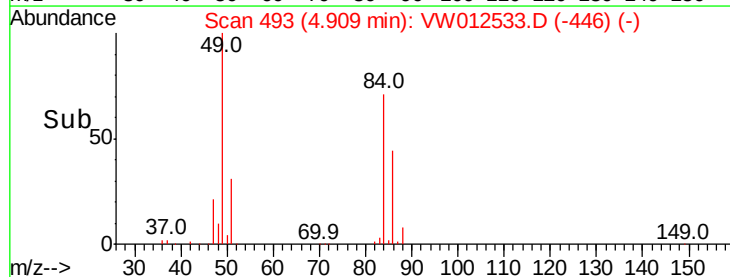
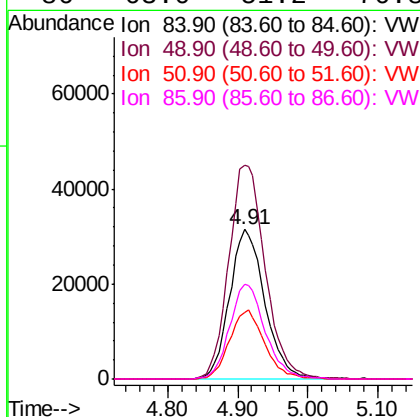
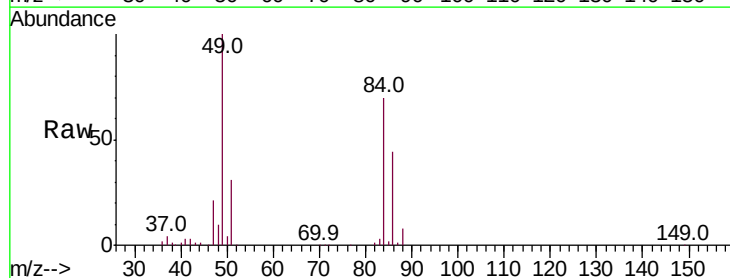
MMDadoda
 9/3/2019 10:56:35 AM

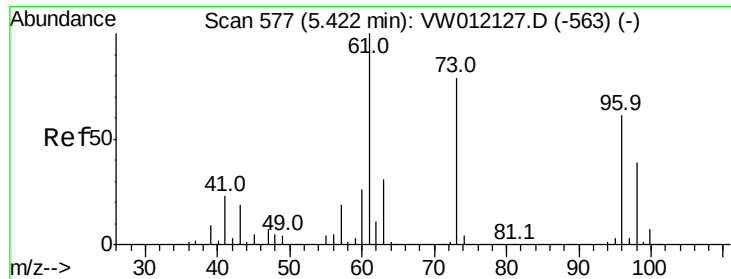


#20

Methylene Chloride
 Concen: 52.200 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion: 84 Resp: 110284
 Ion Ratio Lower Upper
 84 100
 49 142.6 117.8 176.8
 51 44.5 35.6 53.4
 86 63.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 53.533 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 105901

Ion Ratio Lower Upper

96 100

61 155.1 131.4 197.0

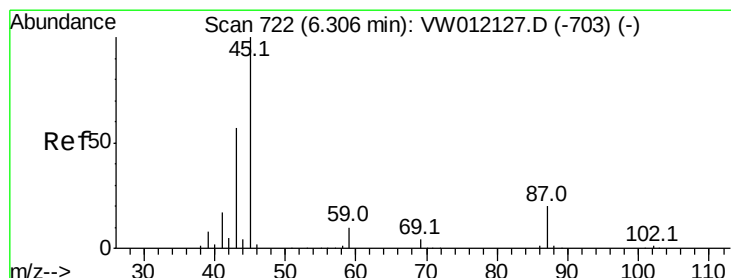
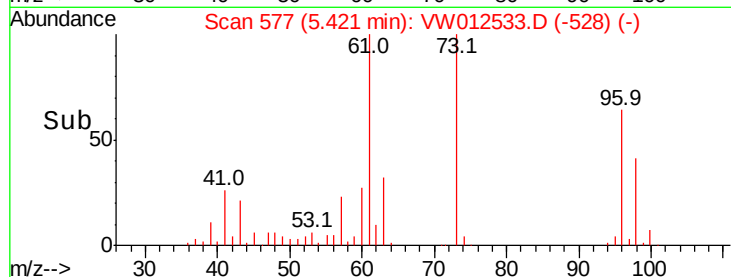
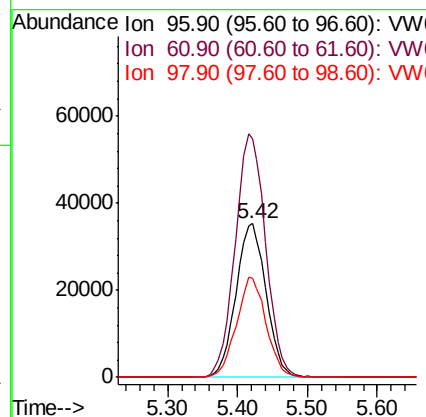
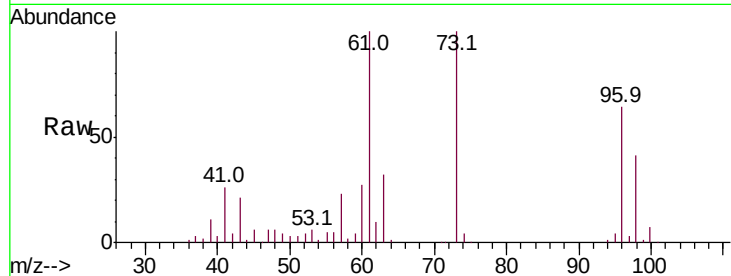
98 64.0 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 57.080 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion: 45 Resp: 417271

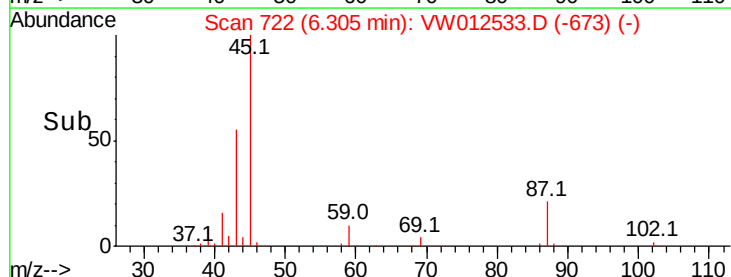
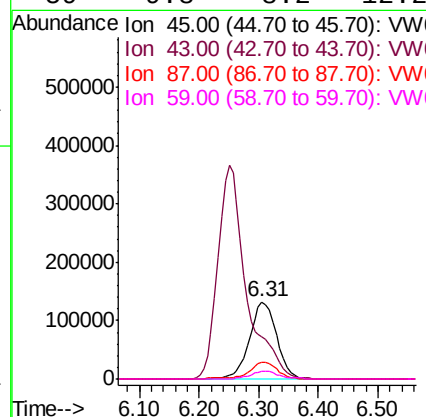
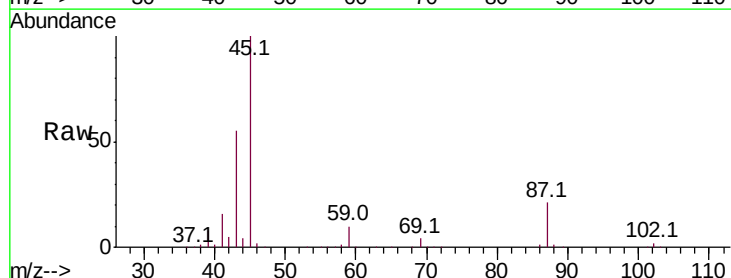
Ion Ratio Lower Upper

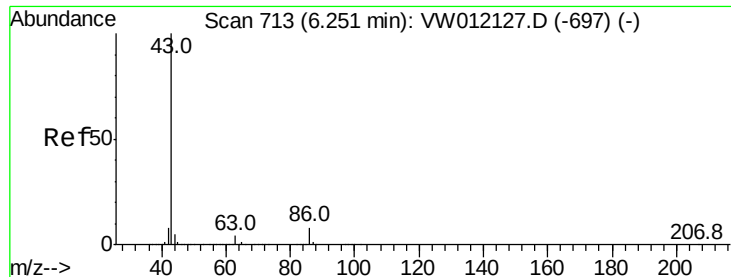
45 100

43 54.4 45.5 68.3

87 21.2 16.1 24.1

59 9.8 8.2 12.2





#23

Vinyl Acetate

Concen: 269.268 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tot Ion: 43 Resp: 1211391

Ion Ratio Lower Upper

43 100

86 8.6 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

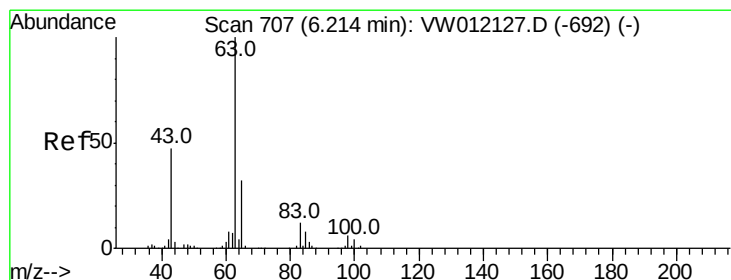
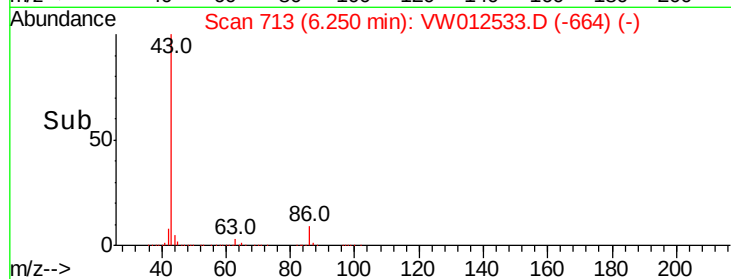
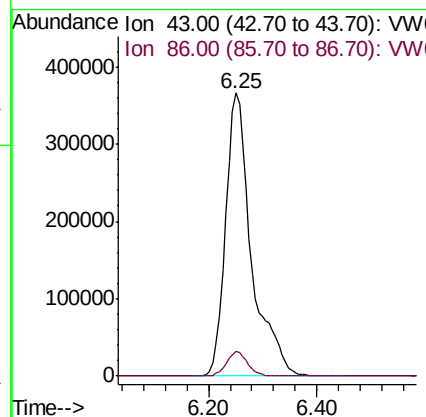
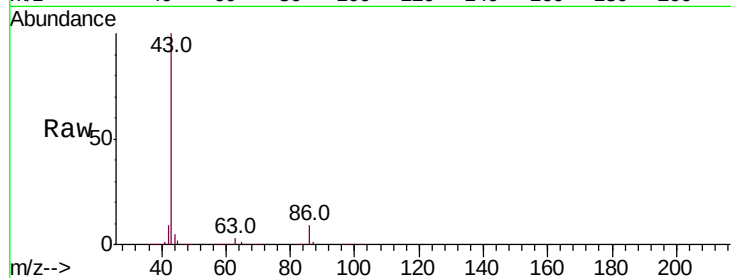
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 54.827 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

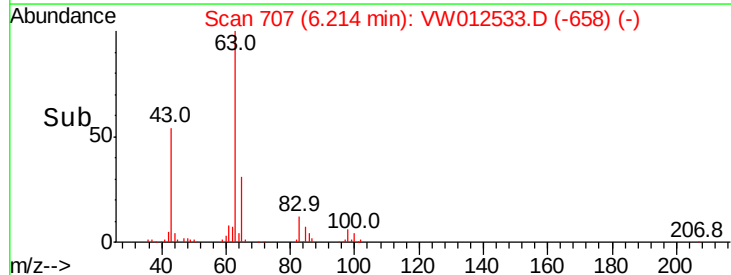
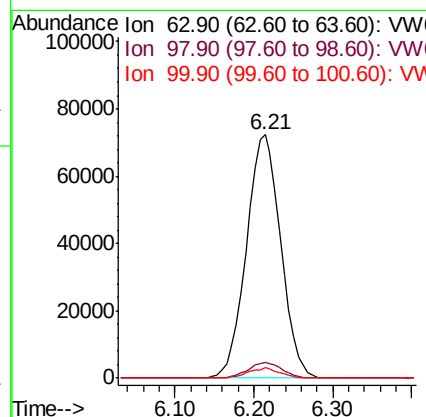
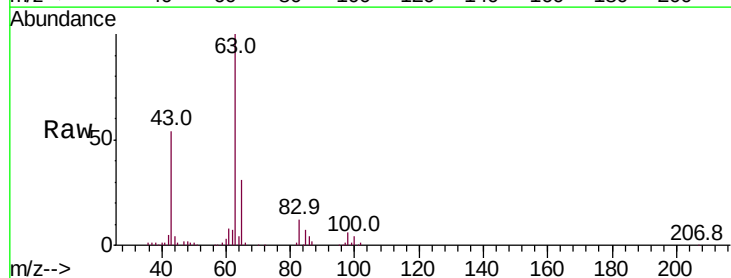
Tgt Ion: 63 Resp: 218228

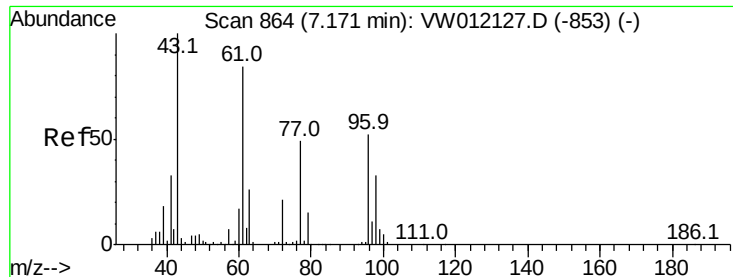
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 257.133 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 195275

Ion Ratio Lower Upper

43 100

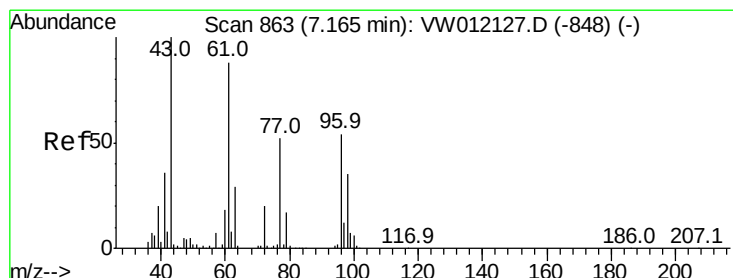
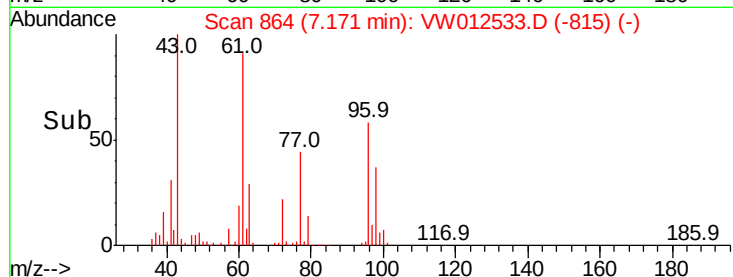
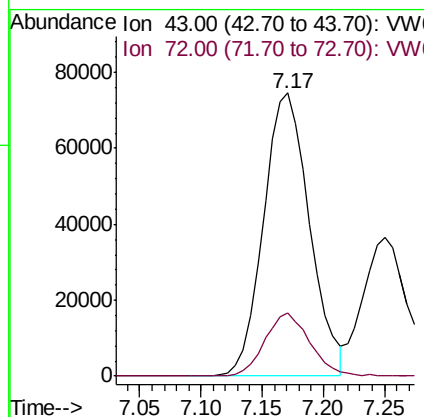
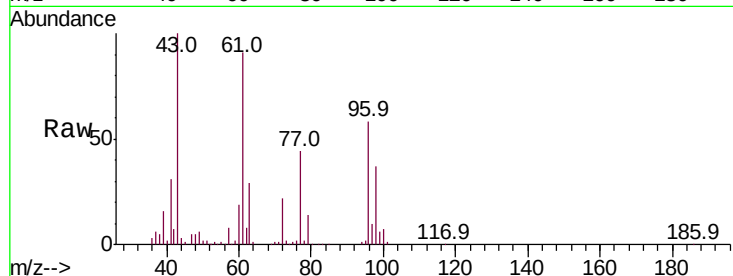
72 22.3 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.822 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012533.D

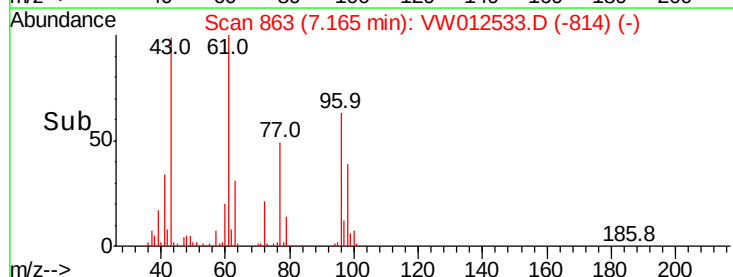
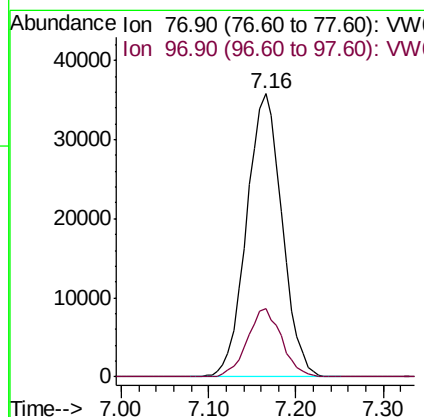
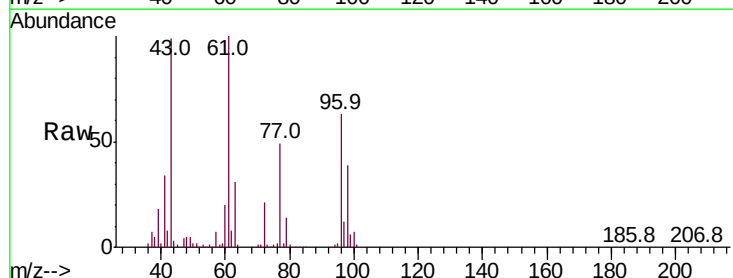
Acq: 03 Sep 2019 07:06

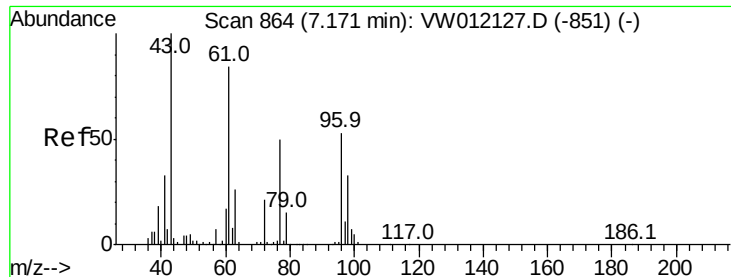
Tgt Ion: 77 Resp: 100980

Ion Ratio Lower Upper

77 100

97 23.3 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 56.686 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

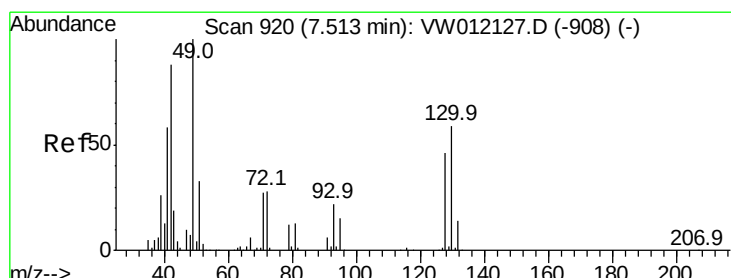
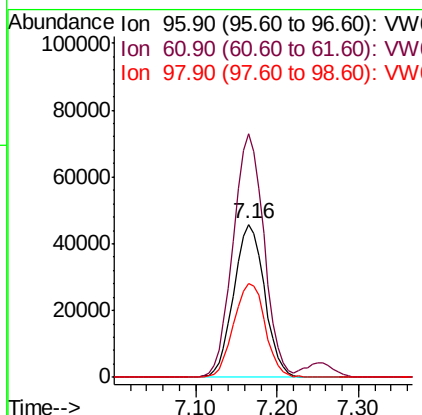
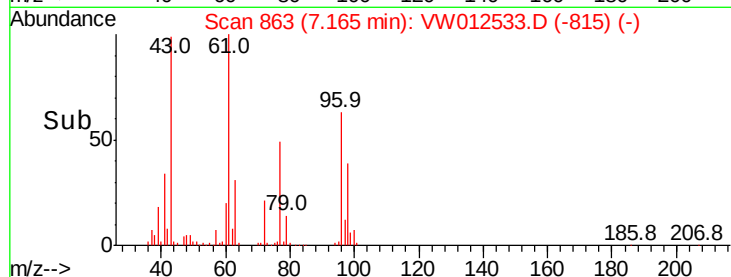
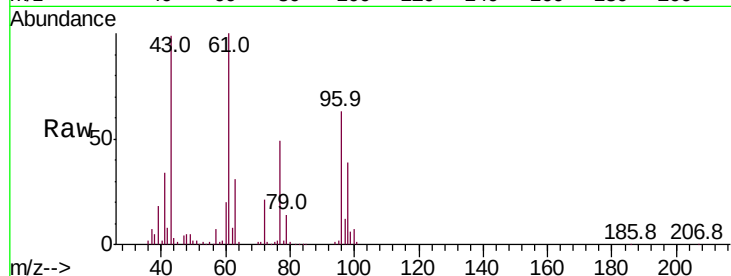
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.7	0.0	326.6	
98	62.8	0.0	127.4	

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#28

Bromochloromethane

Concen: 54.961 ug/l

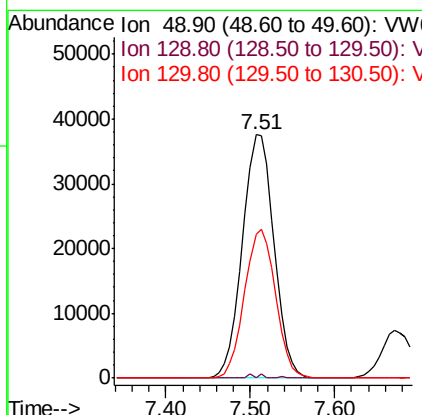
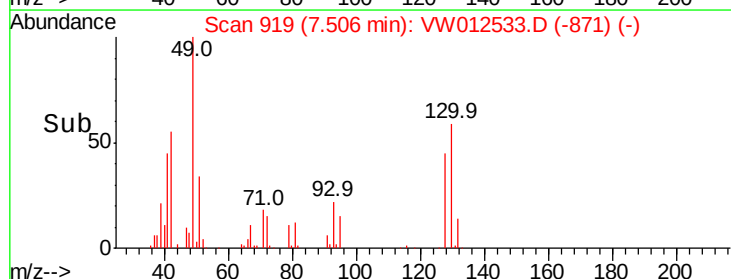
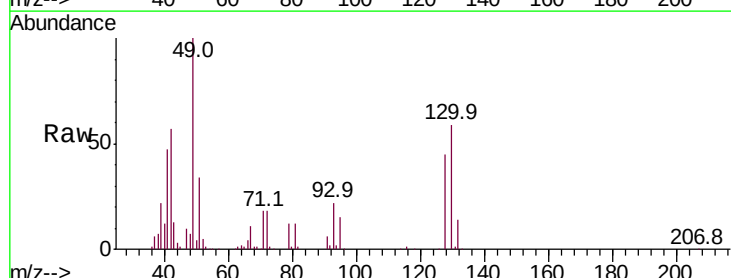
RT: 7.51 min Scan# 919

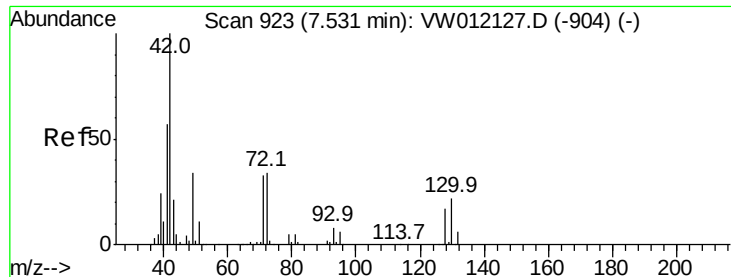
Delta R.T. -0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.6	0.0	1.4	
130	60.2	45.5	68.3	





