

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012132.D
 Acq On : 23 Aug 2019 14:47
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:39:26 AM

Quant Time: Aug 26 07:36:15 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	271286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	158069	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	7.88	113	128323	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.32	98	523384	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.62	95	182018	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	90671	54.281	ug/l	94
3) Chloromethane	2.21	50	129051	49.866	ug/l	100
4) Vinyl Chloride	2.36	62	162099	51.175	ug/l	98
5) Bromomethane	2.78	94	80652	50.276	ug/l	100
6) Chloroethane	2.92	64	92200	51.599	ug/l	99
7) Trichlorofluoromethane	3.26	101	84810	53.322	ug/l	100
8) Diethyl Ether	3.68	74	74072	49.064	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	135241	50.024	ug/l	98
10) Methyl Iodide	4.27	142	182479	49.885	ug/l	100
11) Tert butyl alcohol	5.18	59	47892	246.771	ug/l	100
12) 1,1-Dichloroethene	4.04	96	137632	50.579	ug/l	95
13) Acrolein	3.89	56	42184	230.909	ug/l	98
14) Allyl chloride	4.67	41	300383	51.636	ug/l	100
15) Acrylonitrile	5.37	53	182274	243.584	ug/l	99
16) Acetone	4.13	43	214726	260.476	ug/l	99
17) Carbon Disulfide	4.39	76	437815	53.238	ug/l	99
18) Methyl Acetate	4.67	43	95440	46.743	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	218490	49.651	ug/l	99
20) Methylene Chloride	4.91	84	143286	45.978	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	146379	50.164	ug/l	97
22) Diisopropyl ether	6.31	45	535969	49.705	ug/l	98
23) Vinyl Acetate	6.25	43	1692458	255.040	ug/l	100
24) 1,1-Dichloroethane	6.21	63	286648	48.823	ug/l	99
25) 2-Butanone	7.17	43	275340	245.793	ug/l	98
26) 2,2-Dichloropropane	7.17	77	168218	50.620	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	153617	49.274	ug/l	99
28) Bromochloromethane	7.51	49	123106	48.108	ug/l	98
29) Tetrahydrofuran	7.53	42	169725	252.538	ug/l	99
30) Chloroform	7.67	83	260028	48.409	ug/l	99
31) Cyclohexane	7.95	56	283390	48.787	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	212428	49.991	ug/l	100
36) 1,1-Dichloropropene	8.08	75	227770	51.372	ug/l	100
37) Ethyl Acetate	7.25	43	119673	49.256	ug/l	99
38) Carbon Tetrachloride	8.07	117	194594	50.709	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	259465	52.092	ug/l	99
40) Benzene	8.32	78	604385	49.922	ug/l	100
41) Methacrylonitrile	7.48	41	69597	48.739	ug/l	99
42) 1,2-Dichloroethane	8.40	62	182075	47.986	ug/l	99
43) Isopropyl Acetate	8.42	43	221850	49.296	ug/l	100
44) Trichloroethene	9.09	130	147288	50.046	ug/l	96
45) 1,2-Dichloropropane	9.37	63	158551	48.661	ug/l	100
46) Dibromomethane	9.46	93	71742	49.488	ug/l	97
47) Bromodichloromethane	9.65	83	190885	49.475	ug/l	99
48) Methyl methacrylate	9.43	41	106909	49.912	ug/l	99
49) 1,4-Dioxane	9.46	88	23000	1036.359	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	570036	249.028	ug/l	99
52) Toluene	10.39	92	364195	50.075	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	200389	50.988	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	237509	50.051	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	100496	48.996	ug/l	97
56) Ethyl methacrylate	10.65	69	151176	50.641	ug/l	99
57) 1,3-Dichloropropane	10.93	76	191847	49.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	419415	273.755	ug/l	99
59) 2-Hexanone	10.97	43	407038	251.313	ug/l	100
60) Dibromochloromethane	11.13	129	113450	49.659	ug/l	99
61) 1,2-Dibromoethane	11.24	107	94609	49.511	ug/l	100
64) Tetrachloroethene	10.86	164	119838	50.367	ug/l	99
65) Chlorobenzene	11.66	112	360944	49.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	126870	50.326	ug/l	99
67) Ethyl Benzene	11.73	91	709854	50.994	ug/l	98
68) m/p-Xylenes	11.84	106	507864	101.285	ug/l	100
69) o-Xylene	12.16	106	235941	50.840	ug/l	100
70) Styrene	12.18	104	407834	50.771	ug/l	99
71) Bromoform	12.35	173	61494	48.960	ug/l #	98
73) Isopropylbenzene	12.46	105	670465	50.934	ug/l	99
74) N-amyl acetate	12.27	43	203280	51.114	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	116420	48.242	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	83486m	48.796	ug/l	
77) Bromobenzene	12.75	156	140950	49.495	ug/l	99
78) n-propylbenzene	12.80	91	818778	50.951	ug/l	99
79) 2-Chlorotoluene	12.89	91	461172	50.548	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	561846	51.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40743	52.212	ug/l	98
82) 4-Chlorotoluene	12.99	91	474014	49.619	ug/l	100
83) tert-Butylbenzene	13.21	119	472764	50.741	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	555878	50.310	ug/l	99
85) sec-Butylbenzene	13.38	105	684754	51.297	ug/l	100
86) p-Isopropyltoluene	13.50	119	613026	51.423	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	274542	49.289	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	269351	48.701	ug/l	99
89) n-Butylbenzene	13.82	91	620327	52.327	ug/l	100
90) Hexachloroethane	14.10	117	106317	50.832	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	240684	49.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19474	47.867	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	176091	52.147	ug/l	99
94) Hexachlorobutadiene	15.24	225	114209	51.221	ug/l	98
95) Naphthalene	15.37	128	318162	48.187	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	152700	51.830	ug/l	100

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

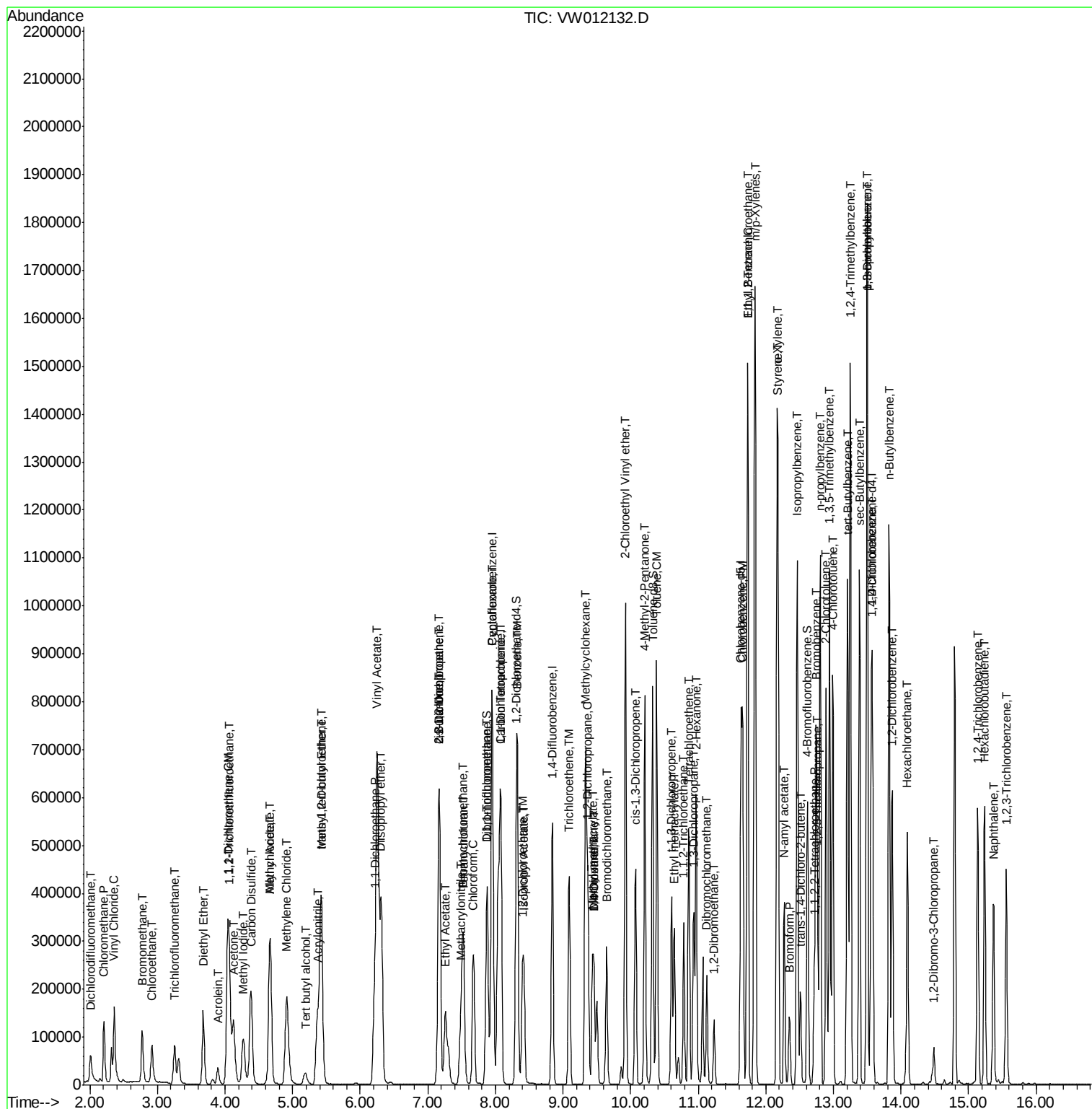
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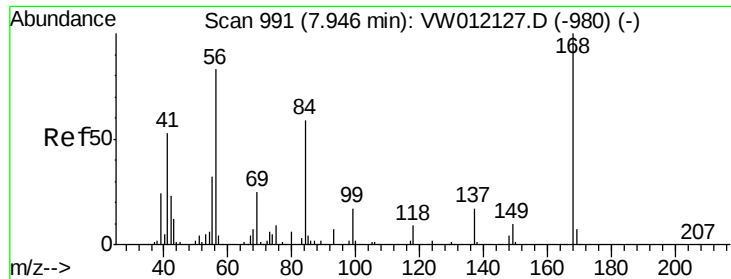
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 271286

Ion Ratio Lower Upper

168 100

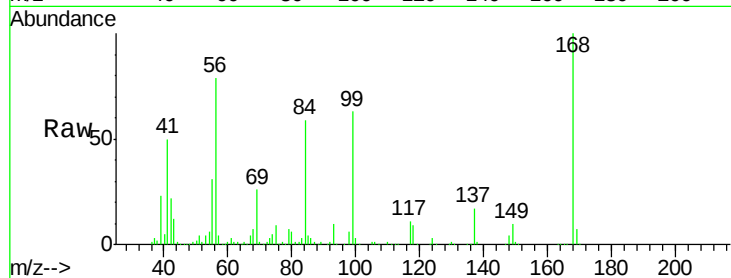
99 62.5 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

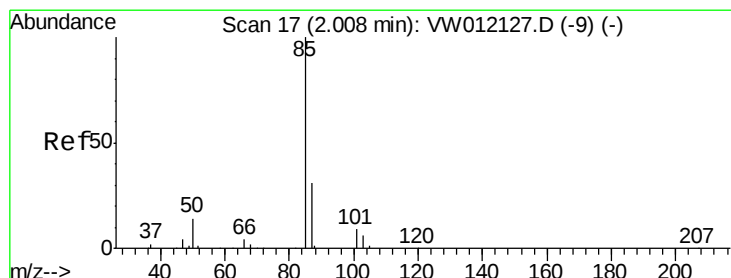
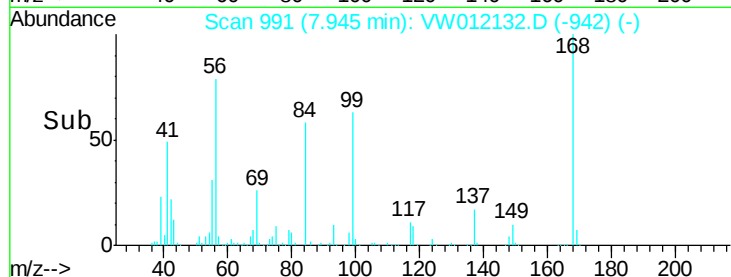
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.281 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012132.D

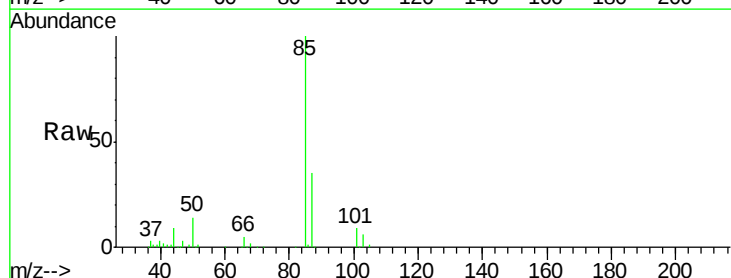
Acq: 23 Aug 2019 14:47

Tgt Ion: 85 Resp: 90671

Ion Ratio Lower Upper

85 100

87 34.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

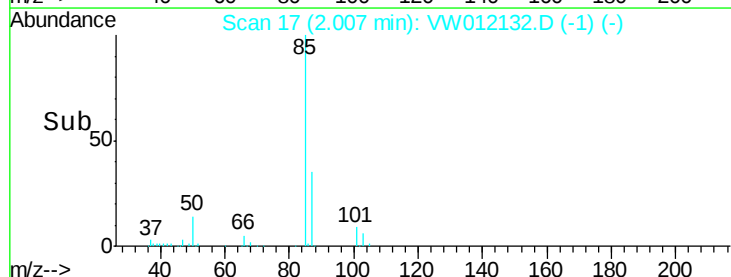
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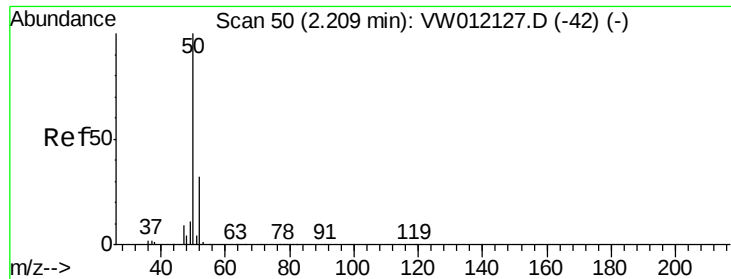
20000

10000

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Time-->





#3

Chloromethane

Concen: 49.866 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 129051

Ion Ratio Lower Upper

50 100

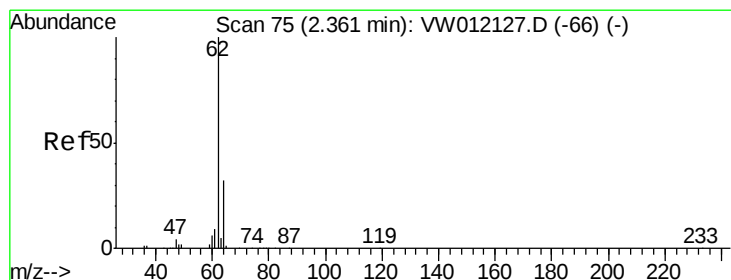
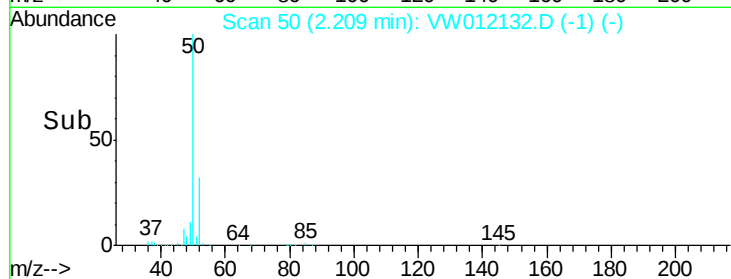
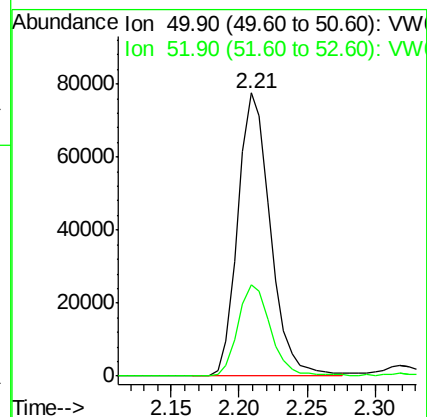
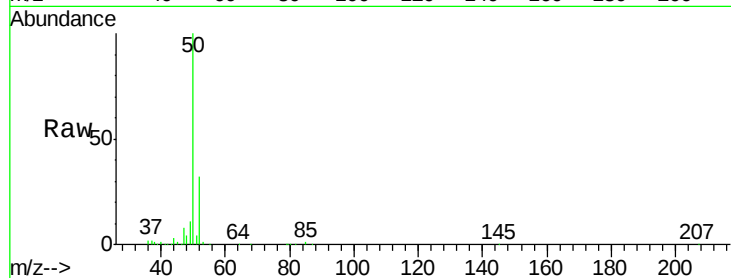
52 32.1 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.175 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012132.D

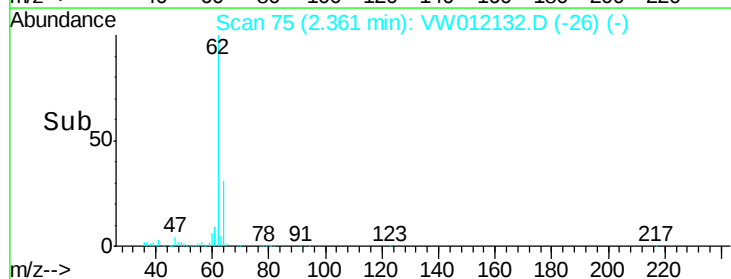
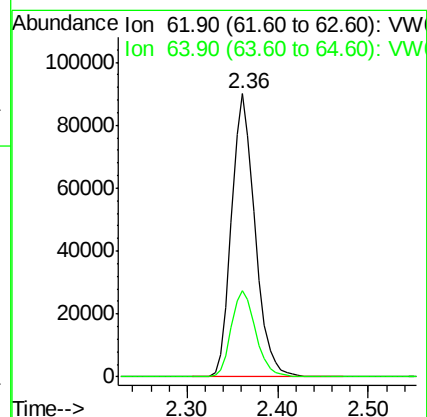
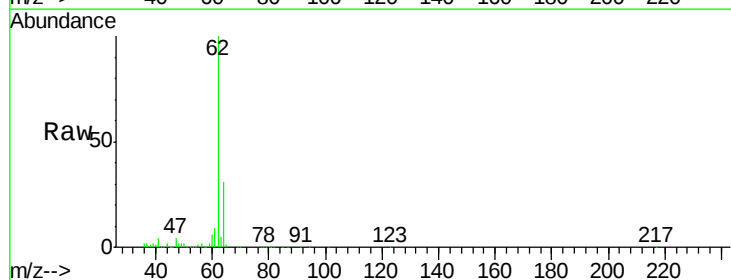
Acq: 23 Aug 2019 14:47

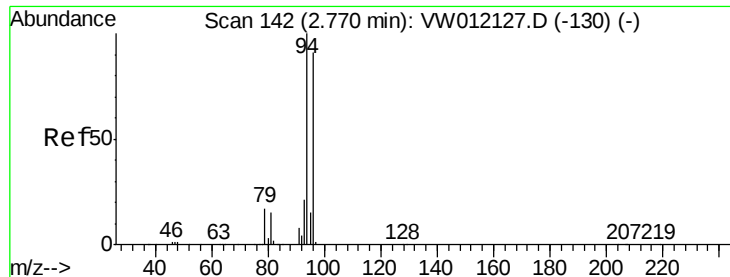
Tgt Ion: 62 Resp: 162099

Ion Ratio Lower Upper

62 100

64 30.5 25.3 37.9





#5

Bromomethane

Concen: 50.276 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 80652

Ion Ratio Lower Upper

94 100

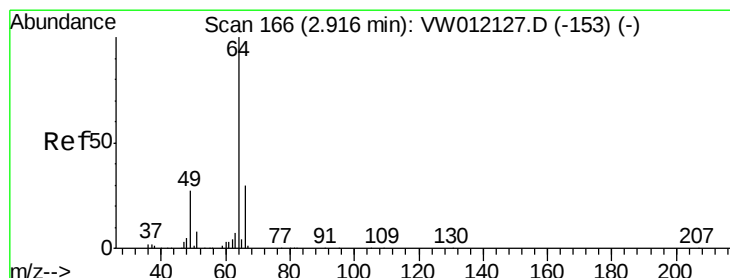
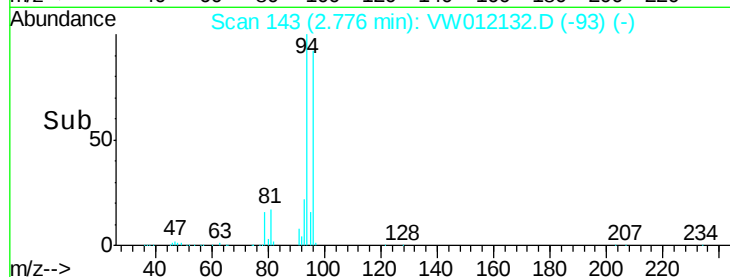
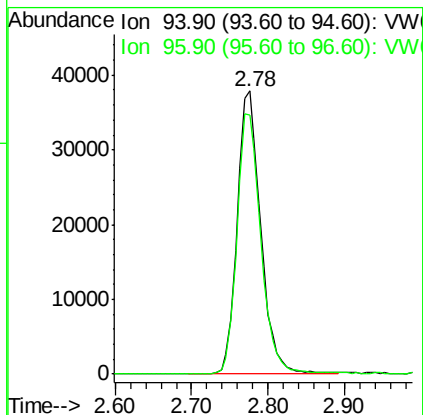
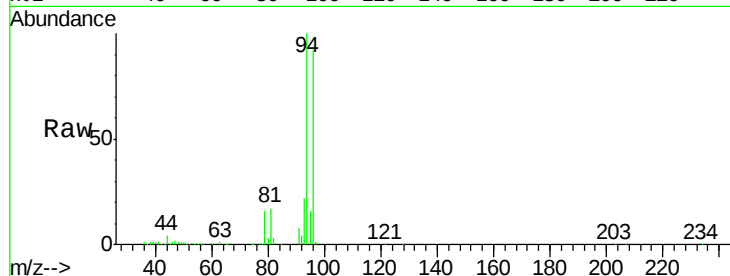
96 91.5 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 51.599 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012132.D

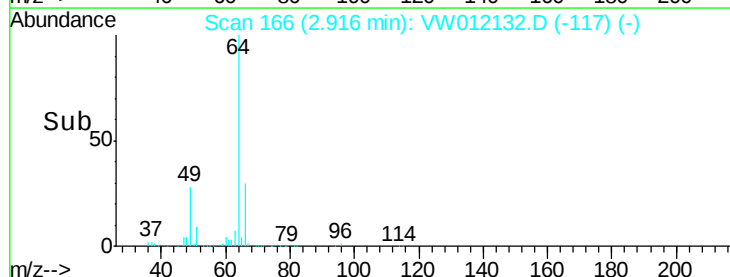
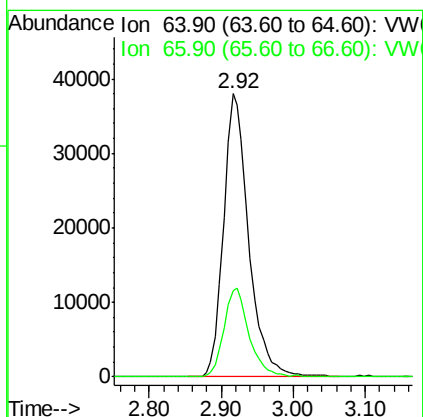
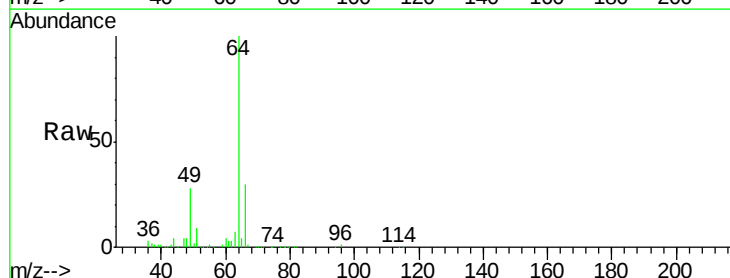
Acq: 23 Aug 2019 14:47

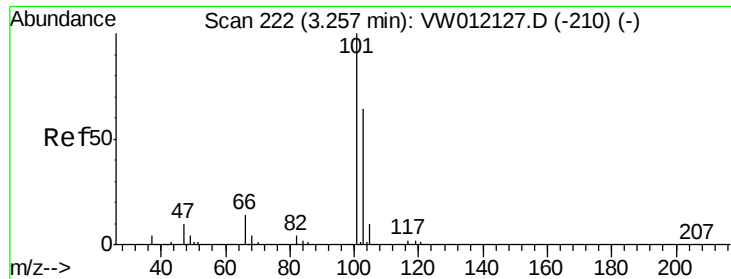
Tgt Ion: 64 Resp: 92200

Ion Ratio Lower Upper

64 100

66 30.4 23.8 35.8





#7

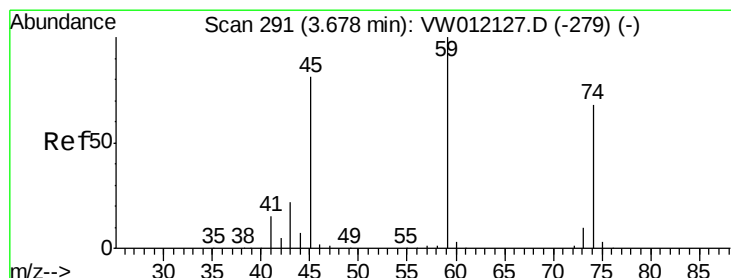
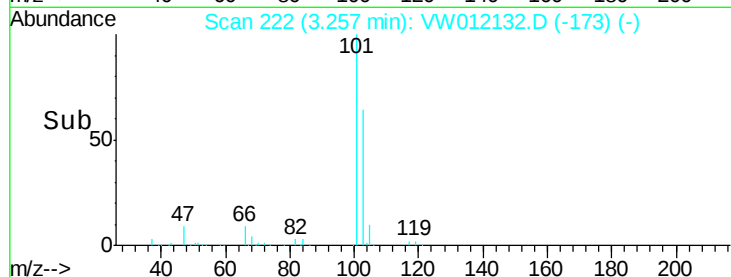
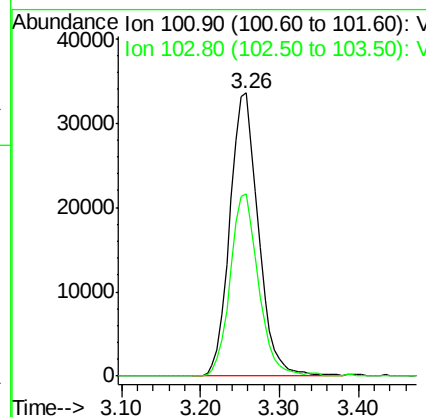
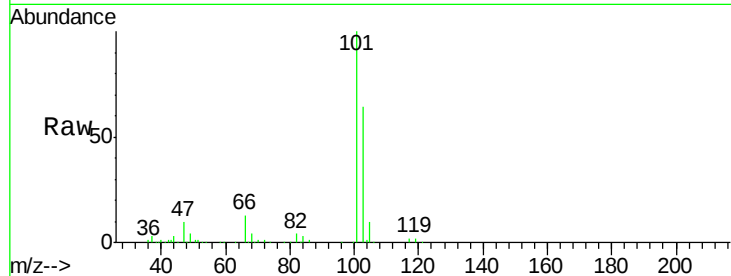
Trichlorofluoromethane
 Concen: 53.322 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.2	76.8

Manual Integrations
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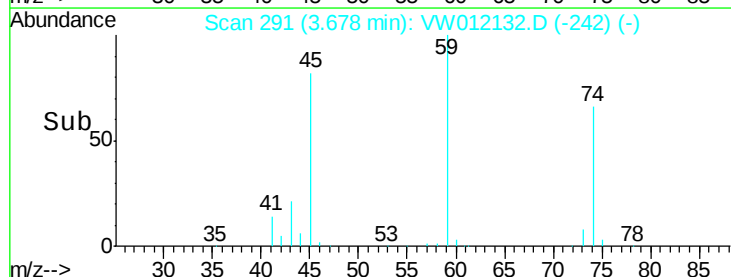
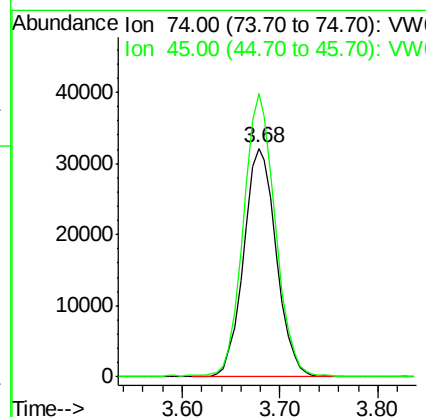
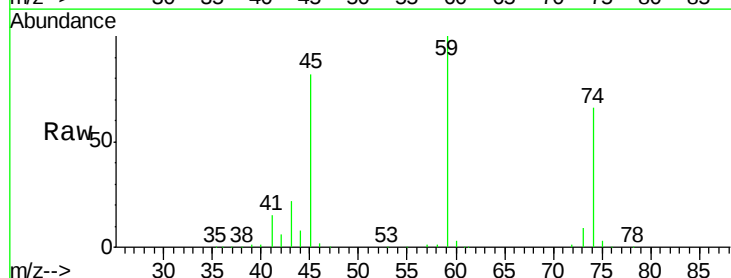
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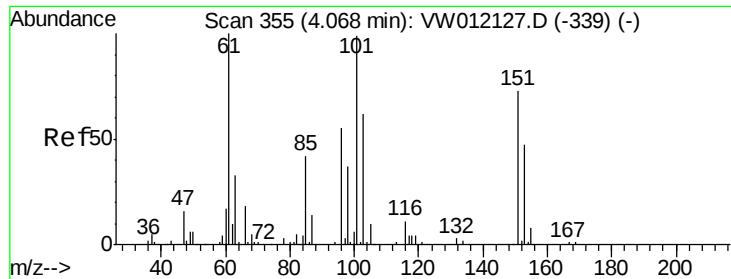


#8

Diethyl Ether
 Concen: 49.064 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.6	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.024 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012132.D

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MSVOA_W

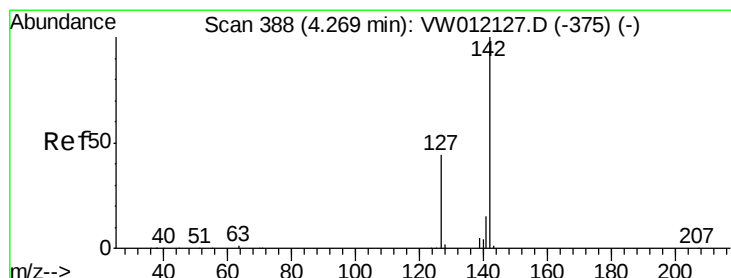
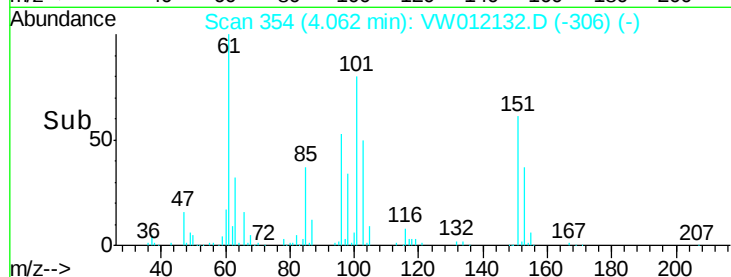
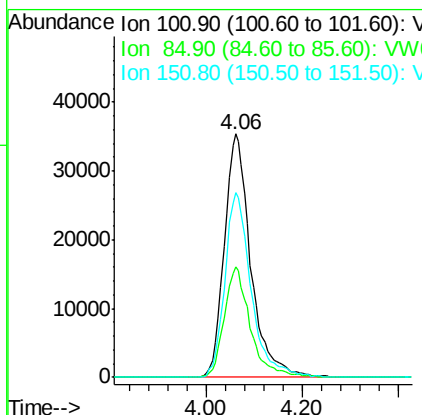
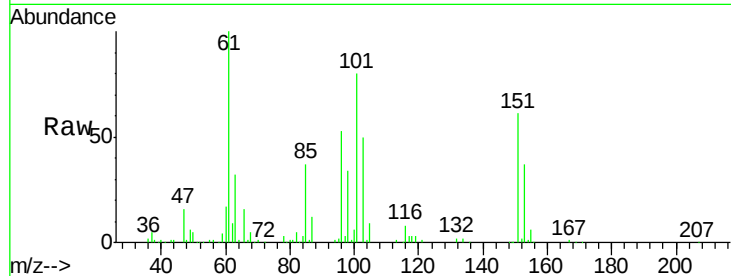
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	135241
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.8	53.6
151	75.2	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 49.885 ug/l

