

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008766.D
 Acq On : 21 Feb 2019 12:13
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:25:16 PM

Quant Time: Feb 22 00:33:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:19:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	486015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	255801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	153321	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.88	113	143722	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.32	98	584838	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.62	95	221587	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	162395	48.029	ug/l	100
3) Chloromethane	2.21	50	201928	49.061	ug/l	100
4) Vinyl Chloride	2.35	62	210750	48.362	ug/l	100
5) Bromomethane	2.76	94	150348	46.450	ug/l	100
6) Chloroethane	2.91	64	153684	49.664	ug/l	100
7) Trichlorofluoromethane	3.26	101	257952	46.803	ug/l	100
8) Diethyl Ether	3.68	74	78197	44.815	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	157563	47.077	ug/l	100
10) Methyl Iodide	4.27	142	223954	53.510	ug/l	100
11) Tert butyl alcohol	5.17	59	62462	227.139	ug/l	100
12) 1,1-Dichloroethene	4.04	96	141549	47.888	ug/l	100
13) Acrolein	3.89	56	69294	259.953	ug/l	100
14) Allyl chloride	4.67	41	245239	48.072	ug/l	100
15) Acrylonitrile	5.37	53	176462	235.644	ug/l	100
16) Acetone	4.12	43	184299	251.116	ug/l	100
17) Carbon Disulfide	4.37	76	493565	50.328	ug/l	100
18) Methyl Acetate	4.68	43	74567	42.835	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	373861	46.730	ug/l	100
20) Methylene Chloride	4.92	84	179691	41.527	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	161235	47.157	ug/l	100
22) Diisopropyl ether	6.31	45	490346	48.184	ug/l	100
23) Vinyl Acetate	6.26	43	1501974	238.877	ug/l	100
24) 1,1-Dichloroethane	6.21	63	276227	46.841	ug/l	100
25) 2-Butanone	7.17	43	249237	242.905	ug/l	100
26) 2,2-Dichloropropane	7.17	77	243756	45.529	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	170453	46.605	ug/l	100
28) Bromochloromethane	7.51	49	118787	48.136	ug/l	100
29) Tetrahydrofuran	7.53	42	152851	233.759	ug/l	100
30) Chloroform	7.68	83	282555	46.706	ug/l	100
31) Cyclohexane	7.95	56	272081	45.581	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	258638	47.011	ug/l	100
36) 1,1-Dichloropropene	8.08	75	227773	48.144	ug/l	100
37) Ethyl Acetate	7.25	43	102668	46.666	ug/l	100
38) Carbon Tetrachloride	8.07	117	236535	47.408	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	292562	49.577	ug/l	100
40) Benzene	8.32	78	636689	49.290	ug/l	100
41) Methacrylonitrile	7.49	41	58160	44.974	ug/l	100
42) 1,2-Dichloroethane	8.40	62	193864	47.378	ug/l	100
43) Isopropyl Acetate	8.42	43	206299	46.984	ug/l	100
44) Trichloroethene	9.09	130	175405	48.203	ug/l	100
45) 1,2-Dichloropropane	9.37	63	152262	47.701	ug/l	100
46) Dibromomethane	9.46	93	83117	46.813	ug/l	100
47) Bromodichloromethane	9.65	83	205698	47.616	ug/l	100
48) Methyl methacrylate	9.44	41	98726	46.946	ug/l	100
49) 1,4-Dioxane	9.45	88	30196	1061.988	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	541823	243.053	ug/l	100
52) Toluene	10.38	92	435599	49.689	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	214998	48.829	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	244466	48.681	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	114641	47.610	ug/l	100
56) Ethyl methacrylate	10.65	69	159822	51.088	ug/l	100
57) 1,3-Dichloropropane	10.93	76	201228	47.332	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	345177	219.383	ug/l	100
59) 2-Hexanone	10.97	43	400608	252.453	ug/l	100
60) Dibromochloromethane	11.13	129	142473	48.510	ug/l	100
61) 1,2-Dibromoethane	11.23	107	115253	48.356	ug/l	100
64) Tetrachloroethene	10.86	164	165351	49.329	ug/l	100
65) Chlorobenzene	11.66	112	480485	48.798	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	160366	48.168	ug/l	100
67) Ethyl Benzene	11.73	91	869323	49.388	ug/l	100
68) m/p-Xylenes	11.84	106	692228	98.427	ug/l	100
69) o-Xylene	12.16	106	326120	49.403	ug/l	100
70) Styrene	12.18	104	527350	49.655	ug/l	100
71) Bromoform	12.35	173	85266	47.645	ug/l	100
73) Isopropylbenzene	12.46	105	887397	50.604	ug/l	100
74) N-amyl acetate	12.27	43	222882	50.457	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	134915	47.085	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	98180m	44.363	ug/l	
77) Bromobenzene	12.75	156	205219	49.522	ug/l	100
78) n-propylbenzene	12.80	91	1086893	50.669	ug/l	100
79) 2-Chlorotoluene	12.90	91	606502	49.799	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	765601	50.239	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41261	47.495	ug/l	100
82) 4-Chlorotoluene	12.99	91	635822	49.541	ug/l	100
83) tert-Butylbenzene	13.21	119	657477	49.896	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	791402	50.168	ug/l	100
85) sec-Butylbenzene	13.38	105	951817	50.236	ug/l	100
86) p-Isopropyltoluene	13.50	119	872351	50.223	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	422148	49.100	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	417963	49.324	ug/l	100
89) n-Butylbenzene	13.83	91	827890	50.877	ug/l	100
90) Hexachloroethane	14.10	117	143450	50.449	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	373096	48.702	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25826	49.826	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	282347	51.152	ug/l	100
94) Hexachlorobutadiene	15.24	225	166270	51.139	ug/l	100
95) Naphthalene	15.37	128	487115	51.832	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	245810	51.505	ug/l	100

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

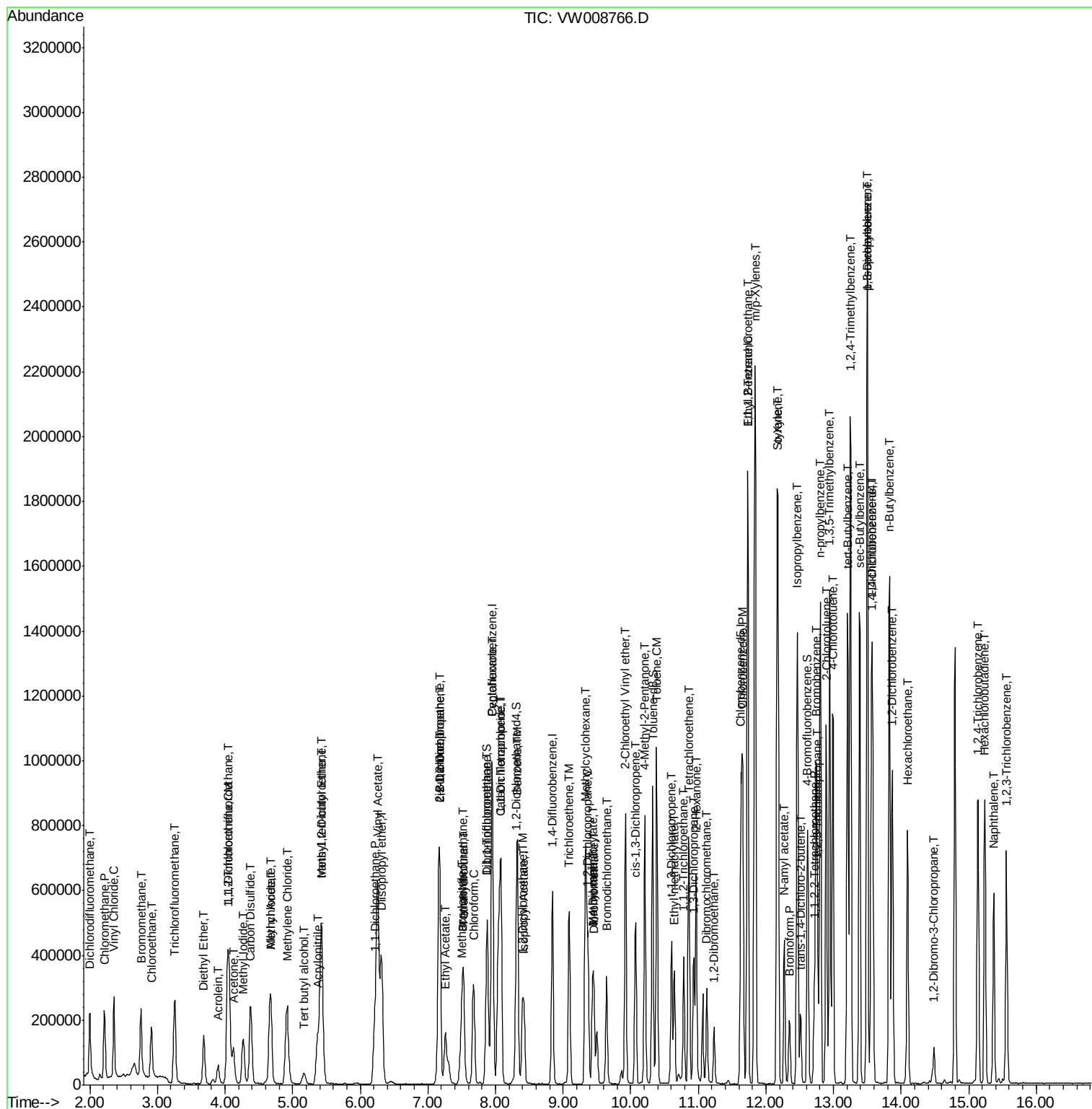
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022119\
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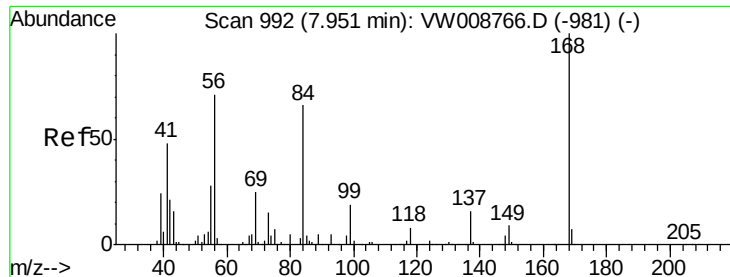
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 337590

Ion Ratio Lower Upper

168 100

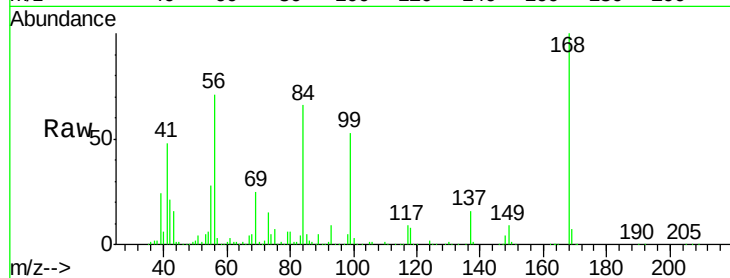
99 52.7 42.2 63.2

Manual Integrations

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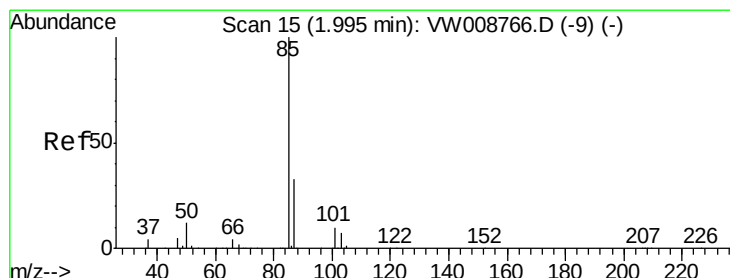
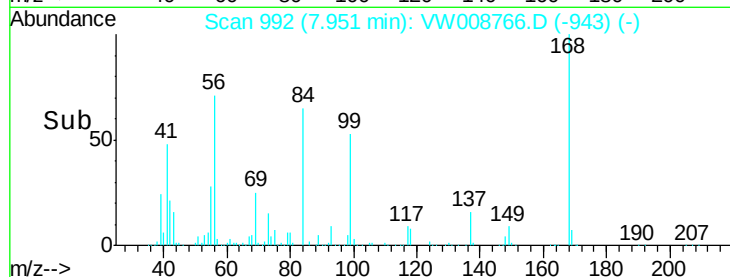
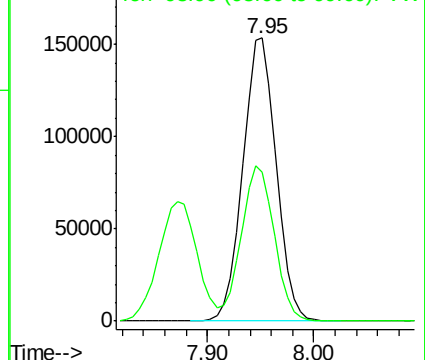
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 48.029 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008766.D

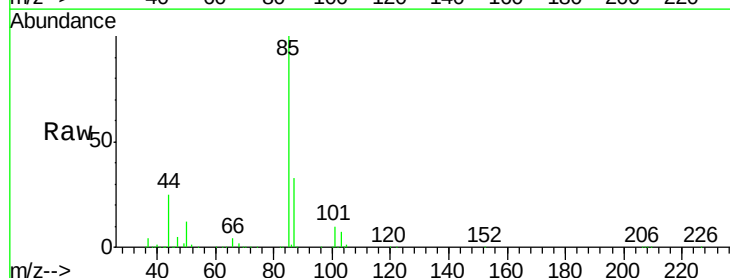
Acq: 21 Feb 2019 12:13

Tgt Ion: 85 Resp: 162395

Ion Ratio Lower Upper

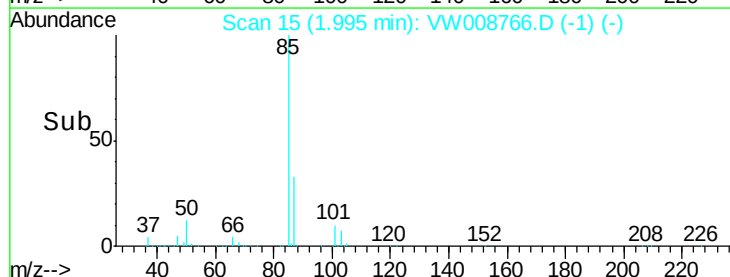
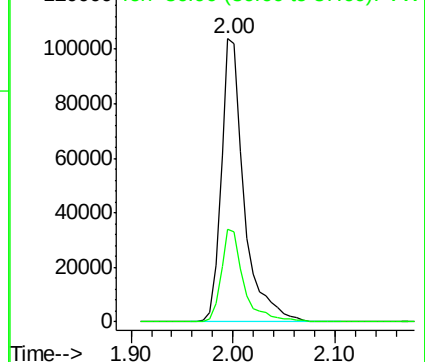
85 100

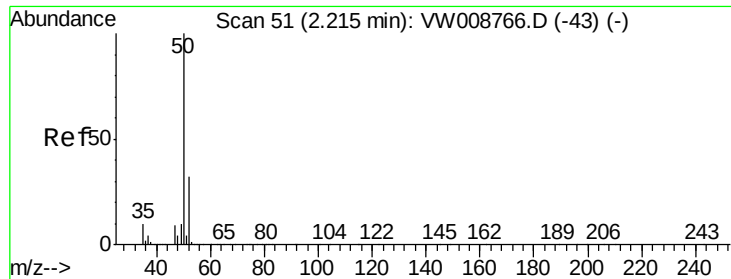
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 49.061 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 201928

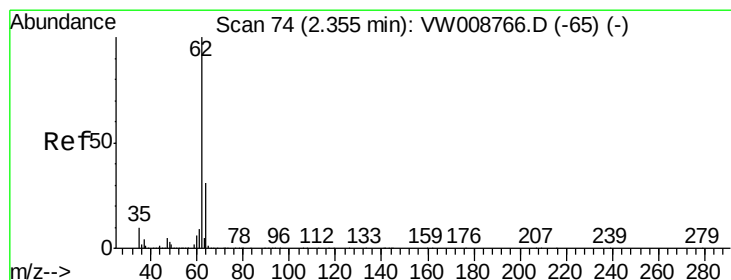
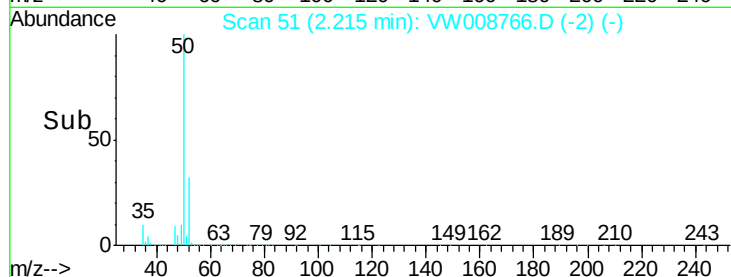
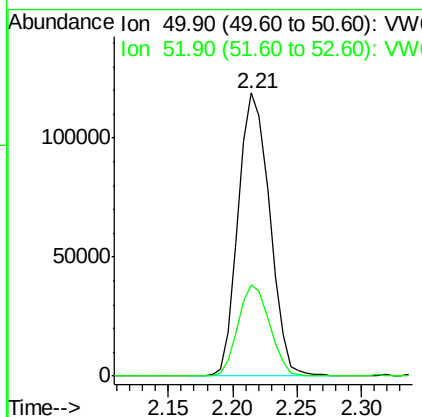
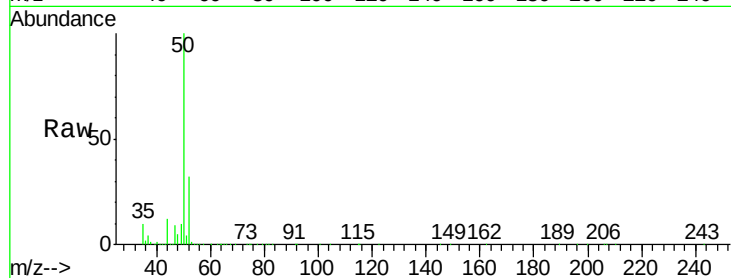
Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.362 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008766.D

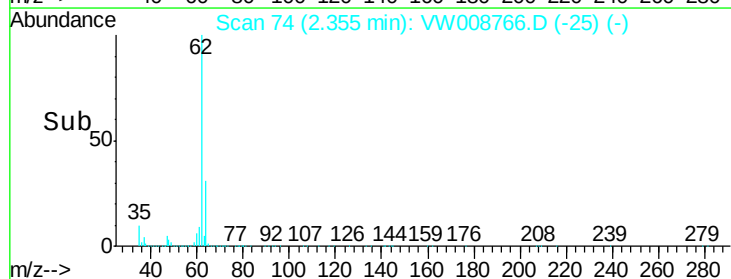
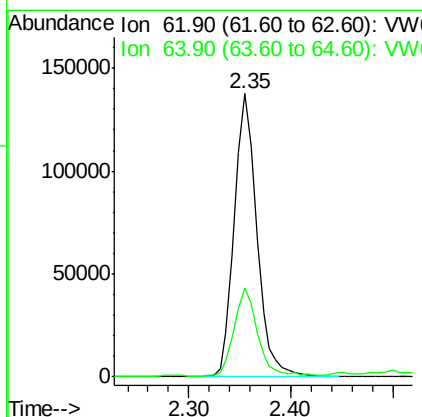
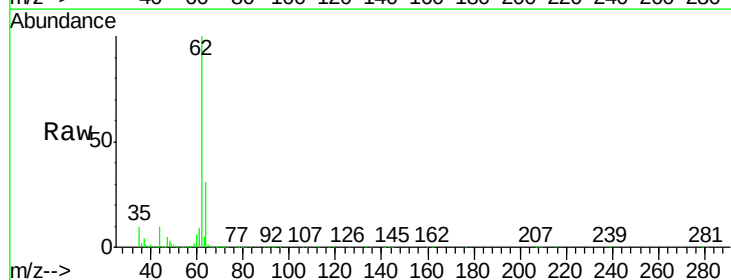
Acq: 21 Feb 2019 12:13

