

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011816.D
 Acq On : 09 Aug 2019 16:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:43:55 PM

Quant Time: Aug 11 01:35:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137210	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	109782	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
50) Toluene-d8	10.32	98	442667	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.62	95	156309	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	68317	54.049	ug/l	96
3) Chloromethane	2.21	50	106291	48.496	ug/l	98
4) Vinyl Chloride	2.36	62	137493	52.106	ug/l	98
5) Bromomethane	2.78	94	72303	49.503	ug/l	99
6) Chloroethane	2.92	64	78490	52.074	ug/l	99
7) Trichlorofluoromethane	3.26	101	72102	61.141	ug/l	98
8) Diethyl Ether	3.68	74	67279	50.318	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	122752	54.872	ug/l	98
10) Methyl Iodide	4.27	142	164411	52.006	ug/l	98
11) Tert butyl alcohol	5.15	59	44431	229.732	ug/l	98
12) 1,1-Dichloroethene	4.04	96	126281	53.464	ug/l	95
13) Acrolein	3.89	56	44756	239.512	ug/l	99
14) Allyl chloride	4.67	41	273849	54.511	ug/l	98
15) Acrylonitrile	5.36	53	170240	255.058	ug/l	100
16) Acetone	4.12	43	200635	242.193	ug/l	98
17) Carbon Disulfide	4.38	76	384553	52.018	ug/l	99
18) Methyl Acetate	4.67	43	94050	50.537	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	194103	51.786	ug/l	96
20) Methylene Chloride	4.92	84	139957	48.987	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	134499	52.817	ug/l	99
22) Diisopropyl ether	6.31	45	496701	52.441	ug/l	99
23) Vinyl Acetate	6.25	43	1560651	262.227	ug/l	99
24) 1,1-Dichloroethane	6.21	63	271138	53.451	ug/l	99
25) 2-Butanone	7.16	43	259899	239.760	ug/l	98
26) 2,2-Dichloropropane	7.16	77	153362	49.160	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	144639	51.608	ug/l	99
28) Bromochloromethane	7.51	49	124070	55.104	ug/l	98
29) Tetrahydrofuran	7.52	42	157875	254.792	ug/l	99
30) Chloroform	7.67	83	244308	52.204	ug/l	98
31) Cyclohexane	7.96	56	252828	51.923	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	195844	54.950	ug/l	99
36) 1,1-Dichloropropene	8.08	75	206513	55.420	ug/l	99
37) Ethyl Acetate	7.25	43	110353	51.474	ug/l	98
38) Carbon Tetrachloride	8.07	117	181597	56.927	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	228695	55.737	ug/l	97
40) Benzene	8.32	78	560394	53.690	ug/l	99
41) Methacrylonitrile	7.48	41	69033	53.867	ug/l	94
42) 1,2-Dichloroethane	8.40	62	175577	53.728	ug/l	100
43) Isopropyl Acetate	8.42	43	209164	53.051	ug/l	99
44) Trichloroethene	9.09	130	136046	54.230	ug/l	97
45) 1,2-Dichloropropane	9.37	63	149914	53.679	ug/l	100
46) Dibromomethane	9.46	93	67947	53.306	ug/l	98
47) Bromodichloromethane	9.65	83	181662	54.331	ug/l	100
48) Methyl methacrylate	9.43	41	100570	53.101	ug/l	98
49) 1,4-Dioxane	9.45	88	18953	1026.906	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	540285	263.451	ug/l	100
52) Toluene	10.39	92	339237	53.819	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	188544	53.981	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	224327	54.017	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	95259	52.671	ug/l	98
56) Ethyl methacrylate	10.65	69	141550	53.486	ug/l	98
57) 1,3-Dichloropropane	10.93	76	179828	52.556	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	350813	291.950	ug/l	100
59) 2-Hexanone	10.97	43	385247	266.055	ug/l	100
60) Dibromochloromethane	11.13	129	107448	53.522	ug/l	100
61) 1,2-Dibromoethane	11.24	107	88018	51.427	ug/l	98
64) Tetrachloroethene	10.86	164	109418	53.713	ug/l	97
65) Chlorobenzene	11.66	112	336912	53.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	120357	54.934	ug/l	99
67) Ethyl Benzene	11.73	91	664360	55.458	ug/l	99
68) m/p-Xylenes	11.84	106	475246	109.086	ug/l	99
69) o-Xylene	12.16	106	221970	54.829	ug/l	99
70) Styrene	12.18	104	385628	55.092	ug/l	100
71) Bromoform	12.35	173	60574	54.225	ug/l #	99
73) Isopropylbenzene	12.46	105	622123	54.604	ug/l	99
74) N-amyl acetate	12.27	43	193369	54.210	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	111703	52.122	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	79708m	49.325	ug/l	
77) Bromobenzene	12.75	156	134229	53.302	ug/l	99
78) n-propylbenzene	12.80	91	762466	54.989	ug/l	99
79) 2-Chlorotoluene	12.89	91	431513	54.019	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	525040	54.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38617	55.074	ug/l	97
82) 4-Chlorotoluene	12.99	91	446675	53.295	ug/l	100
83) tert-Butylbenzene	13.21	119	441676	55.302	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	522484	54.308	ug/l	99
85) sec-Butylbenzene	13.38	105	629722	55.259	ug/l	100
86) p-Isopropyltoluene	13.50	119	569147	55.045	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	260683	52.793	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	258401	52.606	ug/l	100
89) n-Butylbenzene	13.82	91	570483	55.288	ug/l	100
90) Hexachloroethane	14.10	117	99475	54.407	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	229315	52.508	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19438	53.189	ug/l	97

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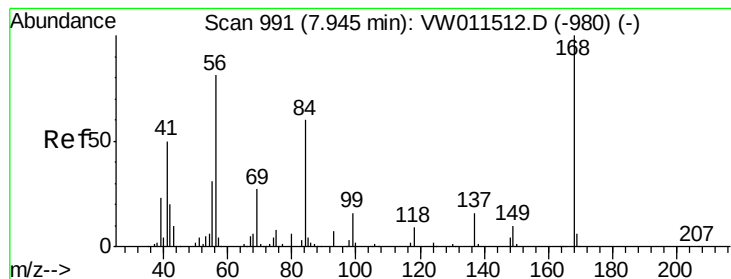
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	161226	52.381	ug/l	99
94) Hexachlorobutadiene	15.24	225	104291	54.334	ug/l	98
95) Naphthalene	15.37	128	295449	49.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	141150	52.317	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 226797

Ion Ratio Lower Upper

168 100

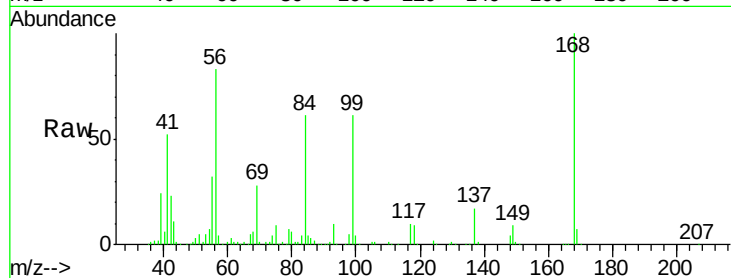
99 61.1 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

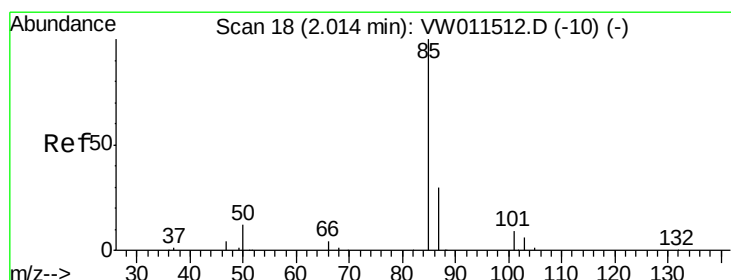
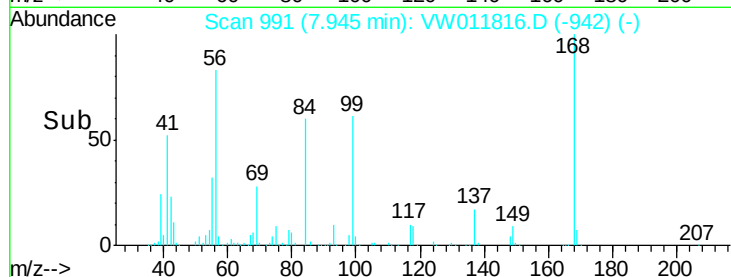
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 54.049 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011816.D

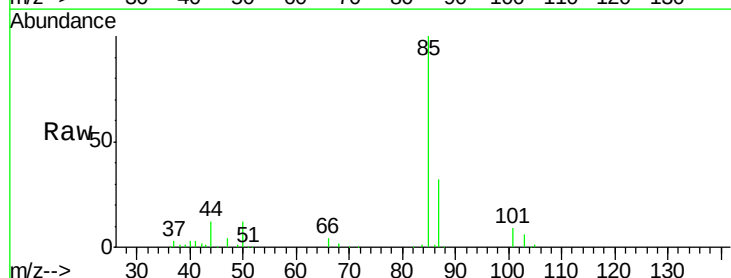
Acq: 09 Aug 2019 16:50

Tgt Ion: 85 Resp: 68317

Ion Ratio Lower Upper

85 100

87 32.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

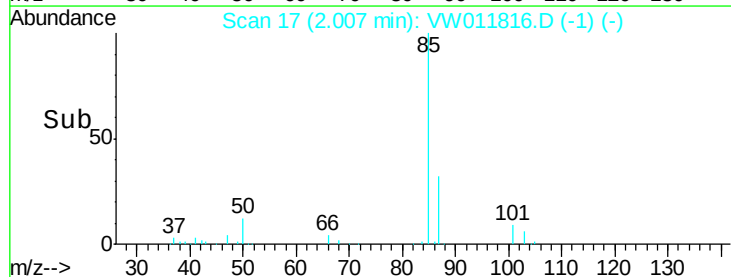
15000

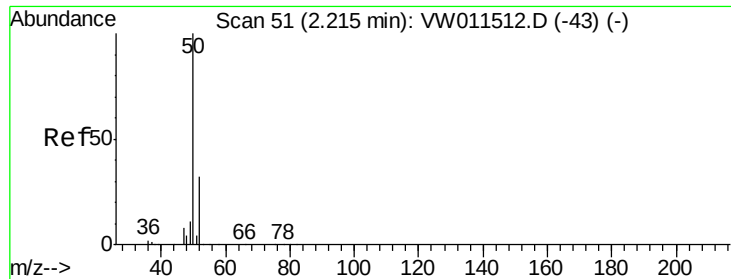
10000

5000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 48.496 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 106291

Ion Ratio Lower Upper

50 100

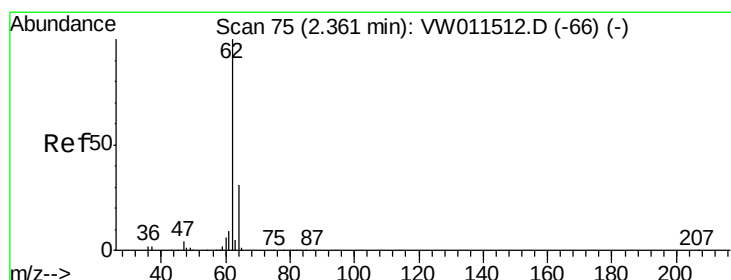
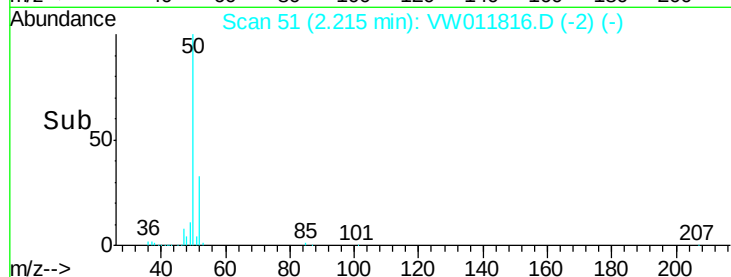
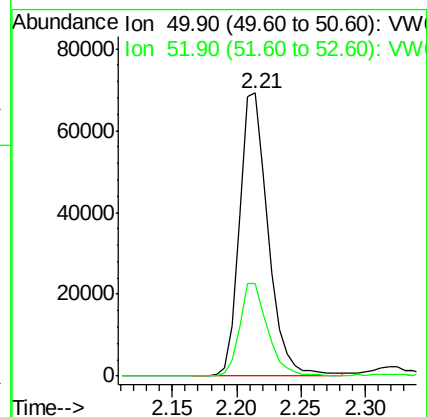
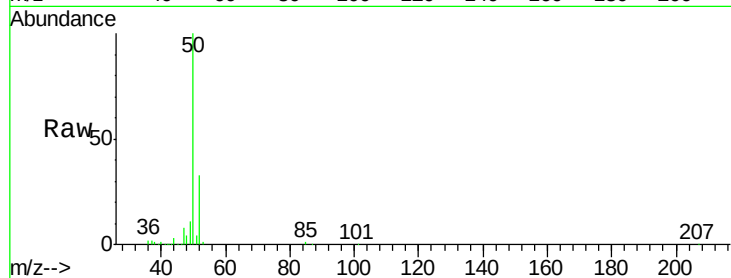
52 33.0 25.4 38.2

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#4

Vinyl Chloride

Concen: 52.106 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011816.D

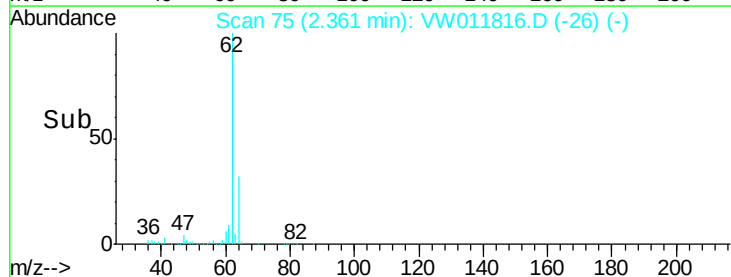
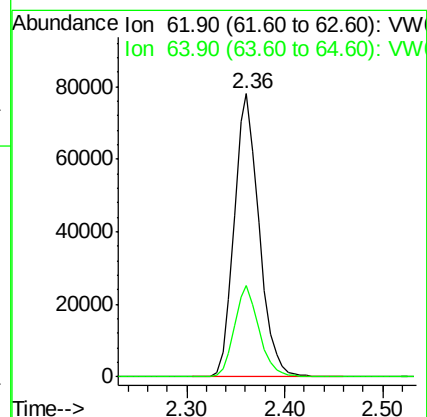
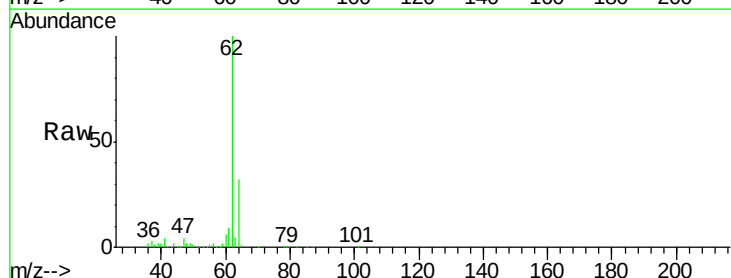
Acq: 09 Aug 2019 16:50

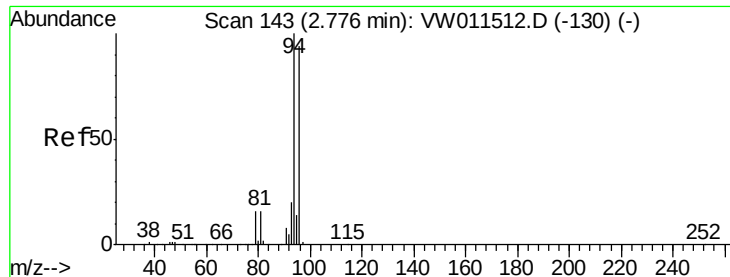
Tgt Ion: 62 Resp: 137493

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 49.503 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 72303

Ion Ratio Lower Upper

94 100

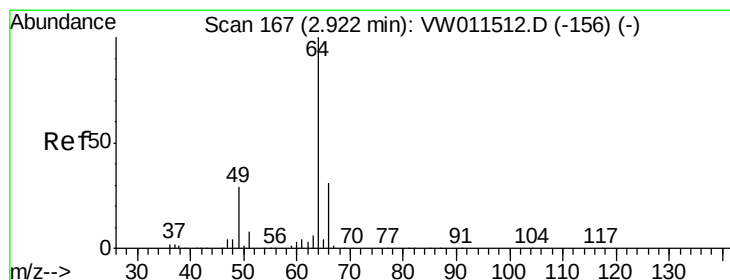
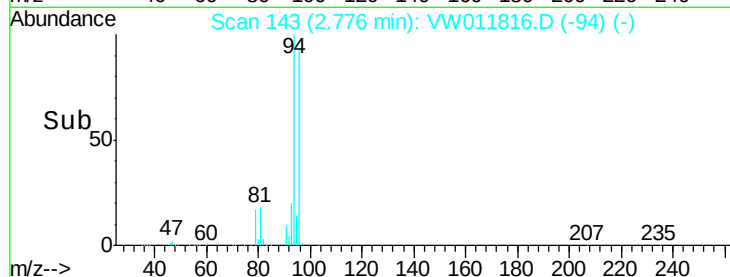
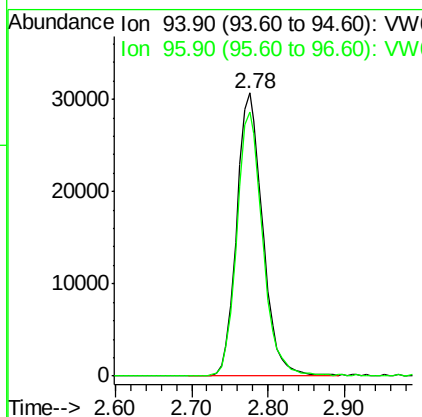
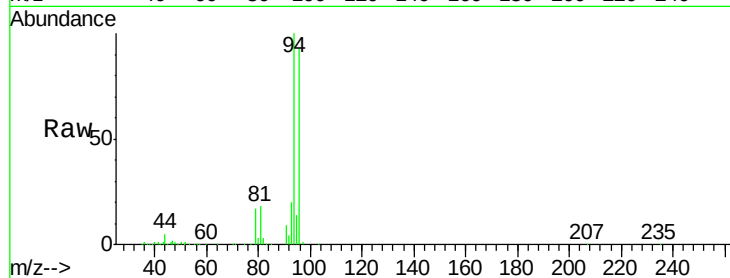
96 93.1 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 52.074 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011816.D

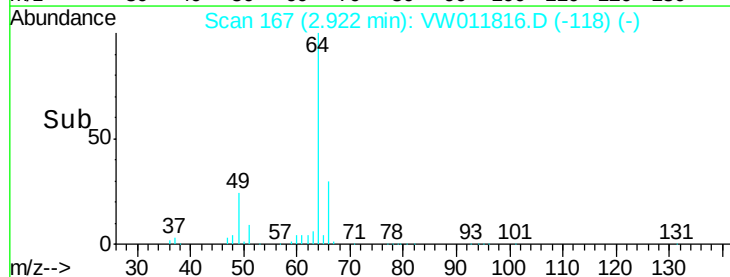
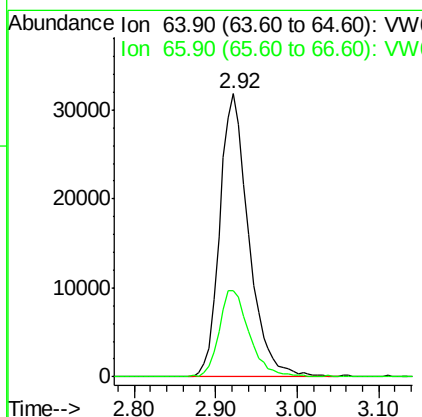
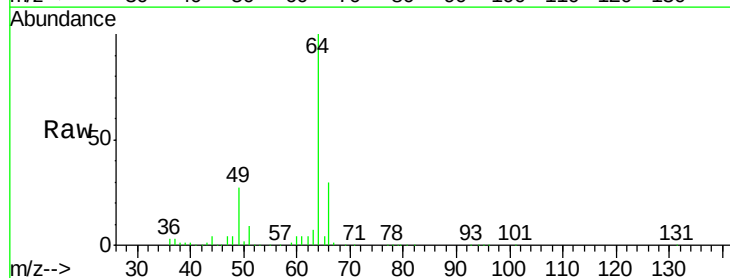
Acq: 09 Aug 2019 16:50

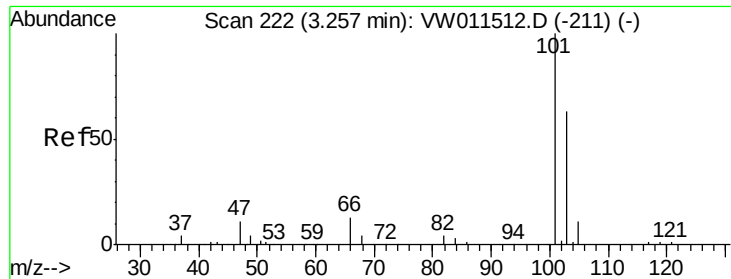
Tgt Ion: 64 Resp: 78490

Ion Ratio Lower Upper

64 100

66 30.1 24.6 36.8





#7

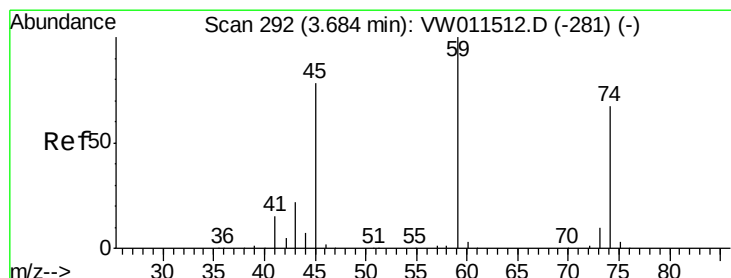
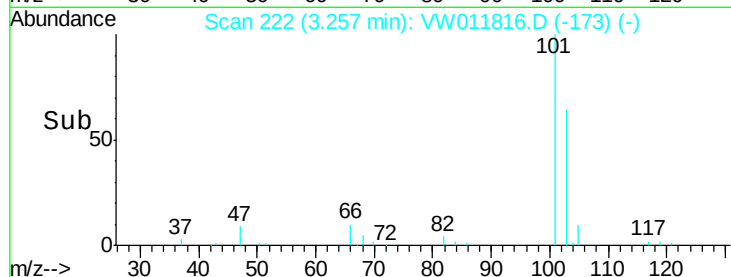
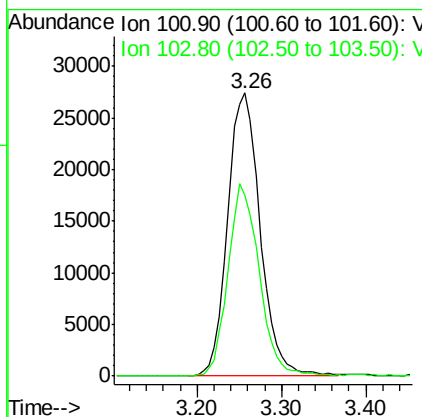
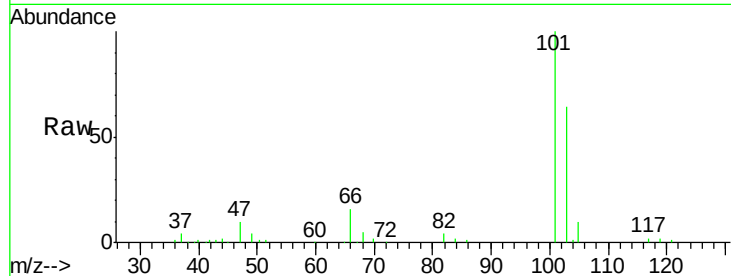
Trichlorofluoromethane
 Concen: 61.141 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.2	75.4

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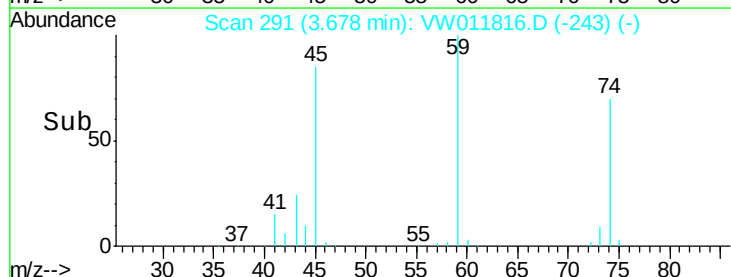
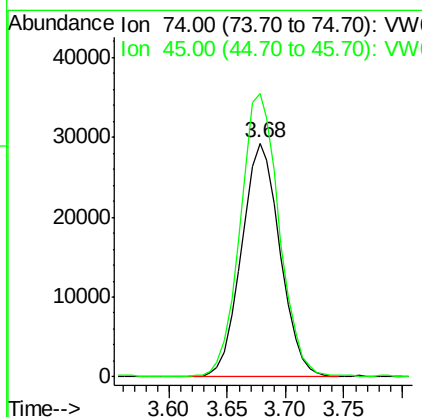
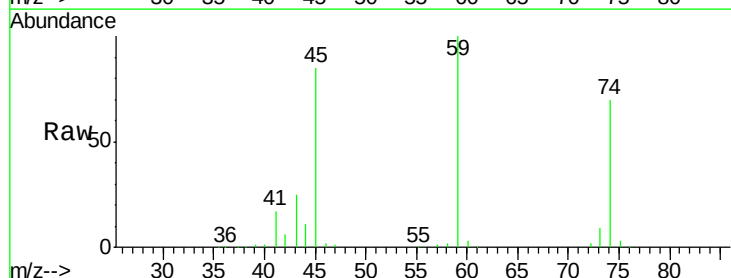
MMDadoda
 8/13/2019 2:43:55 PM

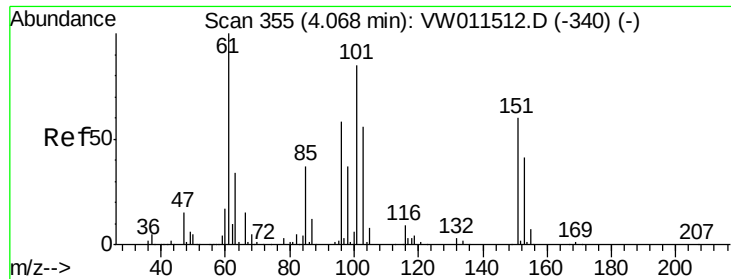


#8

Diethyl Ether
 Concen: 50.318 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.3	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.872 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

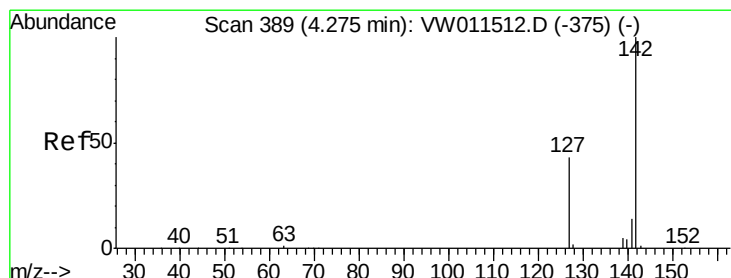
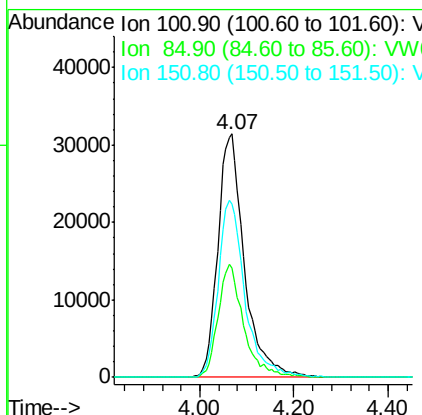
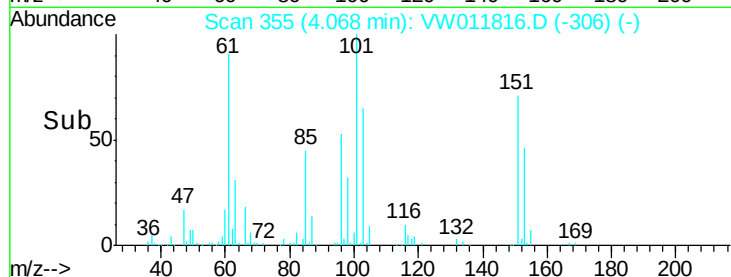
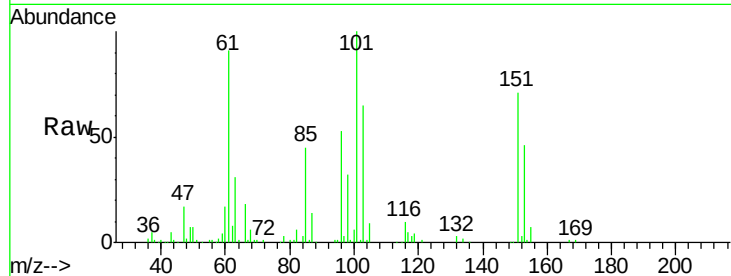
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	122752
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	54.8
151	73.1	60.2	90.2

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#10

Methyl Iodide

Concen: 52.006 ug/l

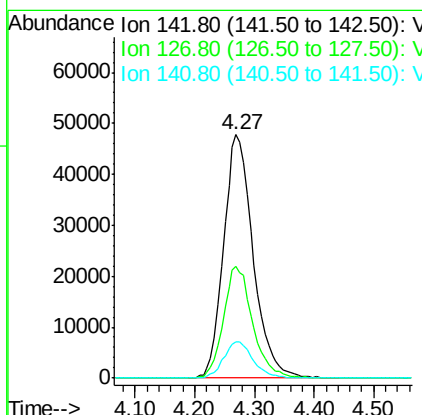
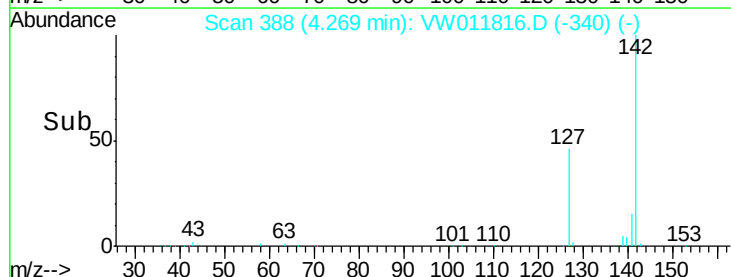
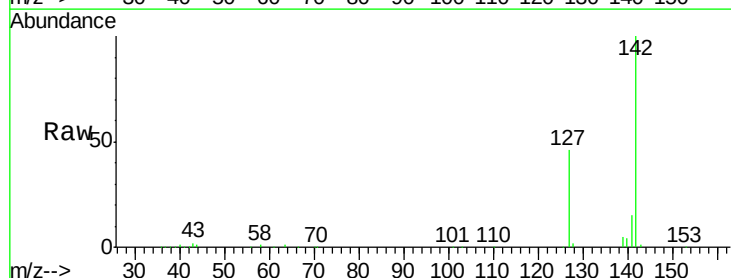
RT: 4.27 min Scan# 388

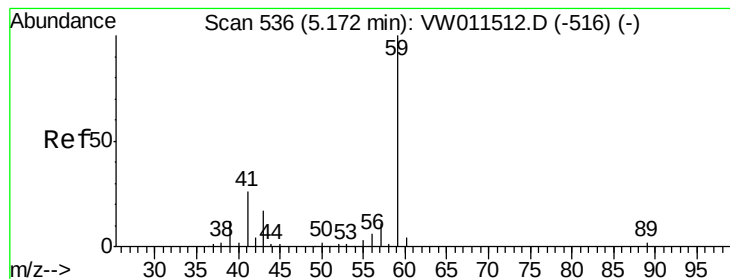
Delta R.T. -0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion:	142	Resp:	164411
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.0	52.6
141	15.0	11.9	17.9