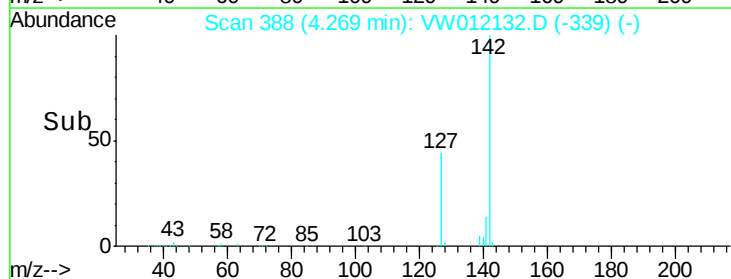
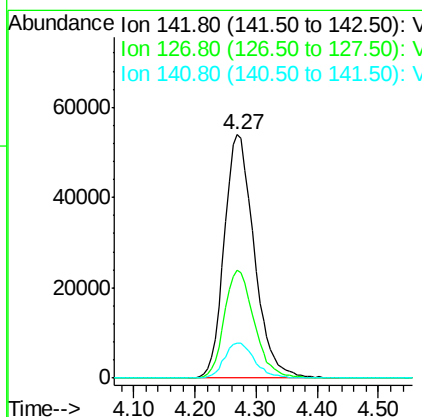
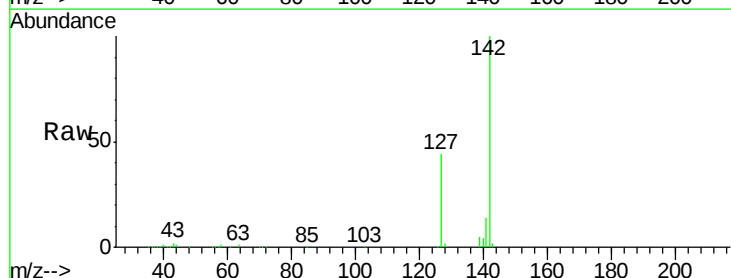
RT: 4.27 min Scan# 388

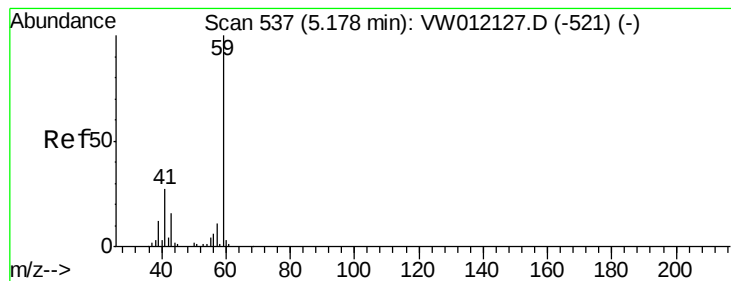
Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion:	142	Resp:	182479
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.5	53.3
141	14.7	11.8	17.8





#11

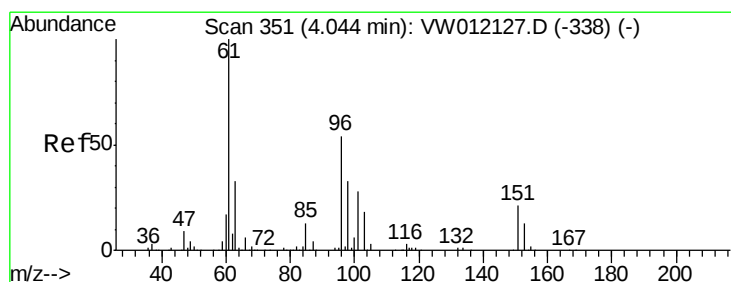
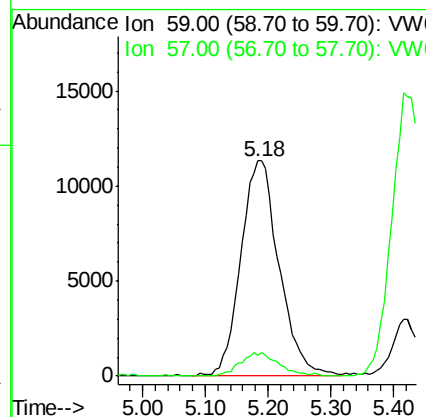
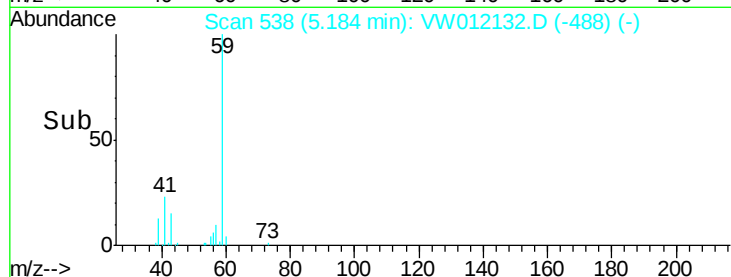
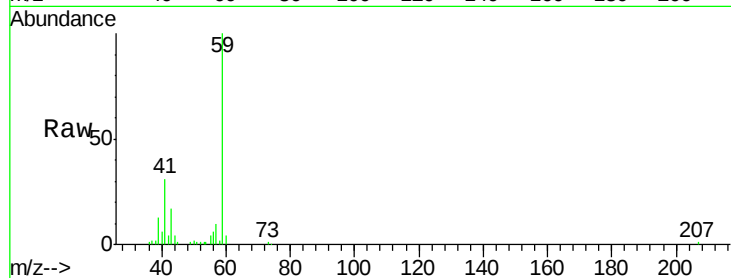
Tert butyl alcohol
 Concen: 246.771 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	59.00	Resp	47892
Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.0	13.4

Manual Integrations
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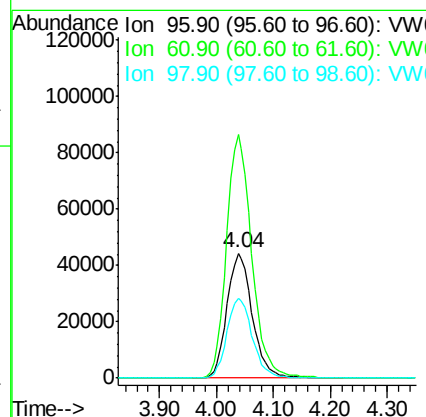
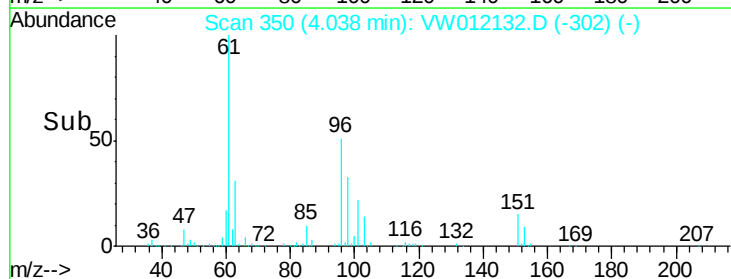
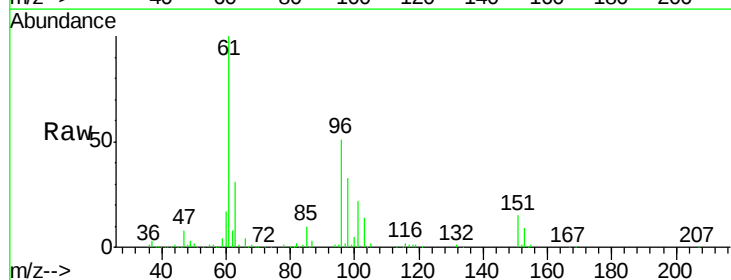
MMDadoda
 8/26/2019 11:39:26 AM

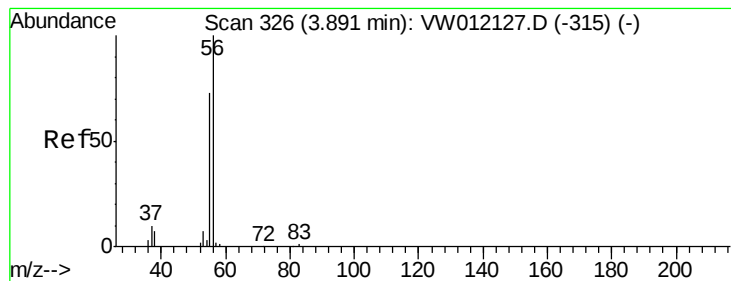


#12

1,1-Dichloroethene
 Concen: 50.579 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion	96	Resp	137632
Ion	Ratio	Lower	Upper
96	100		
61	194.8	149.1	223.7
98	63.4	49.4	74.2





#13

Acrolein

Concen: 230.909 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 42184

Ion Ratio Lower Upper

56 100

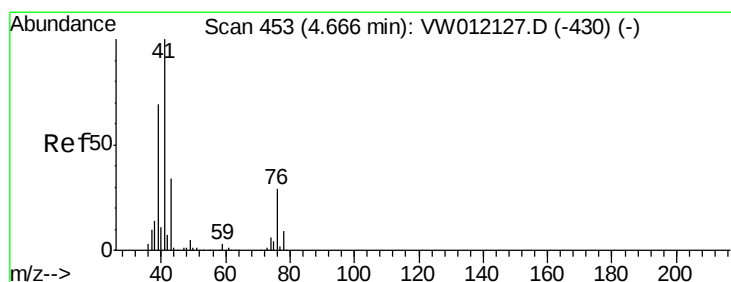
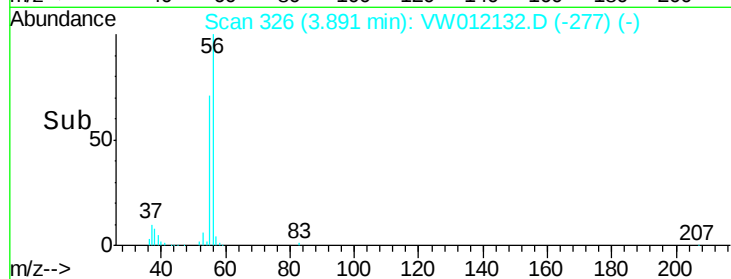
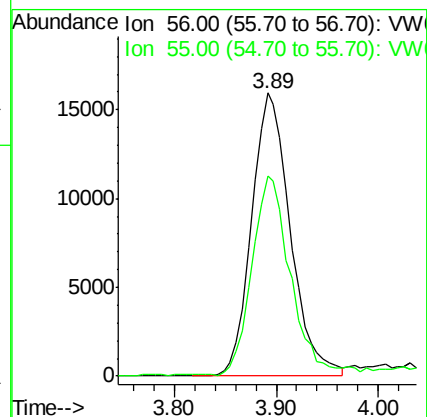
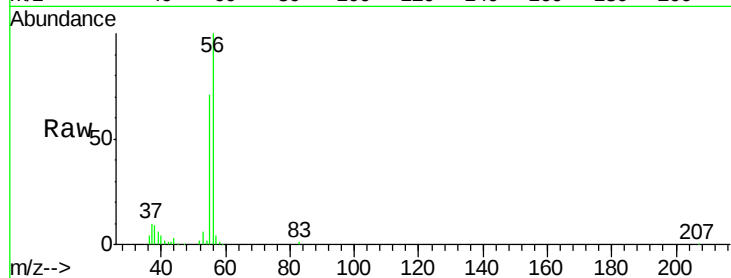
55 71.1 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 51.636 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

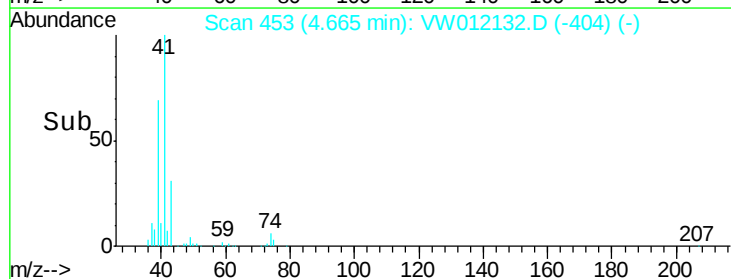
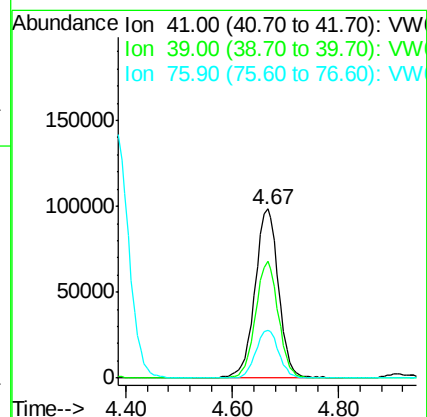
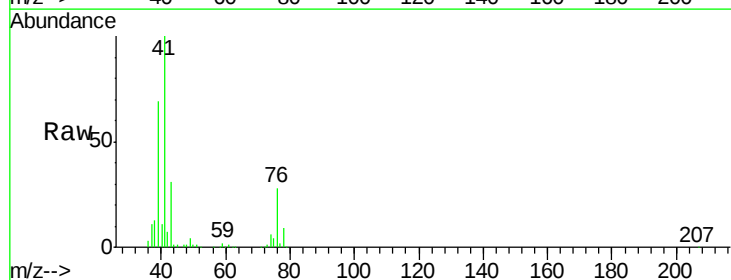
Tgt Ion: 41 Resp: 300383

Ion Ratio Lower Upper

41 100

39 66.6 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 243.584 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

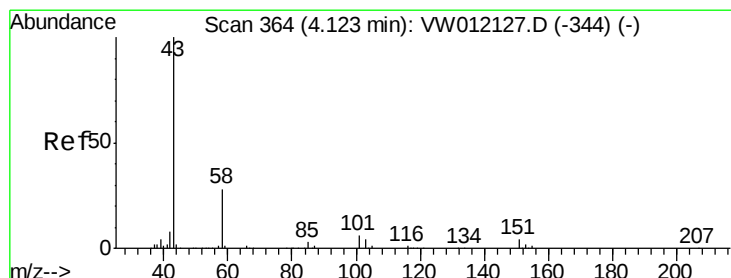
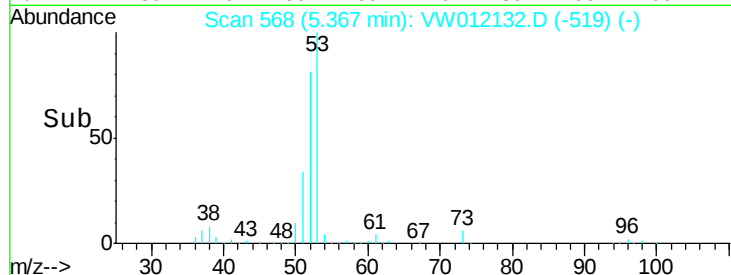
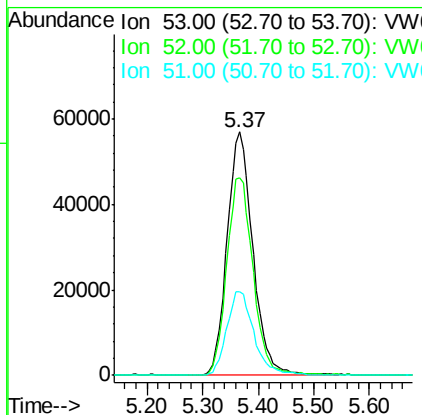
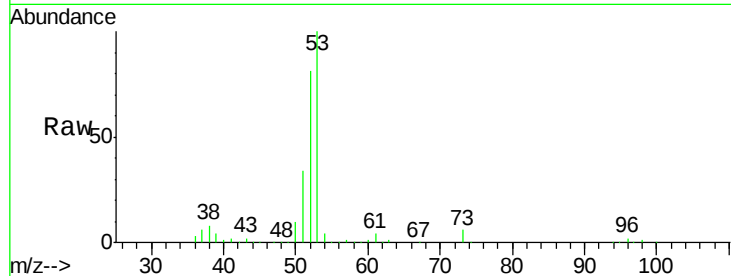
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	182274
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.7	100.1
51	36.5	30.1	45.1

Manual Integrations
APPROVED

MMDadoda
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#16

Acetone

Concen: 260.476 ug/l

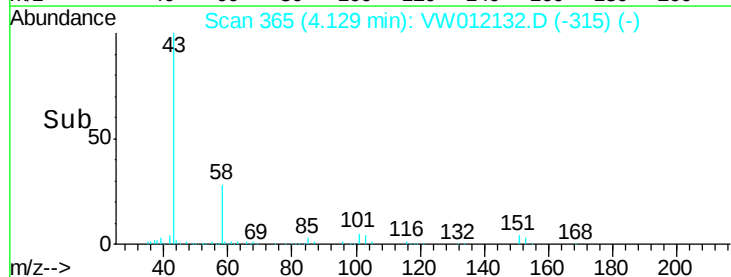
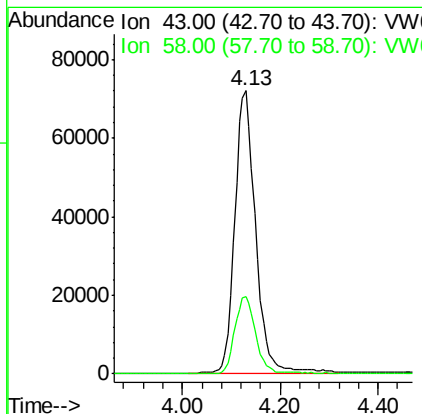
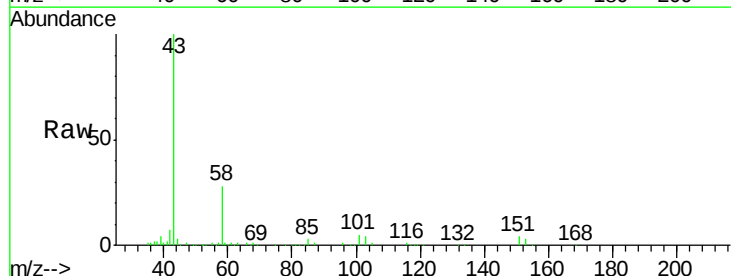
RT: 4.13 min Scan# 365

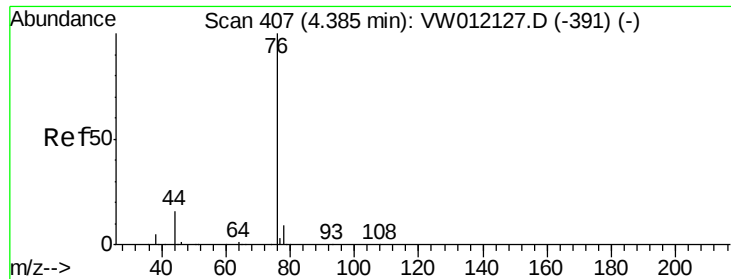
Delta R.T. 0.01 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion:	43	Resp:	214726
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.4	33.6





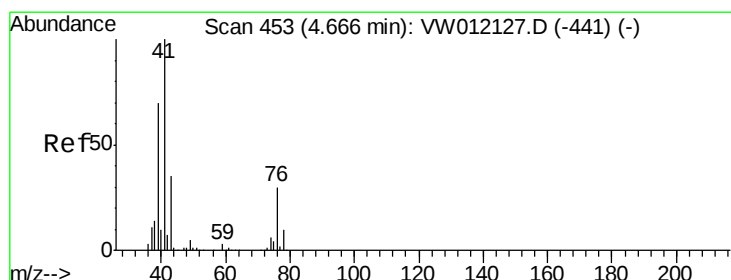
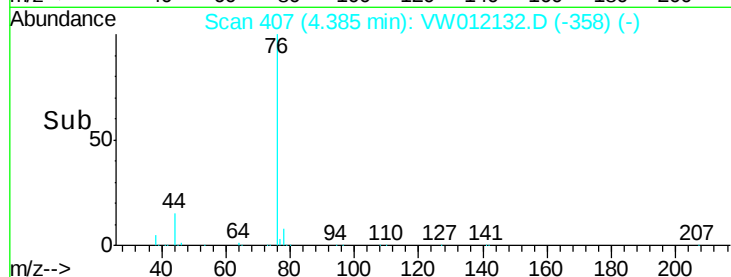
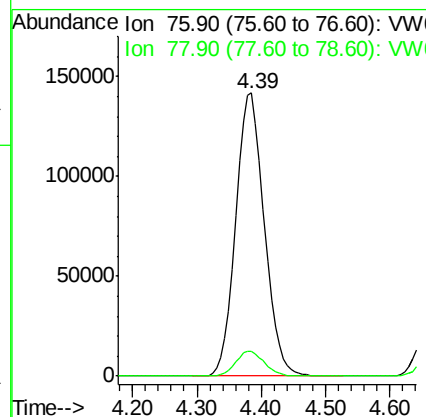
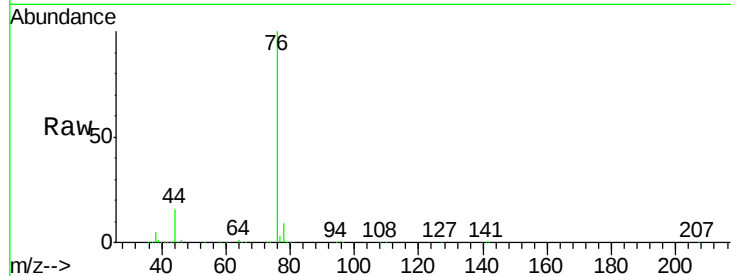
#17
Carbon Disulfide
Concen: 53.238 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

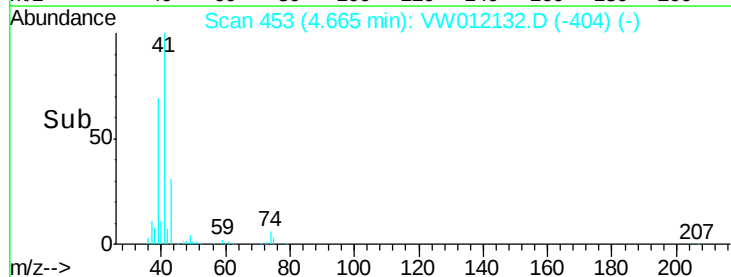
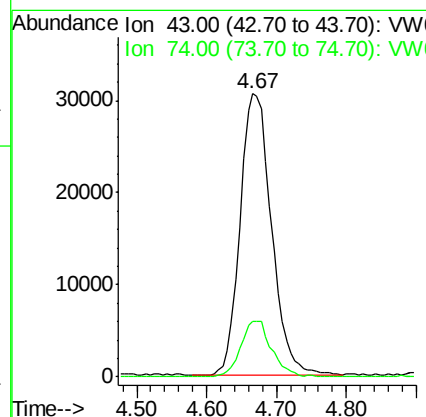
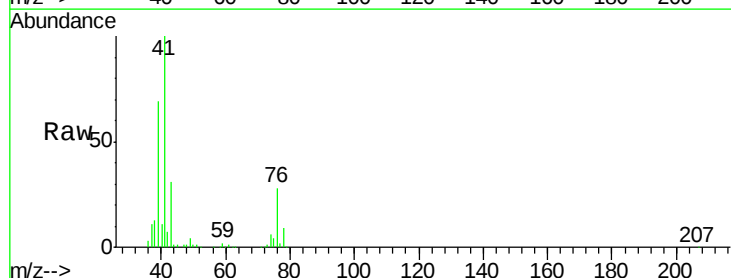
Manual Integrations
APPROVED

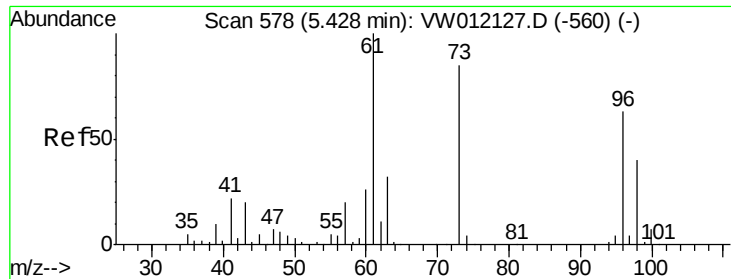
MMDadoda
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#18
Methyl Acetate
Concen: 46.743 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.7	23.5





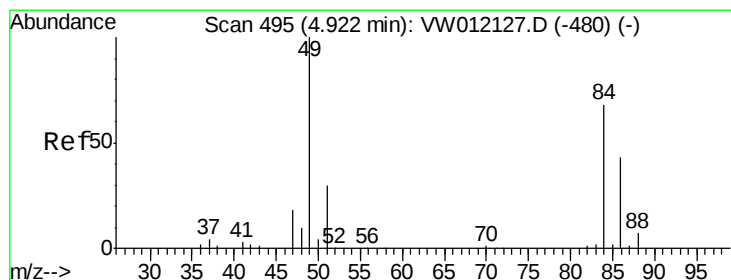
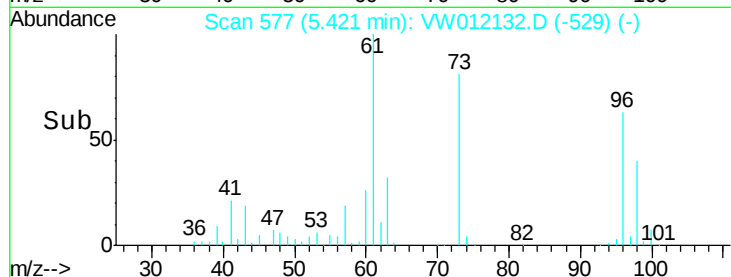
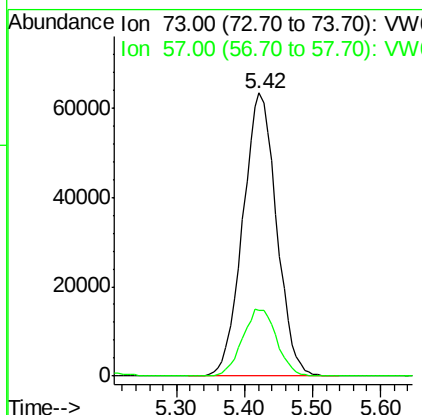
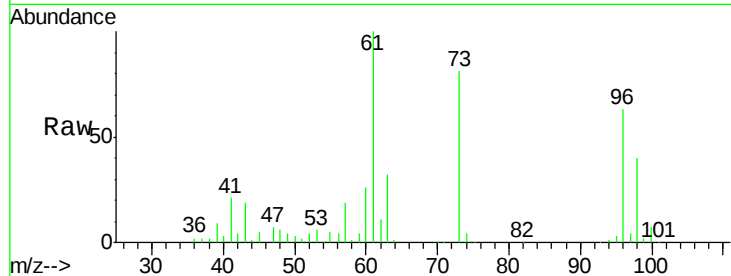
#19
Methvl tert-butvl Ether
Concen: 49.651 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 218490
Ion Ratio Lower Upper
73 100
57 23.2 18.9 28.3

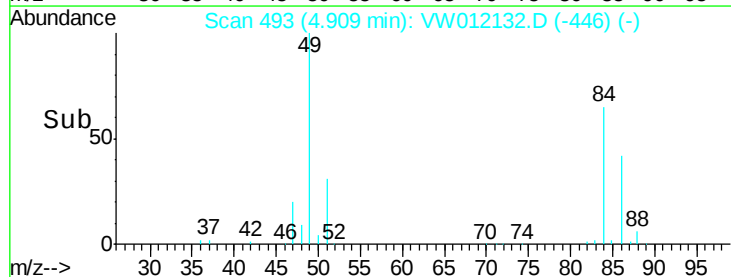
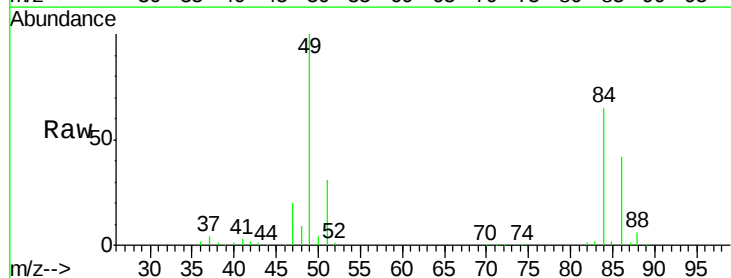
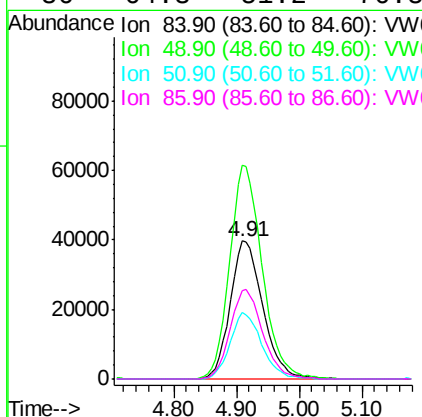
Manual Integrations
APPROVED

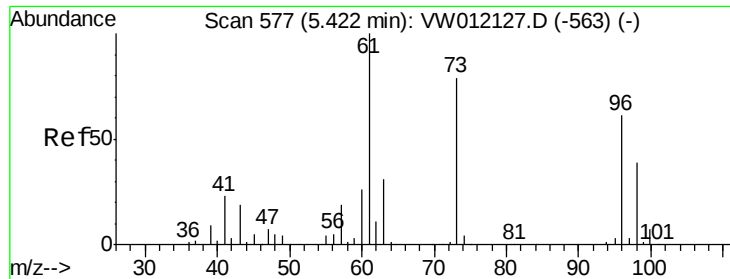
MMDadoda
8/26/2019 11:39:26 AM



#20
Methylene Chloride
Concen: 45.978 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 84 Resp: 143286
Ion Ratio Lower Upper
84 100
49 154.8 117.8 176.8
51 48.4 35.6 53.4
86 64.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.164 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 146379

Ion Ratio Lower Upper

96 100

61 158.3 131.4 197.0

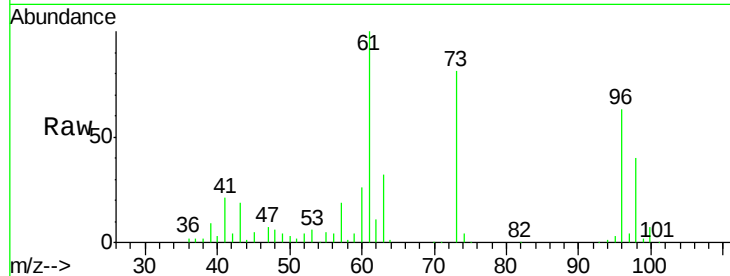
98 63.6 51.4 77.0

Manual Integrations

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MMDadoda

8/26/2019 11:39:26 AM

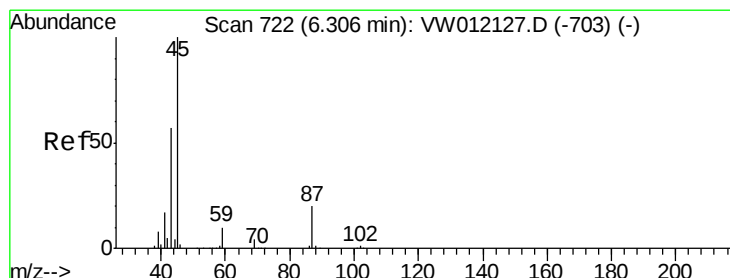
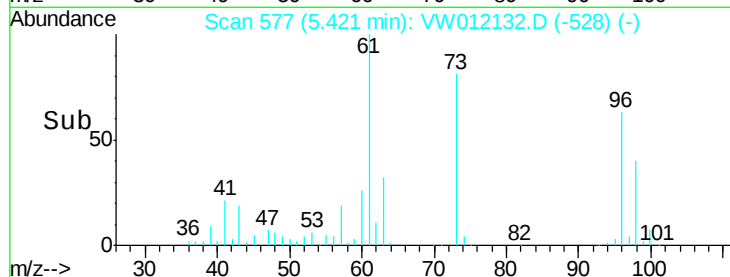
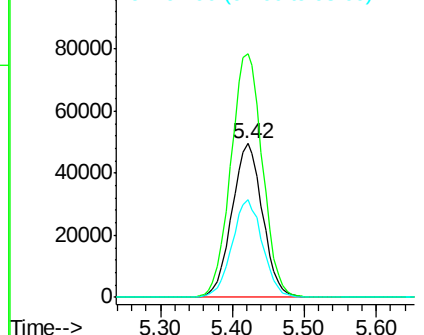