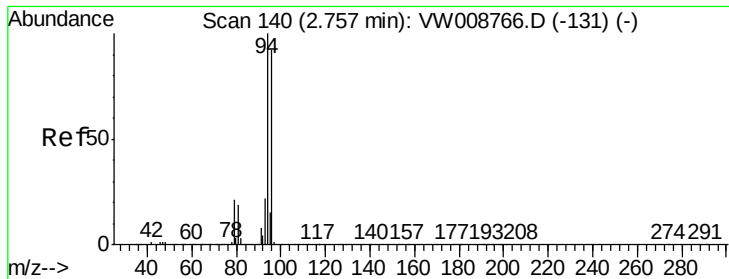
Tgt Ion: 62 Resp: 210750

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3





#5

Bromomethane

Concen: 46.450 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 150348

Ion Ratio Lower Upper

94 100

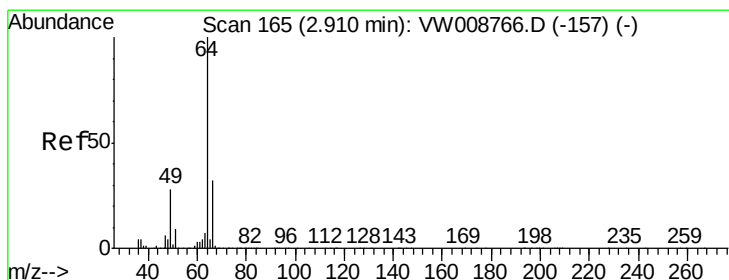
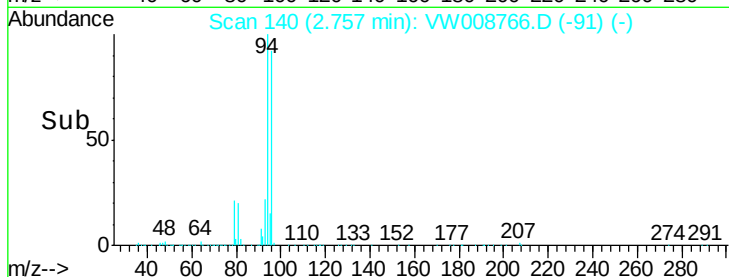
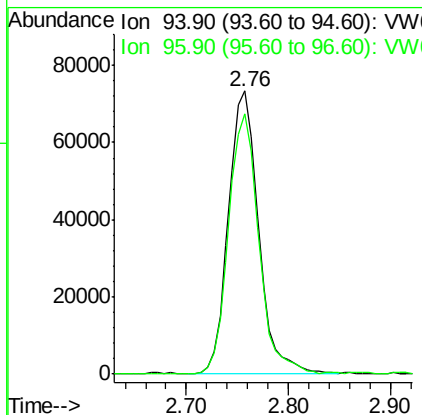
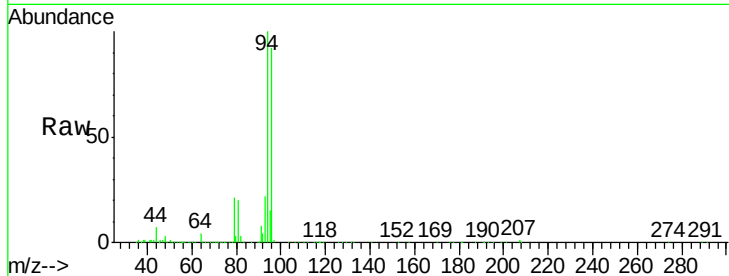
96 91.8 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 49.664 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008766.D

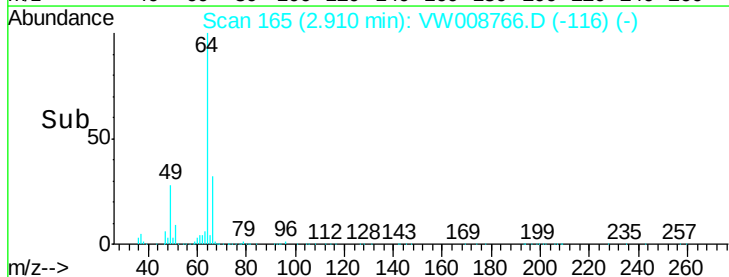
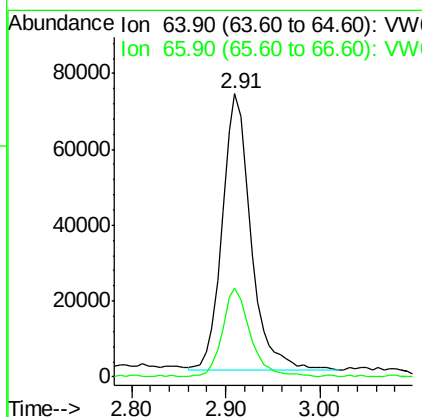
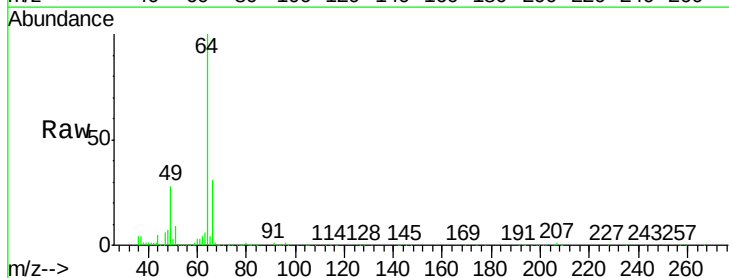
Acq: 21 Feb 2019 12:13

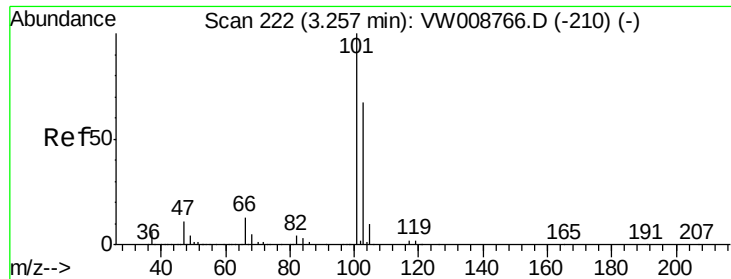
Tgt Ion: 64 Resp: 153684

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

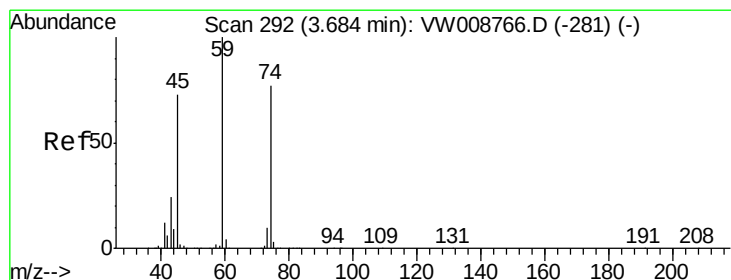
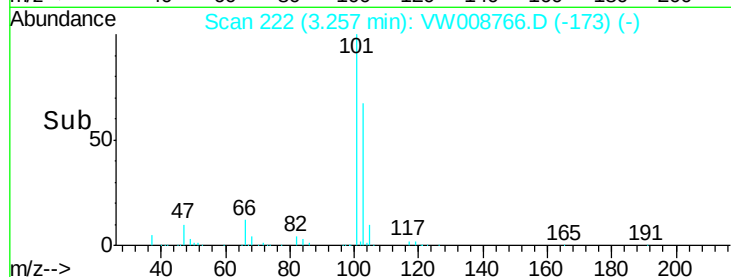
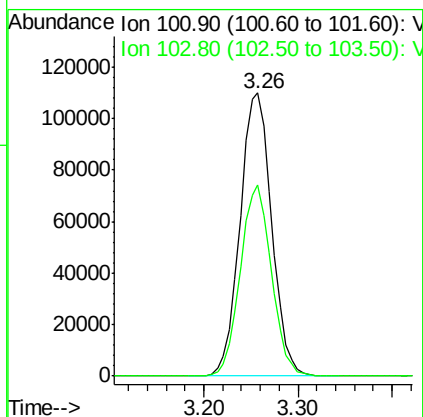
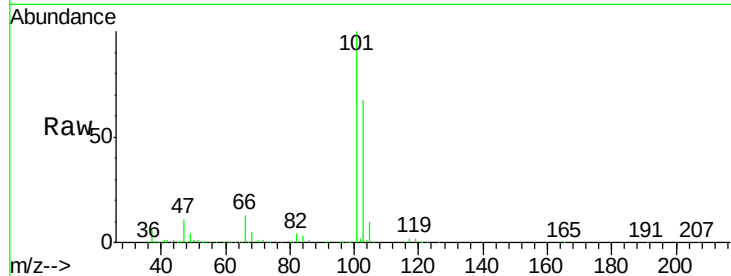
Trichlorofluoromethane
 Concen: 46.803 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	257952		
103	67.4	53.9	80.9	

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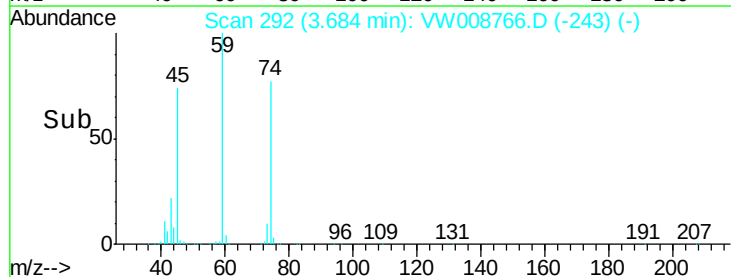
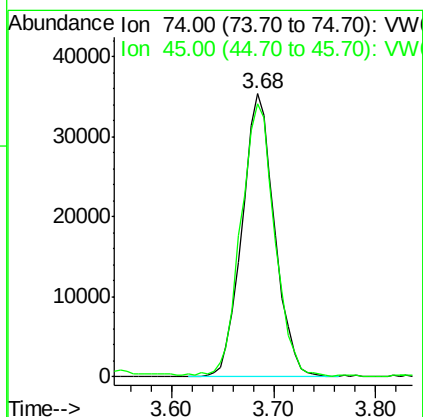
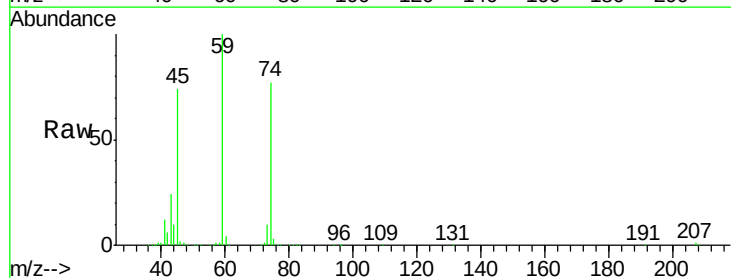
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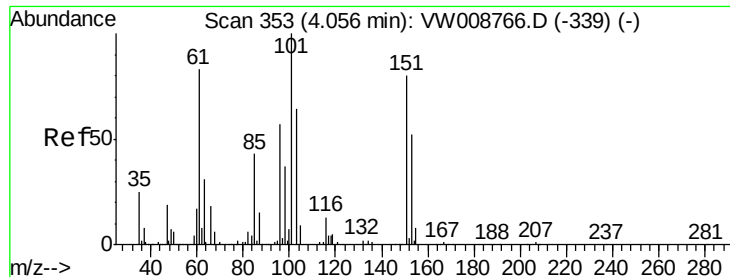


#8

Diethyl Ether
 Concen: 44.815 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	78197		
45	100.4	50.2	150.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.077 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

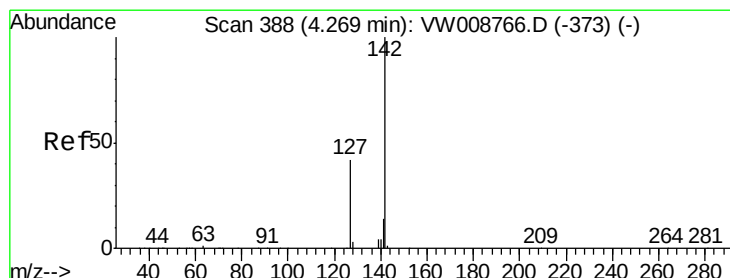
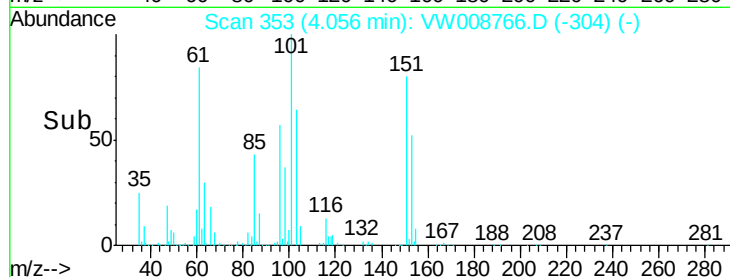
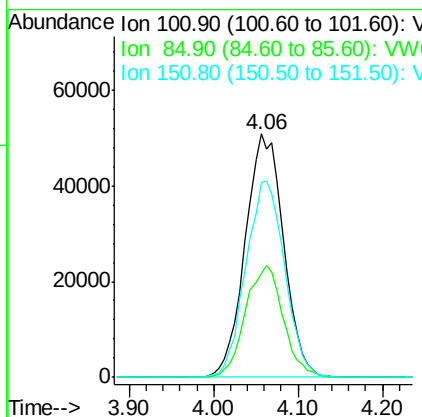
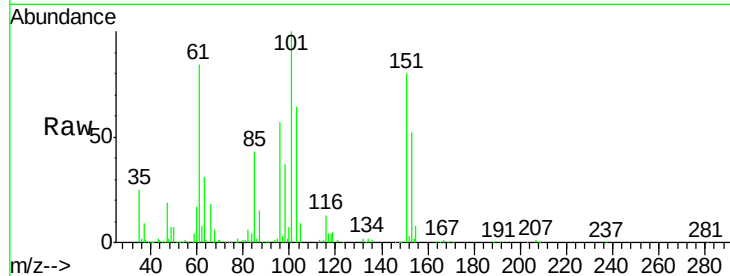
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	157563
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	81.9	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 53.510 ug/l

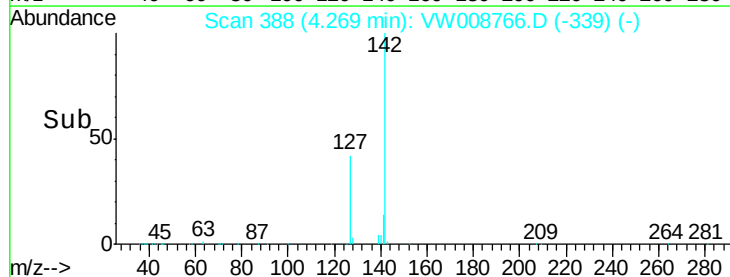
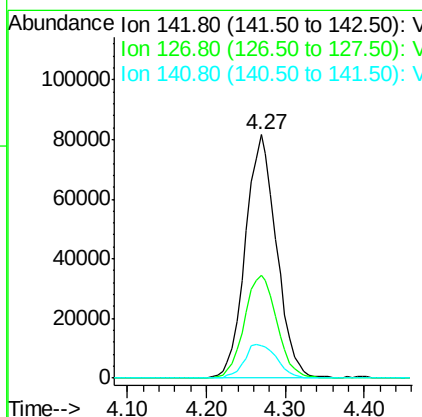
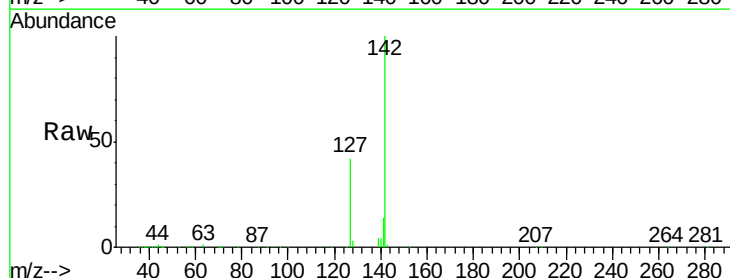
RT: 4.27 min Scan# 388

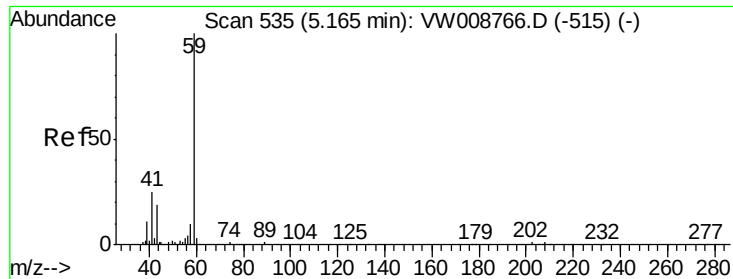
Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Tgt Ion:	142	Resp:	223954
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.3	52.9
141	14.6	11.7	17.5





#11

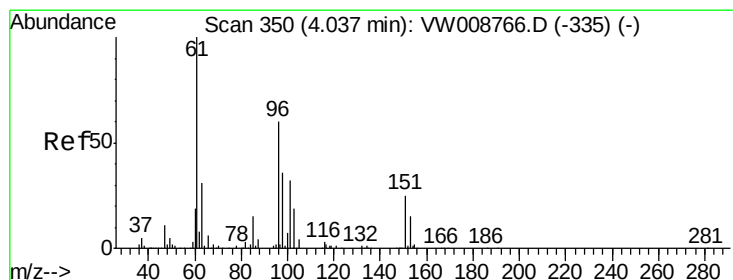
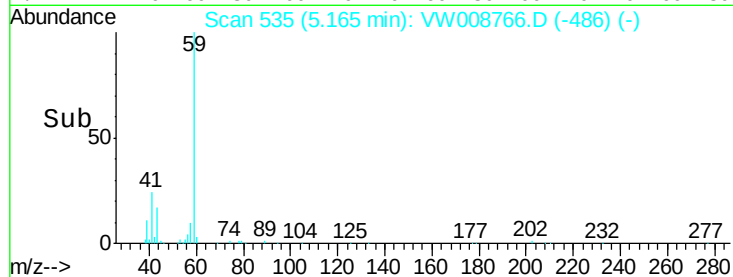
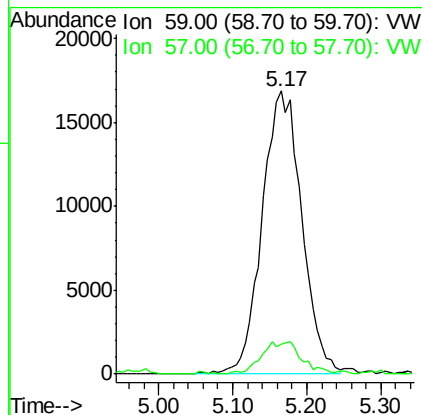
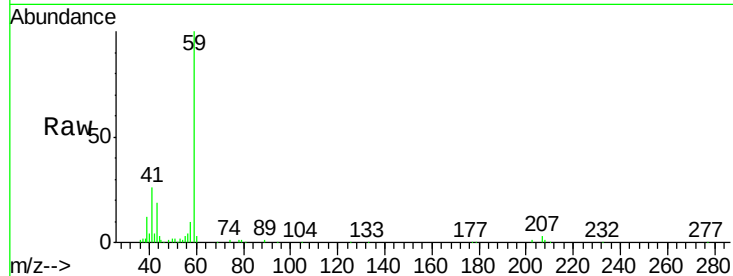
Tert butyl alcohol
Concen: 227.139 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	62462
Ion Ratio	100	Lower	Upper
57	11.6	9.3	13.9