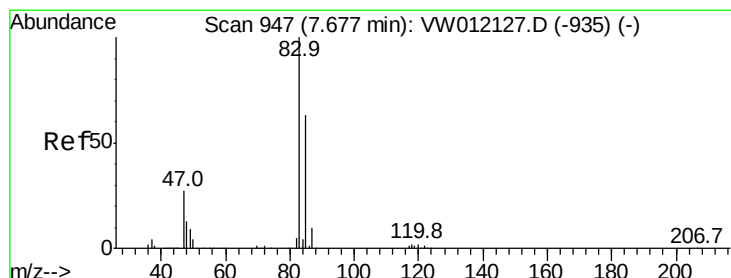
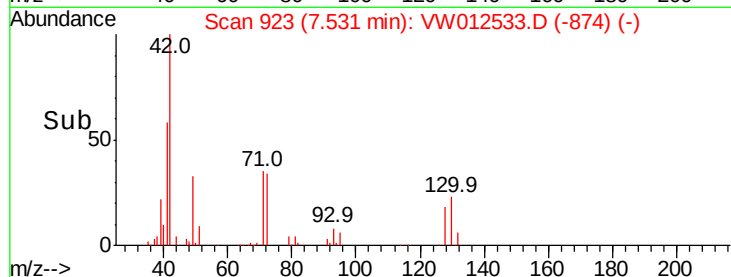
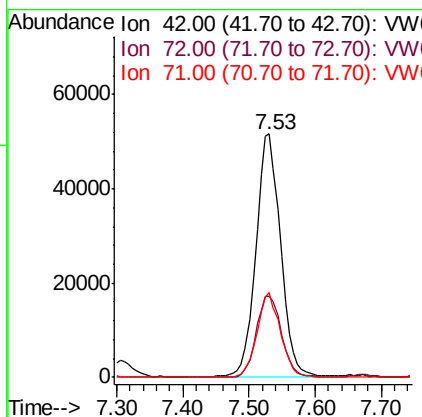
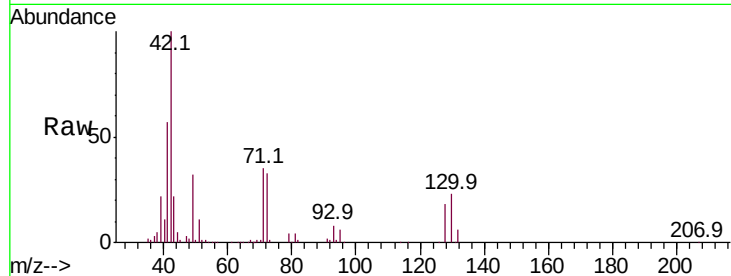
#29
Tetrahydrofuran
Concen: 297.013 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.3	40.9
71	32.6	25.5	38.3

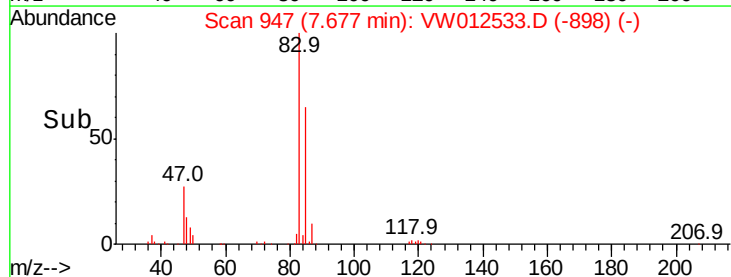
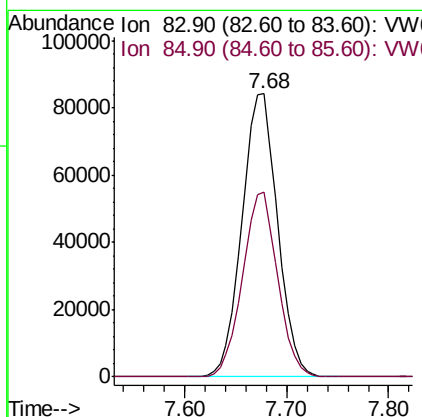
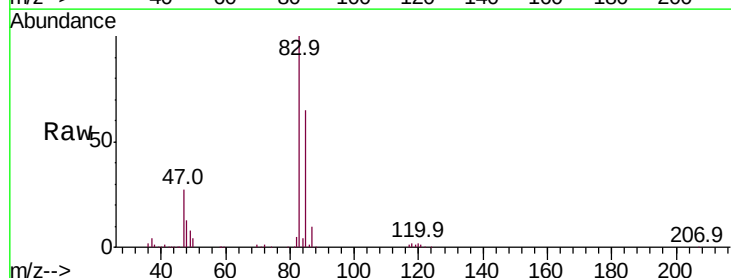
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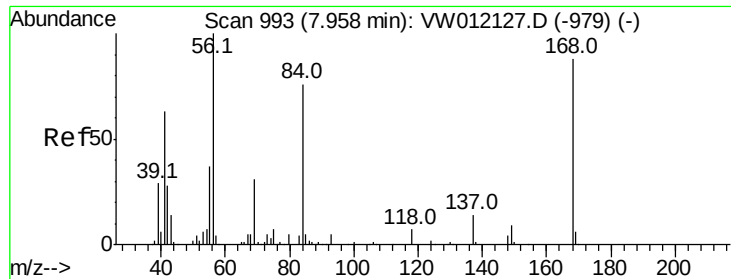
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#30
Chloroform
Concen: 56.304 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.6	76.0





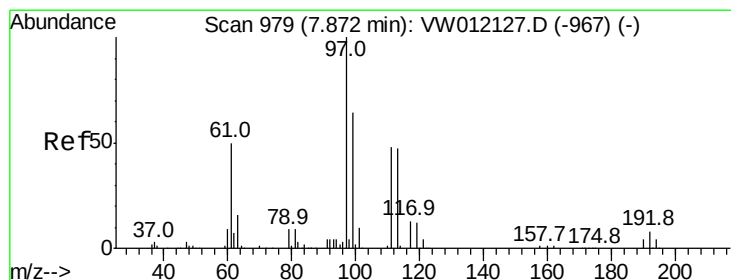
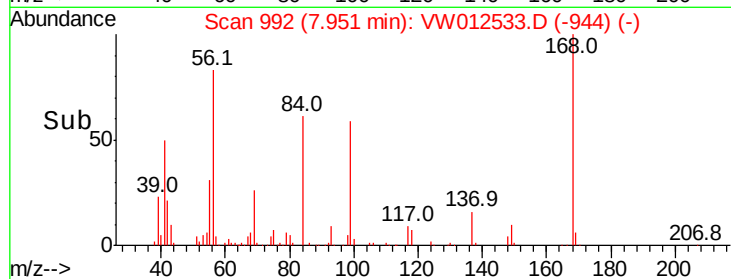
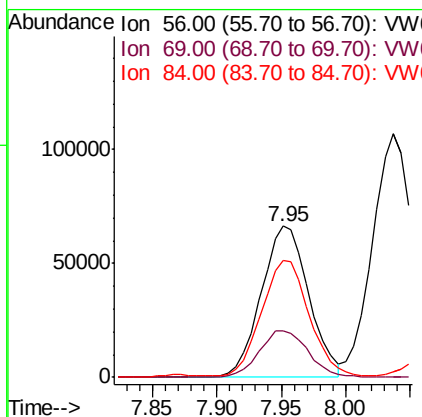
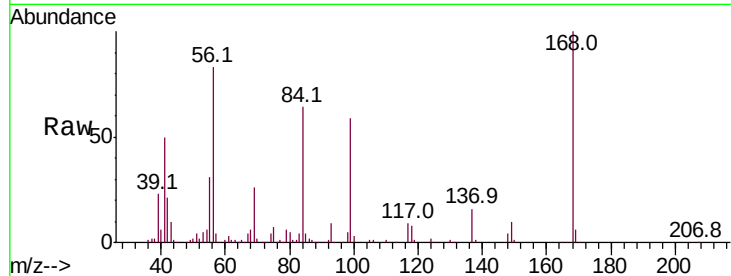
#31
Cyclohexane
Concen: 43.325 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	75.7	60.6	90.8

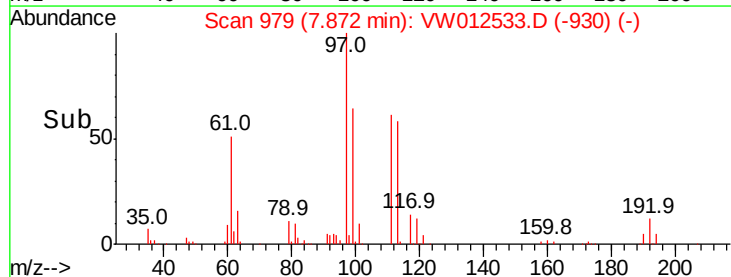
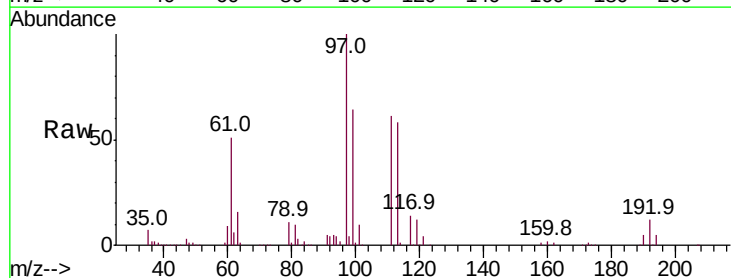
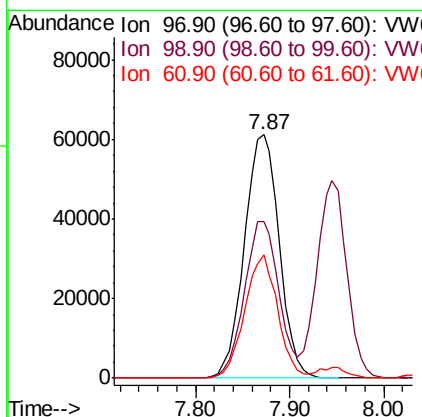
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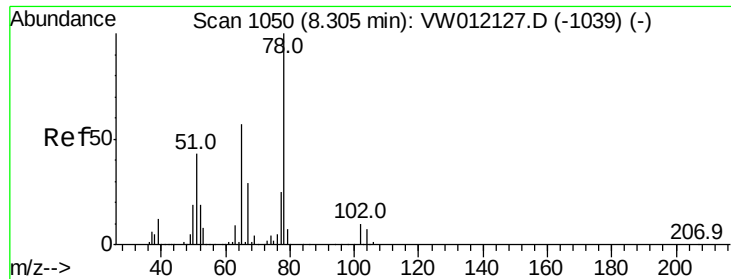
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#32
1,1,1-Trichloroethane
Concen: 54.741 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	47.8	39.5	59.3





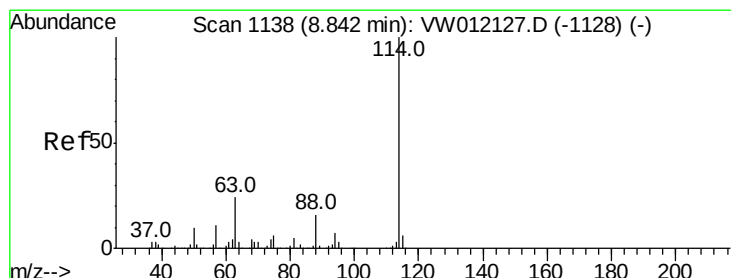
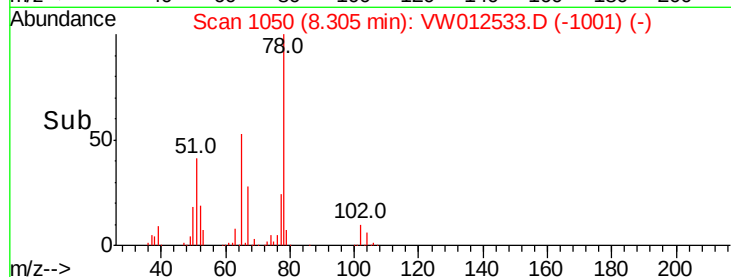
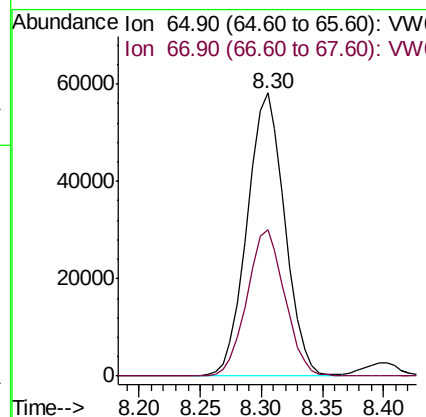
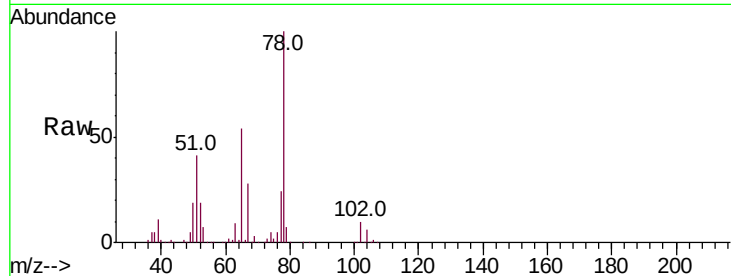
#33
 1,2-Dichloroethane-d4
 Concen: 56.943 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.6

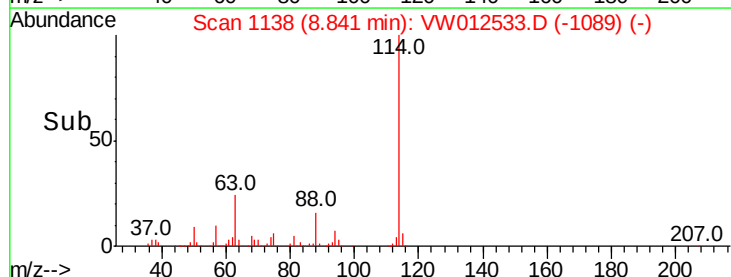
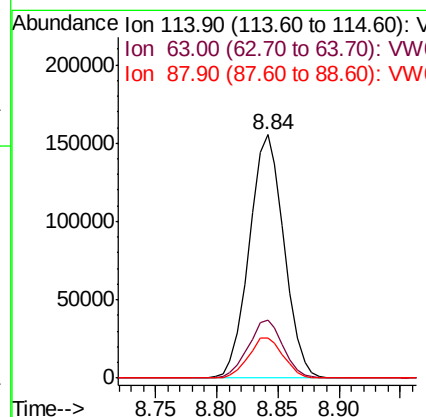
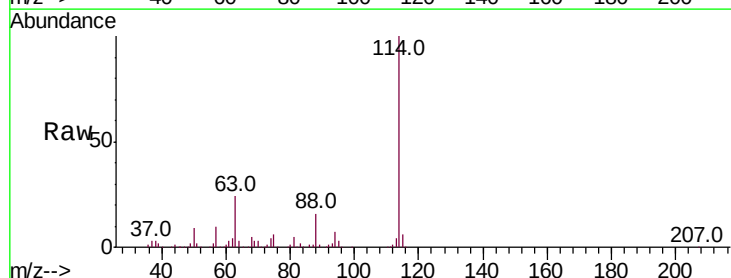
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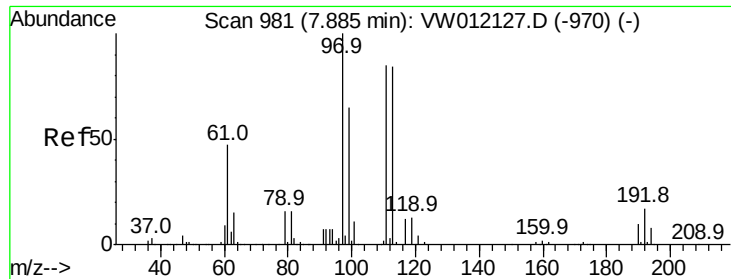
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	48.6
88	16.5	0.0	32.2





#35

Dibromofluoromethane

Concen: 55.619 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

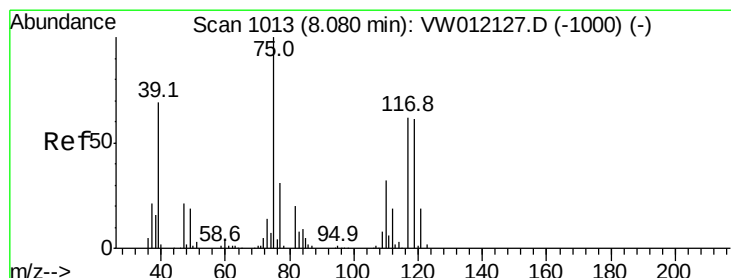
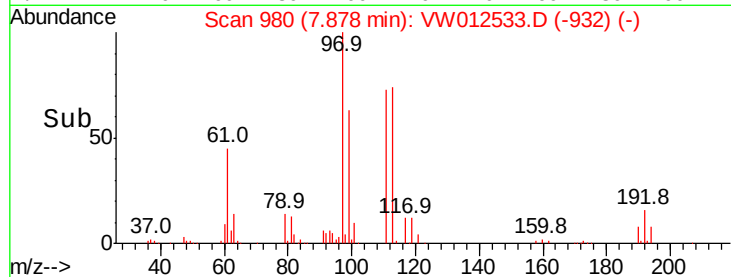
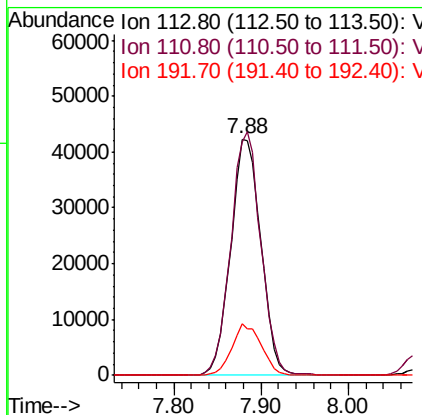
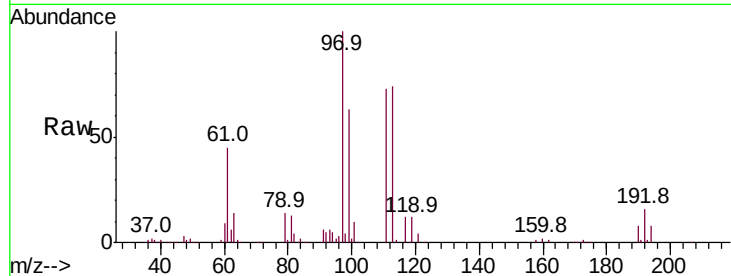
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	101779
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.7	124.1
192	21.0	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.515 ug/l

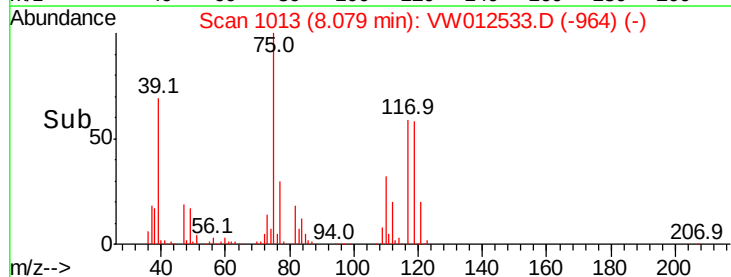
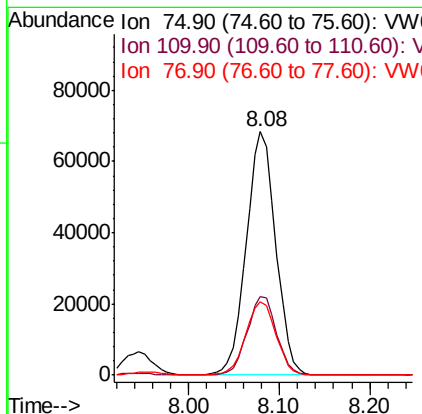
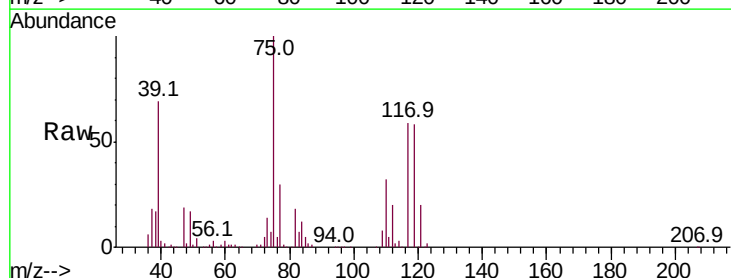
RT: 8.08 min Scan# 1013

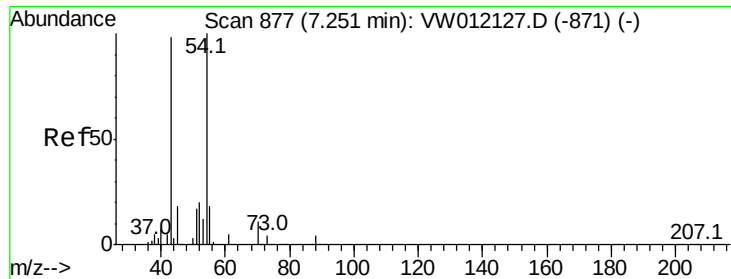
Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion:	75	Resp:	153696
Ion Ratio	Lower	Upper	
75	100		
110	32.0	15.6	46.8
77	31.2	24.6	36.8





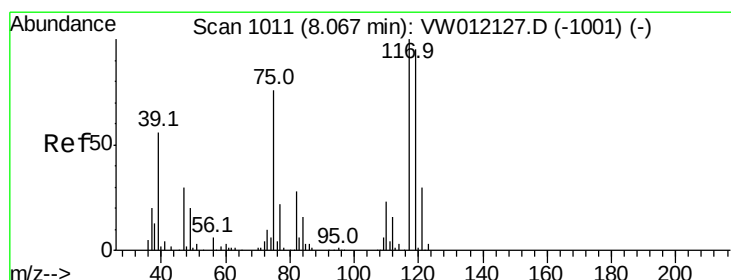
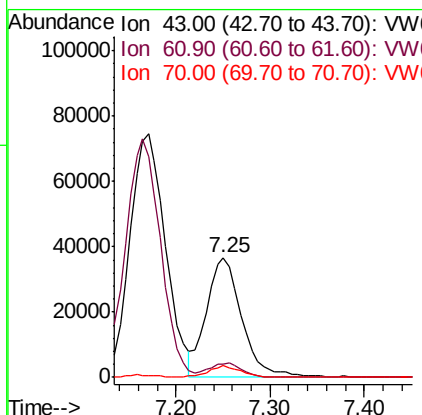
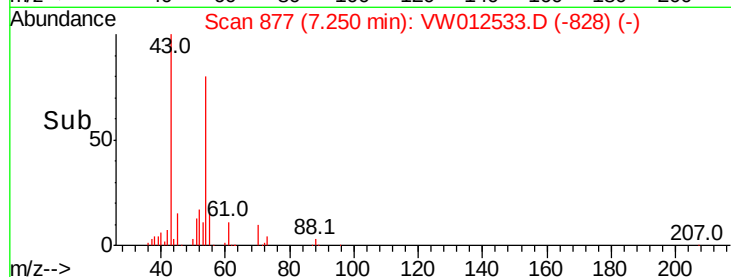
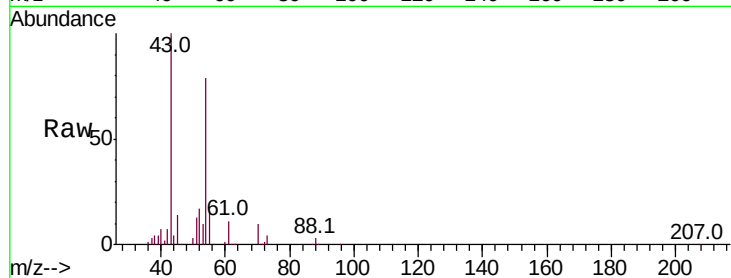
#37
Ethyl Acetate
Concen: 54.002 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.2	13.8
70	8.9	6.9	10.3

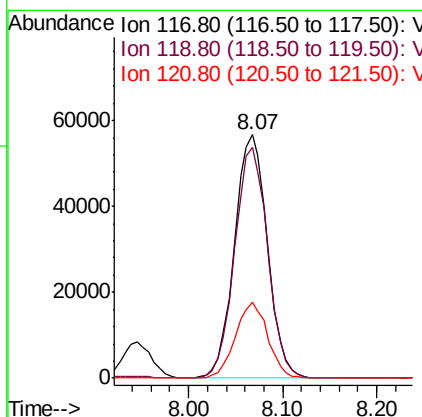
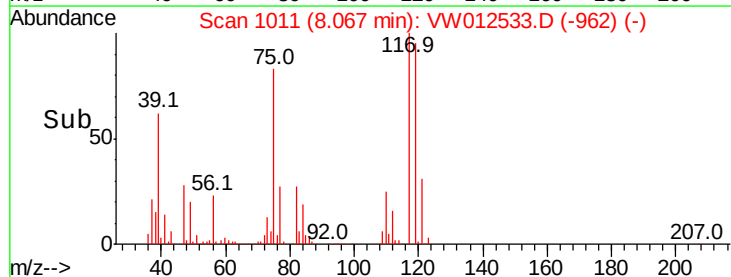
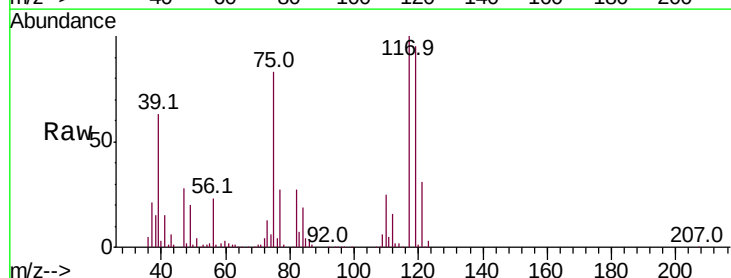
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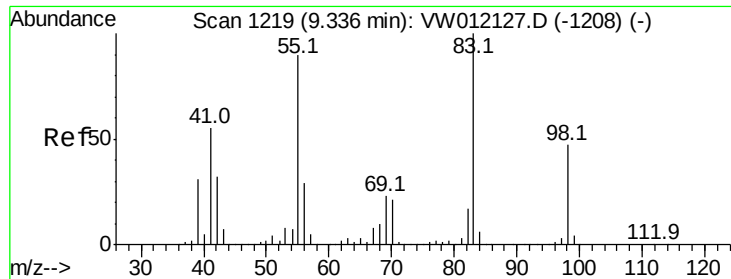
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#38
Carbon Tetrachloride
Concen: 50.329 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.2	114.2
121	31.2	23.8	35.8