#11

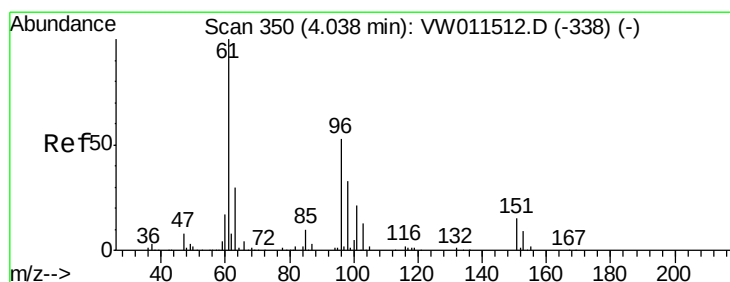
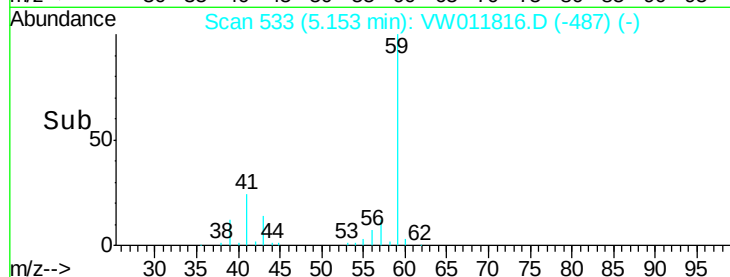
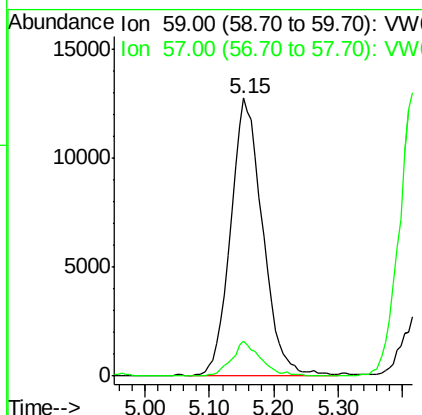
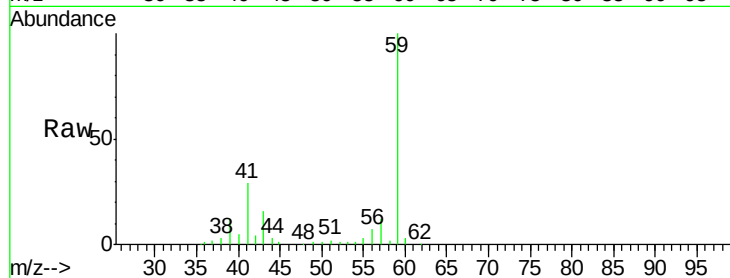
Tert butyl alcohol
 Concen: 229.732 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.5	12.7

Manual Integrations
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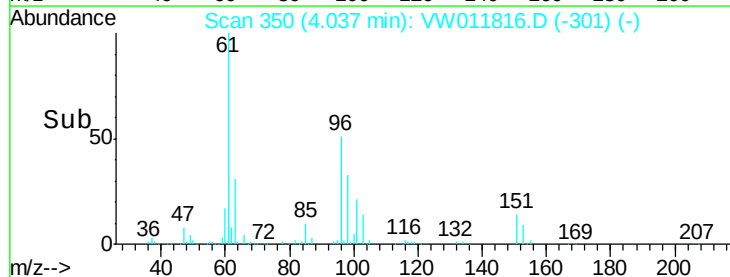
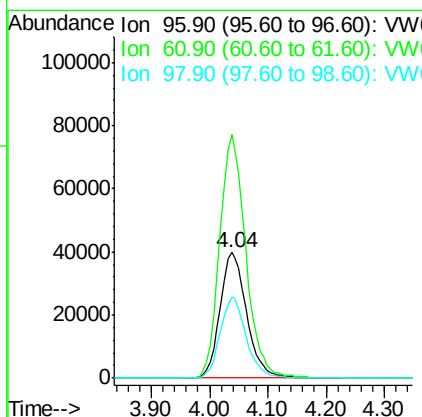
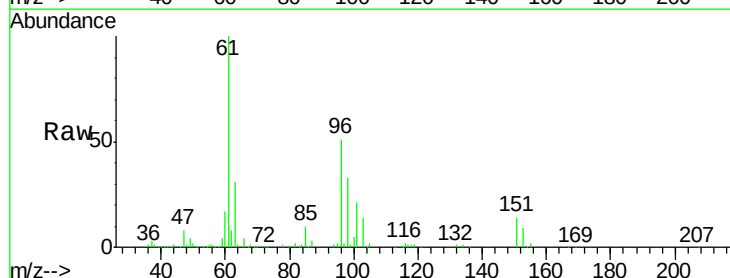
MMDadoda
 8/13/2019 2:43:55 PM

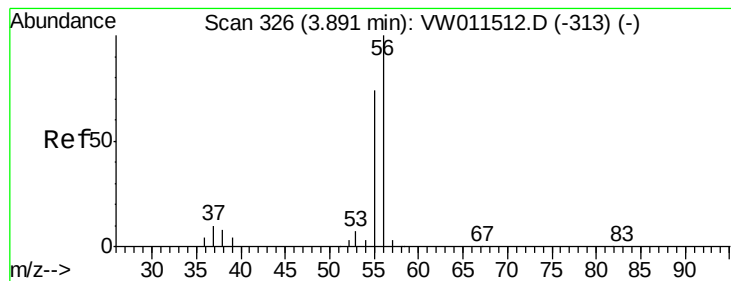


#12

1,1-Dichloroethene
 Concen: 53.464 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.3	149.9	224.9
98	65.1	49.1	73.7





#13

Acrolein

Concen: 239.512 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 44756

Ion Ratio Lower Upper

56 100

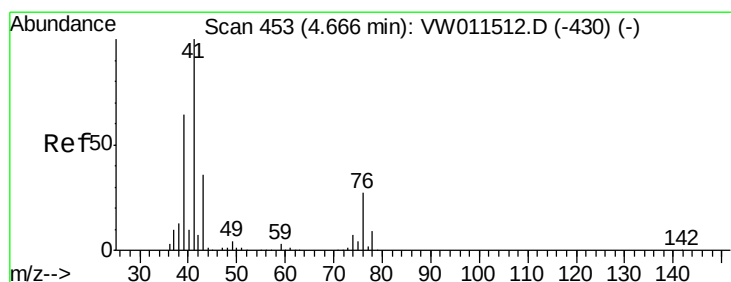
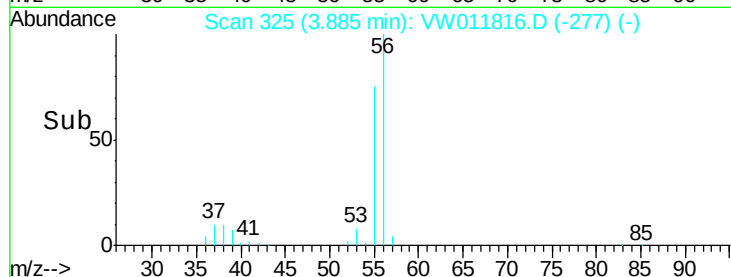
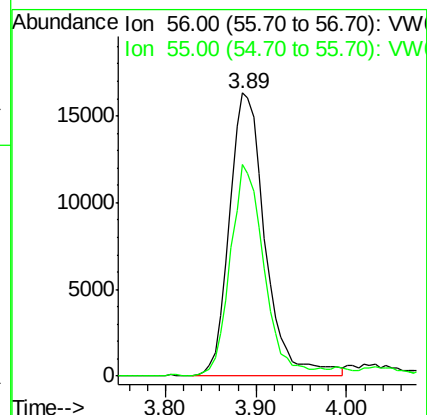
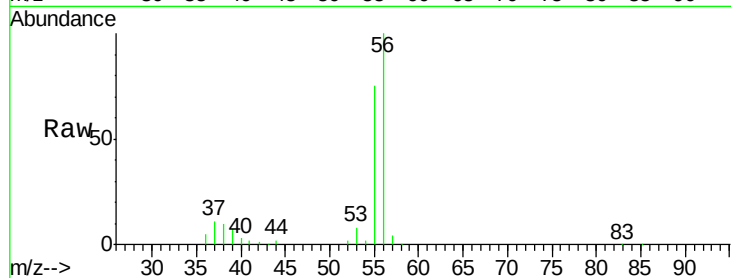
55 70.6 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 54.511 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

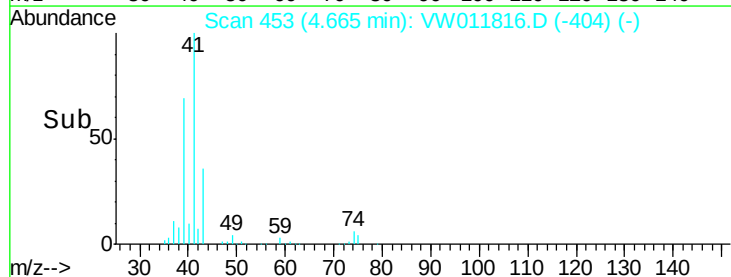
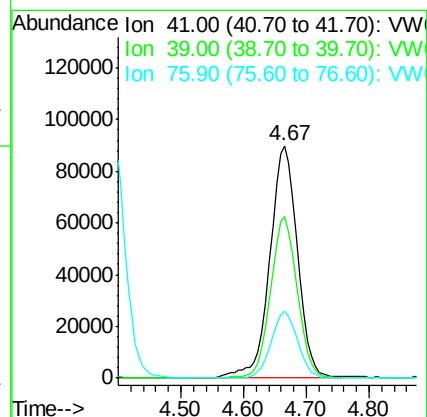
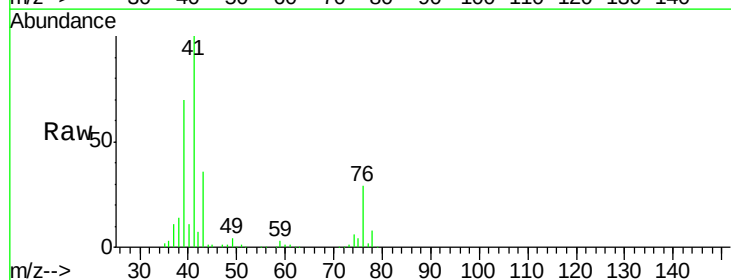
Tgt Ion: 41 Resp: 273849

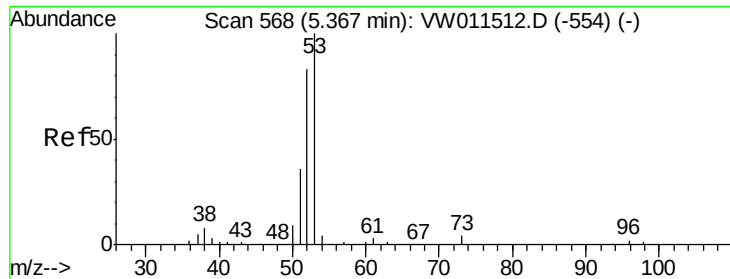
Ion Ratio Lower Upper

41 100

39 67.7 52.6 78.8

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 255.058 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

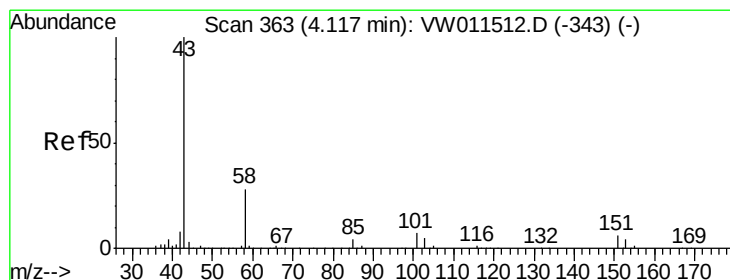
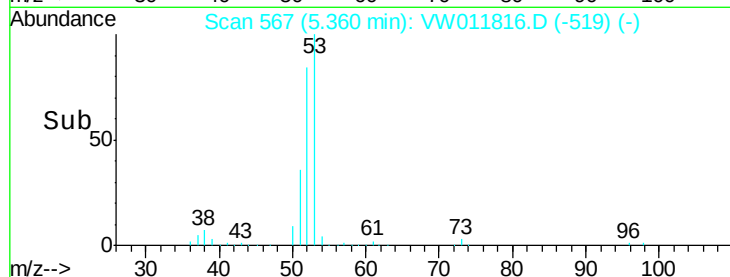
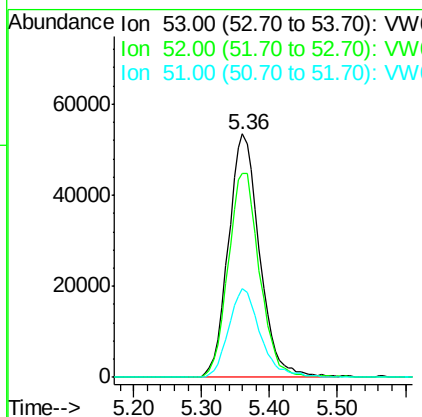
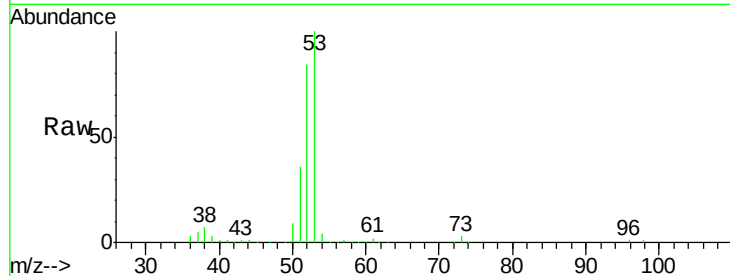
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	170240
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.2	100.8
51	37.1	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 242.193 ug/l

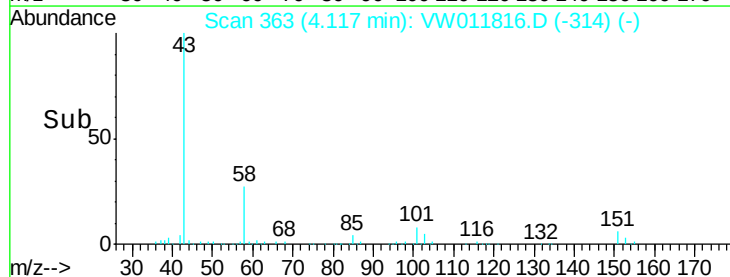
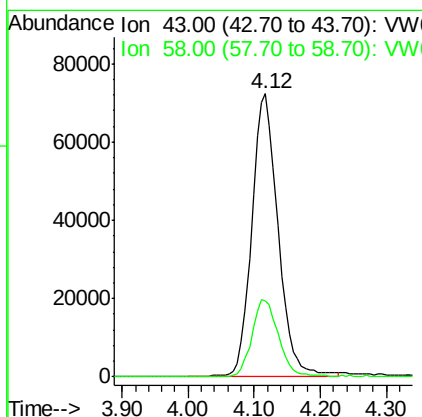
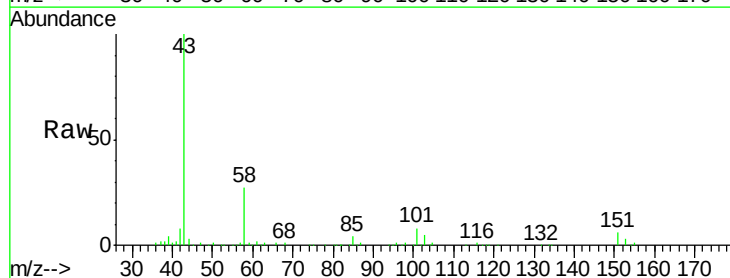
RT: 4.12 min Scan# 363

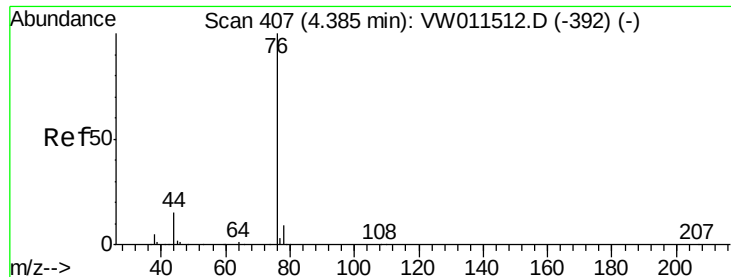
Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion:	43	Resp:	200635
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.3	33.5





#17

Carbon Disulfide

Concen: 52.018 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 384553

Ion Ratio Lower Upper

76 100

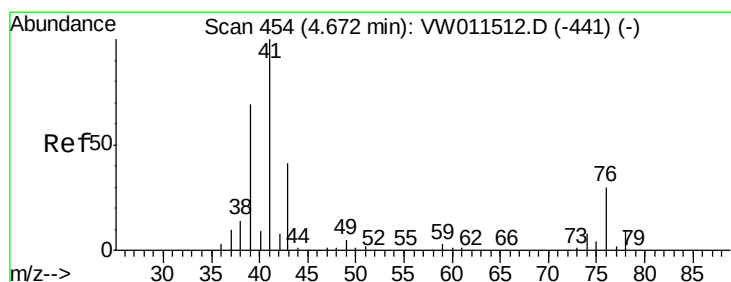
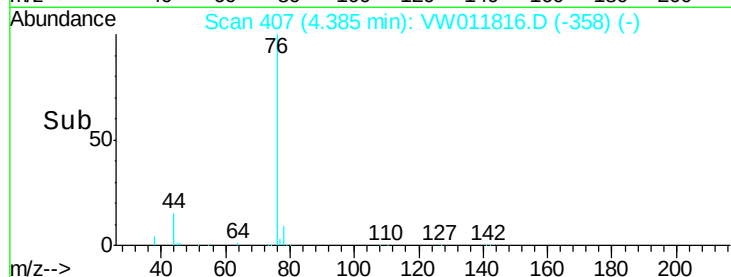
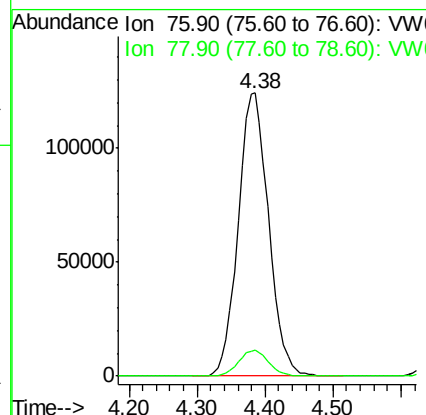
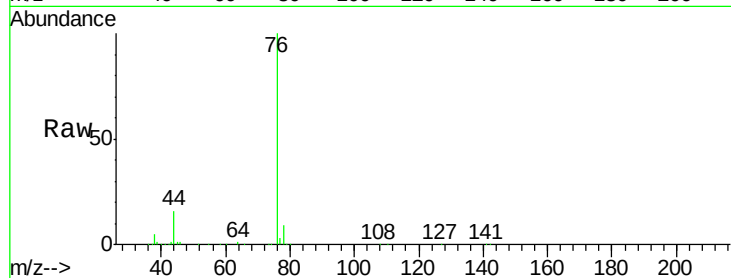
78 9.1 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 50.537 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011816.D

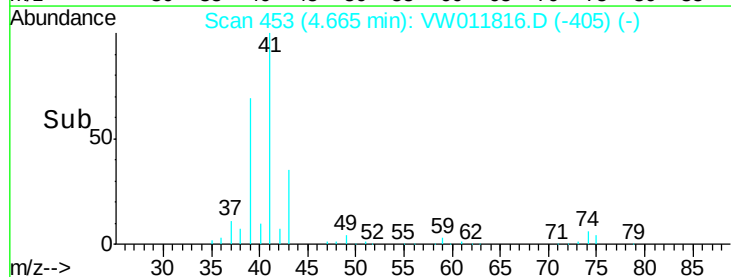
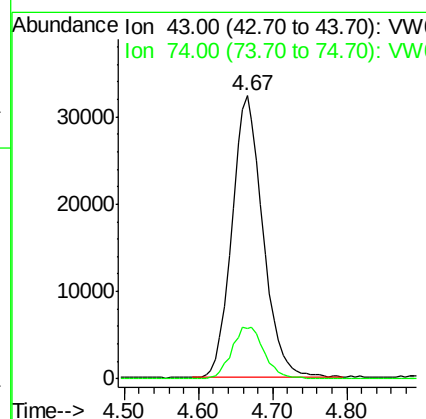
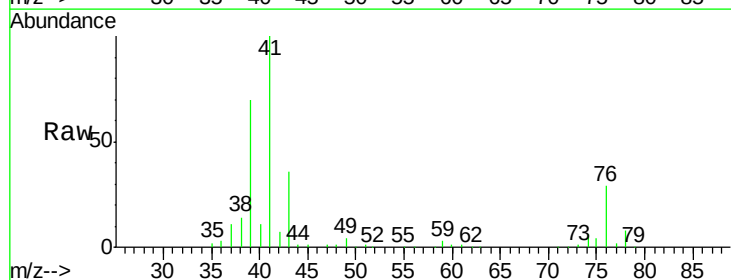
Acq: 09 Aug 2019 16:50

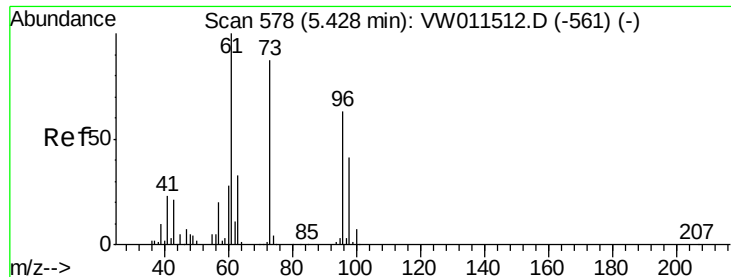
Tgt Ion: 43 Resp: 94050

Ion Ratio Lower Upper

43 100

74 19.2 15.9 23.9





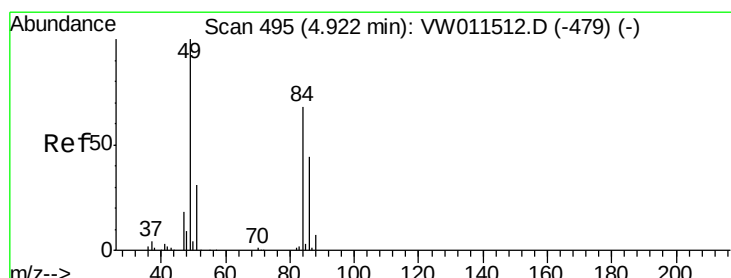
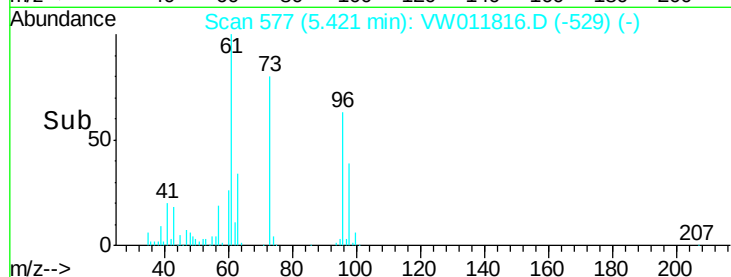
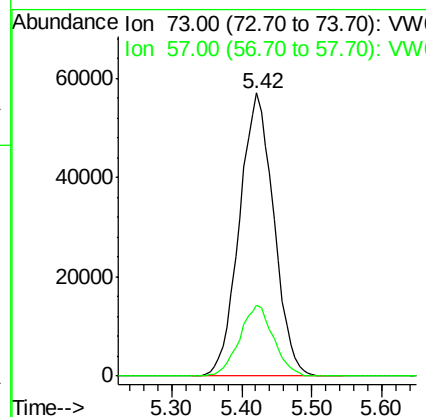
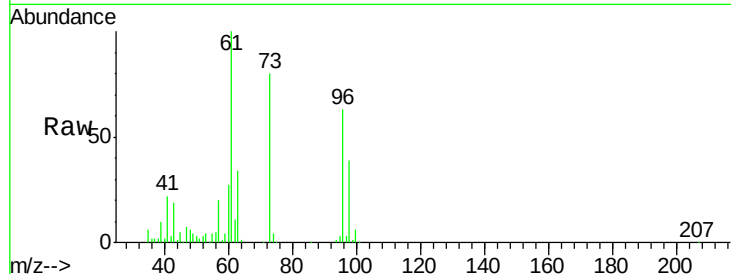
#19
Methyl tert-butyl Ether
Concen: 51.786 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 194103
Ion Ratio Lower Upper
73 100
57 25.1 18.4 27.6

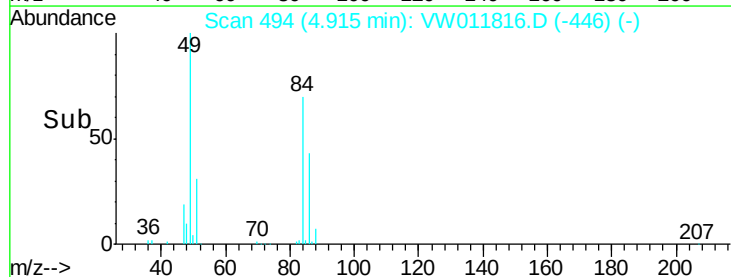
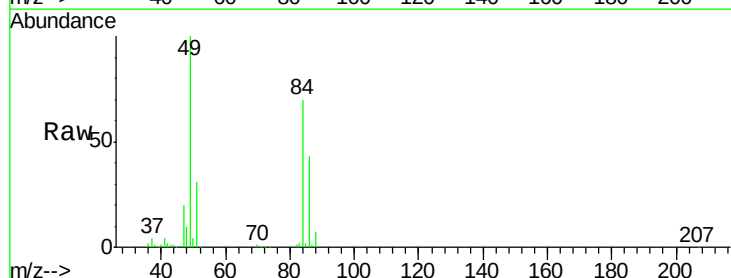
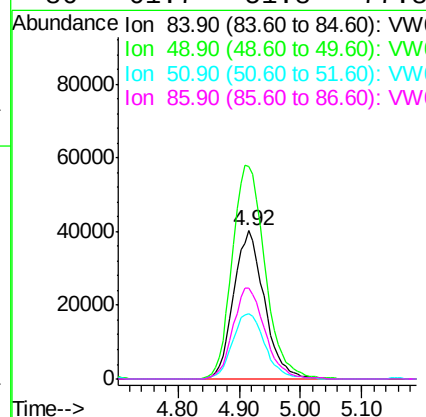
Manual Integrations
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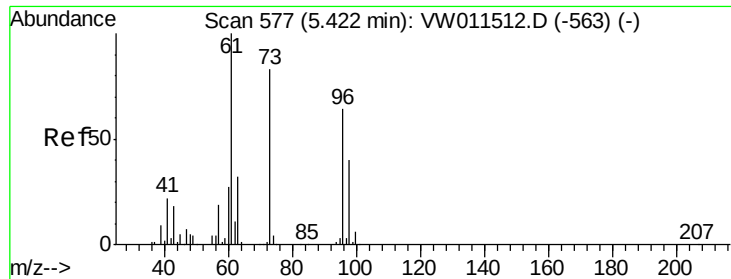
MMDadoda
8/13/2019 2:43:55 PM



#20
Methylene Chloride
Concen: 48.987 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion: 84 Resp: 139957
Ion Ratio Lower Upper
84 100
49 143.3 117.8 176.6
51 44.2 37.0 55.4
86 61.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 52.817 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 134499

Ion Ratio Lower Upper

96 100

61 158.7 125.7 188.5

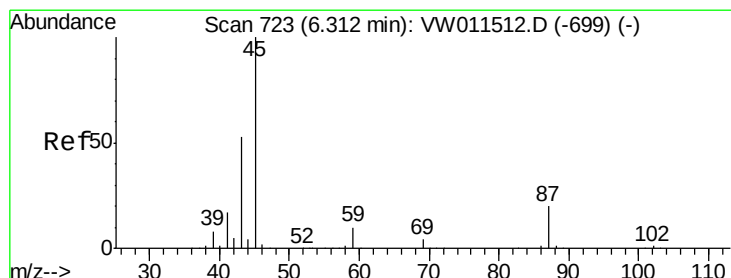
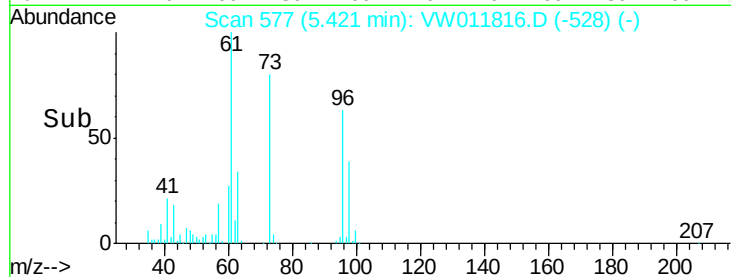
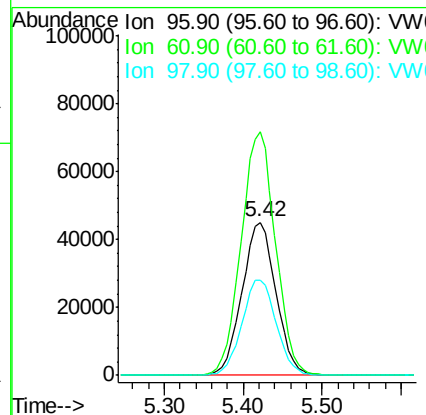
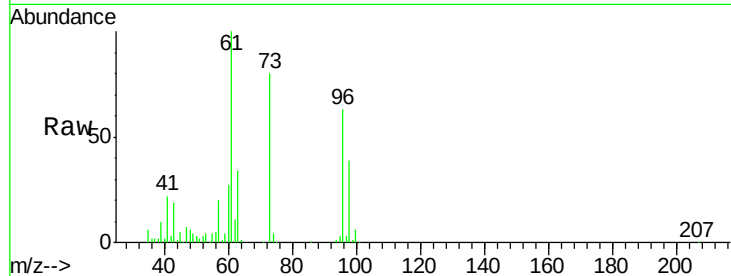
98 62.0 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.441 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion: 45 Resp: 496701

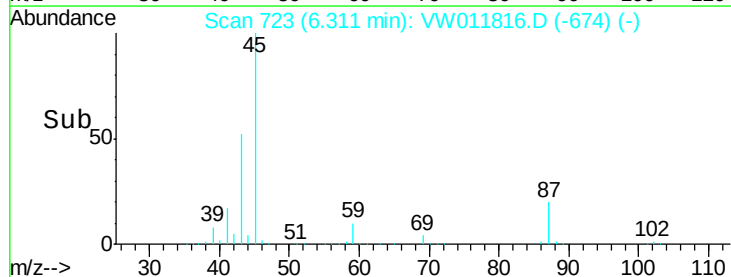
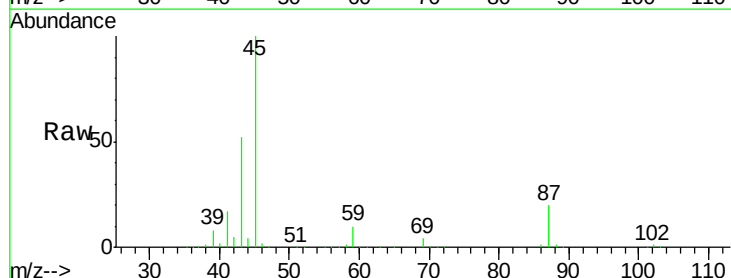
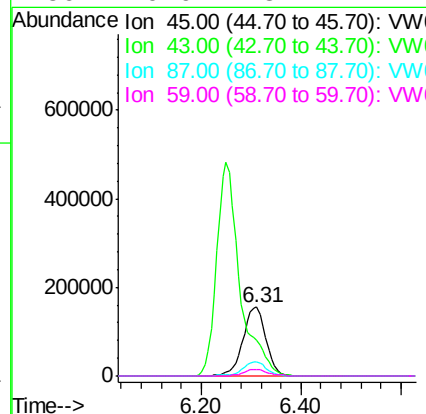
Ion Ratio Lower Upper

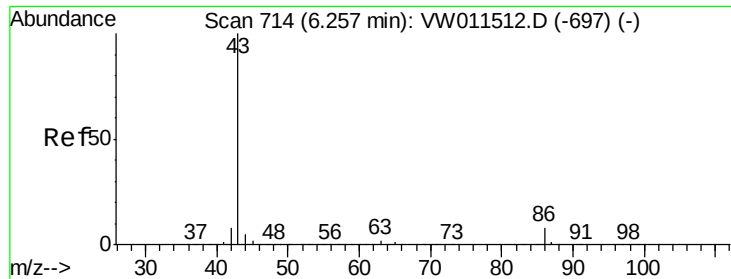
45 100

43 52.1 42.6 63.8

87 20.3 16.4 24.6

59 9.9 8.2 12.2





#23

Vinyl Acetate

Concen: 262.227 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1560651

Ion Ratio Lower Upper

43 100

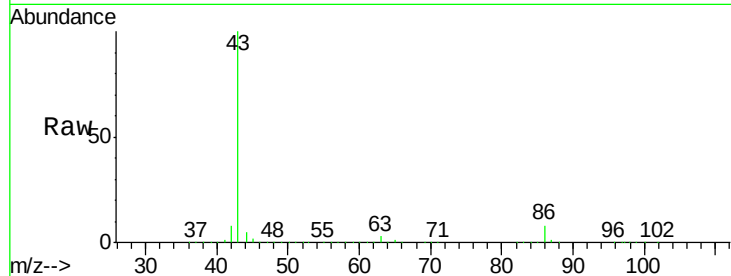
86 7.7 6.5 9.7

Manual Integrations

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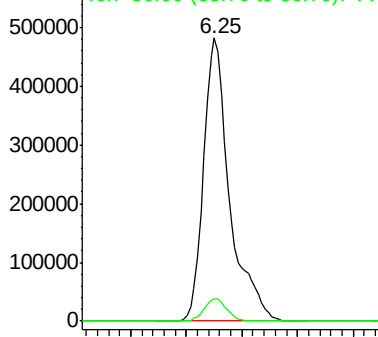
MMDadoda