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 49.705 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion: 45 Resp: 535969

Ion Ratio Lower Upper

45 100

43 55.1 45.5 68.3

87 20.4 16.1 24.1

59 10.0 8.2 12.2

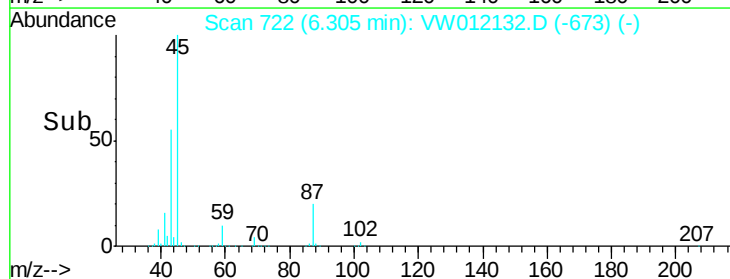
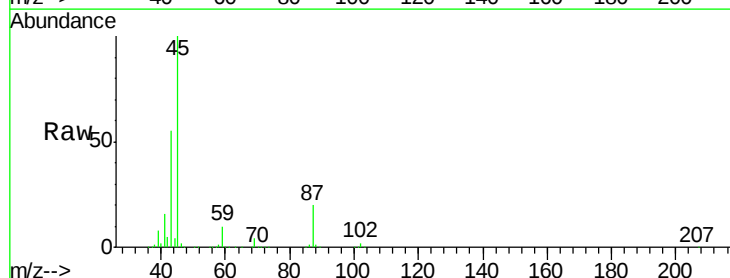
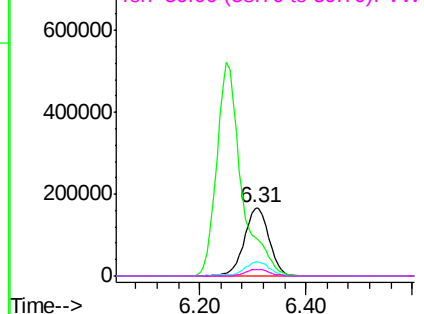
Abundance

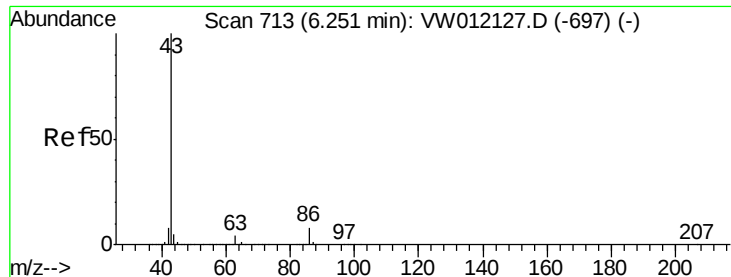
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 255.040 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1692458

Ion Ratio Lower Upper

43 100

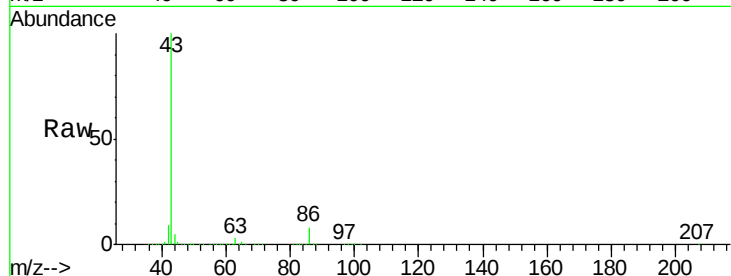
86 8.1 6.5 9.7

Manual Integrations

APPROVED

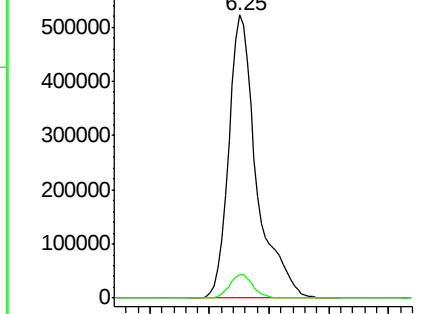
MMDadoda

8/26/2019 11:39:26 AM

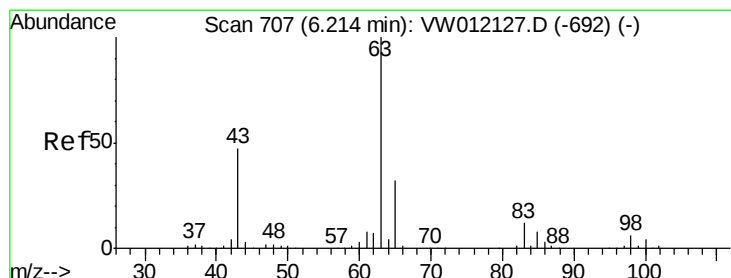
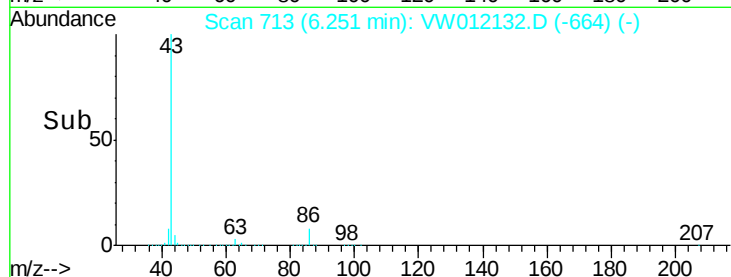


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 48.823 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

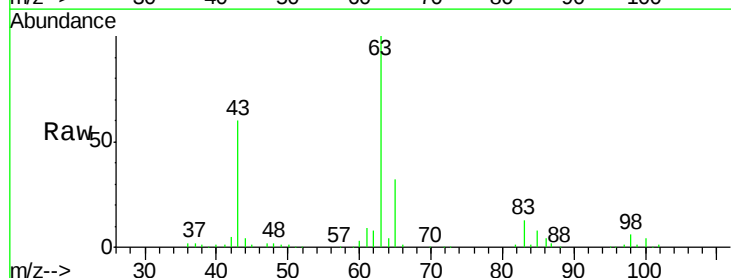
Tgt Ion: 63 Resp: 286648

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

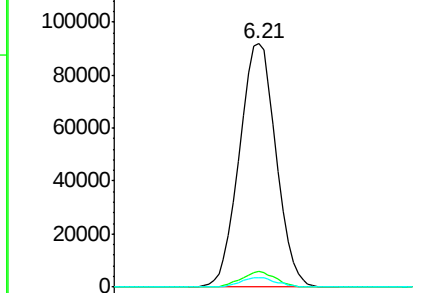
100 4.0 2.0 6.0



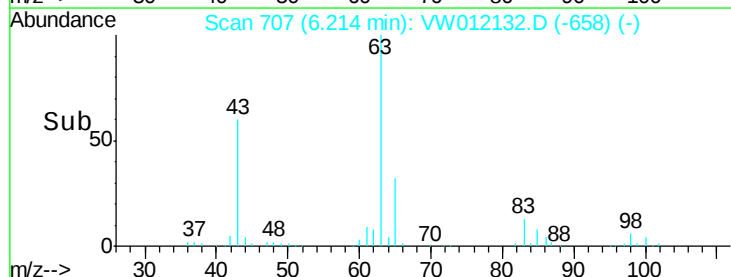
Abundance Ion 62.90 (62.60 to 63.60): VW

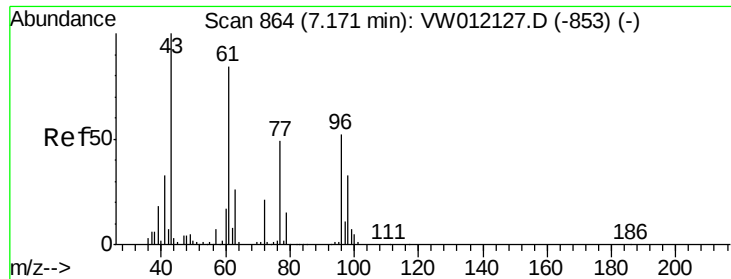
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 245.793 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 275340

Ion Ratio Lower Upper

43 100

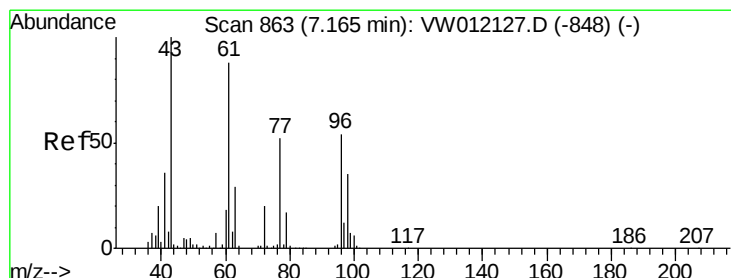
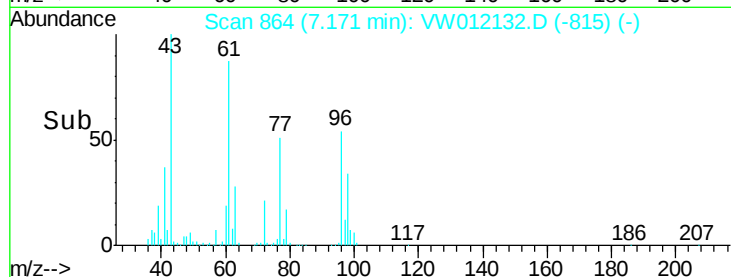
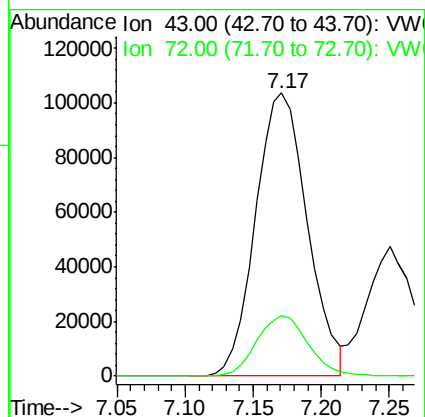
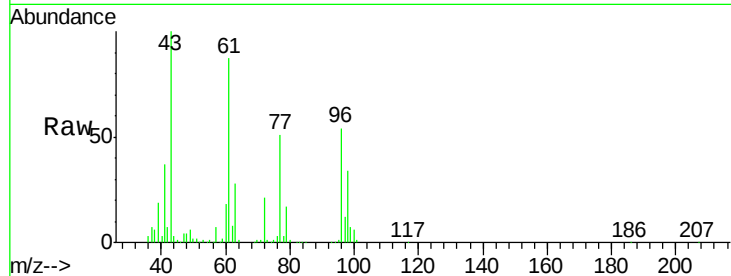
72 21.5 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.620 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012132.D

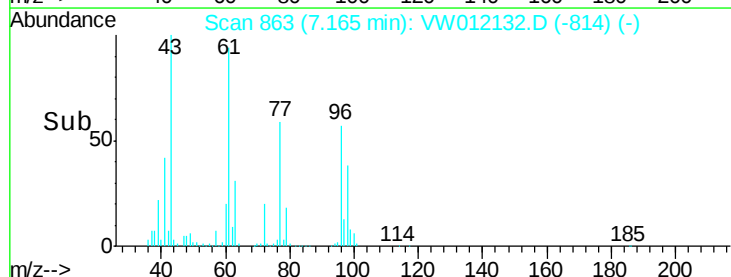
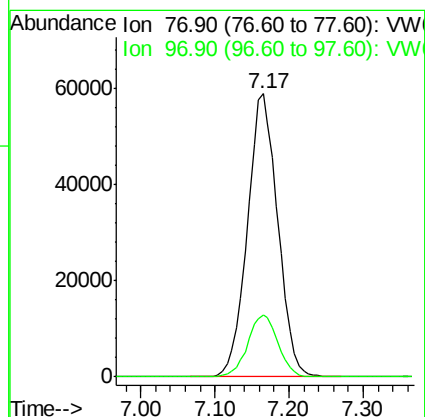
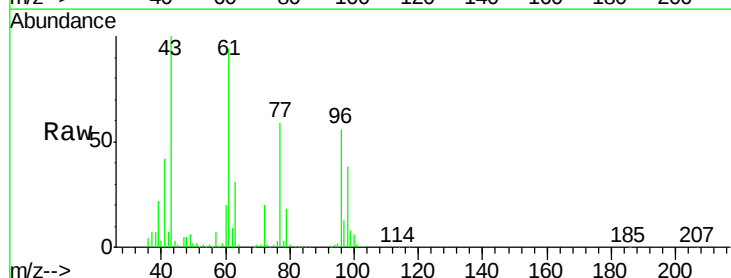
Acq: 23 Aug 2019 14:47

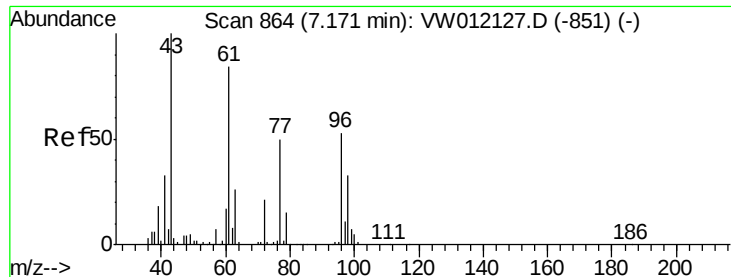
Tgt Ion: 77 Resp: 168218

Ion Ratio Lower Upper

77 100

97 21.8 11.1 33.1





#27

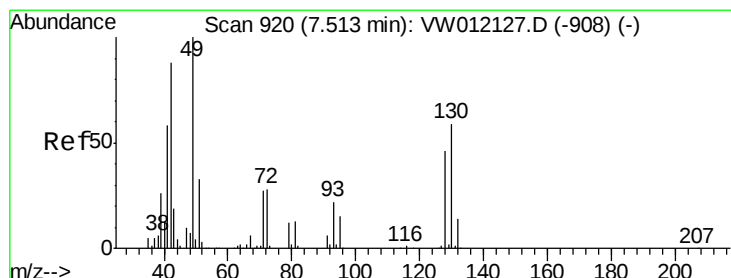
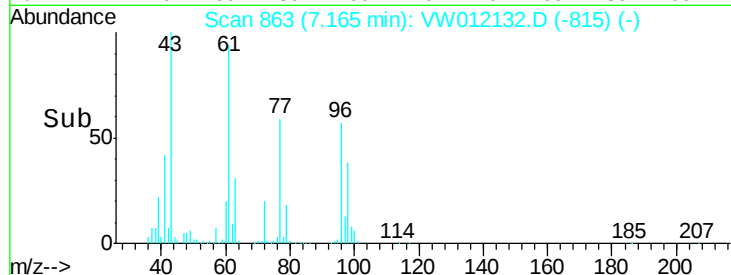
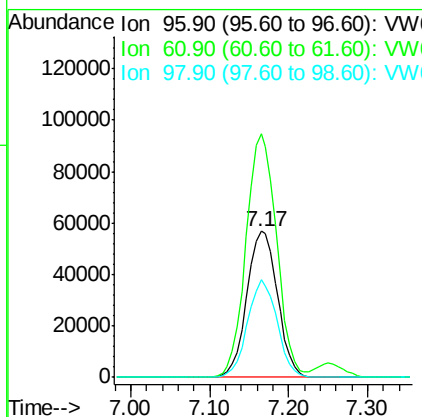
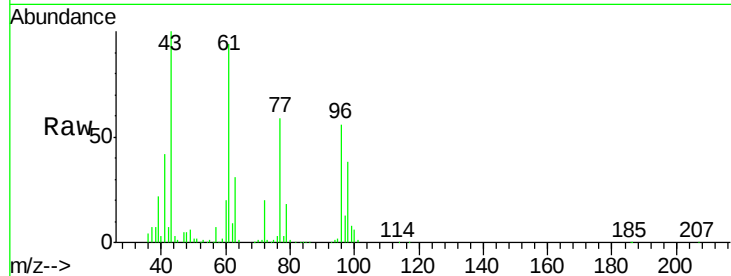
cis-1,2-Dichloroethene
Concen: 49.274 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	153617		
61	165.6	0.0	326.6	
98	64.3	0.0	127.4	

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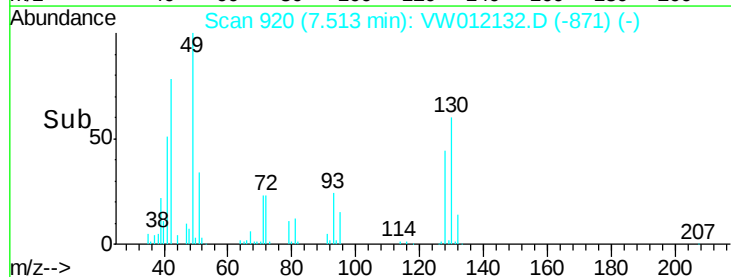
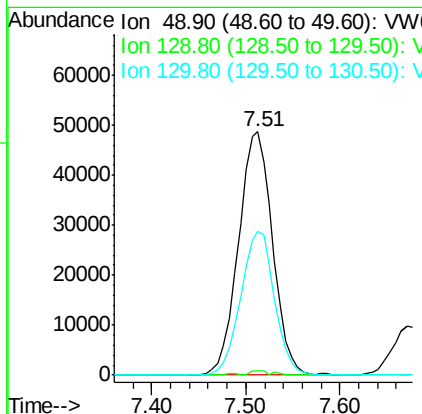
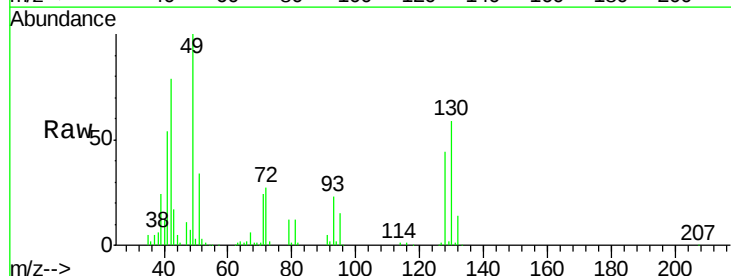
MMDadoda
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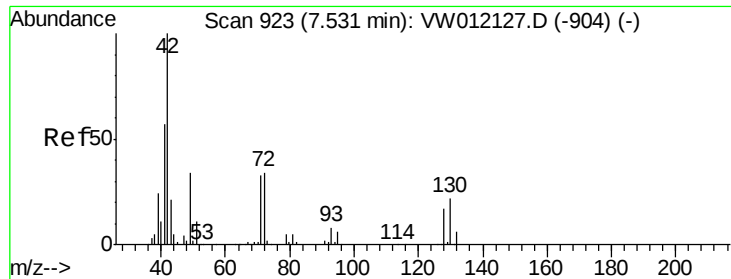


#28

Bromochloromethane
Concen: 48.108 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	123106		
129	1.1	0.0	1.4	
130	58.6	45.5	68.3	





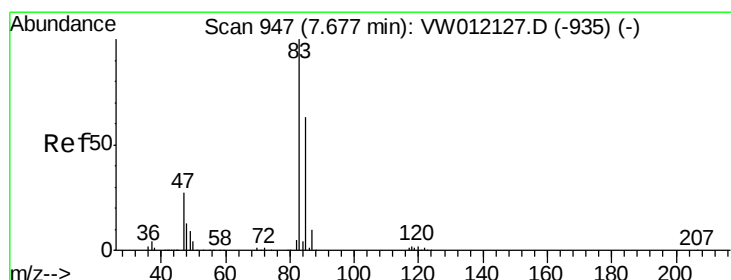
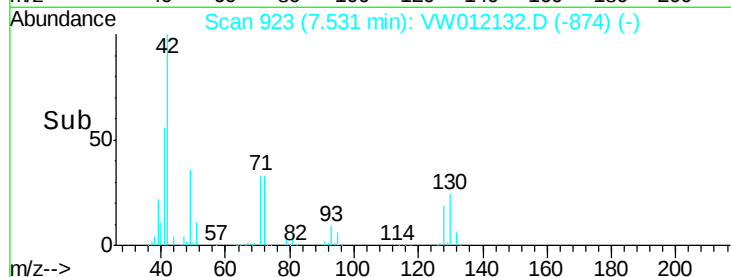
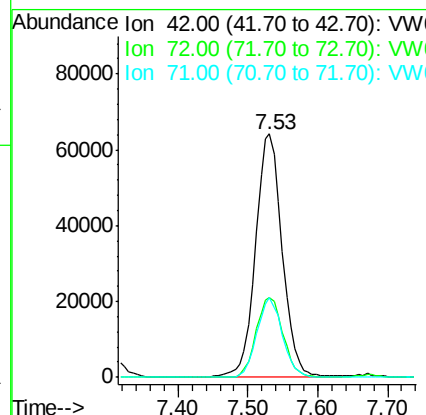
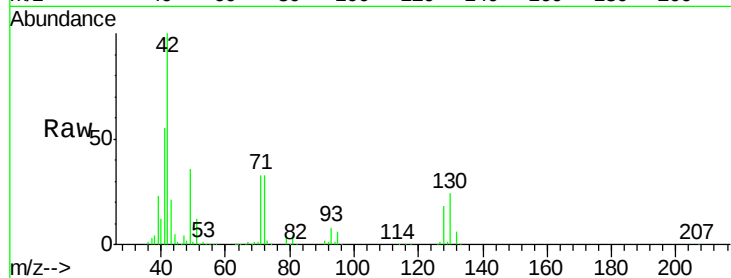
#29
Tetrahydrofuran
Concen: 252.538 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.1	27.3	40.9
71	31.3	25.5	38.3

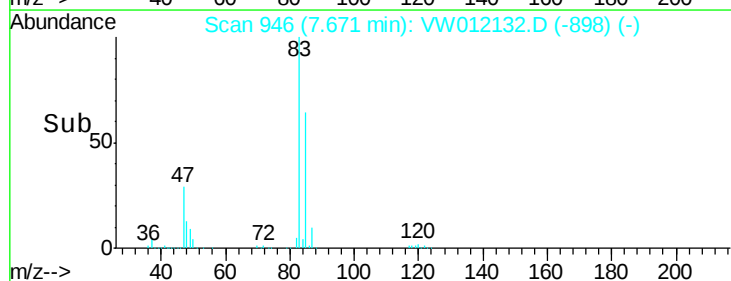
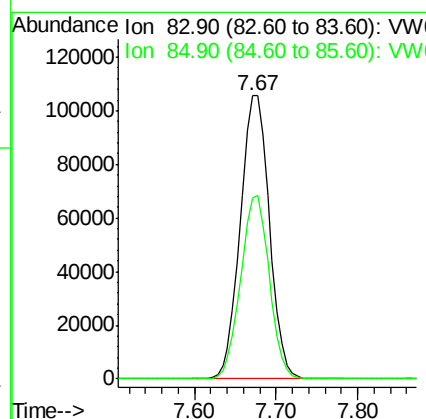
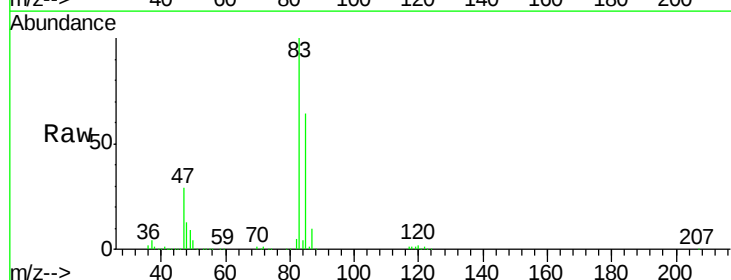
Manual Integrations
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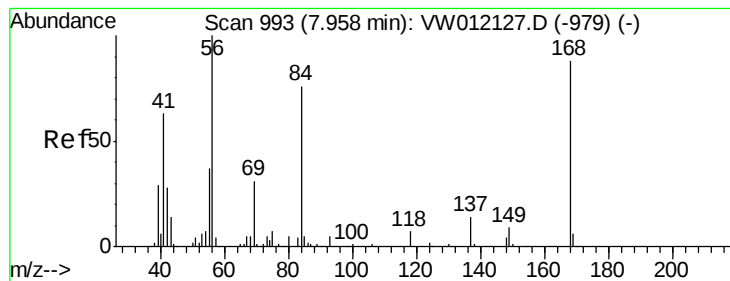
MMDadoda
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#30
Chloroform
Concen: 48.409 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	76.0





#31

Cyclohexane

Concen: 48.787 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

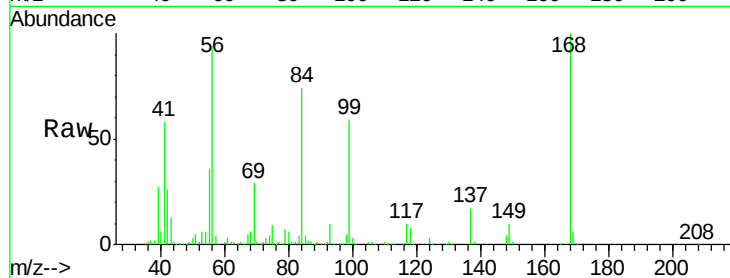
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	283390
Ion Ratio		Lower	Upper
56	100		
69	31.0	24.9	37.3
84	77.5	60.6	90.8

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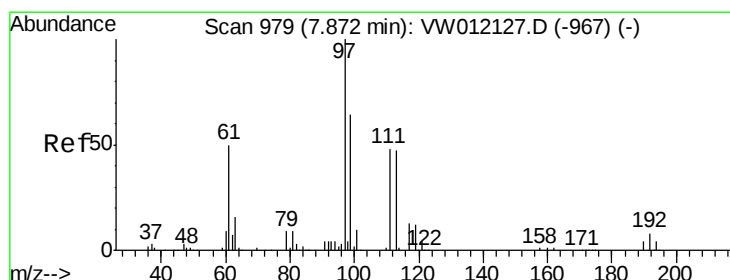
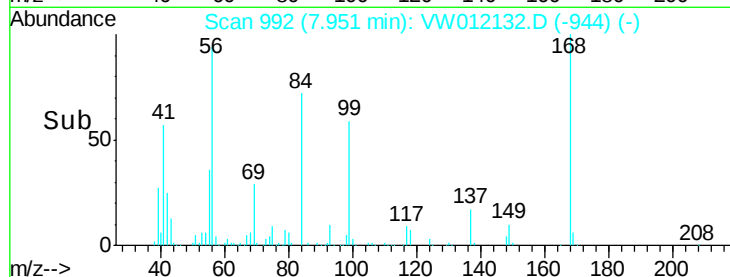
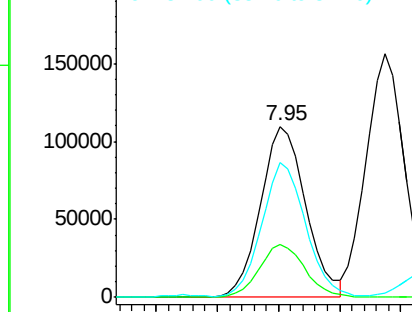


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 49.991 ug/l

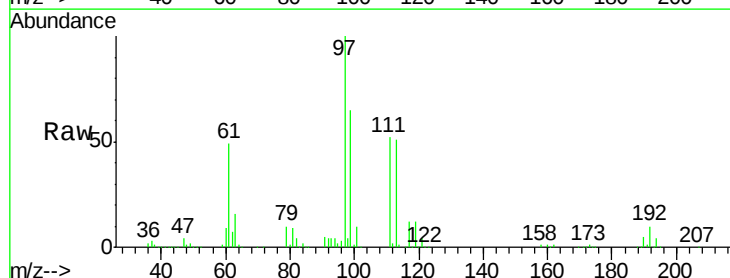
RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion:	97	Resp:	212428
Ion Ratio		Lower	Upper
97	100		
99	64.2	51.4	77.0
61	49.3	39.5	59.3

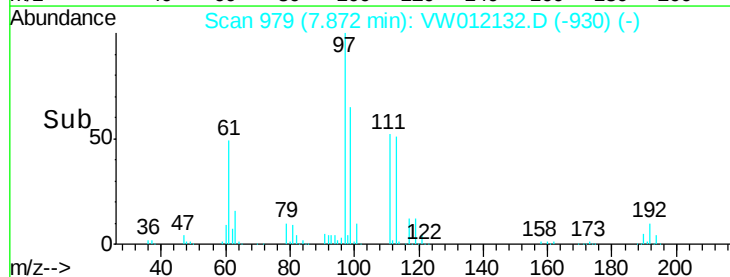
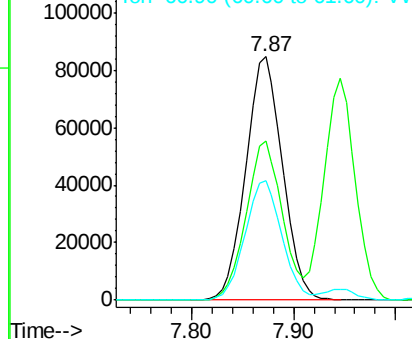


Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 49.015 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 158069

Ion Ratio Lower Upper

65 100

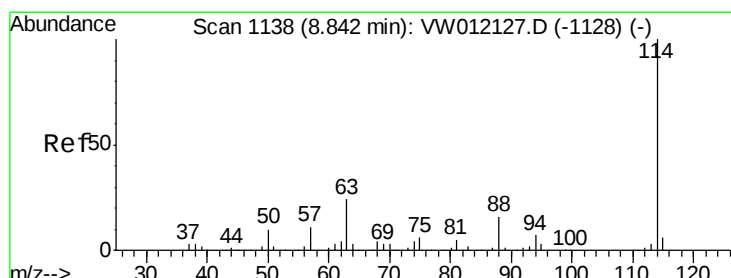
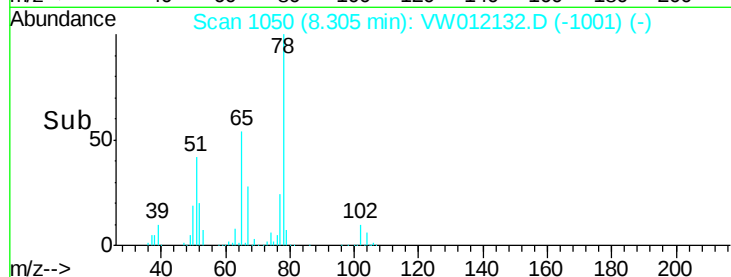
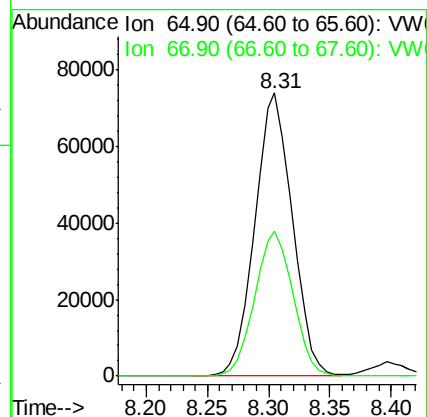
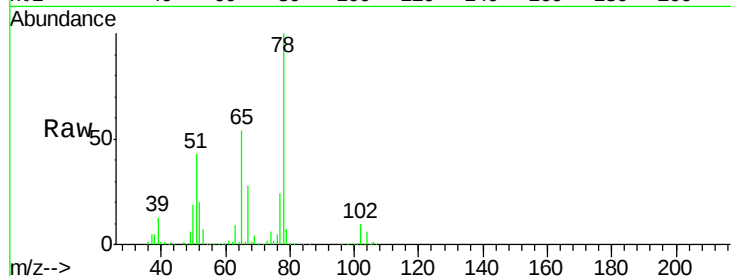
67 52.0 0.0 102.6

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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: VW012132.D