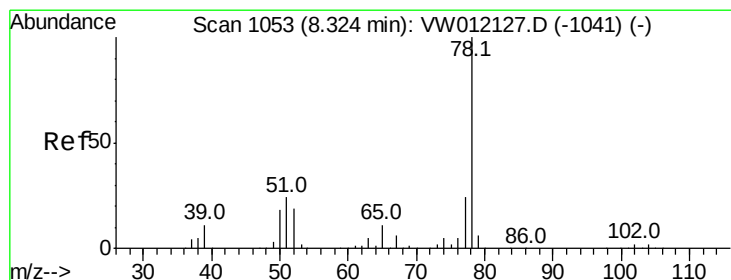
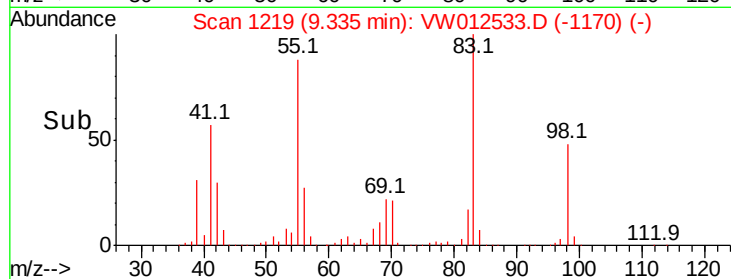
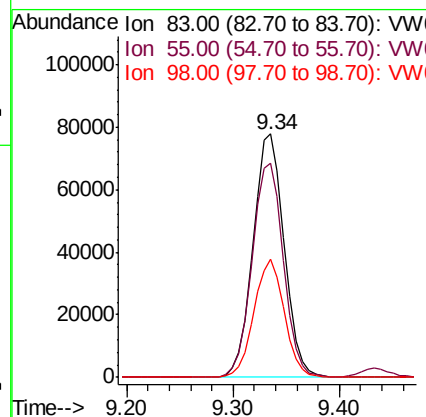
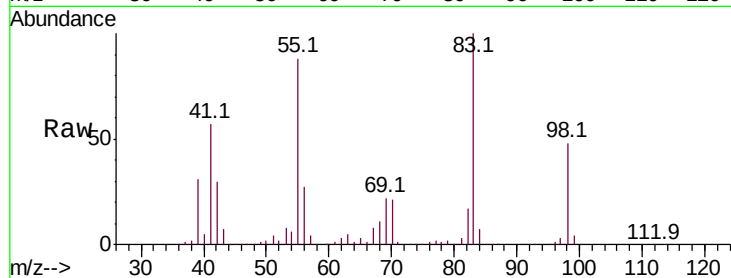
#39
Methylvlcyclohexane
Concen: 44.880 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.2	71.8	107.8
98	48.4	37.8	56.8

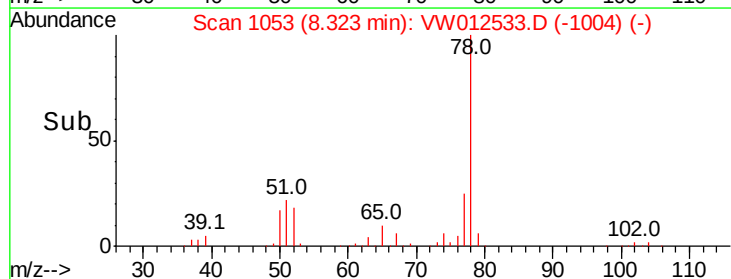
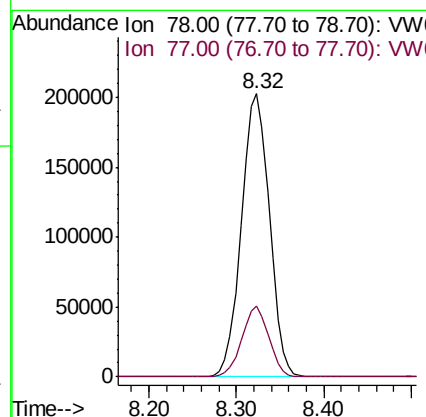
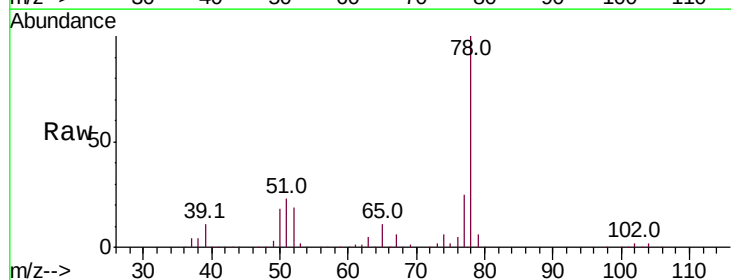
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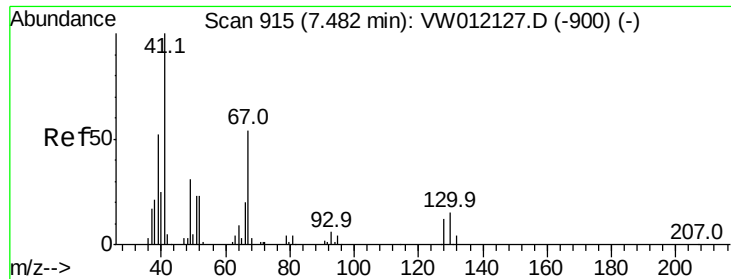
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#40
Benzene
Concen: 52.224 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.5	29.3





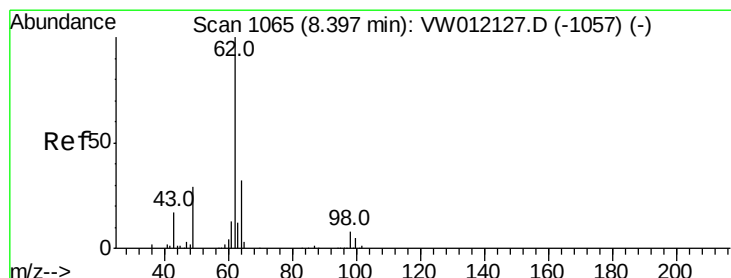
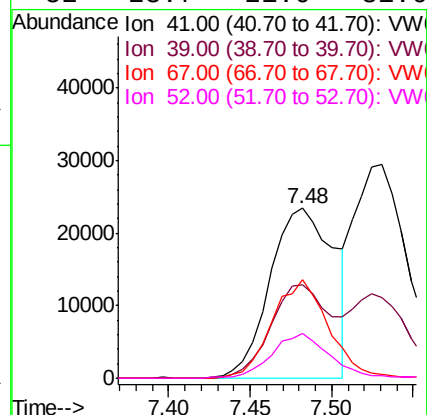
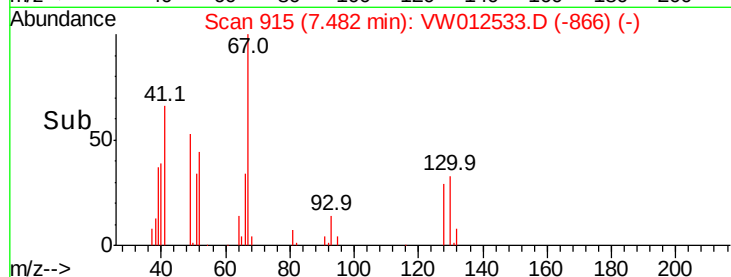
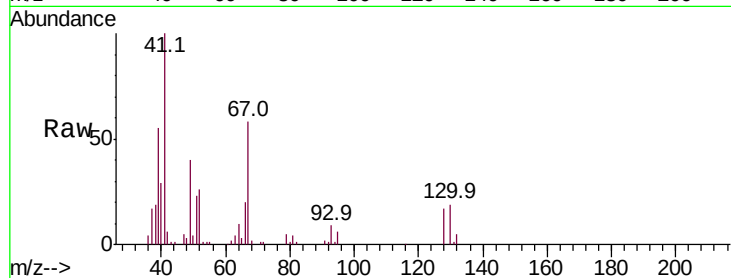
#41
Methacrylonitrile
Concen: 62.737 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	45.8	68.8	
67	51.1	46.2	69.4	
52	23.7	21.0	31.6	

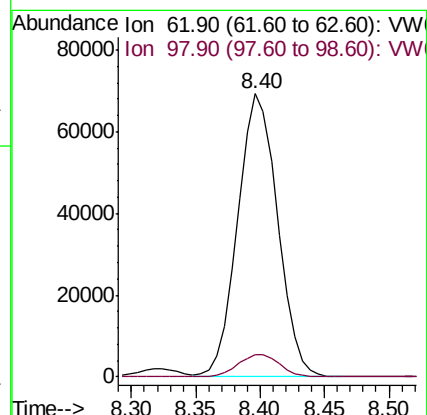
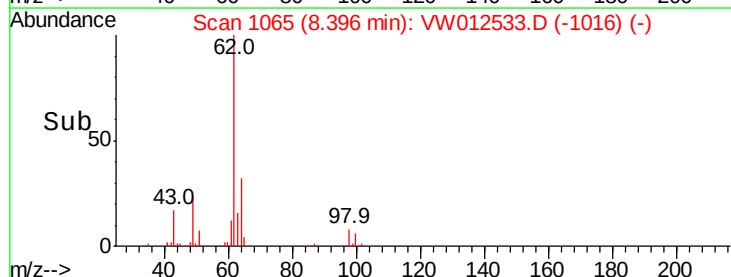
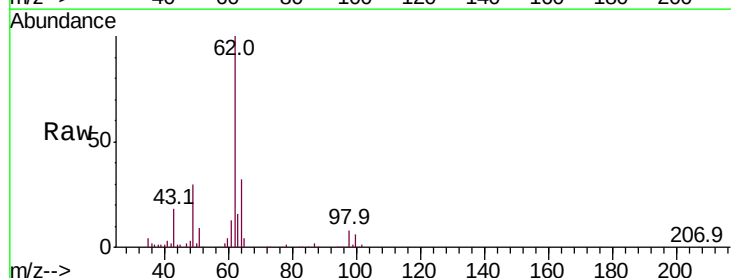
Manual Integrations
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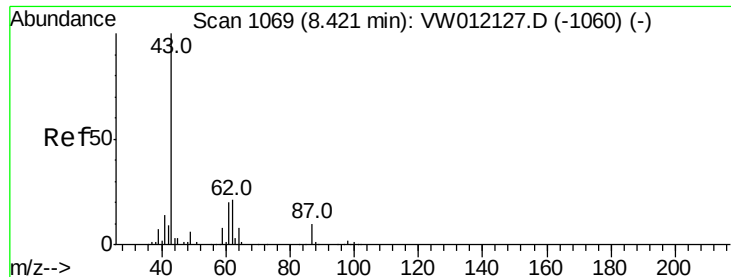
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.942 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.6	





#43

Isopropyl Acetate

Concen: 54.707 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

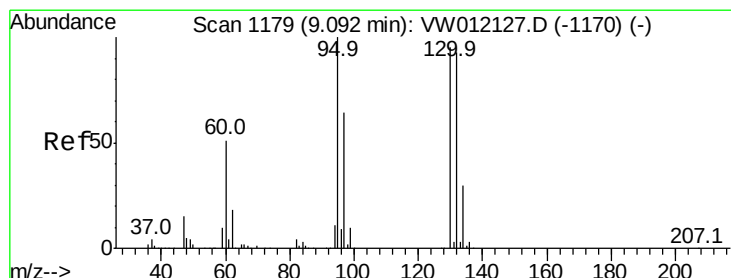
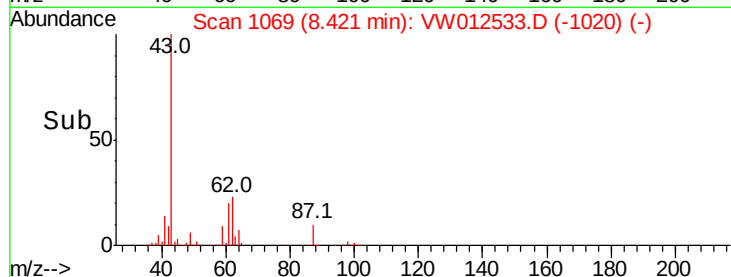
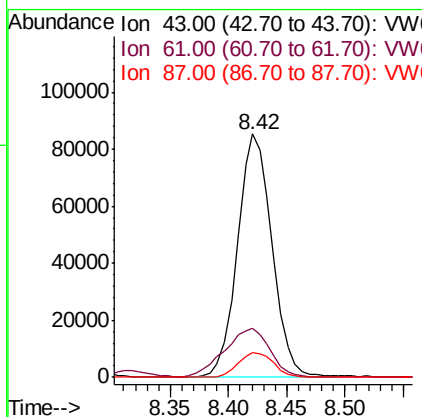
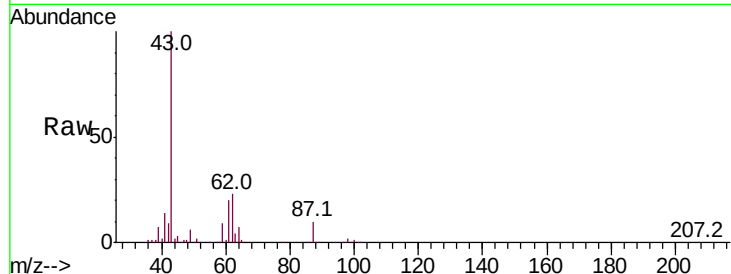
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	175921
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.1	31.7
87	10.7	8.2	12.2

Manual Integrations
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9/3/2019 10:56:35 AM



#44

Trichloroethene

Concen: 52.653 ug/l

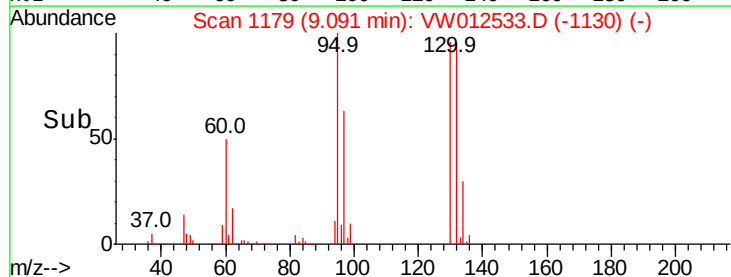
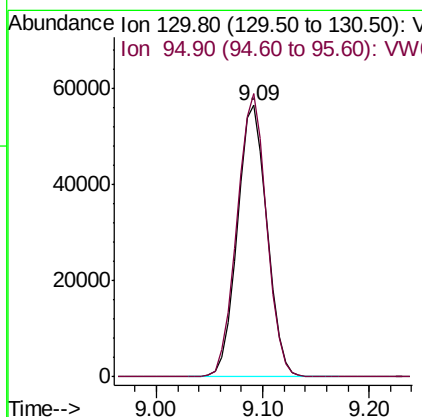
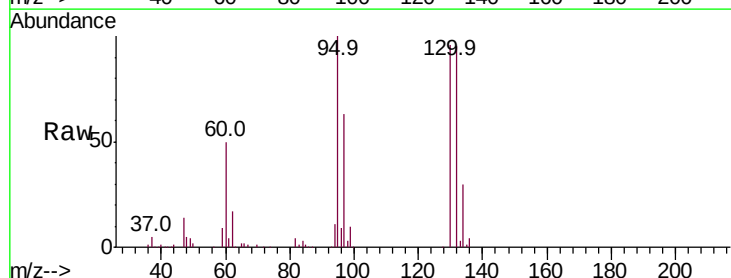
RT: 9.09 min Scan# 1179

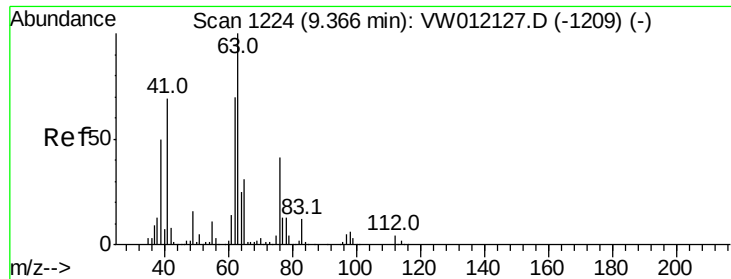
Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion:	130	Resp:	110724
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	210.6





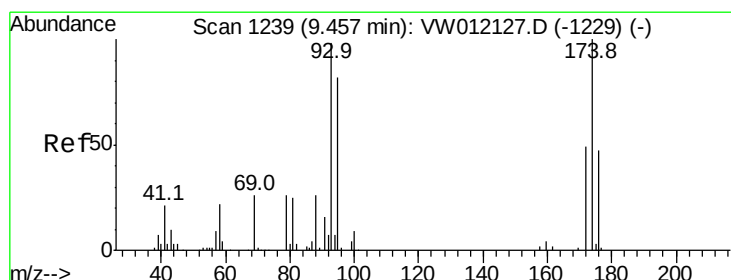
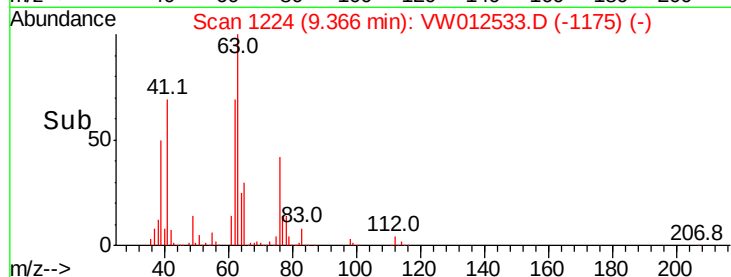
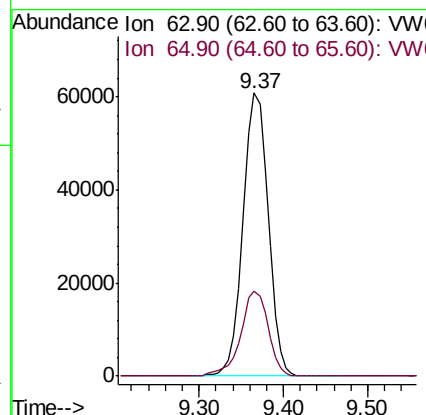
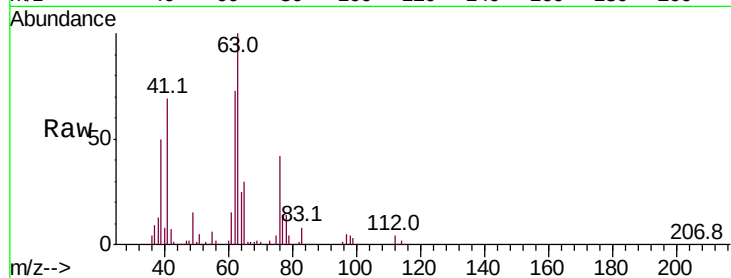
#45
 1,2-Dichloropropane
 Concen: 52.615 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	25.0	37.4

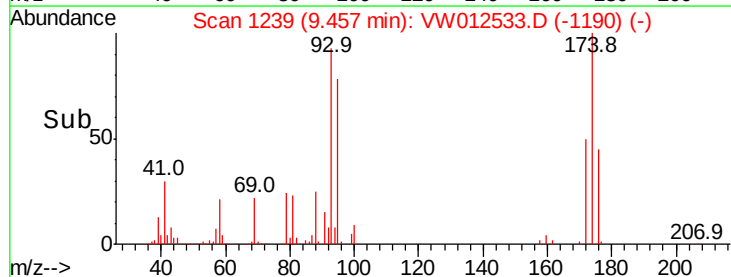
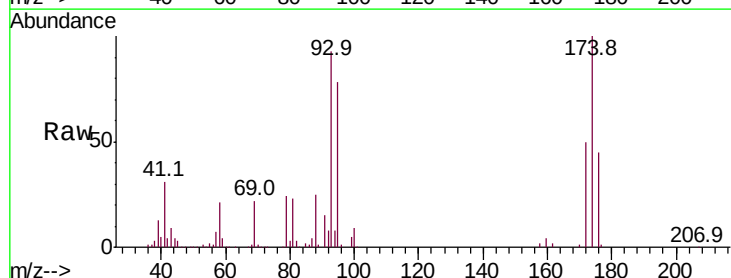
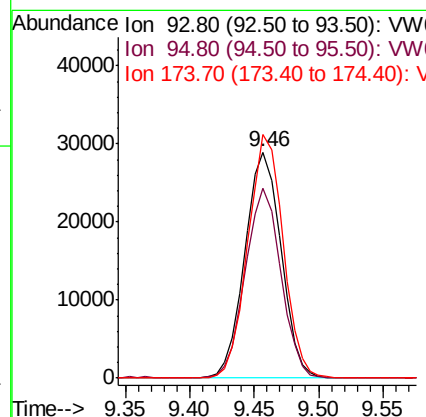
Manual Integrations
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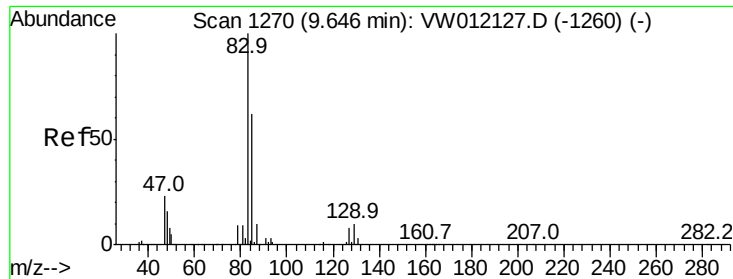
MMDadoda
 9/3/2019 10:56:35 AM



#46
 Dibromomethane
 Concen: 54.272 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	67.2	100.8
174	104.9	79.0	118.6





#47

Bromodichloromethane

Concen: 55.265 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

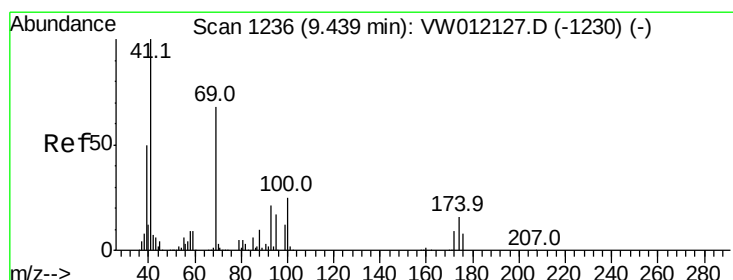
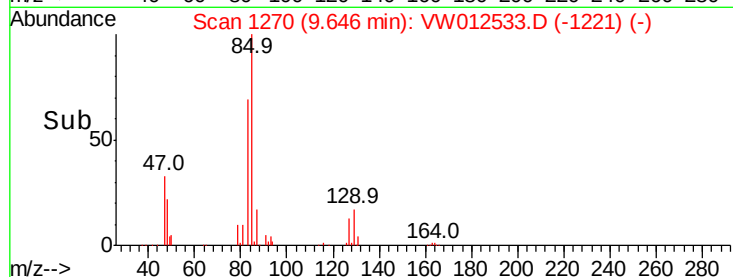
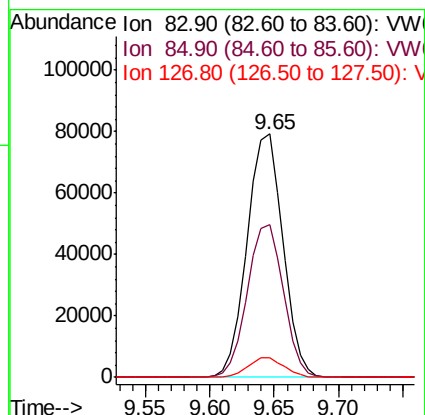
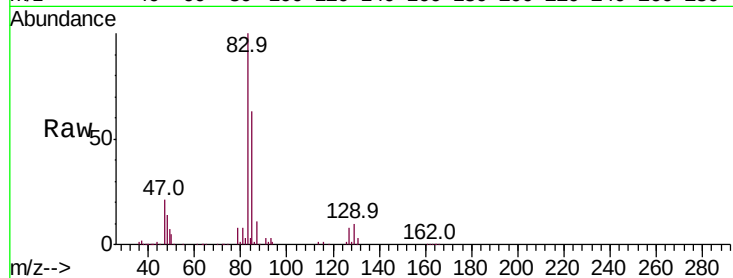
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	152356
Ion Ratio	Lower	Upper	
83	100		
85	62.9	49.4	74.2
127	8.1	6.1	9.1

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9/3/2019 10:56:35 AM



#48

Methyl methacrylate

Concen: 55.322 ug/l

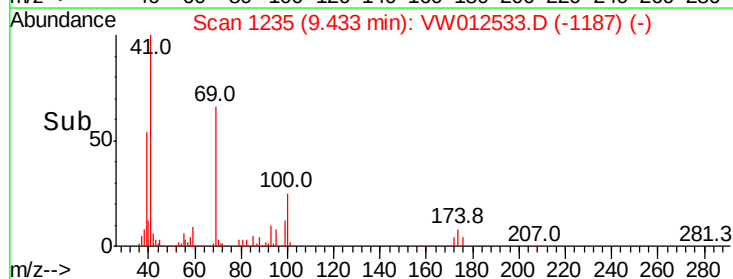
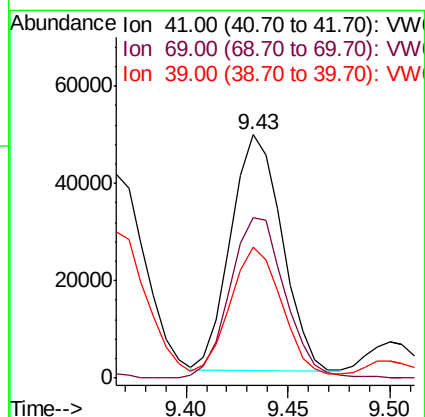
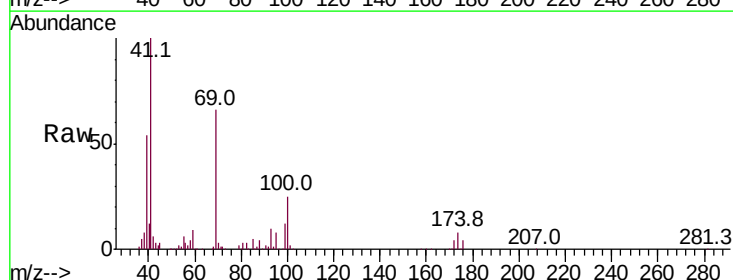
RT: 9.43 min Scan# 1235