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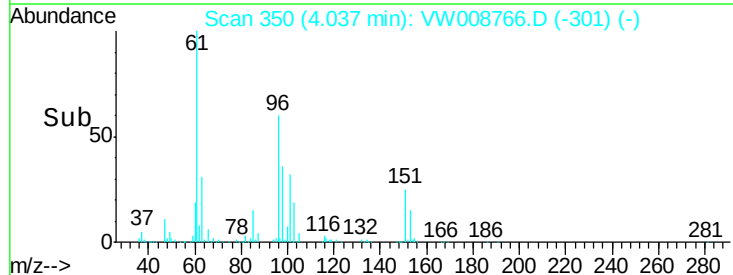
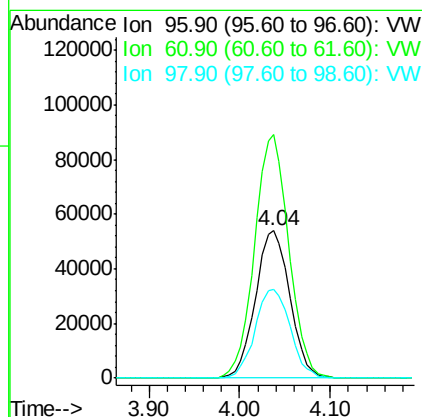
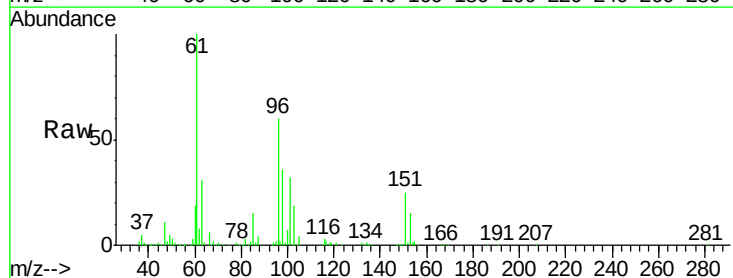
MMDadoda
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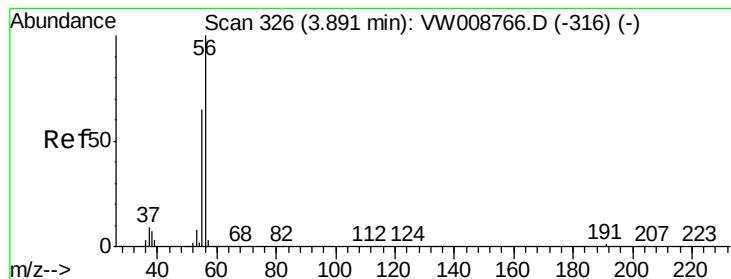


#12

1,1-Dichloroethene
Concen: 47.888 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	96	Resp	141549
Ion Ratio	100	Lower	Upper
61	165.6	132.5	198.7
98	60.3	48.2	72.4





#13

Acrolein

Concen: 259.953 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 69294

Ion Ratio Lower Upper

56 100

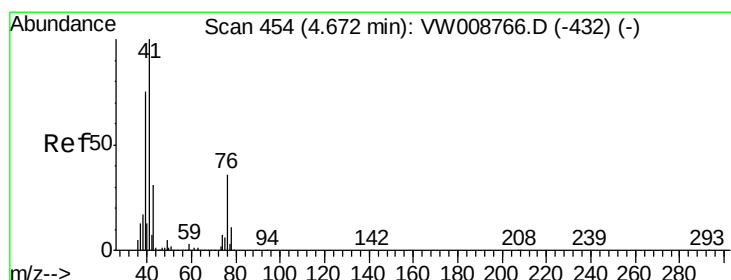
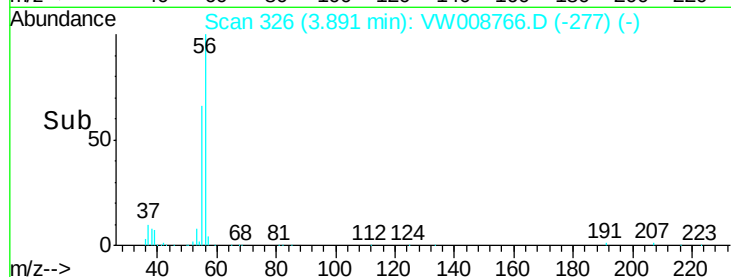
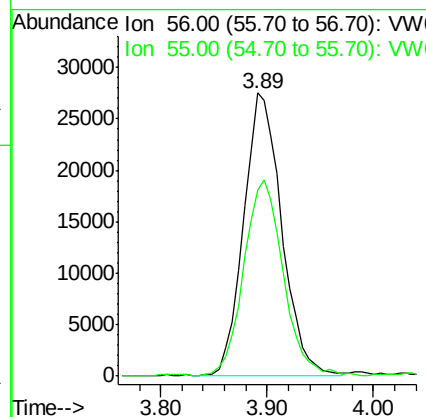
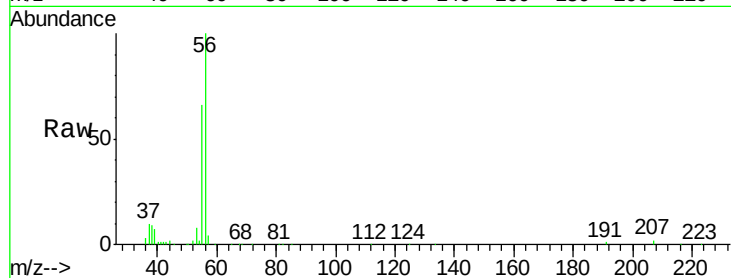
55 71.1 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 48.072 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

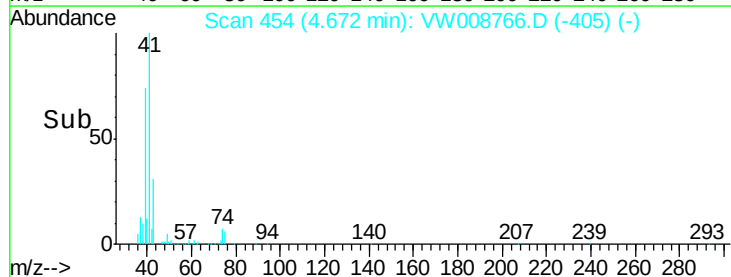
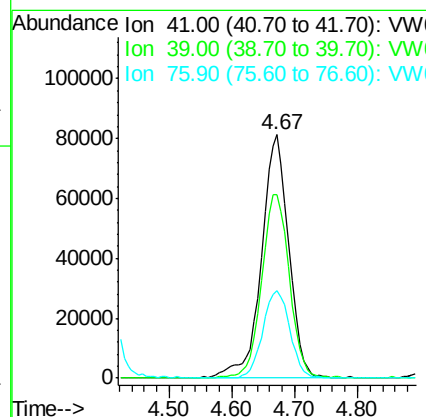
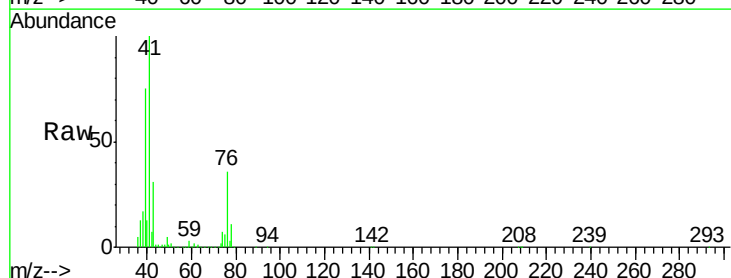
Tgt Ion: 41 Resp: 245239

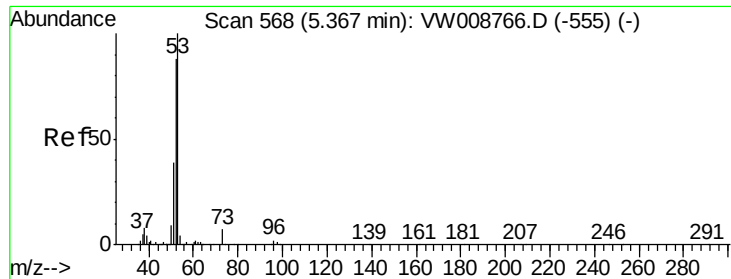
Ion Ratio Lower Upper

41 100

39 75.8 60.6 91.0

76 35.7 28.6 42.8





#15

Acrylonitrile

Concen: 235.644 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

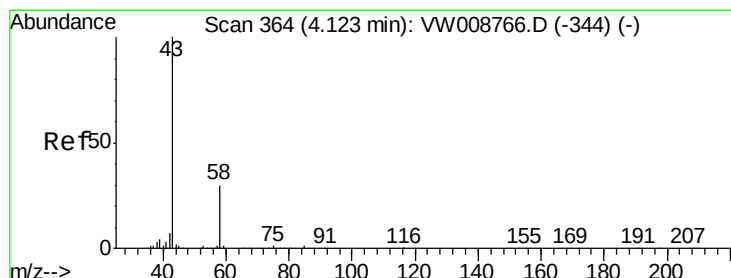
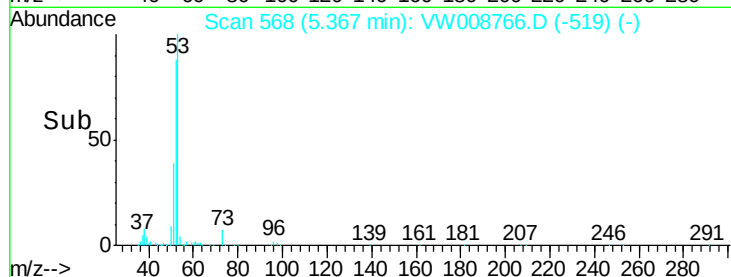
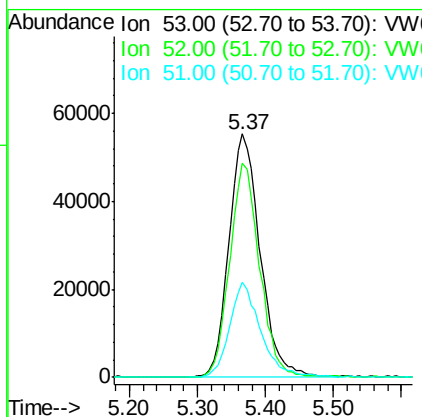
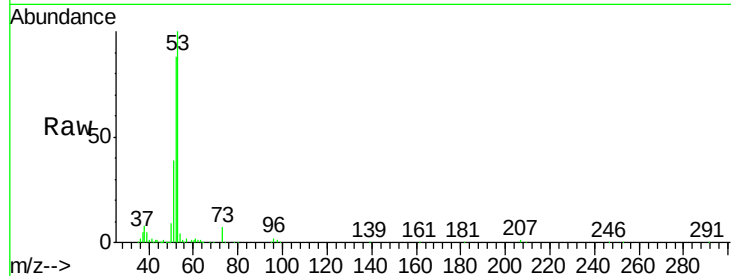
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	176462
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.2	100.8
51	38.9	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 251.116 ug/l

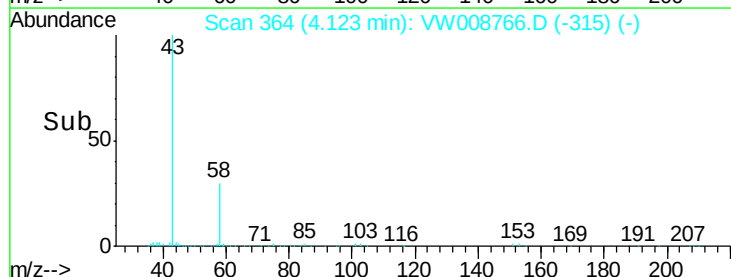
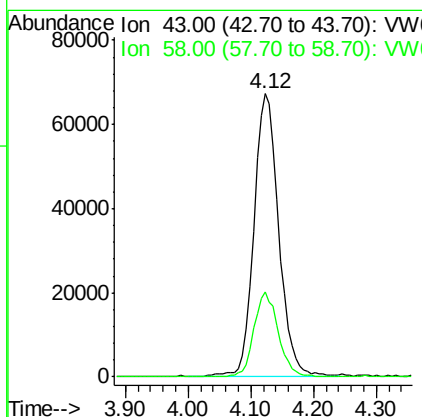
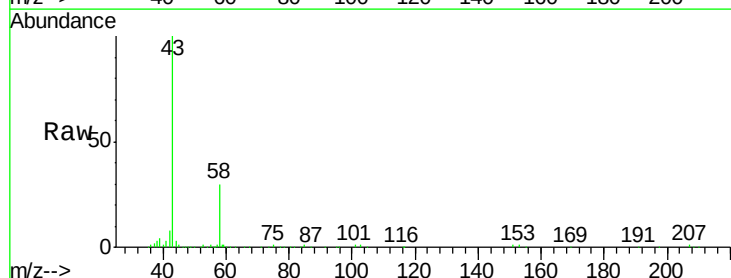
RT: 4.12 min Scan# 364

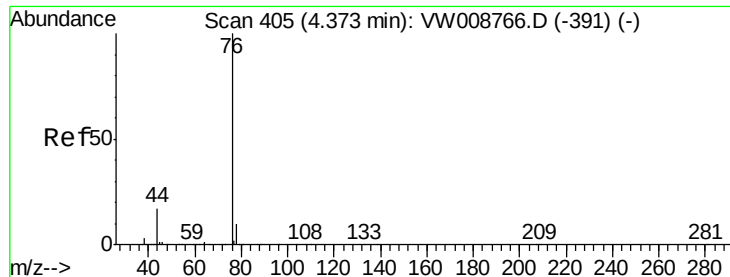
Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Tgt Ion:	43	Resp:	184299
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.6





#17

Carbon Disulfide

Concen: 50.328 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 493565

Ion Ratio Lower Upper

76 100

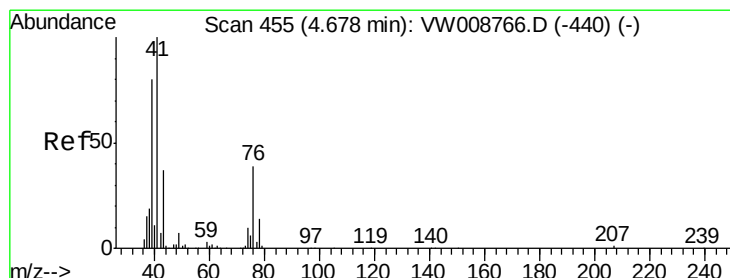
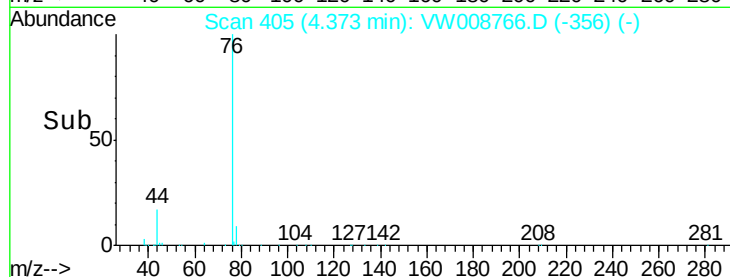
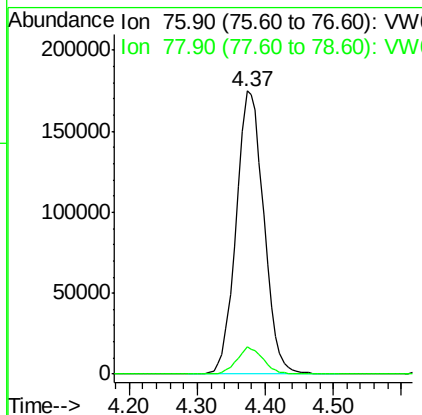
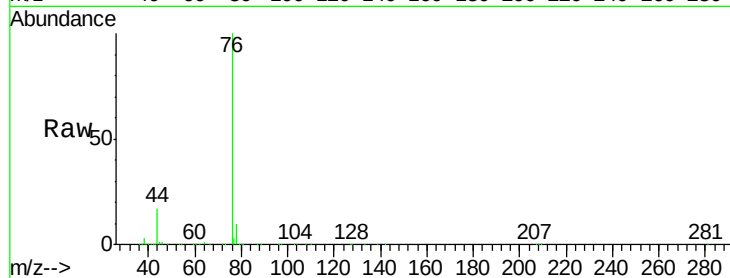
78 9.8 7.8 11.8

Manual Integrations

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#18

Methyl Acetate

Concen: 42.835 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW008766.D

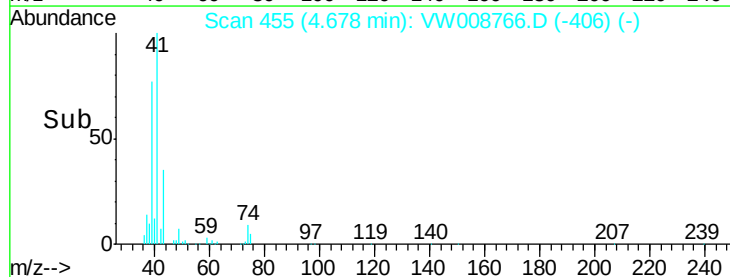
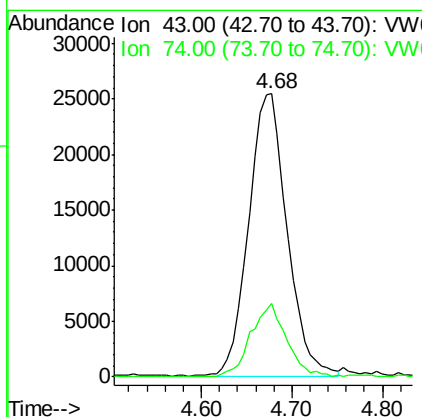
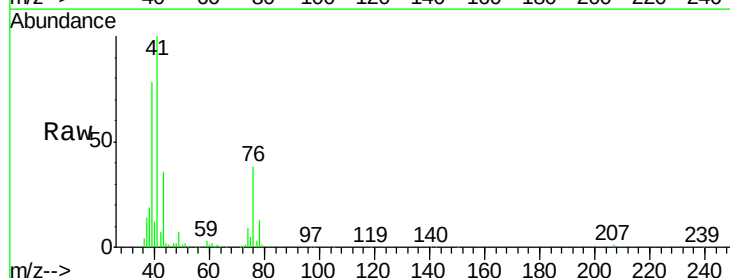
Acq: 21 Feb 2019 12:13