Acq: 23 Aug 2019 14:47

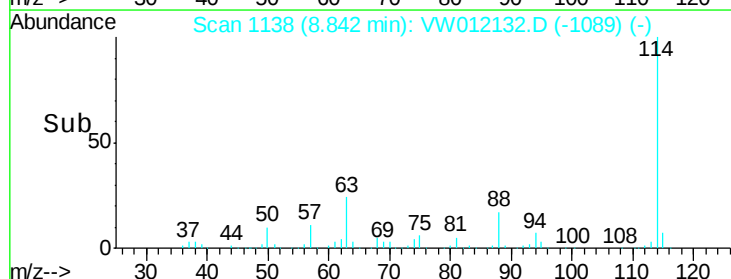
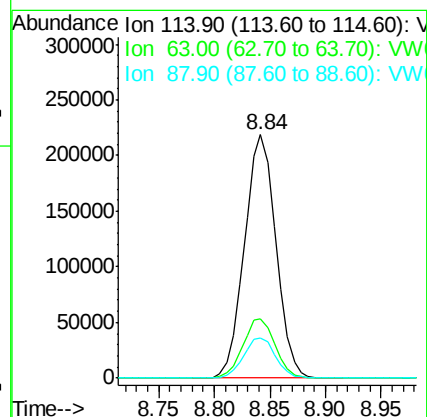
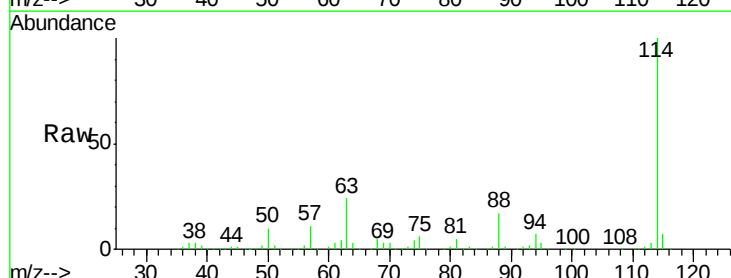
Tgt Ion: 114 Resp: 429048

Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.107 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

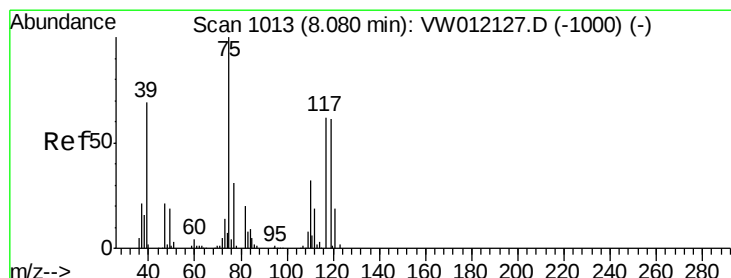
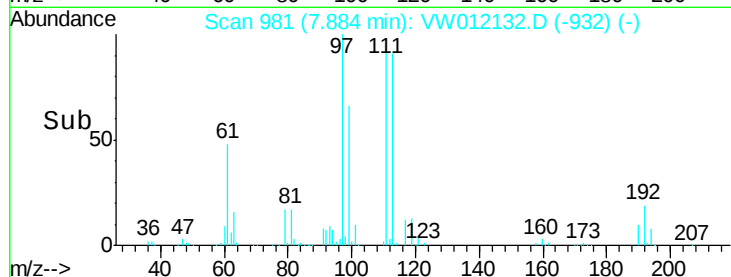
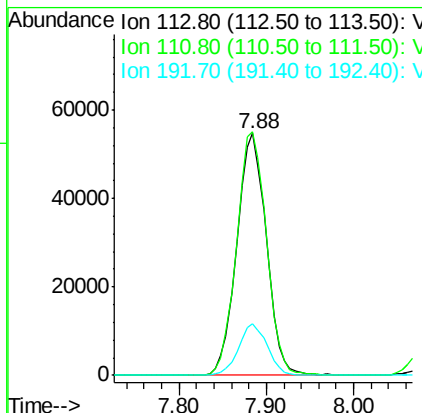
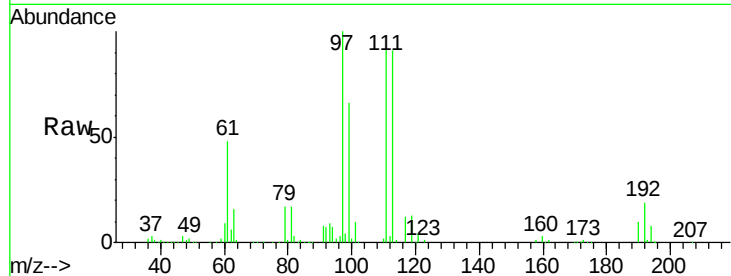
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	128323
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.7	124.1
192	20.6	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 51.372 ug/l

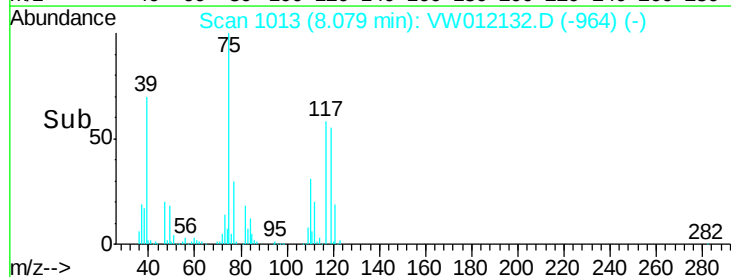
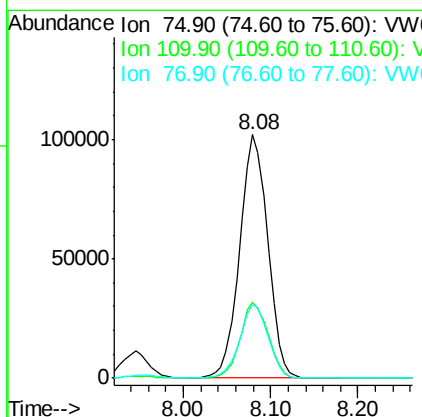
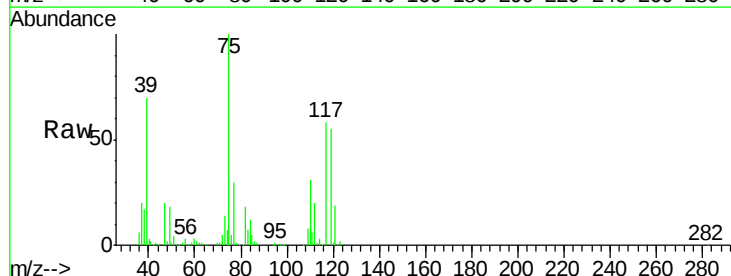
RT: 8.08 min Scan# 1013

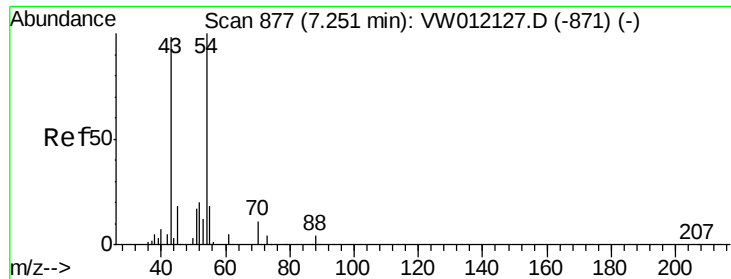
Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion:	75	Resp:	227770
Ion Ratio	Lower	Upper	
75	100		
110	31.0	15.6	46.8
77	30.3	24.6	36.8





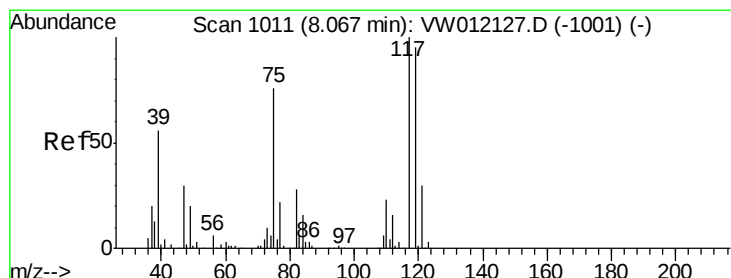
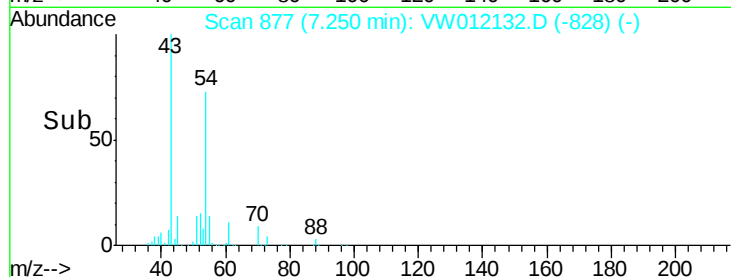
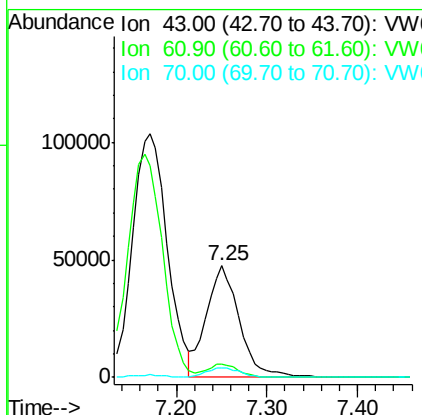
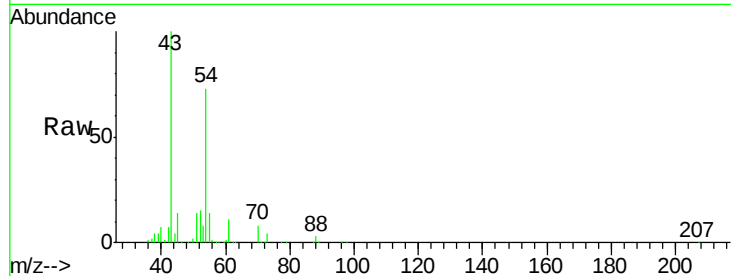
#37
Ethyl Acetate
Concen: 49.256 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.7	9.2	13.8	
70	9.0	6.9	10.3	

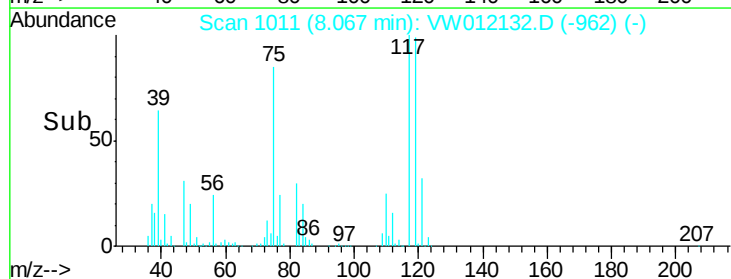
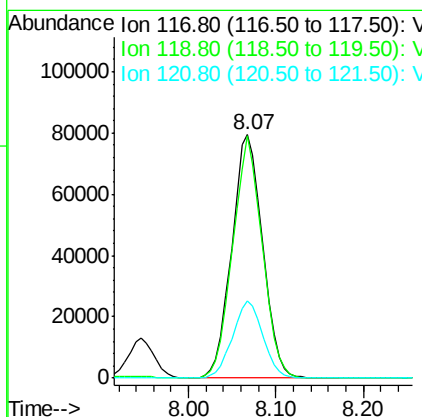
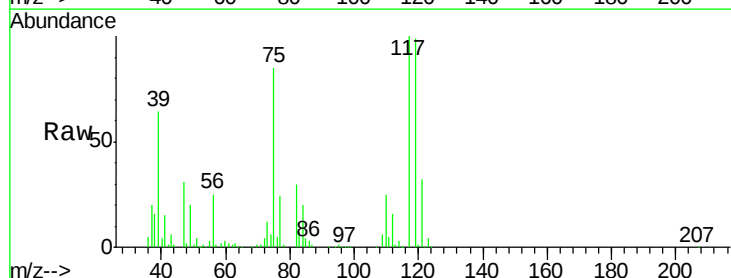
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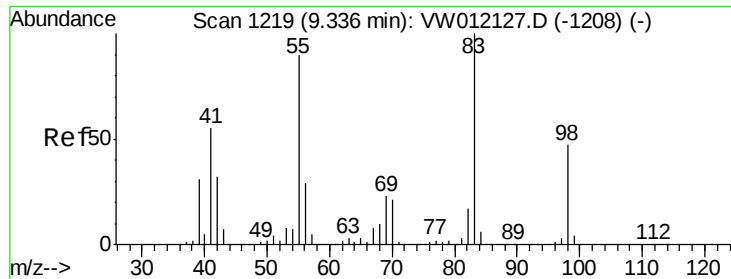
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#38
Carbon Tetrachloride
Concen: 50.709 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	99.4	76.2	114.2	
121	31.9	23.8	35.8	





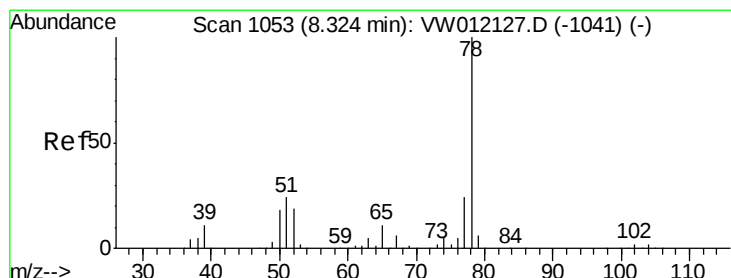
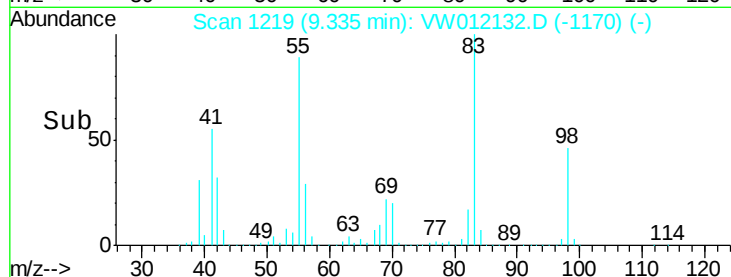
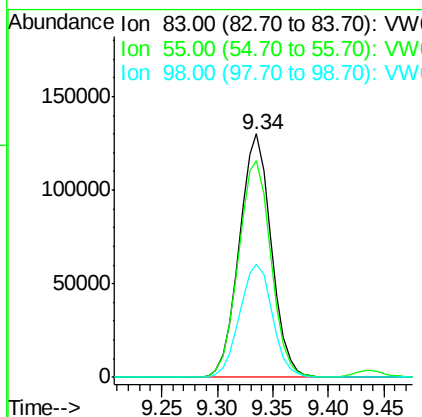
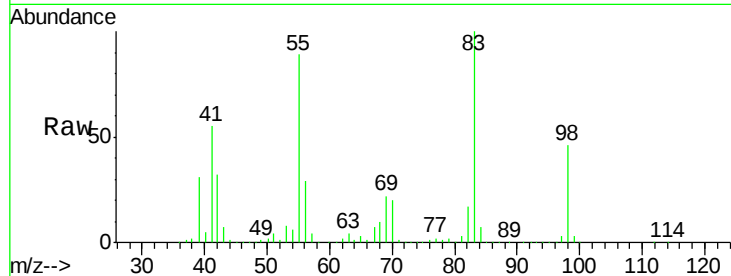
#39
Methvlcvclohexane
Concen: 52.092 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	71.8	107.8
98	46.2	37.8	56.8

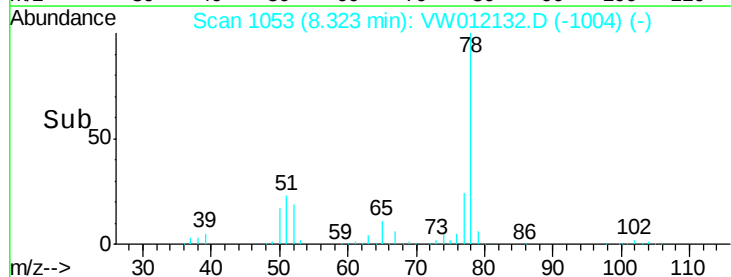
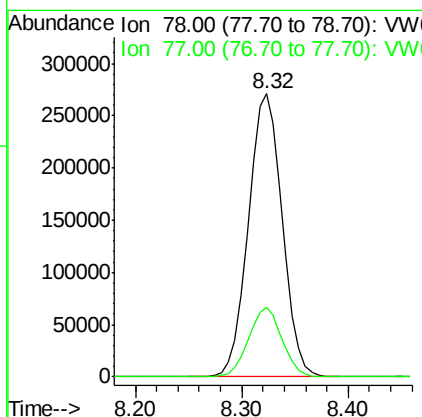
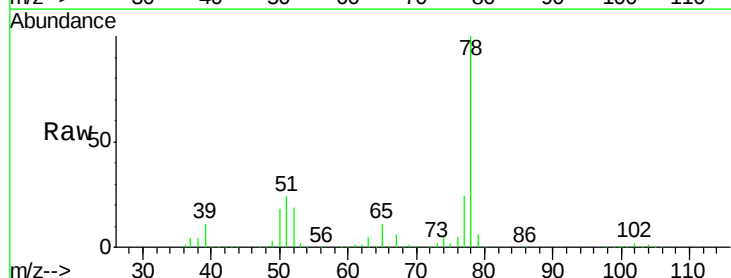
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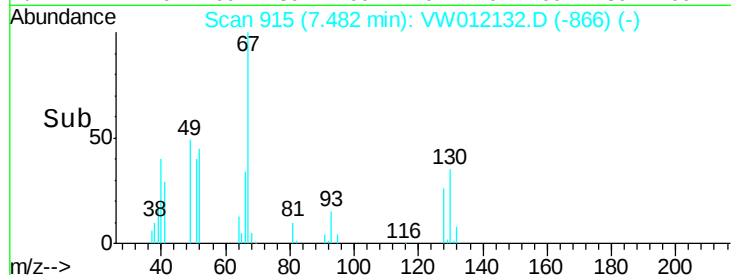
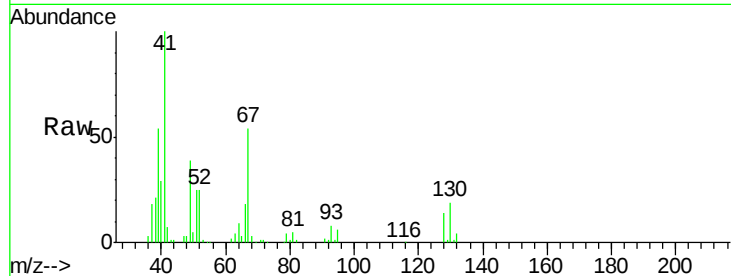
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#40
Benzene
Concen: 49.922 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.5	29.3





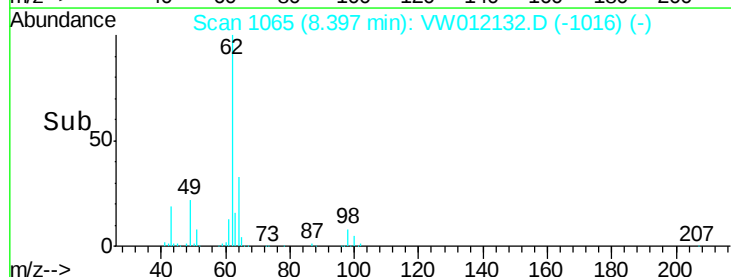
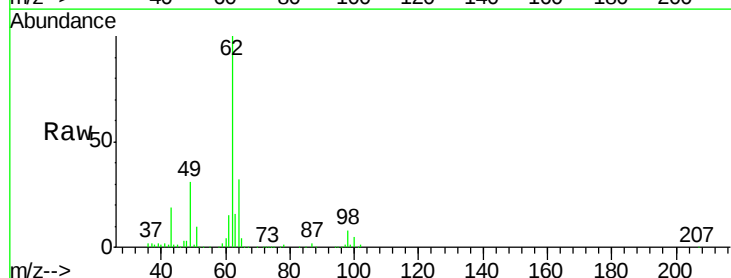
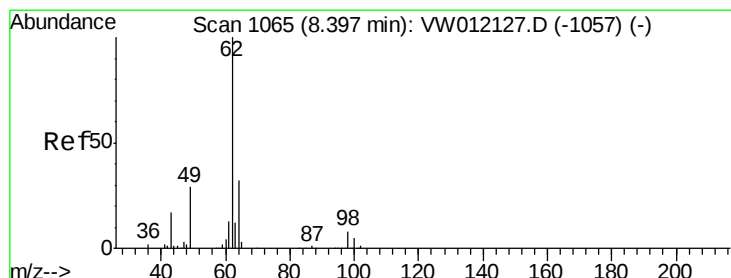
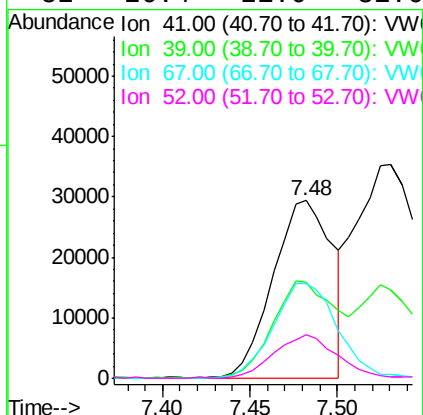
#41
Methacrylonitrile
Concen: 48.739 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tot Ion	41	Resp	69597
Ion	Ratio	Lower	Upper
41	100		
39	59.0	45.8	68.8
67	58.5	46.2	69.4
52	26.4	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

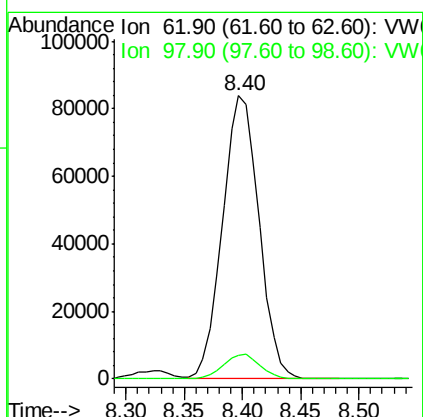
Manual Integrations
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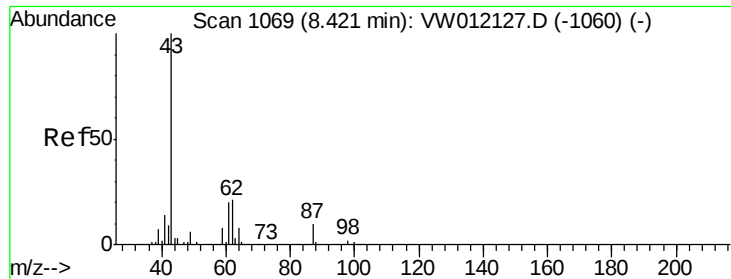
MMDadoda
8/26/2019 11:39:26 AM



#42
1,2-Dichloroethane
Concen: 47.986 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	62	Resp	182075
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 49.296 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

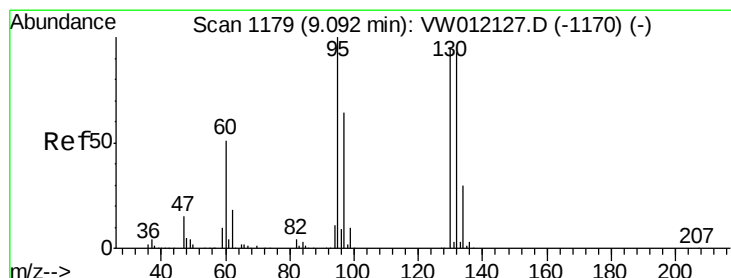
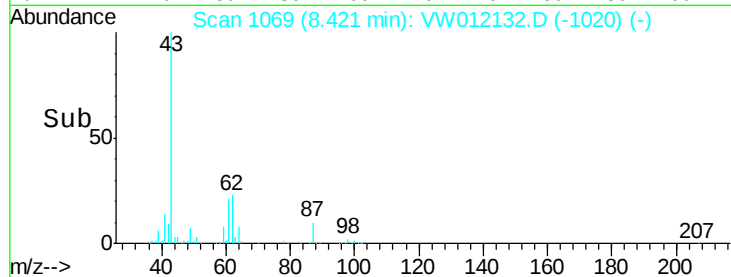
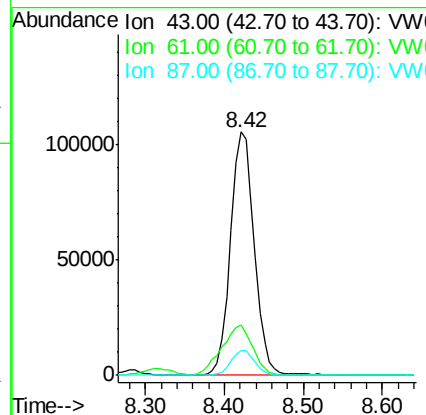
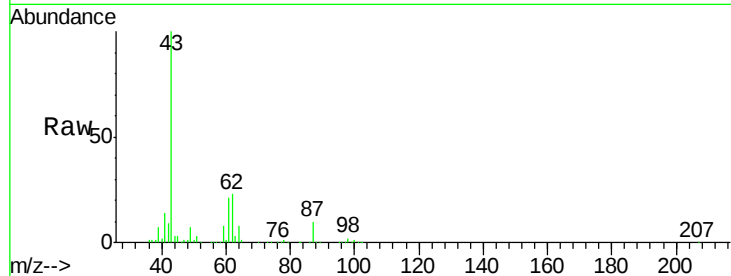
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	221850
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.1	31.7
87	10.3	8.2	12.2

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#44

Trichloroethene

Concen: 50.046 ug/l

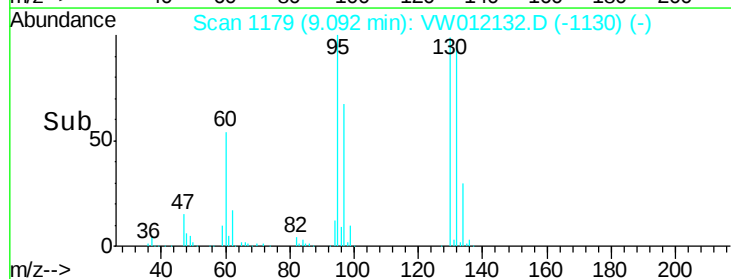
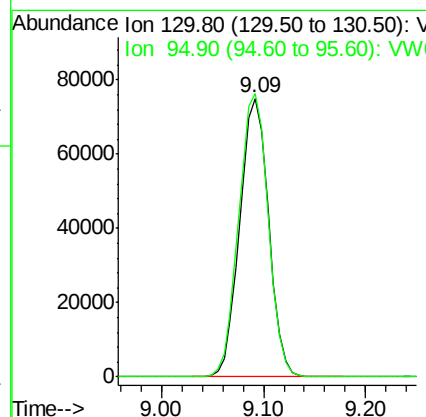
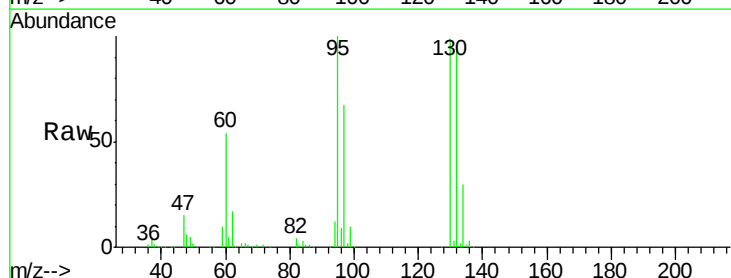
RT: 9.09 min Scan# 1179

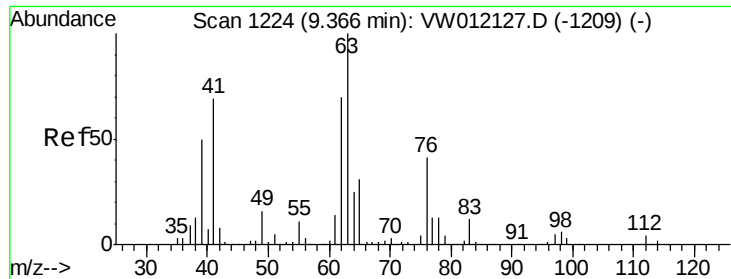
Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion:	130	Resp:	147288
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	210.6





#45

1,2-Dichloropropane

Concen: 48.661 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 158551

Ion Ratio Lower Upper

63 100

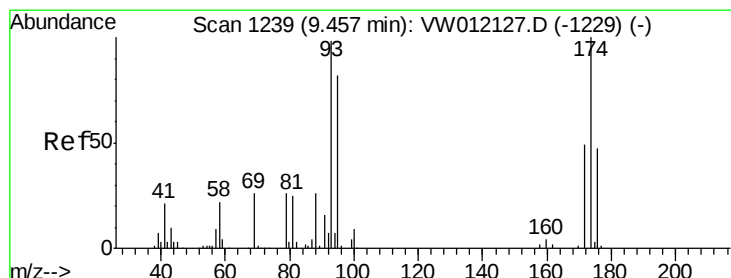
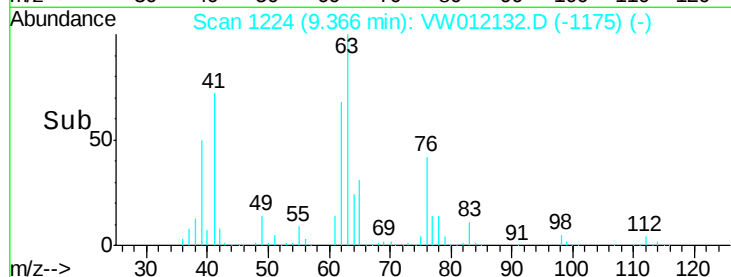
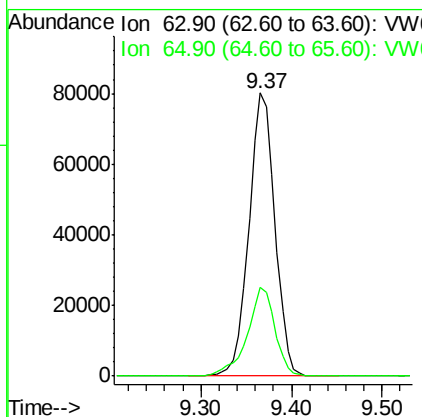
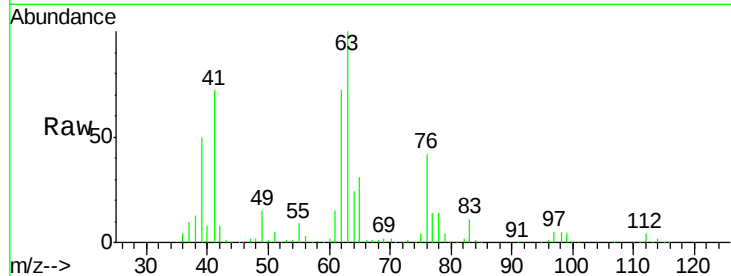
65 31.4 25.0 37.4

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#46

Dibromomethane

Concen: 49.488 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

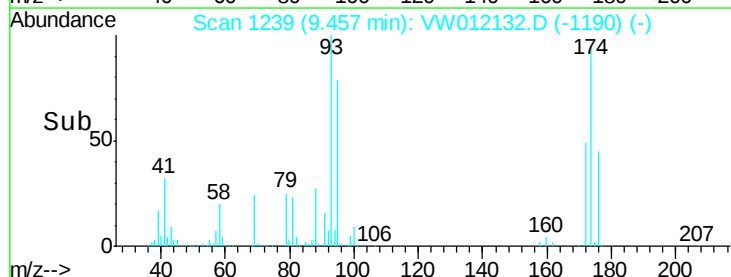
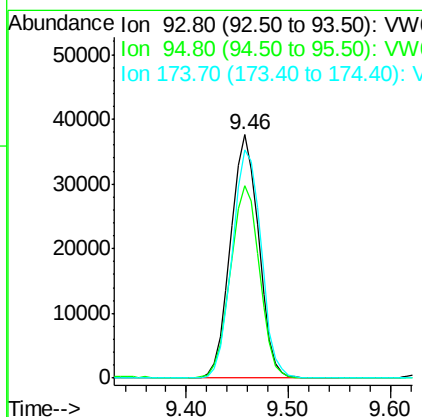
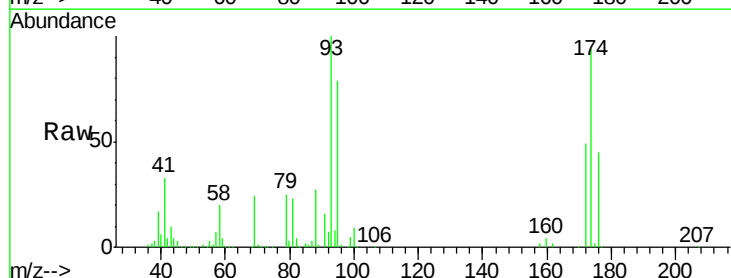
Tgt Ion: 93 Resp: 71742