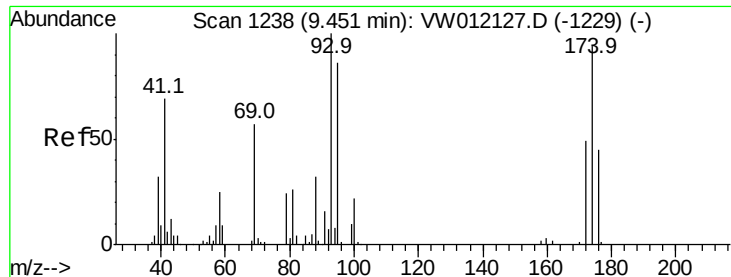
Delta R.T. -0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion:	41	Resp:	84671
Ion Ratio	Lower	Upper	
41	100		
69	73.4	56.7	85.1
39	57.3	42.0	63.0





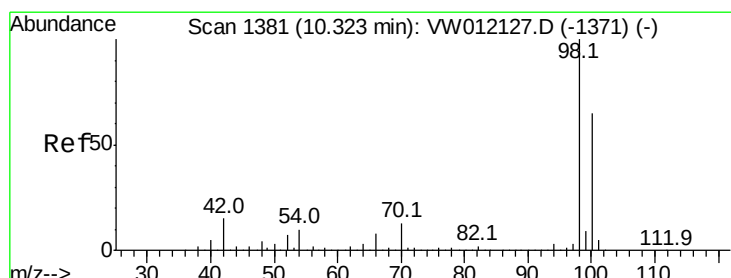
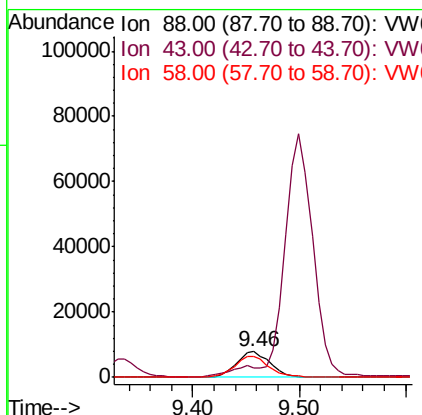
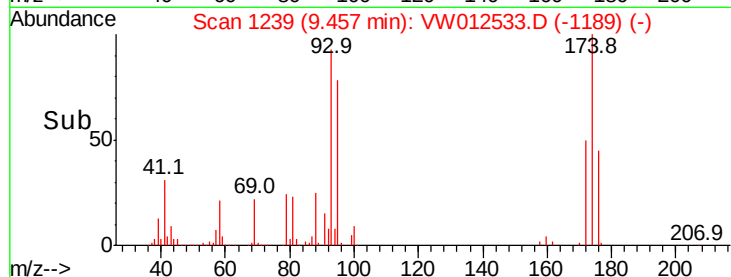
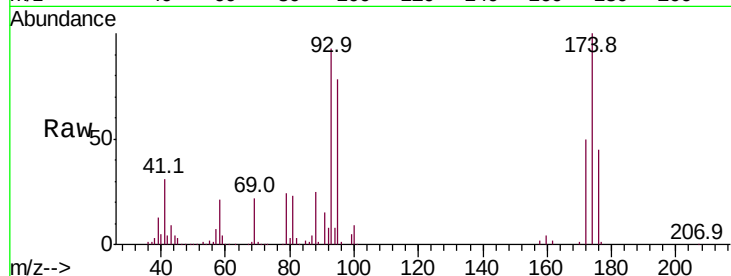
#49
1,4-Dioxane
Concen: 1101.295 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	17464
Ion	Ratio	Lower	Upper
88	100		
43	31.9	32.9	49.3#
58	85.5	71.0	106.4

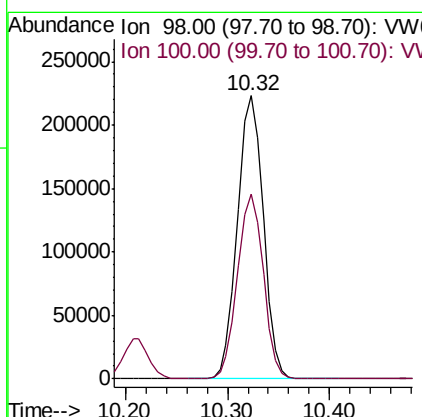
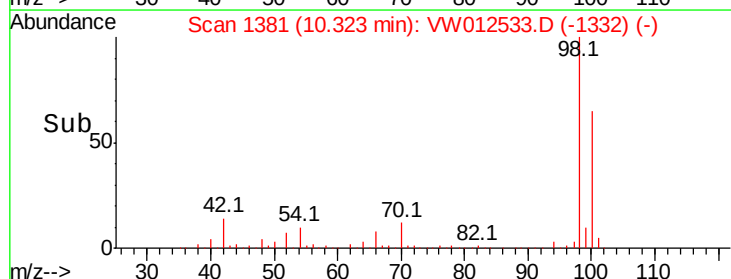
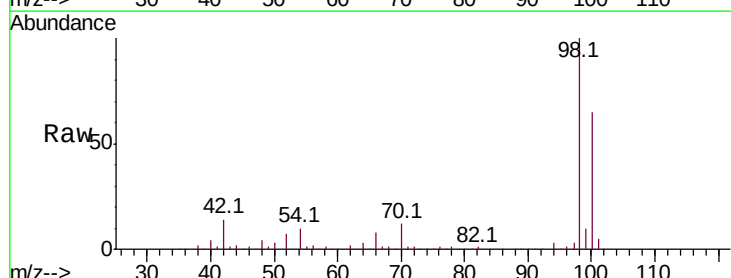
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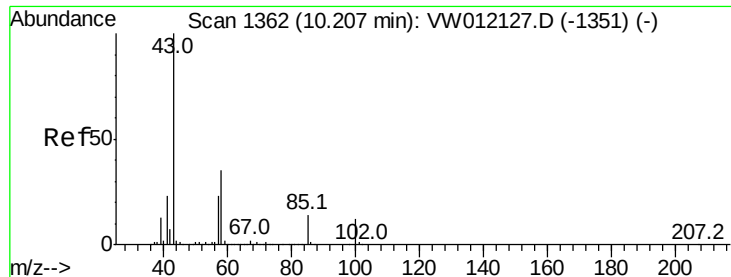
MMDadoda
9/3/2019 10:56:35 AM



#50
Toluene-d8
Concen: 52.892 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	98	Resp	392449
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 276.530 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 452292

Ion Ratio Lower Upper

43 100

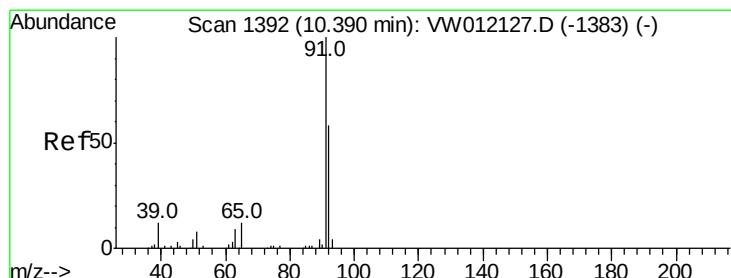
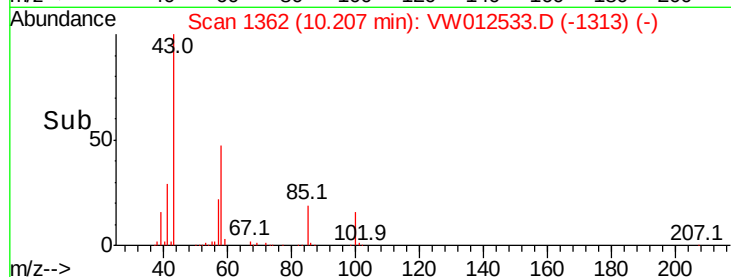
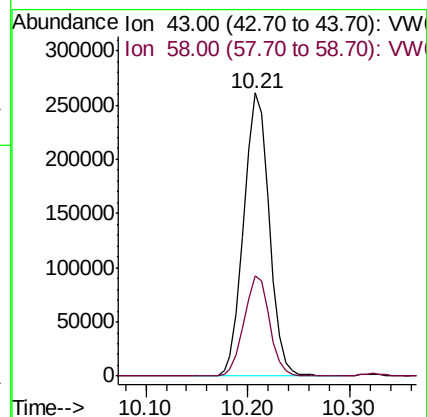
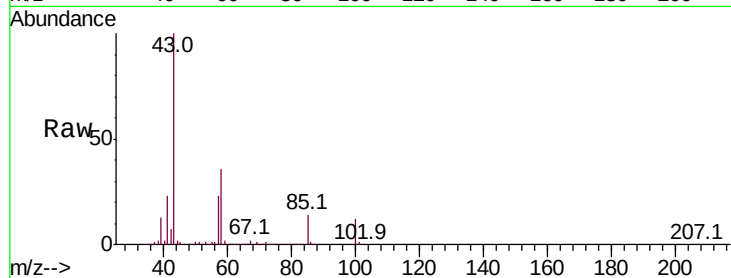
58 35.4 28.2 42.2

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#52

Toluene

Concen: 53.232 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012533.D

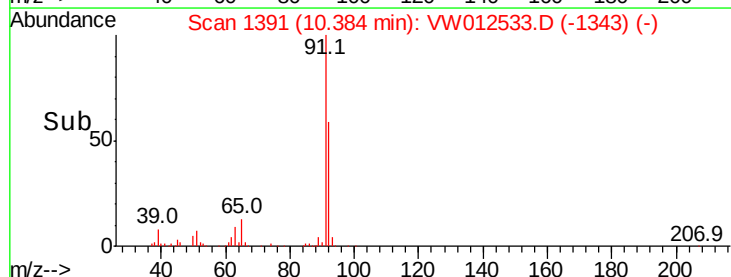
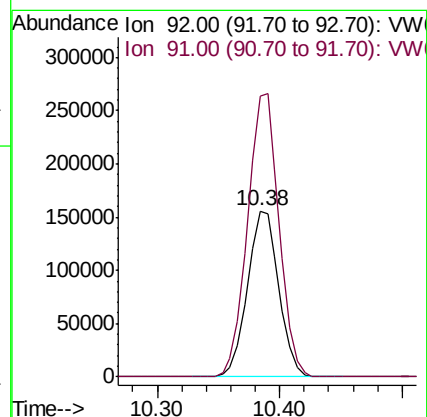
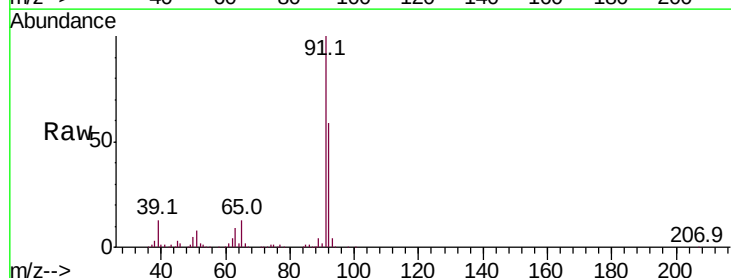
Acq: 03 Sep 2019 07:06

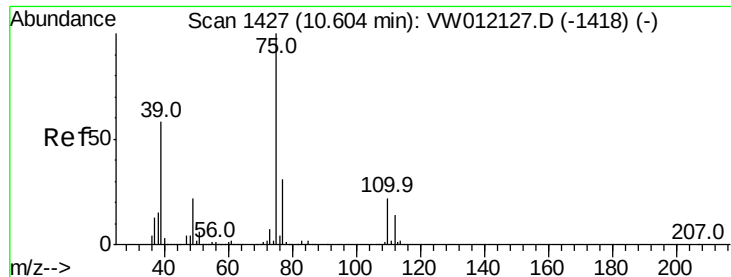
Tgt Ion: 92 Resp: 276635

Ion Ratio Lower Upper

92 100

91 171.5 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 52.804 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W

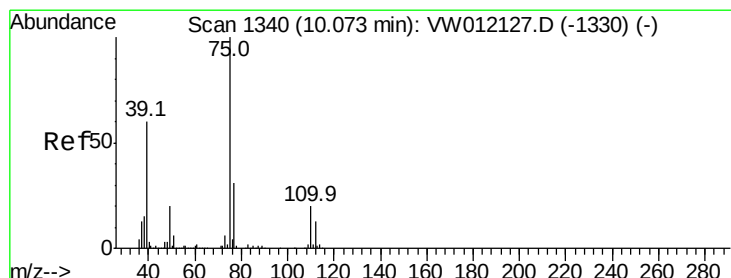
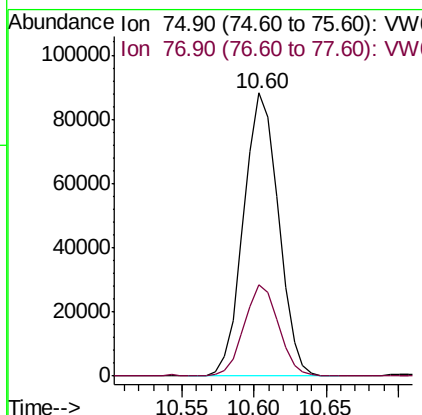
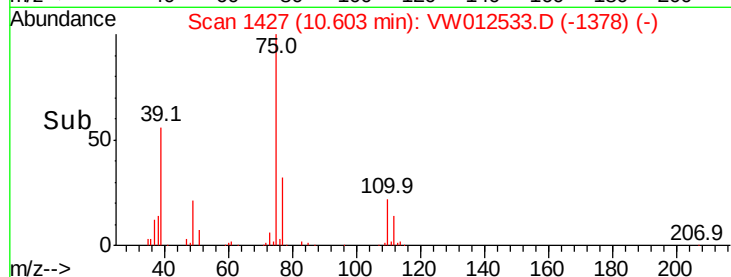
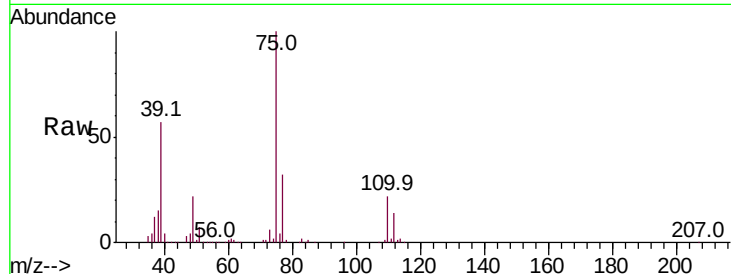
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 148283

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4

Manual Integrations
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9/3/2019 10:56:35 AM



#54

cis-1,3-Dichloropropene

Concen: 51.802 ug/l

RT: 10.07 min Scan# 1340

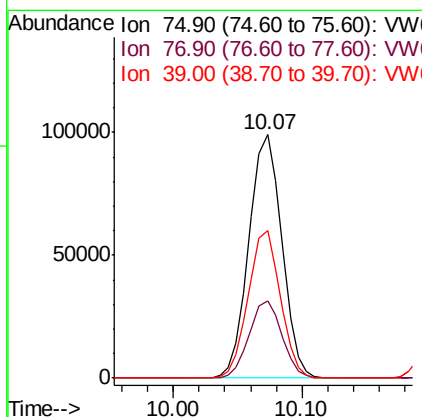
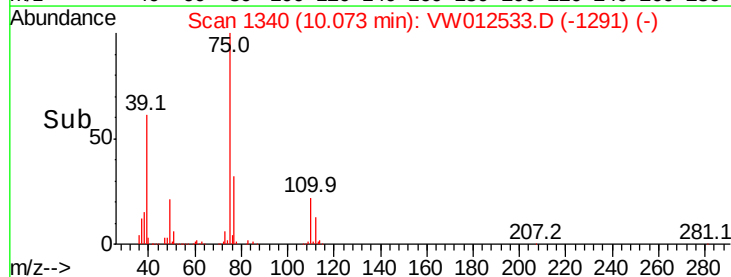
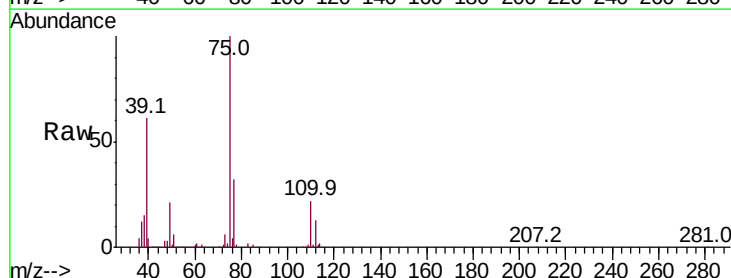
Delta R.T. -0.00 min

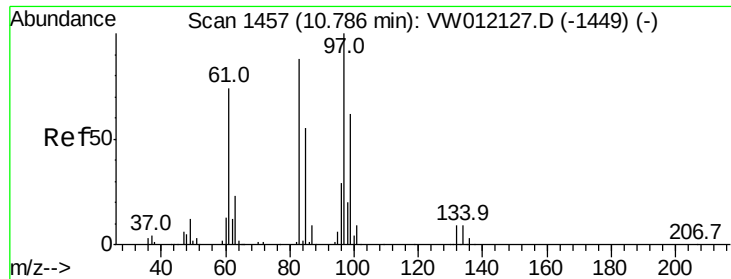
Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion: 75 Resp: 175645

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7
39	60.7	48.3	72.5





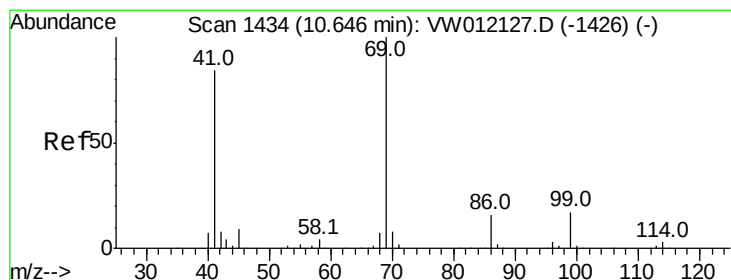
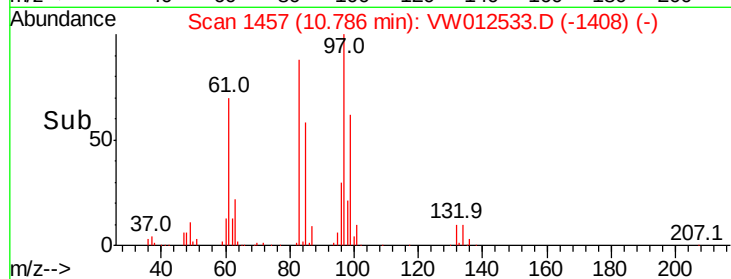
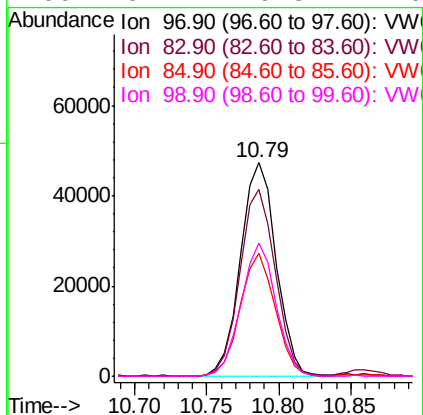
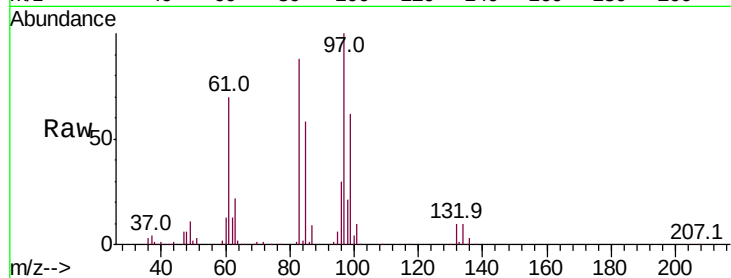
#55
 1,1,2-Trichloroethane
 Concen: 55.538 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	81396
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.8	106.2
85	57.6	43.8	65.8
99	62.4	49.8	74.6

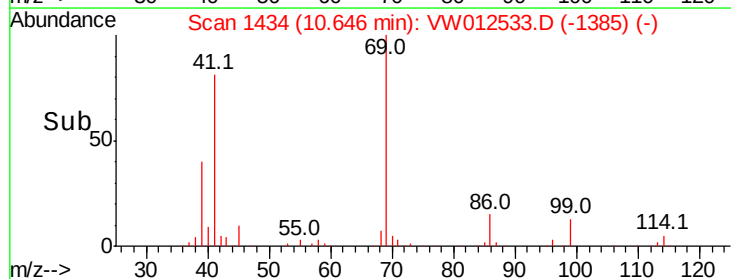
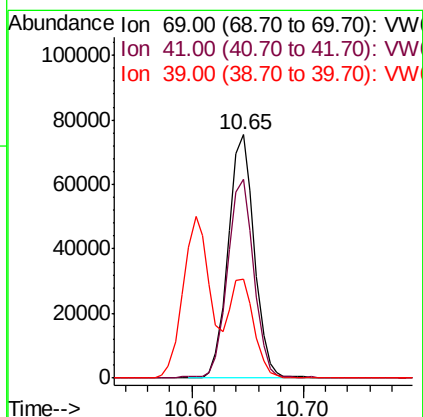
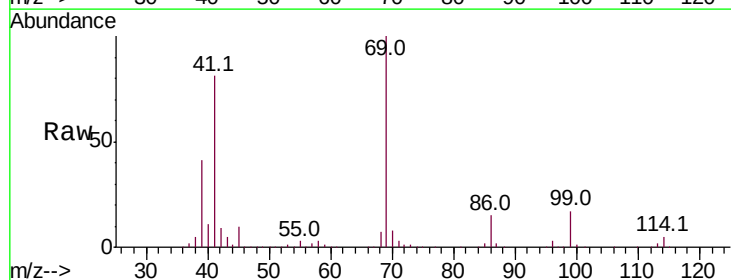
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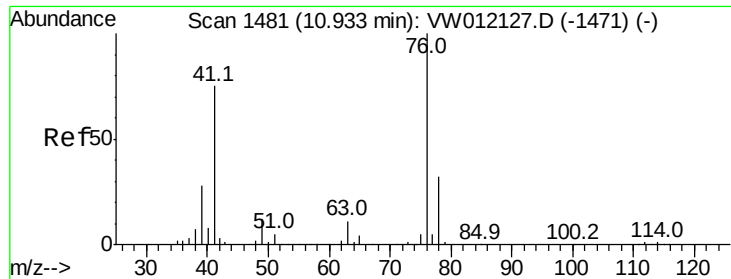
MMDadoda
 9/3/2019 10:56:35 AM



#56
 Ethyl methacrylate
 Concen: 57.179 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion:	69	Resp:	121965
Ion	Ratio	Lower	Upper
69	100		
41	83.0	66.5	99.7
39	37.5	31.0	46.4





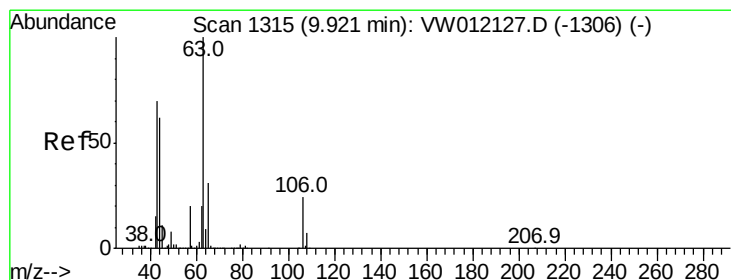
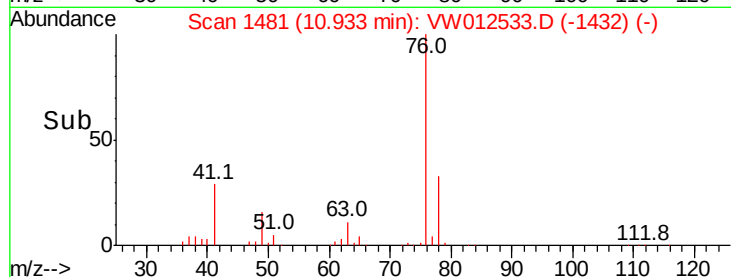
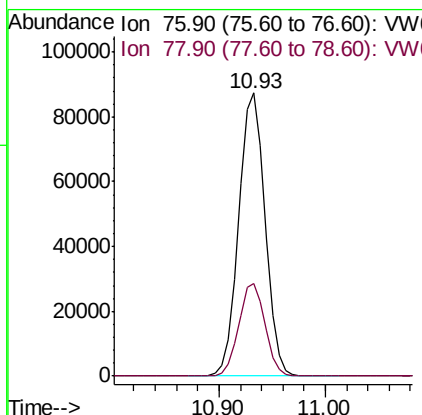
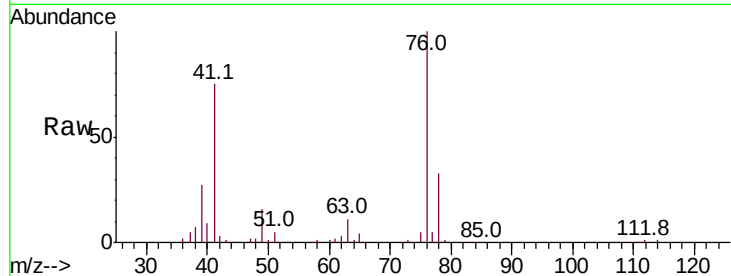
#57
 1,3-Dichloropropane
 Concen: 54.858 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 151935
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