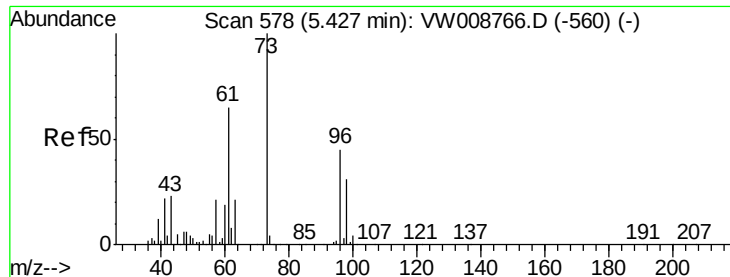
Tgt Ion: 43 Resp: 74567

Ion Ratio Lower Upper

43 100

74 24.3 19.4 29.2





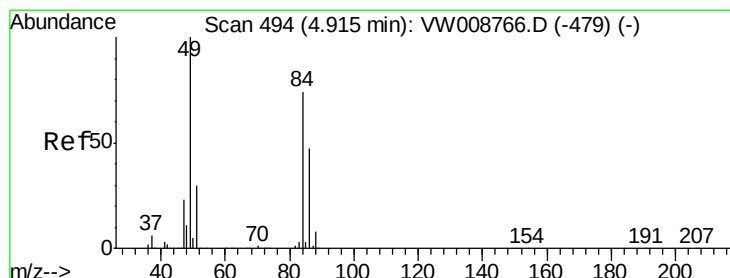
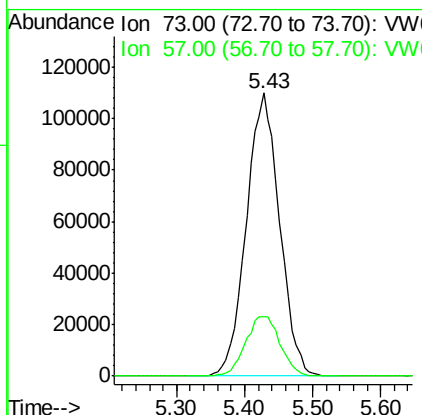
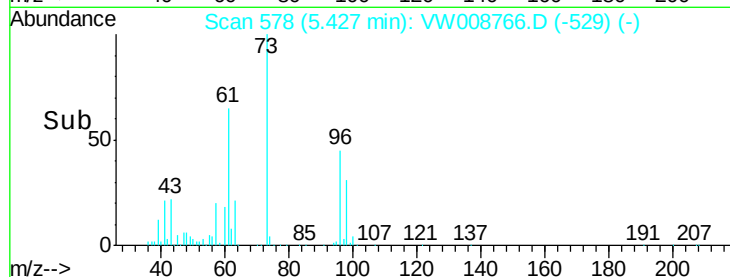
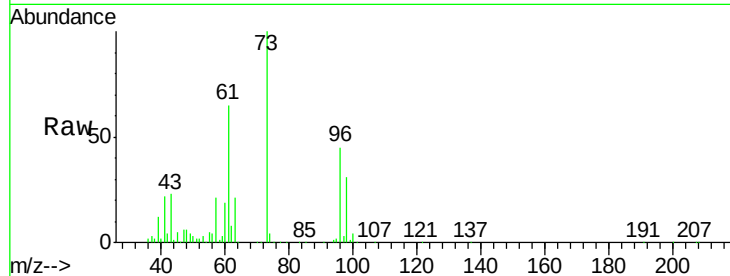
#19
Methyl tert-butyl Ether
Concen: 46.730 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.8	25.2

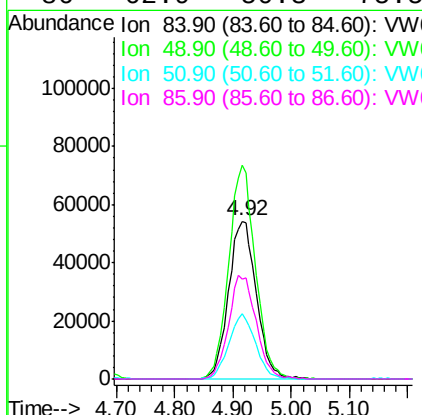
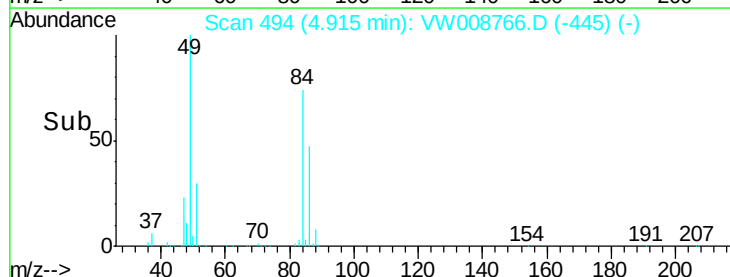
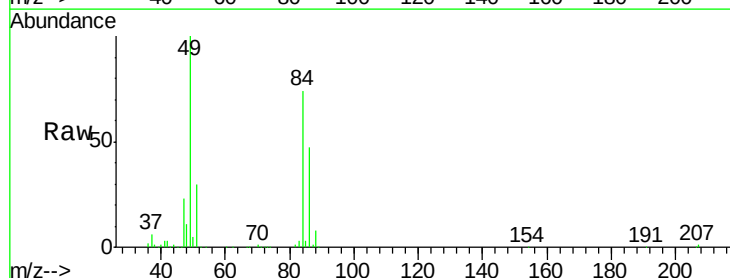
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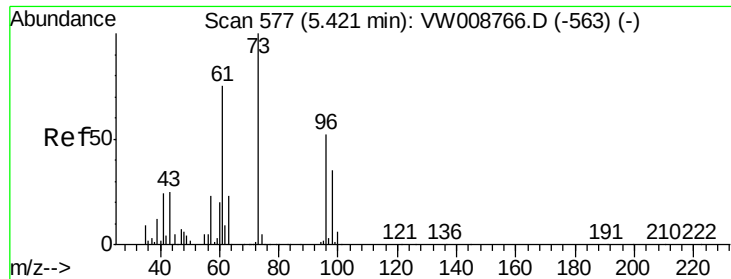
MMDadoda
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#20
Methylene Chloride
Concen: 41.527 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.2	108.2	162.2
51	40.9	32.7	49.1
86	62.9	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 47.157 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

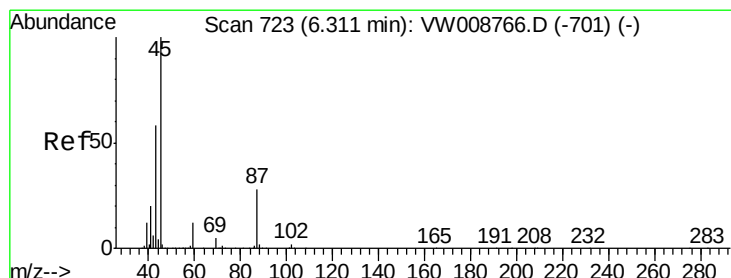
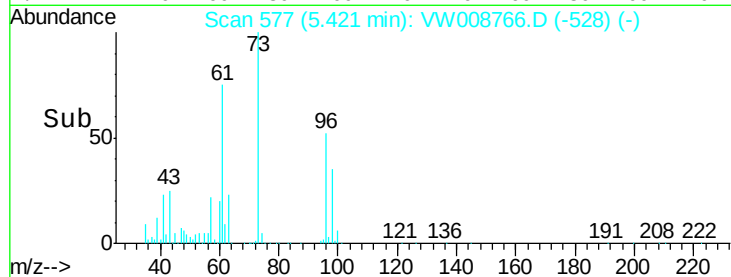
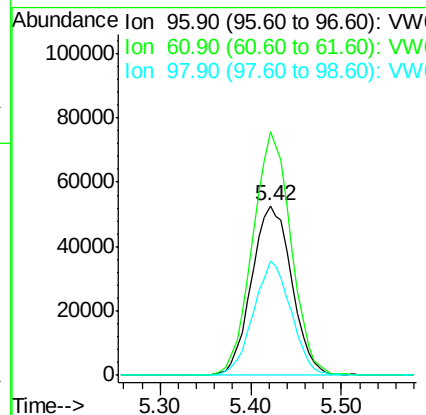
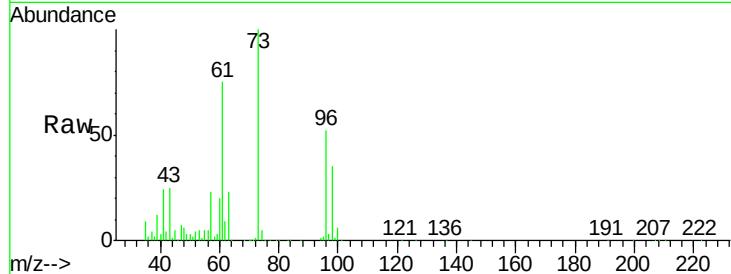
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	161235
Ion Ratio	Lower	Upper	
96	100		
61	143.2	114.6	171.8
98	67.5	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.184 ug/l

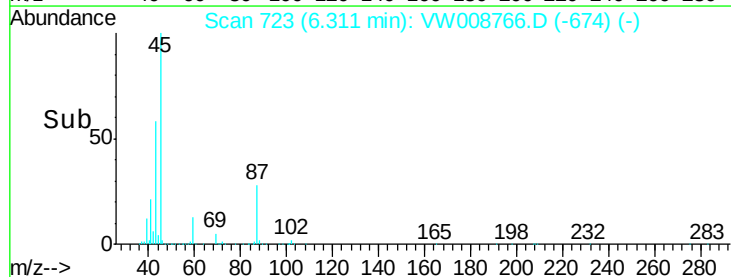
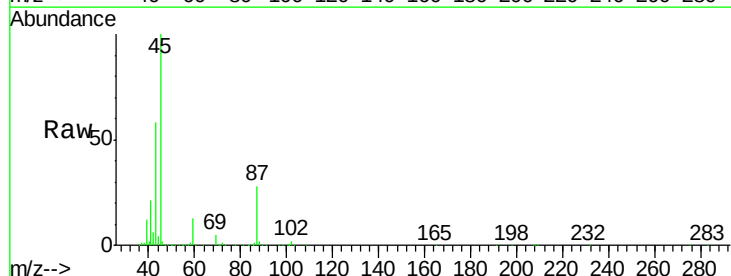
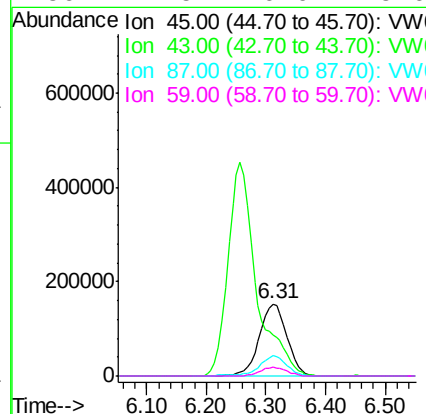
RT: 6.31 min Scan# 723

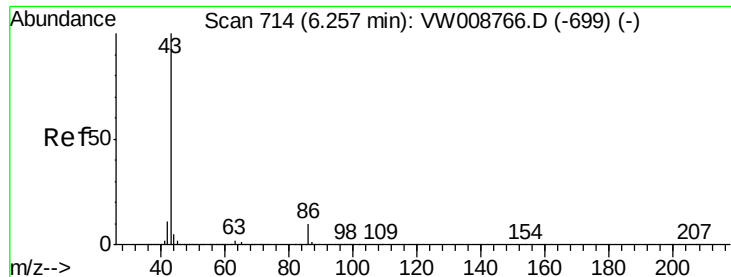
Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Tgt Ion:	45	Resp:	490346
Ion Ratio	Lower	Upper	
45	100		
43	57.6	46.1	69.1
87	27.8	22.2	33.4
59	12.5	10.0	15.0





#23

Vinyl Acetate

Concen: 238.877 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1501974

Ion Ratio Lower Upper

43 100

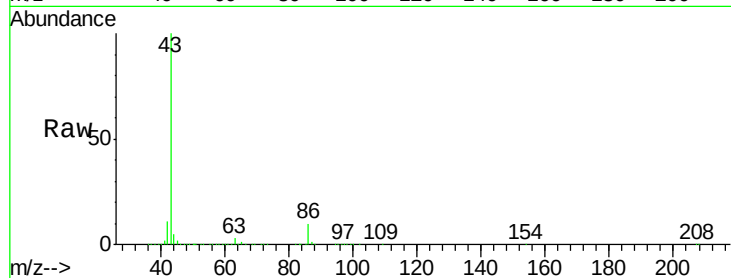
86 10.1 8.1 12.1

Manual Integrations

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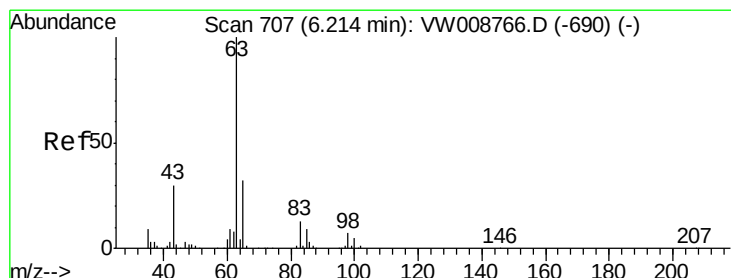
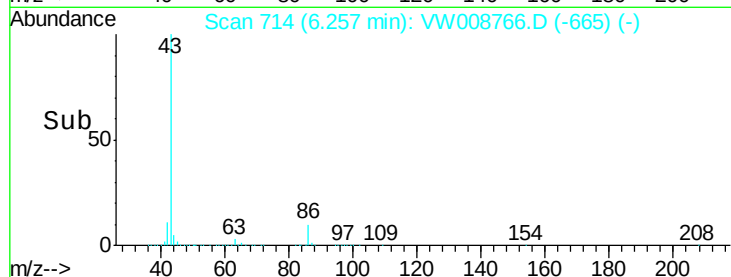
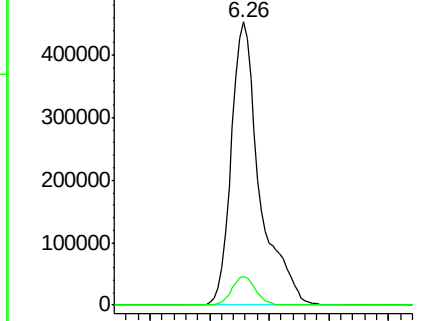
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 46.841 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

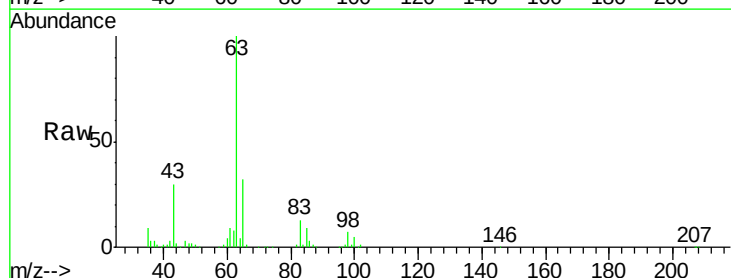
Tgt Ion: 63 Resp: 276227

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

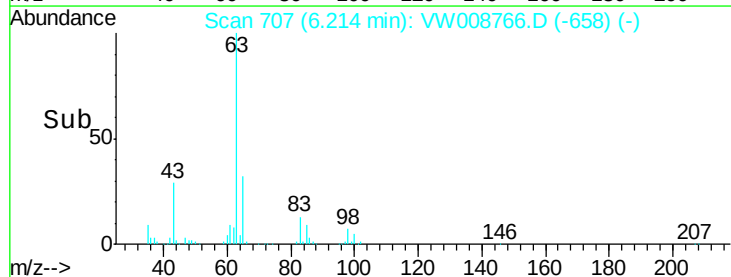
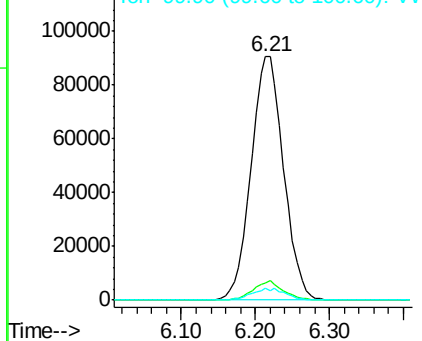
100 4.8 2.4 7.2

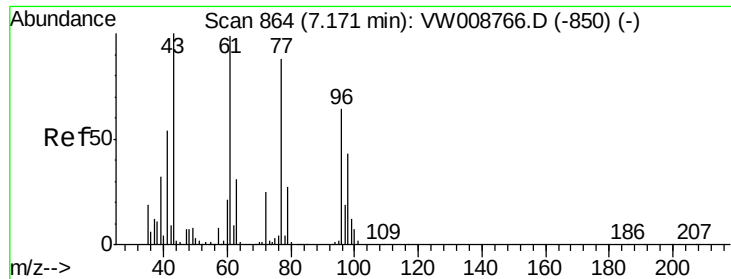


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 242.905 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 249237

Ion Ratio Lower Upper

43 100

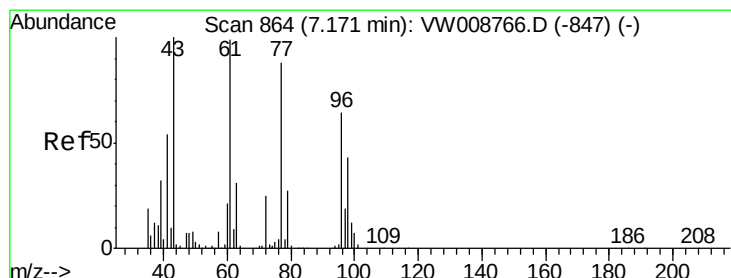
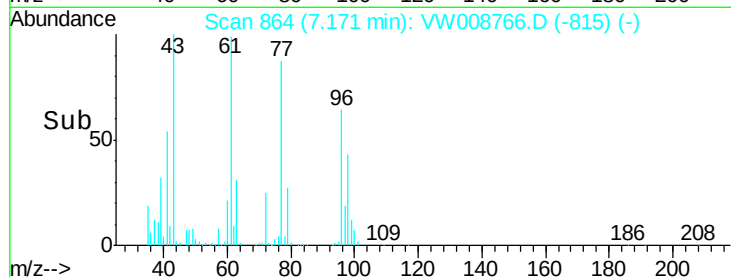
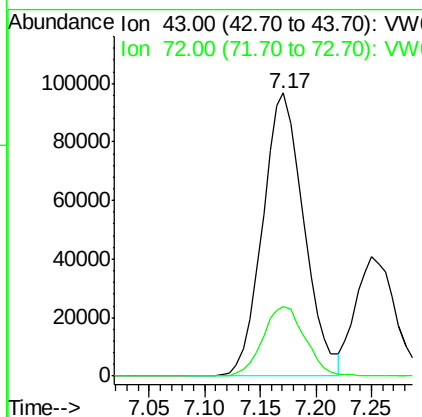
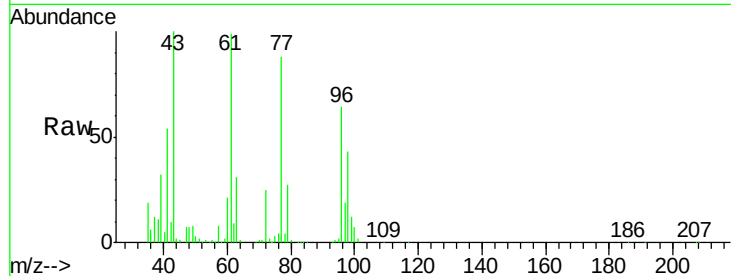
72 24.6 19.7 29.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.529 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008766.D