8/13/2019 2:43:55 PM

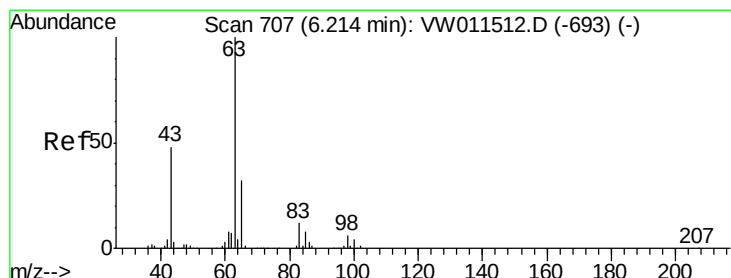
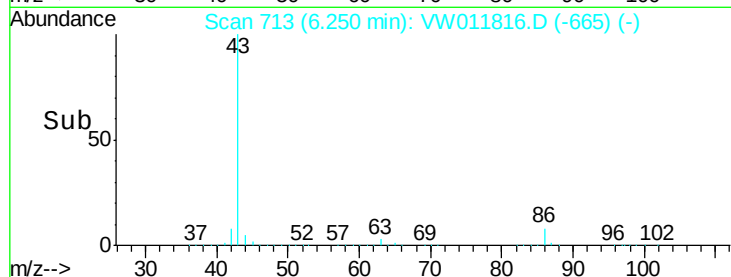


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 53.451 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

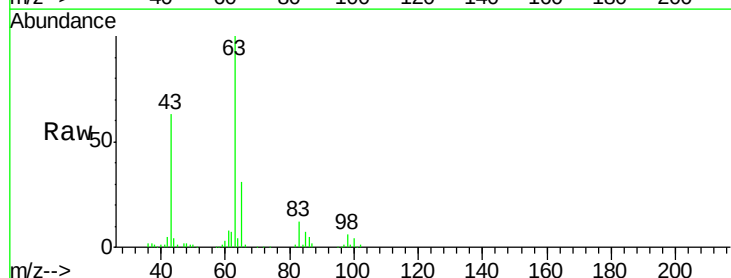
Tgt Ion: 63 Resp: 271138

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

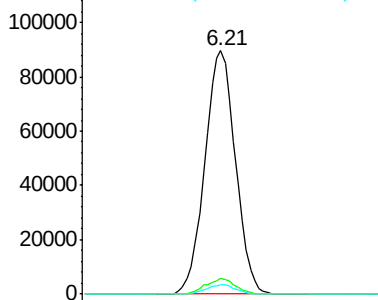
100 3.8 2.1 6.3



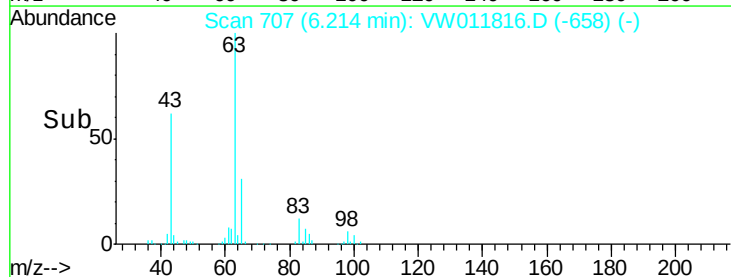
Abundance Ion 62.90 (62.60 to 63.60): VW

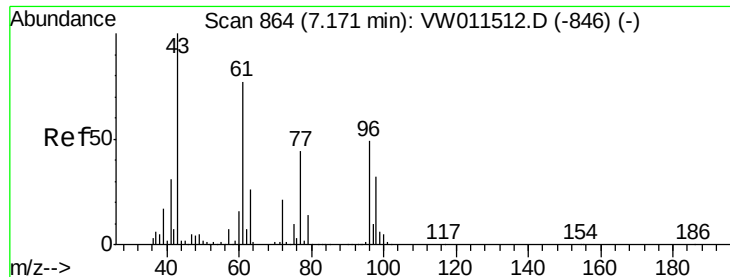
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 239.760 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 259899

Ion Ratio Lower Upper

43 100

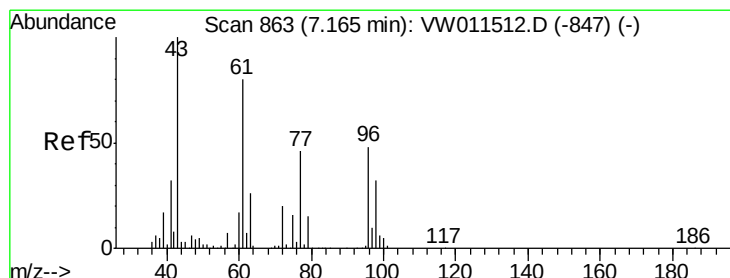
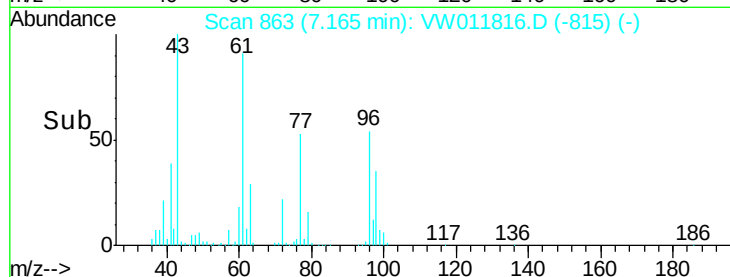
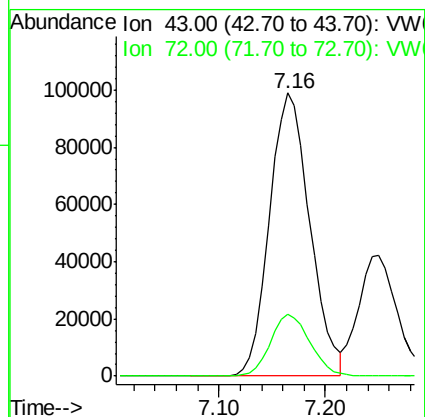
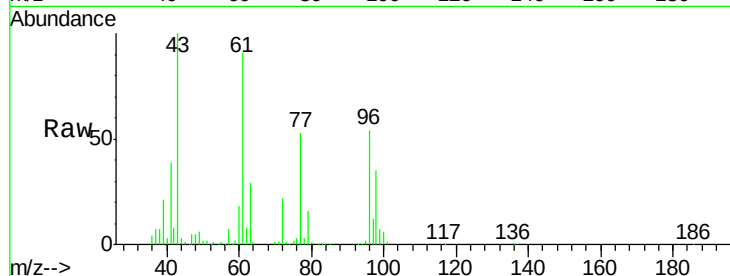
72 21.8 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

8/13/2019 2:43:55 PM



#26

2,2-Dichloropropane

Concen: 49.160 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011816.D

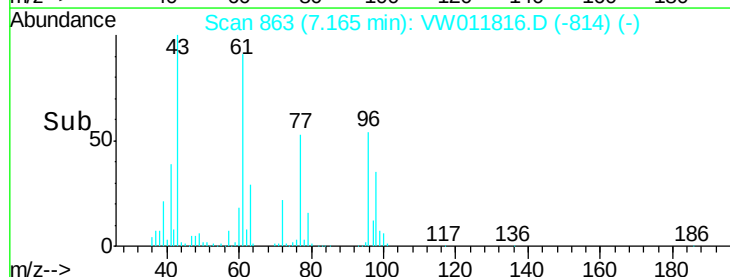
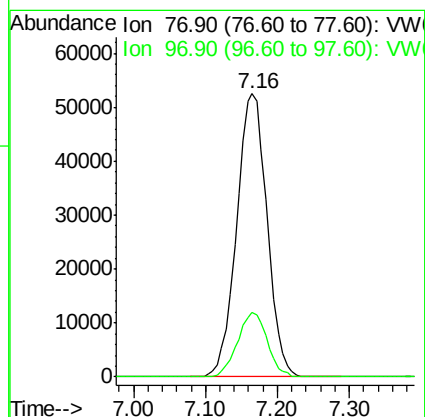
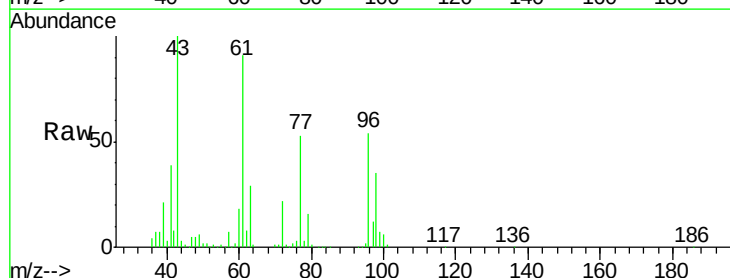
Acq: 09 Aug 2019 16:50

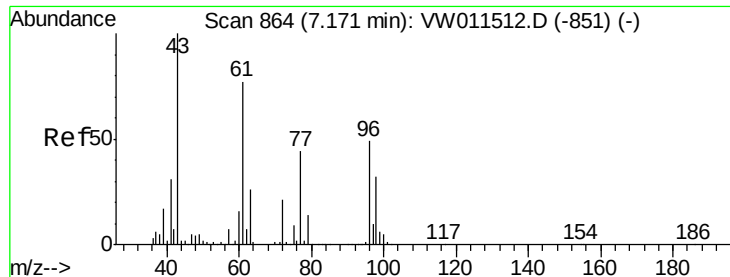
Tgt Ion: 77 Resp: 153362

Ion Ratio Lower Upper

77 100

97 22.3 10.8 32.4





#27

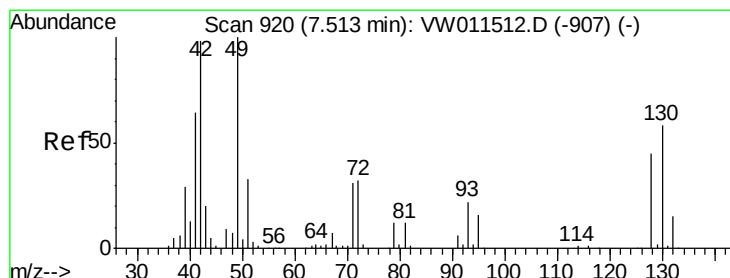
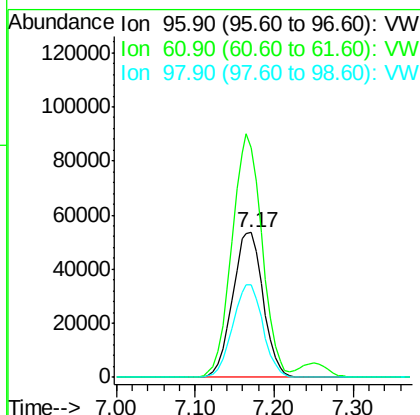
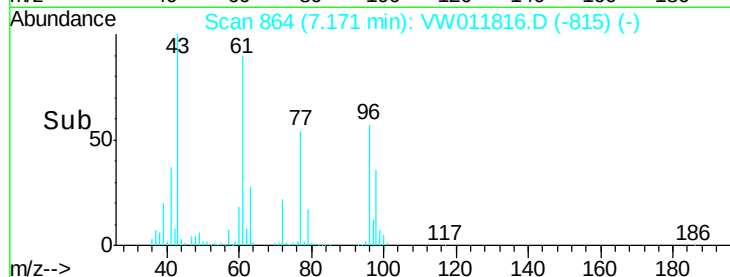
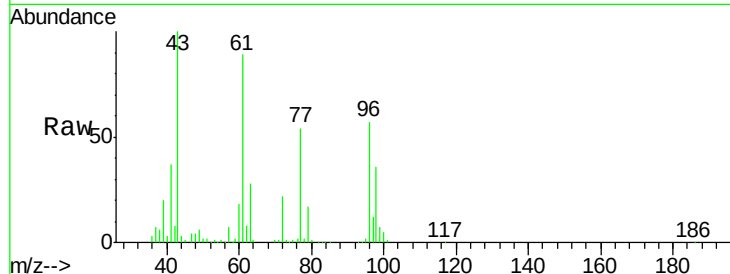
cis-1,2-Dichloroethene
Concen: 51.608 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	164.9	0.0	328.4	
98	63.5	0.0	128.8	

Manual Integrations
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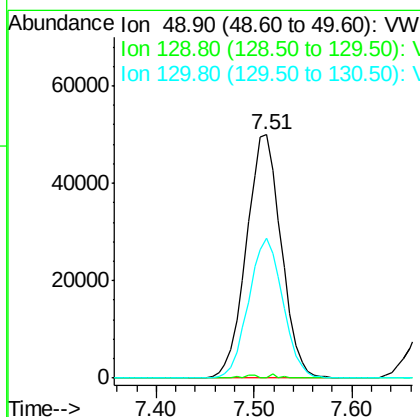
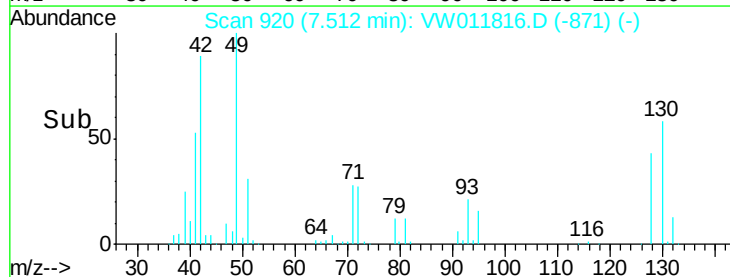
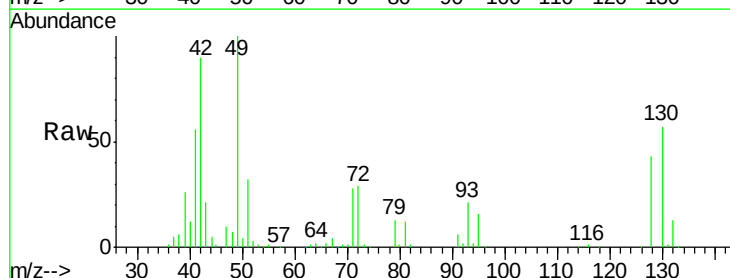
MMDadoda
8/13/2019 2:43:55 PM

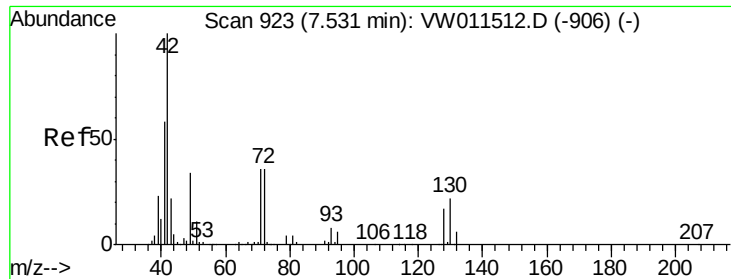


#28

Bromochloromethane
Concen: 55.104 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.4	0.0	1.0	
130	56.6	46.3	69.5	





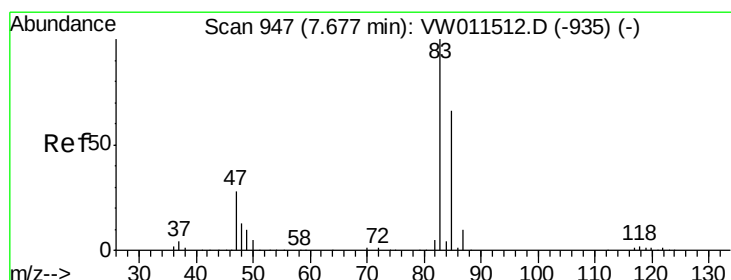
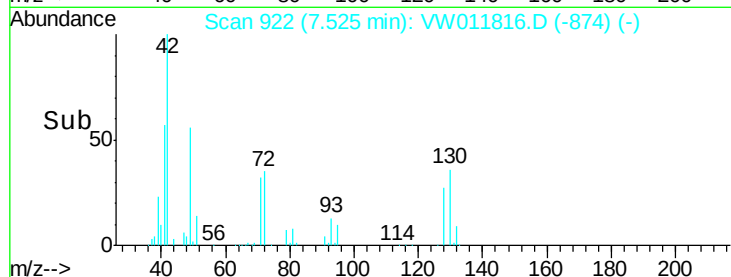
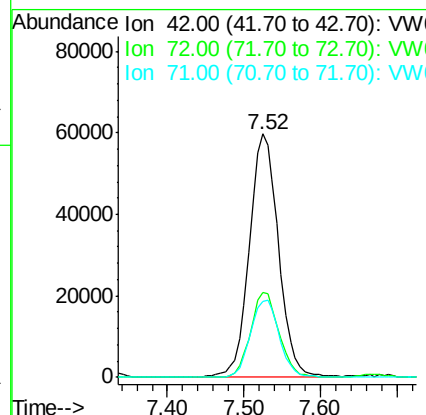
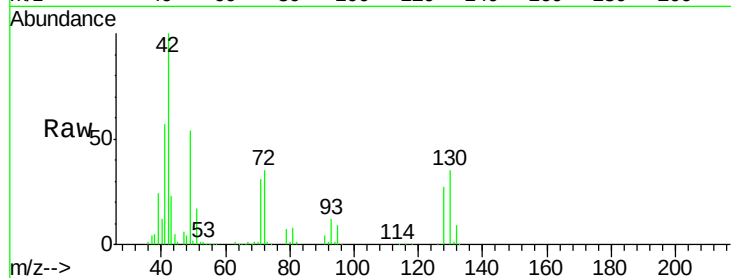
#29
Tetrahydrofuran
Concen: 254.792 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.1	40.7
71	31.8	26.2	39.4

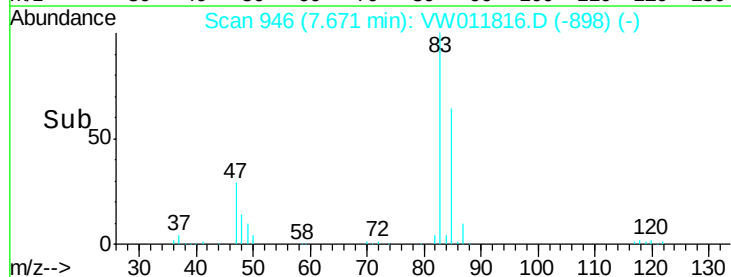
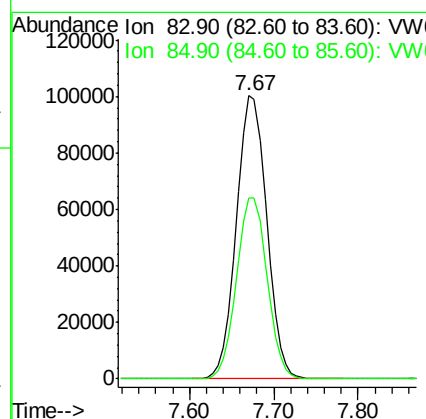
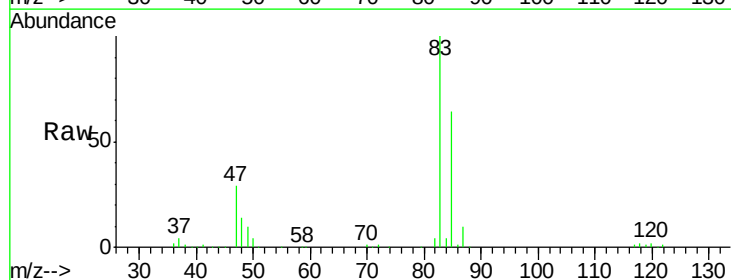
Manual Integrations
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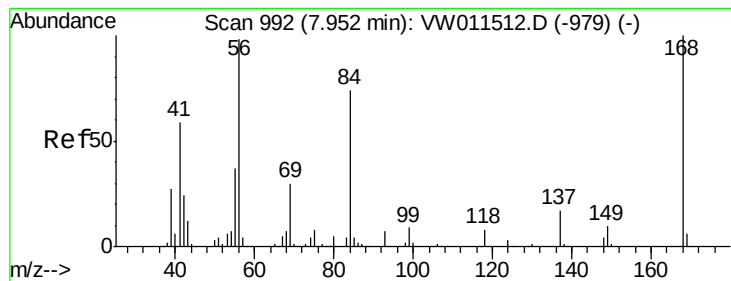
MMDadoda
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#30
Chloroform
Concen: 52.204 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7





#31

Cyclohexane

Concen: 51.923 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

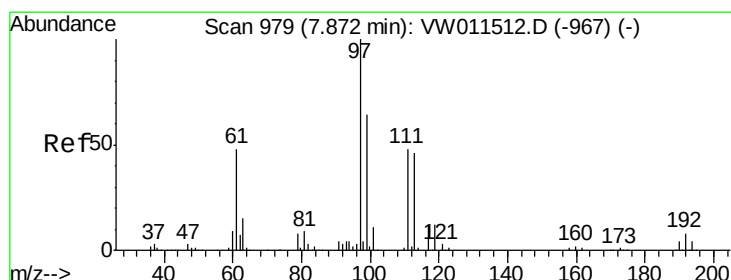
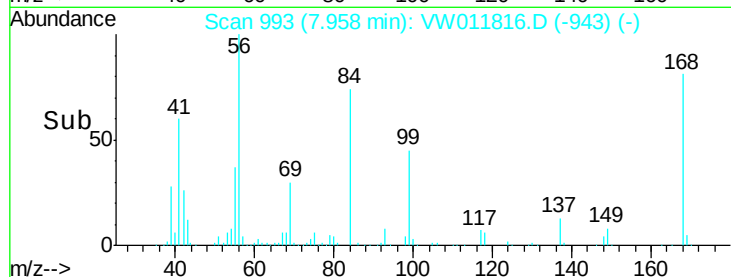
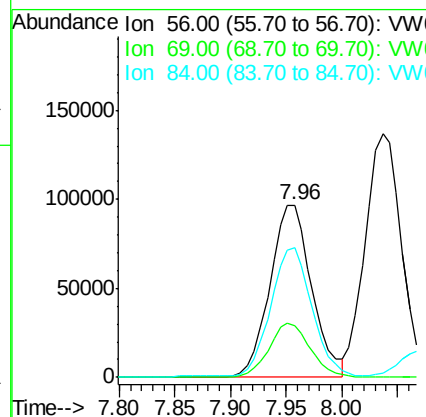
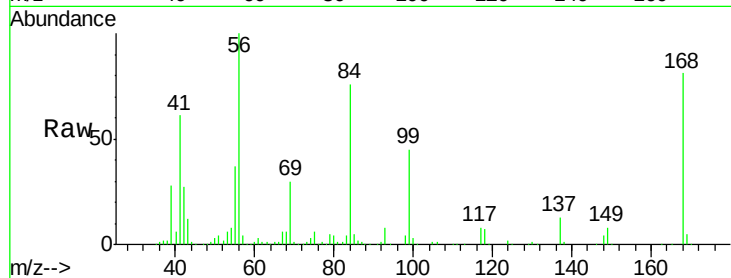
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	252828
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.3	36.5
84	74.2	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.950 ug/l

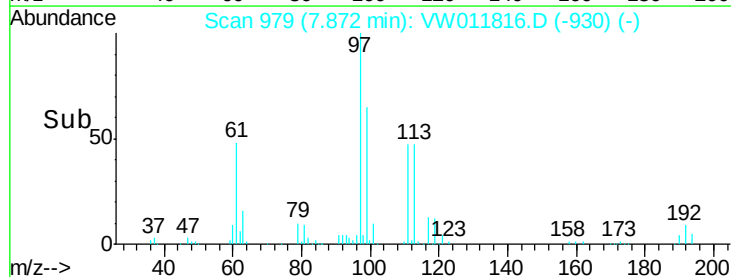
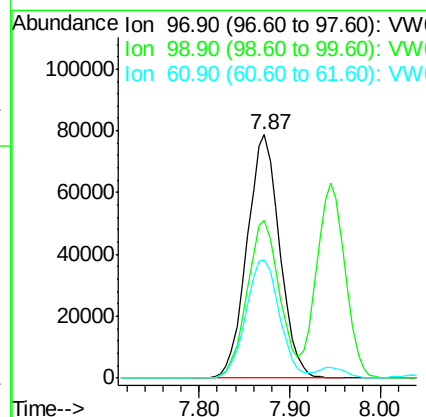
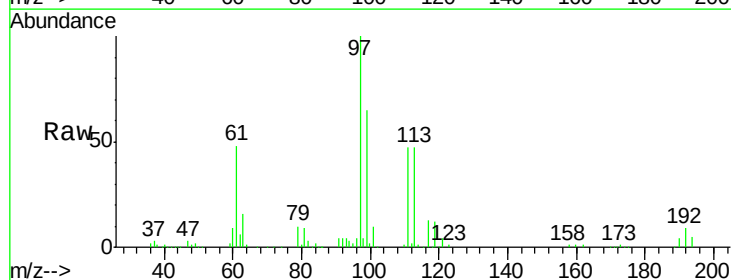
RT: 7.87 min Scan# 979

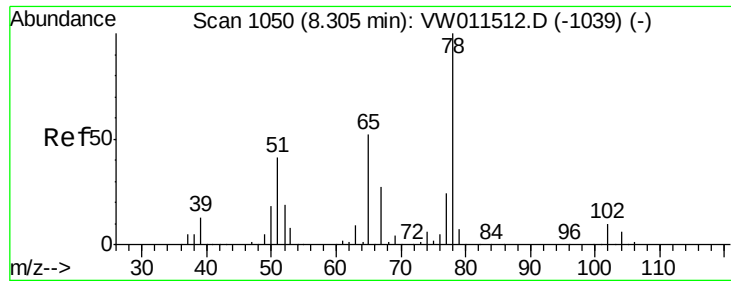
Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion:	97	Resp:	195844
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	50.0	39.8	59.6





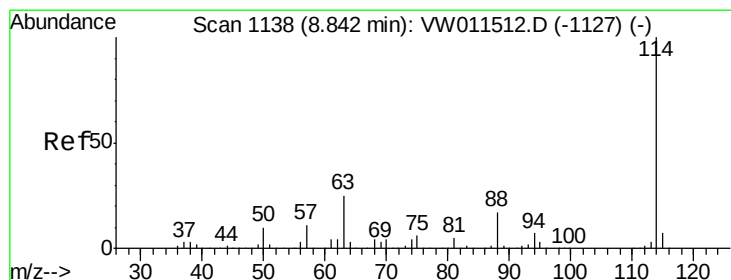
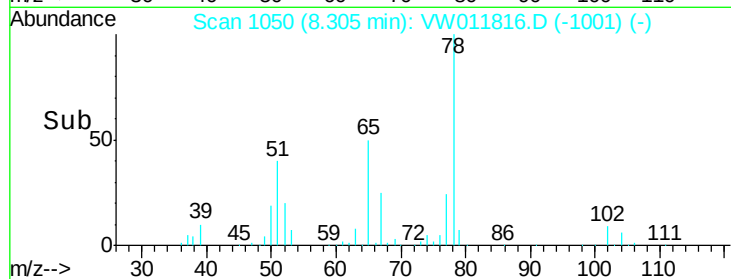
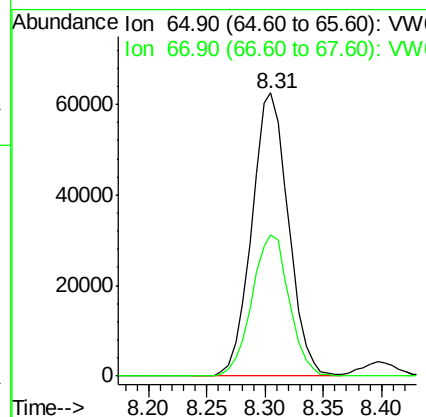
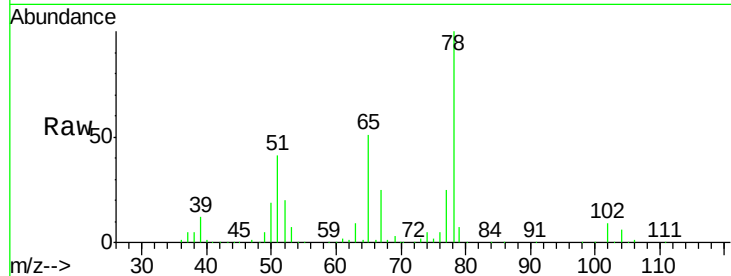
#33
 1,2-Dichloroethane-d4
 Concen: 52.687 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	105.2

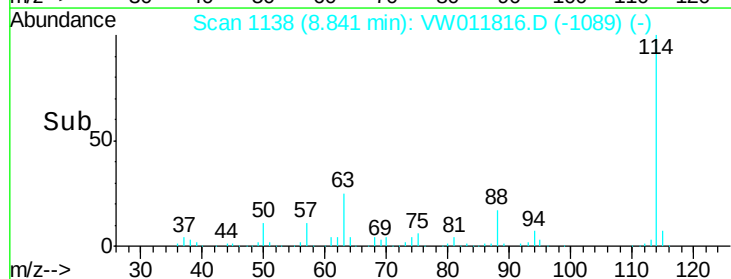
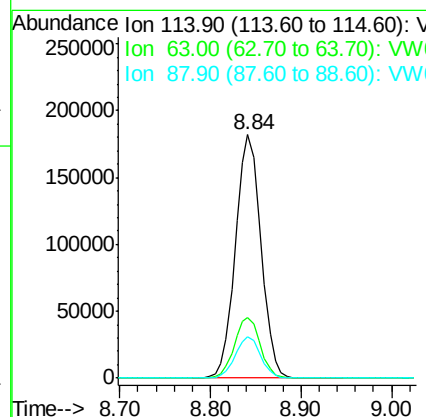
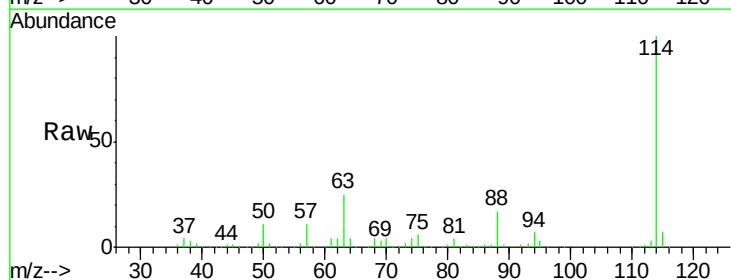
Manual Integrations
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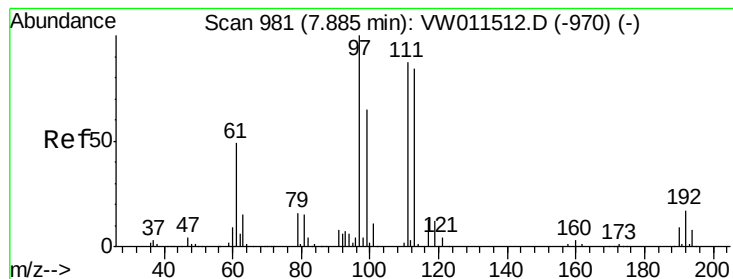
MMDadoda
 8/13/2019 2:43:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	49.2
88	17.2	0.0	33.8