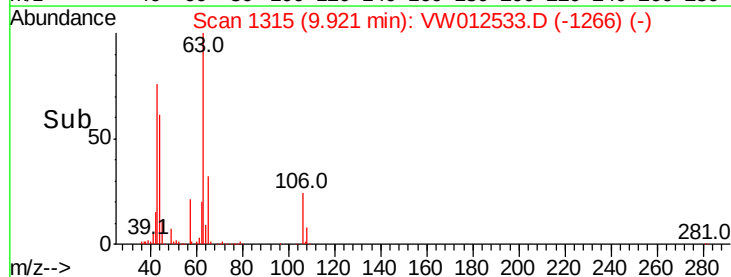
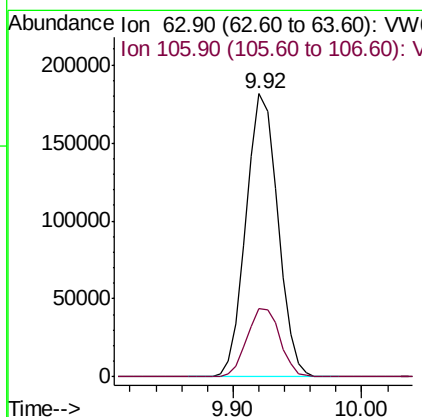
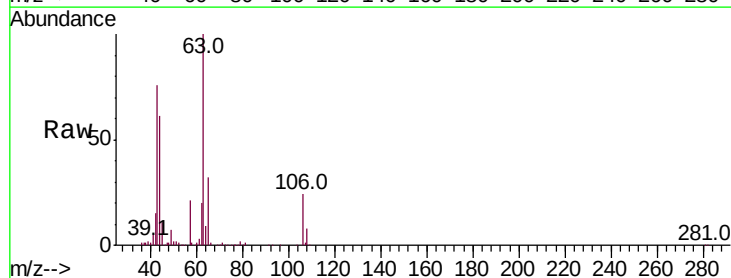
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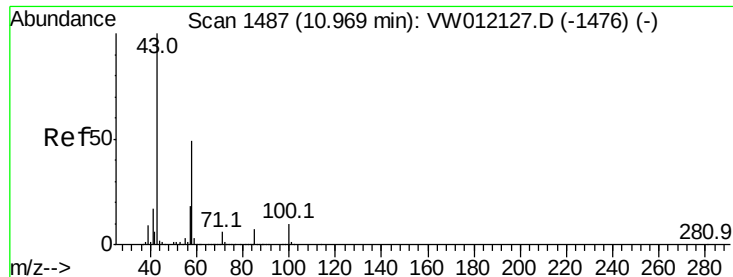
MMDadoda
 9/3/2019 10:56:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.102 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion: 63 Resp: 309918
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





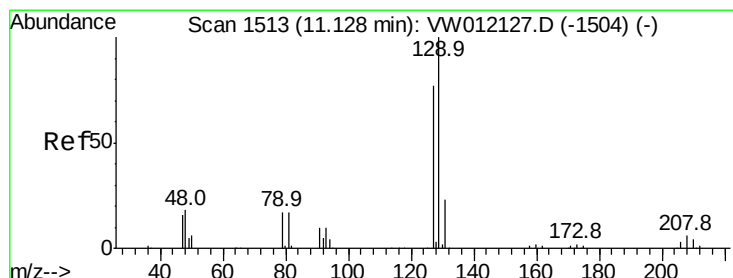
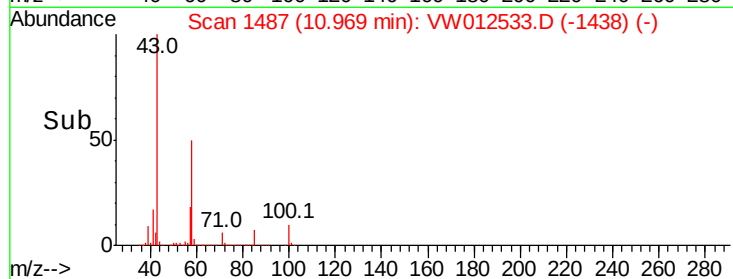
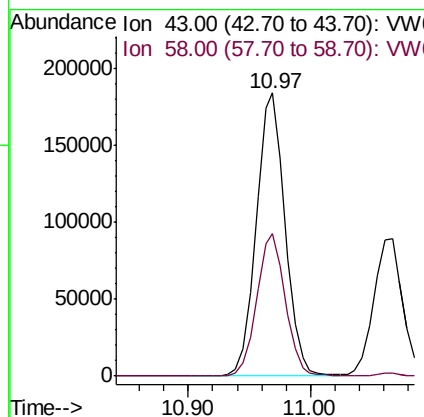
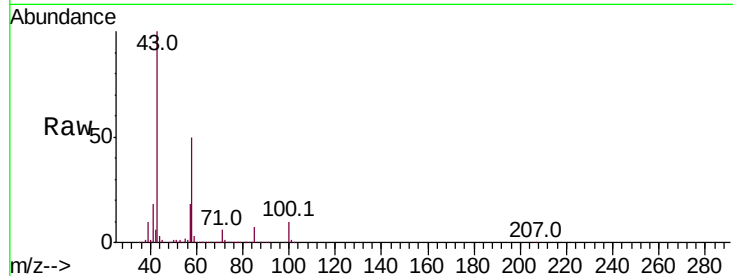
#59
2-Hexanone
Concen: 260.685 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	100	49.8	Resp	301688	Lower	Upper
Ion	43	58	Ratio	100	49.8	Resp	301688	Lower	Upper
								24.3	72.9

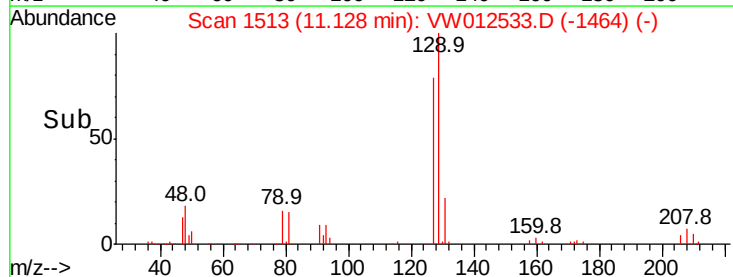
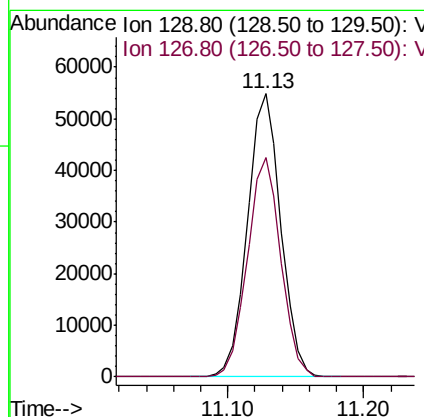
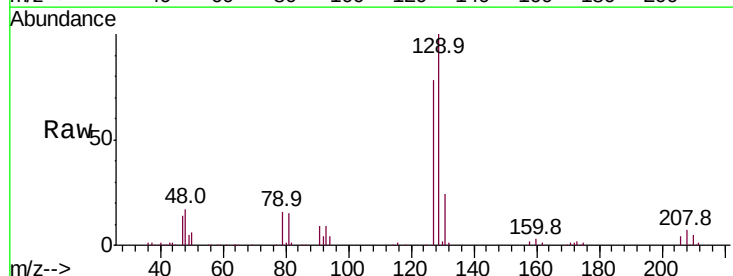
Manual Integrations
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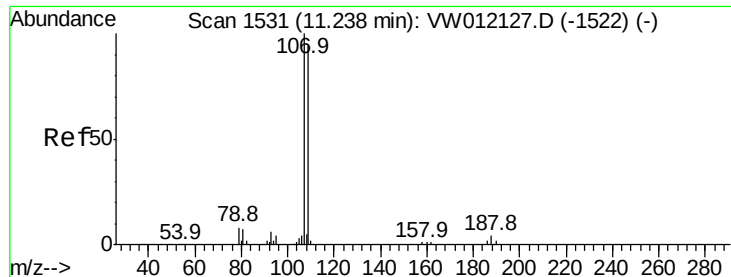
MMDadoda
9/3/2019 10:56:35 AM



#60
Dibromochloromethane
Concen: 57.587 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	129	127	Ratio	100	77.5	Resp	94007	Lower	Upper
Ion	129	127	Ratio	100	77.5	Resp	94007	Lower	Upper
								38.6	115.8





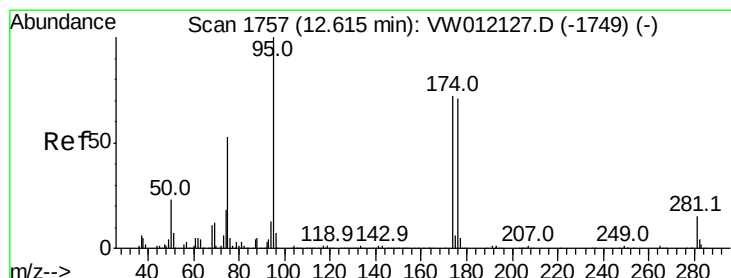
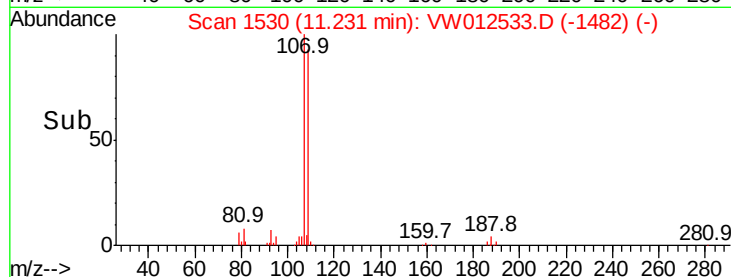
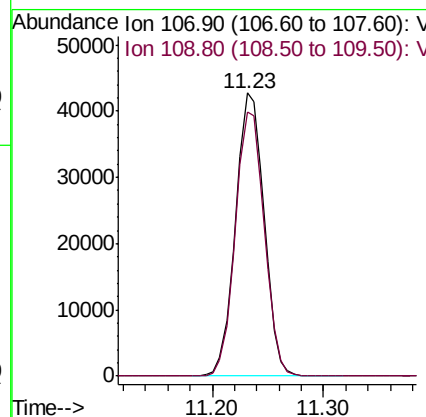
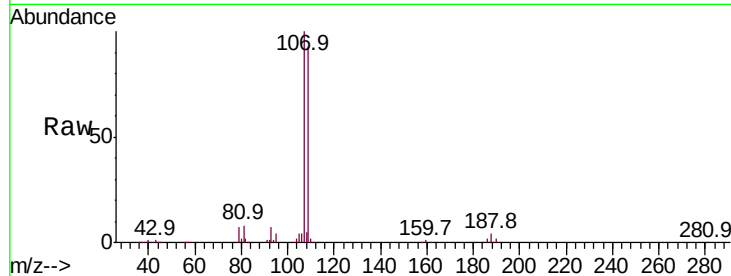
#61
 1,2-Dibromoethane
 Concen: 55.513 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.2

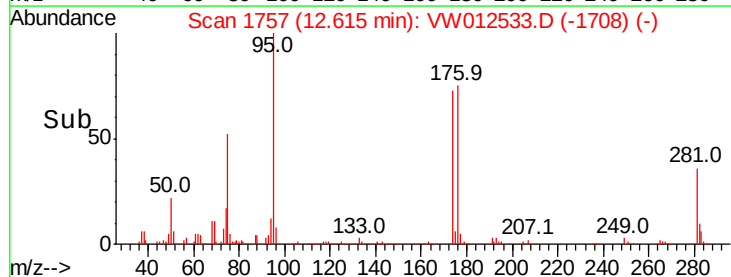
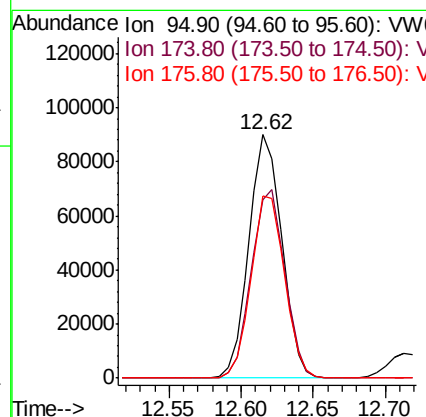
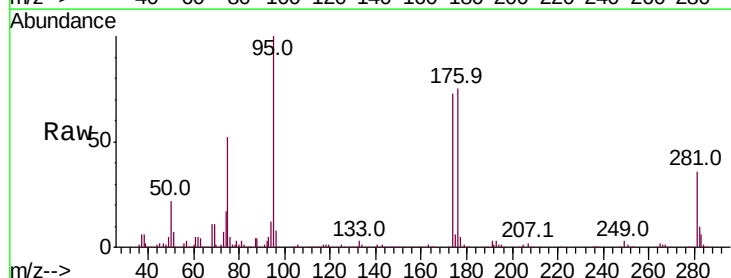
Manual Integrations
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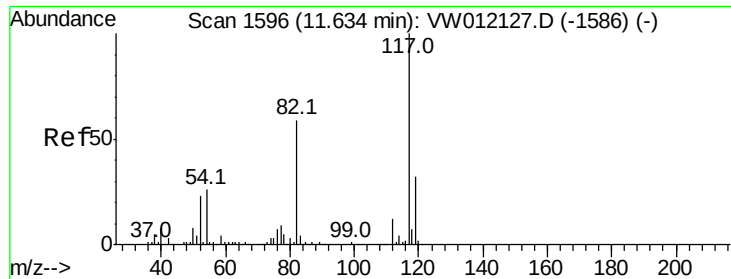
MMDadoda
 9/3/2019 10:56:35 AM



#62
 4-Bromofluorobenzene
 Concen: 54.371 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	150.8
176	76.2	0.0	148.6





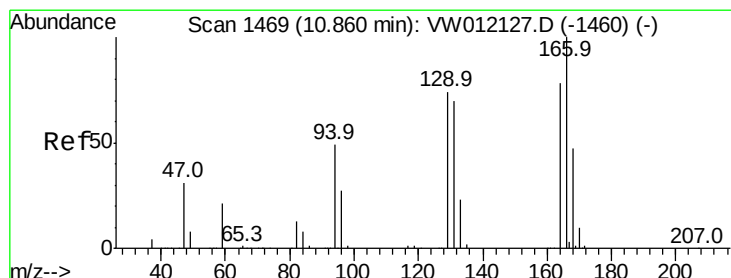
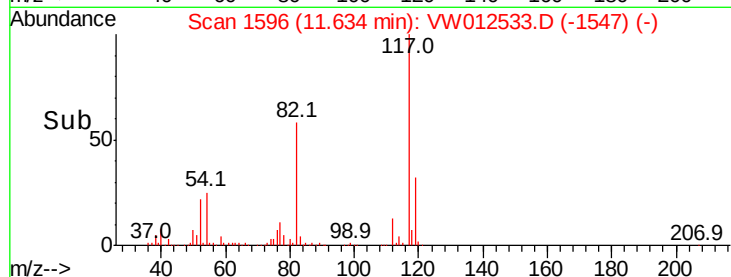
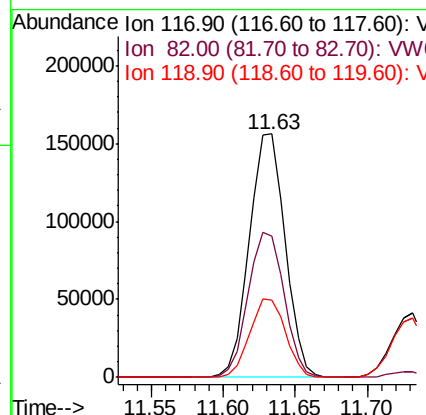
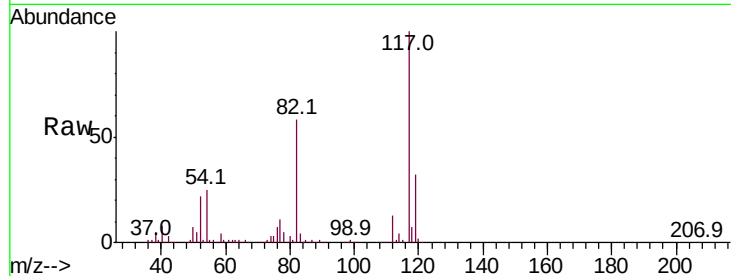
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	268936		
82	58.2		47.4	71.2
119	31.7		25.4	38.2

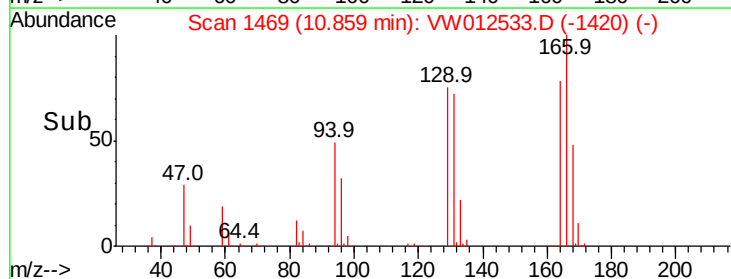
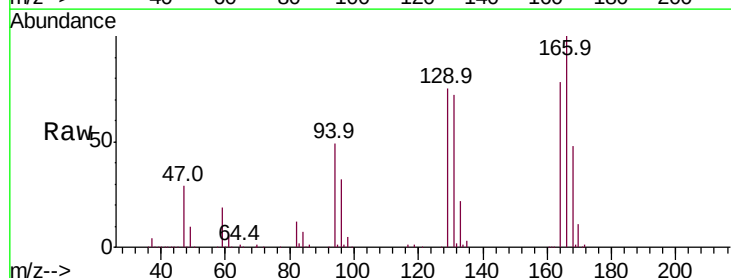
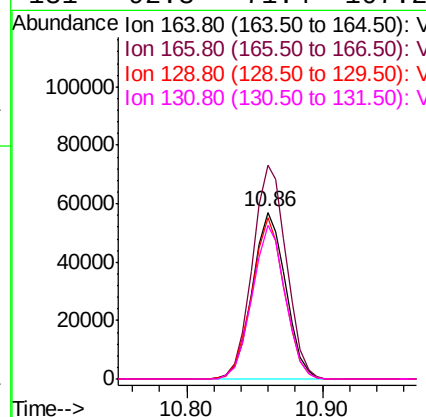
Manual Integrations
APPROVED

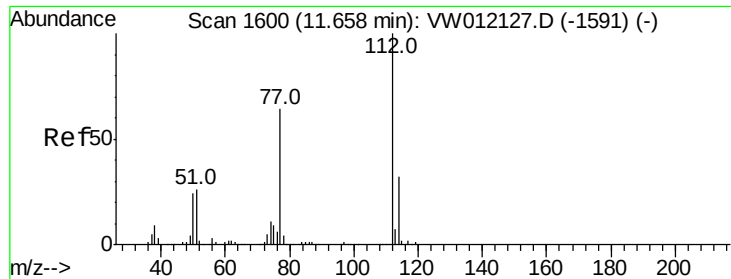
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#64
Tetrachloroethene
Concen: 56.067 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97758		
166	128.0		102.4	153.6
129	96.5		75.8	113.6
131	92.3		71.4	107.2





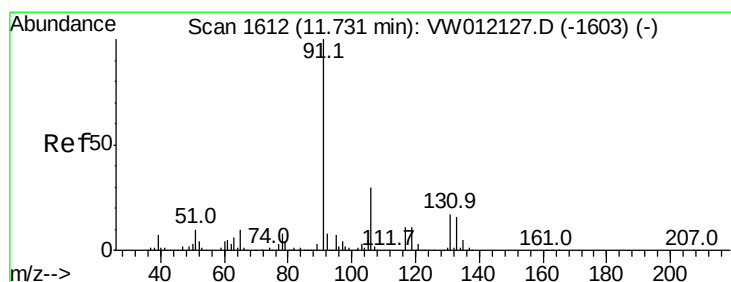
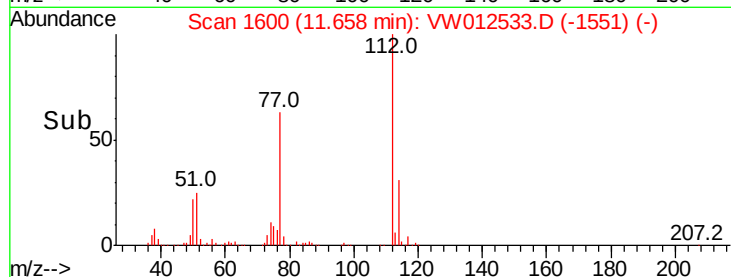
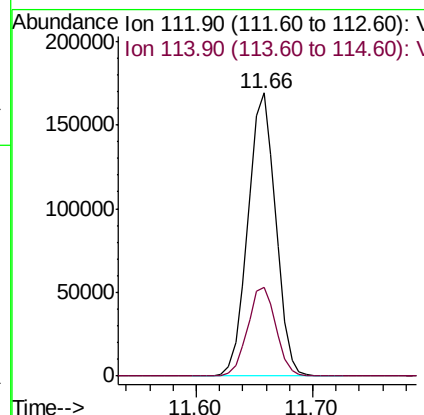
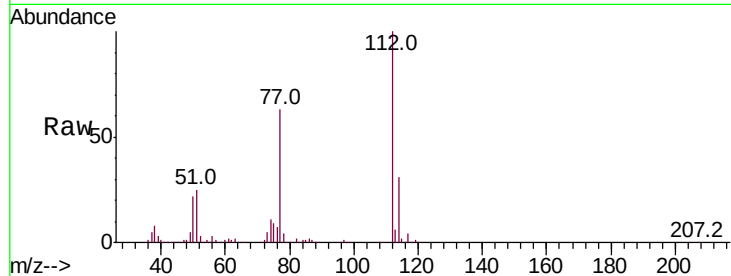
#65
Chlorobenzene
Concen: 53.338 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	282455		
114	31.5	25.8	38.6	

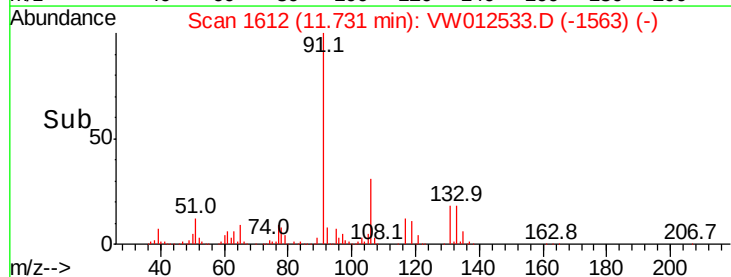
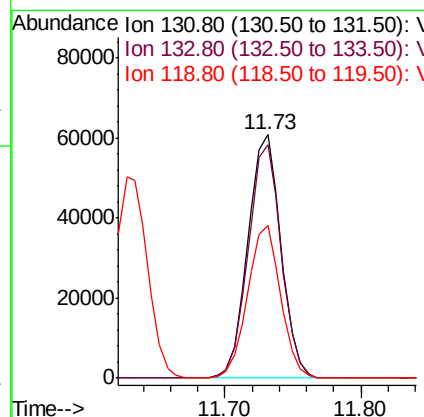
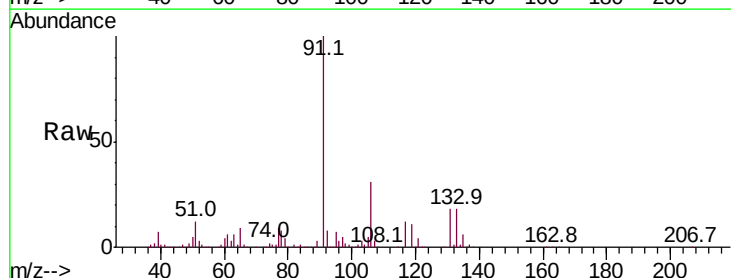
Manual Integrations
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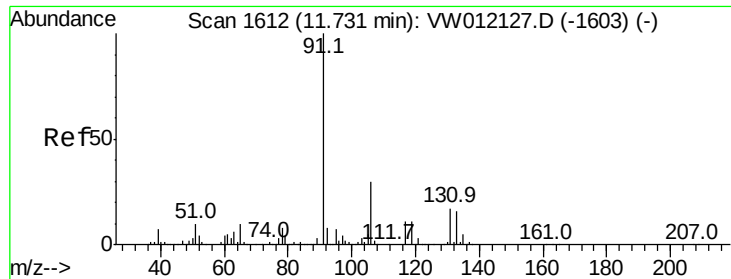
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.942 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	103348		
133	95.8	47.1	141.3	
119	62.6	31.8	95.3	