Ion Ratio Lower Upper

93 100

95 81.4 67.2 100.8

174 96.5 79.0 118.6





#47

Bromodichloromethane

Concen: 49.475 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

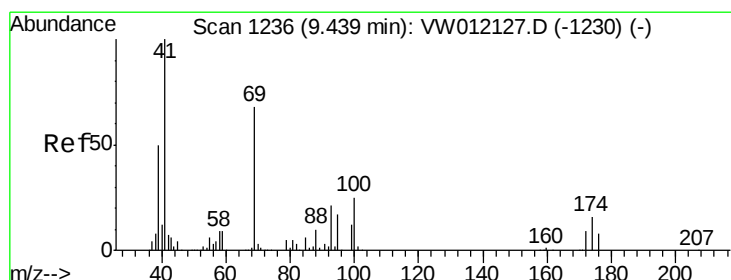
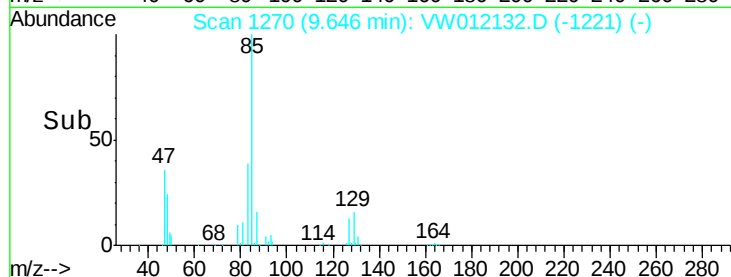
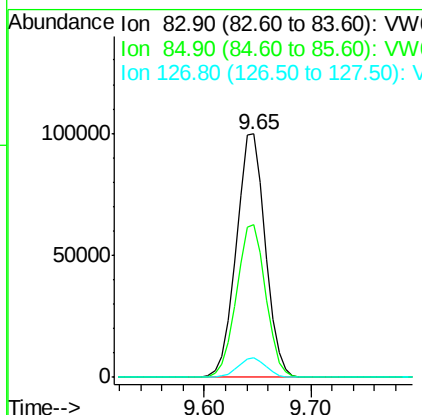
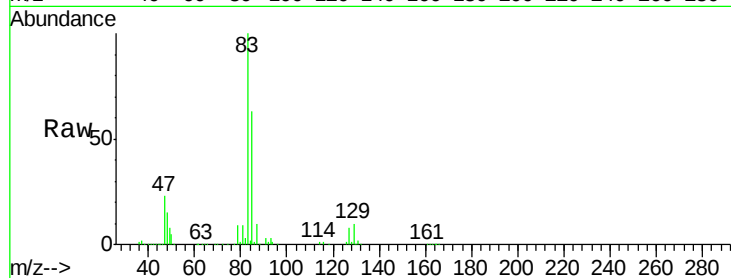
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	190885
Ion Ratio	Lower	Upper	
83	100		
85	62.9	49.4	74.2
127	8.1	6.1	9.1

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#48

Methyl methacrylate

Concen: 49.912 ug/l

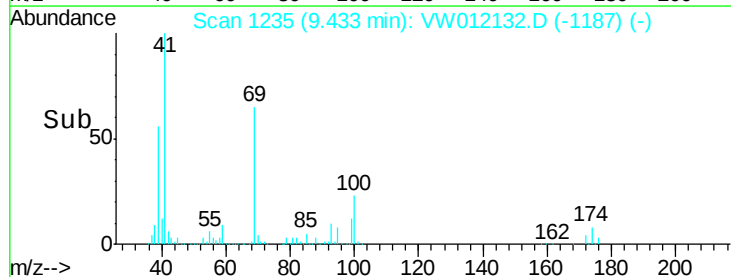
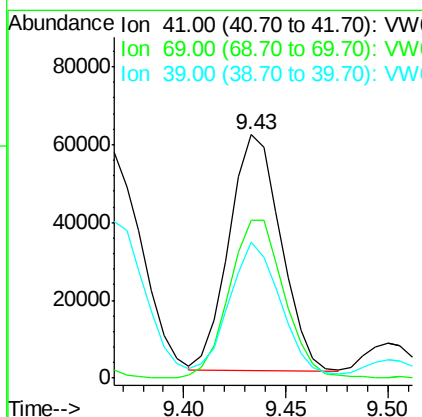
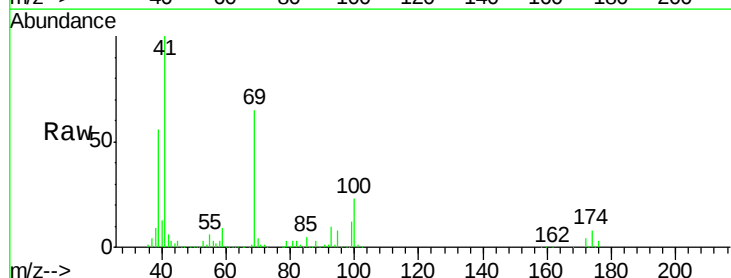
RT: 9.43 min Scan# 1235

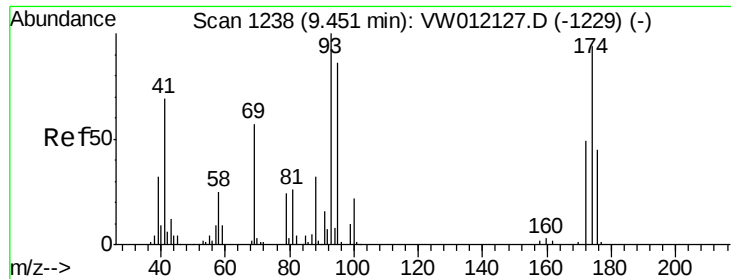
Delta R.T. -0.01 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion:	41	Resp:	106909
Ion Ratio	Lower	Upper	
41	100		
69	71.1	56.7	85.1
39	54.2	42.0	63.0





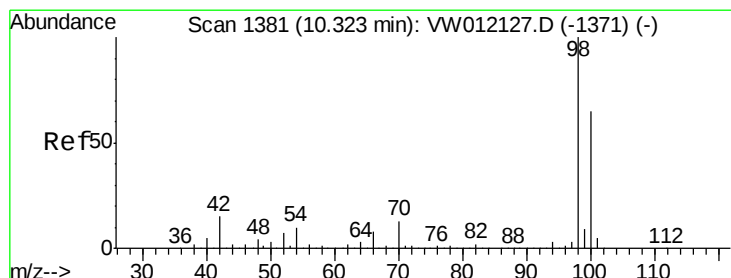
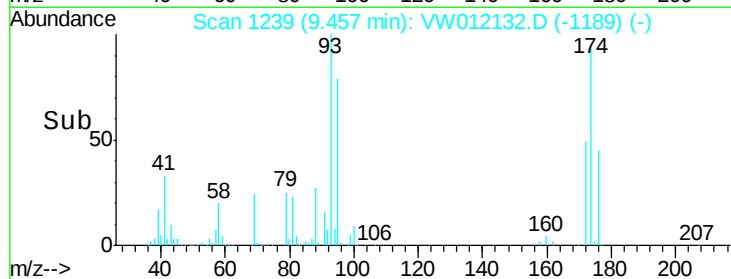
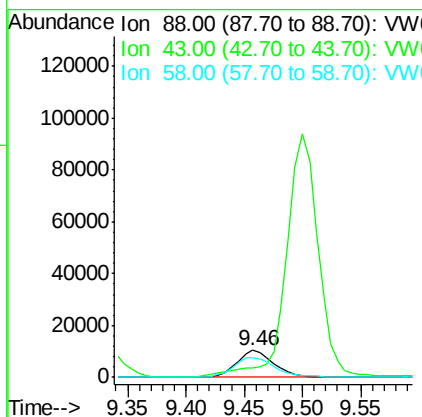
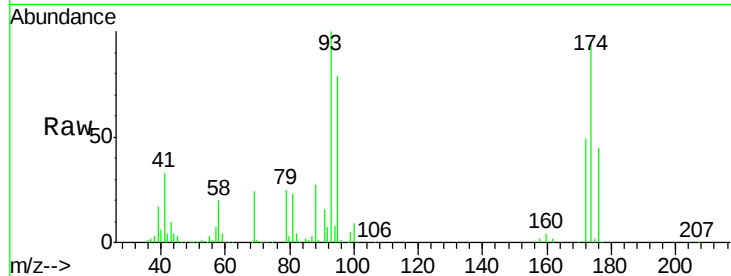
#49
1,4-Dioxane
Concen: 1036.359 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	23000
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	84.0	71.0	106.4

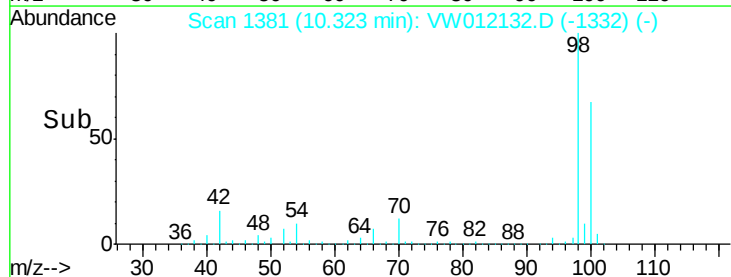
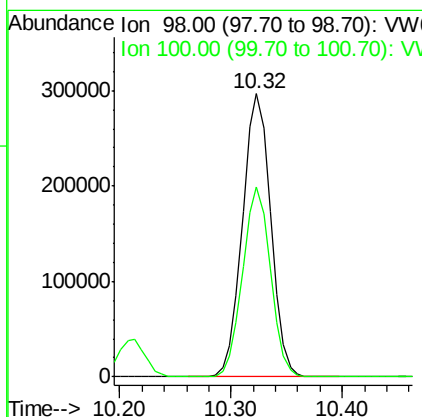
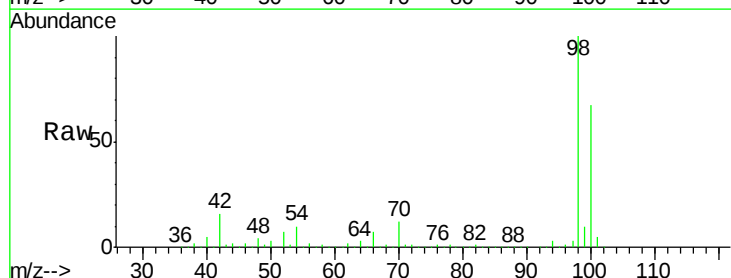
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#50
Toluene-d8
Concen: 50.402 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	98	Resp	523384
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6





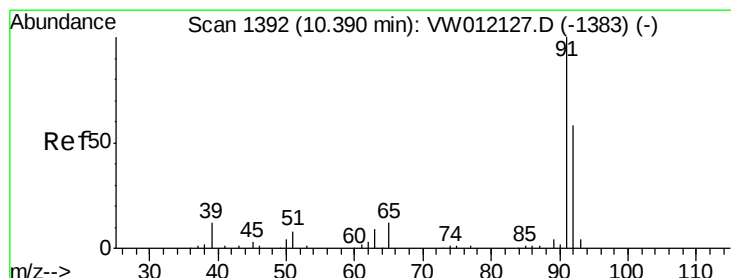
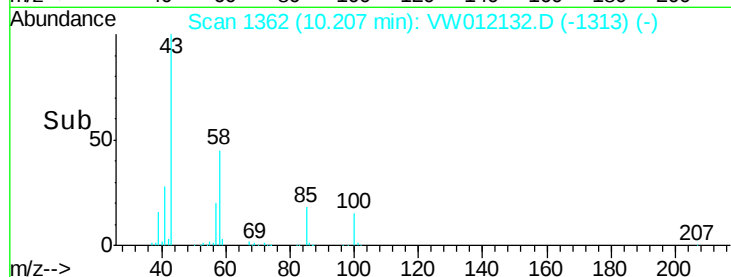
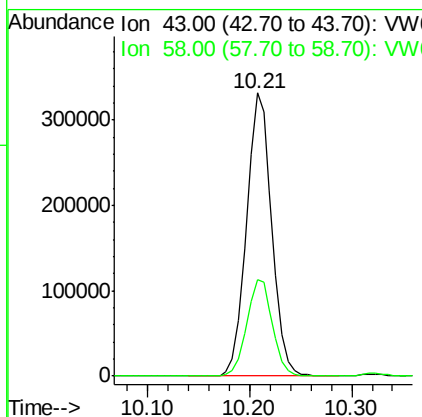
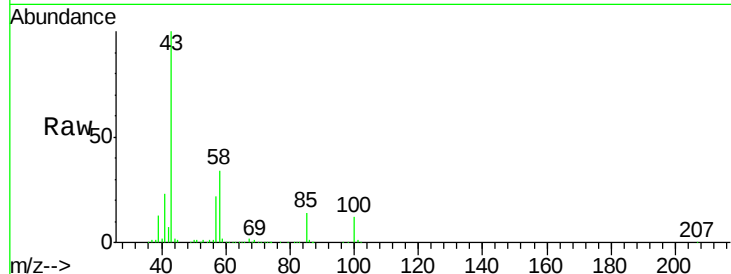
#51
4-Methyl-2-Pentanone
Concen: 249.028 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 570036
Ion Ratio Lower Upper
43 100
58 34.8 28.2 42.2

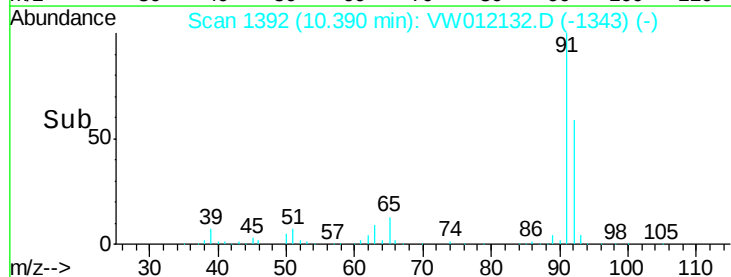
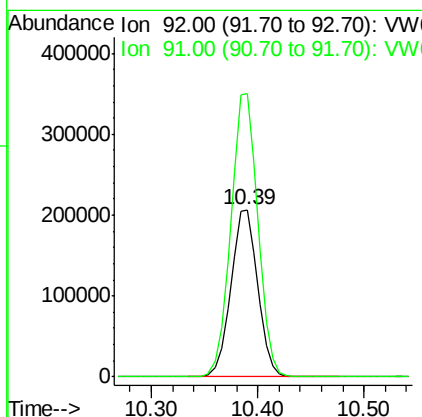
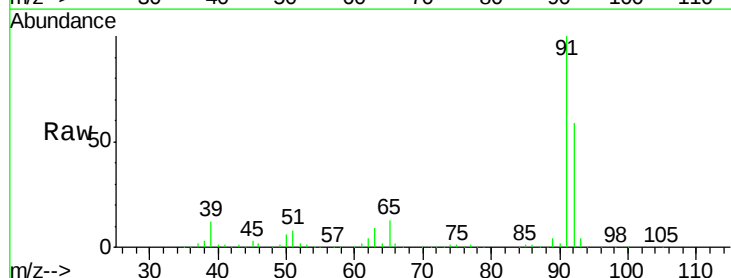
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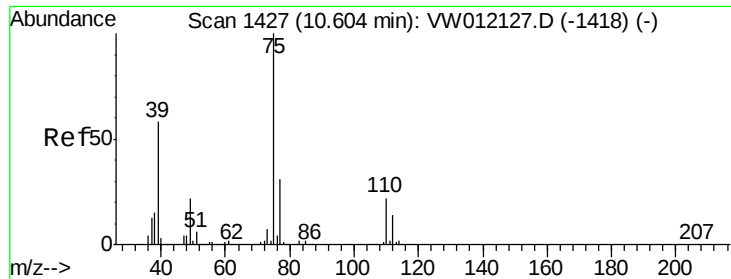
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#52
Toluene
Concen: 50.075 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 92 Resp: 364195
Ion Ratio Lower Upper
92 100
91 171.3 136.6 204.8





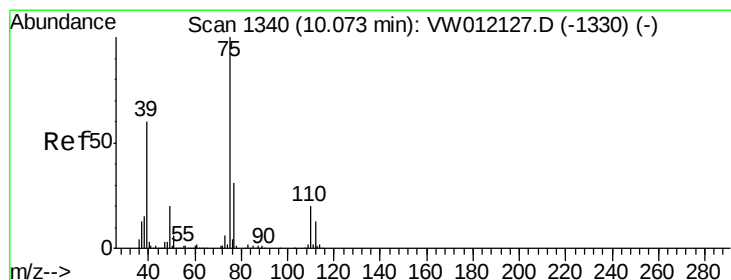
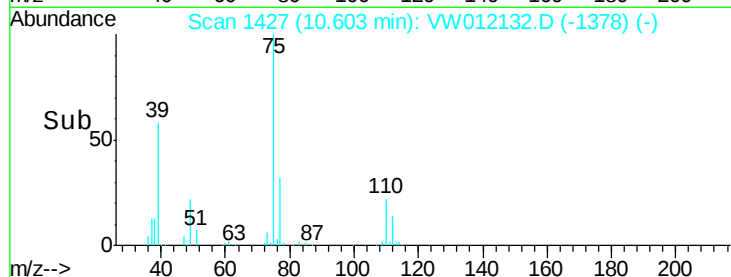
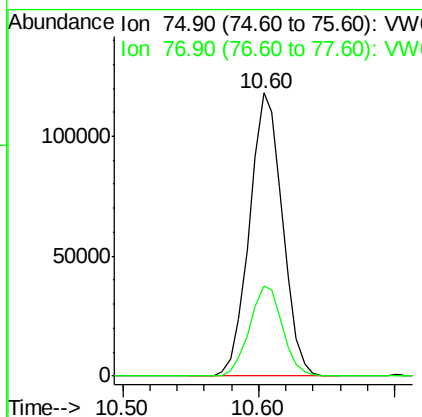
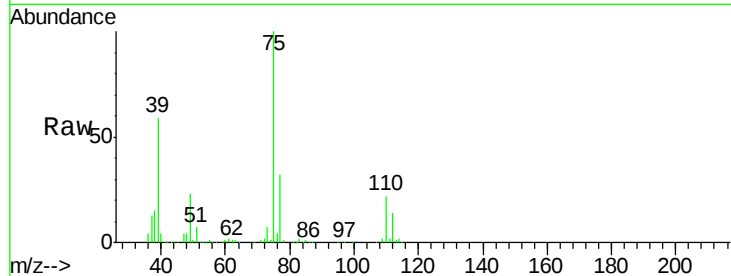
#53
t-1,3-Dichloropropene
Concen: 50.988 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4

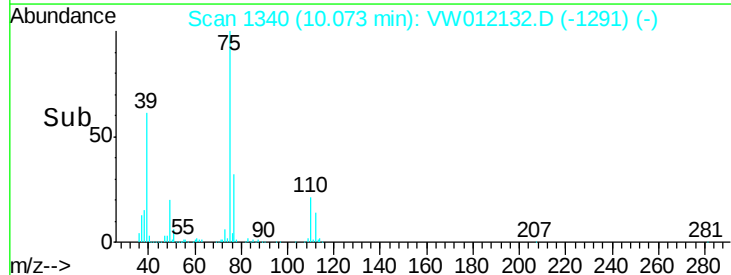
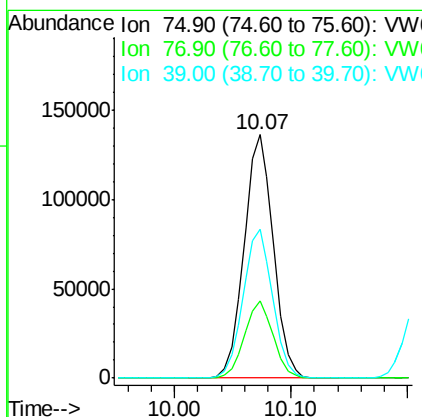
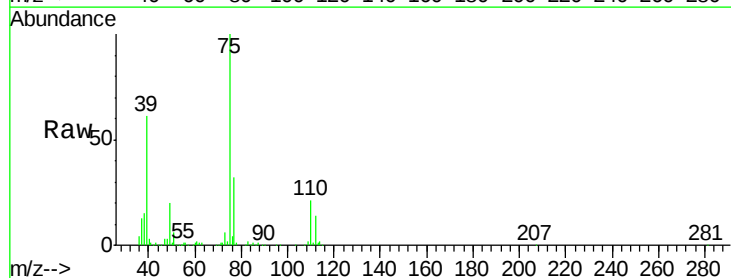
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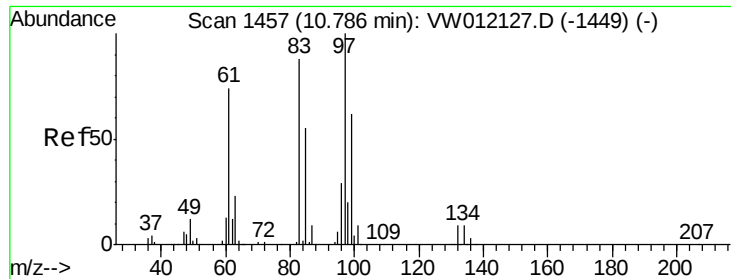
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#54
cis-1,3-Dichloropropene
Concen: 50.051 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7
39	60.9	48.3	72.5





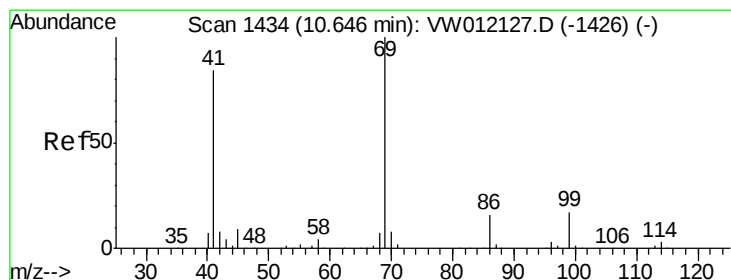
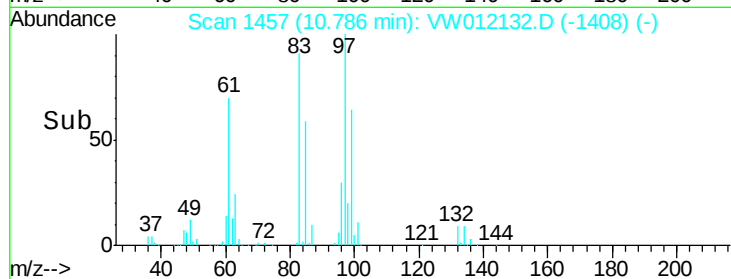
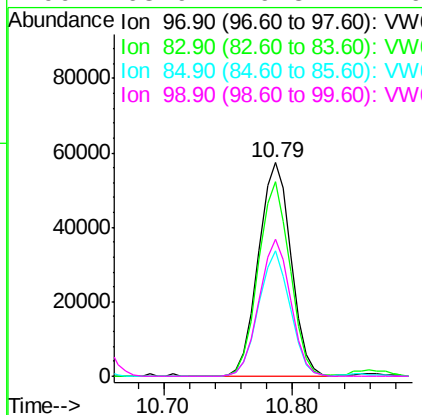
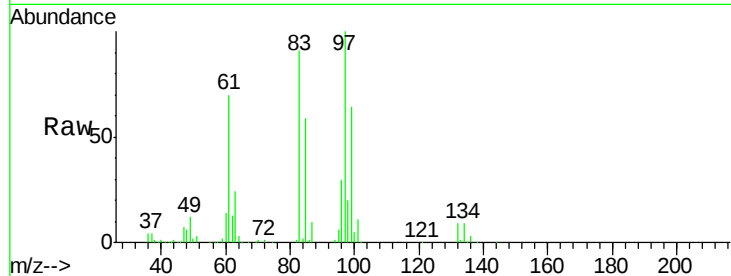
#55
 1,1,2-Trichloroethane
 Concen: 48.996 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	100496
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.8	106.2
85	58.7	43.8	65.8
99	63.9	49.8	74.6

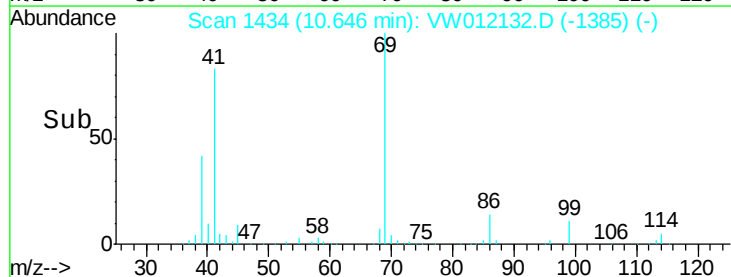
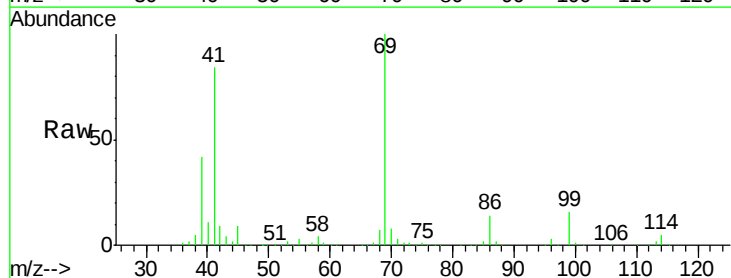
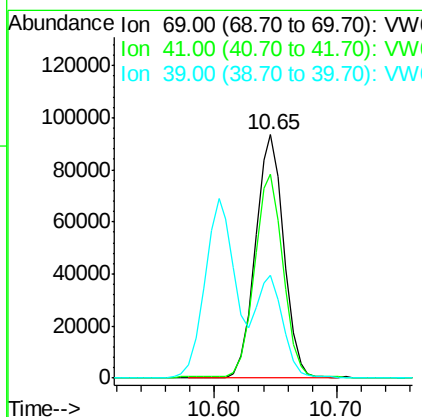
Manual Integrations
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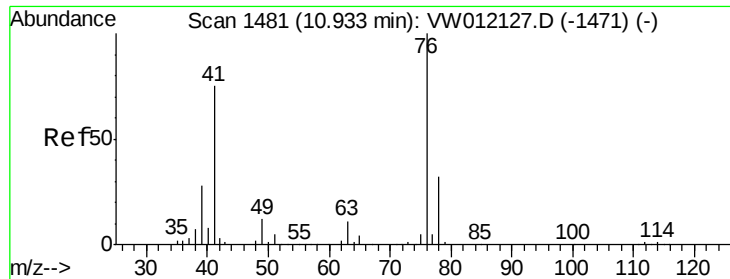
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#56
 Ethyl methacrylate
 Concen: 50.641 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion:	69	Resp:	151176
Ion	Ratio	Lower	Upper
69	100		
41	83.9	66.5	99.7
39	38.7	31.0	46.4





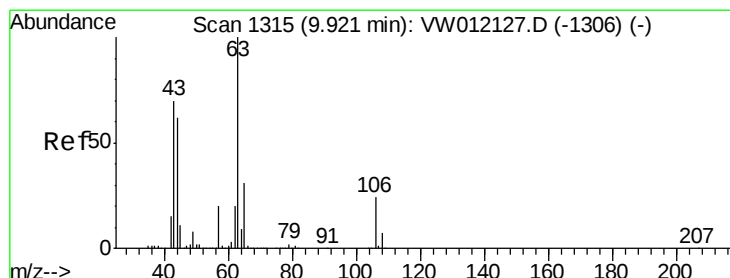
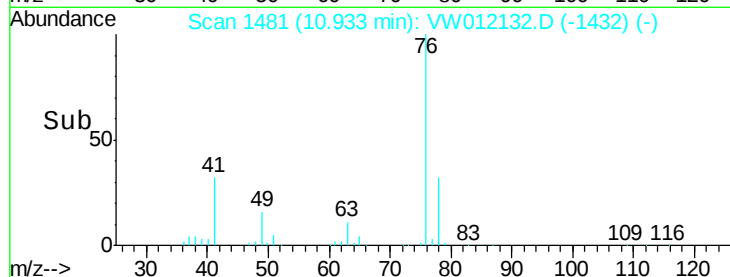
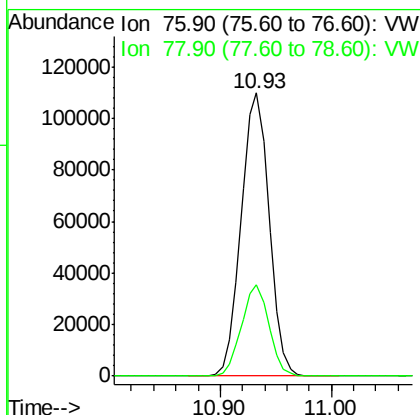
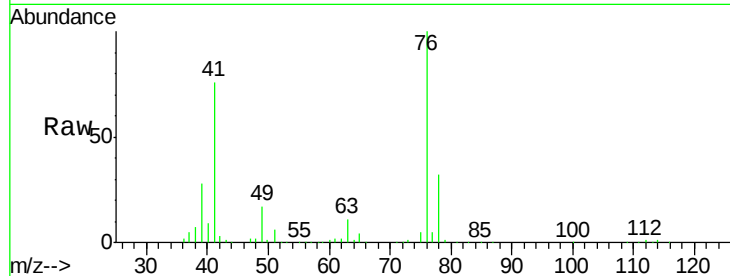
#57
 1,3-Dichloropropane
 Concen: 49.495 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 191847
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

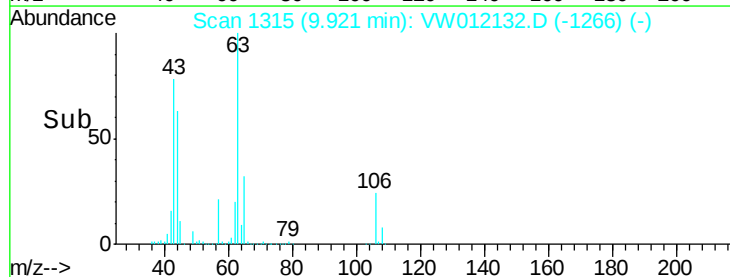
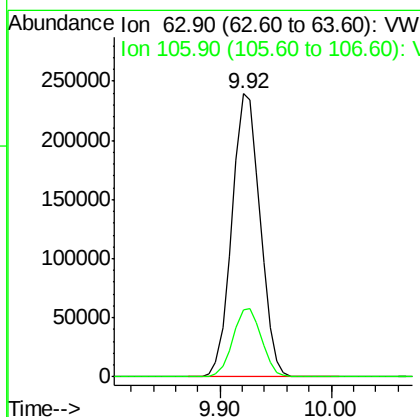
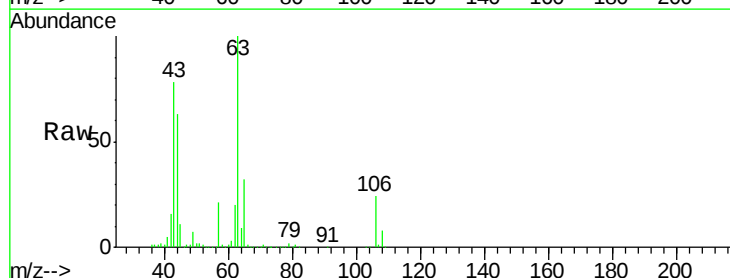
Manual Integrations
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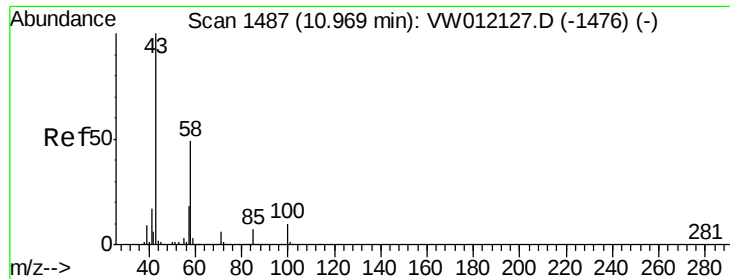
MMDadoda
 8/26/2019 11:39:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.755 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion: 63 Resp: 419415
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.8 29.8