#35

Dibromofluoromethane

Concen: 54.605 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

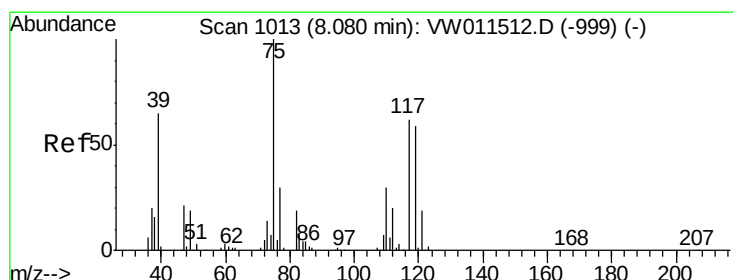
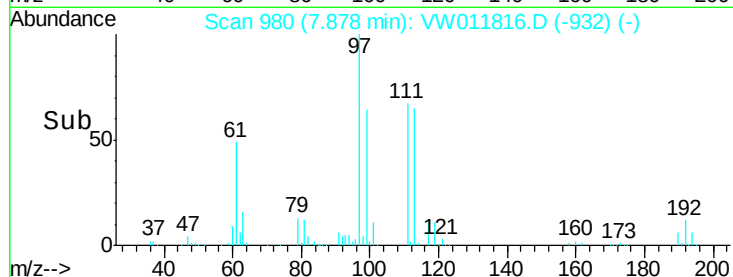
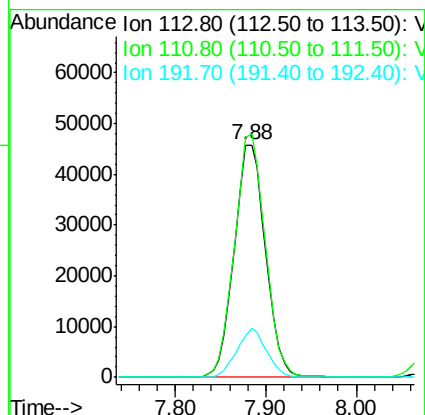
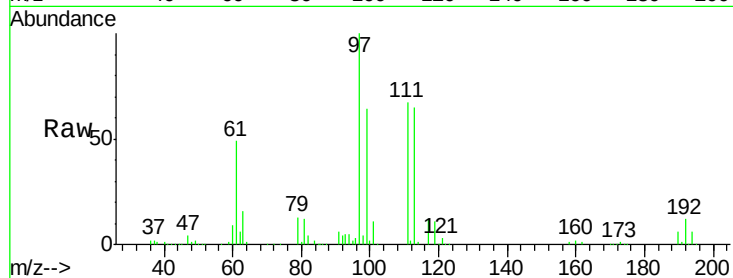
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	109782
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.7	124.1
192	20.0	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 55.420 ug/l

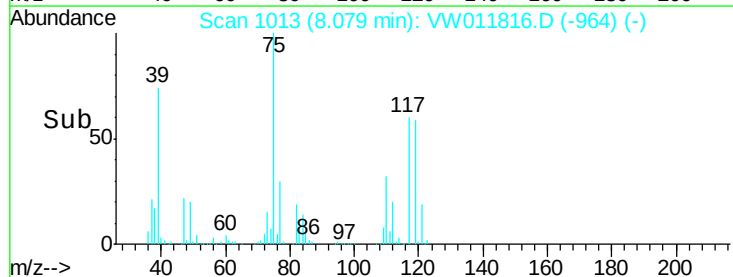
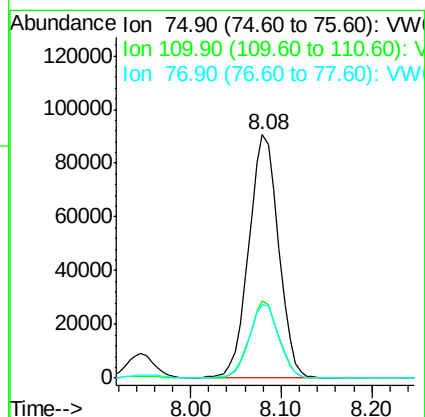
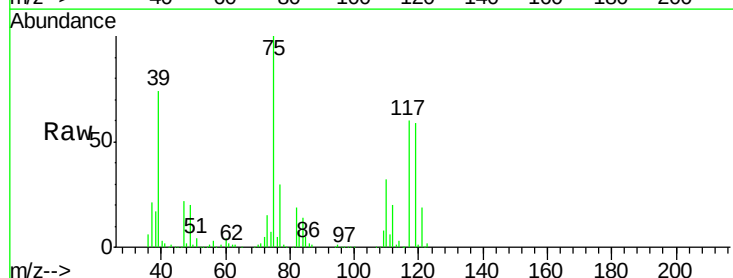
RT: 8.08 min Scan# 1013

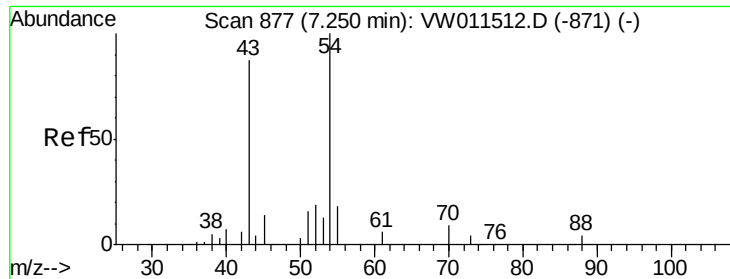
Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion:	75	Resp:	206513
Ion	Ratio	Lower	Upper
75	100		
110	30.8	15.6	46.8
77	30.8	24.3	36.5





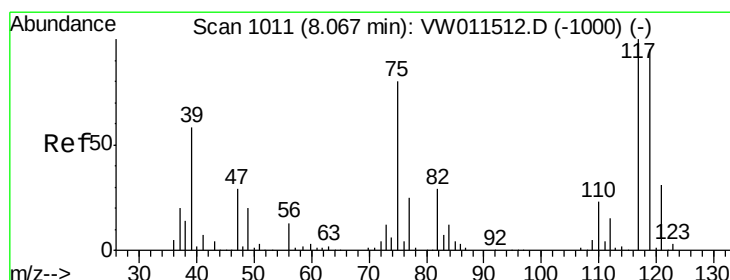
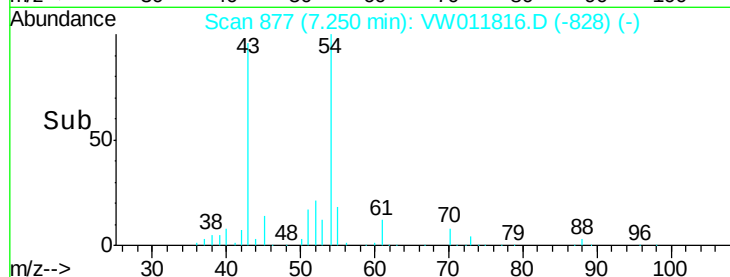
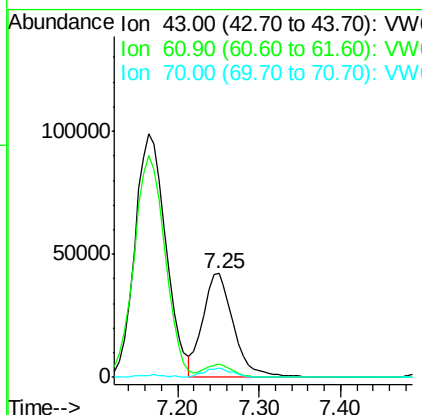
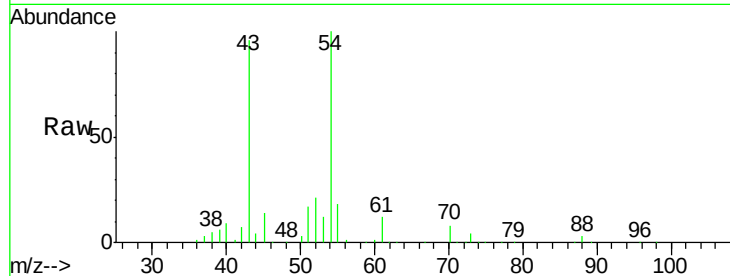
#37
Ethyl Acetate
Concen: 51.474 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	110353		
61	12.0		8.8	13.2
70	8.4		7.1	10.7

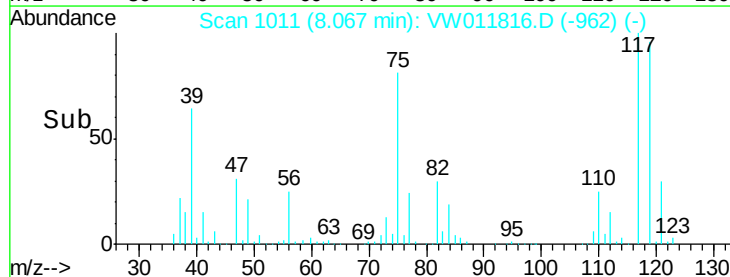
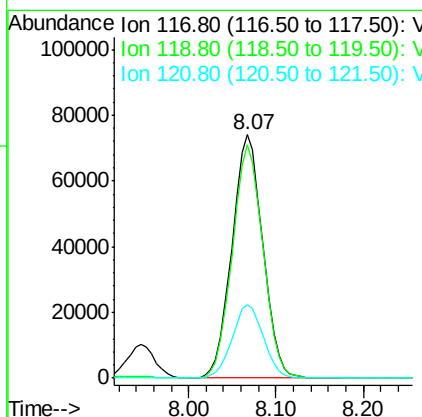
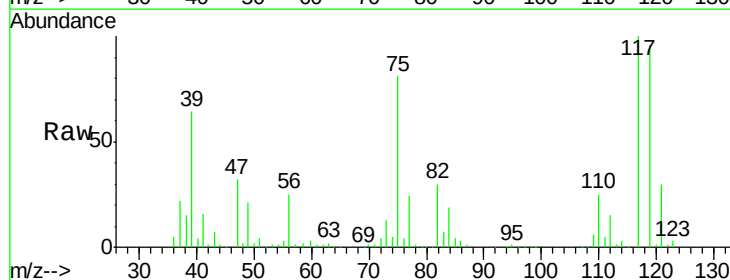
Manual Integrations
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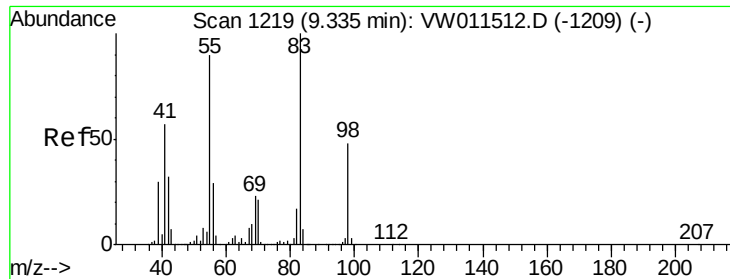
MMDadoda
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#38
Carbon Tetrachloride
Concen: 56.927 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	181597		
119	95.9		75.8	113.6
121	29.9		24.7	37.1





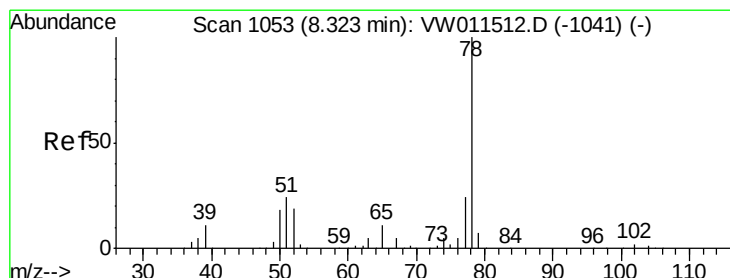
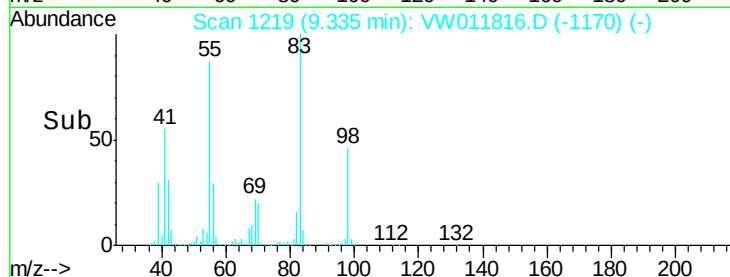
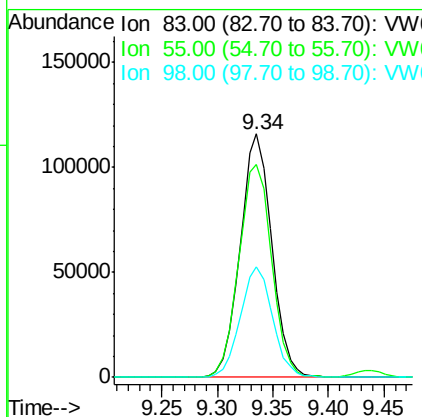
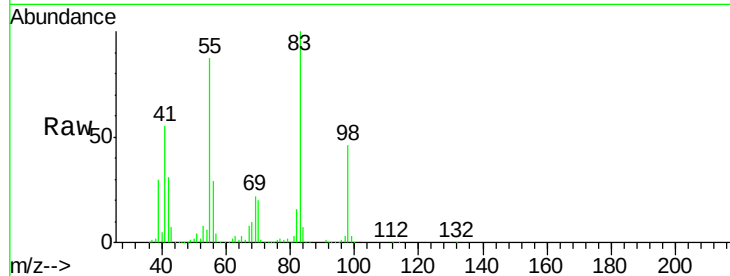
#39
Methylvlcyclohexane
Concen: 55.737 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	72.1	108.1
98	45.5	38.6	57.8

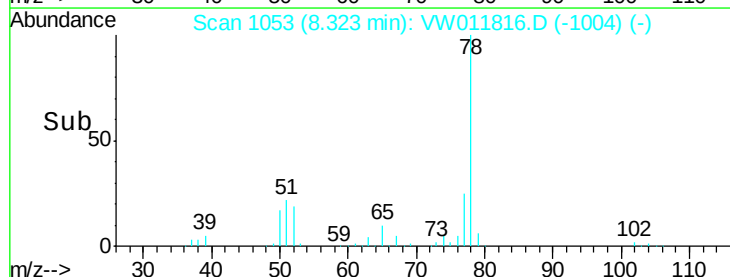
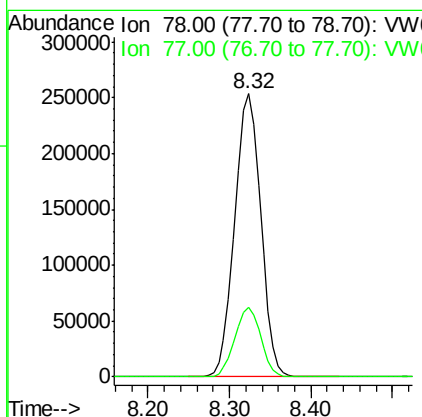
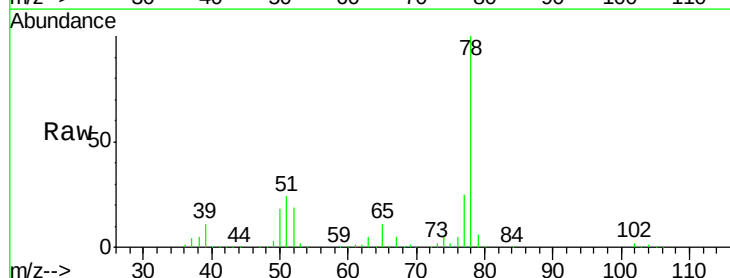
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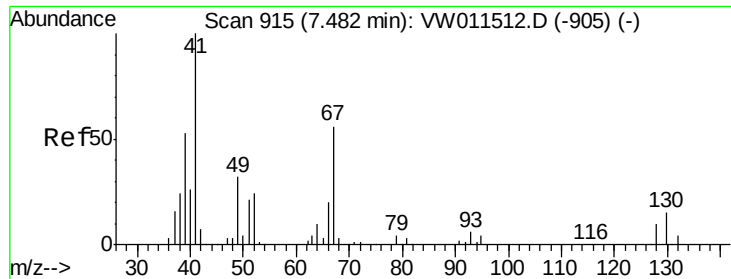
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#40
Benzene
Concen: 53.690 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.0





#41

Methacrylonitrile

Concen: 53.867 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

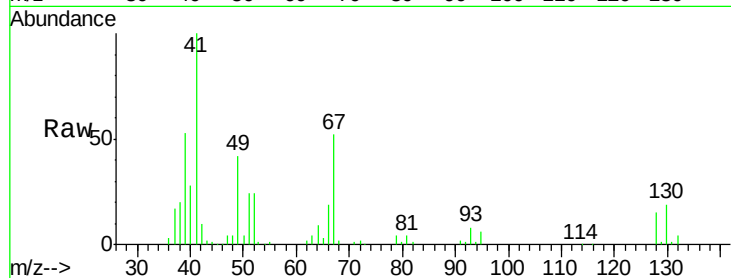
ClientSampleId :

VSTDCCC050

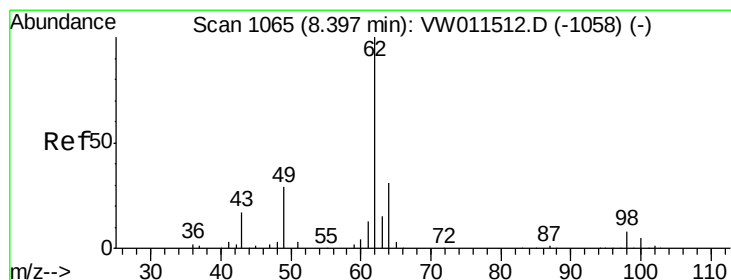
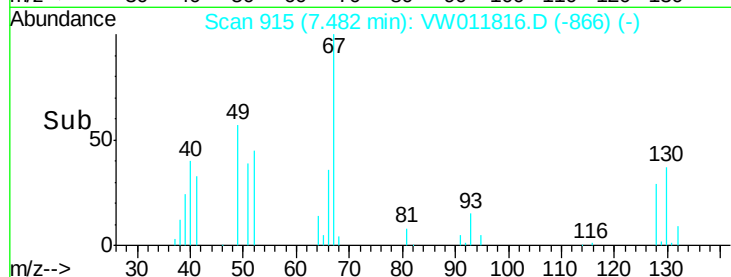
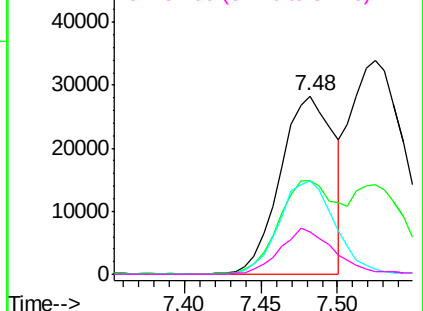
Tot Ion	Ratio	Lower	Upper
41	100		
39	59.6	43.0	64.4
67	54.4	47.5	71.3
52	26.3	21.0	31.6

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 53.728 ug/l

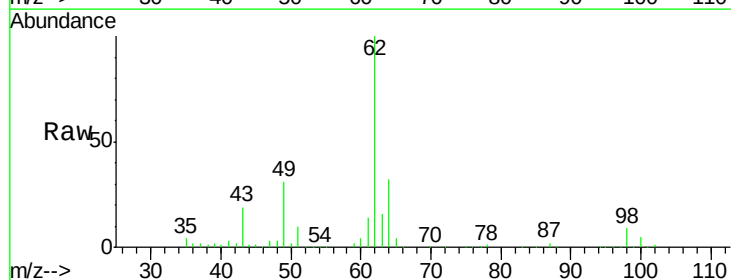
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

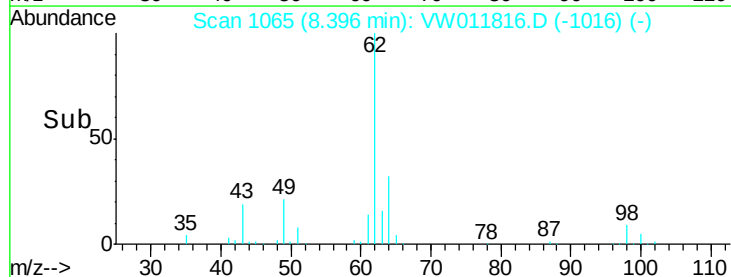
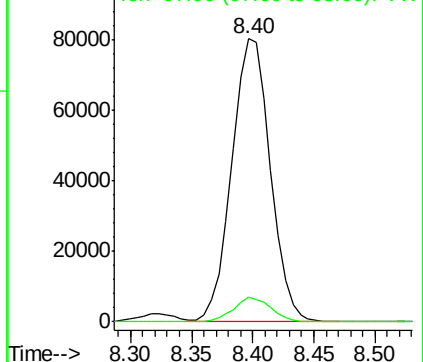
Lab File: VW011816.D

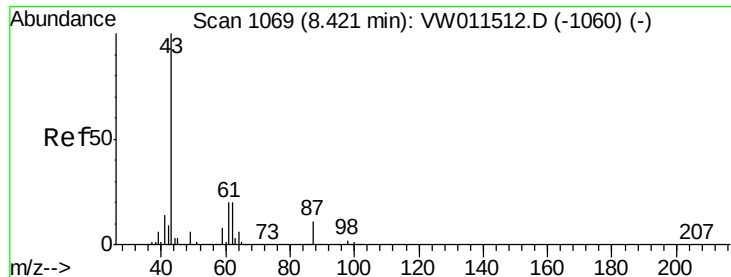
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.051 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

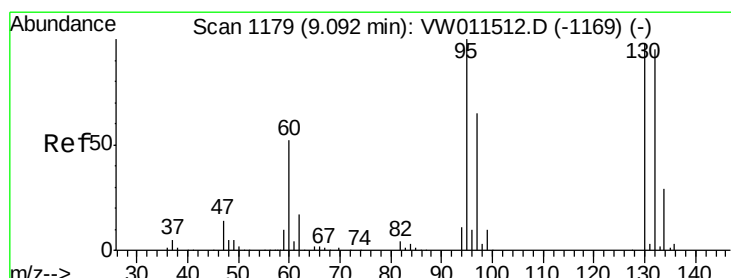
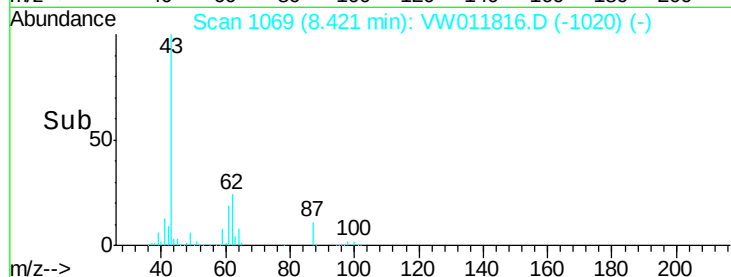
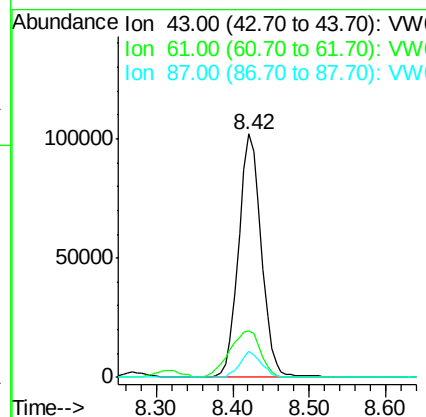
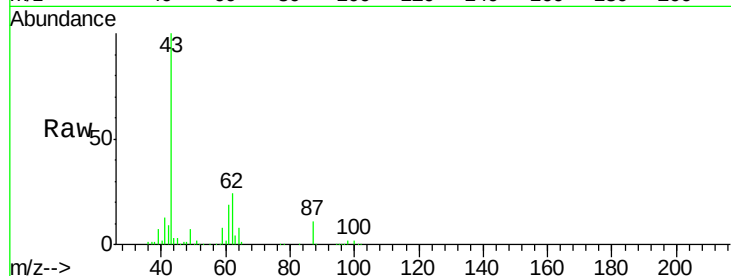
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	209164
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.5	32.3
87	10.2	8.4	12.6

Manual Integrations
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#44

Trichloroethene

Concen: 54.230 ug/l

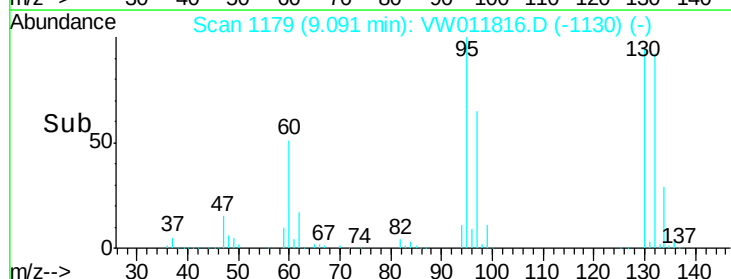
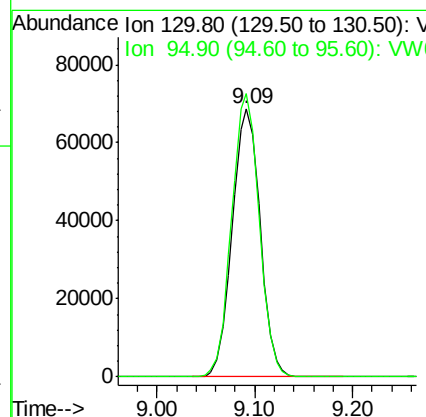
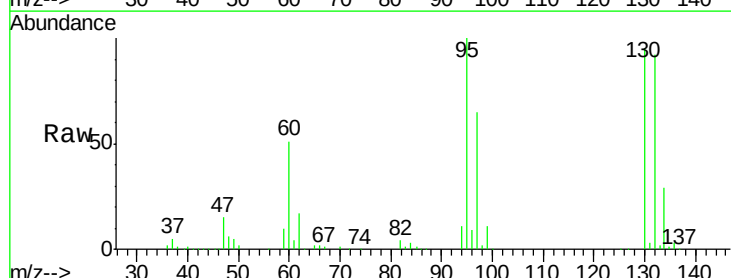
RT: 9.09 min Scan# 1179

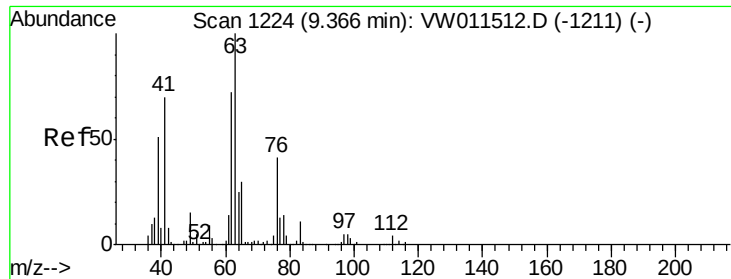
Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion:	130	Resp:	136046
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	204.8





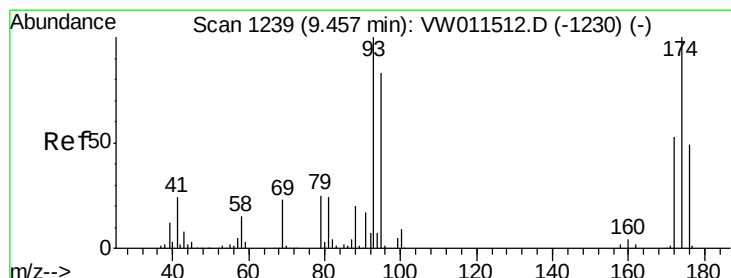
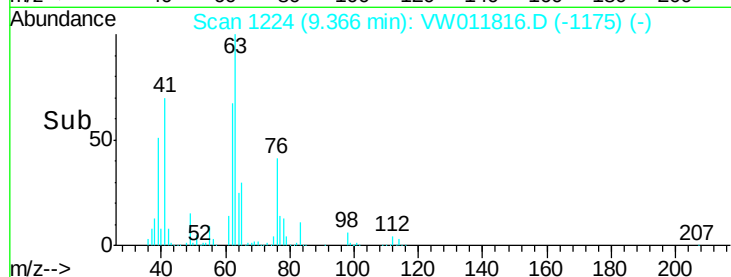
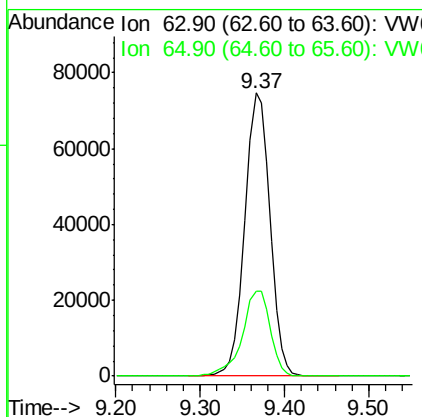
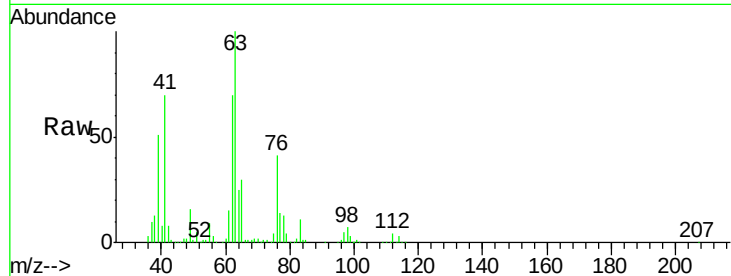
#45
 1,2-Dichloropropane
 Concen: 53.679 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 149914
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.2 36.4

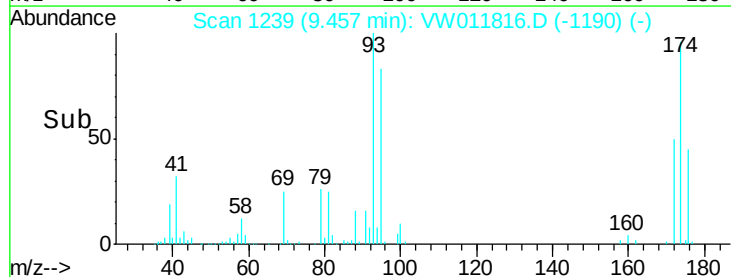
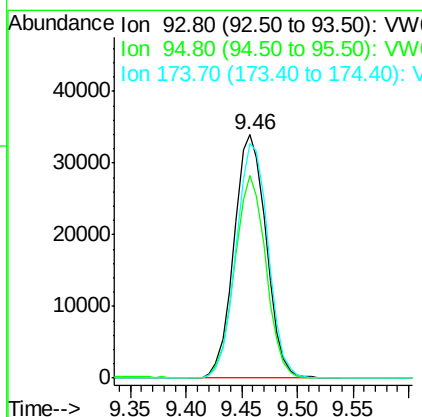
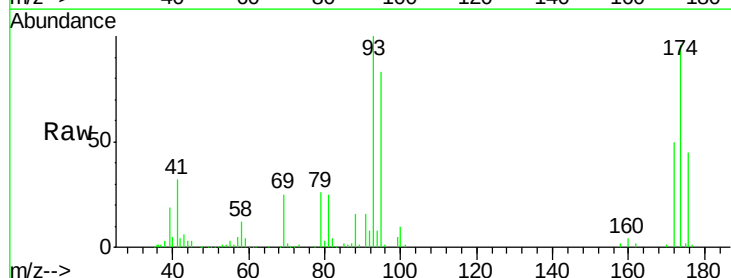
Manual Integrations
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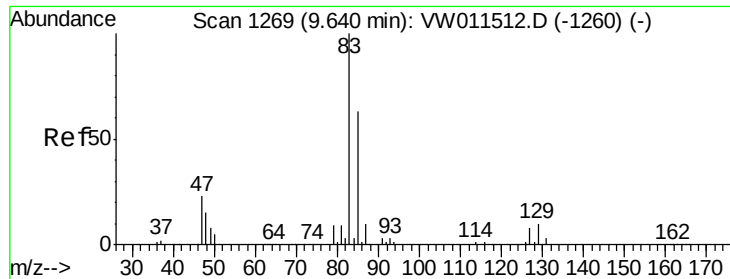
MMDadoda
 8/13/2019 2:43:55 PM



#46
 Dibromomethane
 Concen: 53.306 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 93 Resp: 67947
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.2 99.2
 174 96.3 78.2 117.4





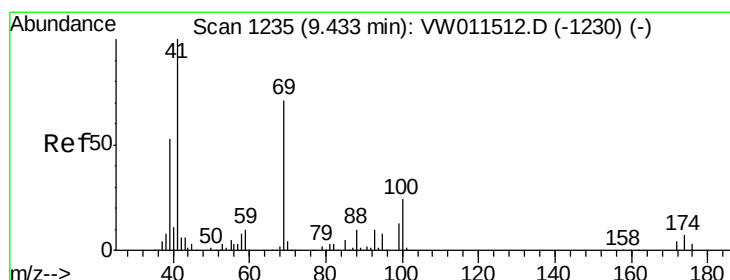
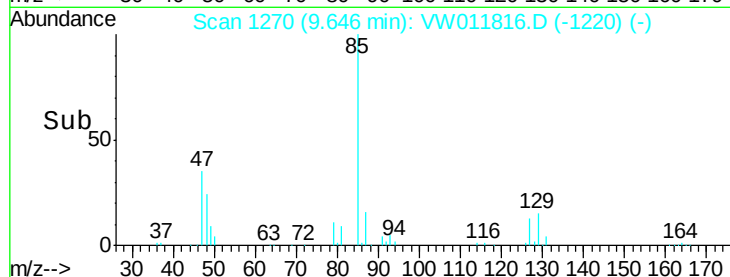
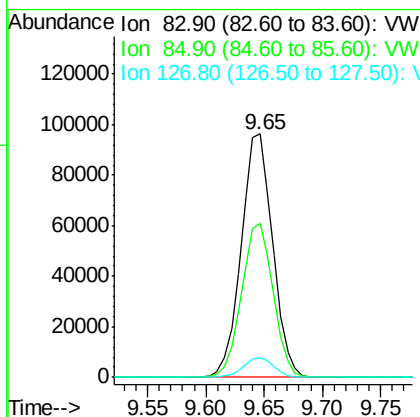
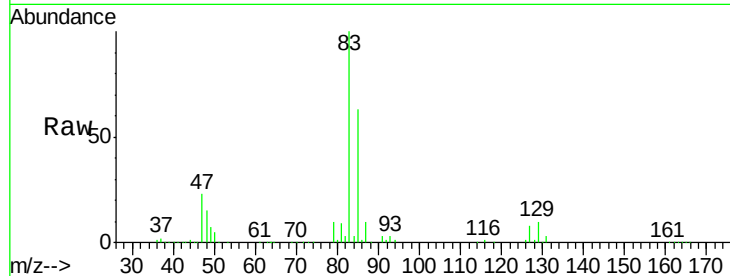
#47
Bromodichloromethane
Concen: 54.331 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	181662		
85	63.4	50.5	75.7	
127	7.9	6.4	9.6	