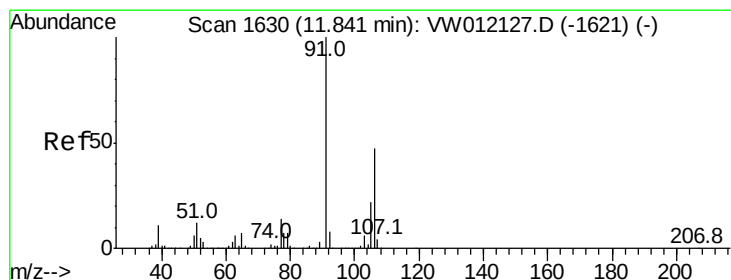
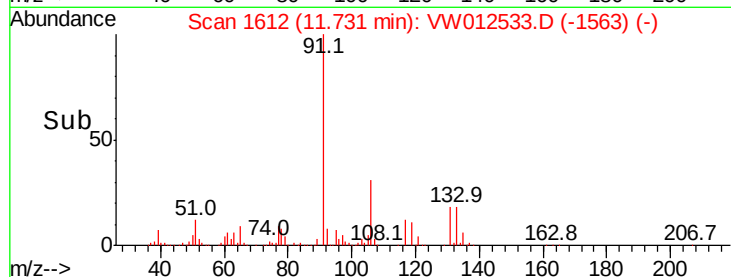
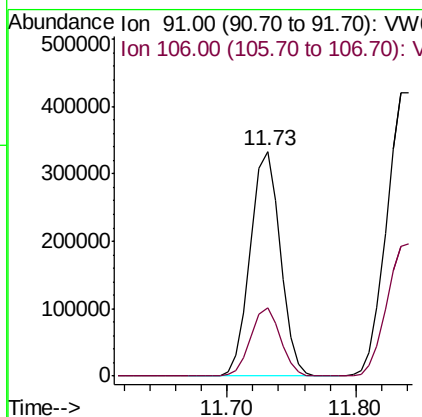
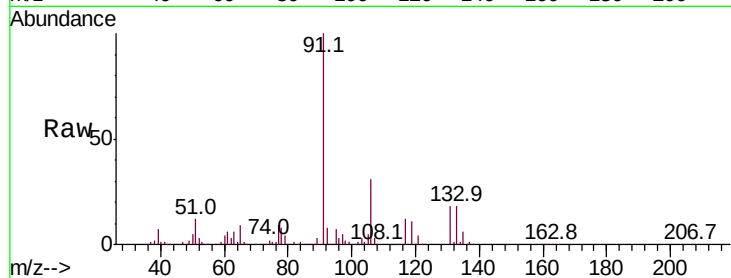
#67
Ethyl Benzene
Concen: 52.452 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.3	36.5

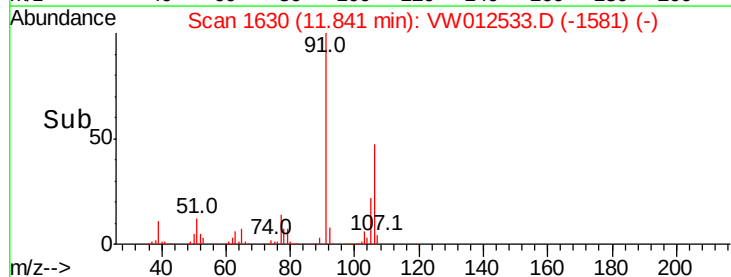
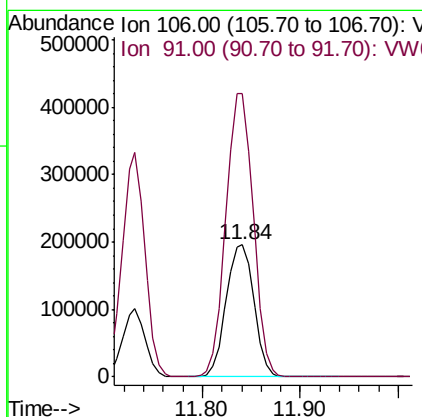
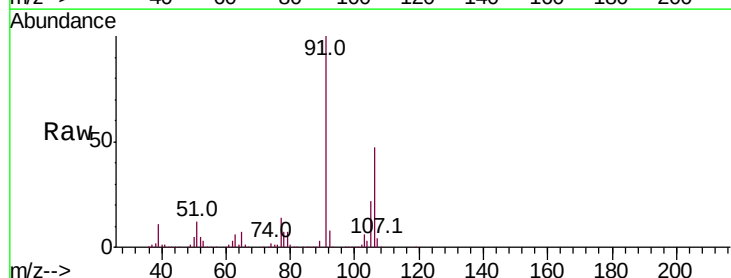
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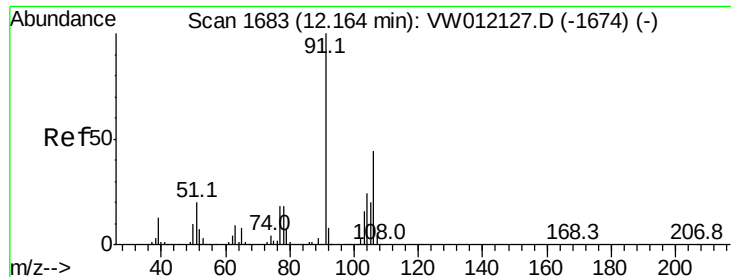
MMDadoda
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#68
m/p-Xylenes
Concen: 104.983 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.9	169.5	254.3





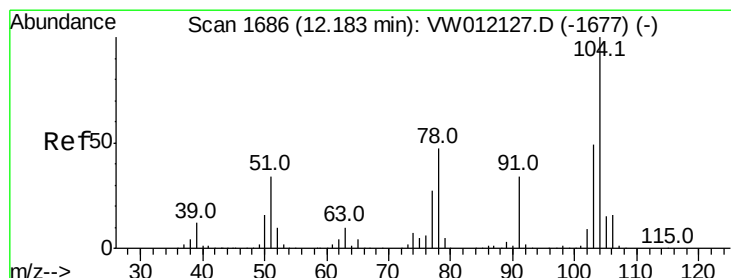
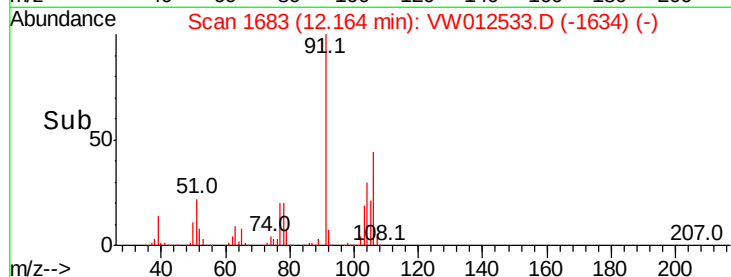
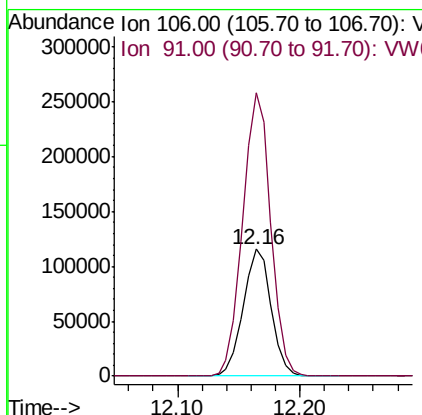
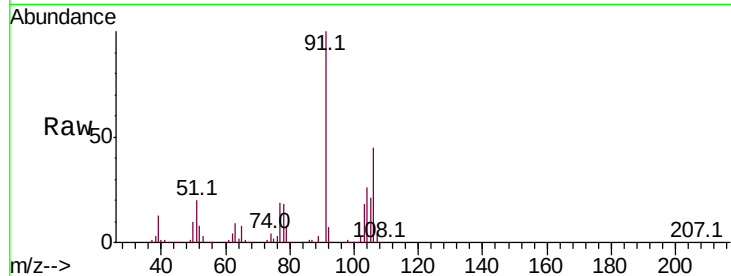
#69
o-Xylene
Concen: 53.975 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.2	111.6	334.6

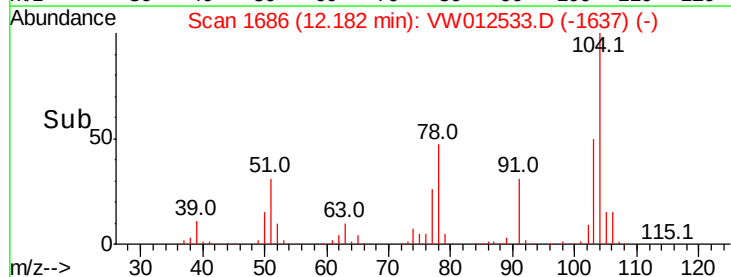
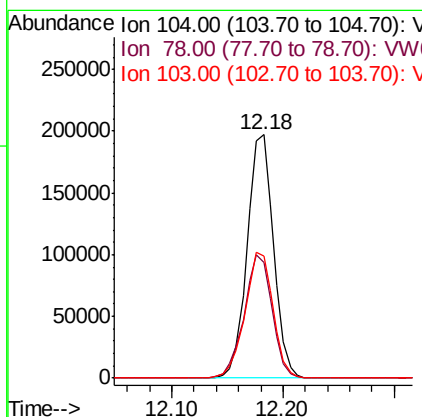
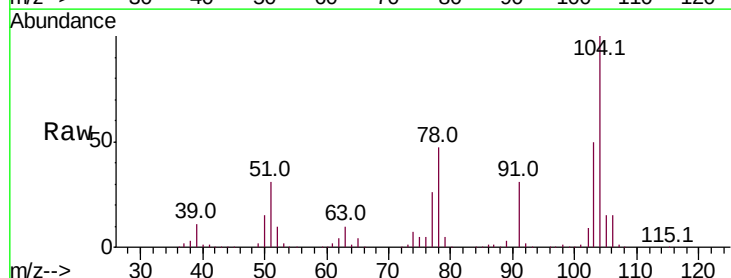
Manual Integrations
APPROVED

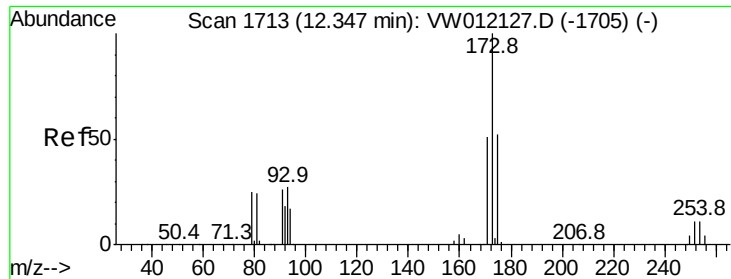
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#70
Styrene
Concen: 54.952 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.1	64.7
103	55.1	43.5	65.3





#71

Bromoform

Concen: 57.776 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 53179

Ion Ratio Lower Upper

173 100

175 49.8 24.6 74.0

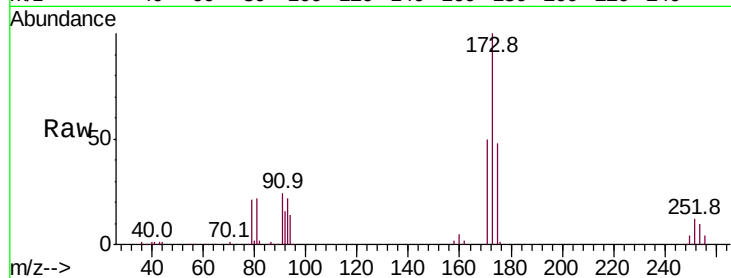
254 0.1 0.2 0.2#

Manual Integrations

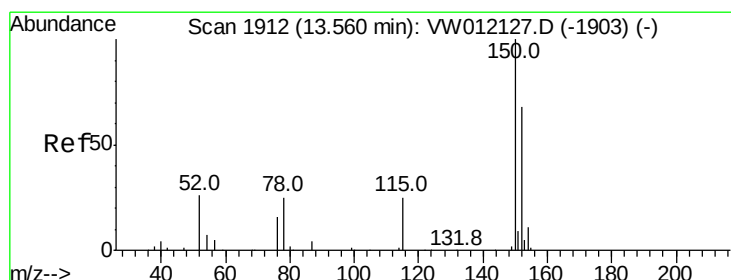
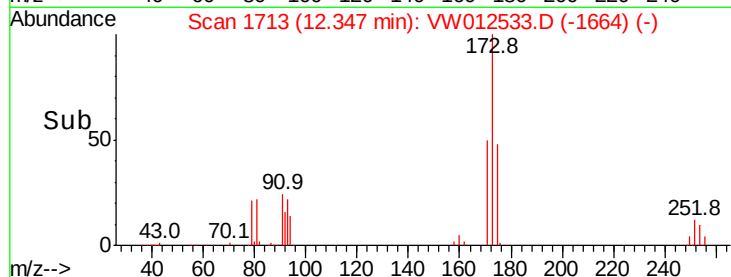
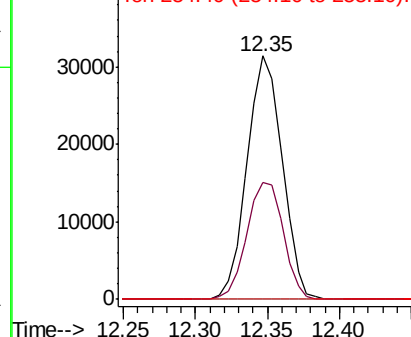
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

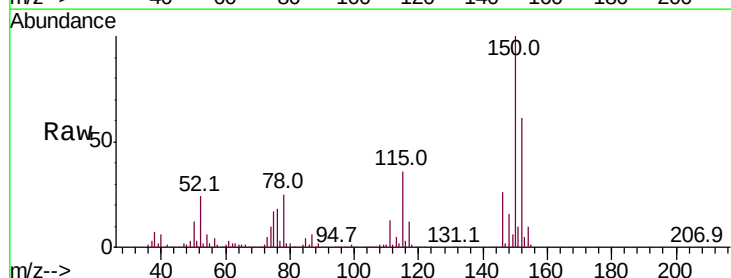
Tgt Ion:152 Resp: 131101

Ion Ratio Lower Upper

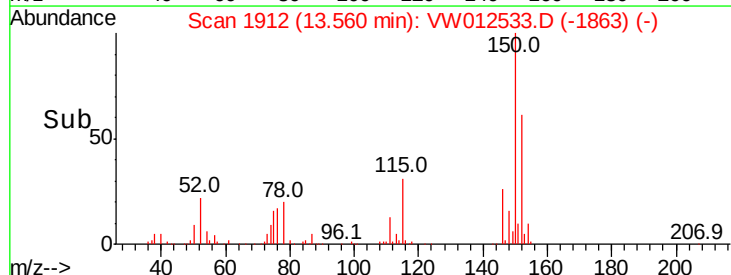
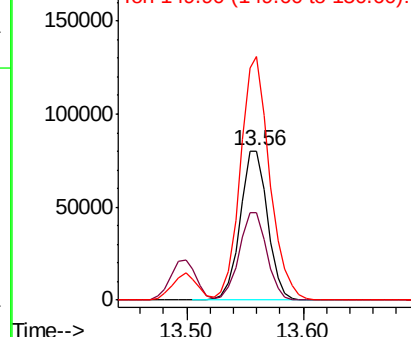
152 100

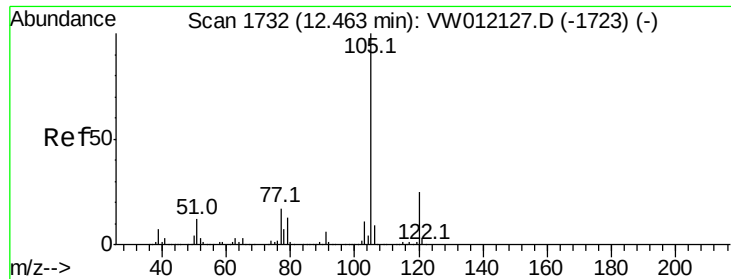
115 59.2 30.1 90.3

150 174.3 0.0 345.8



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





#73

Isopropylbenzene

Concen: 51.591 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 506812

Ion Ratio Lower Upper

105 100

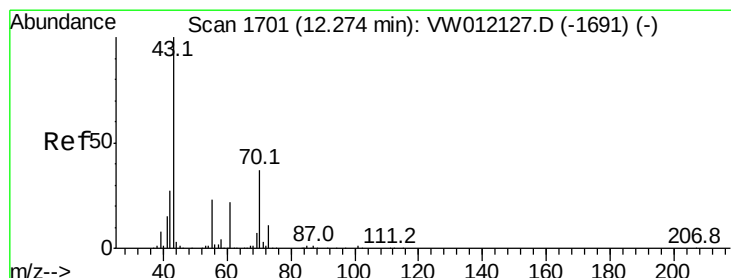
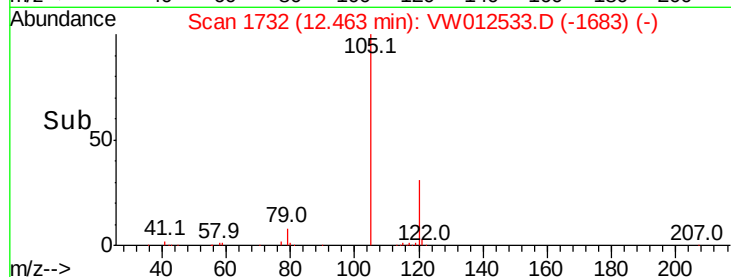
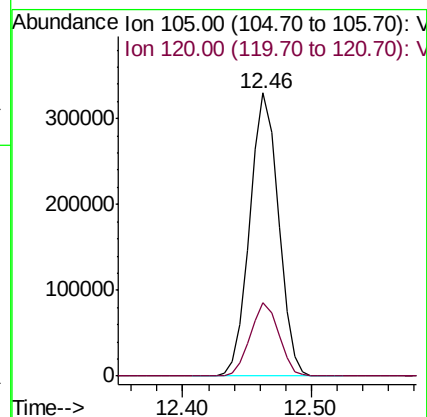
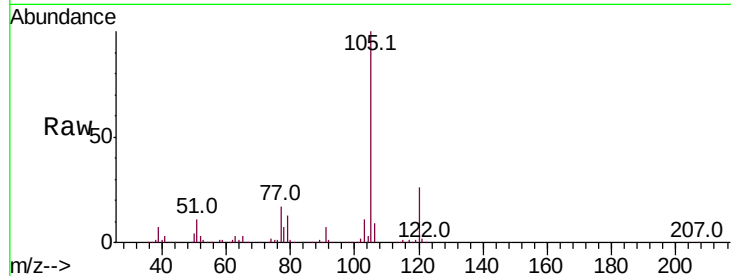
120 25.7 12.5 37.5

Manual Integrations

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#74

N-amyl acetate

Concen: 52.759 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion: 43 Resp: 156589

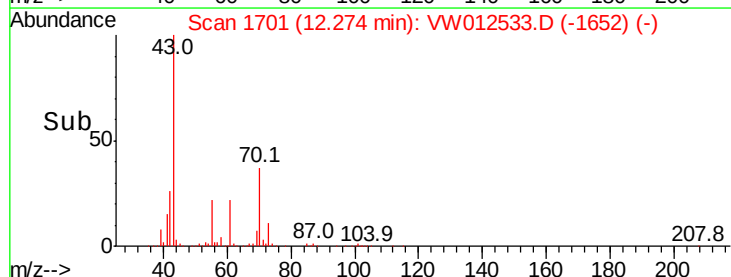
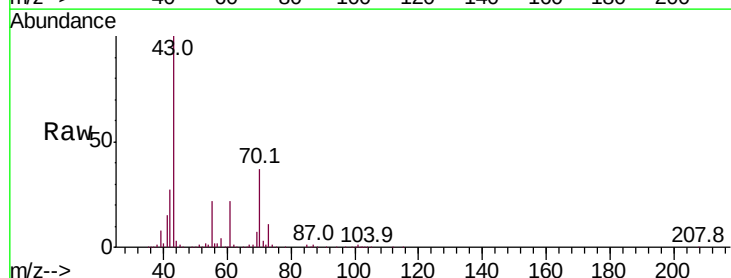
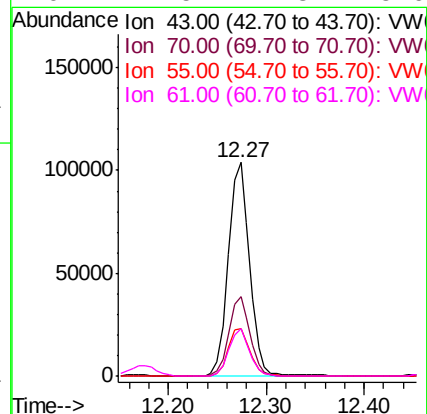
Ion Ratio Lower Upper

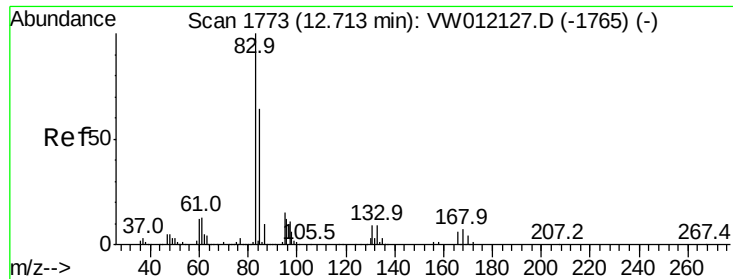
43 100

70 37.1 28.6 43.0

55 22.9 17.8 26.6

61 21.5 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.450 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

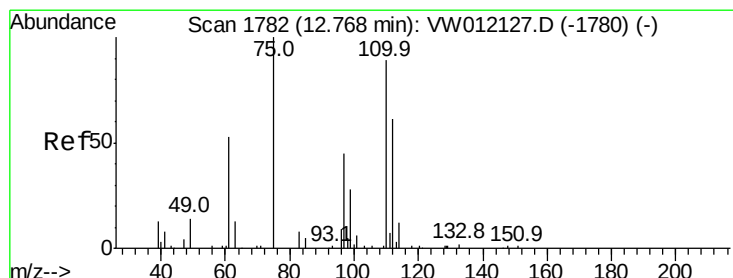
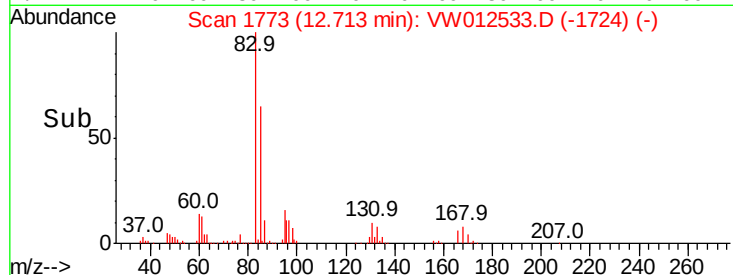
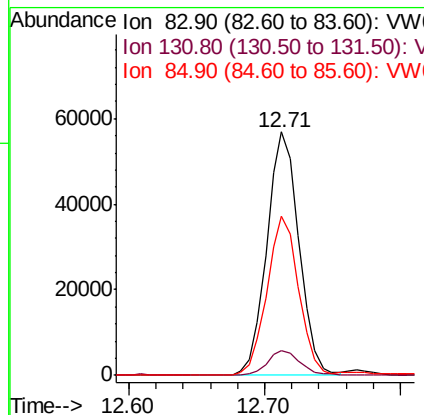
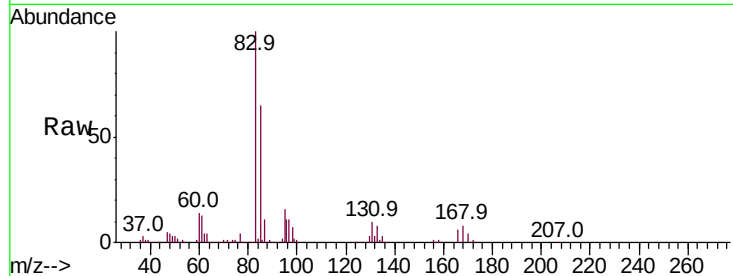
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	94460
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	64.1	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.202 ug/l m

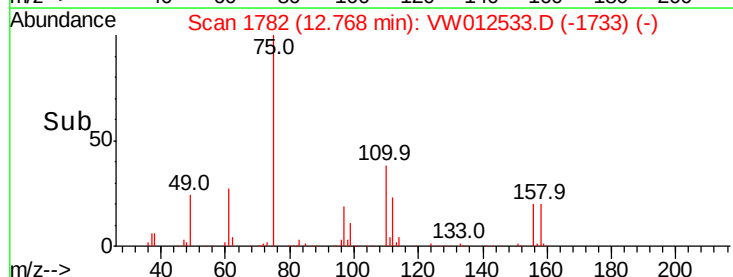
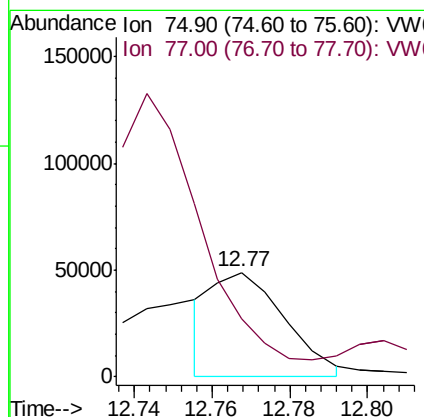
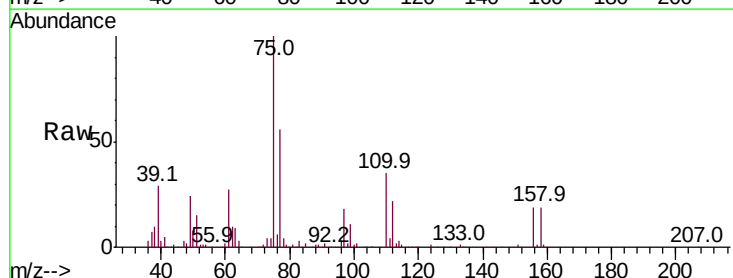
RT: 12.77 min Scan# 1782

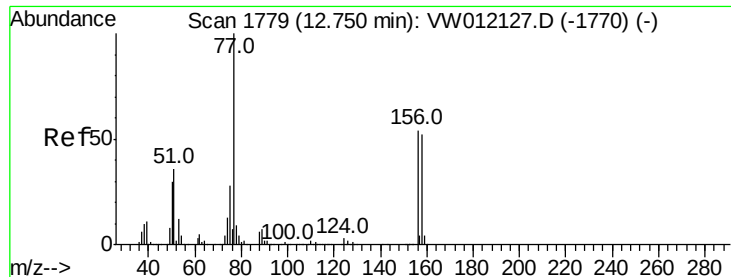
Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion:	75	Resp:	64099
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.542 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 115914