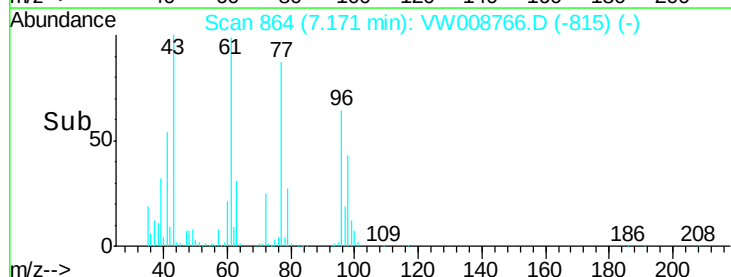
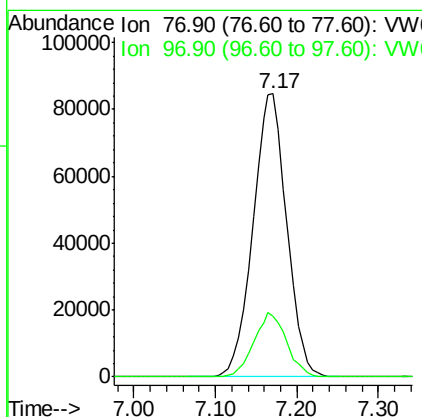
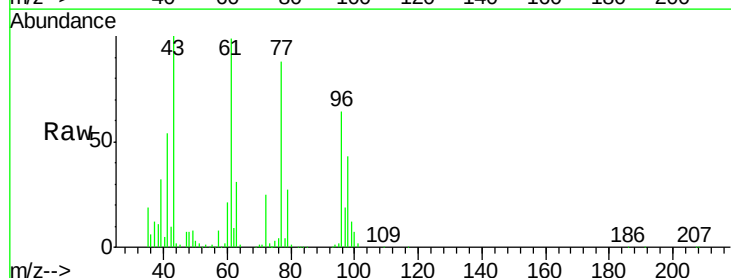
Acq: 21 Feb 2019 12:13

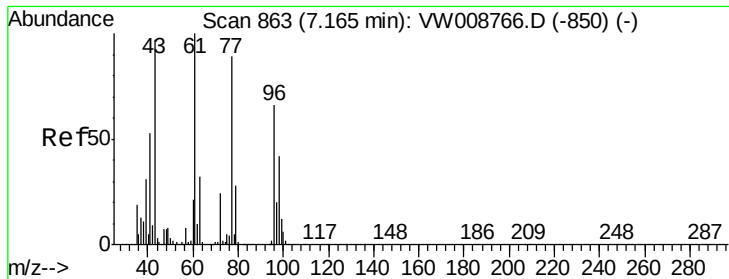
Tgt Ion: 77 Resp: 243756

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0





#27

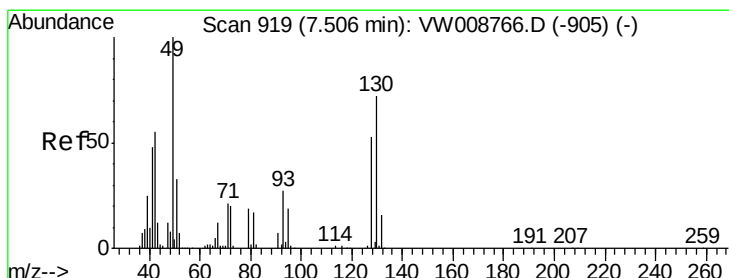
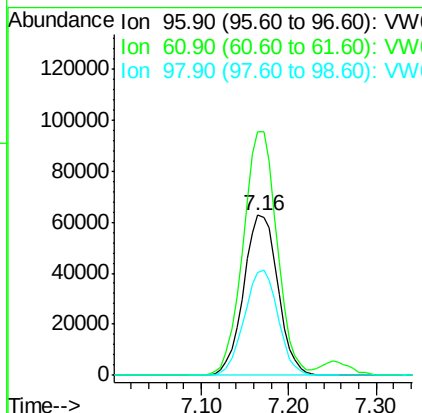
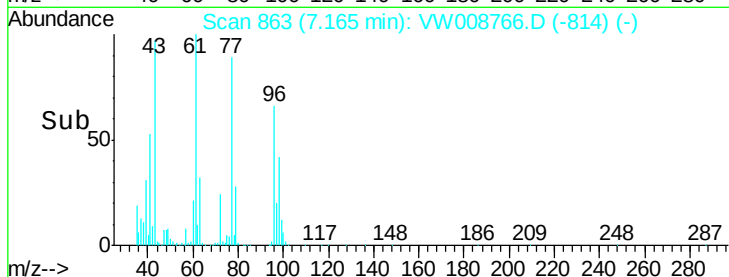
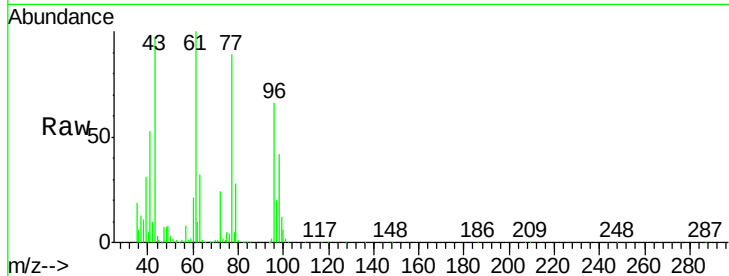
cis-1,2-Dichloroethene
Concen: 46.605 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	151.3	0.0	302.6		
98	65.0	0.0	130.0		

Manual Integrations
APPROVED

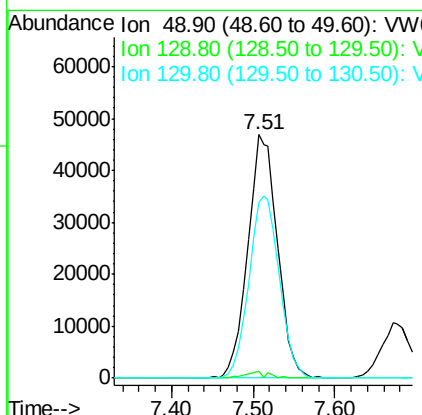
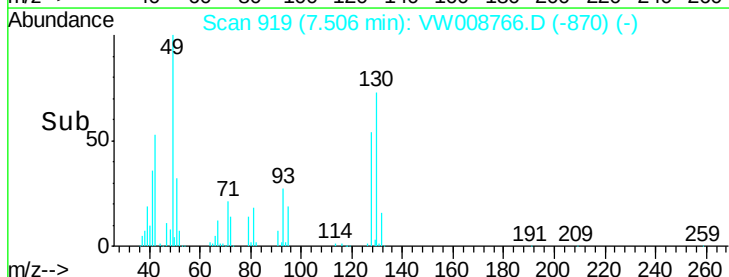
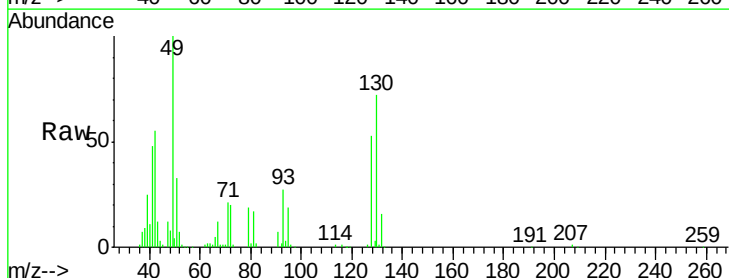
MMDadoda
2/22/2019 12:25:16 PM

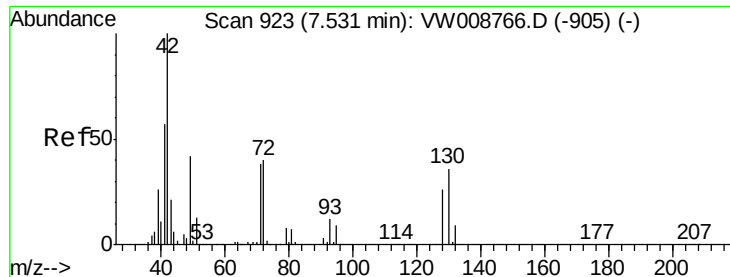


#28

Bromochloromethane
Concen: 48.136 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.3	0.0	2.6		
130	76.6	61.3	91.9		





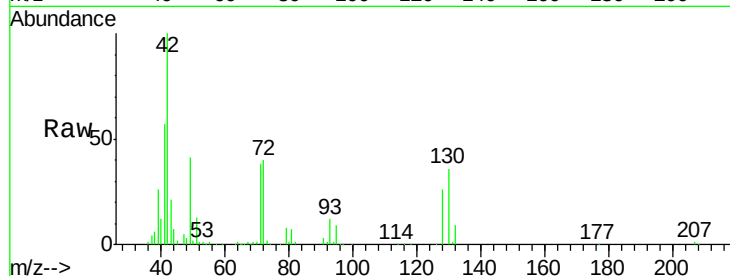
#29
Tetrahydrofuran
Concen: 233.759 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.7	49.1
71	39.1	31.3	46.9

Manual Integrations
APPROVED

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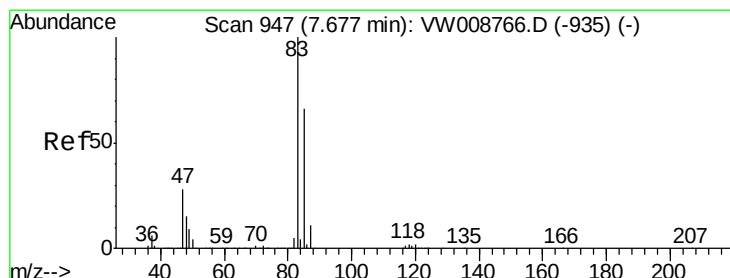
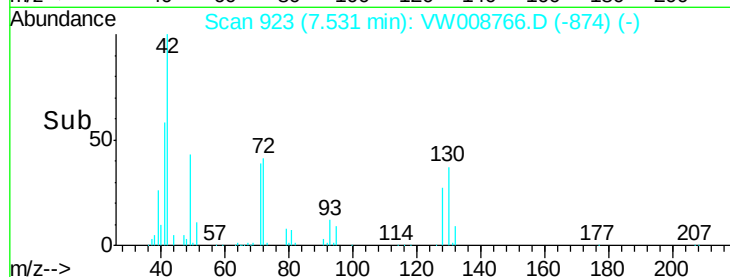
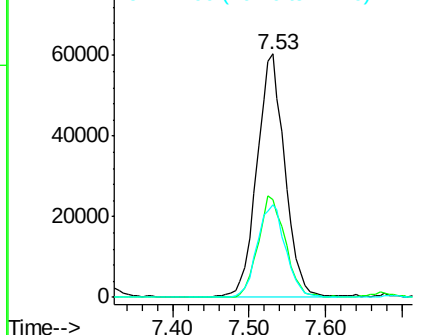


Abundance

Ion 42.00 (41.70 to 42.70): VW

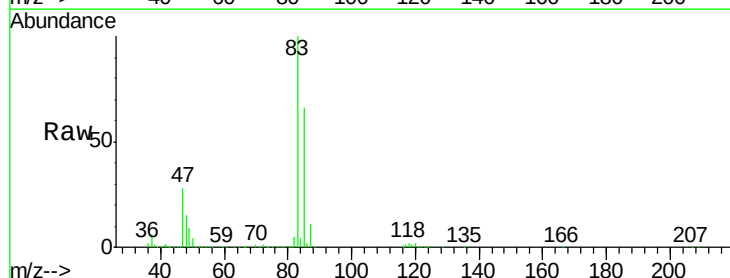
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30
Chloroform
Concen: 46.706 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

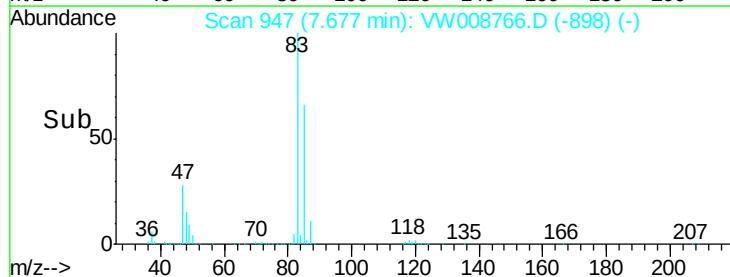
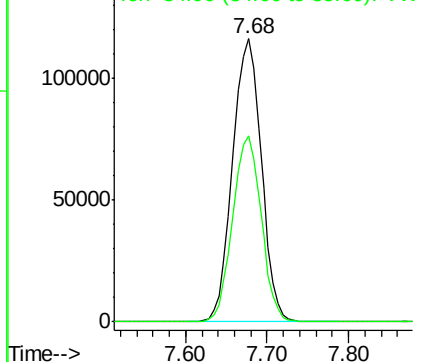
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	79.0

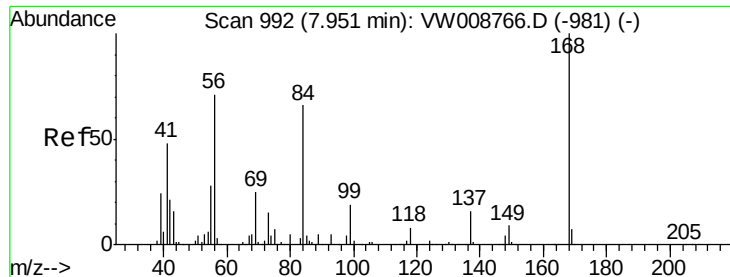


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





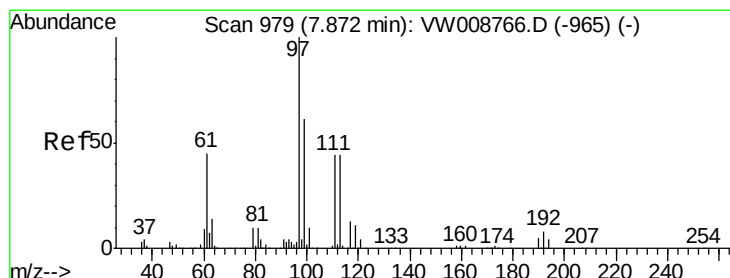
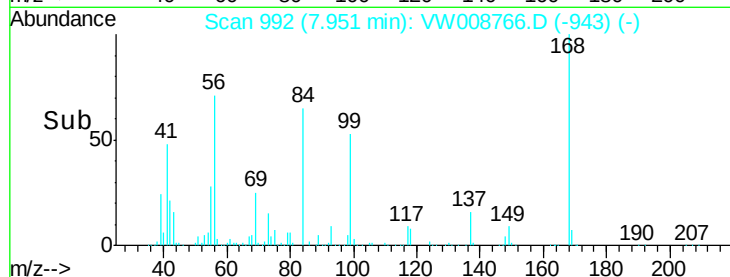
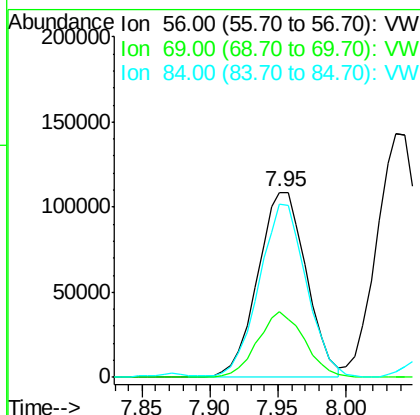
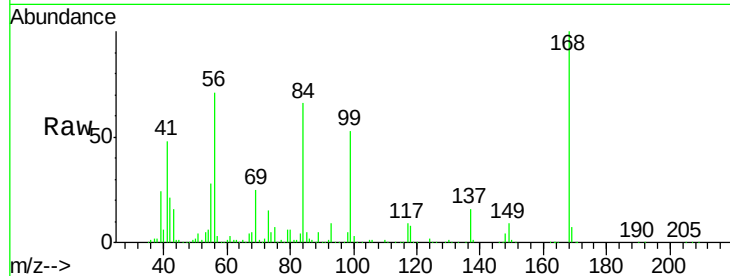
#31
Cyclohexane
Concen: 45.581 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	272081		
69	35.3		28.2	42.4
84	92.6		74.1	111.1

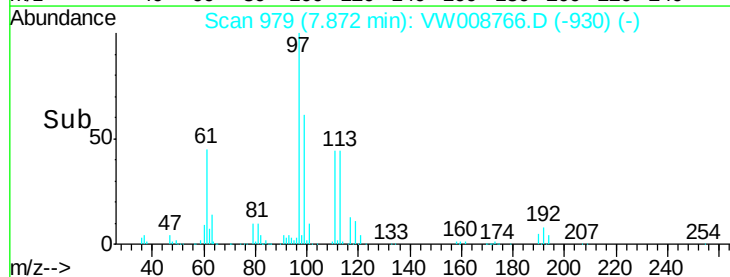
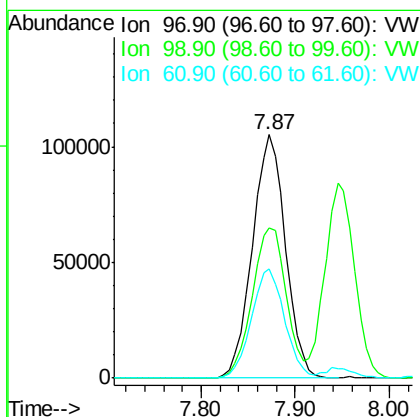
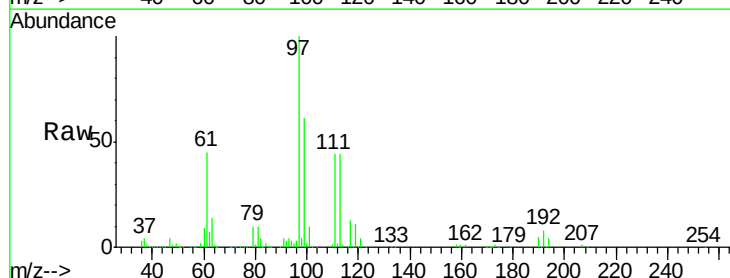
Manual Integrations
APPROVED

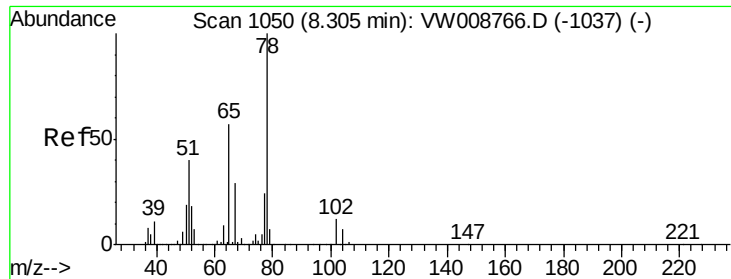
MMDadoda
2/22/2019 12:25:16 PM



#32
1,1,1-Trichloroethane
Concen: 47.011 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	258638		
99	63.5		50.8	76.2
61	45.0		36.0	54.0