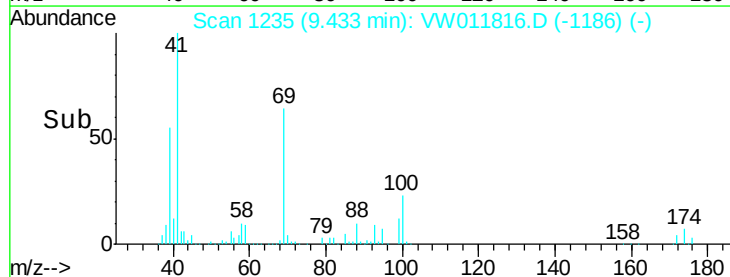
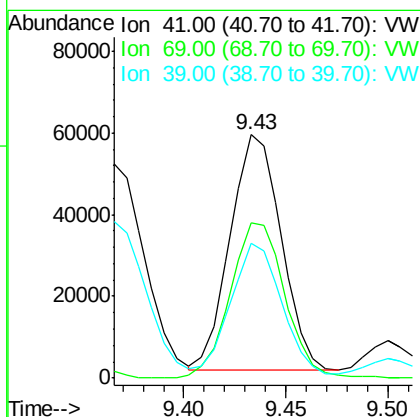
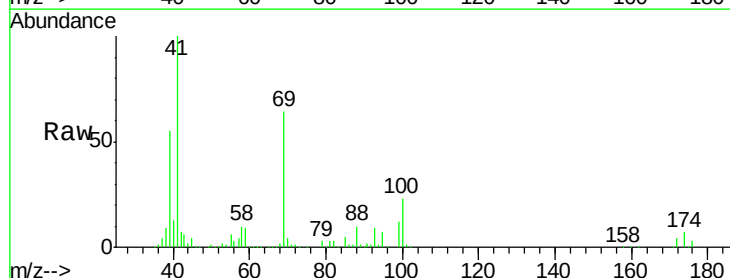
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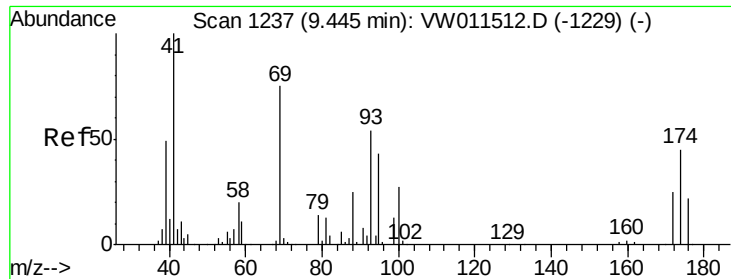
MMDadoda
8/13/2019 2:43:55 PM



#48
Methyl methacrylate
Concen: 53.101 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	100570		
69	70.4	57.1	85.7	
39	54.2	45.4	68.2	





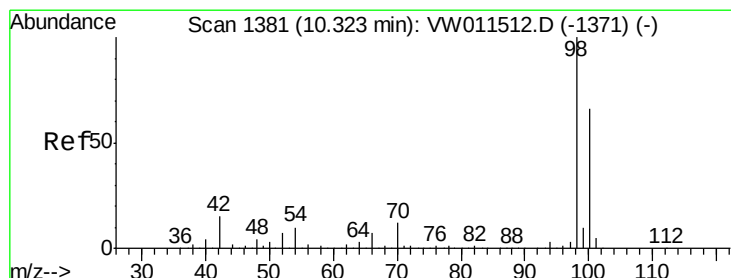
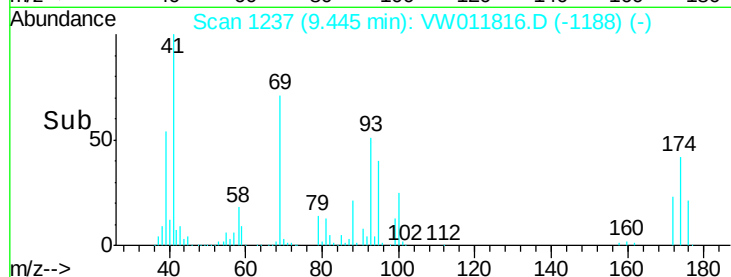
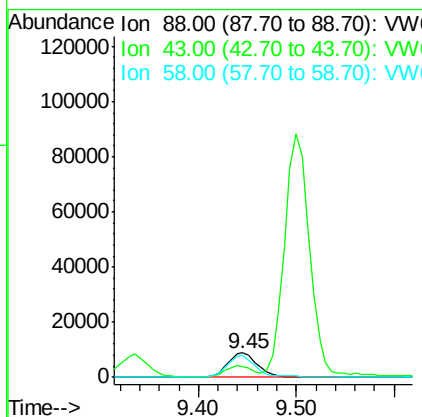
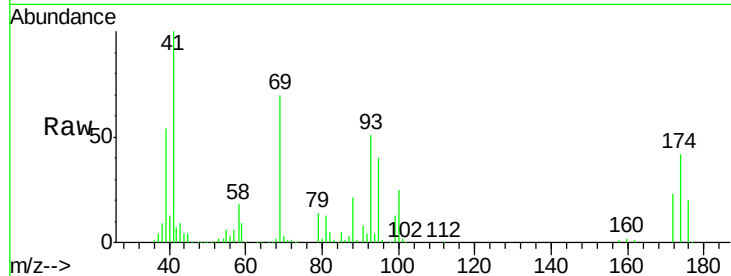
#49
1,4-Dioxane
Concen: 1026.906 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.5	34.0	51.0
58	84.4	69.7	104.5

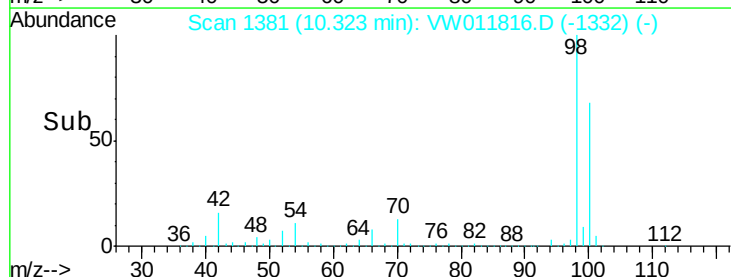
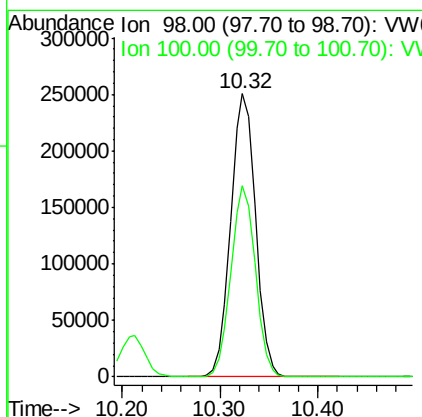
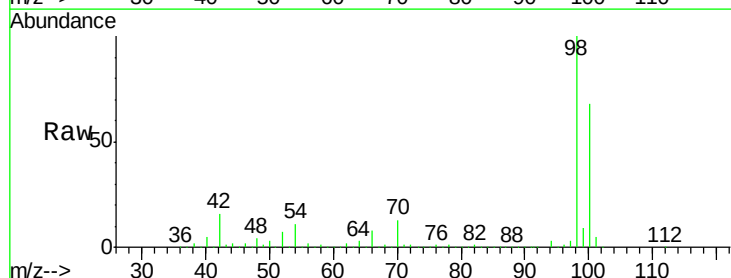
Manual Integrations
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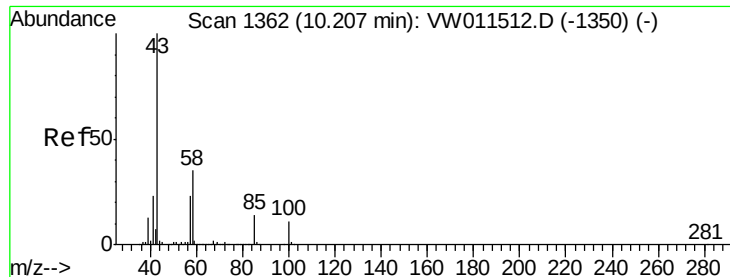
MMDadoda
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#50
Toluene-d8
Concen: 53.777 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1





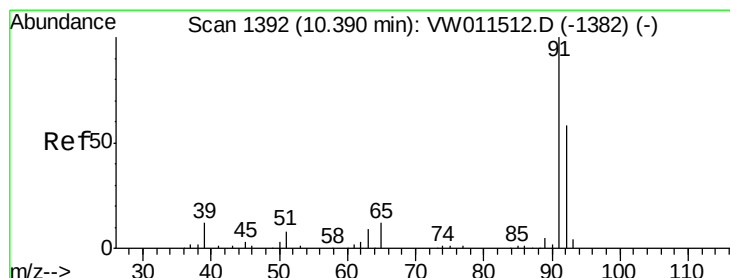
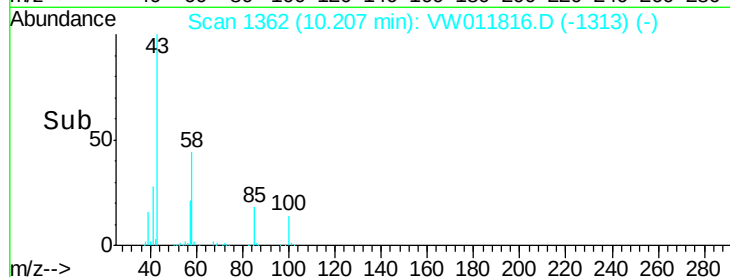
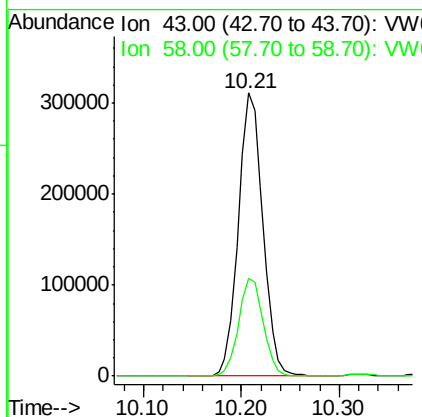
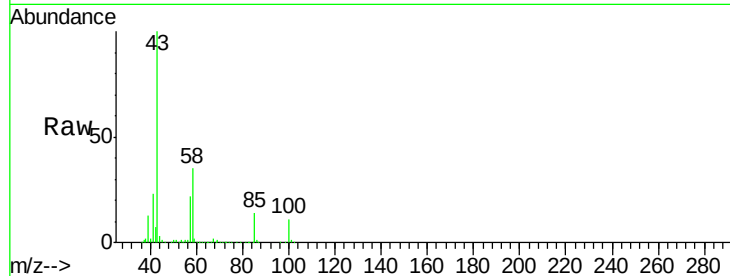
#51
 4-Methyl-2-Pentanone
 Concen: 263.451 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.2	42.2

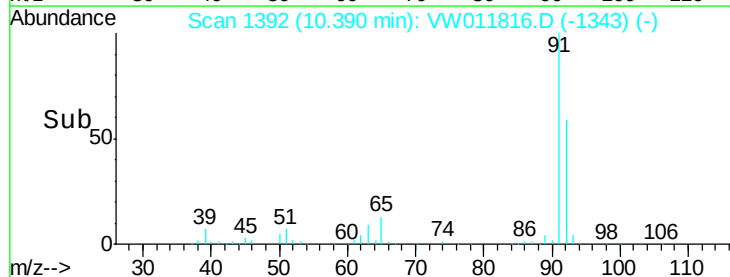
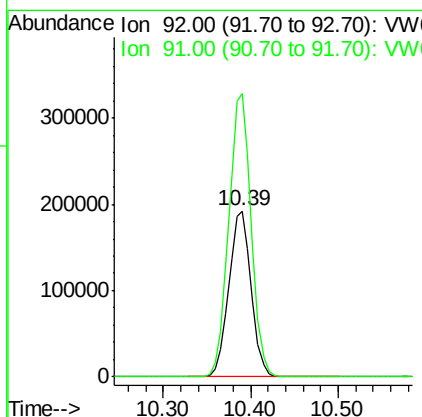
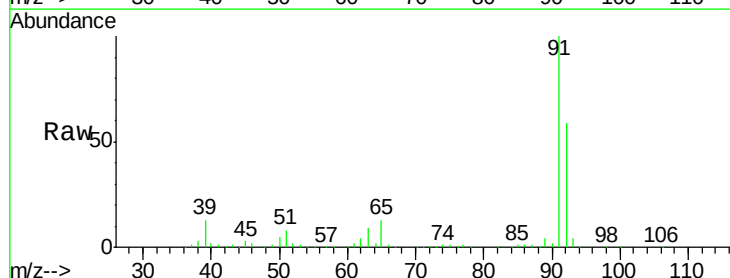
Manual Integrations
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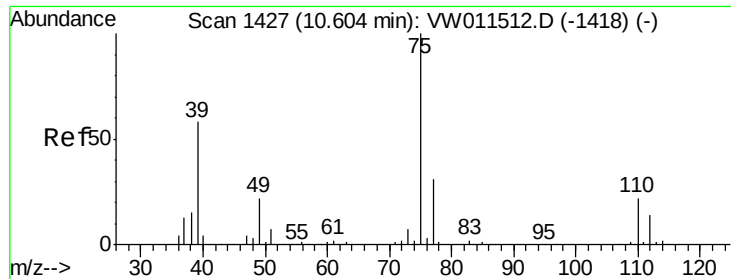
MMDadoda
 8/13/2019 2:43:55 PM



#52
 Toluene
 Concen: 53.819 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	136.7	205.1





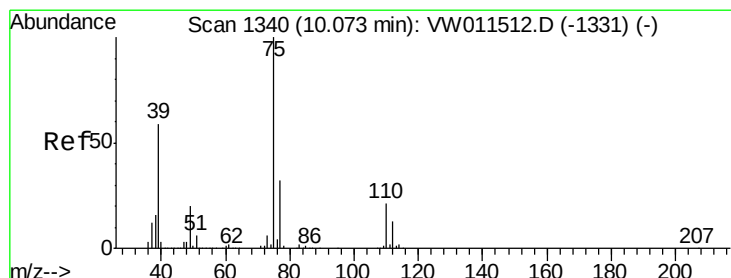
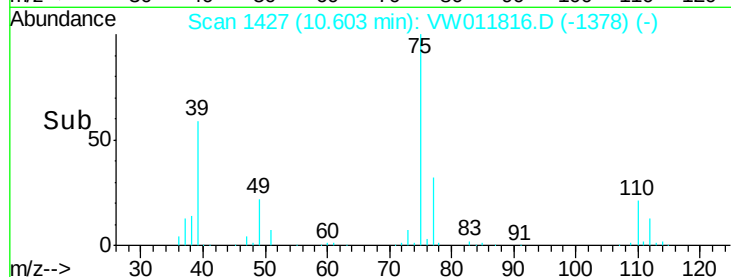
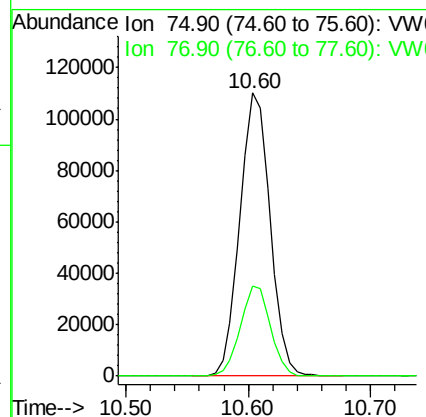
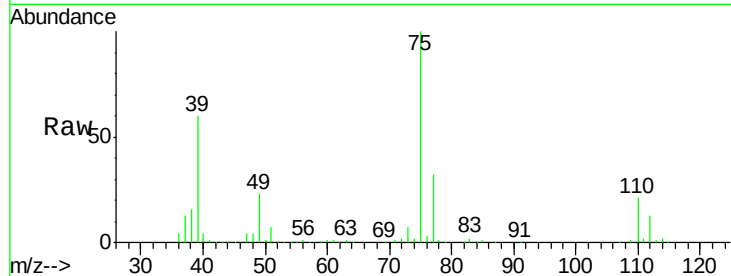
#53
 t-1,3-Dichloropropene
 Concen: 53.981 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 188544
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.4

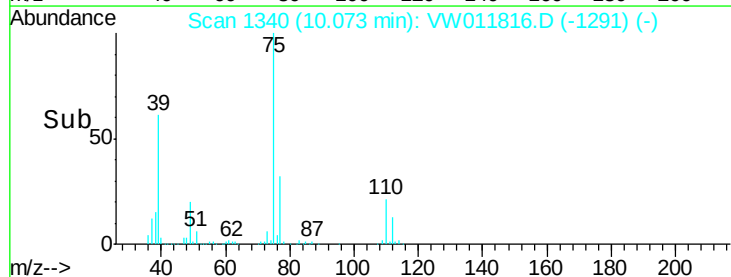
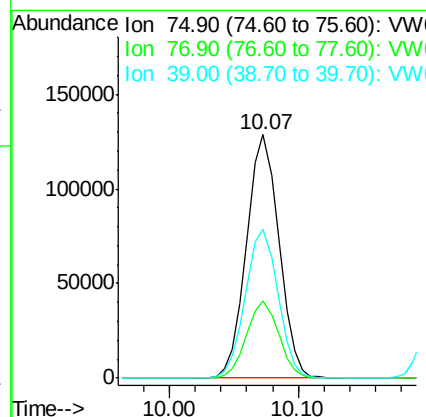
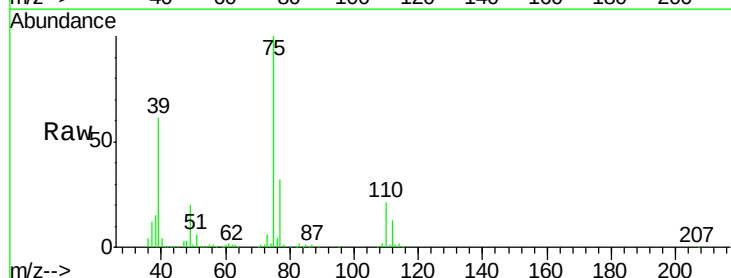
Manual Integrations
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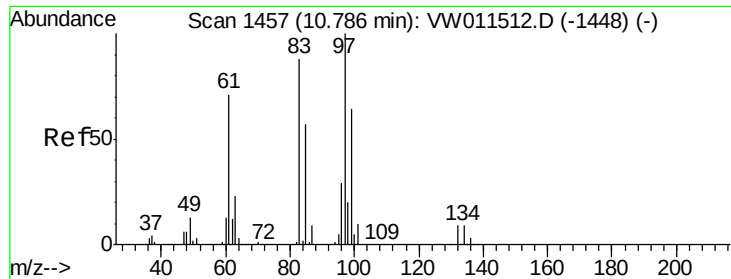
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 8/13/2019 2:43:55 PM



#54
 cis-1,3-Dichloropropene
 Concen: 54.017 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 75 Resp: 224327
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4
 39 61.2 47.0 70.4





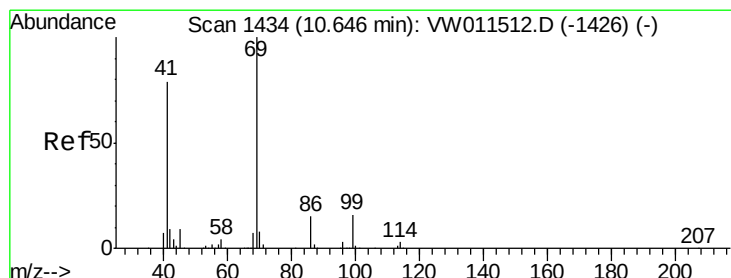
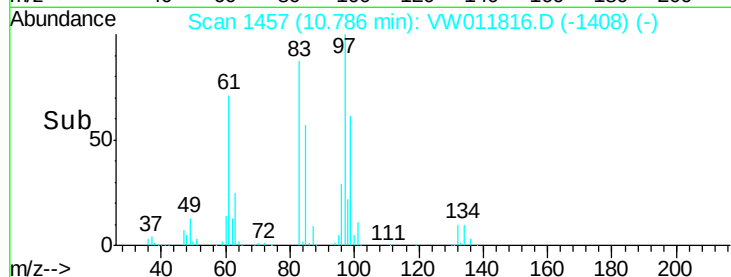
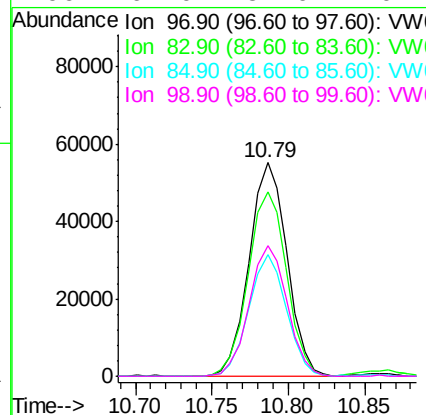
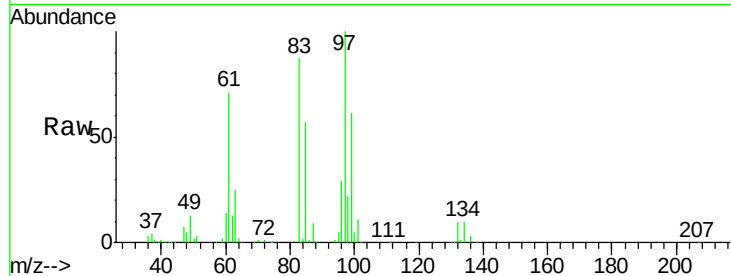
#55
 1,1,2-Trichloroethane
 Concen: 52.671 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	95259
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.5	105.7
85	57.0	45.8	68.6
99	61.0	51.0	76.4

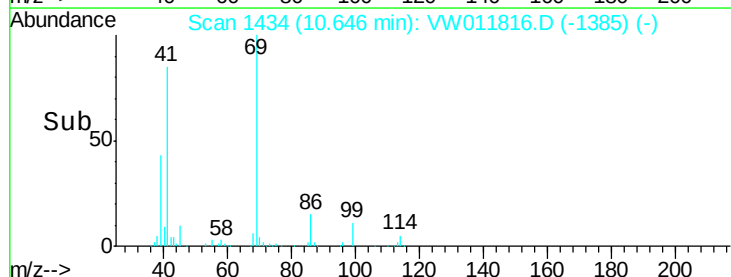
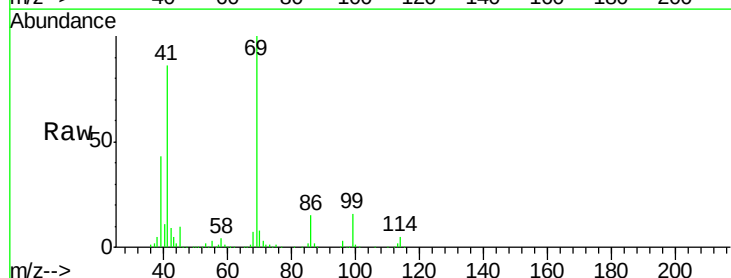
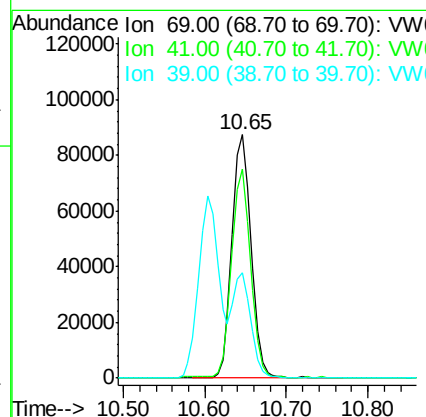
Manual Integrations
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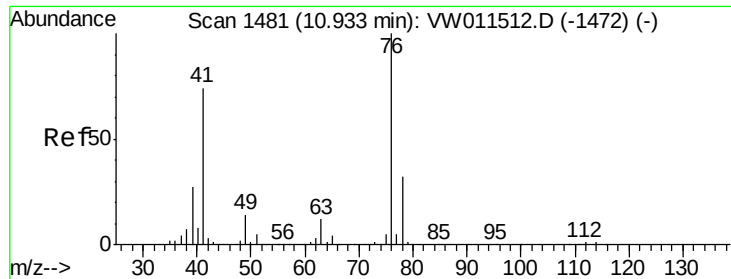
MMDadoda
 8/13/2019 2:43:55 PM



#56
 Ethyl methacrylate
 Concen: 53.486 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion:	69	Resp:	141550
Ion	Ratio	Lower	Upper
69	100		
41	84.9	66.6	99.8
39	40.0	30.3	45.5





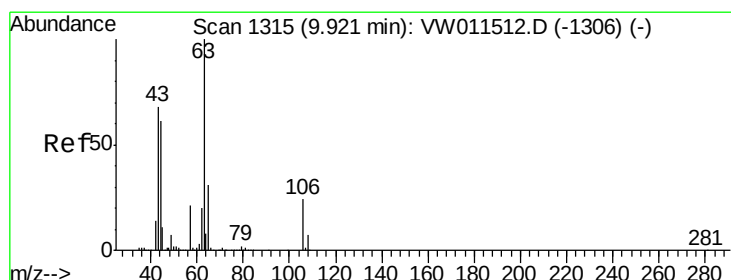
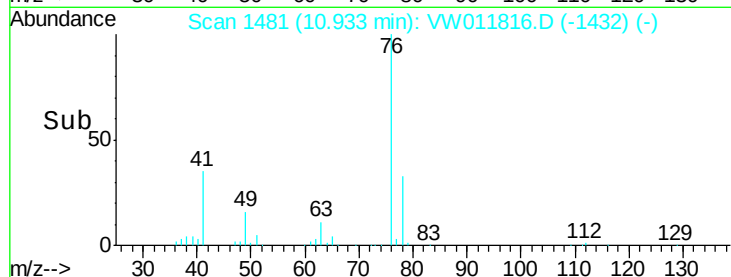
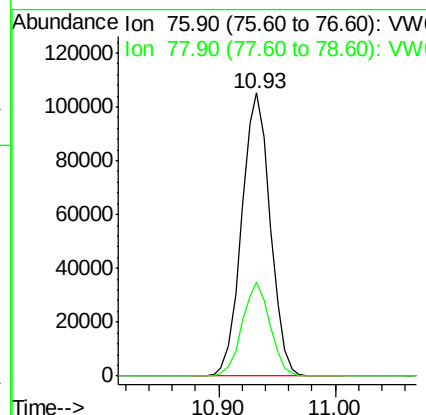
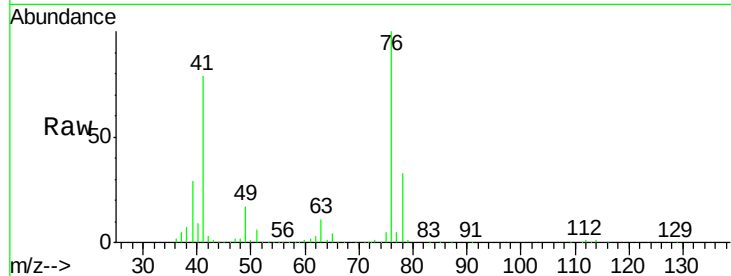
#57
 1,3-Dichloropropane
 Concen: 52.556 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 179828
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8

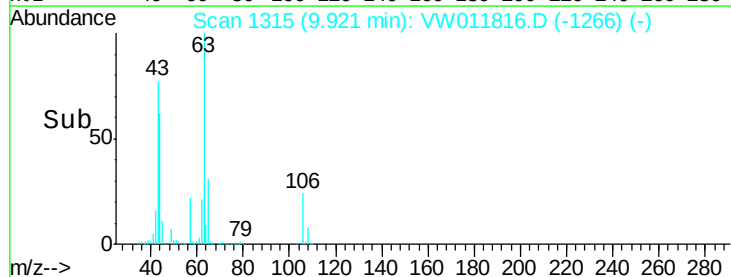
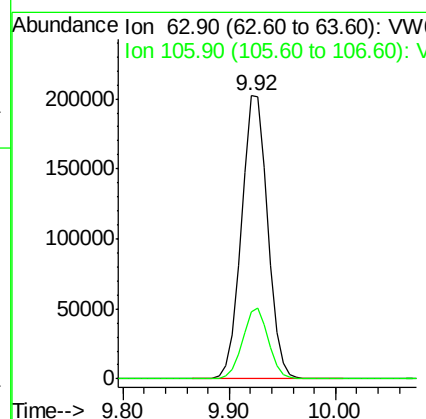
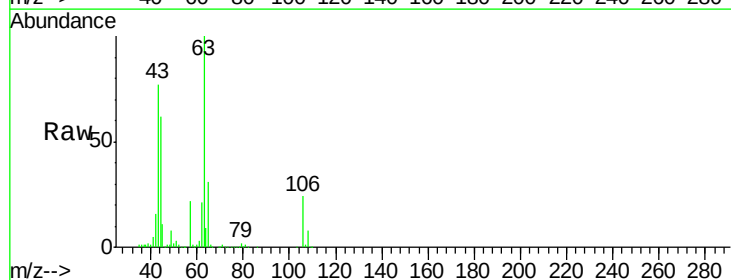
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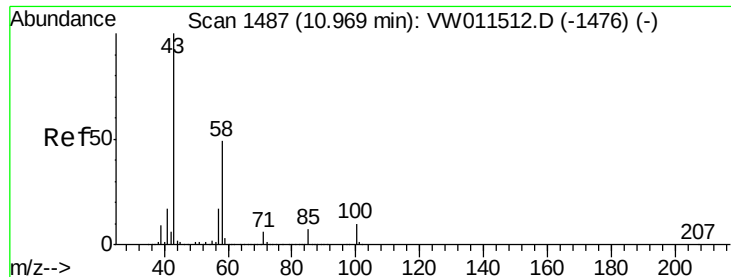
MMDadoda
 8/13/2019 2:43:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 291.950 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion: 63 Resp: 350813
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5





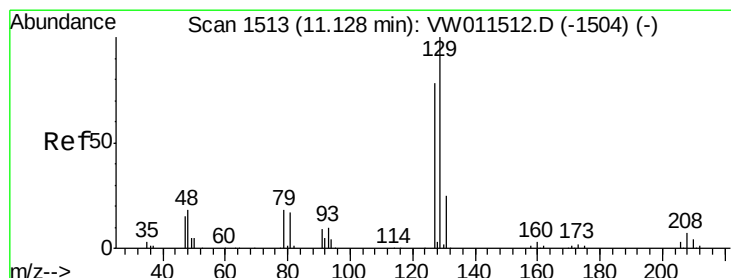
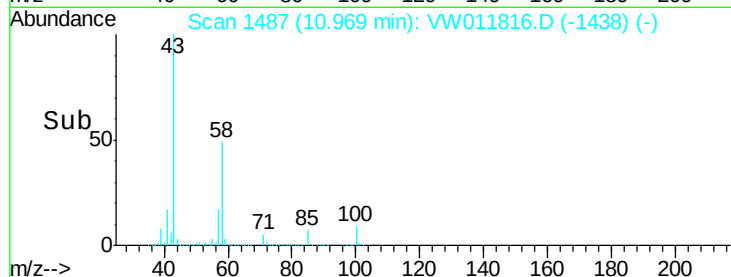
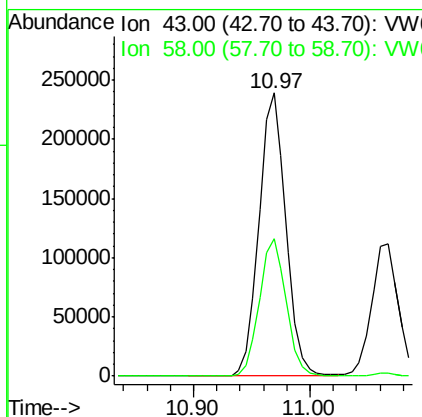
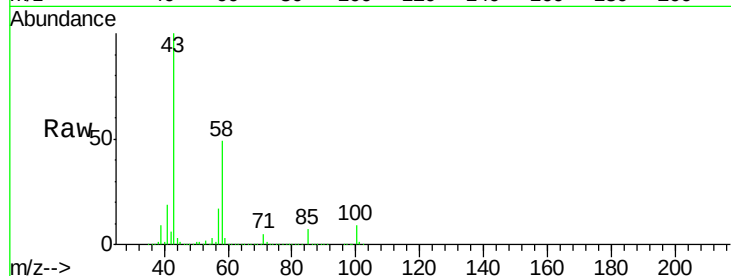
#59
2-Hexanone
Concen: 266.055 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	385247
Ion Ratio	Lower	Upper	
43	100		
58	48.4	24.3	72.9