Ion Ratio Lower Upper

156 100

77 204.2 107.3 321.8

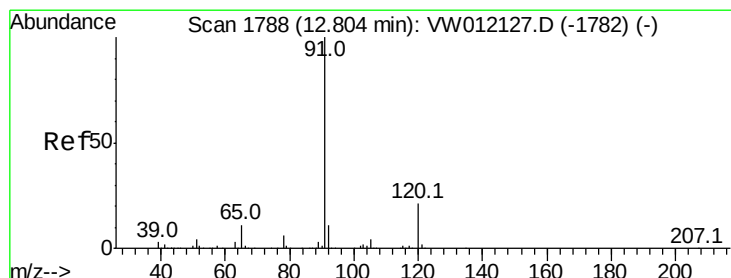
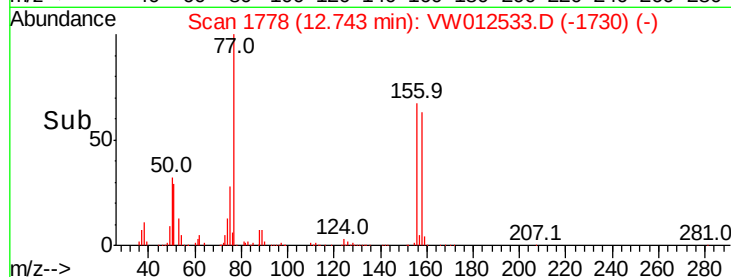
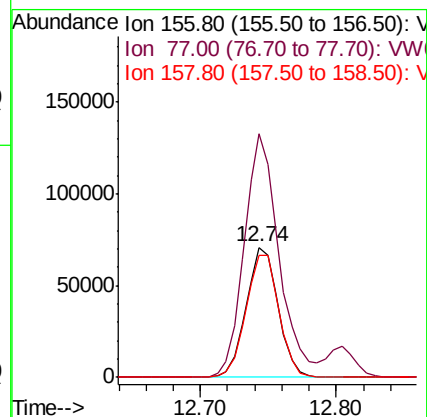
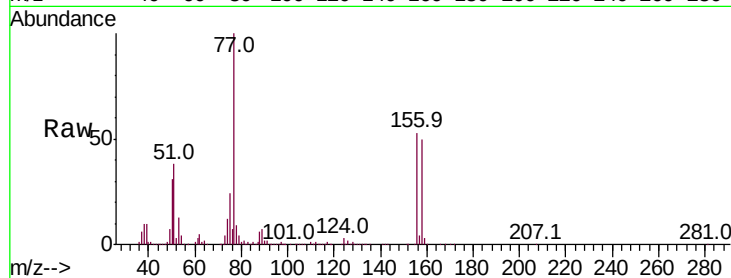
158 97.1 49.0 147.0

Manual Integrations

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#78

n-propylbenzene

Concen: 50.322 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012533.D

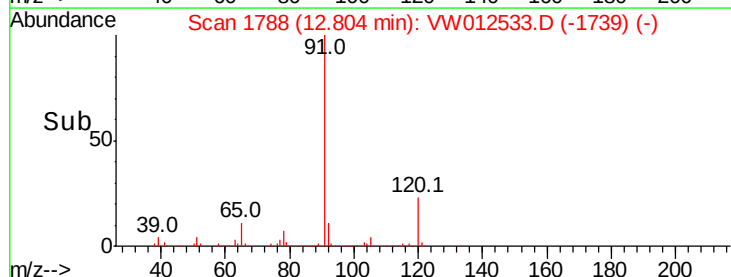
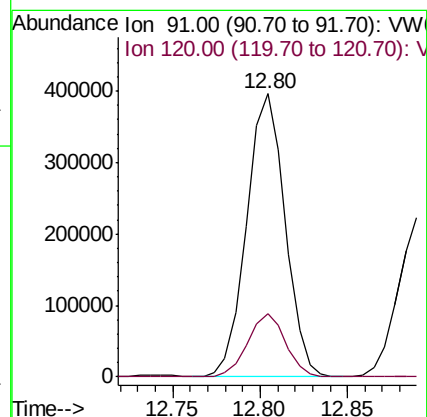
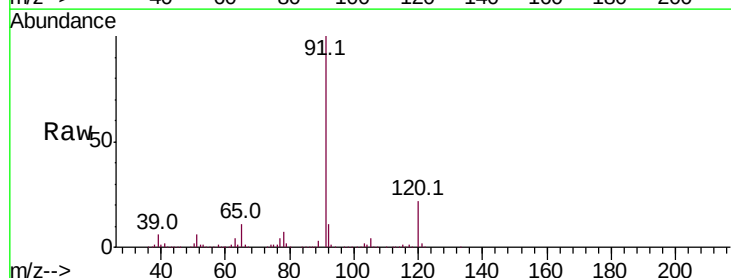
Acq: 03 Sep 2019 07:06

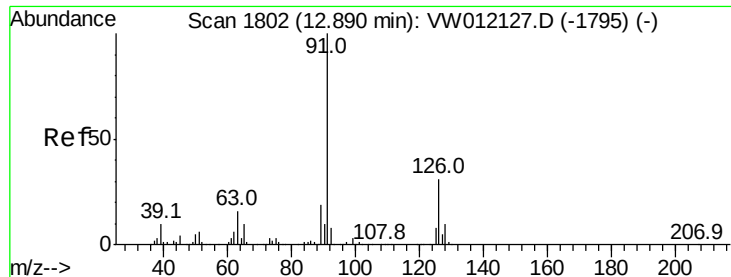
Tgt Ion: 91 Resp: 603493

Ion Ratio Lower Upper

91 100

120 21.9 10.5 31.6





#79

2-Chlorotoluene

Concen: 51.854 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 353059

Ion Ratio Lower Upper

91 100

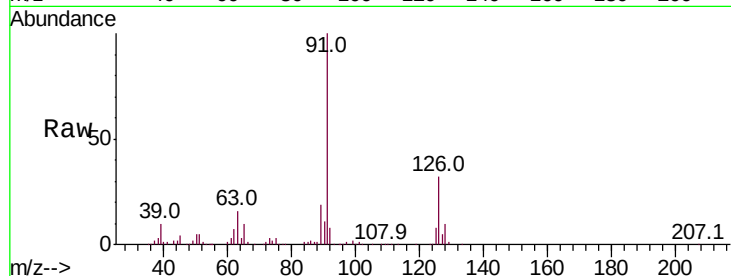
126 31.8 15.7 47.0

Manual Integrations

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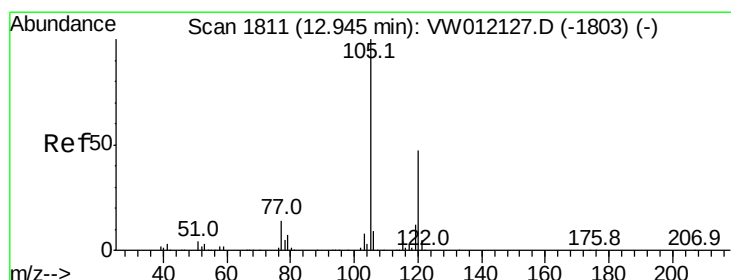
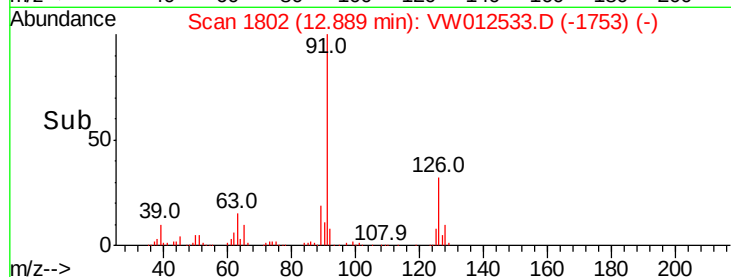
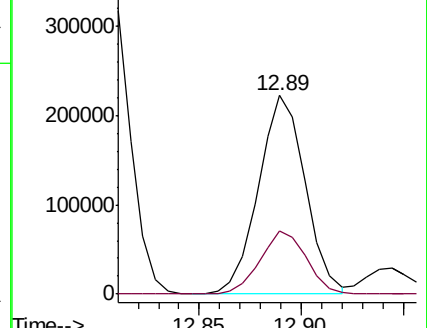
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.172 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012533.D

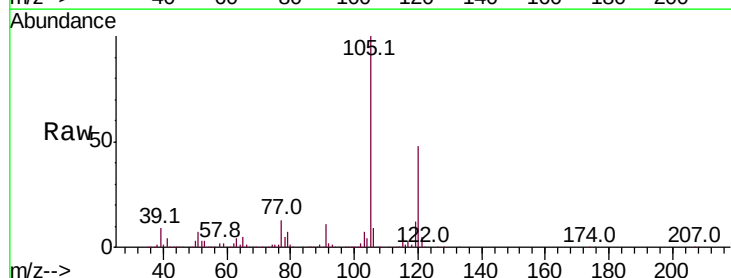
Acq: 03 Sep 2019 07:06

Tgt Ion:105 Resp: 428260

Ion Ratio Lower Upper

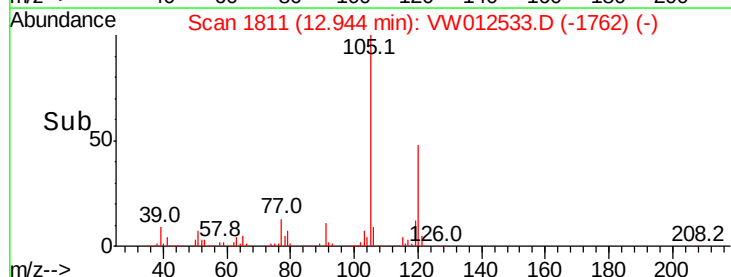
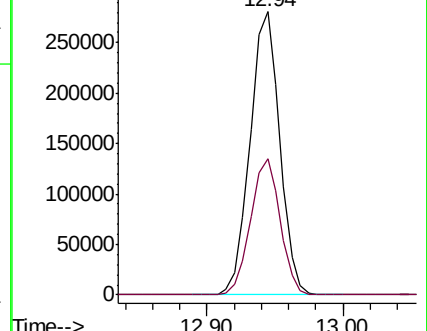
105 100

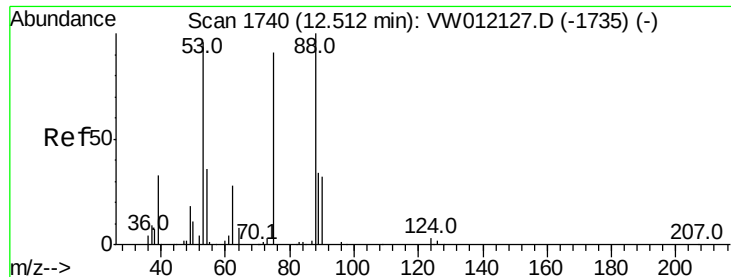
120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





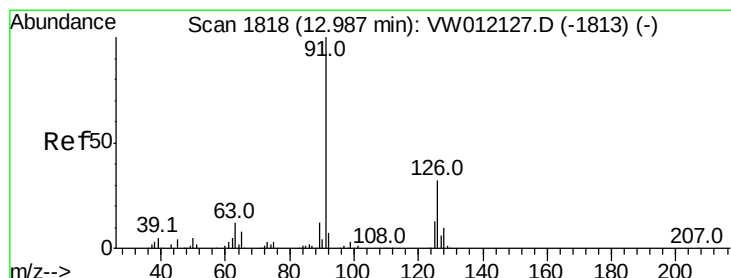
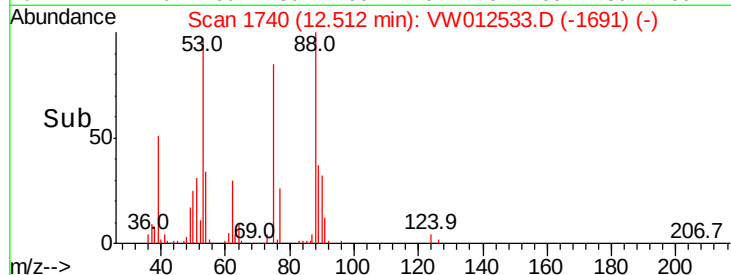
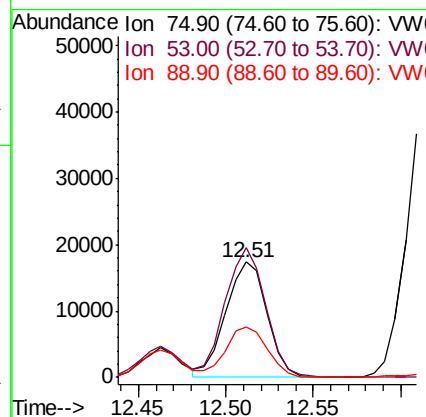
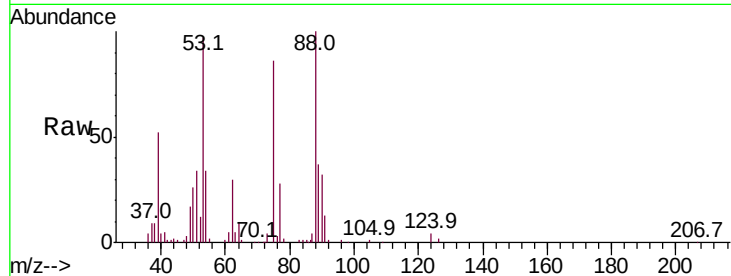
#81
trans-1,4-Dichloro-2-butene
Concen: 48.354 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.5	89.4	134.0
89	43.8	34.5	51.7

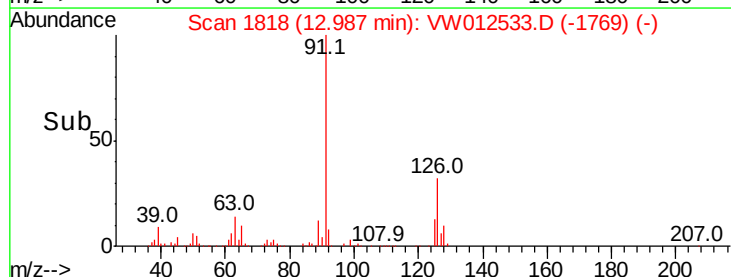
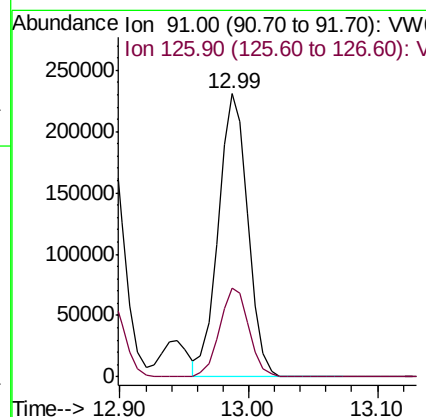
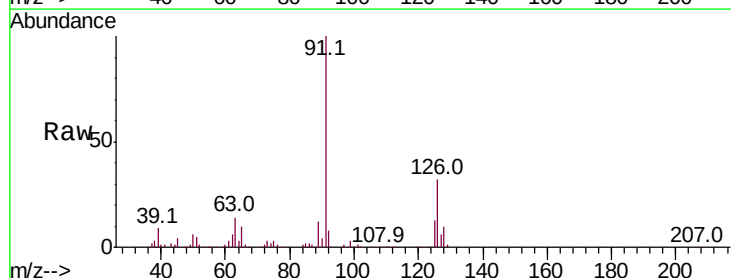
Manual Integrations
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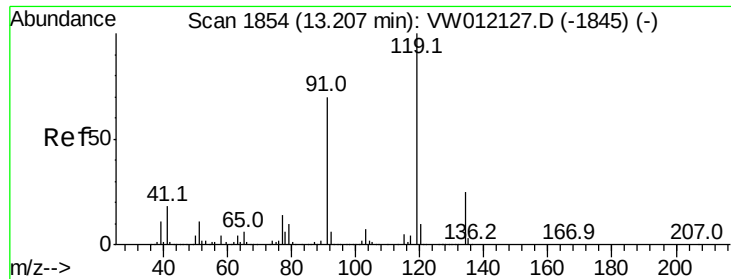
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#82
4-Chlorotoluene
Concen: 52.010 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.8





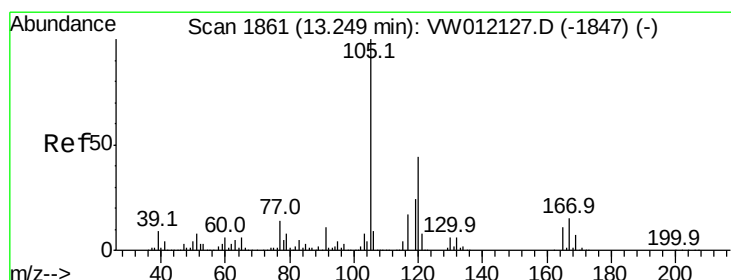
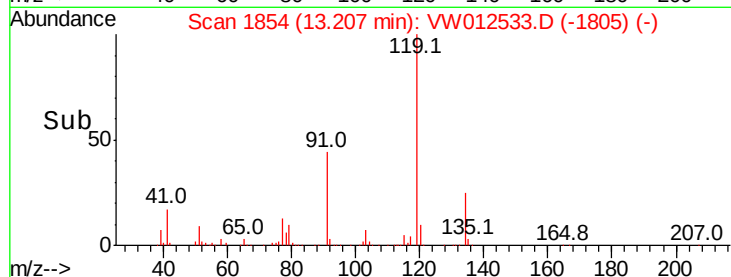
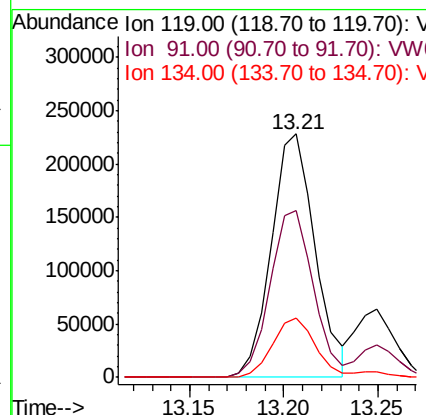
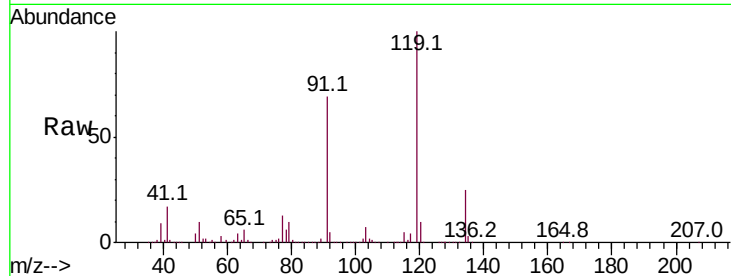
#83
 tert-Butylbenzene
 Concen: 52.765 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.8	104.3
134	24.2	13.3	39.8

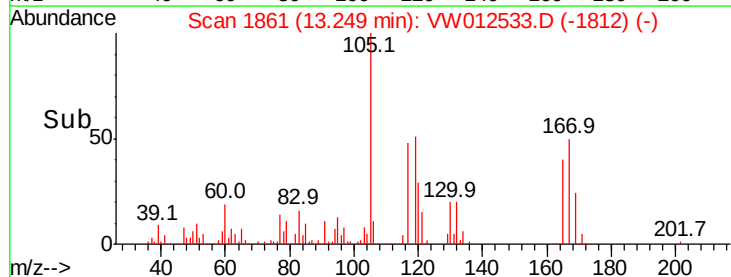
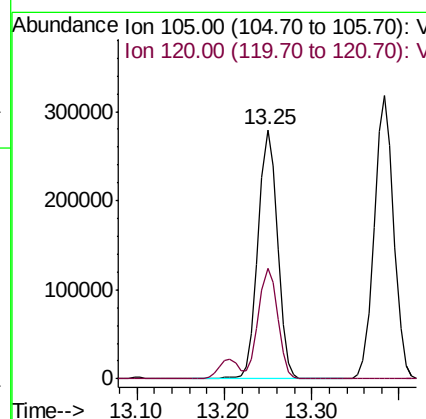
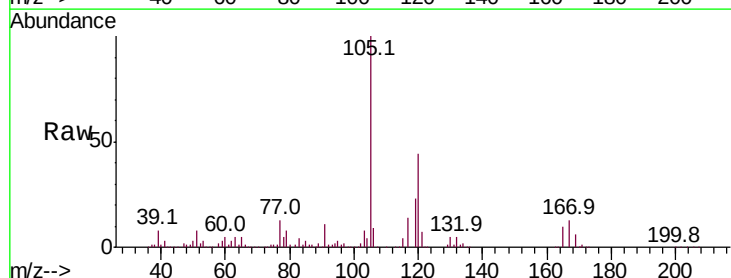
Manual Integrations
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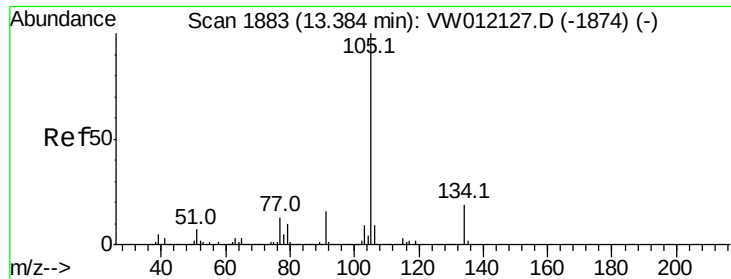
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.254 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7





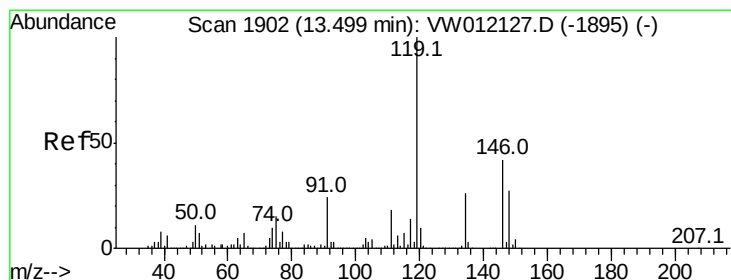
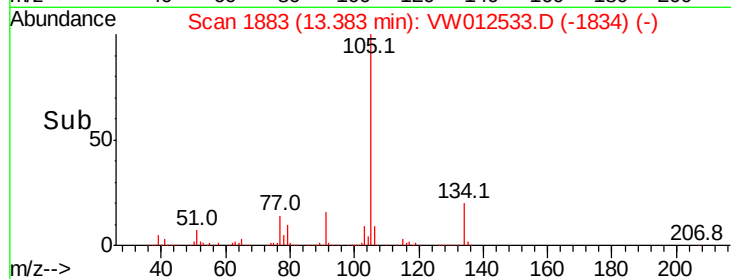
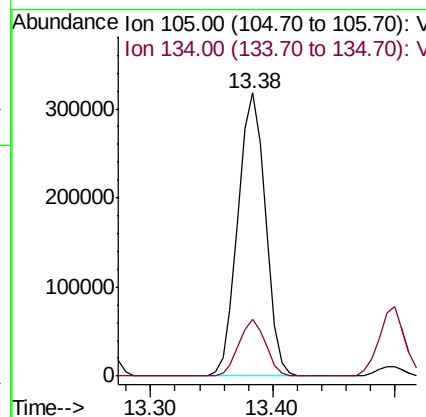
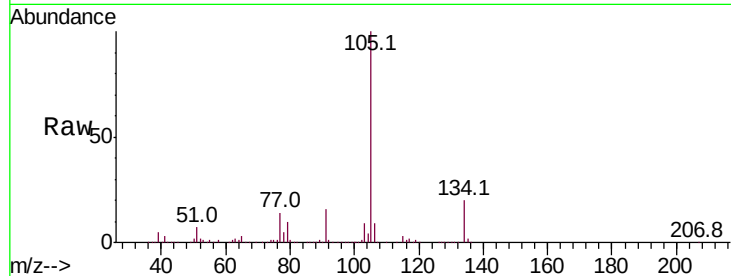
#85
 sec-Butylbenzene
 Concen: 49.616 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

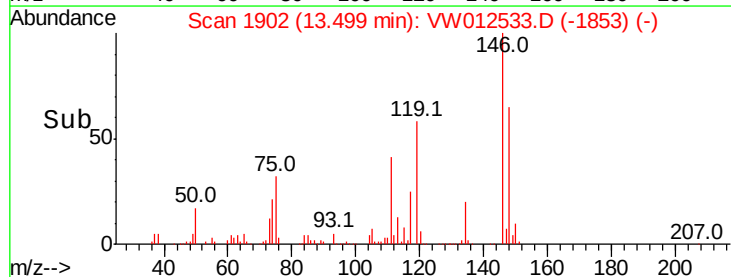
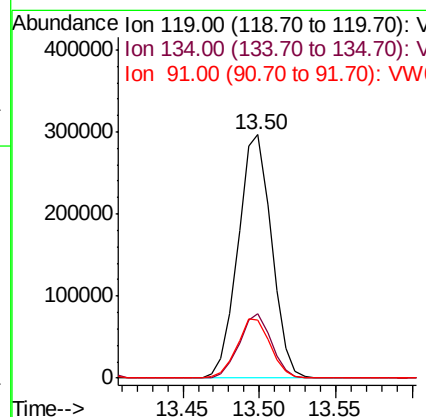
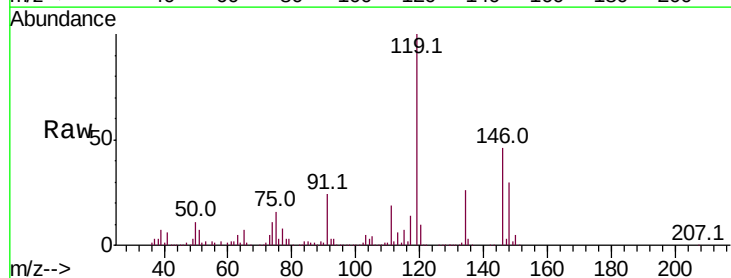
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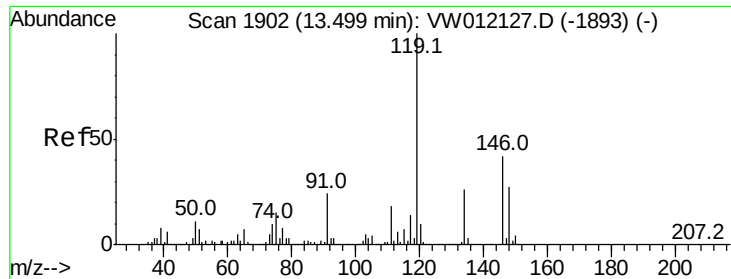
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#86
 p-Isopropyltoluene
 Concen: 50.591 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.8	38.3
91	24.4	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 52.668 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