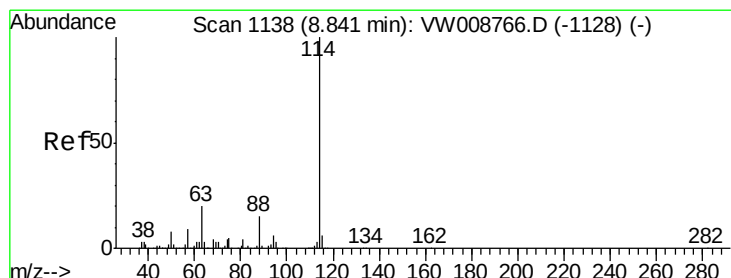
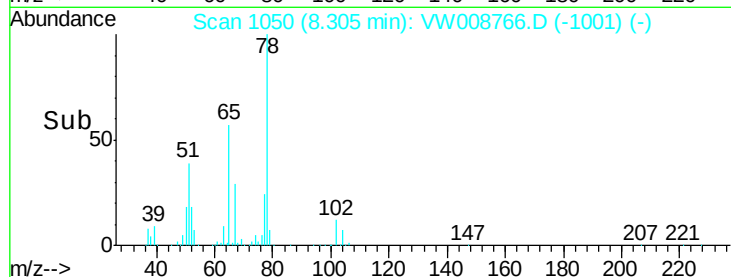
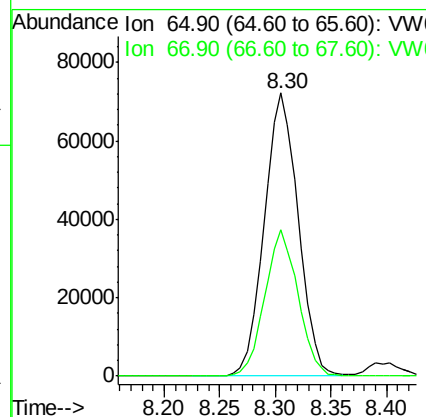
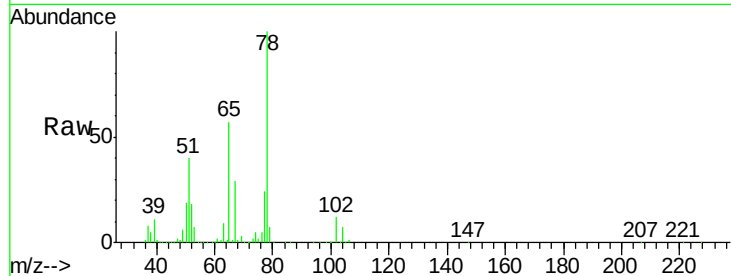
#33
 1,2-Dichloroethane-d4
 Concen: 48.423 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	153321		
67	50.7	0.0	101.4	

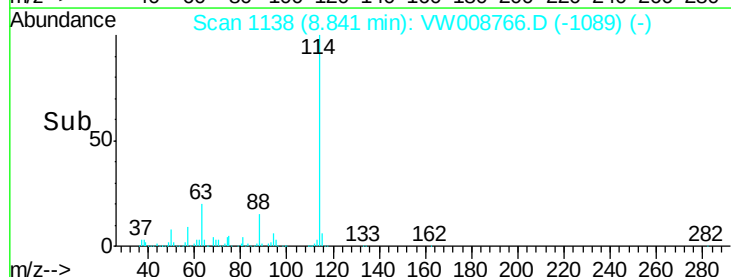
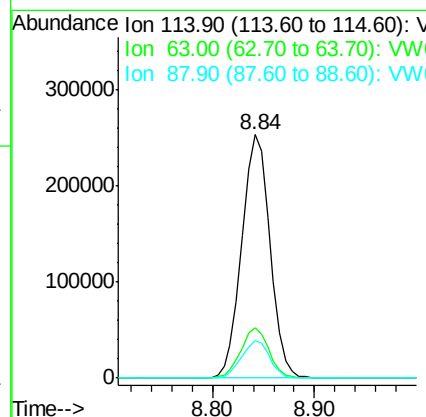
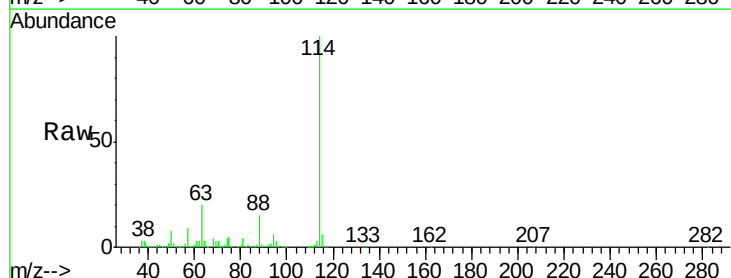
Manual Integrations
 APPROVED

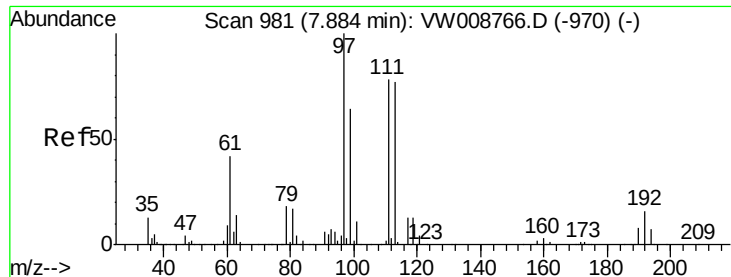
MMDadoda
 2/22/2019 12:25:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	486015		
63	20.4	0.0	40.8	
88	15.2	0.0	30.4	





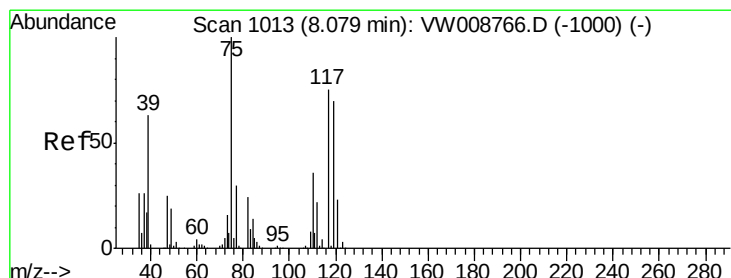
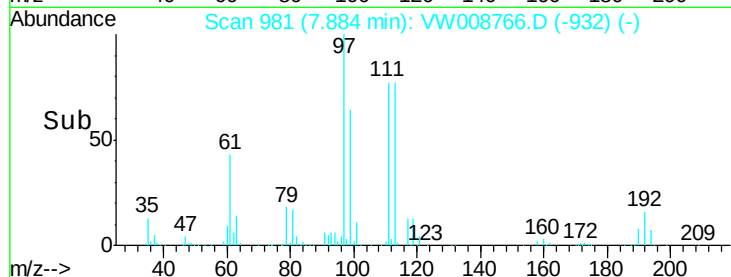
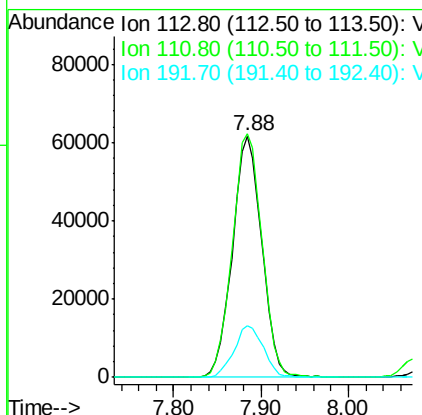
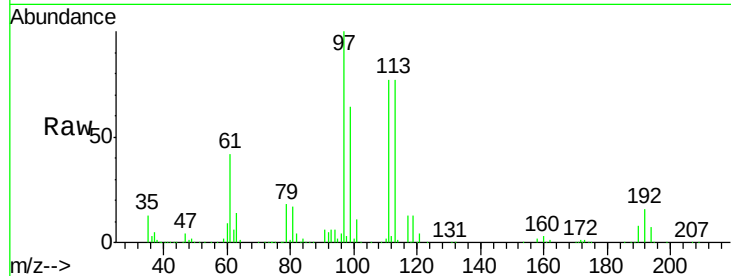
#35
Dibromofluoromethane
Concen: 49.252 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143722		
111	102.4	81.9	122.9	
192	21.4	17.1	25.7	

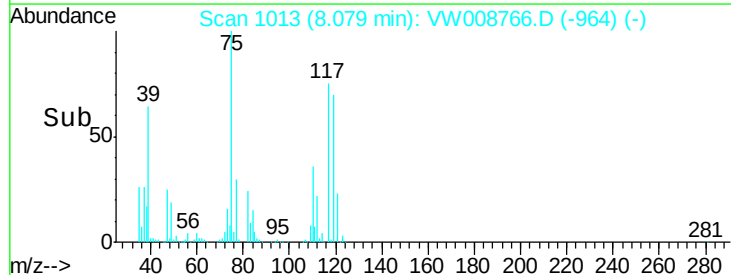
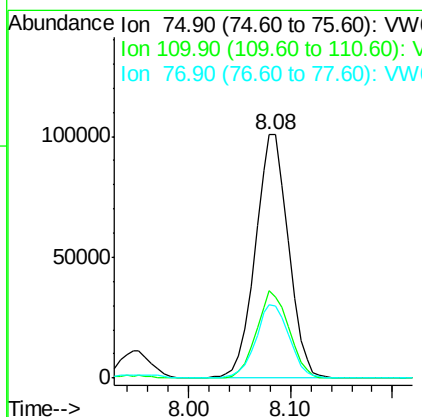
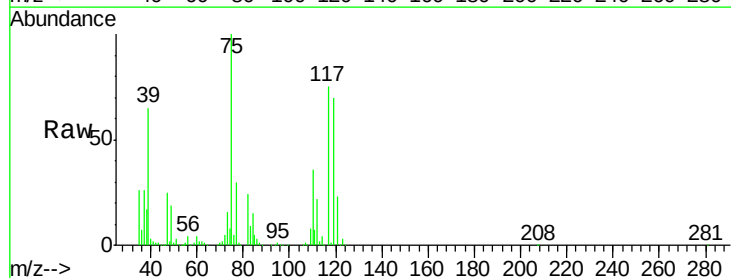
Manual Integrations
APPROVED

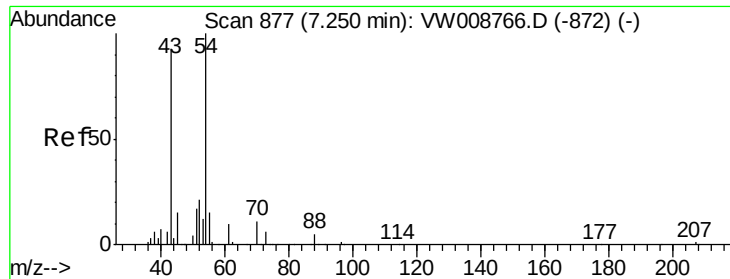
MMDadoda
2/22/2019 12:25:16 PM



#36
1,1-Dichloropropene
Concen: 48.144 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	227773		
110	35.1	17.5	52.6	
77	30.6	24.5	36.7	





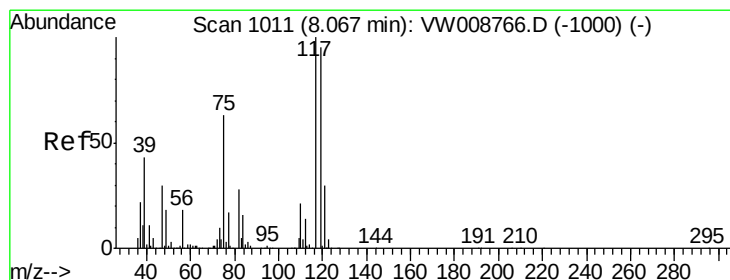
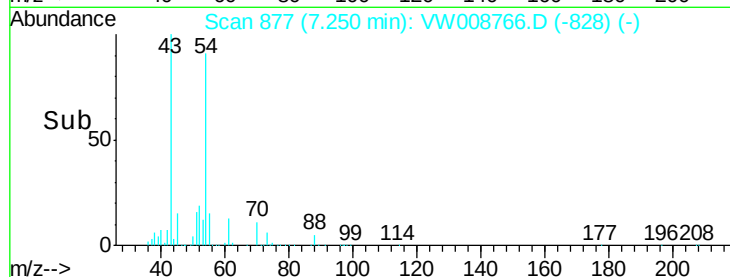
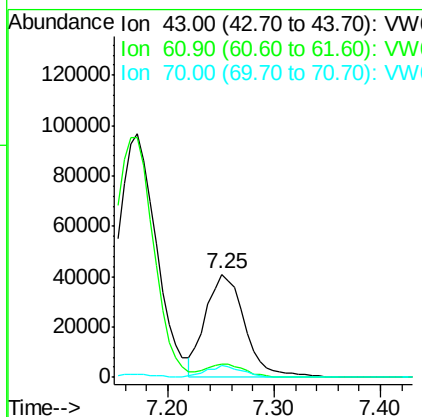
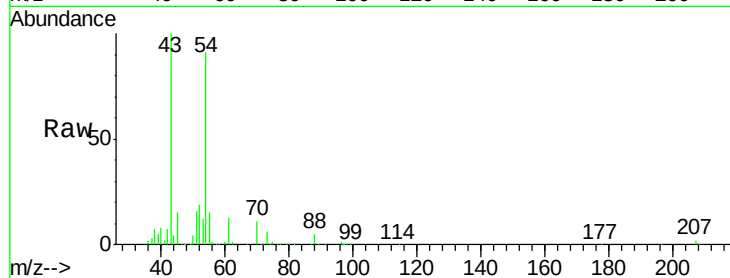
#37
Ethyl Acetate
Concen: 46.666 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	10.5	8.4	12.6

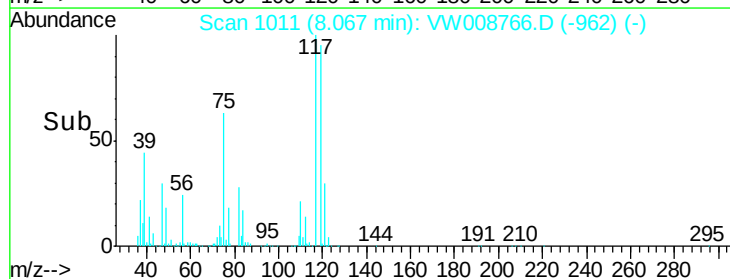
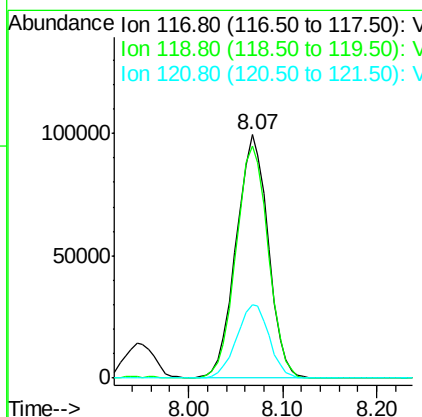
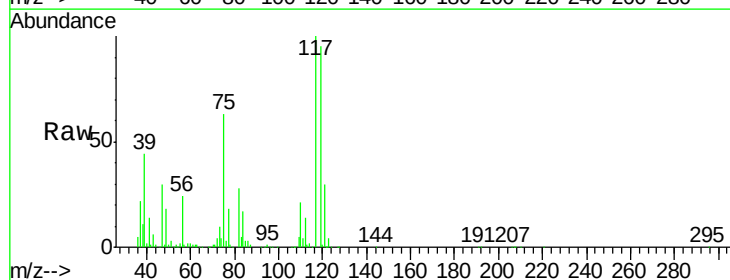
Manual Integrations
APPROVED

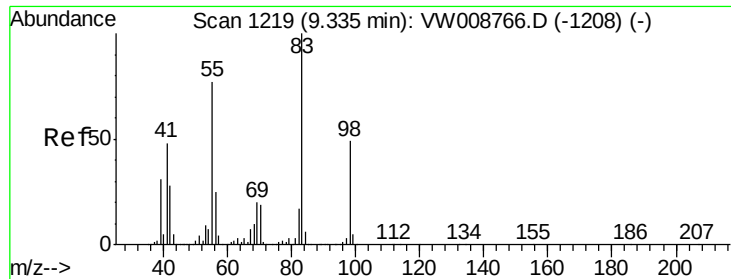
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#38
Carbon Tetrachloride
Concen: 47.408 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.1	114.1
121	30.0	24.0	36.0





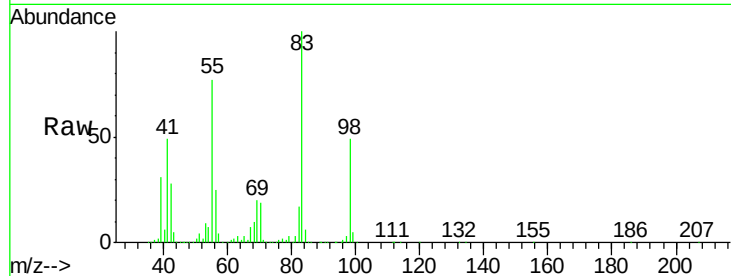
#39
Methylvlcyclohexane
Concen: 49.577 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

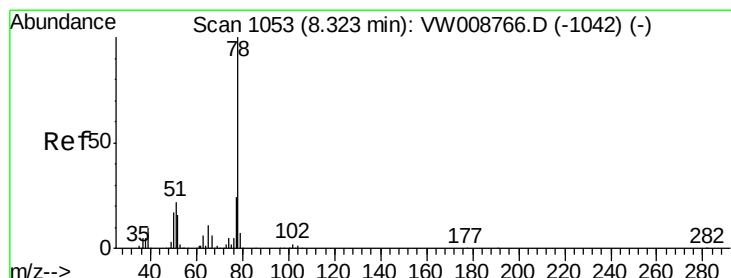
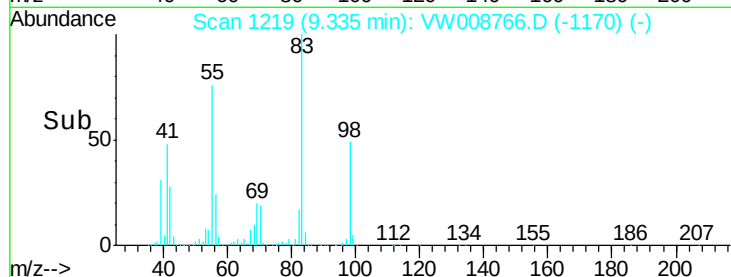
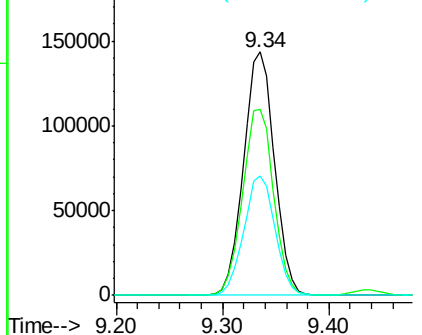
Tot Ion	Ratio	Resp	Lower	Upper
83	100	292562		
55	76.5		61.2	91.8
98	49.3		39.4	59.2

Manual Integrations
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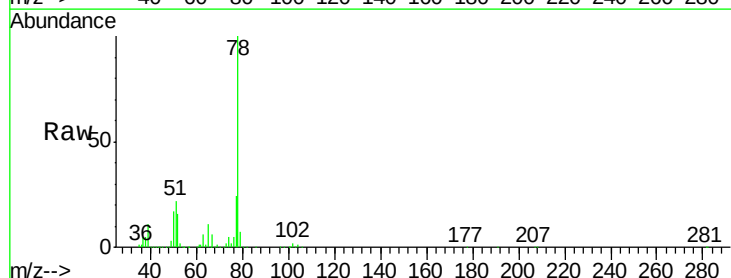


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

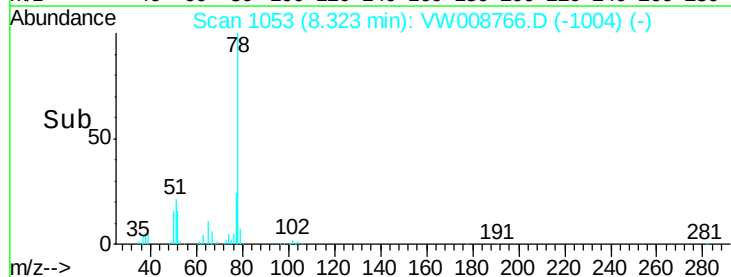
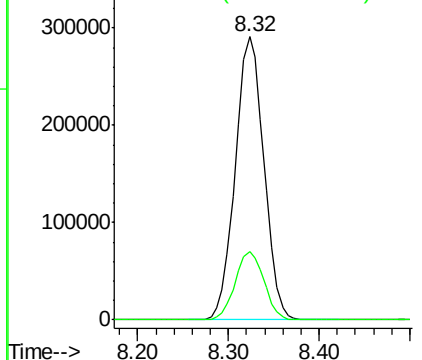