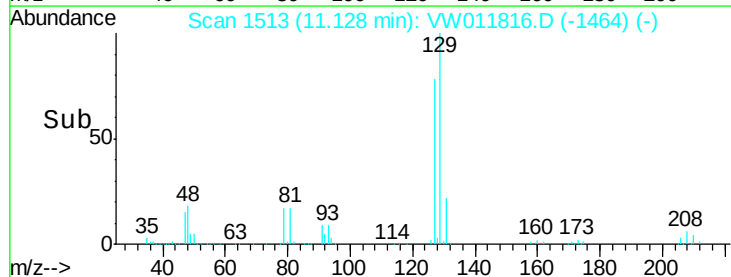
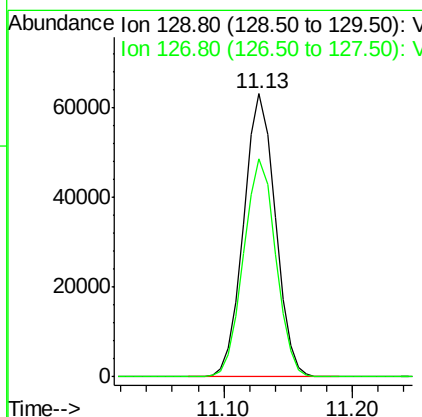
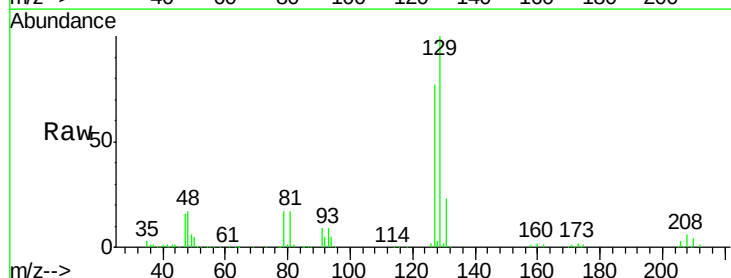
Manual Integrations
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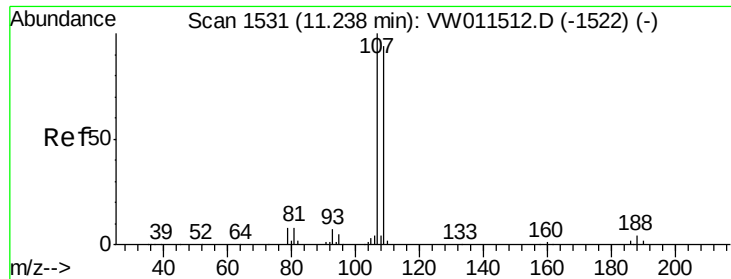
MMDadoda
8/13/2019 2:43:55 PM



#60
Dibromochloromethane
Concen: 53.522 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	129	Resp	107448
Ion Ratio	Lower	Upper	
129	100		
127	78.1	38.9	116.7





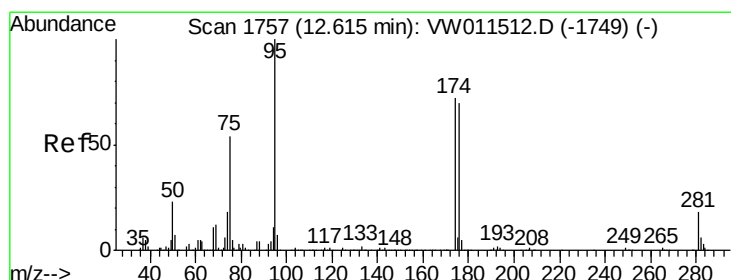
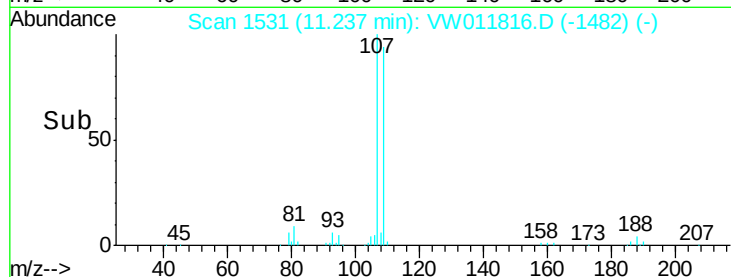
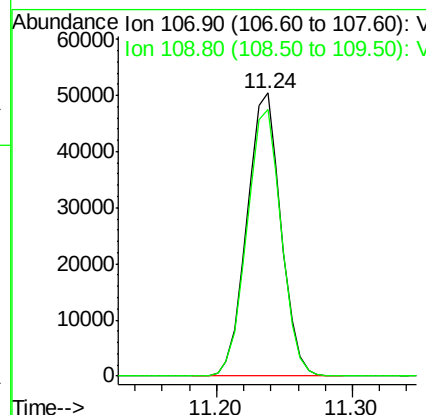
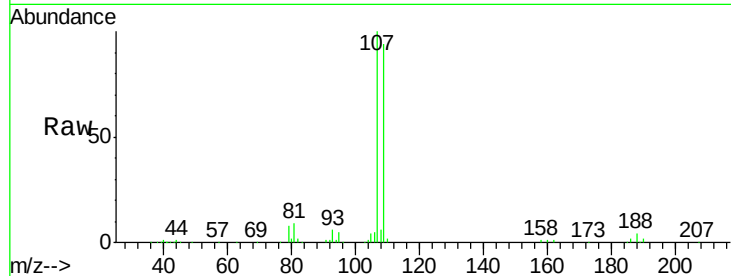
#61
 1,2-Dibromoethane
 Concen: 51.427 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.0	112.6

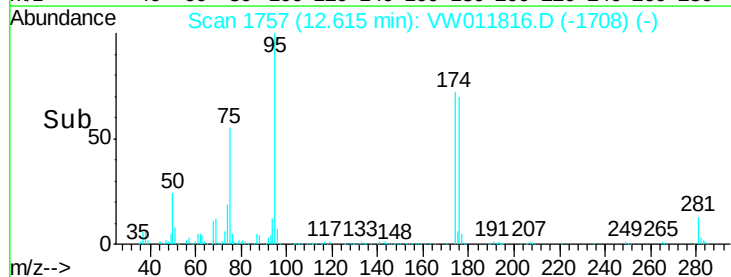
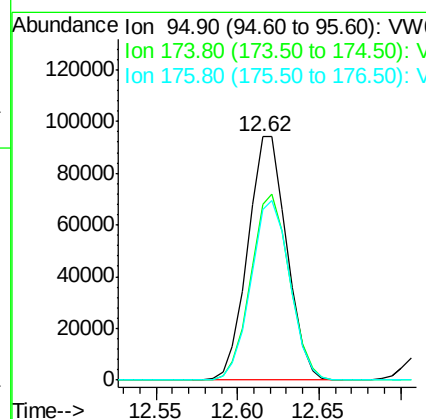
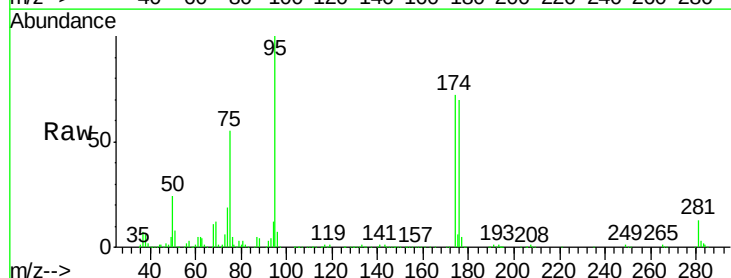
Manual Integrations
 APPROVED

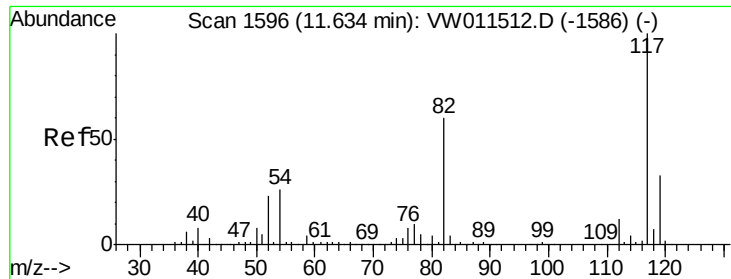
MMDadoda
 8/13/2019 2:43:55 PM



#62
 4-Bromofluorobenzene
 Concen: 53.262 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.2
176	73.6	0.0	144.4





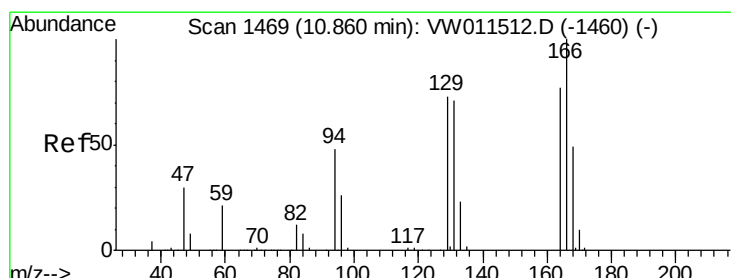
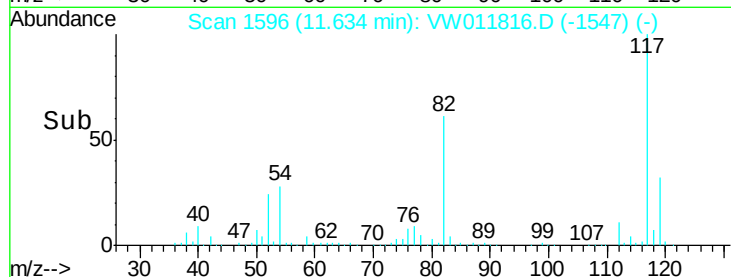
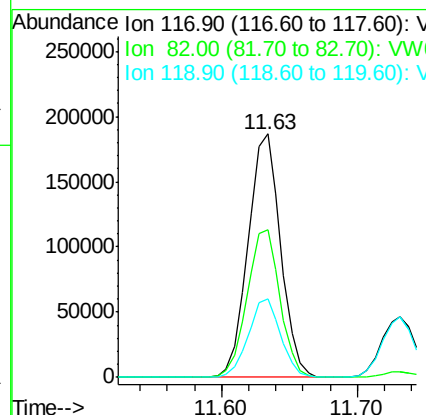
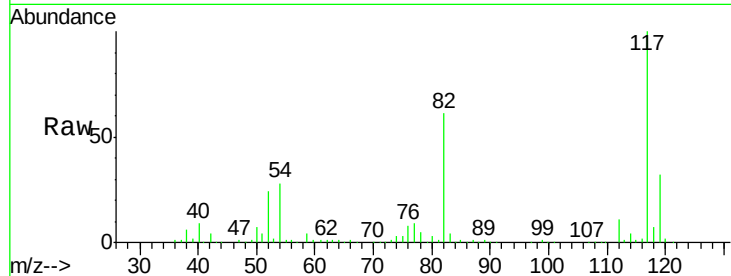
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	312862		
82	60.6	47.9	71.9	
119	32.2	26.2	39.2	

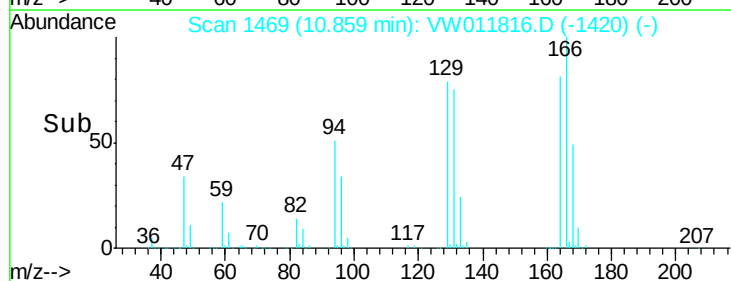
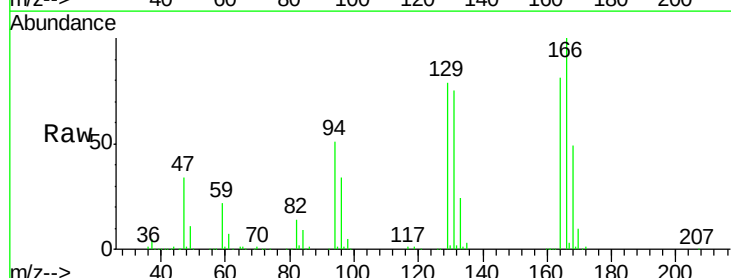
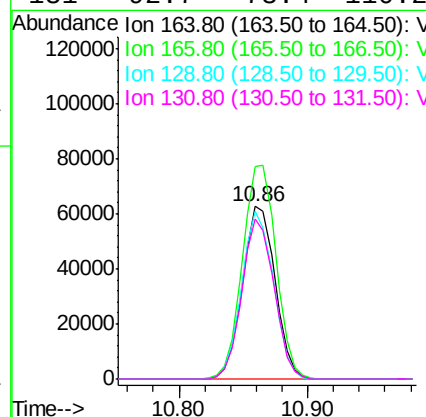
Manual Integrations
APPROVED

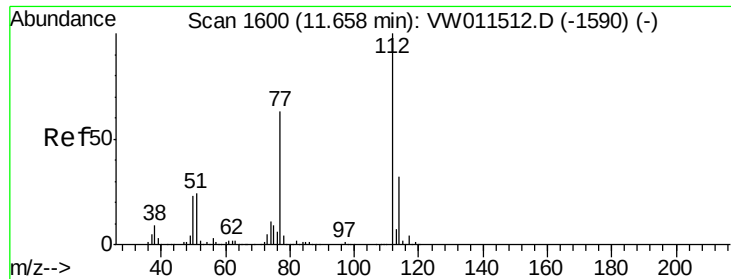
MMDadoda
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#64
Tetrachloroethene
Concen: 53.713 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109418		
166	123.1	103.5	155.3	
129	96.9	75.2	112.8	
131	92.7	73.4	110.2	





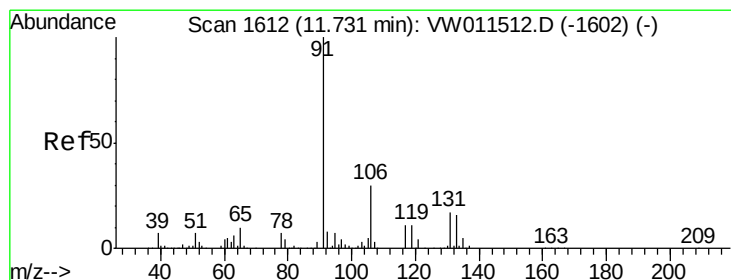
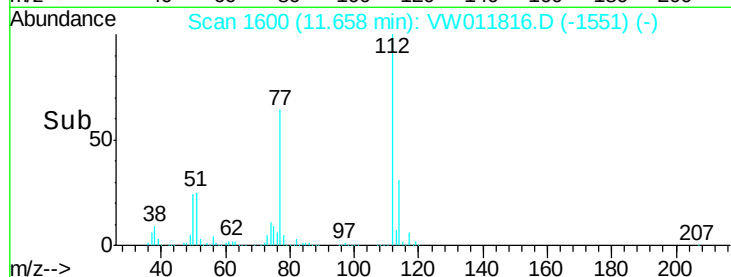
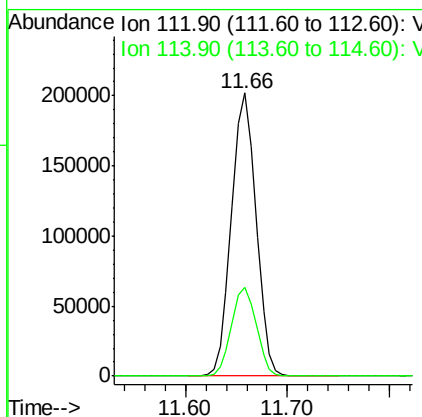
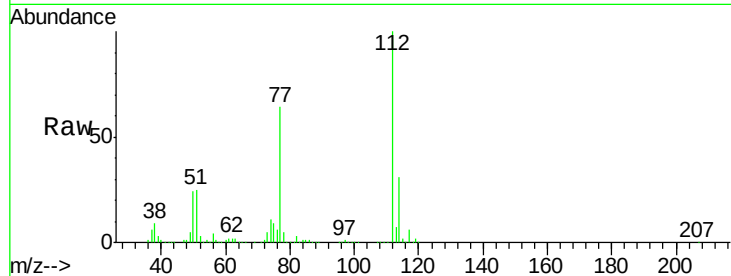
#65
Chlorobenzene
Concen: 53.563 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	336912		
114	31.5	25.6	38.4	

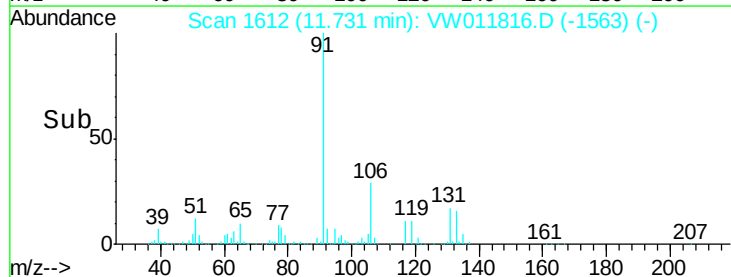
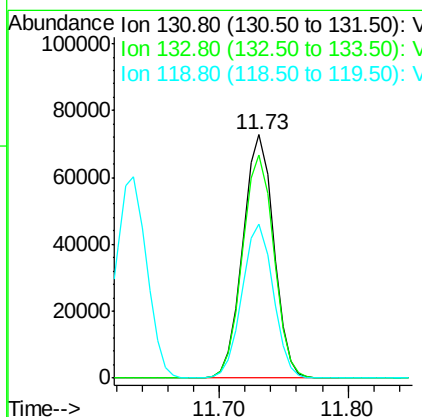
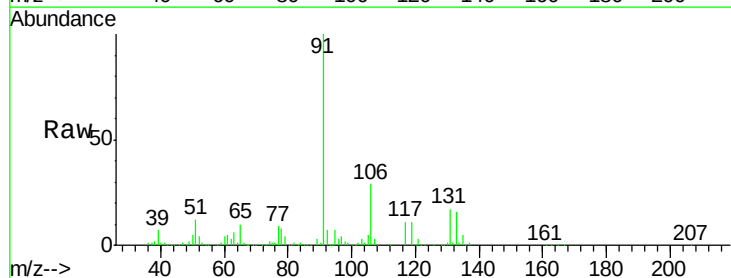
Manual Integrations
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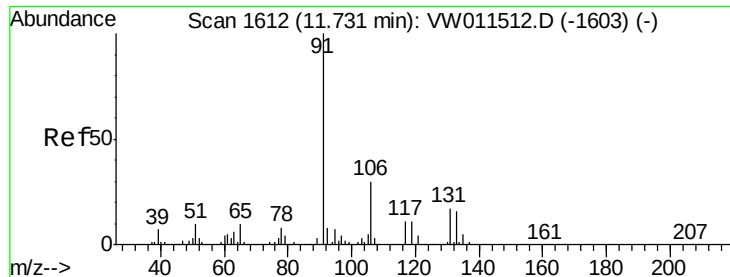
MMDadoda
8/13/2019 2:43:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.934 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	120357		
133	93.5	47.4	142.2	
119	64.2	32.3	96.9	





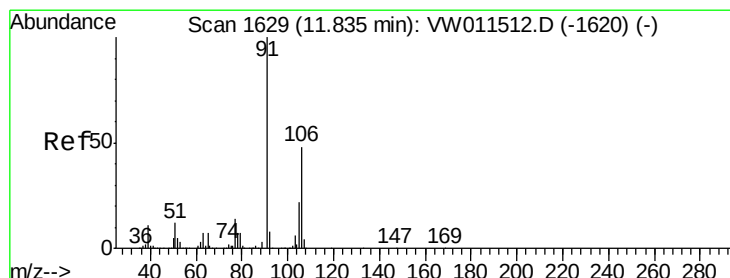
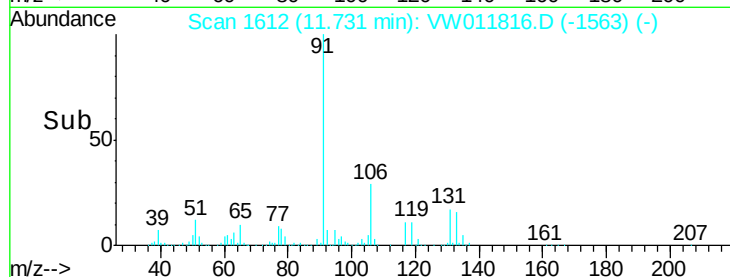
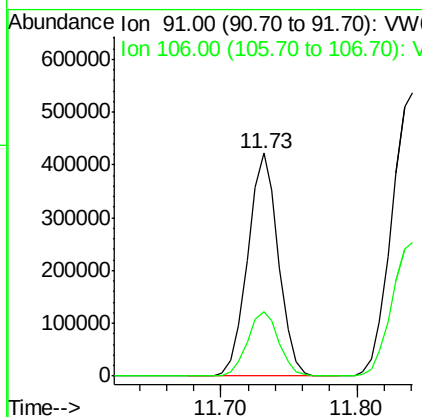
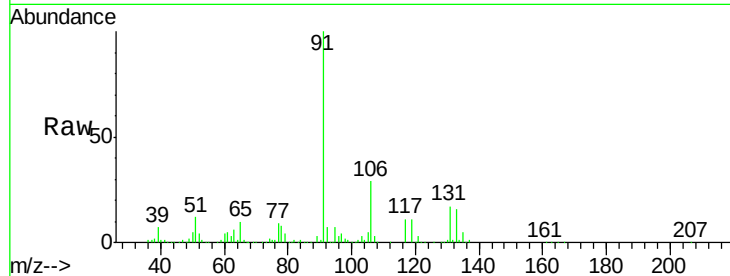
#67
Ethyl Benzene
Concen: 55.458 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.8	35.6

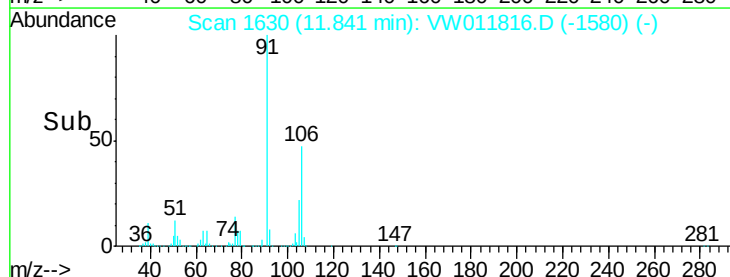
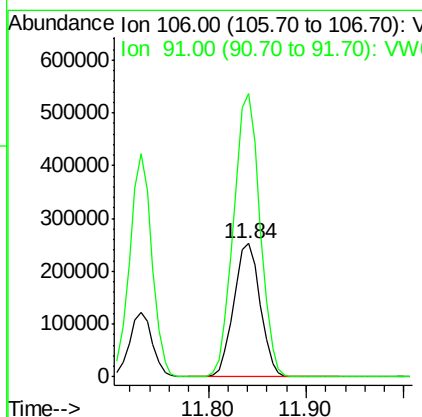
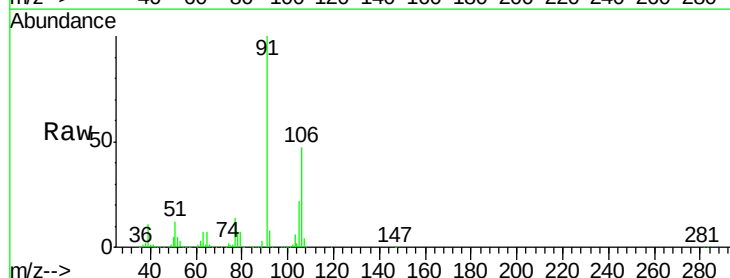
Manual Integrations
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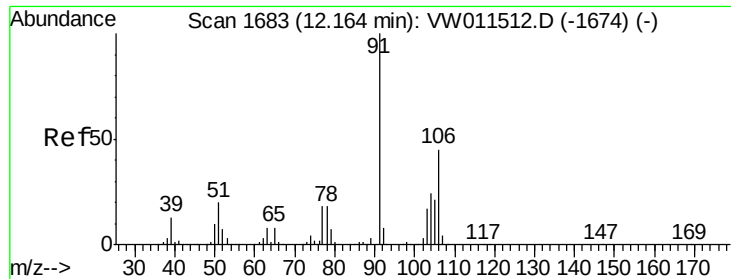
MMDadoda
8/13/2019 2:43:55 PM



#68
m/p-Xylenes
Concen: 109.086 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.4	168.2	252.2





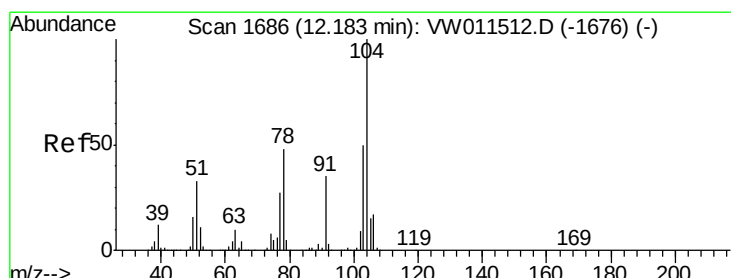
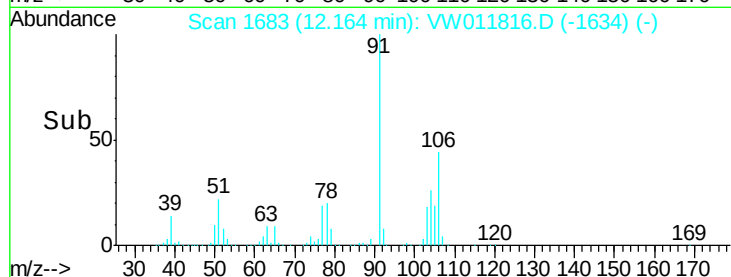
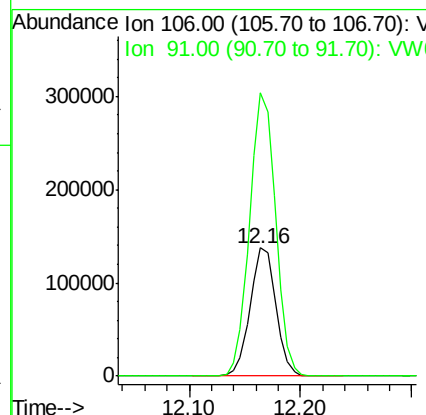
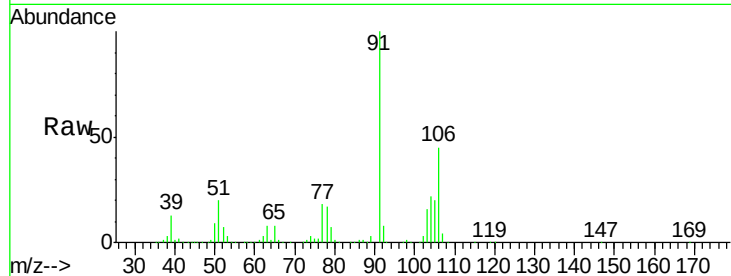
#69
o-Xylene
Concen: 54.829 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	221970		
91	222.8	110.5	331.5	

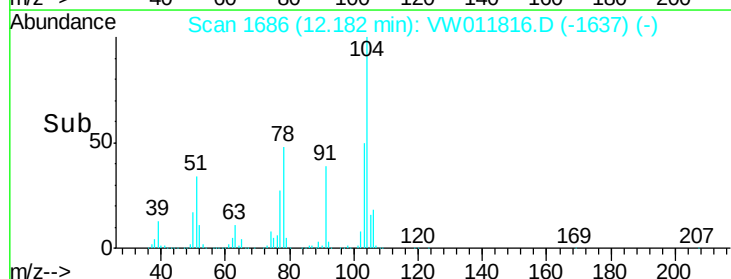
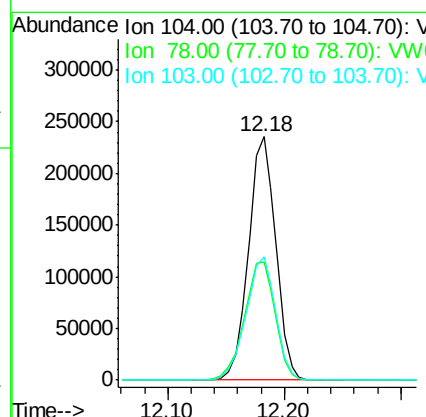
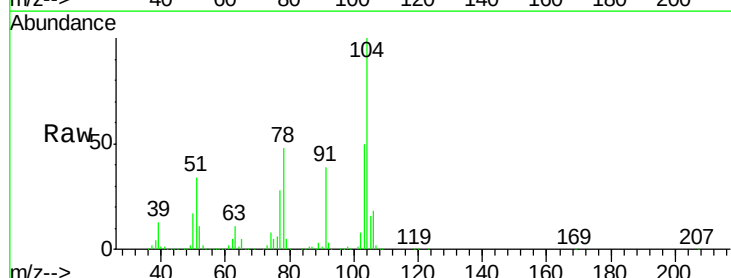
Manual Integrations
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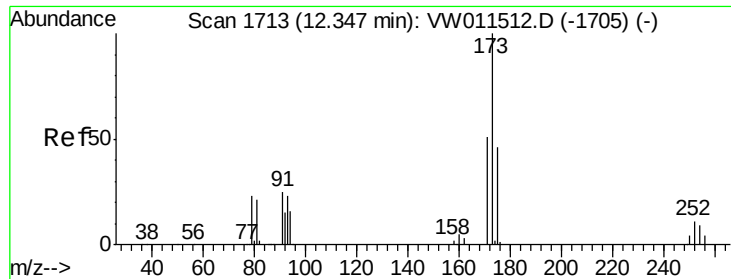
MMDadoda
8/13/2019 2:43:55 PM



#70
Styrene
Concen: 55.092 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	385628		
78	54.4	43.4	65.0	
103	54.6	43.9	65.9	





#71

Bromoform

Concen: 54.225 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 60574

Ion Ratio Lower Upper

173 100

175 48.3 23.6 71.0

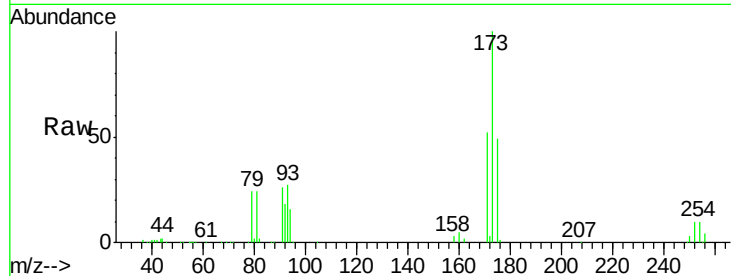
254 0.2 0.1 0.1#

Manual Integrations

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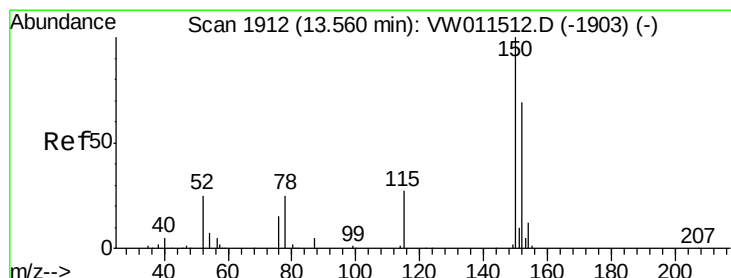
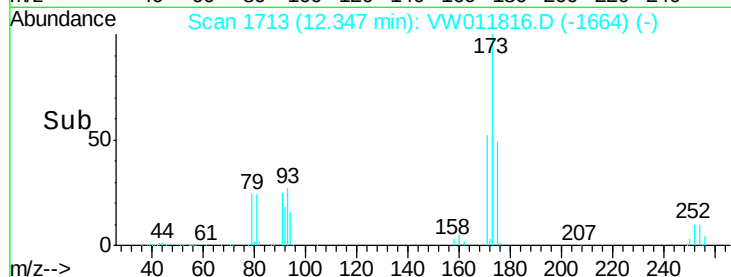
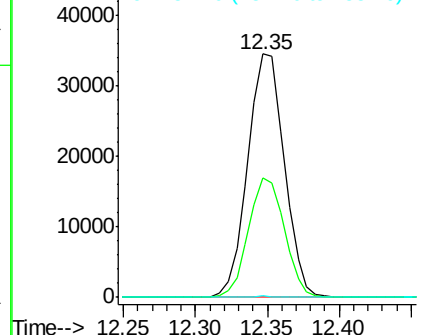
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VW011816.D