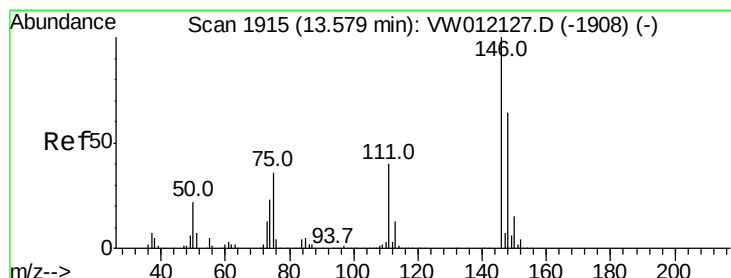
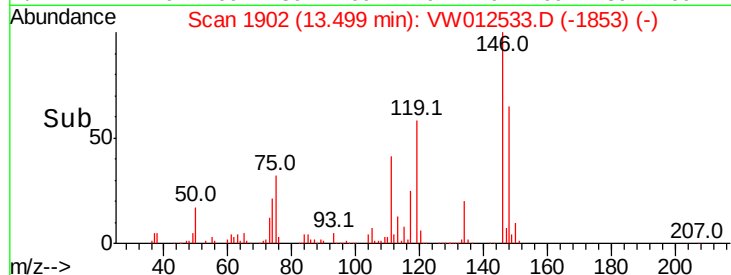
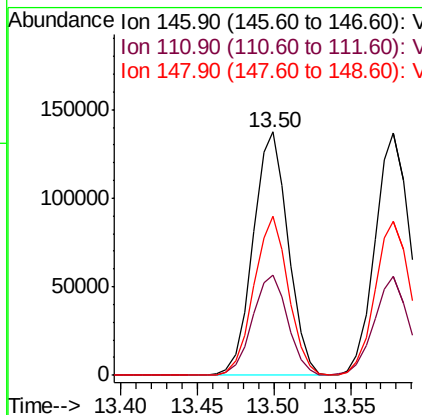
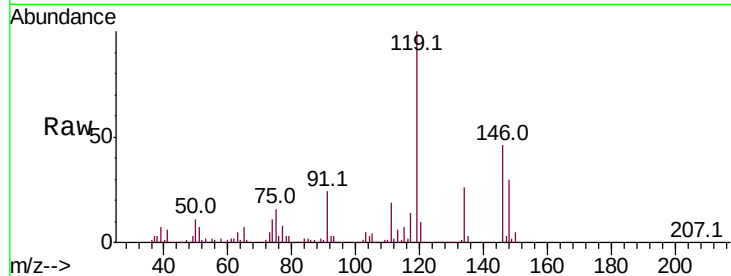
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	218936
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.9	62.7
148	64.4	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.592 ug/l

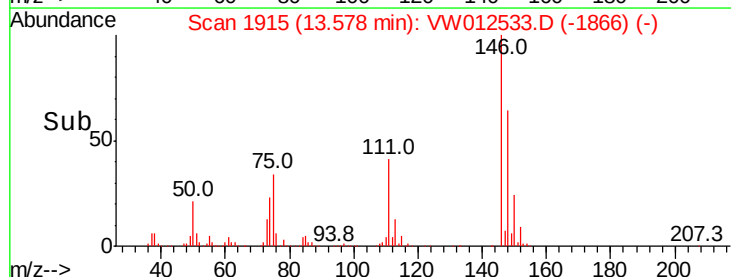
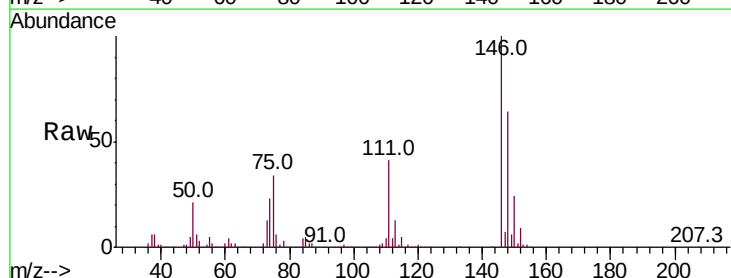
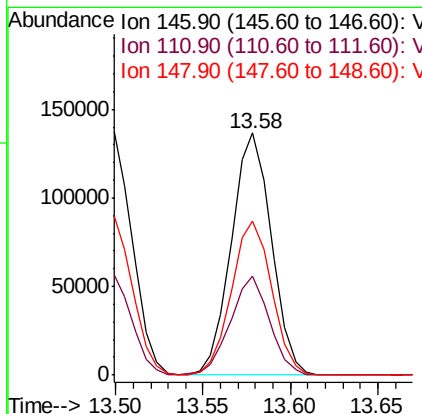
RT: 13.58 min Scan# 1915

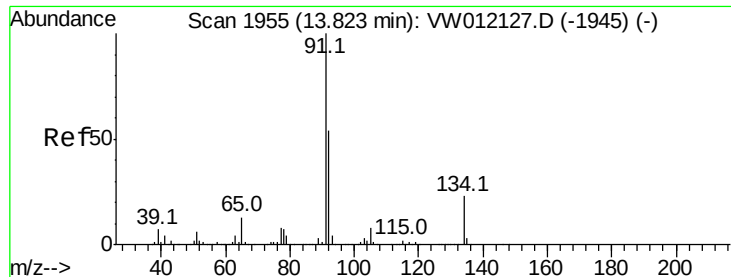
Delta R.T. -0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion:	146	Resp:	217070
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.0	60.0
148	64.4	32.1	96.3





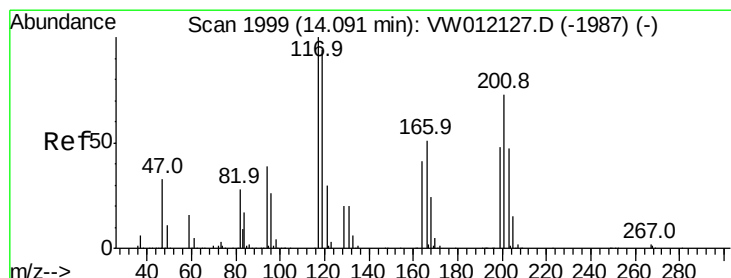
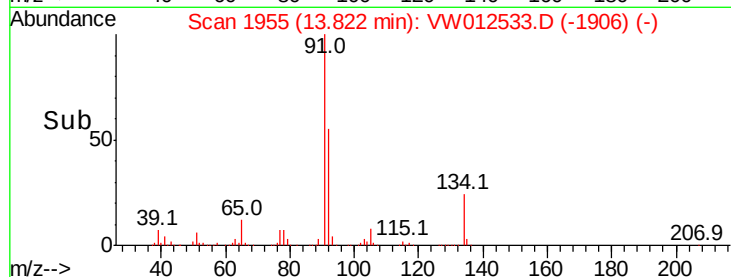
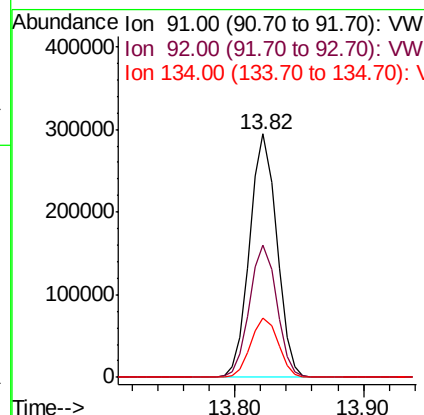
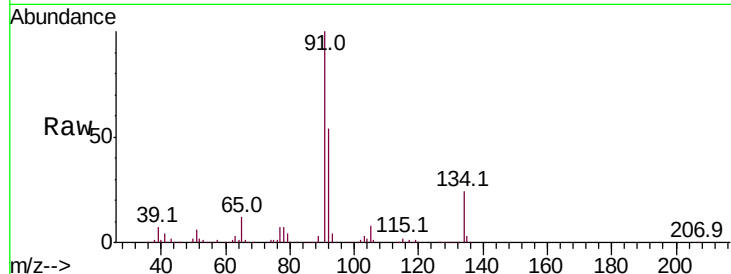
#89
n-Butylbenzene
Concen: 48.319 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	24.8	12.2	36.4

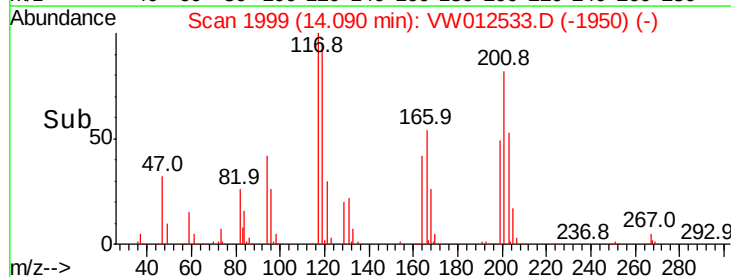
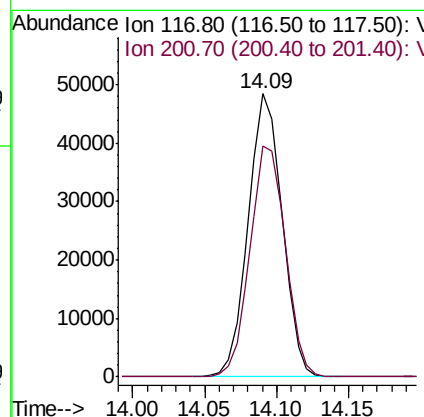
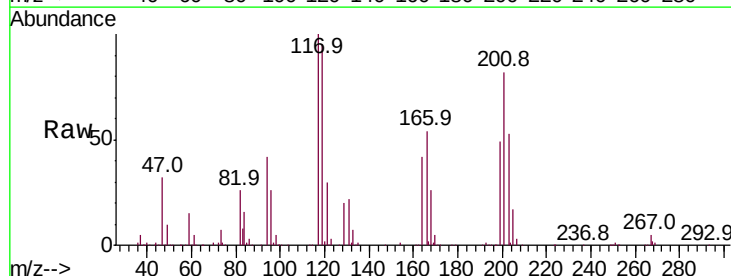
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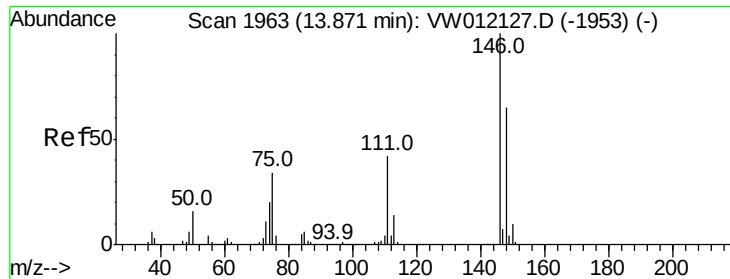
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#90
Hexachloroethane
Concen: 50.720 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012533.D
Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	38.6	115.7





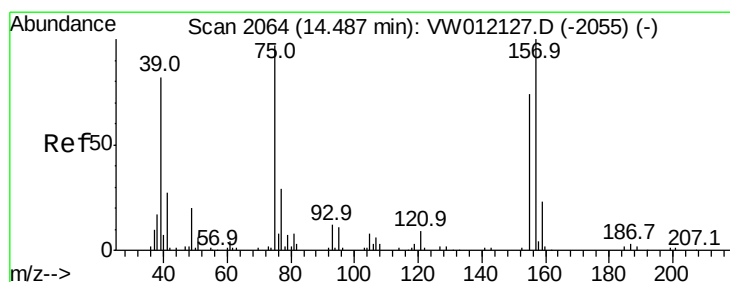
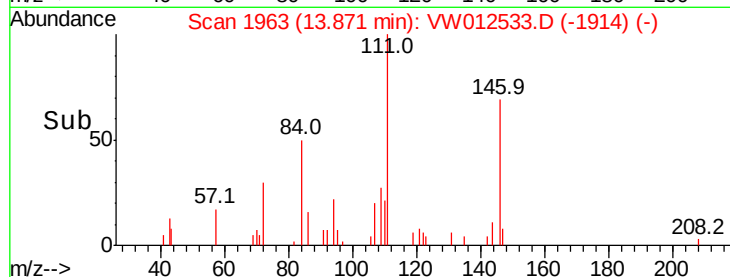
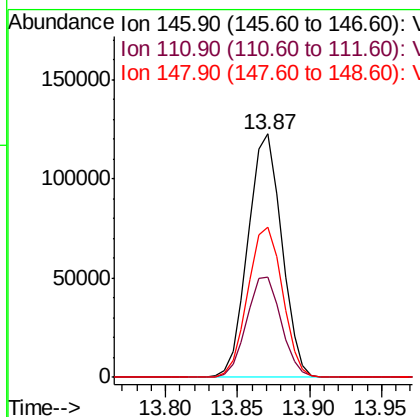
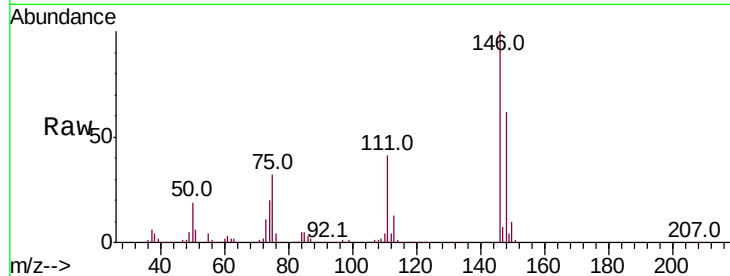
#91
 1,2-Dichlorobenzene
 Concen: 54.591 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	63.4	32.5	97.4

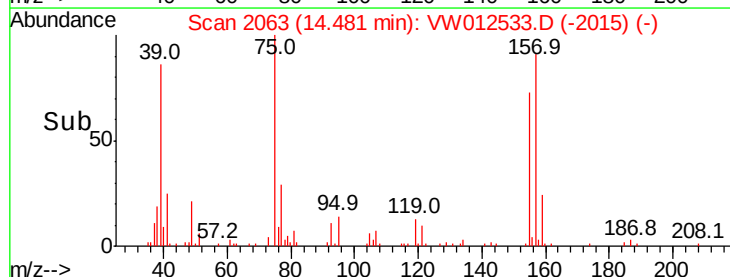
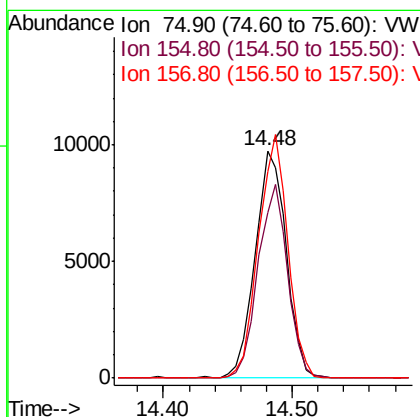
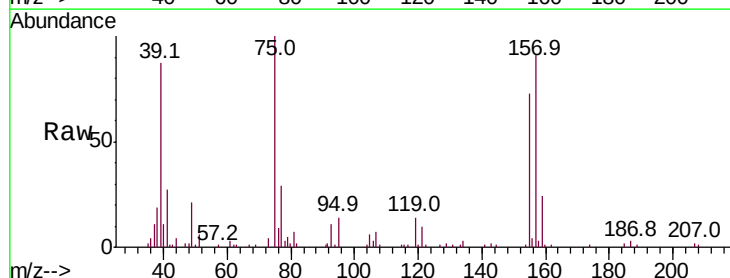
Manual Integrations
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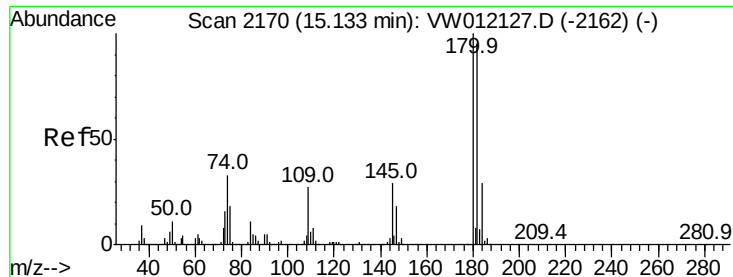
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.407 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	37.5	112.3
157	101.2	50.5	151.5





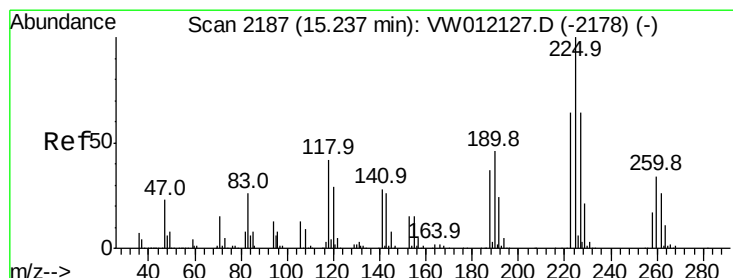
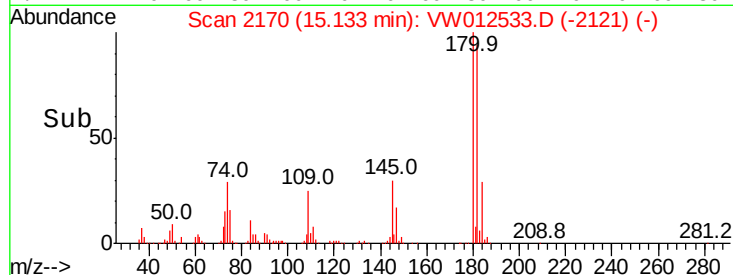
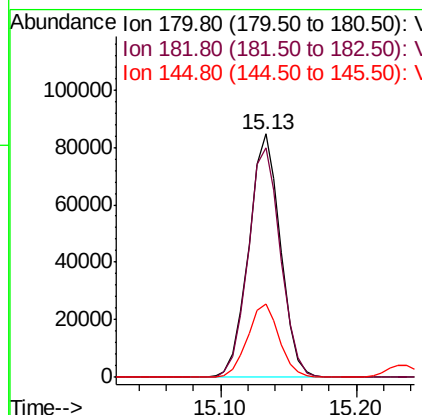
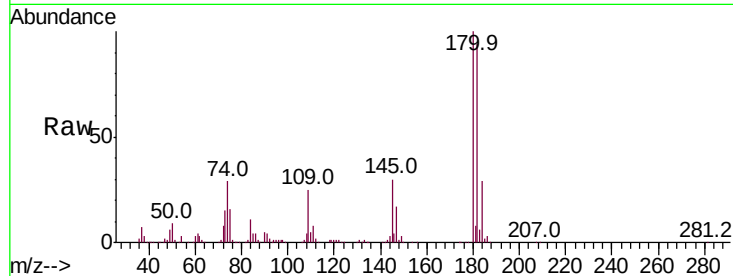
#93
 1,2,4-Trichlorobenzene
 Concen: 54.745 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	47.8	143.4	
145	30.2	15.0	45.1	

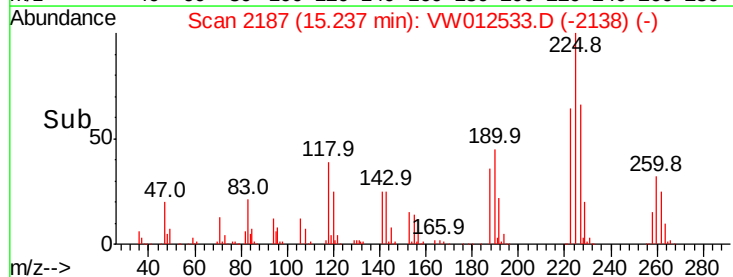
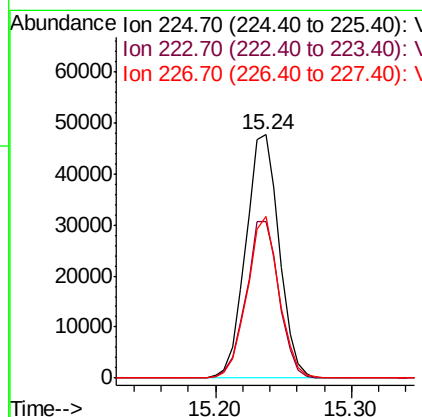
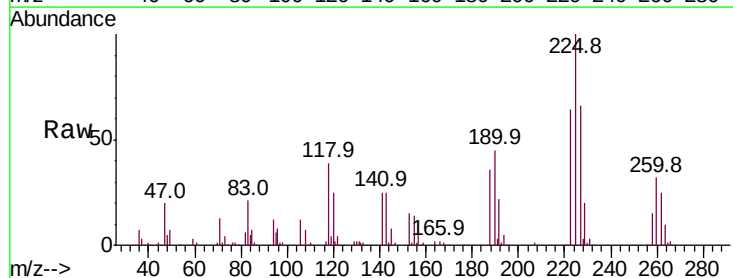
Manual Integrations
 APPROVED

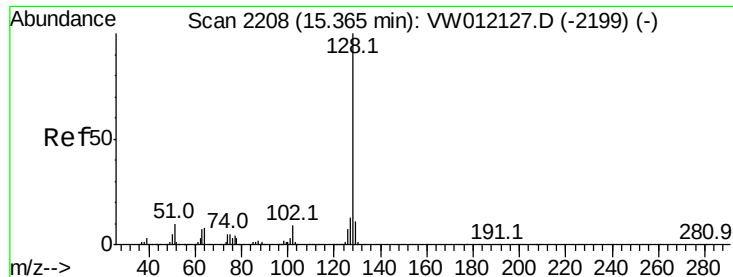
MMDadoda
 9/3/2019 10:56:35 AM



#94
 Hexachlorobutadiene
 Concen: 49.198 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012533.D
 Acq: 03 Sep 2019 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	32.3	96.8	
227	63.3	32.9	98.6	





#95

Naphthalene

Concen: 51.340 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Instrument :

MSVOA_W

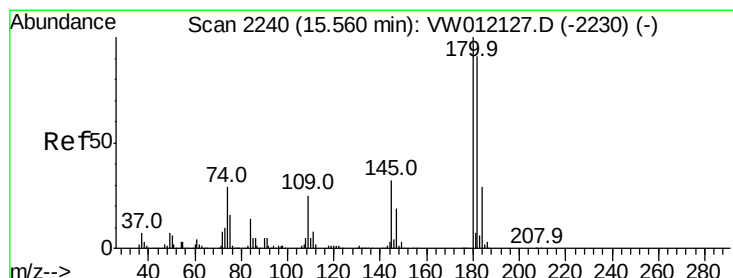
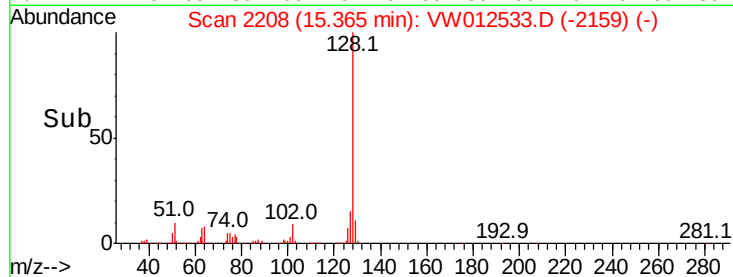
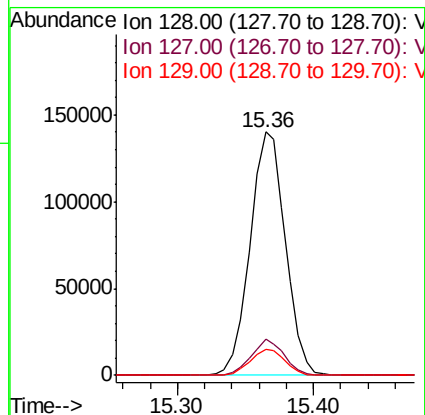
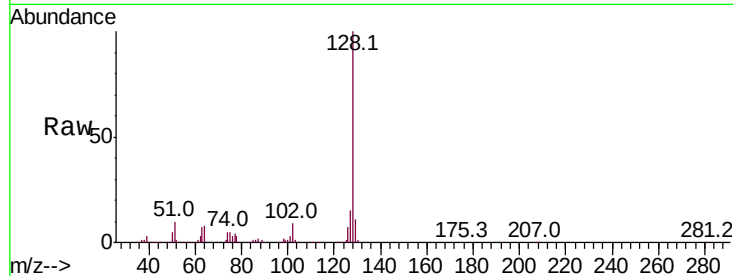
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	254504
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.7	16.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:56:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.869 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012533.D

Acq: 03 Sep 2019 07:06

Tgt Ion:	180	Resp:	122839
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.1	141.3
145	31.6	16.2	48.5