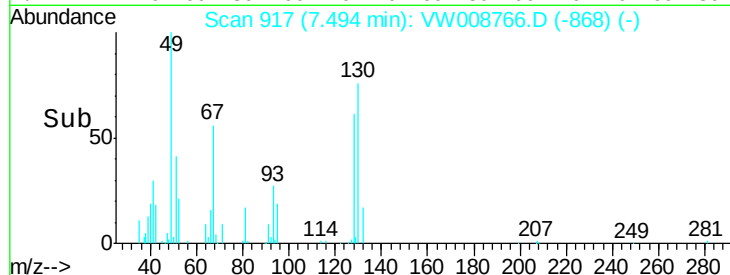
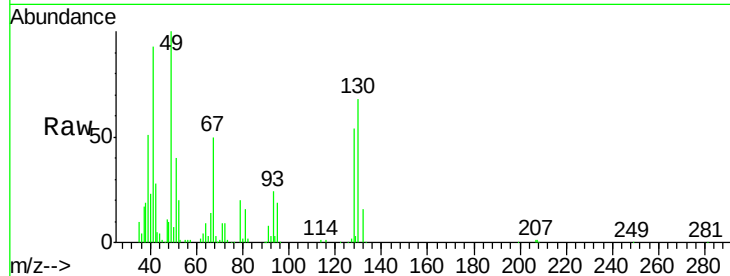
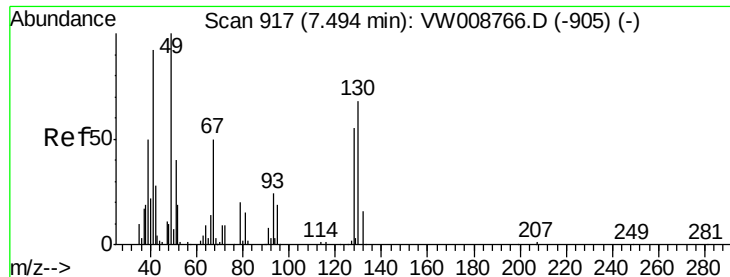
#40
Benzene
Concen: 49.290 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	636689		
77	24.1		19.3	28.9



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





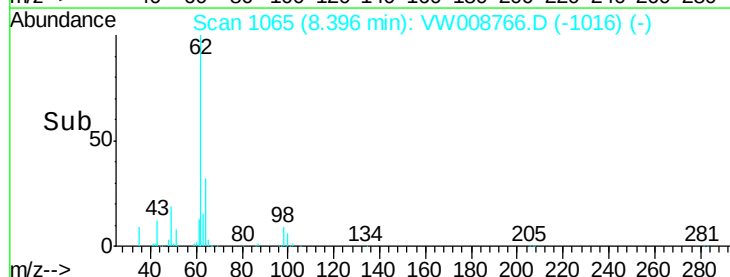
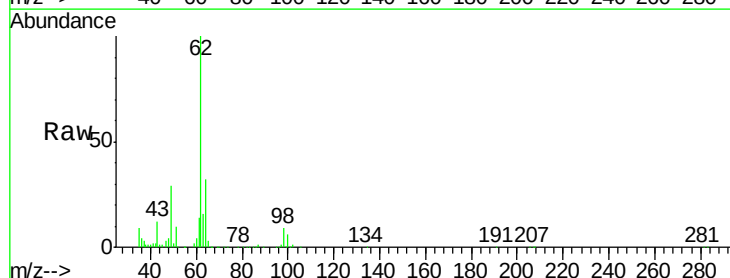
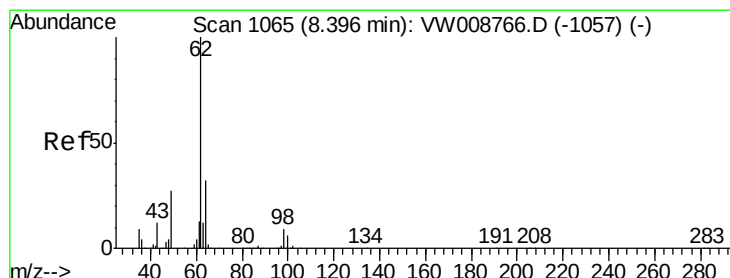
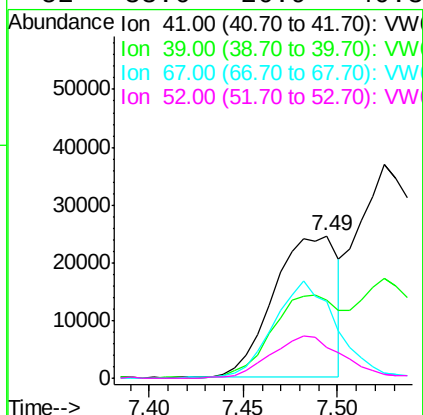
#41
Methacrylonitrile
Concen: 44.974 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tot Ion	41	Resp	58160
Ion	Ratio	Lower	Upper
41	100		
39	65.6	52.5	78.7
67	68.8	55.0	82.6
52	33.6	26.9	40.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

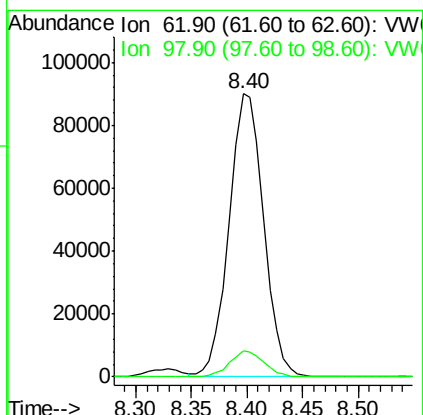
Manual Integrations
APPROVED

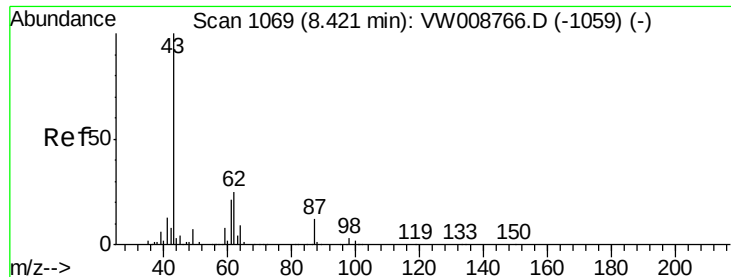
MMDadoda
2/22/2019 12:25:16 PM



#42
1,2-Dichloroethane
Concen: 47.378 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	62	Resp	193864
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 46.984 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

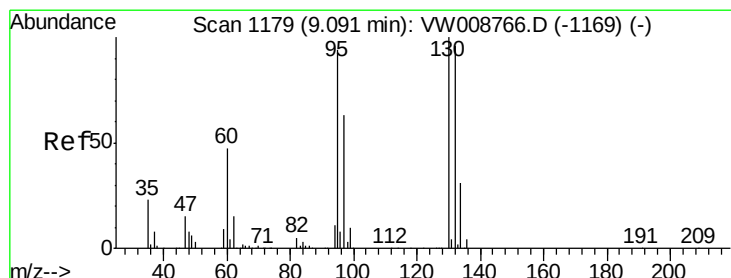
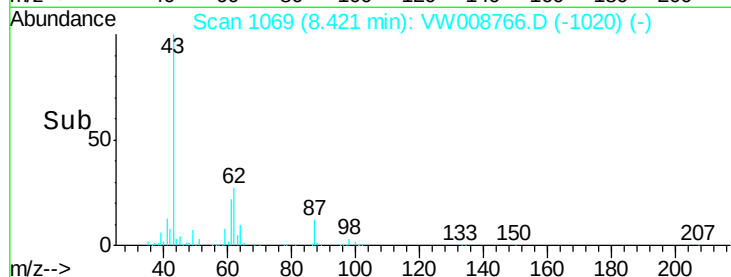
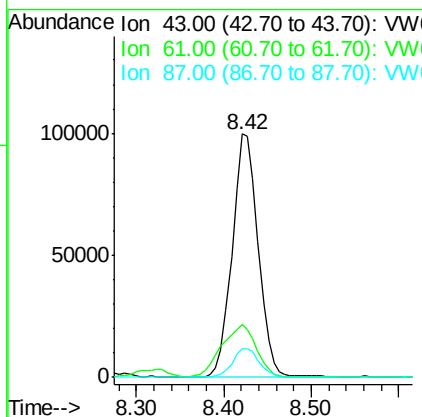
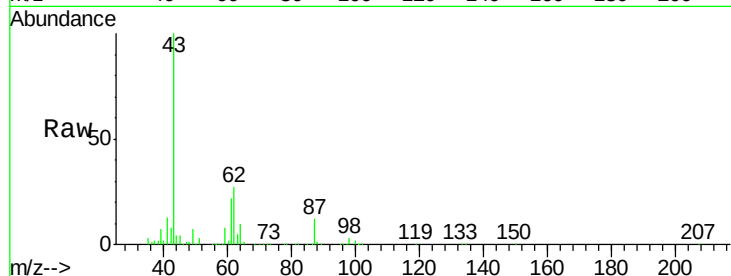
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	206299
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.2	34.8
87	12.4	9.9	14.9

Manual Integrations
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MMDadoda
2/22/2019 12:25:16 PM



#44

Trichloroethene

Concen: 48.203 ug/l

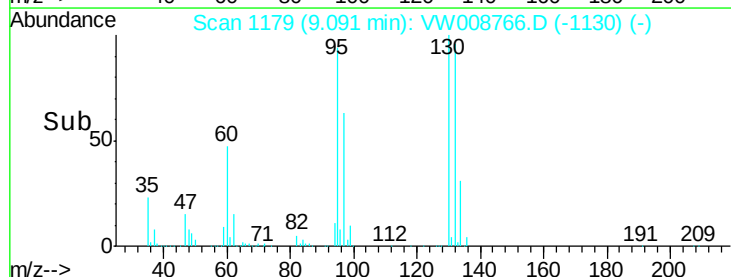
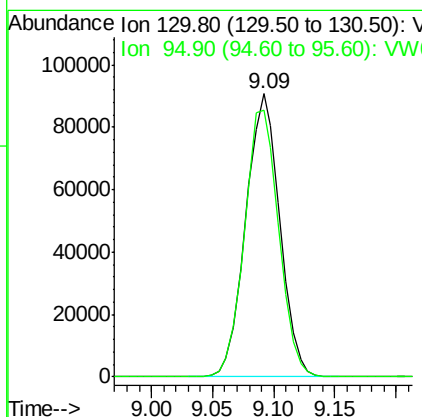
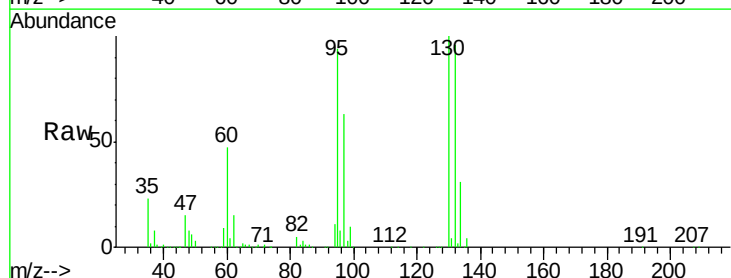
RT: 9.09 min Scan# 1179

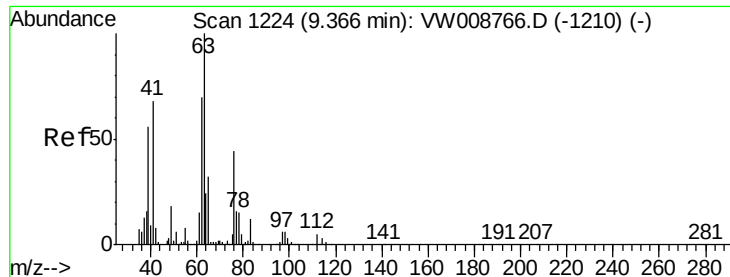
Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Tgt Ion:	130	Resp:	175405
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	188.6





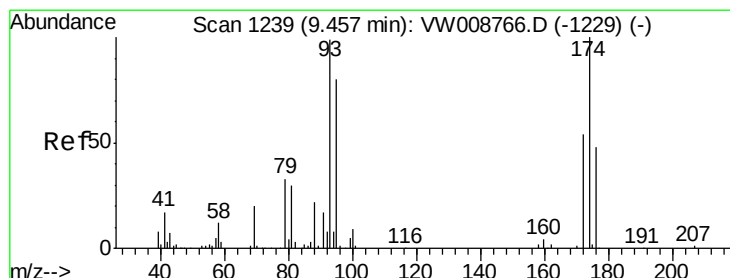
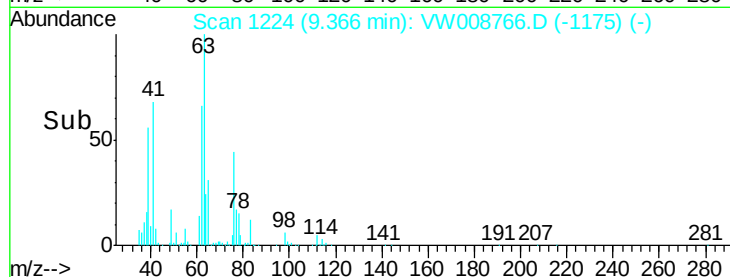
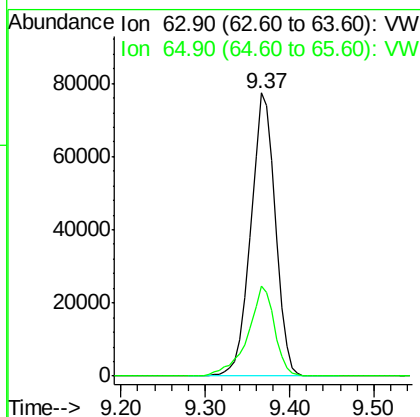
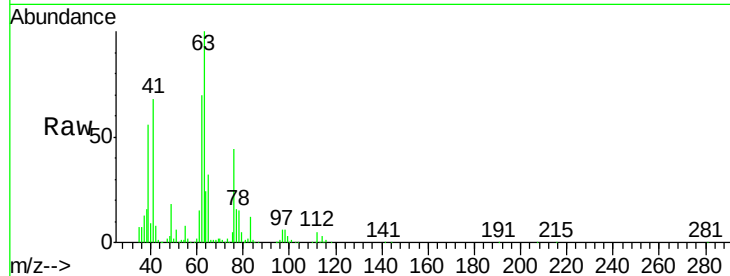
#45
1,2-Dichloropropane
Concen: 47.701 ug/l
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3

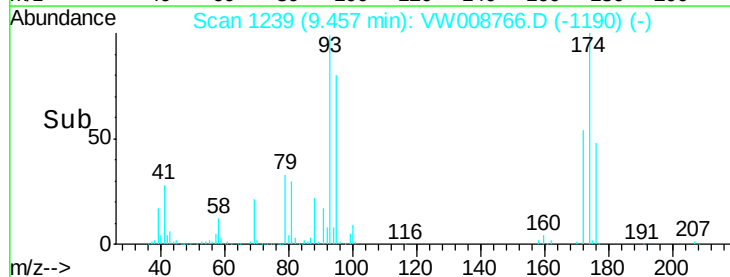
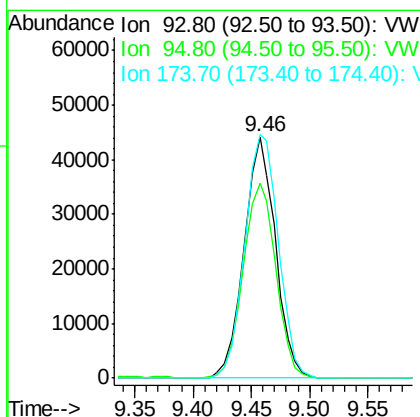
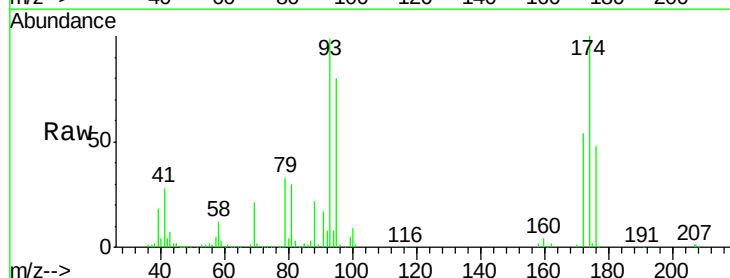
Manual Integrations
APPROVED

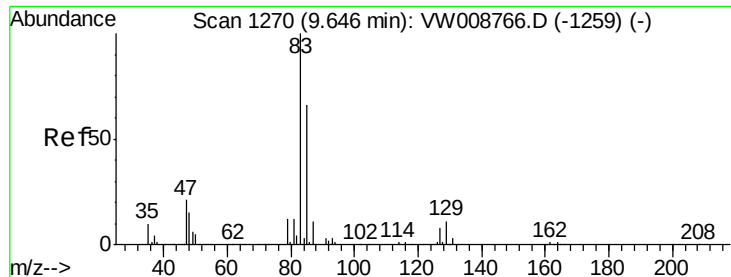
MMDadoda
2/22/2019 12:25:16 PM



#46
Dibromomethane
Concen: 46.813 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.7	101.5
174	108.4	86.7	130.1





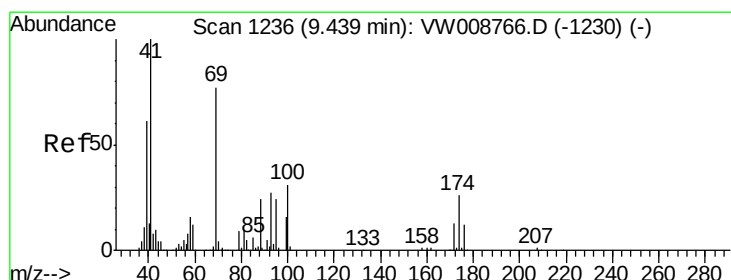
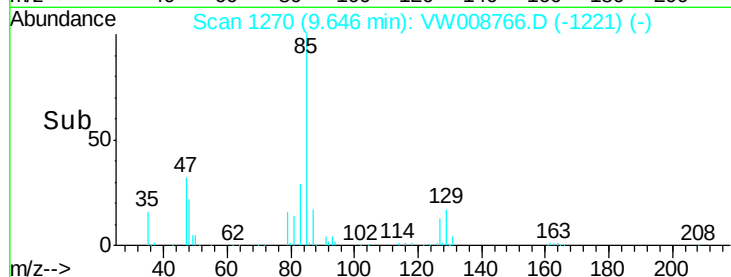
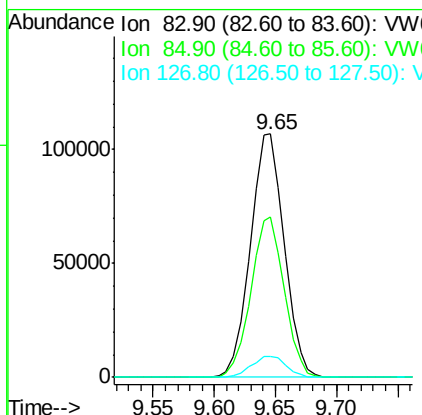
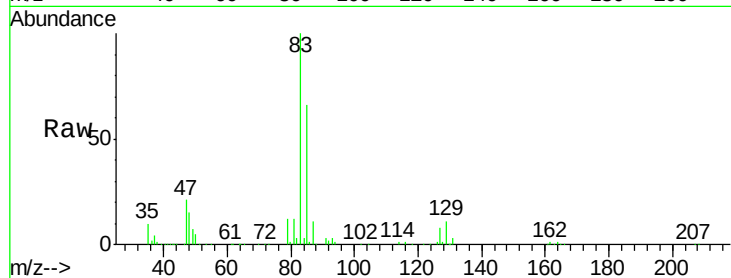
#47
Bromodichloromethane
Concen: 47.616 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	205698		
85	65.6		52.5	78.7
127	8.4		6.7	10.1