Acq: 09 Aug 2019 16:50

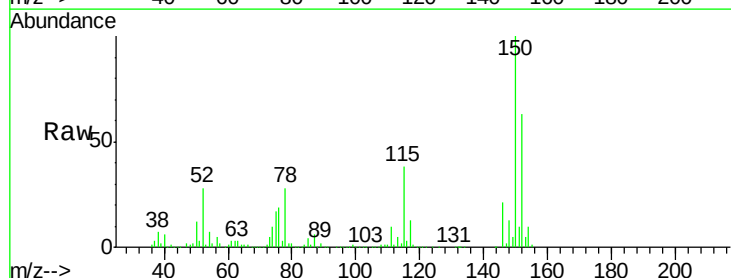
Tgt Ion:152 Resp: 152722

Ion Ratio Lower Upper

152 100

115 59.7 30.5 91.5

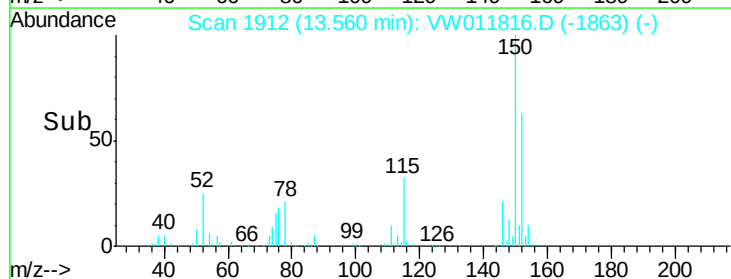
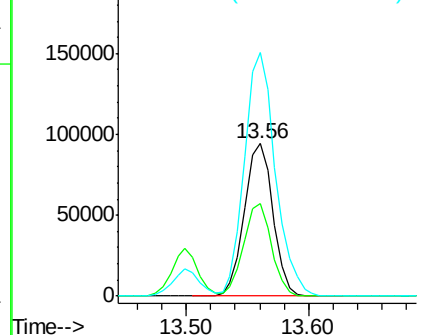
150 173.2 0.0 352.6

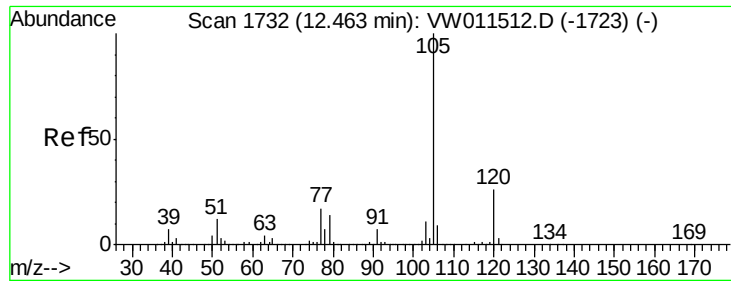


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.604 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 622123

Ion Ratio Lower Upper

105 100

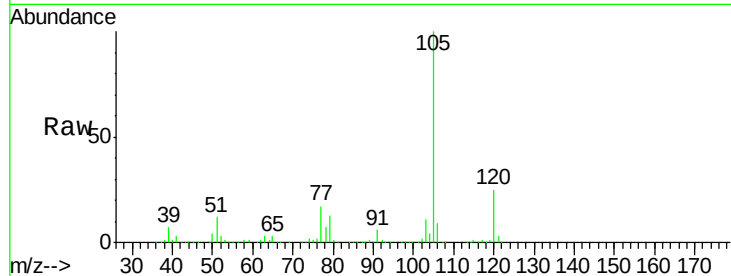
120 25.5 12.9 38.7

Manual Integrations

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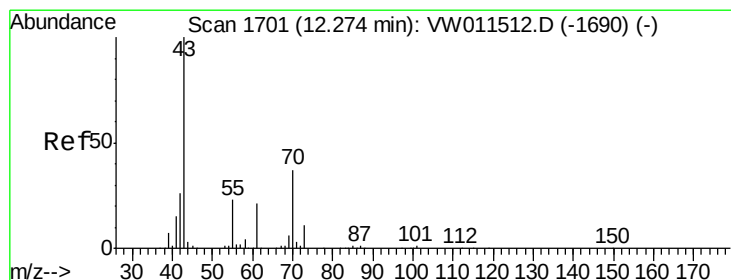
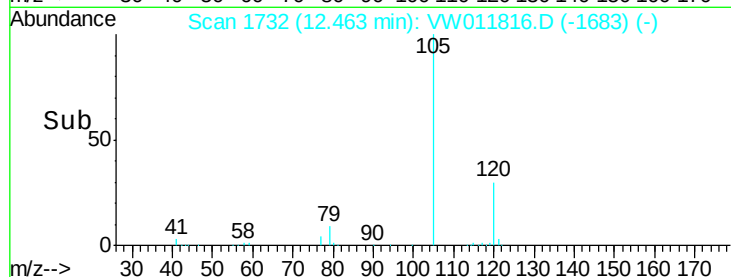
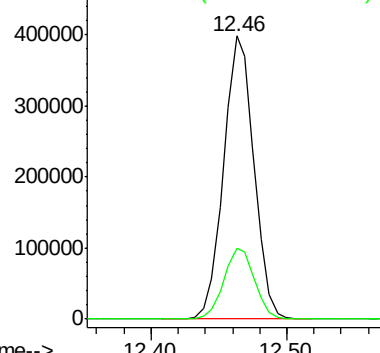
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.210 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion: 43 Resp: 193369

Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 22.8 17.8 26.8

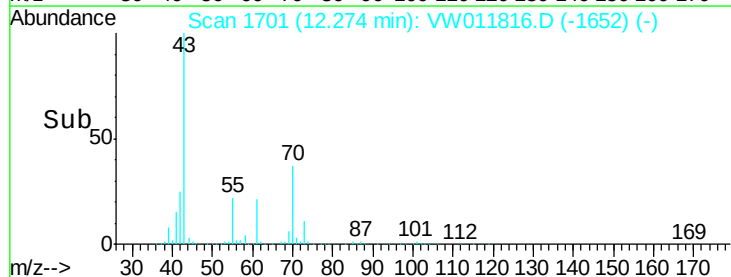
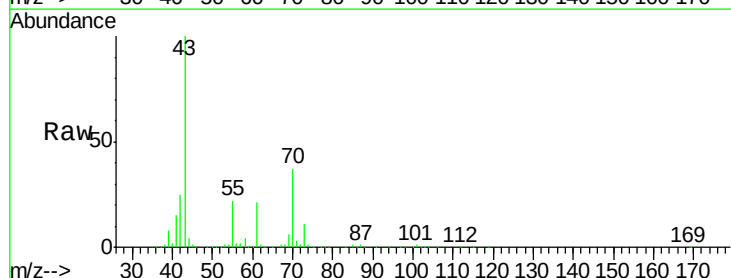
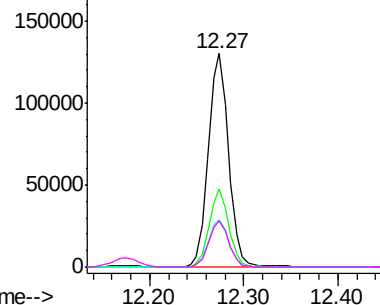
61 21.3 17.0 25.6

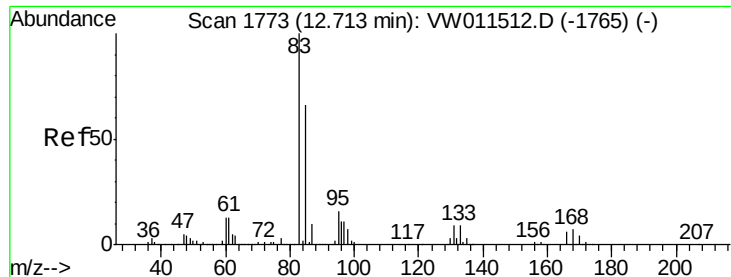
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.122 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

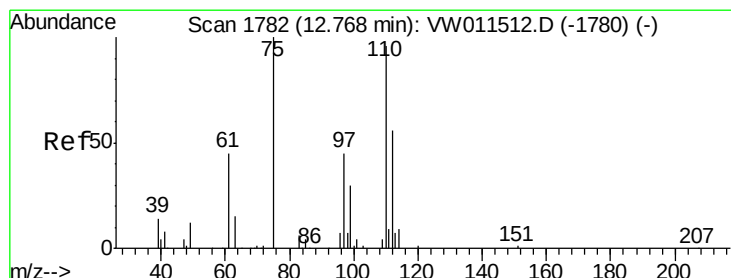
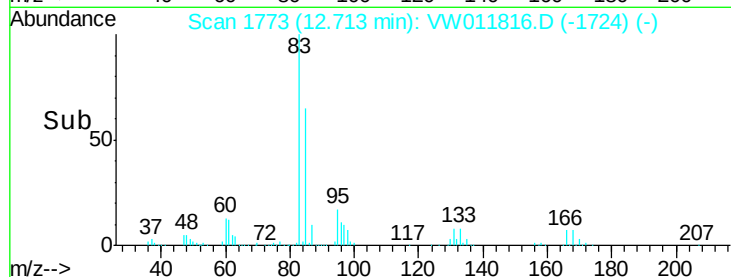
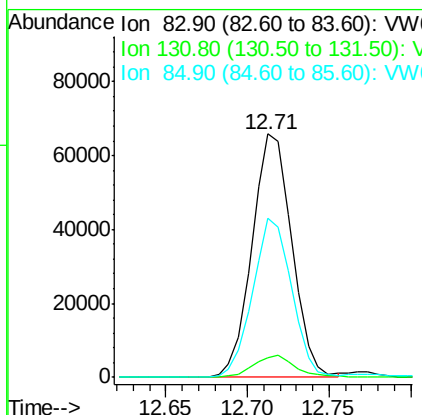
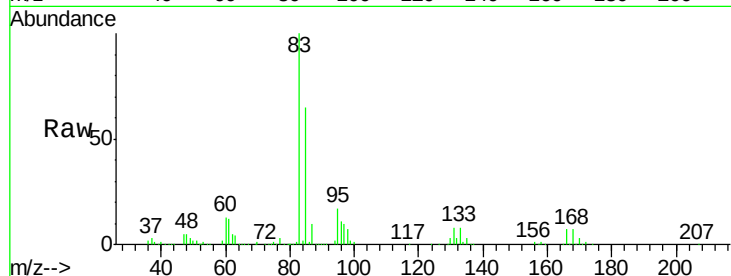
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	111703
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	64.0	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.325 ug/l m

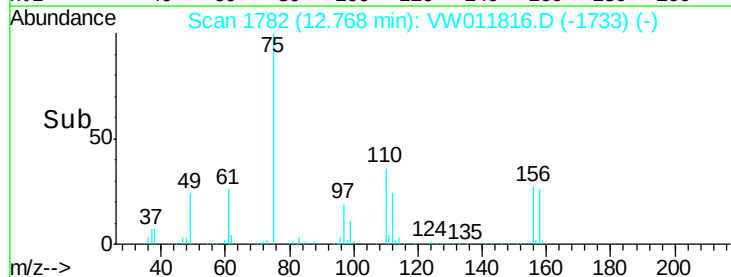
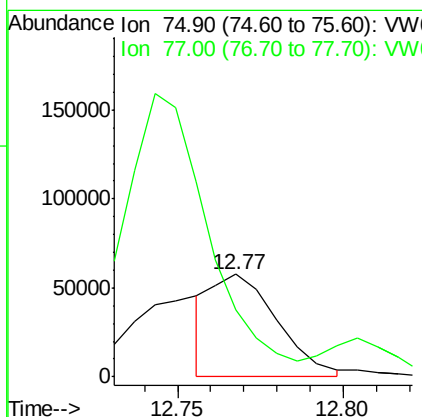
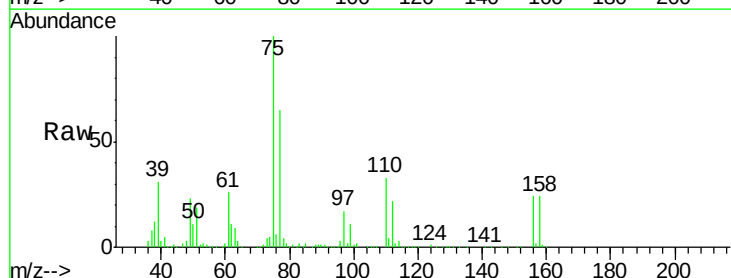
RT: 12.77 min Scan# 1782

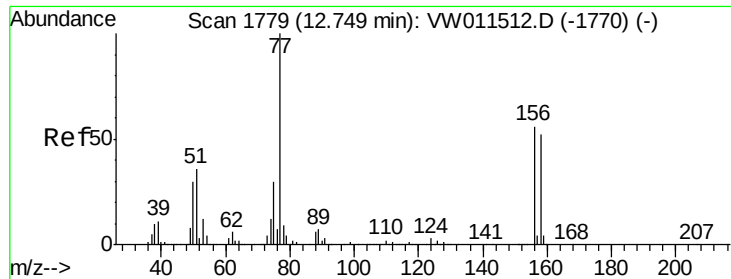
Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion:	75	Resp:	79708
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.302 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

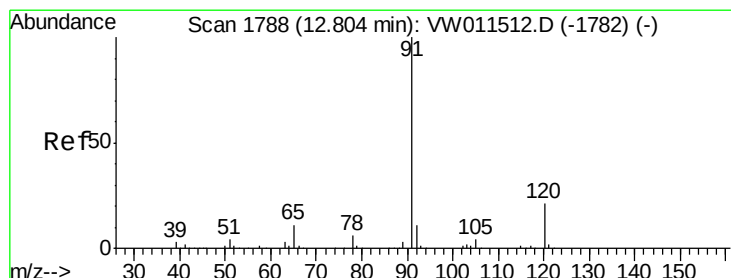
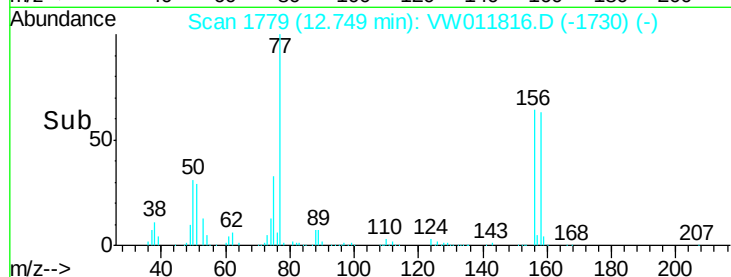
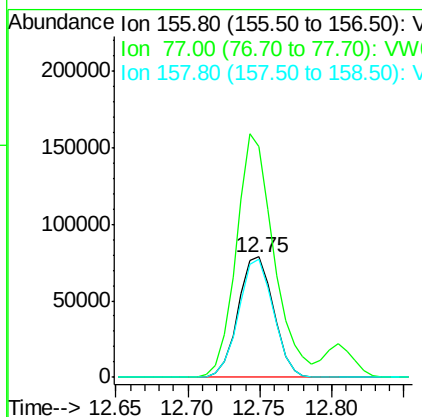
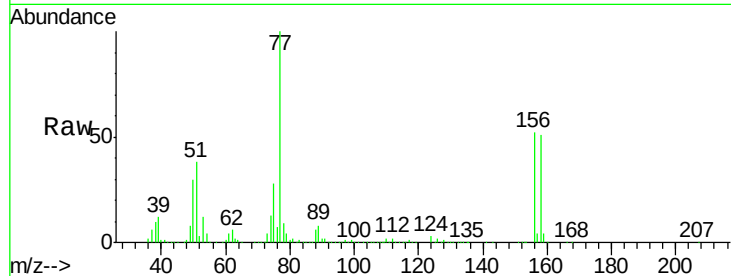
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	134229
Ion Ratio	Lower	Upper	
156	100		
77	214.1	106.5	319.4
158	96.0	48.0	144.2

Manual Integrations
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8/13/2019 2:43:55 PM



#78

n-propylbenzene

Concen: 54.989 ug/l

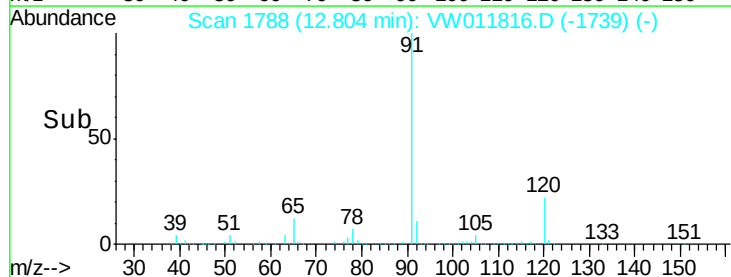
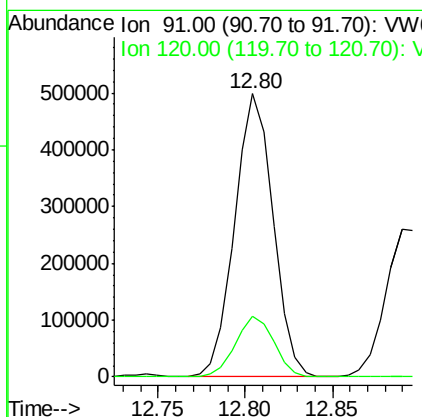
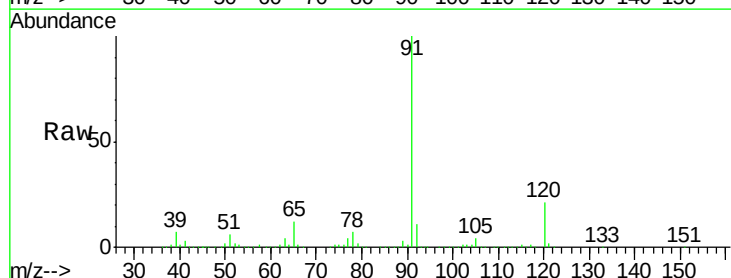
RT: 12.80 min Scan# 1788

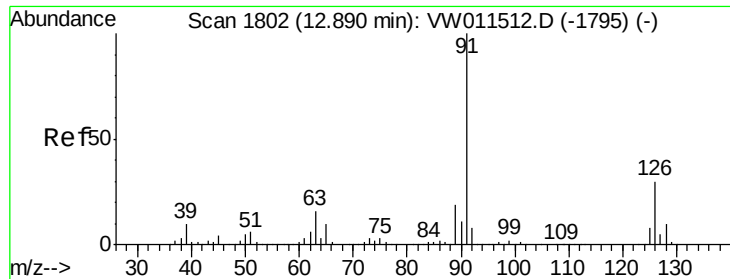
Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion:	91	Resp:	762466
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.9	32.7





#79

2-Chlorotoluene

Concen: 54.019 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 431513

Ion Ratio Lower Upper

91 100

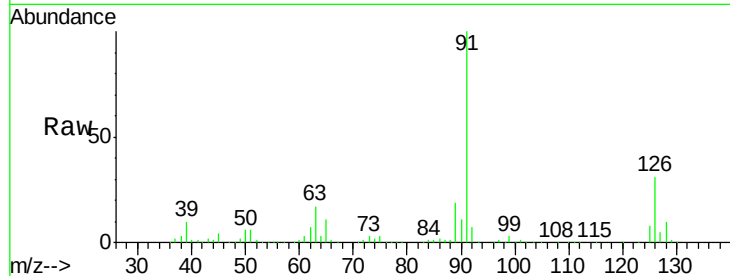
126 31.0 15.7 47.1

Manual Integrations

APPROVED

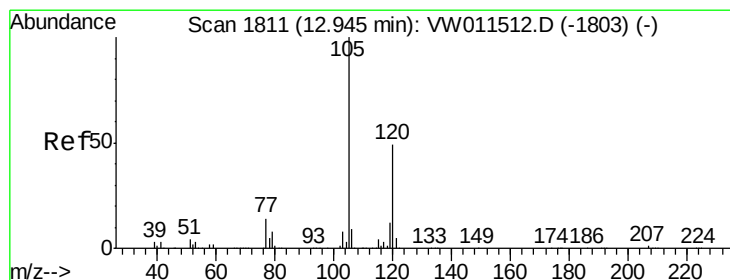
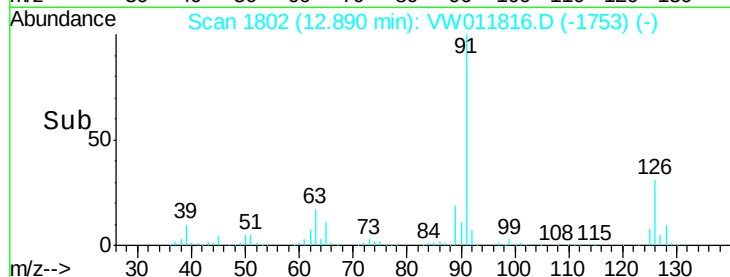
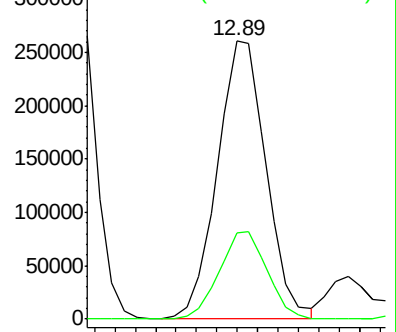
MMDadoda

8/13/2019 2:43:55 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.975 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011816.D

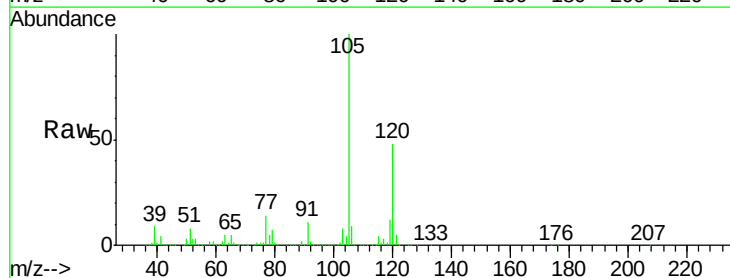
Acq: 09 Aug 2019 16:50

Tgt Ion: 105 Resp: 525040

Ion Ratio Lower Upper

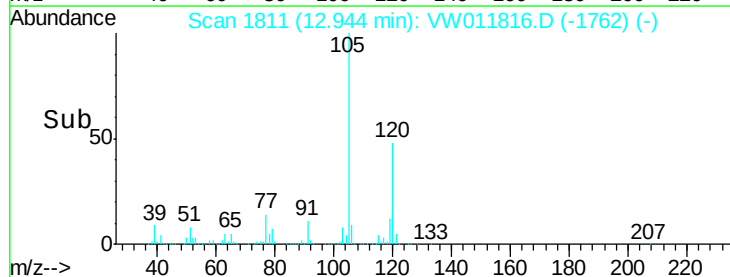
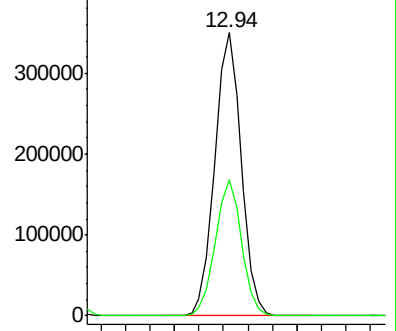
105 100

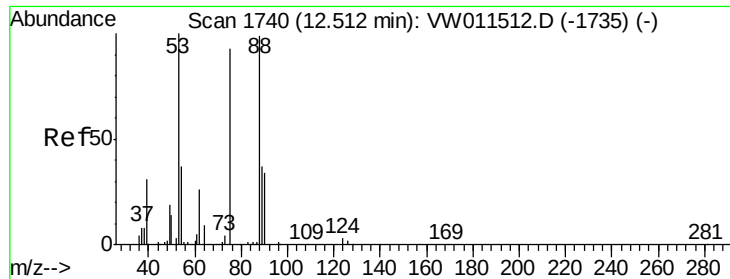
120 47.3 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





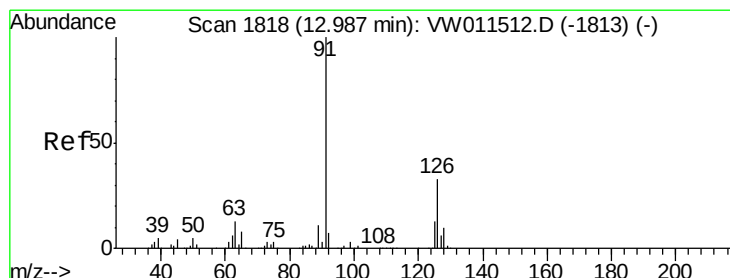
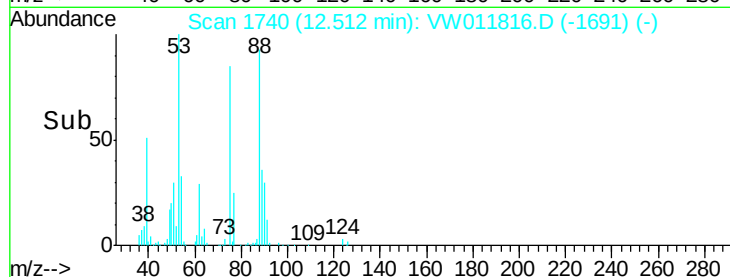
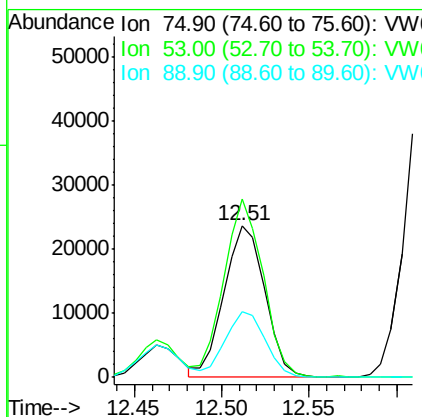
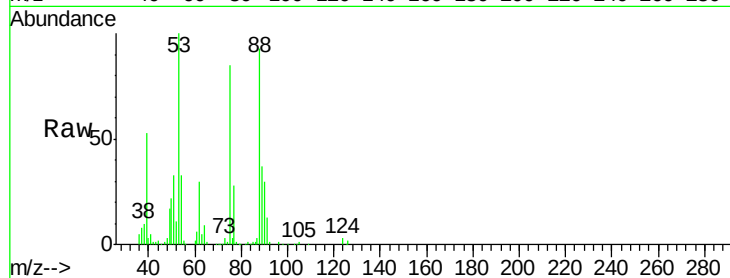
#81
trans-1,4-Dichloro-2-butene
Concen: 55.074 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.7	88.0	132.0
89	42.1	35.3	52.9

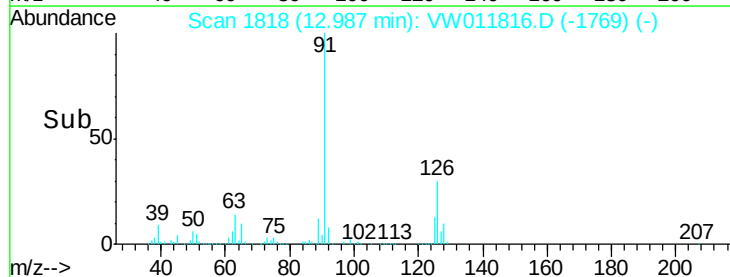
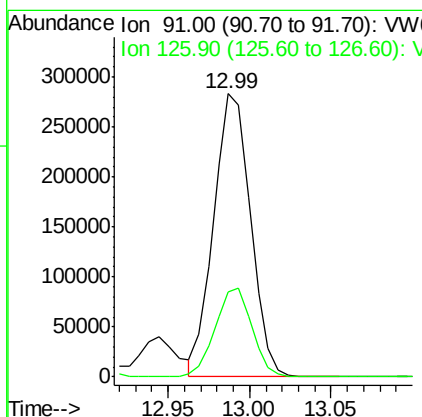
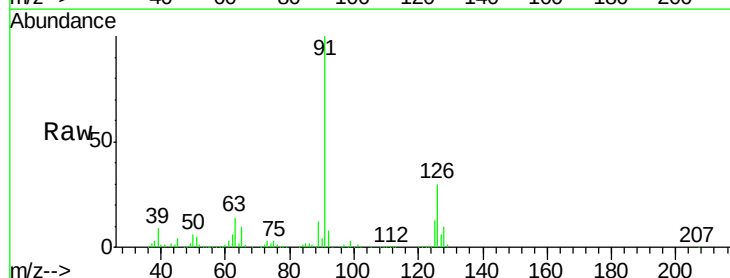
Manual Integrations
APPROVED

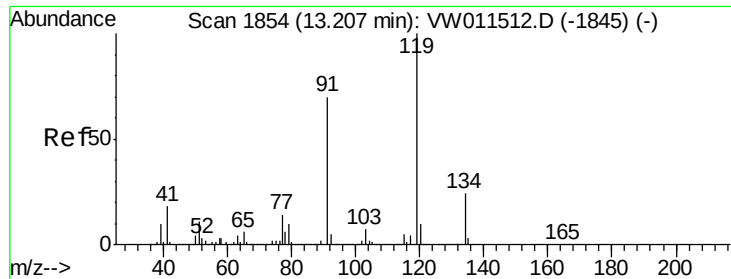
MMDadoda
8/13/2019 2:43:55 PM



#82
4-Chlorotoluene
Concen: 53.295 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.8





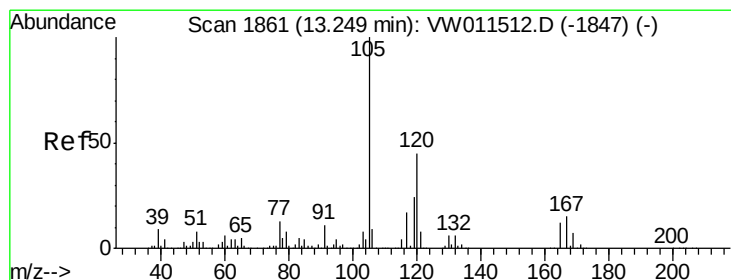
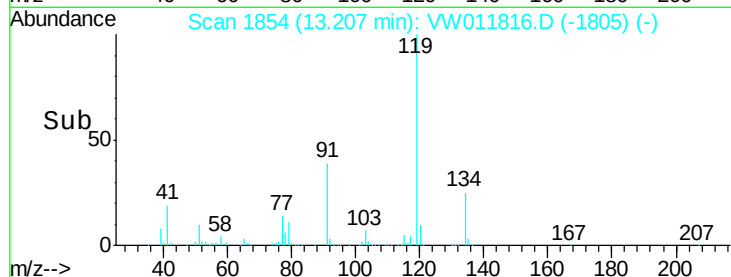
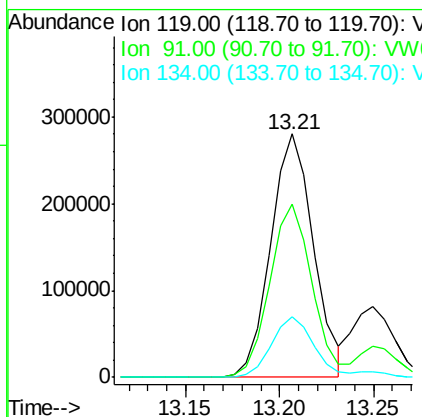
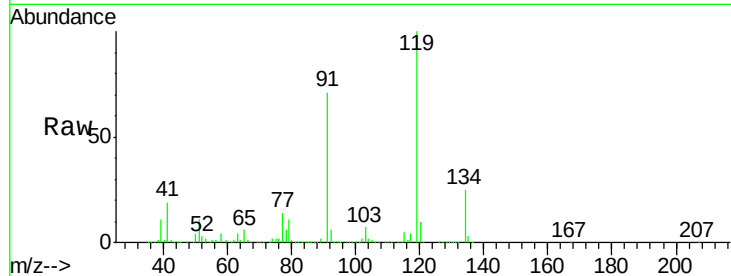
#83
 tert-Butylbenzene
 Concen: 55.302 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	441676		
91	69.7	34.5	103.6	
134	26.6	12.4	37.4	