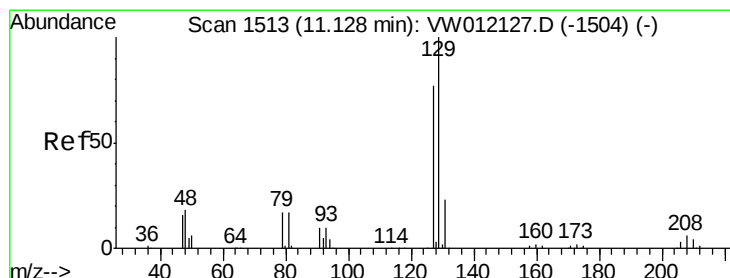
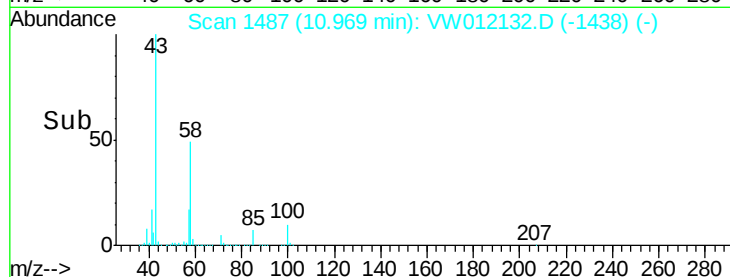
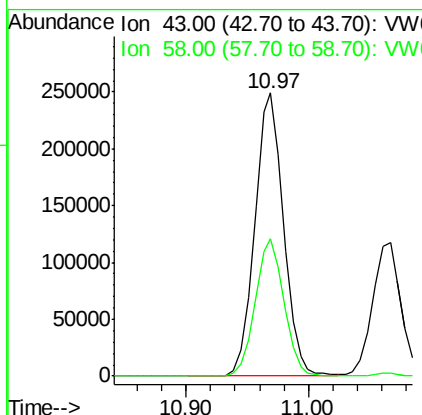
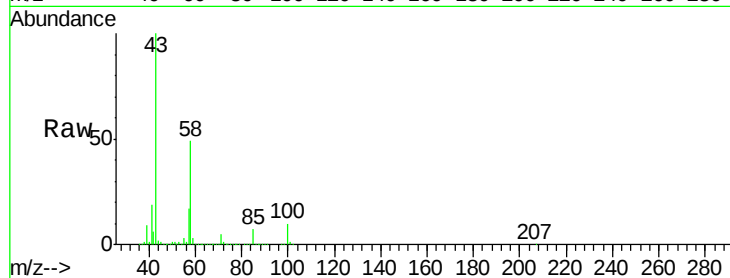
#59
2-Hexanone
Concen: 251.313 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 407038
Ion Ratio Lower Upper
43 100
58 48.7 24.3 72.9

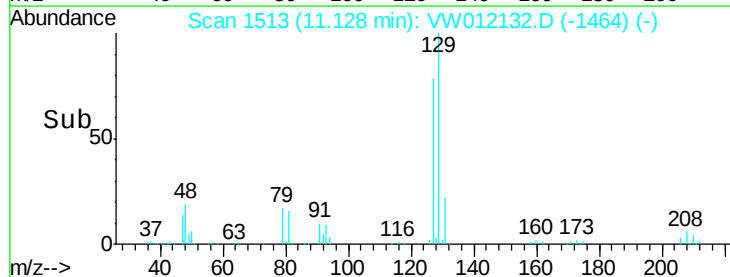
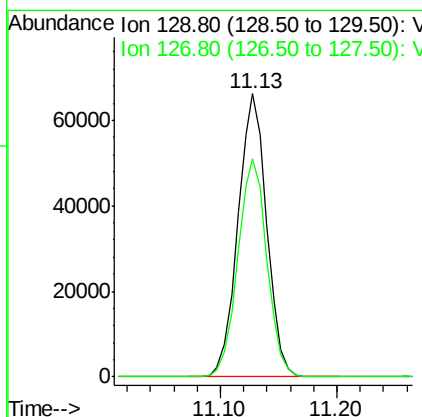
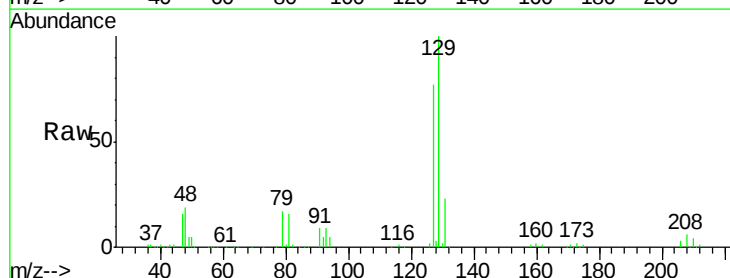
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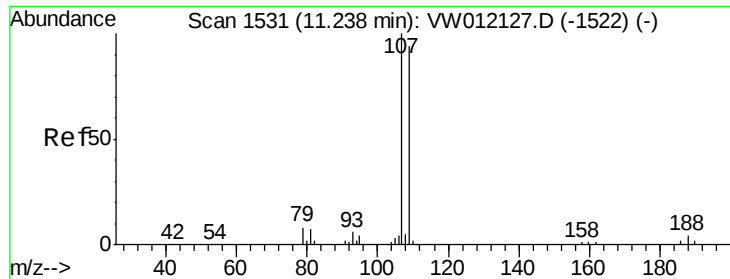
MMDadoda
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#60
Dibromochloromethane
Concen: 49.659 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 129 Resp: 113450
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 49.511 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 94609

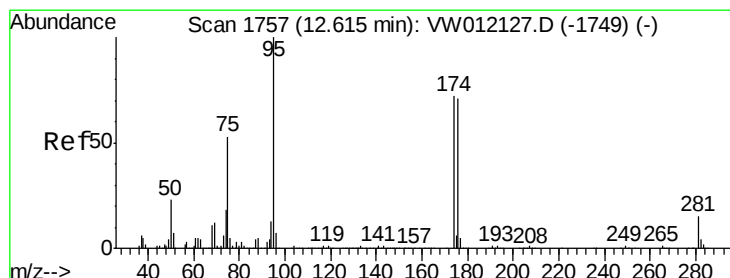
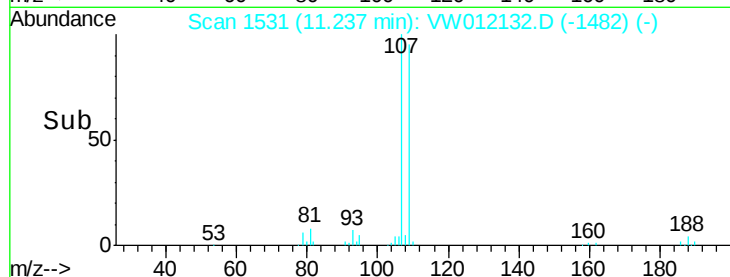
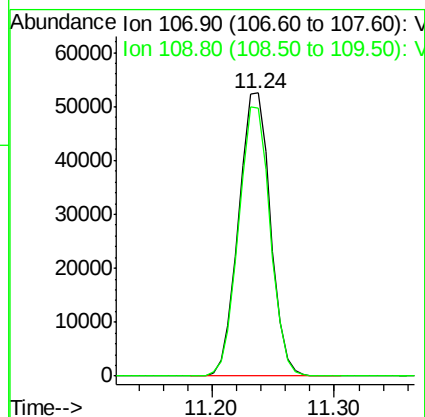
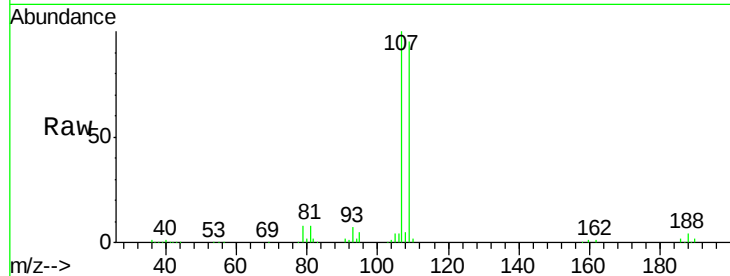
Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 49.726 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

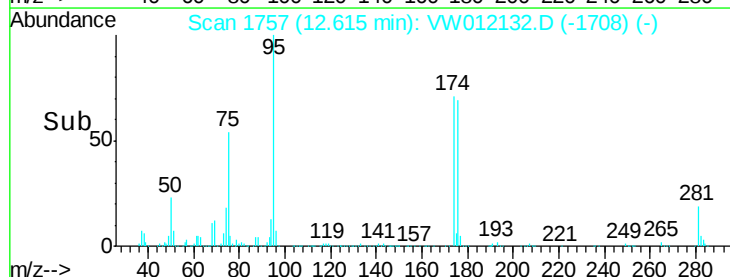
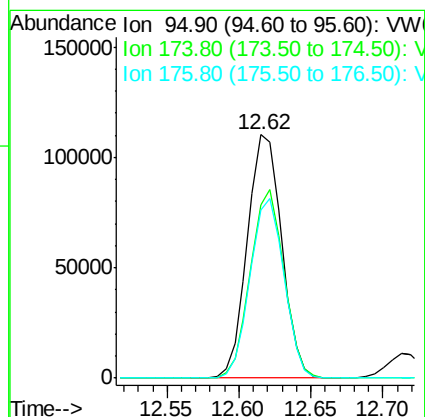
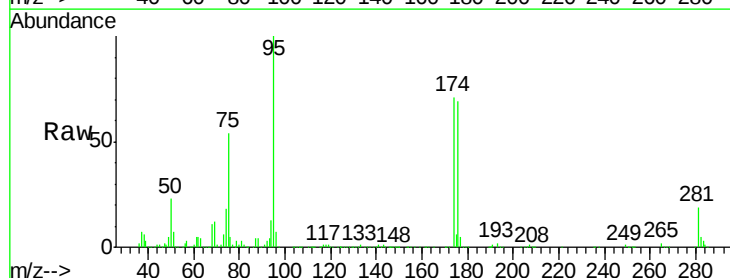
Tgt Ion: 95 Resp: 182018

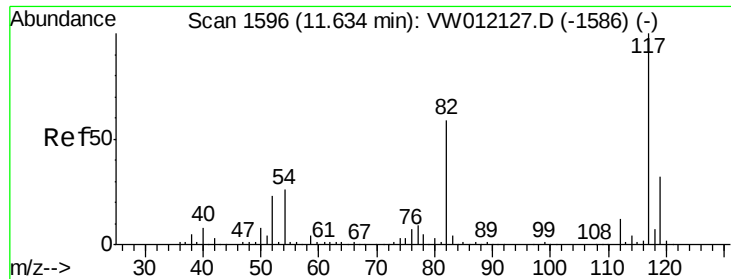
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.8

176 72.9 0.0 148.6





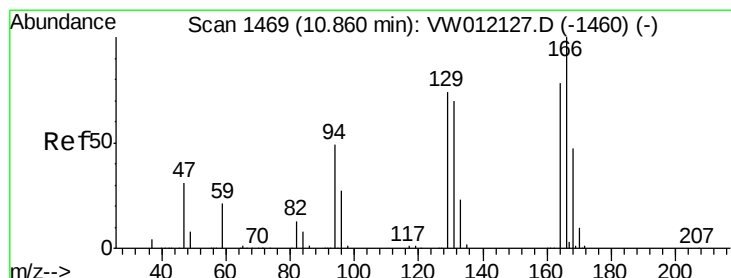
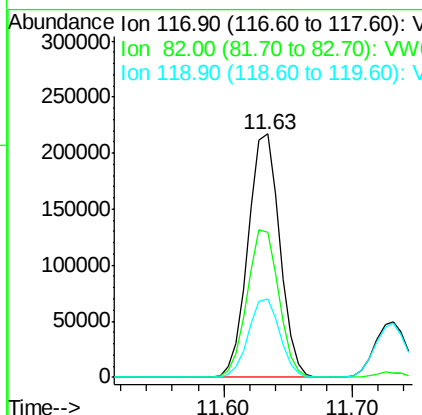
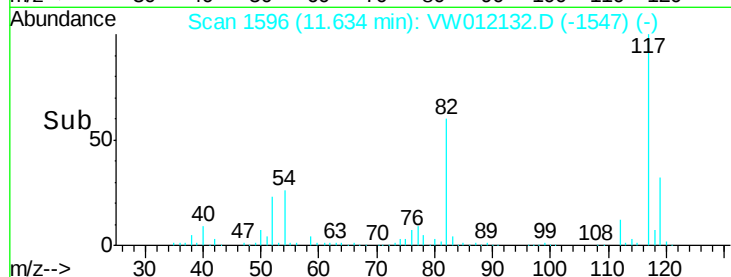
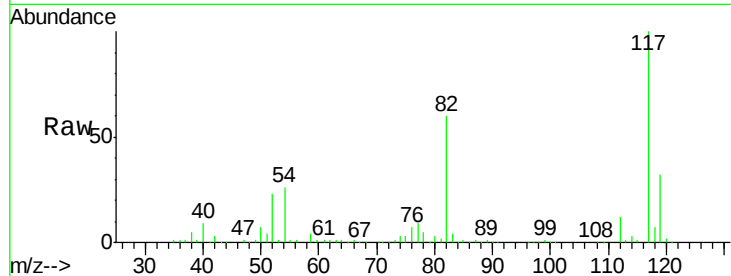
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	366987		
82	59.8	47.4	71.2	
119	32.1	25.4	38.2	

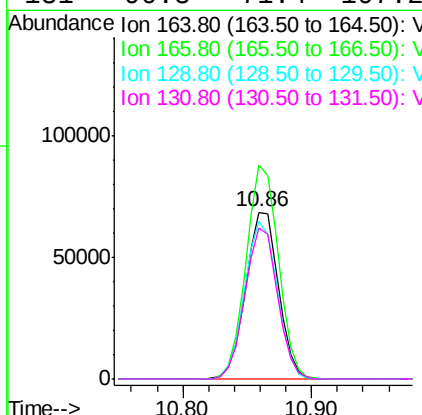
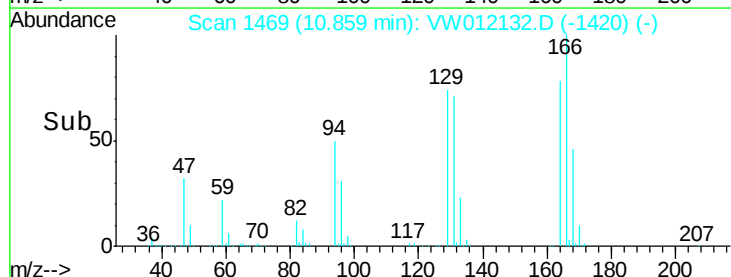
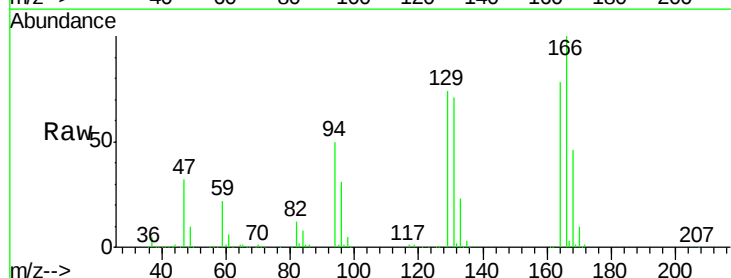
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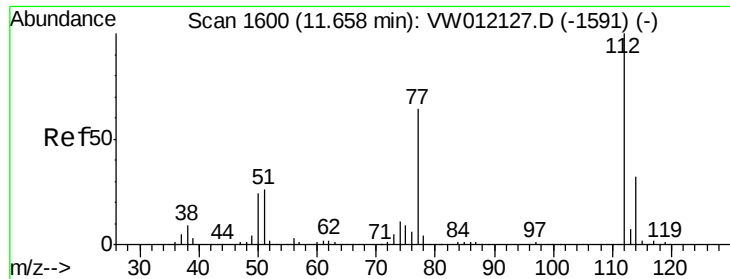
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#64
Tetrachloroethene
Concen: 50.367 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119838		
166	128.0	102.4	153.6	
129	94.4	75.8	113.6	
131	90.8	71.4	107.2	





#65

Chlorobenzene

Concen: 49.949 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 360944

Ion Ratio Lower Upper

112 100

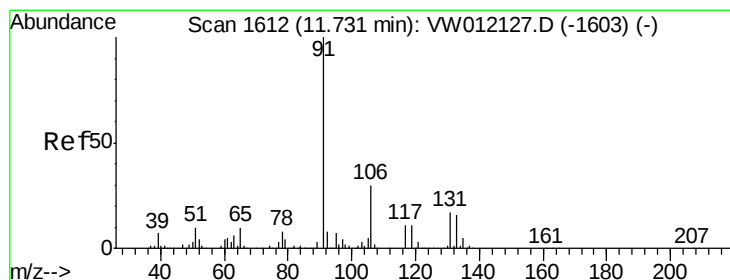
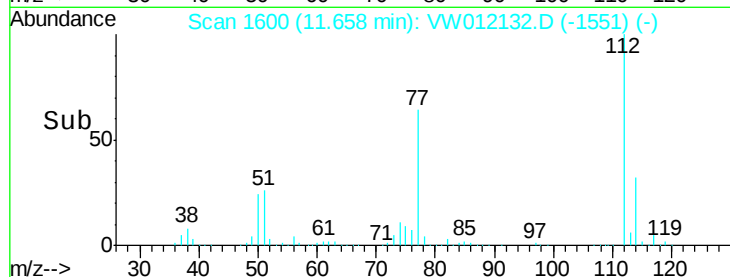
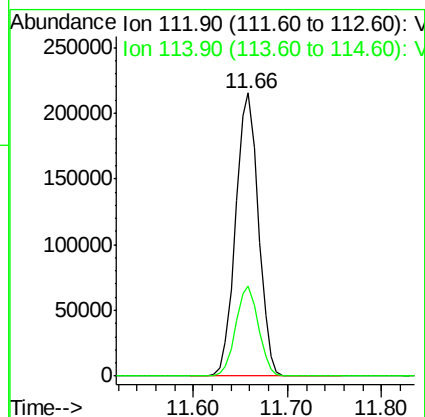
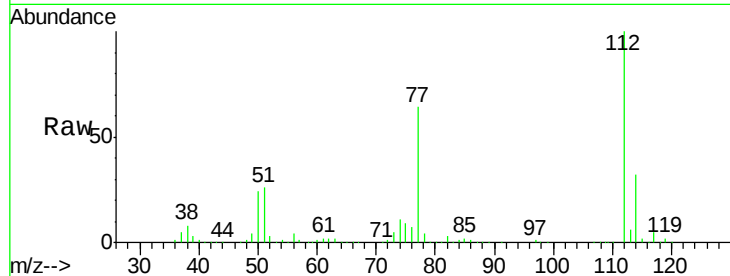
114 31.9 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.326 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

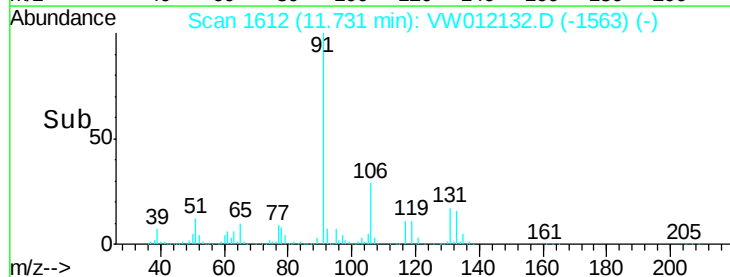
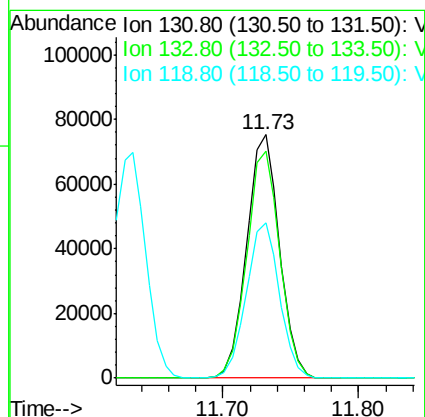
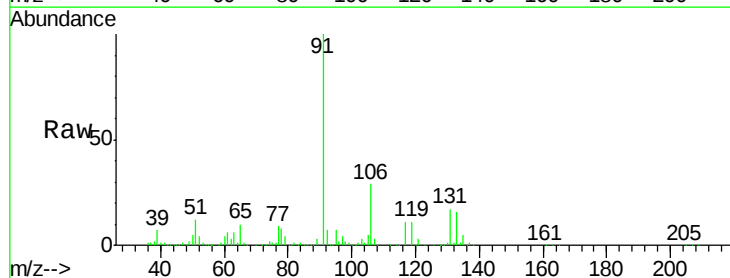
Tgt Ion:131 Resp: 126870

Ion Ratio Lower Upper

131 100

133 93.9 47.1 141.3

119 64.7 31.8 95.3





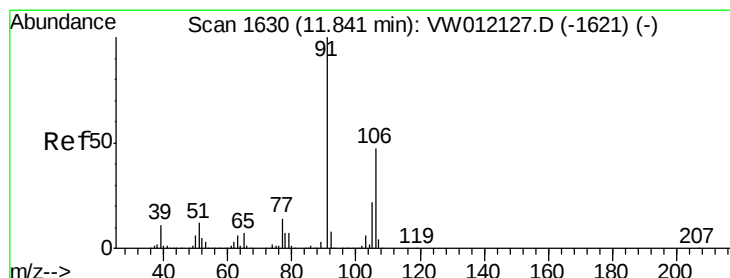
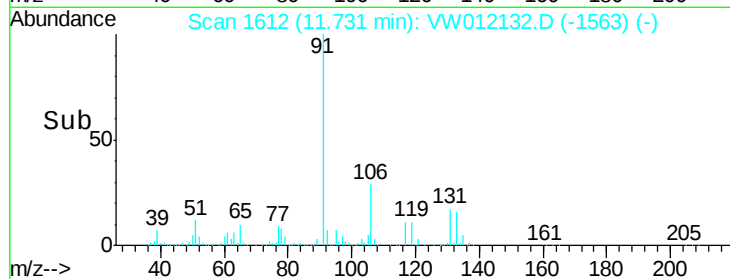
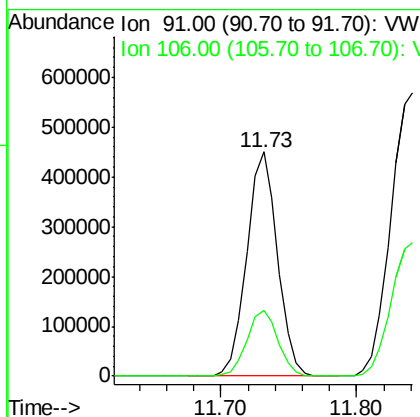
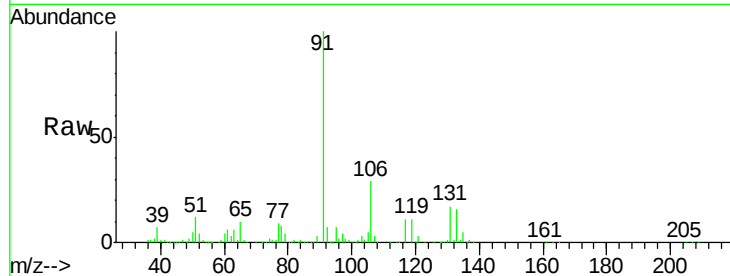
#67
Ethyl Benzene
Concen: 50.994 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.3	36.5

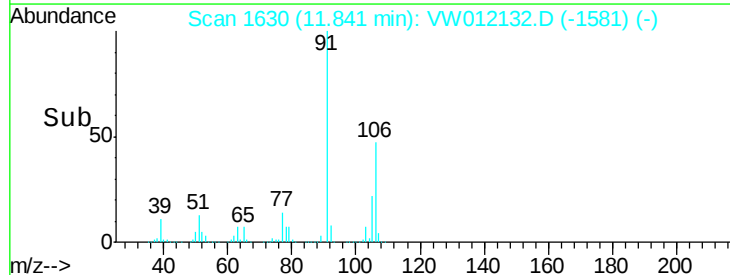
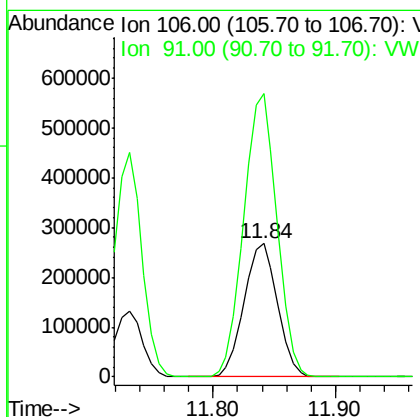
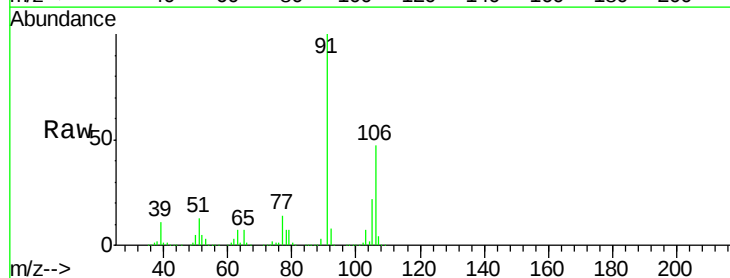
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#68
m/p-Xylenes
Concen: 101.285 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.3	169.5	254.3





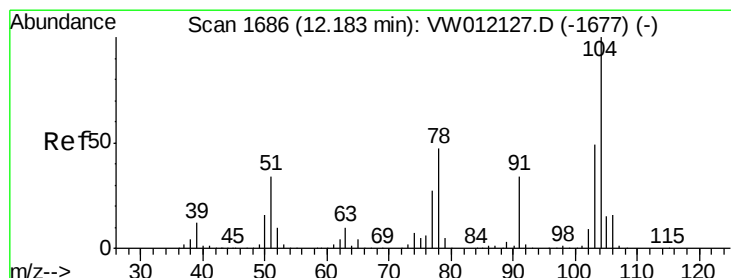
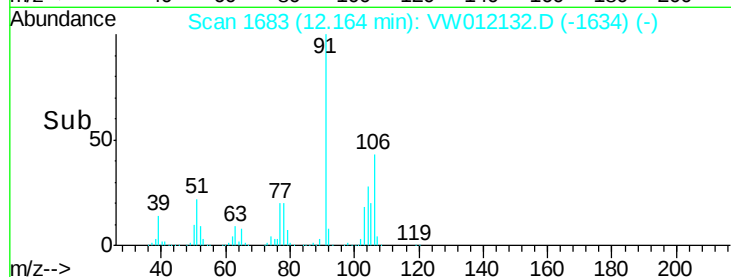
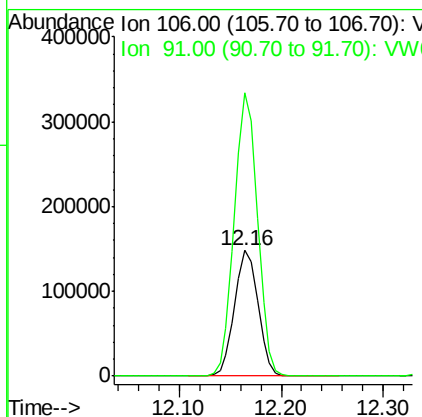
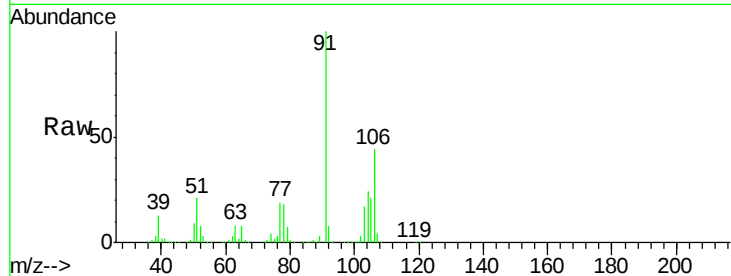
#69
o-Xylene
Concen: 50.840 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	235941		
91	91	222.4	111.6	334.6	

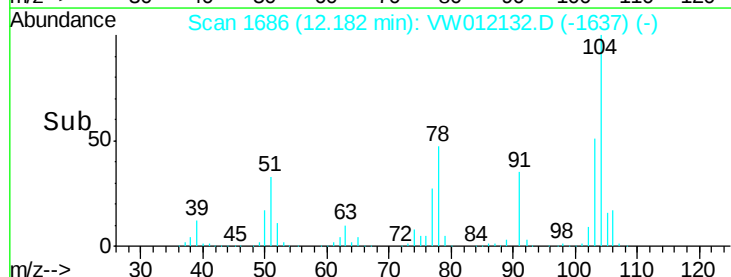
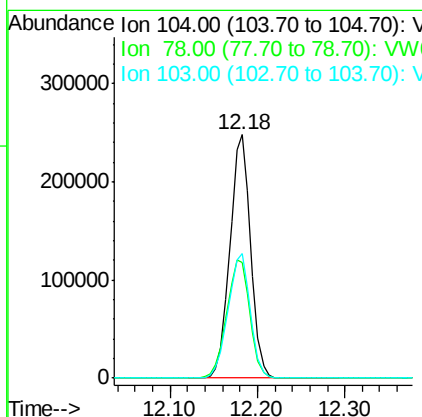
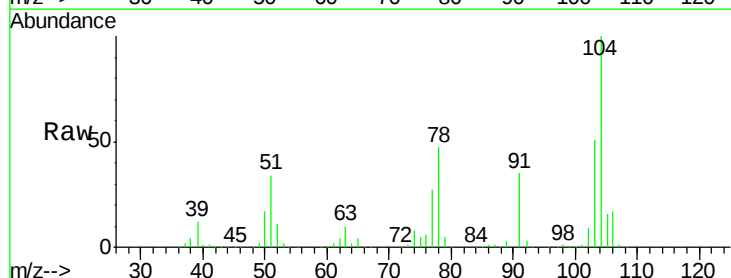
Manual Integrations
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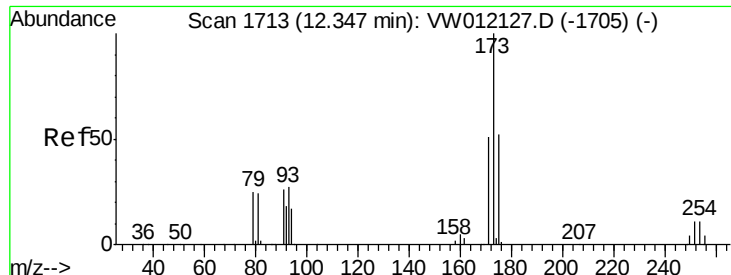
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#70
Styrene
Concen: 50.771 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	407834		
78	78	54.1	43.1	64.7	
103	103	54.9	43.5	65.3	





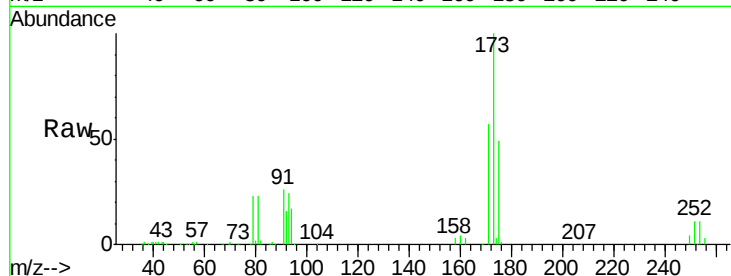
#71
Bromoform
Concen: 48.960 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.6	74.0
254	0.1	0.2	0.2

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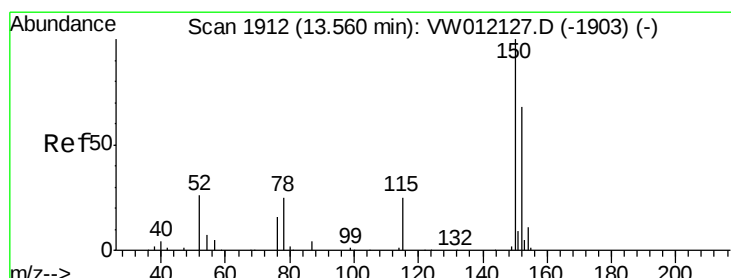
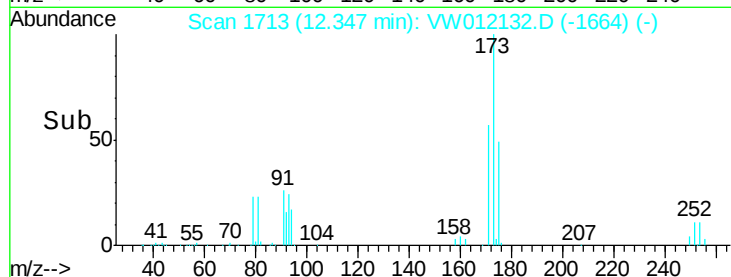
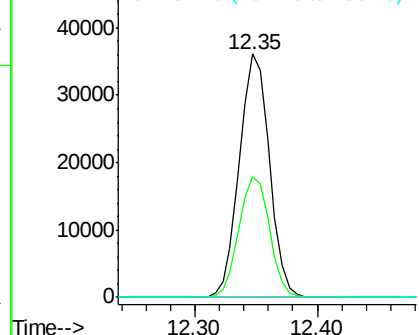