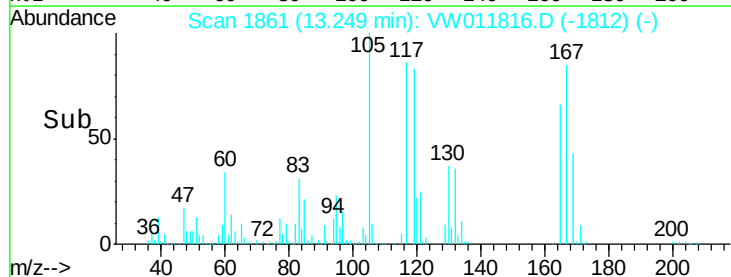
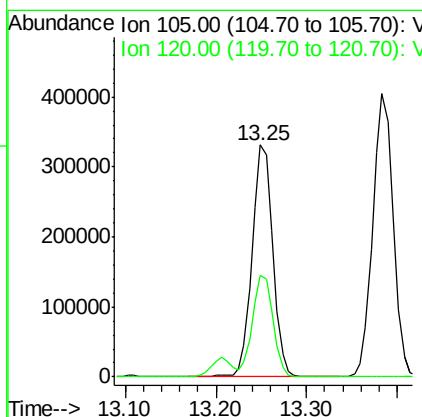
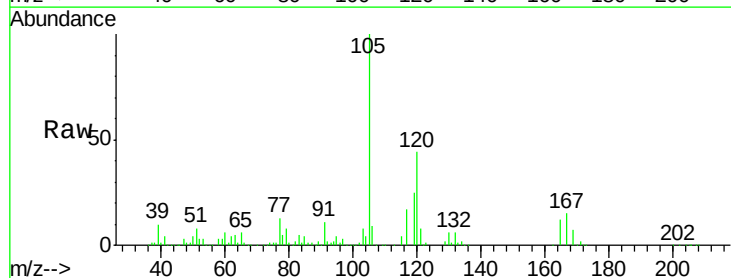
Manual Integrations
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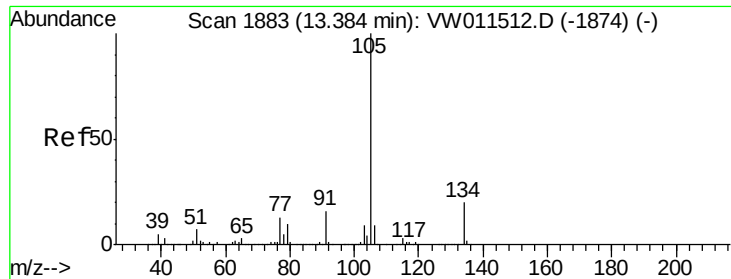
MMDadoda
 8/13/2019 2:43:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.308 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	522484		
120	43.8	22.1	66.5	





#85

sec-Butylbenzene

Concen: 55.259 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 629722

Ion Ratio Lower Upper

105 100

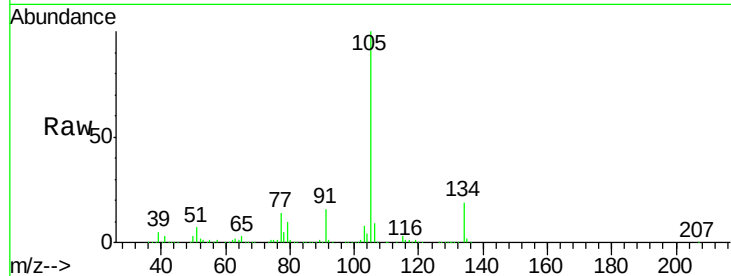
134 19.6 9.7 29.1

Manual Integrations

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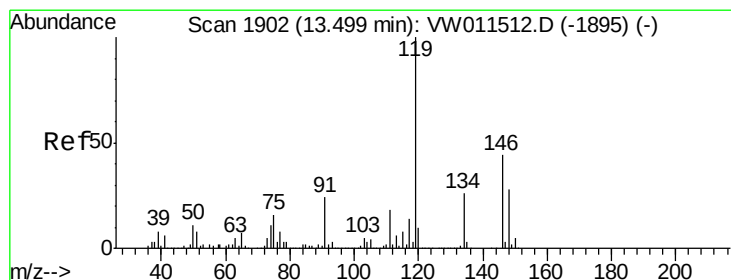
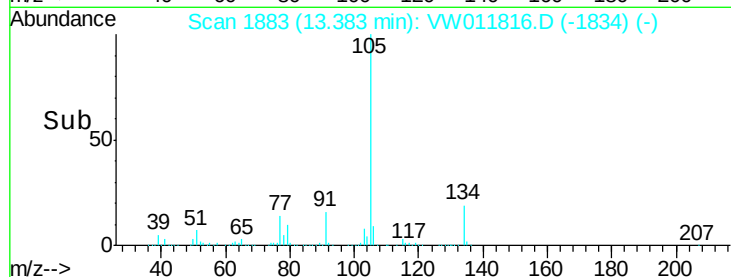
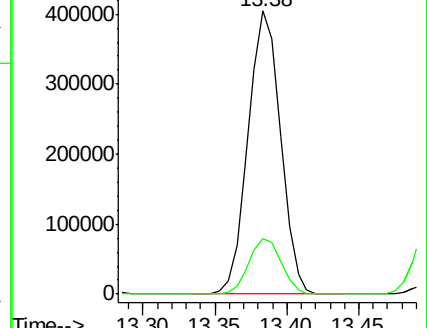
MMDadoda

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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: 55.045 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

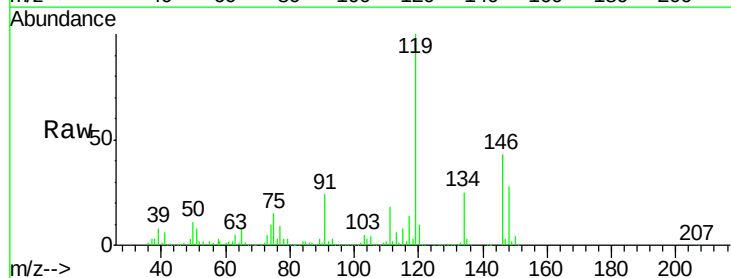
Tgt Ion:119 Resp: 569147

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

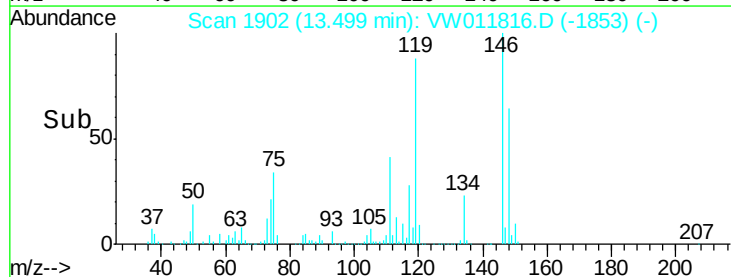
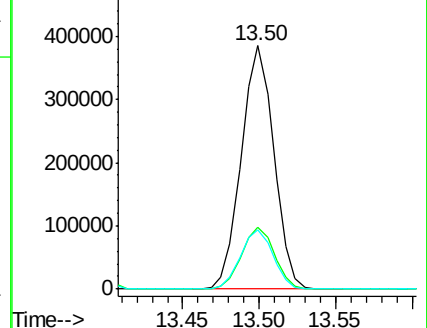
91 24.6 12.1 36.3

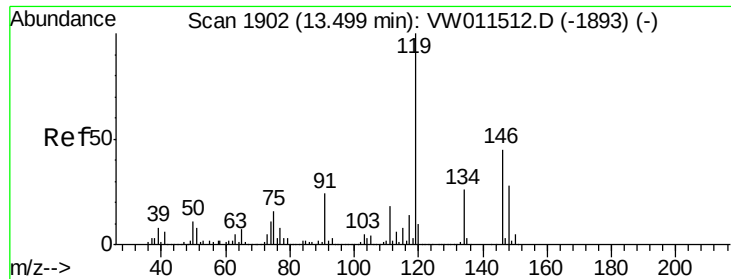


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





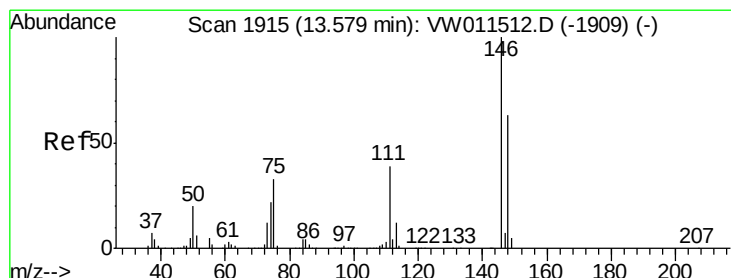
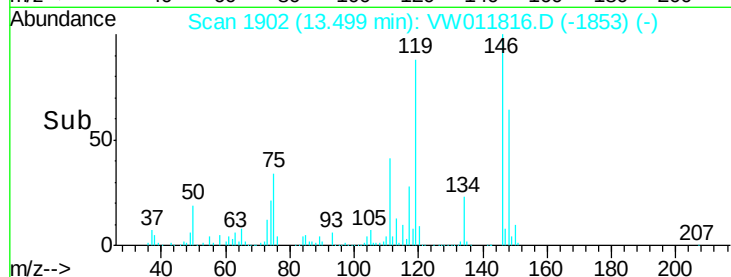
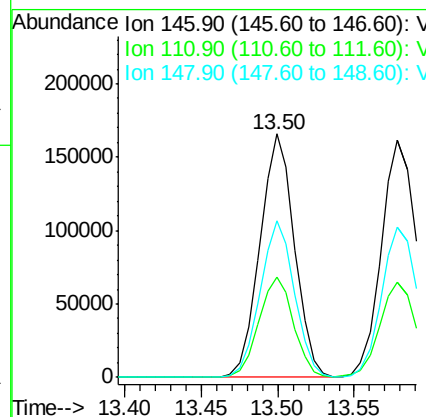
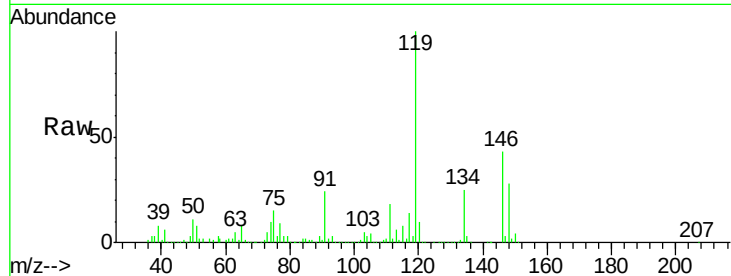
#87
 1,3-Dichlorobenzene
 Concen: 52.793 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	260683		
111	41.4	20.5	61.6	
148	63.9	31.8	95.3	

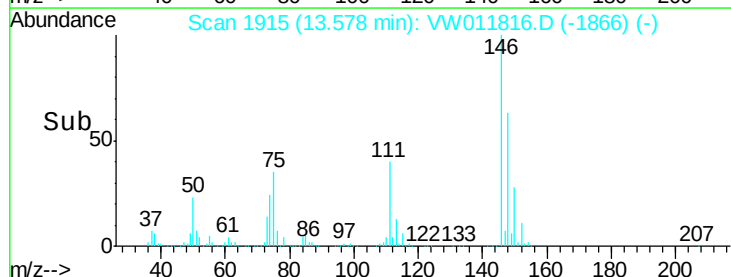
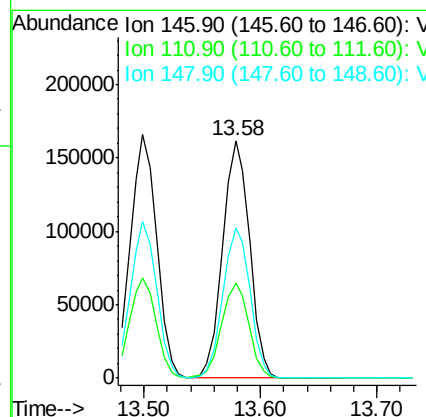
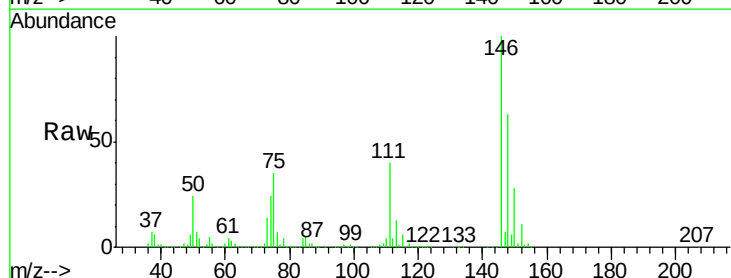
Manual Integrations
 APPROVED

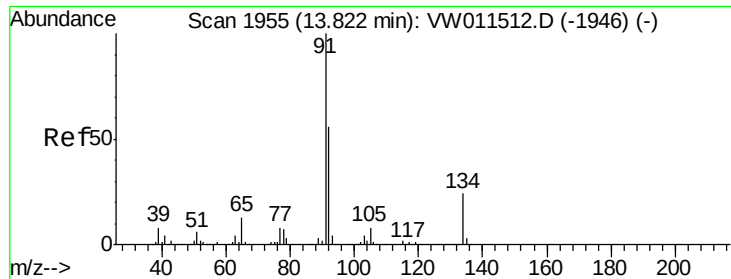
MMDadoda
 8/13/2019 2:43:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.606 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	258401		
111	40.6	20.1	60.2	
148	63.8	31.9	95.9	





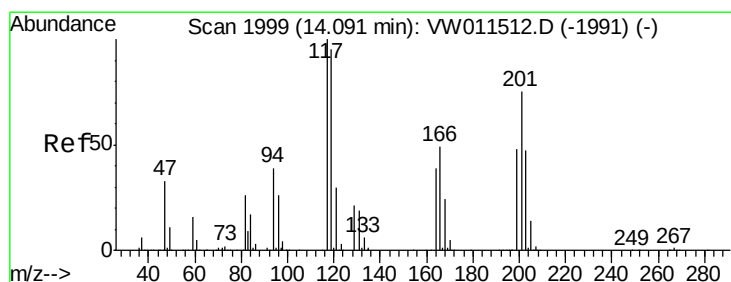
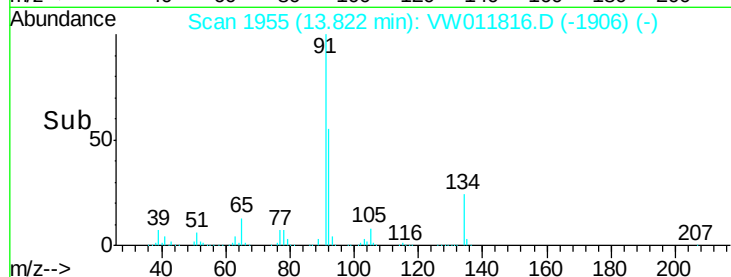
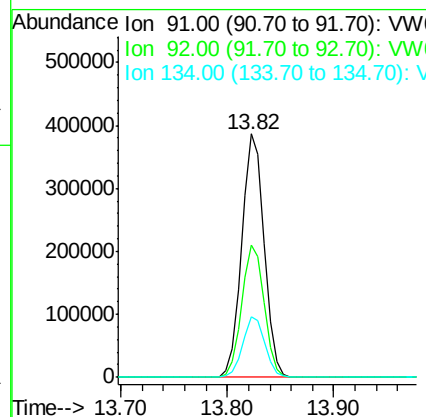
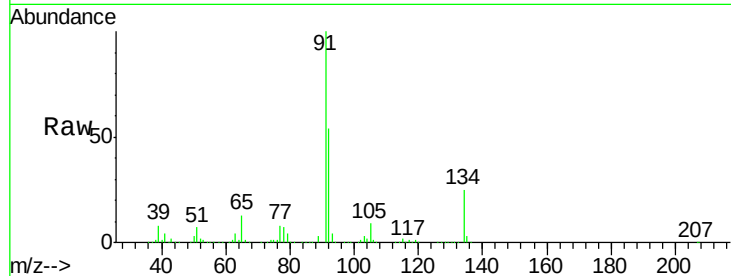
#89
n-Butylbenzene
Concen: 55.288 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	570483		
92	54.7		27.5	82.4
134	24.6		12.2	36.6

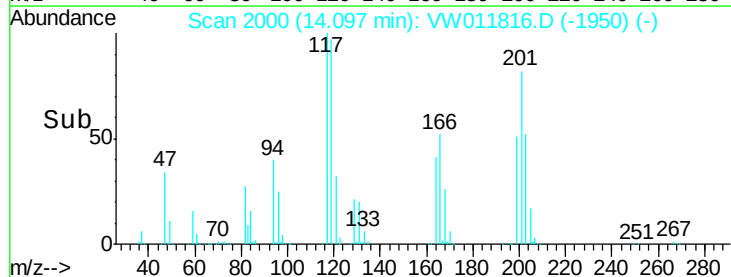
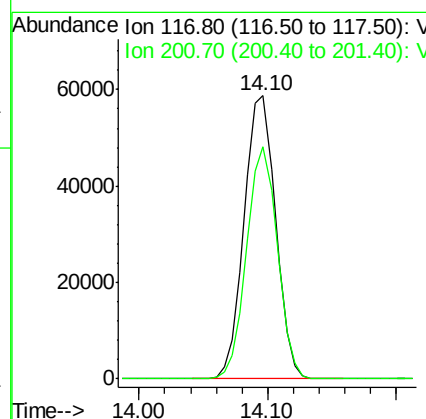
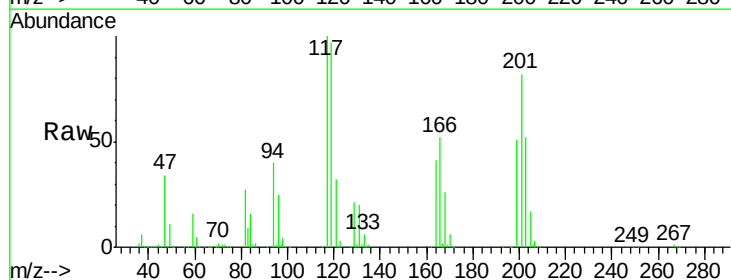
Manual Integrations
APPROVED

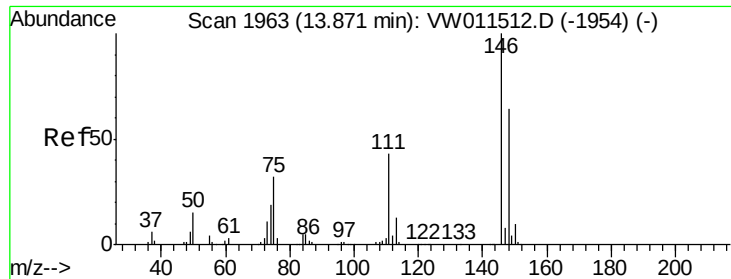
MMDadoda
8/13/2019 2:43:55 PM



#90
Hexachloroethane
Concen: 54.407 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW011816.D
Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	99475		
201	79.8		39.4	118.2





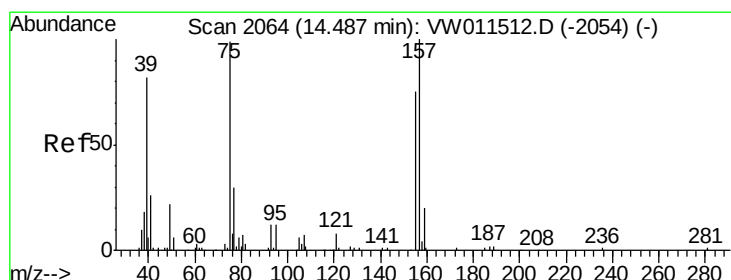
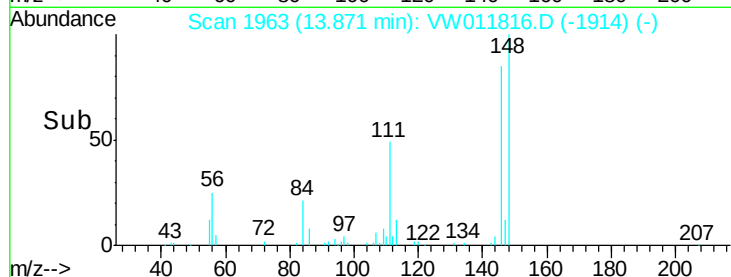
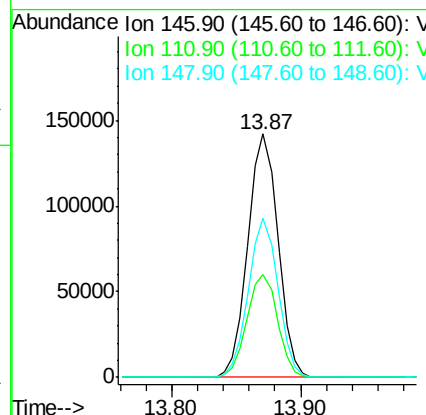
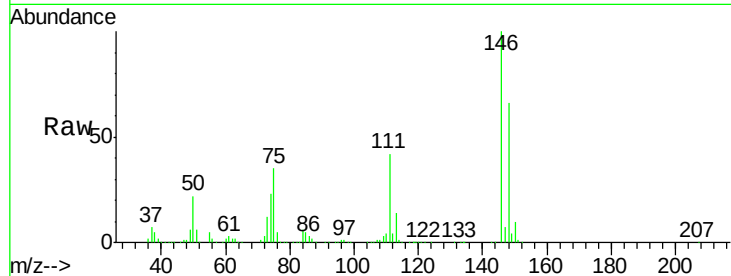
#91
 1,2-Dichlorobenzene
 Concen: 52.508 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	229315		
111	43.1	21.6	65.0	
148	64.3	32.0	96.2	

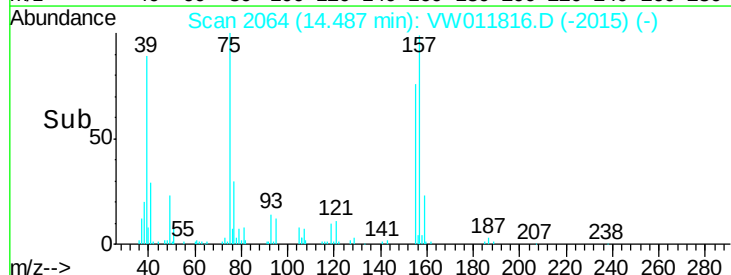
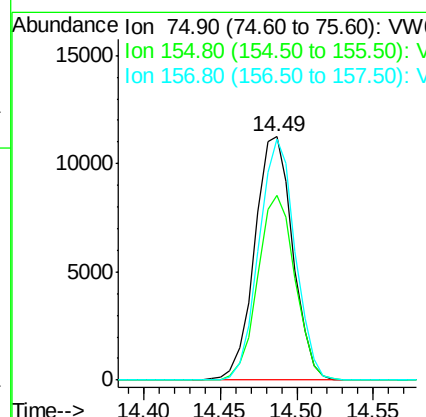
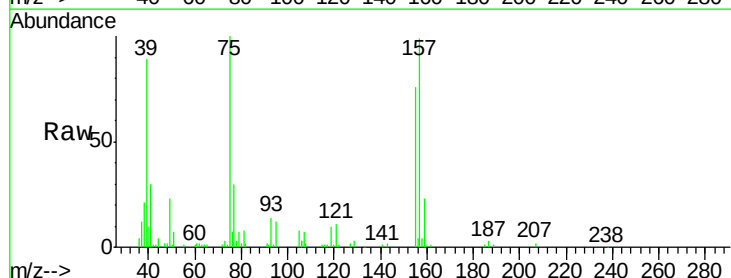
Manual Integrations
 APPROVED

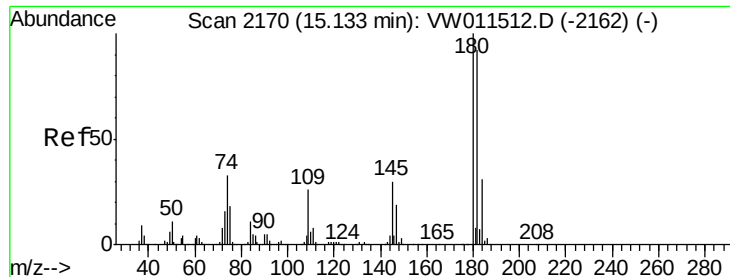
MMDadoda
 8/13/2019 2:43:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.189 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19438		
155	74.5	38.2	114.6	
157	94.3	48.9	146.7	





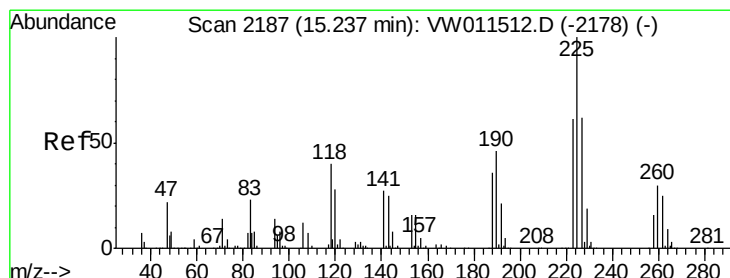
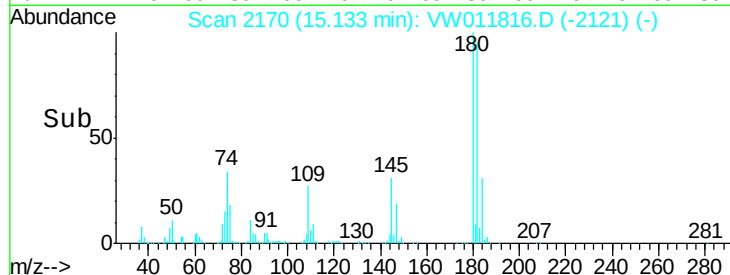
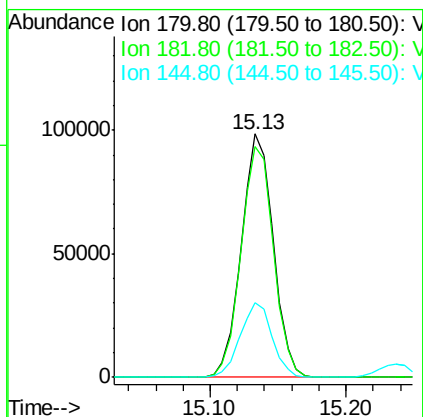
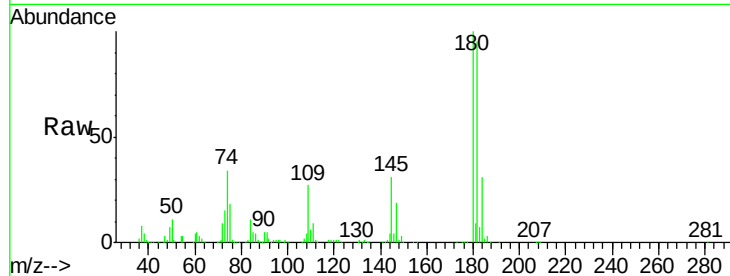
#93
 1,2,4-Trichlorobenzene
 Concen: 52.381 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161226		
182	96.6	47.4	142.2	
145	30.7	15.4	46.1	

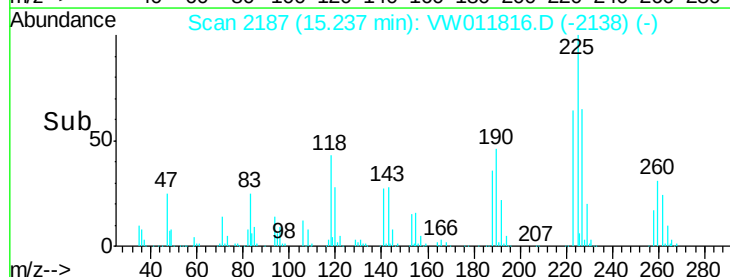
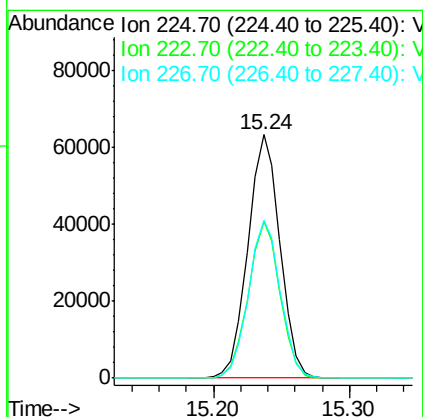
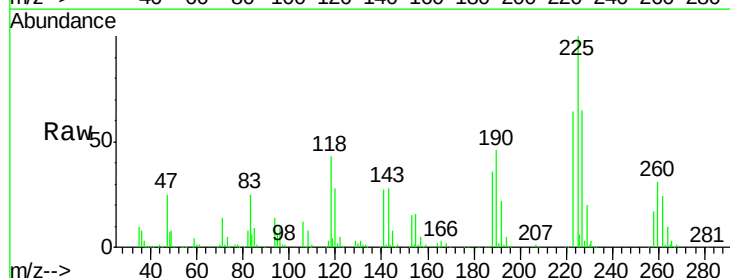
Manual Integrations
 APPROVED

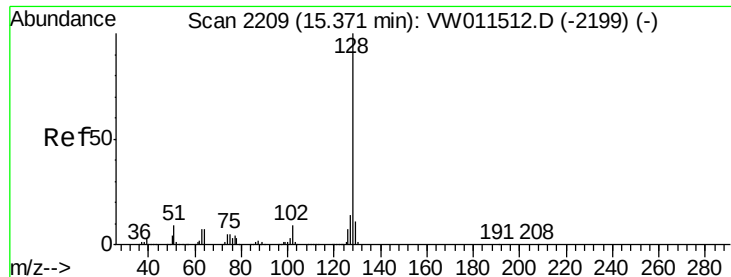
MMDadoda
 8/13/2019 2:43:55 PM



#94
 Hexachlorobutadiene
 Concen: 54.334 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011816.D
 Acq: 09 Aug 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104291		
223	63.7	30.8	92.3	
227	64.6	31.6	94.7	





#95

Naphthalene

Concen: 49.044 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Instrument :

MSVOA_W

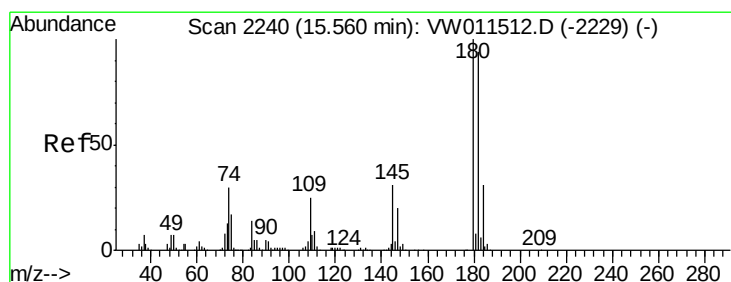
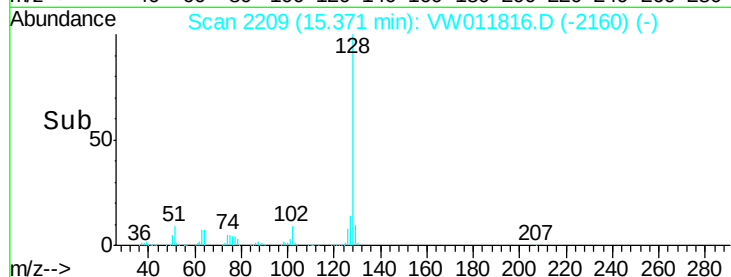
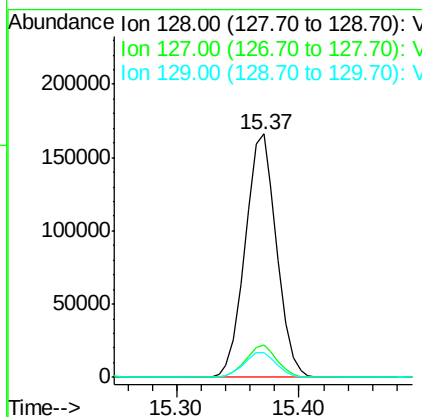
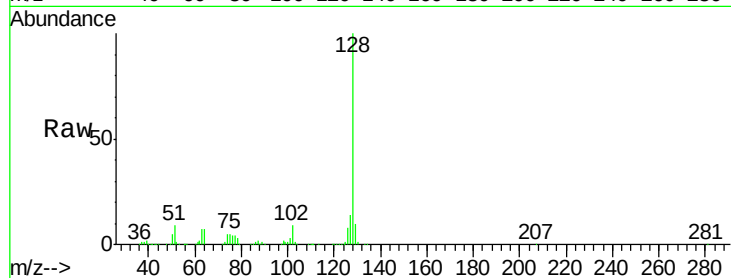
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	295449
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/13/2019 2:43:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.317 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011816.D

Acq: 09 Aug 2019 16:50

Tgt Ion:	180	Resp:	141150
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.4	142.2
145	32.3	15.9	47.7