Abundance

Ion 172.70 (172.40 to 173.40): V

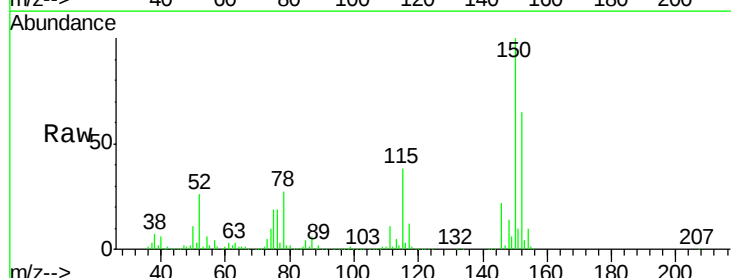
Ion 174.70 (174.40 to 175.40): V

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: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.1	90.3
150	171.1	0.0	345.8

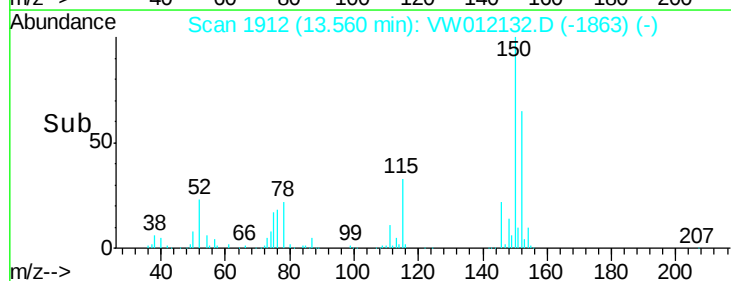
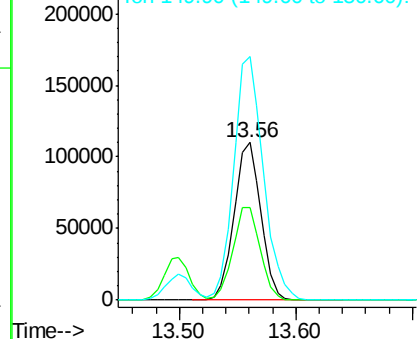


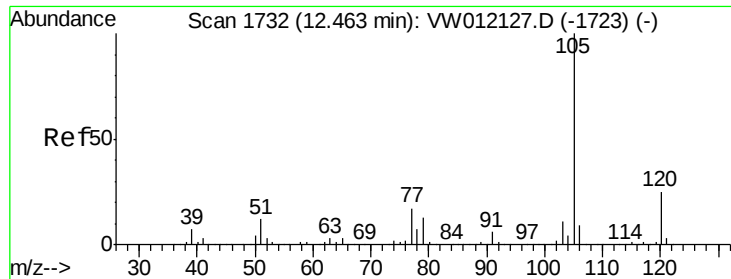
Abundance

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





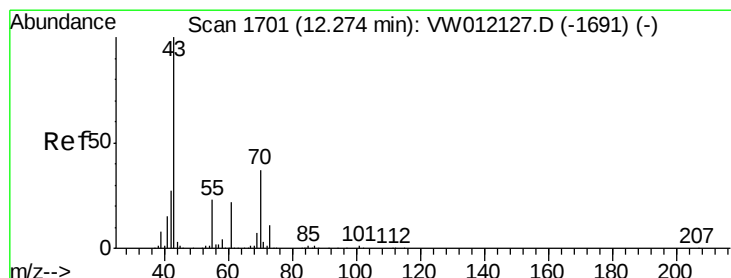
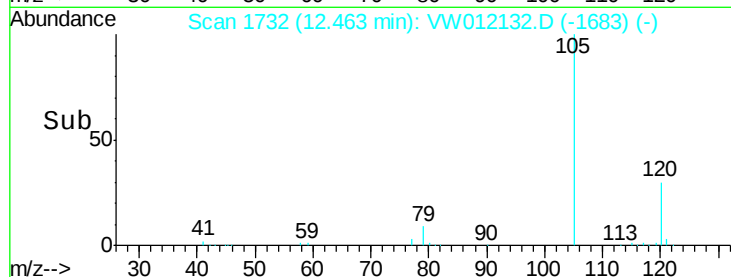
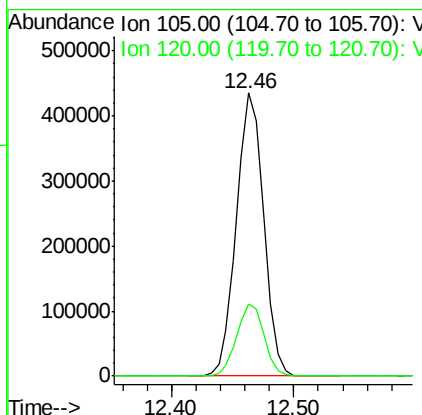
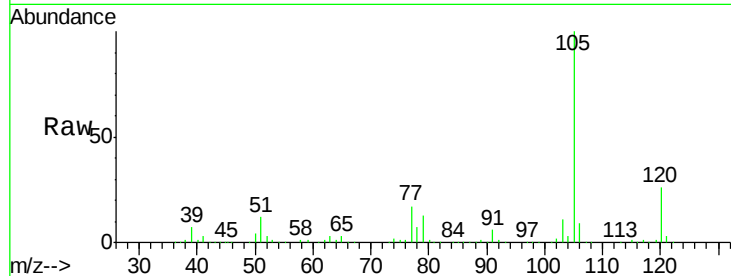
#73
Isopropylbenzene
Concen: 50.934 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 670465
Ion Ratio Lower Upper
105 100
120 25.6 12.5 37.5

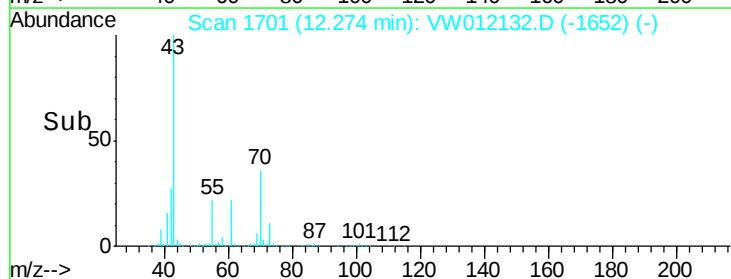
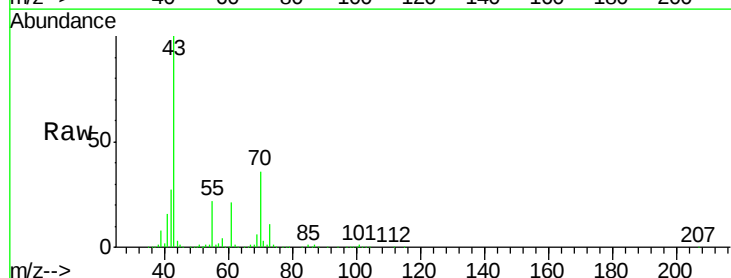
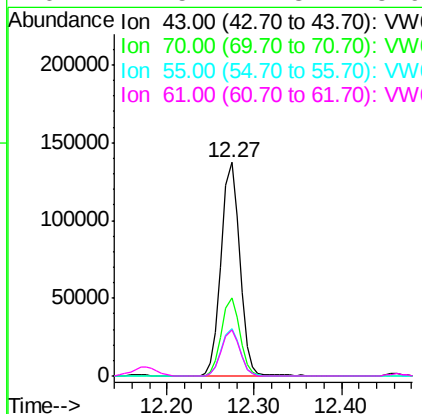
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#74
N-ethyl acetate
Concen: 51.114 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 43 Resp: 203280
Ion Ratio Lower Upper
43 100
70 35.9 28.6 43.0
55 22.3 17.8 26.6
61 21.5 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.242 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

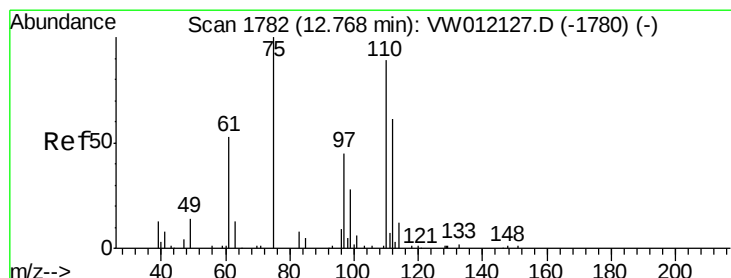
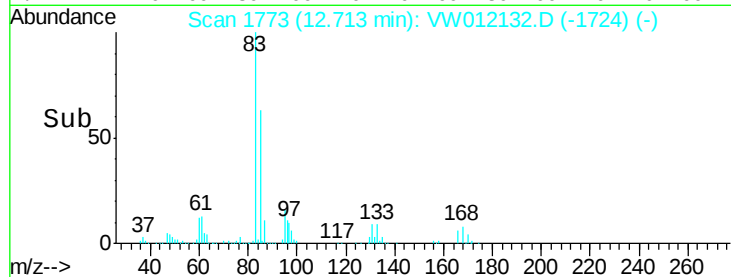
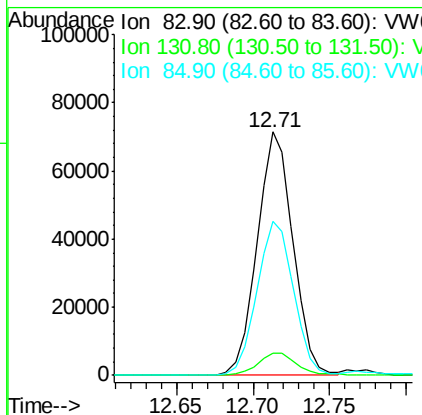
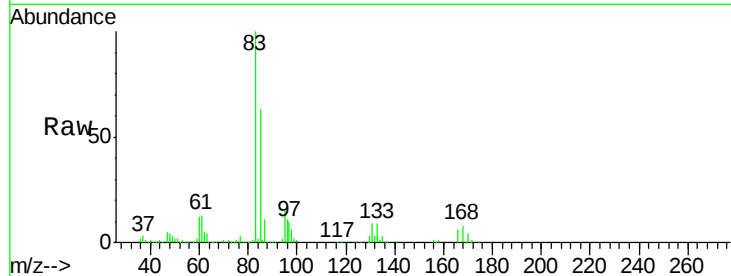
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	116420
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.6	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.796 ug/l m

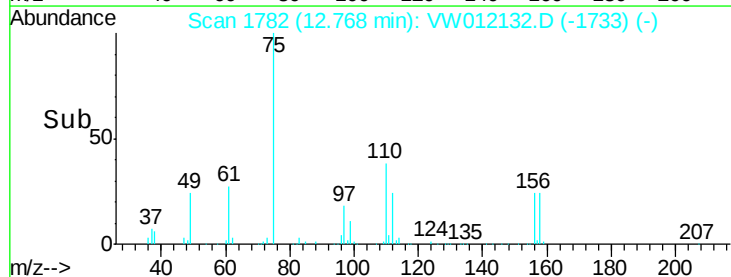
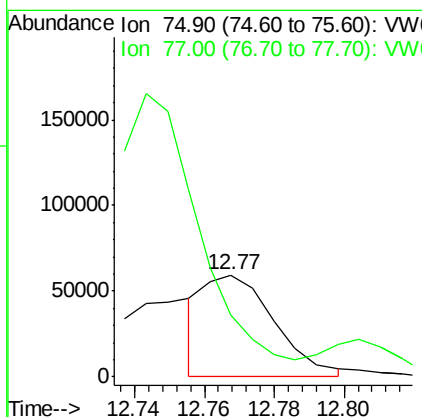
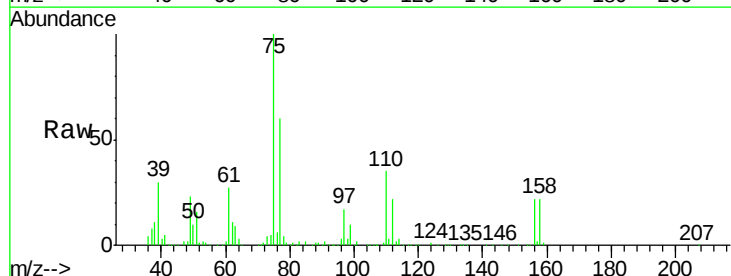
RT: 12.77 min Scan# 1782

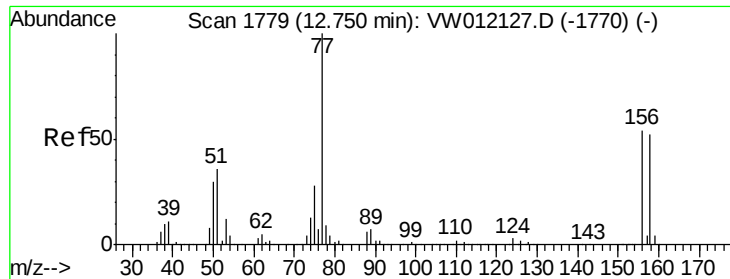
Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion:	75	Resp:	83486
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.495 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 140950

Ion Ratio Lower Upper

156 100

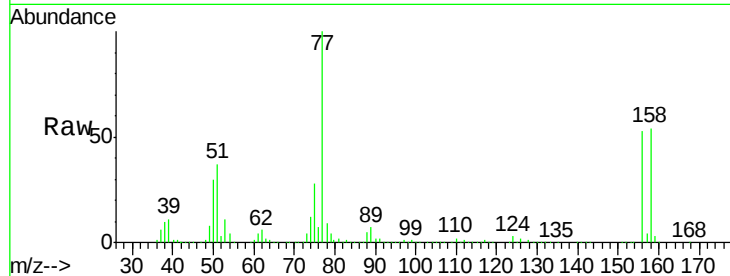
77 213.4 107.3 321.8

158 97.1 49.0 147.0

Manual Integrations
APPROVED

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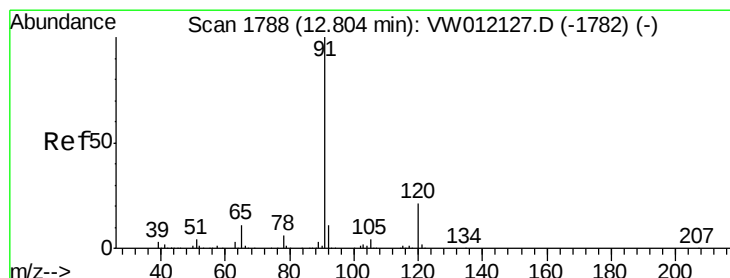
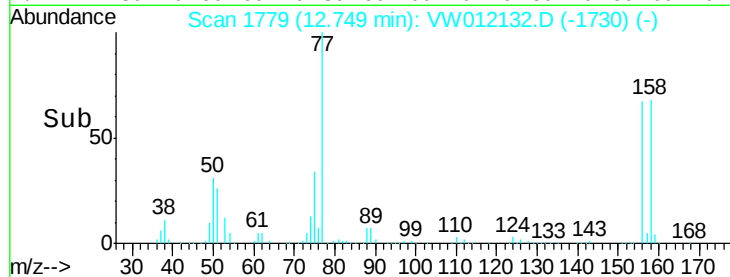
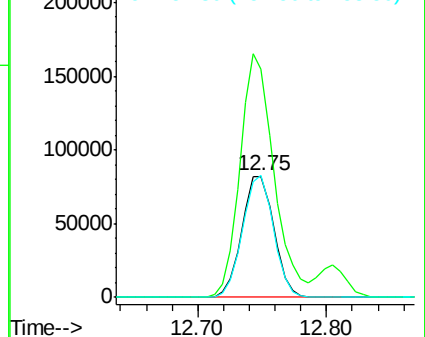
8/26/2019 11:39:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.951 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012132.D

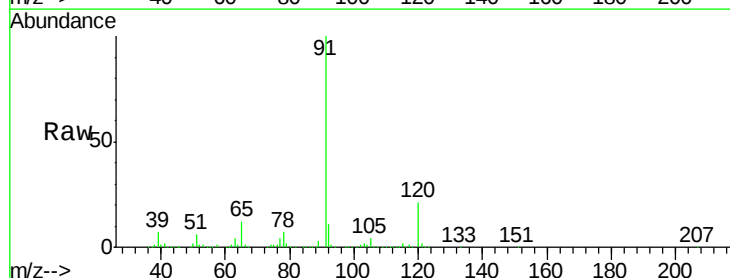
Acq: 23 Aug 2019 14:47

Tgt Ion: 91 Resp: 818778

Ion Ratio Lower Upper

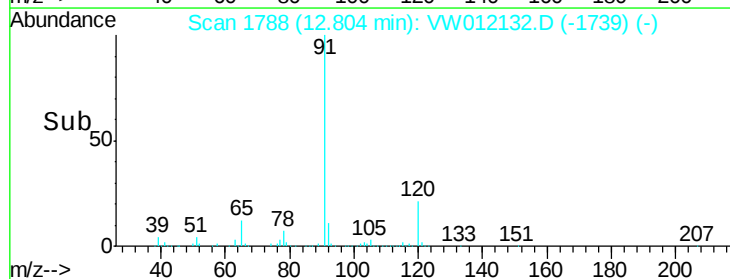
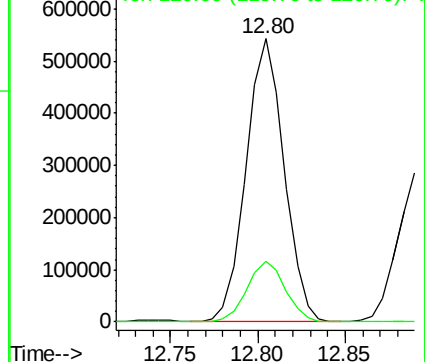
91 100

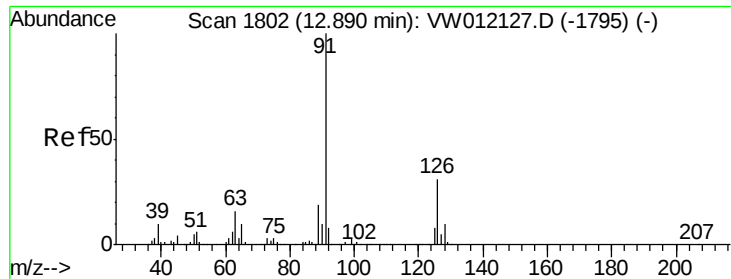
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





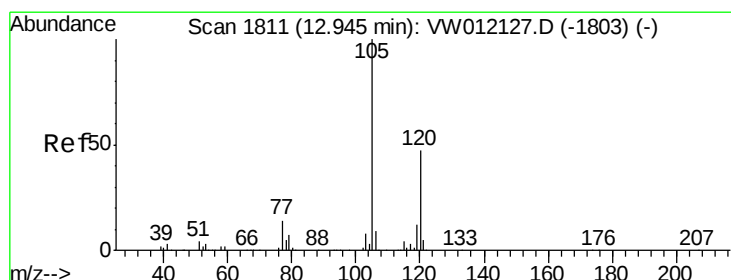
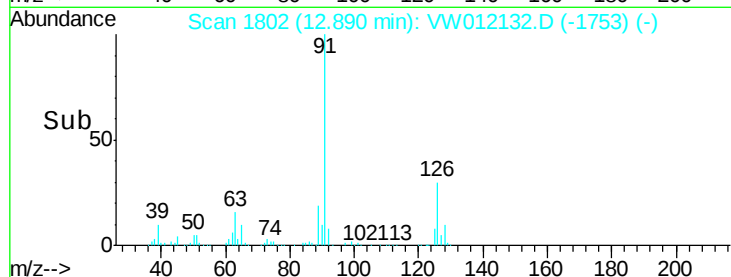
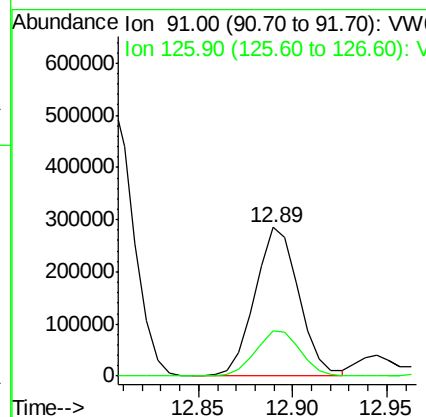
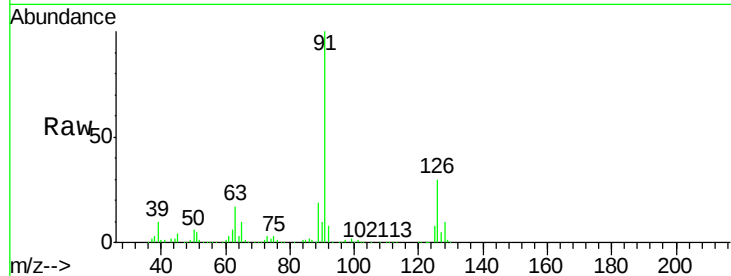
#79
2-Chlorotoluene
Concen: 50.548 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 461172
Ion Ratio Lower Upper
91 100
126 30.9 15.7 47.0

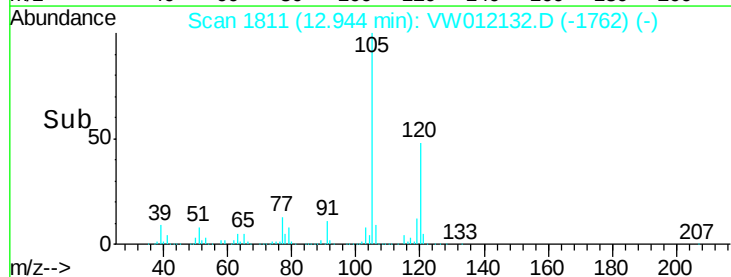
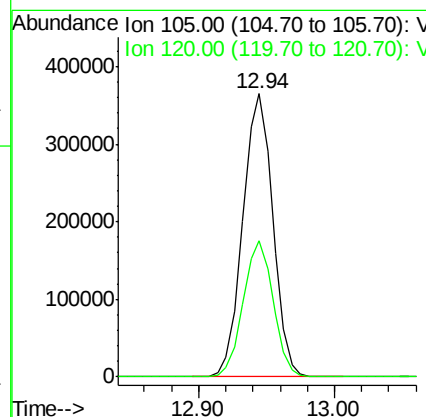
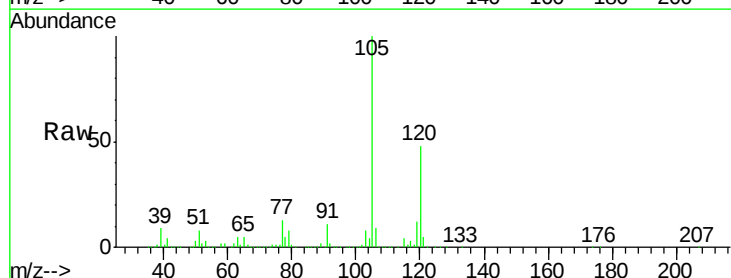
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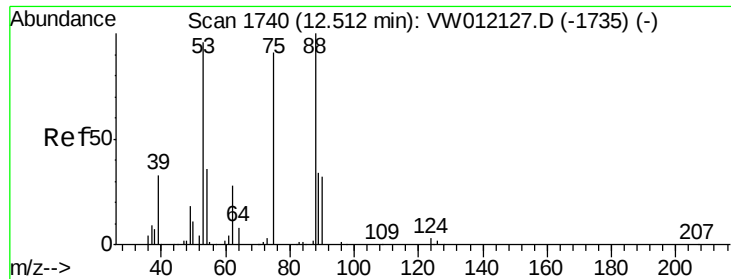
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#80
1,3,5-Trimethylbenzene
Concen: 51.080 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion: 105 Resp: 561846
Ion Ratio Lower Upper
105 100
120 47.8 24.0 72.0





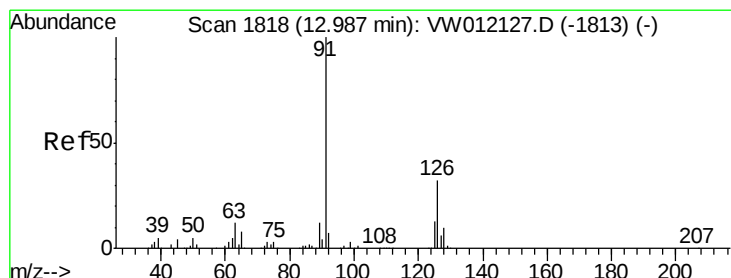
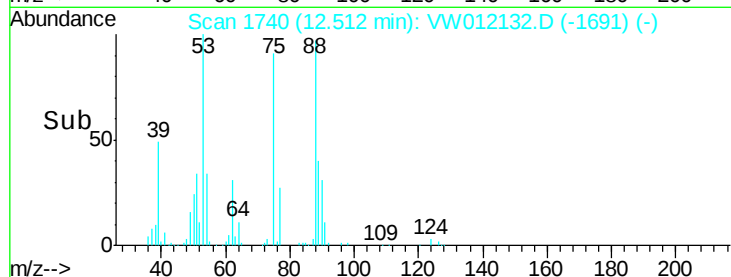
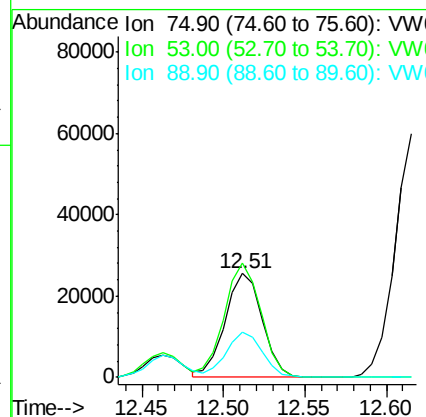
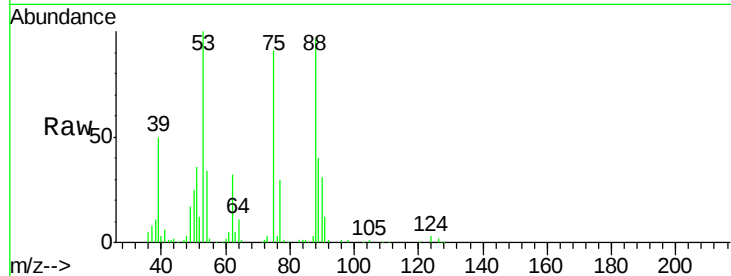
#81
trans-1,4-Dichloro-2-butene
Concen: 52.212 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.6	89.4	134.0
89	42.0	34.5	51.7

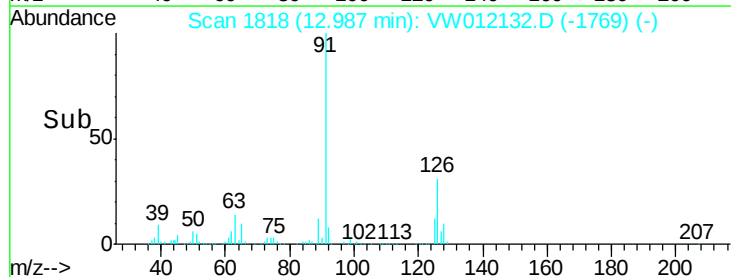
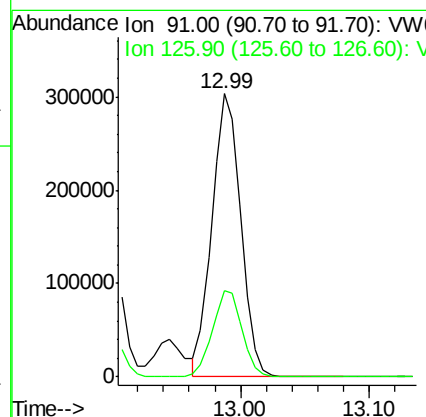
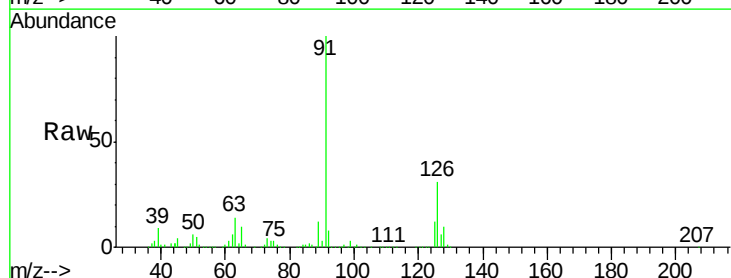
Manual Integrations
APPROVED

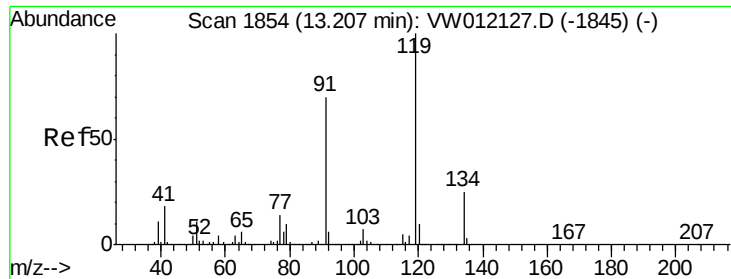
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.619 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





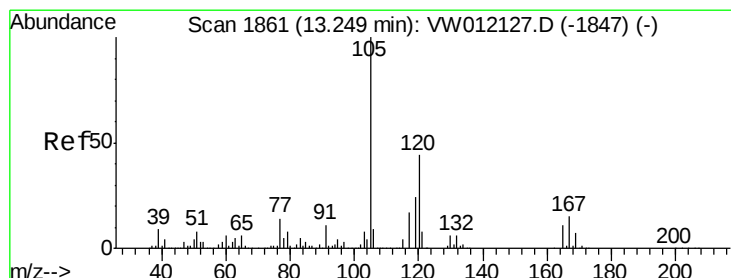
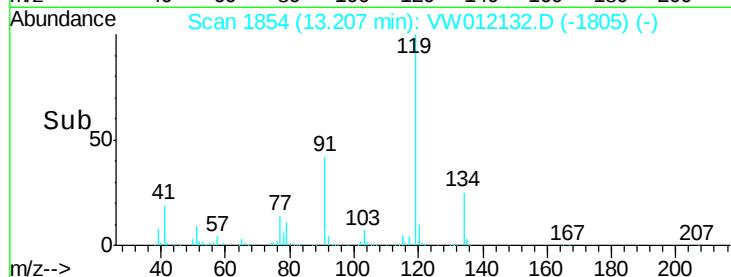
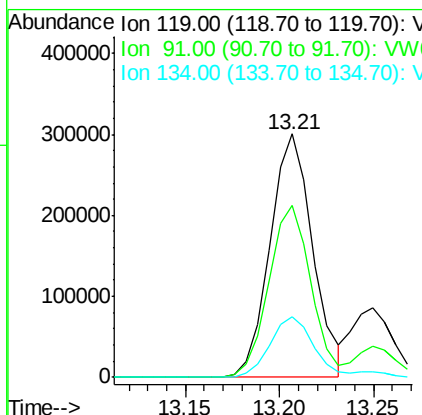
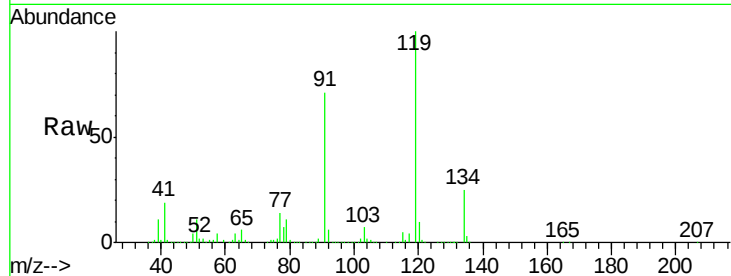
#83
tert-Butylbenzene
Concen: 50.741 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.5	34.8	104.3
134	25.2	13.3	39.8

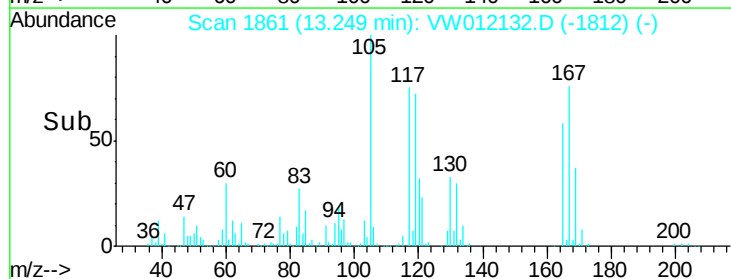
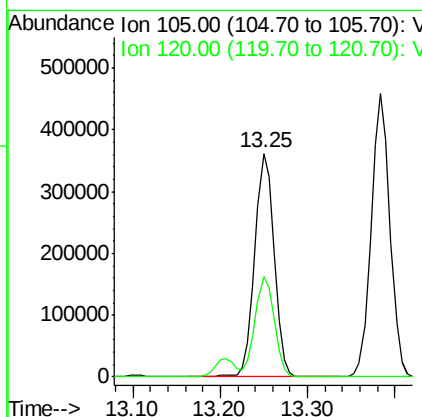
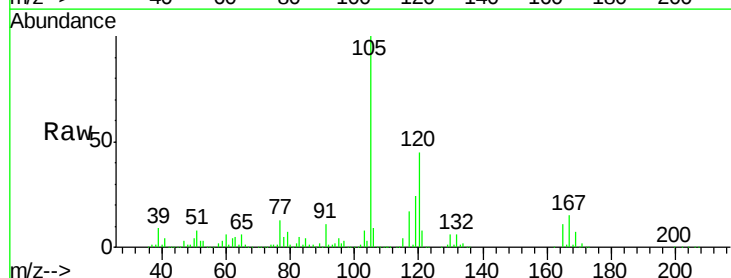
Manual Integrations
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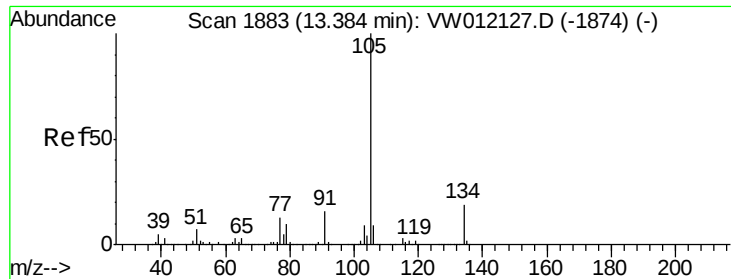
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#84
1,2,4-Trimethylbenzene
Concen: 50.310 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.7





#85

sec-Butylbenzene

Concen: 51.297 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 684754

Ion Ratio Lower Upper

105 100

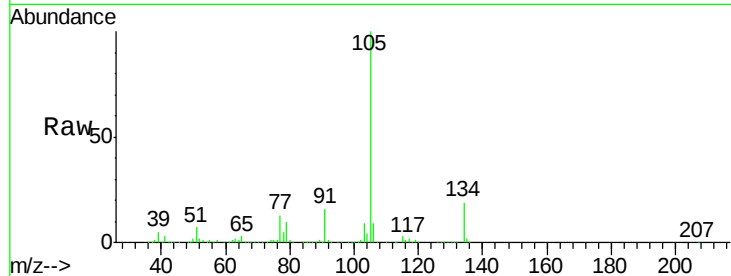
134 19.4 9.8 29.4

Manual Integrations

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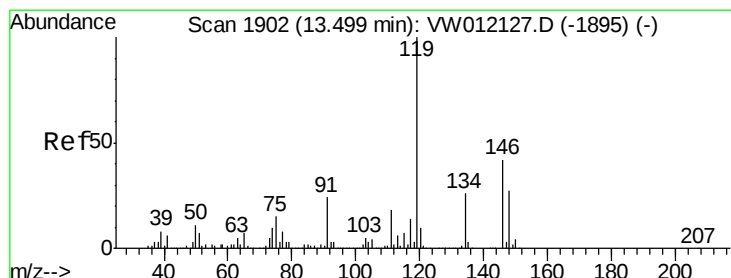
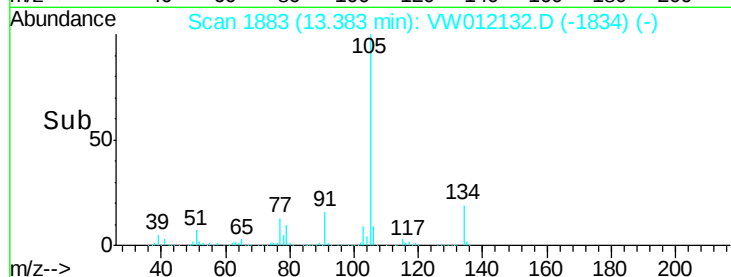
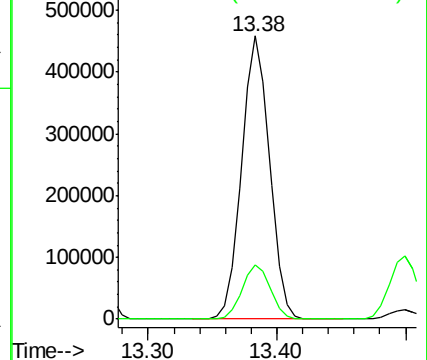
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.423 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

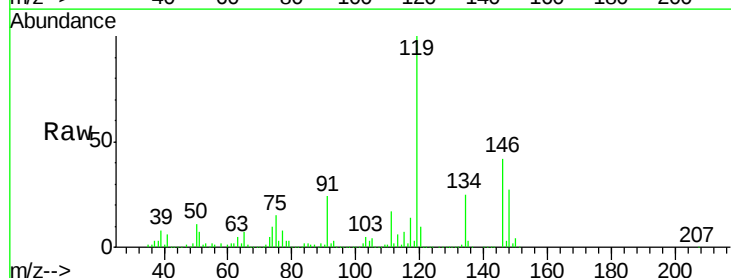
Tgt Ion:119 Resp: 613026

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

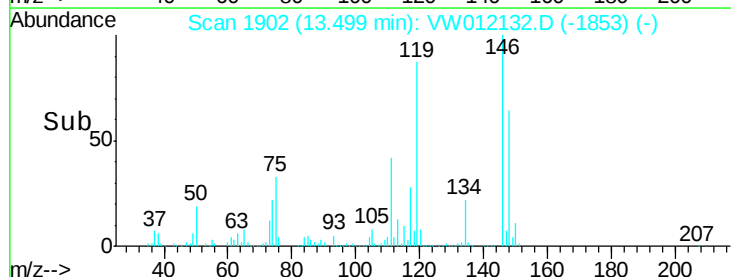
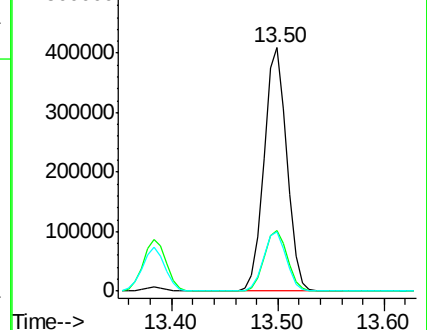
91 24.5 12.3 36.9

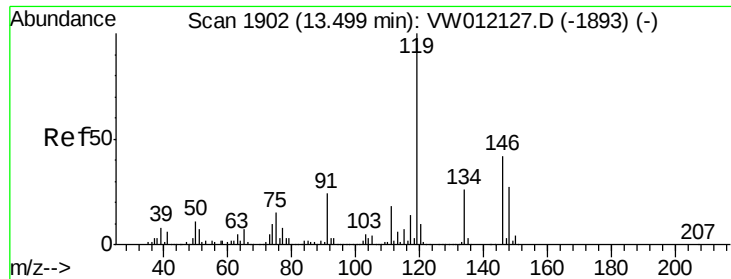


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





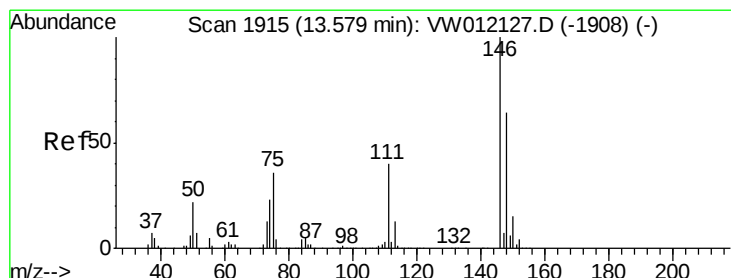
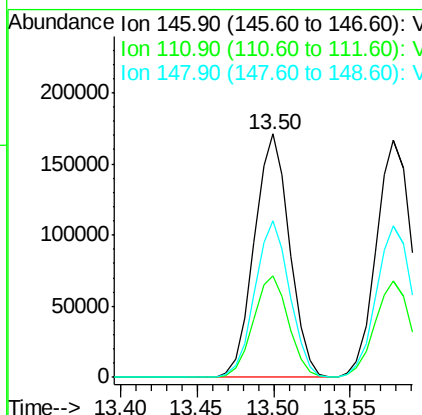
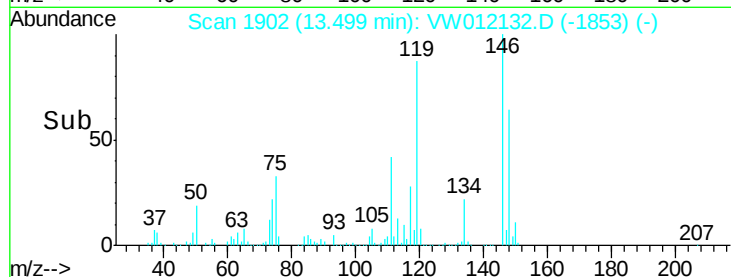
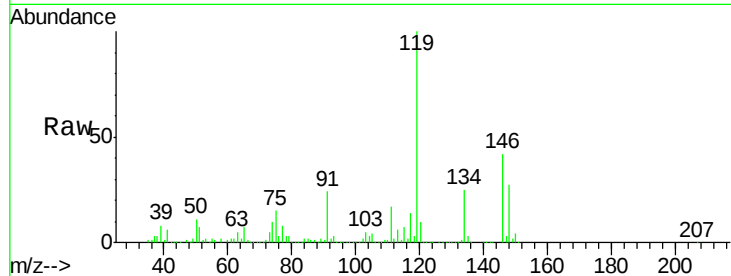
#87
 1,3-Dichlorobenzene
 Concen: 49.289 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	274542		
111	41.6	20.9	62.7	
148	63.4	32.2	96.6	

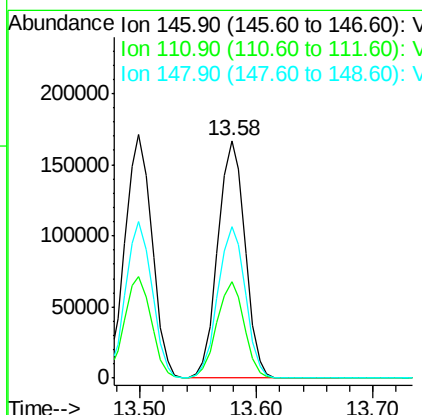
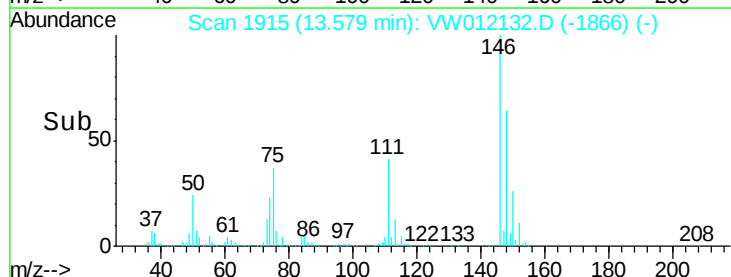
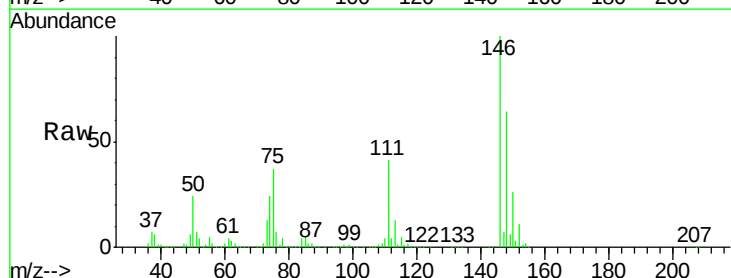
Manual Integrations
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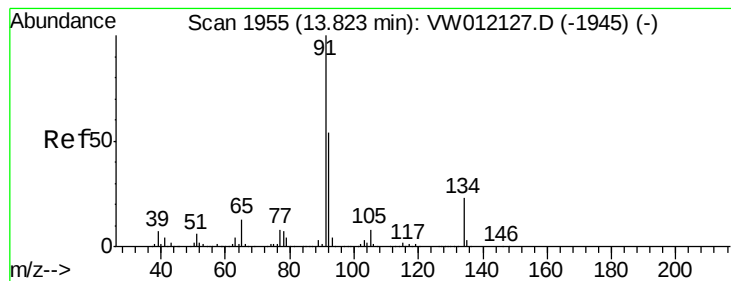
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#88
 1,4-Dichlorobenzene
 Concen: 48.701 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	269351		
111	40.7	20.0	60.0	
148	64.4	32.1	96.3	





#89

n-Butylbenzene

Concen: 52.327 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Instrument :

MSVOA_W

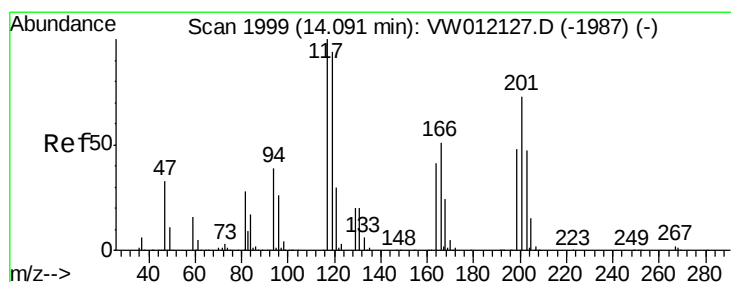
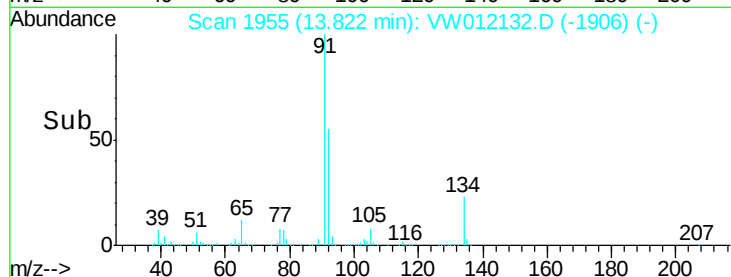
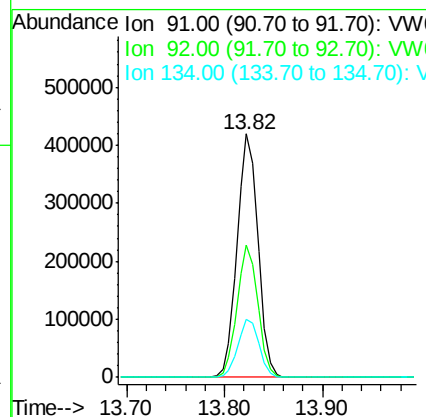
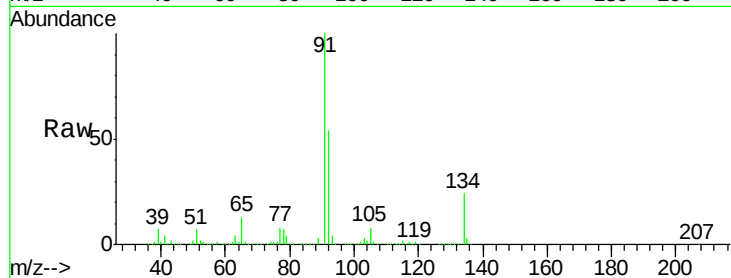
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	620327
Ion Ratio	Lower	Upper	
91	100		
92	54.0	27.1	81.2
134	24.2	12.2	36.4

Manual Integrations
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#90

Hexachloroethane

Concen: 50.832 ug/l

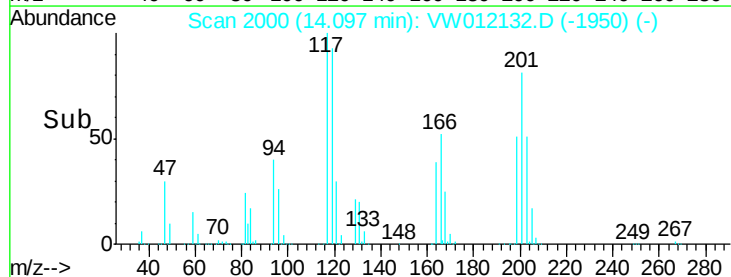
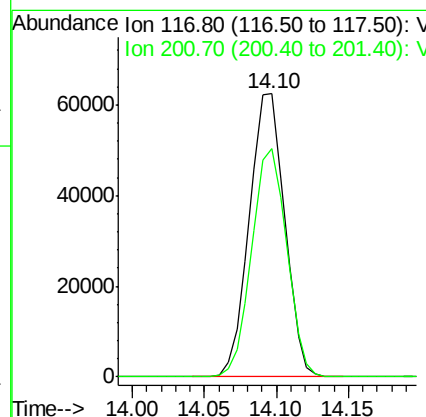
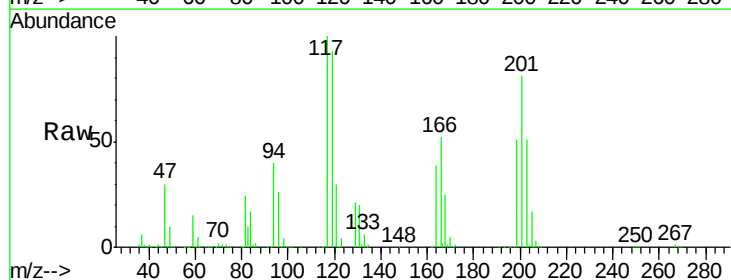
RT: 14.10 min Scan# 2000

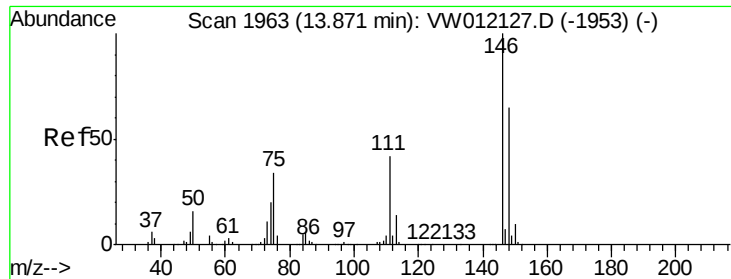
Delta R.T. 0.01 min

Lab File: VW012132.D

Acq: 23 Aug 2019 14:47

Tgt Ion:	117	Resp:	106317
Ion Ratio	Lower	Upper	
117	100		
201	79.7	38.6	115.7





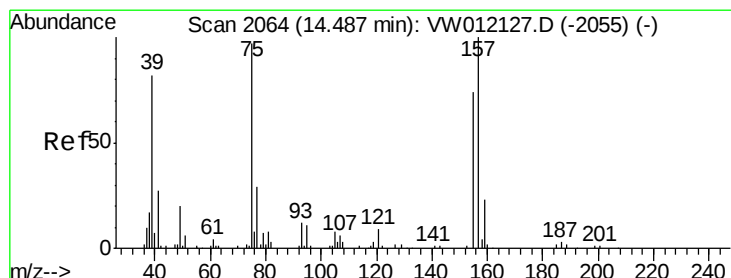
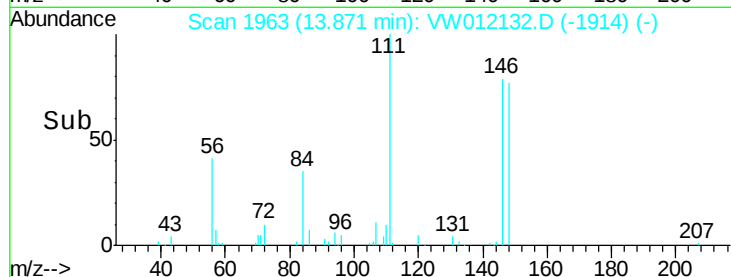
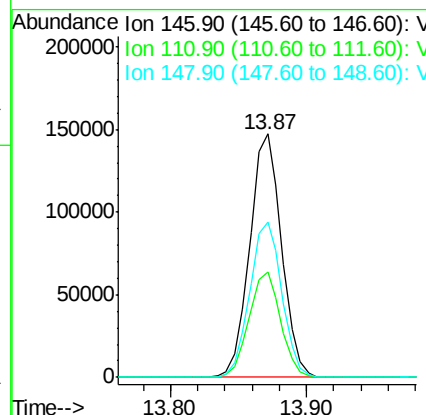
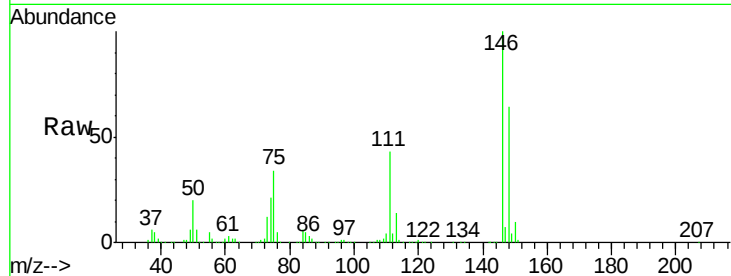
#91
 1,2-Dichlorobenzene
 Concen: 49.256 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	64.7	32.5	97.4

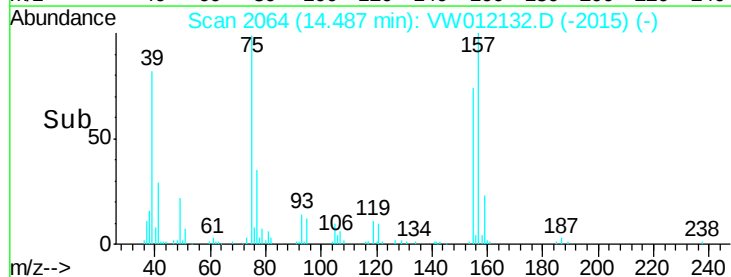
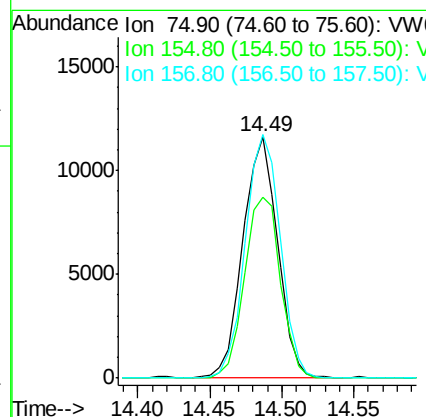
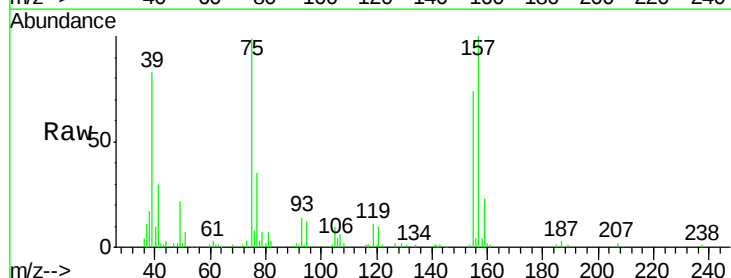
Manual Integrations
 APPROVED

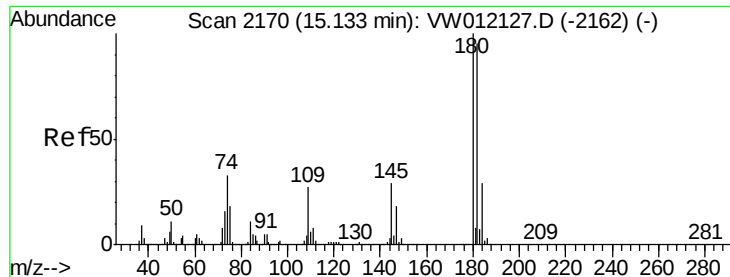
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.867 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	37.5	112.3
157	101.1	50.5	151.5





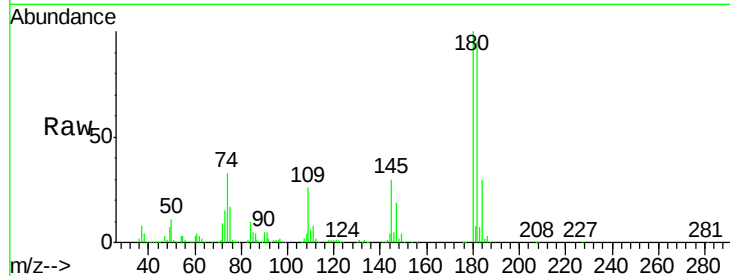
#93
 1,2,4-Trichlorobenzene
 Concen: 52.147 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

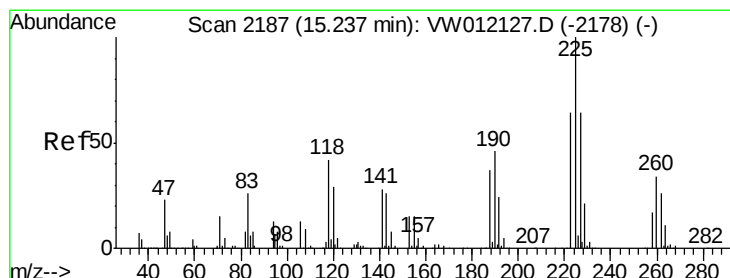
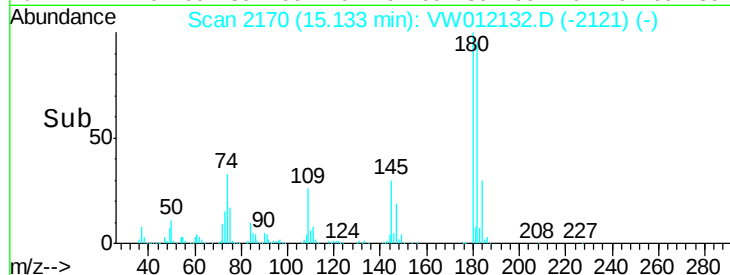
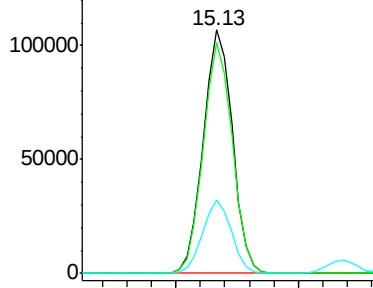
Tot Ion	Ratio	Resp	Lower	Upper
180	100	176091		
182	94.4	47.8	143.4	
145	29.8	15.0	45.1	

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:39:26 AM

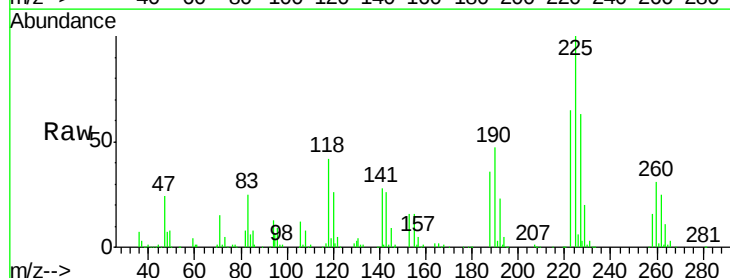


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

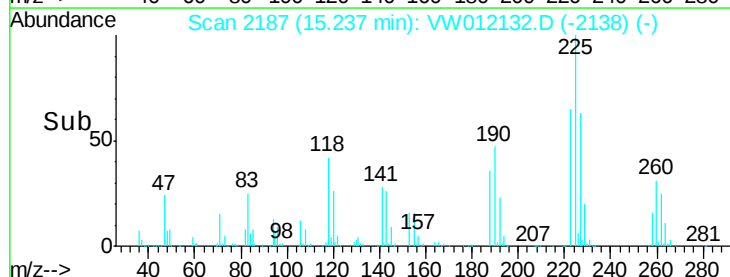
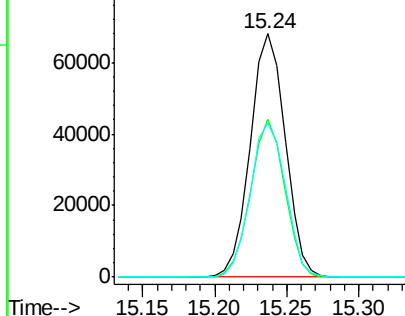


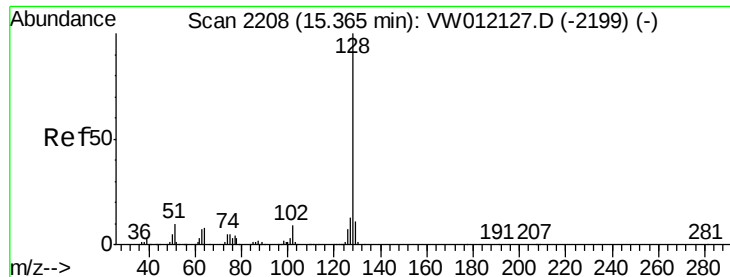
#94
 Hexachlorobutadiene
 Concen: 51.221 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012132.D
 Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114209		
223	63.3	32.3	96.8	
227	64.2	32.9	98.6	



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





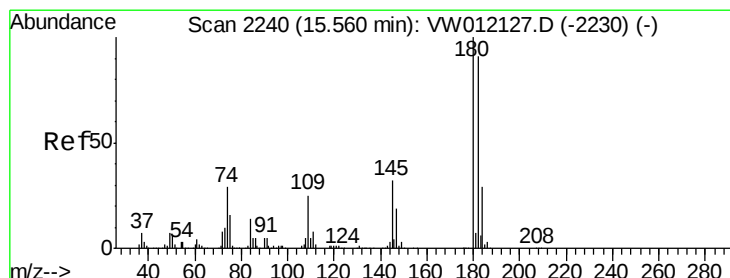
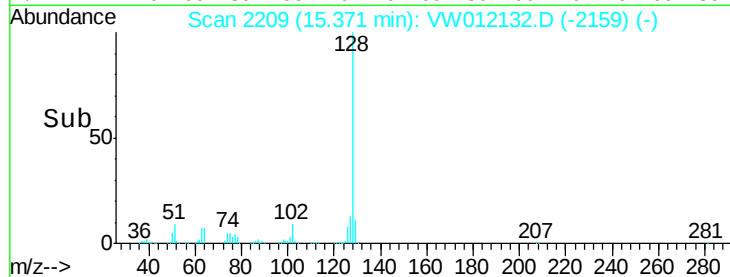
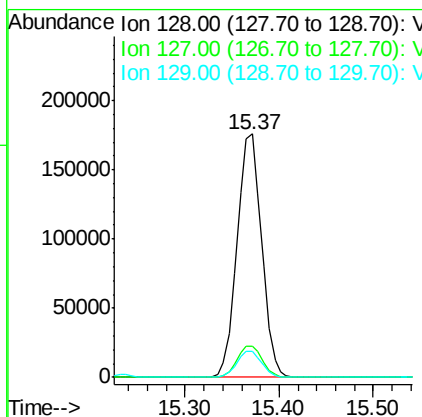
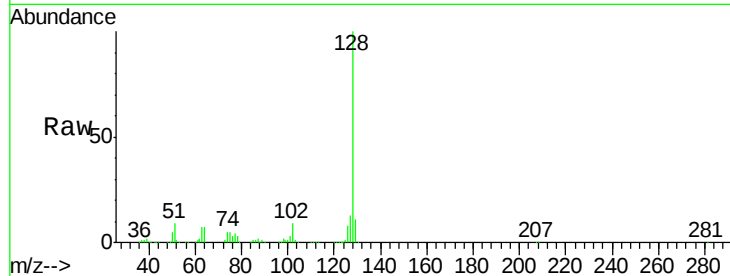
#95
Naphthalene
Concen: 48.187 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	318162		
127	13.3	10.7	16.1	
129	11.0	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.830 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012132.D
Acq: 23 Aug 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	152700		
182	94.5	47.1	141.3	
145	32.0	16.2	48.5	