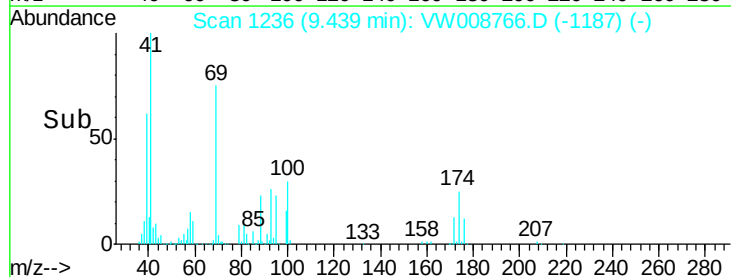
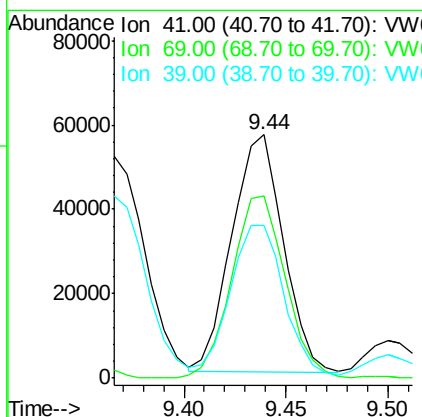
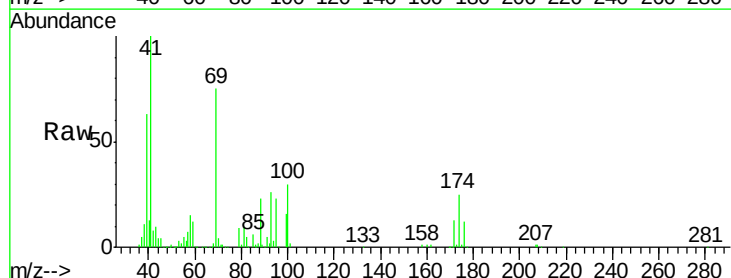
Manual Integrations
APPROVED

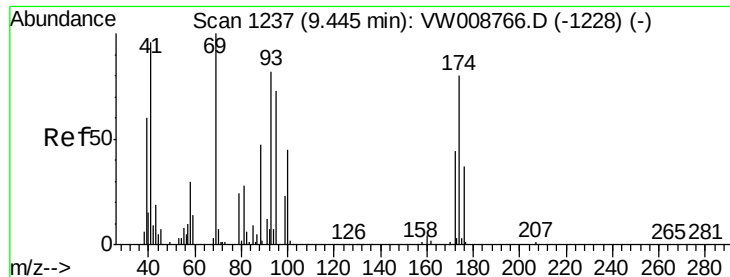
MMDadoda
2/22/2019 12:25:16 PM



#48
Methyl methacrylate
Concen: 46.946 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	98726		
69	79.5		63.6	95.4
39	65.1		52.1	78.1





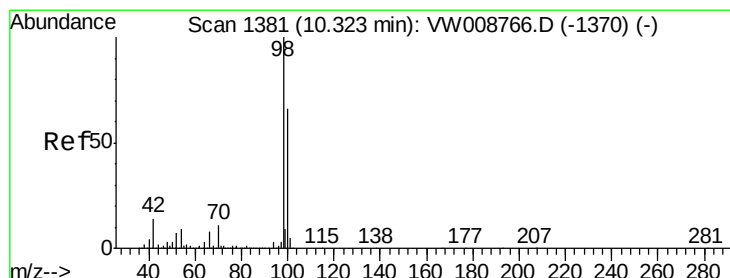
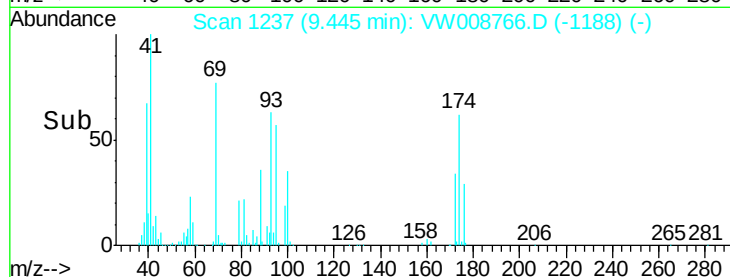
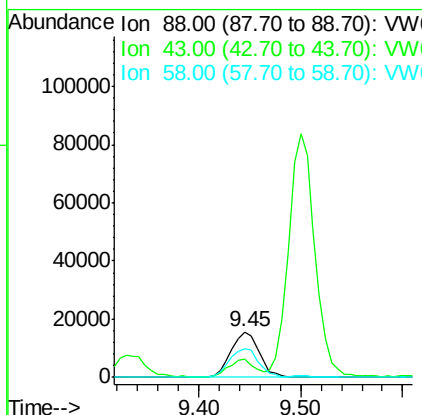
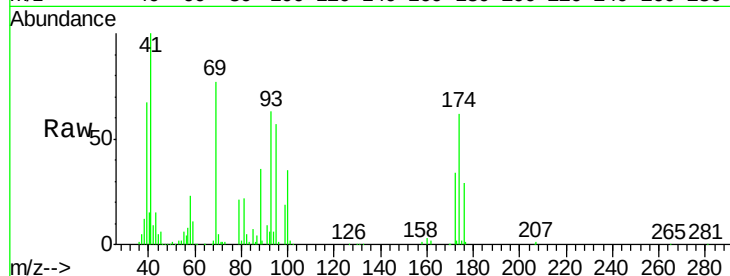
#49
1,4-Dioxane
Concen: 1061.988 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	88	Resp	30196
Ion Ratio	Lower	Upper	
88	100		
43	36.2	29.0	43.4
58	65.0	52.0	78.0

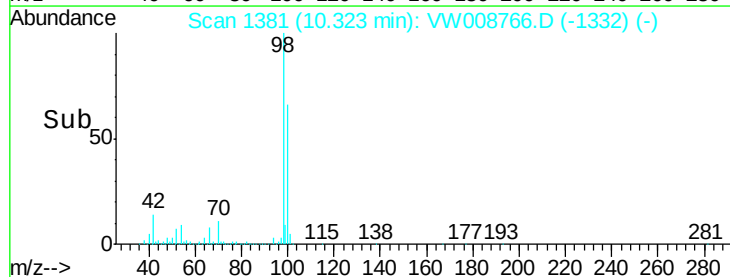
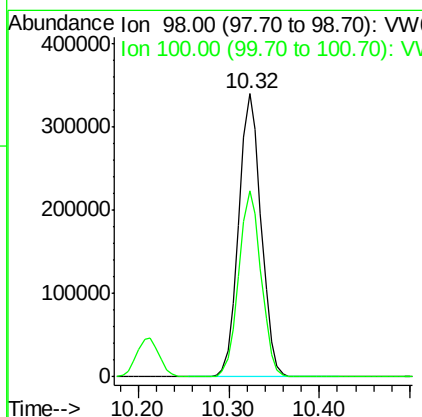
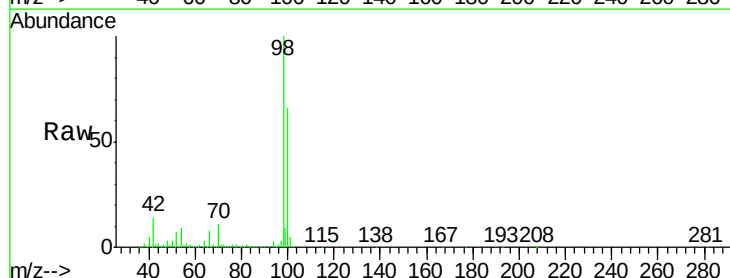
Manual Integrations
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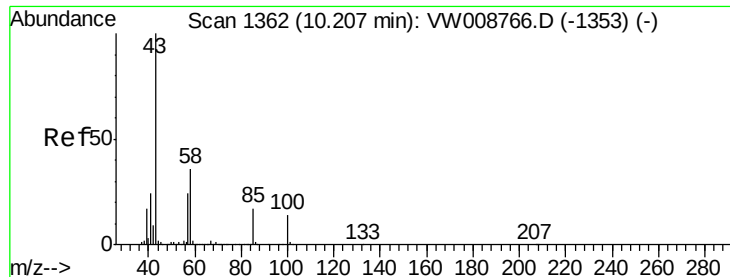
MMDadoda
2/22/2019 12:25:16 PM



#50
Toluene-d8
Concen: 51.918 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	98	Resp	584838
Ion Ratio	Lower	Upper	
98	100		
100	65.5	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 243.053 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 541823

Ion Ratio Lower Upper

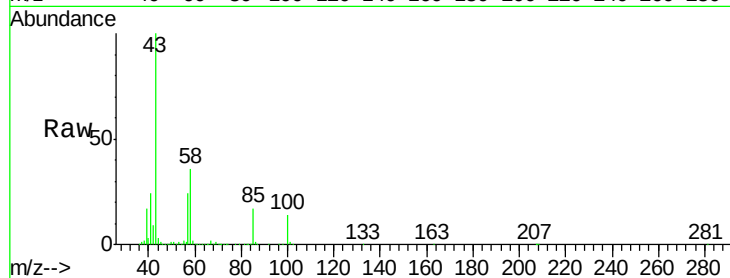
43 100

58 36.4 29.1 43.7

Manual Integrations
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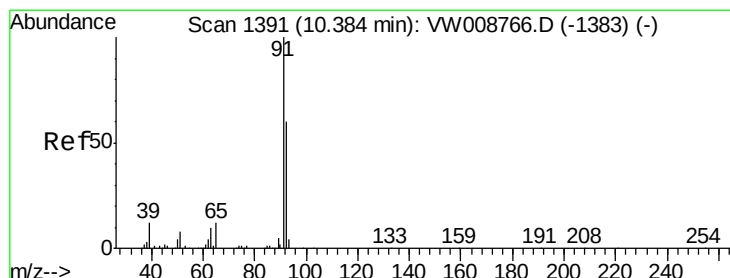
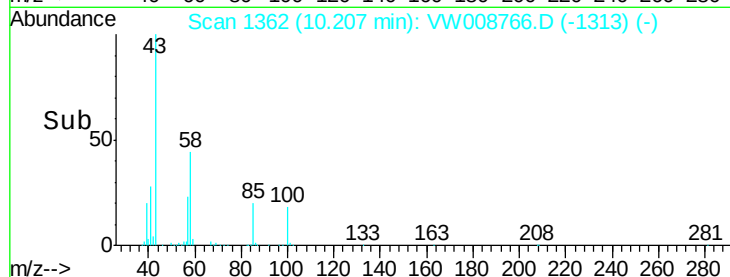
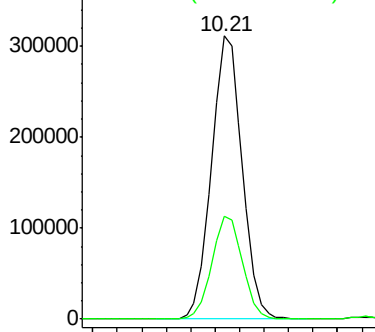
MMDadoda

2/22/2019 12:25:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 49.689 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008766.D

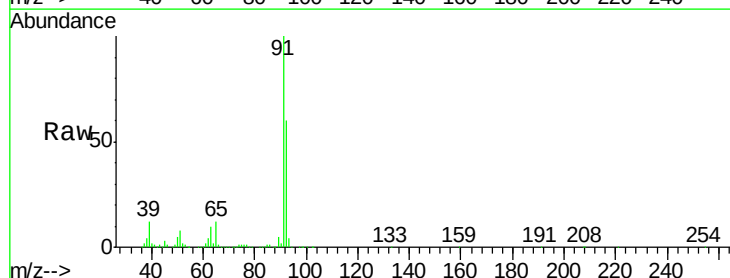
Acq: 21 Feb 2019 12:13

Tgt Ion: 92 Resp: 435599

Ion Ratio Lower Upper

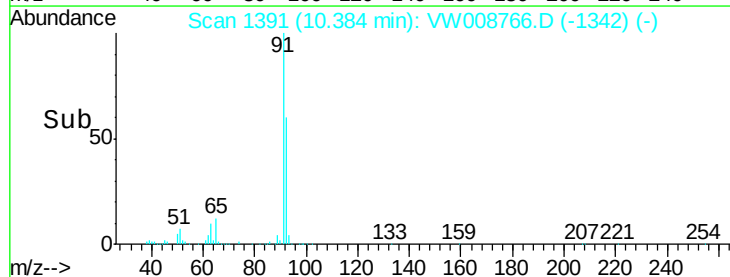
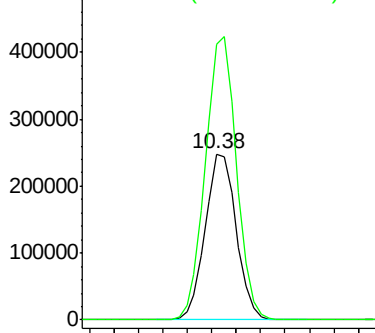
92 100

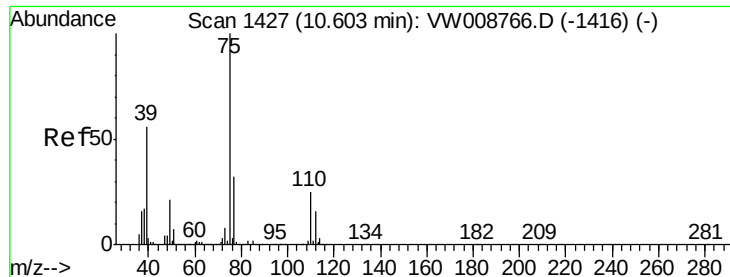
91 171.1 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 48.829 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 75 Resp: 214998

Ion Ratio Lower Upper

75 100

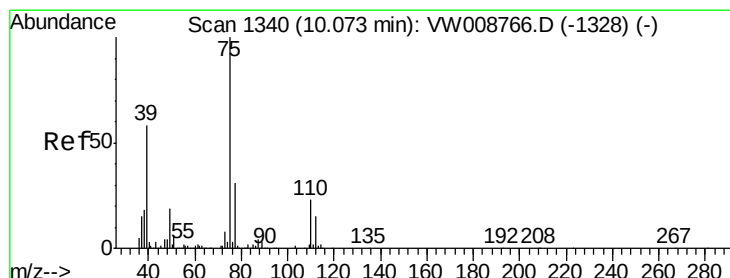
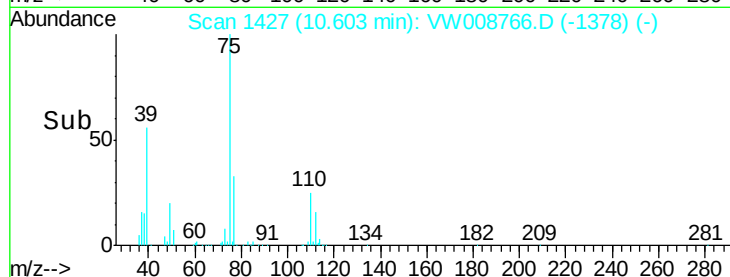
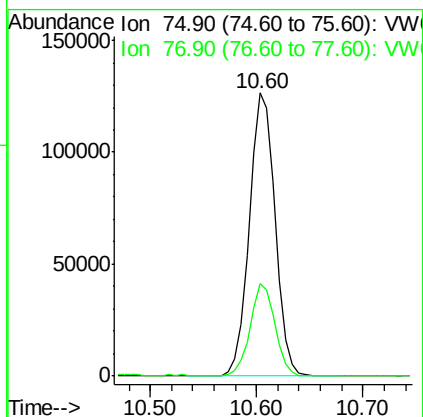
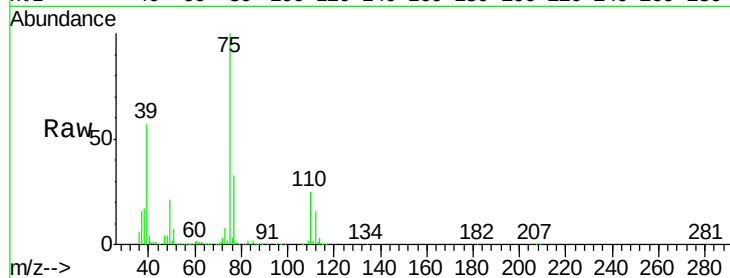
77 32.6 26.1 39.1

Manual Integrations

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2/22/2019 12:25:16 PM



#54

cis-1,3-Dichloropropene

Concen: 48.681 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

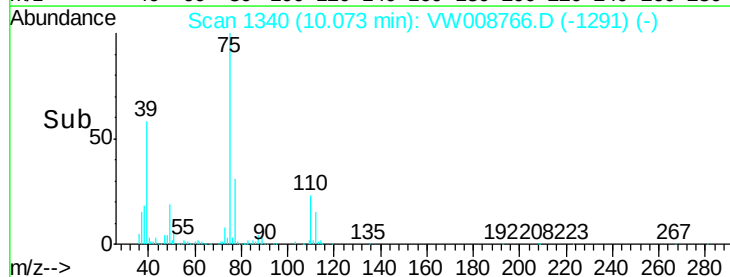
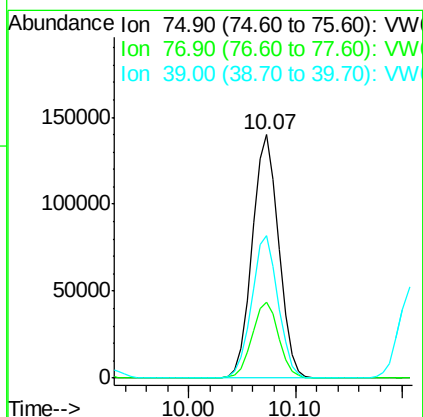
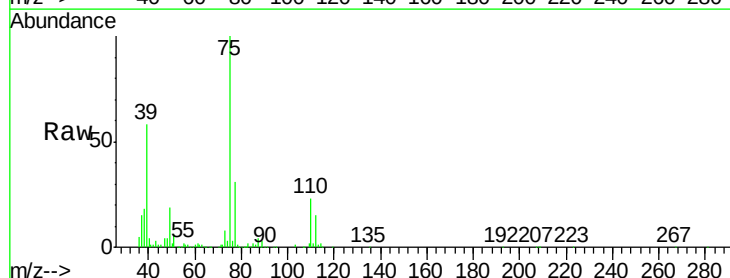
Tgt Ion: 75 Resp: 244466

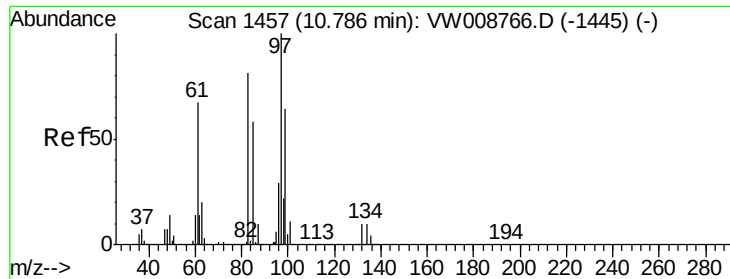
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

39 58.3 46.6 70.0





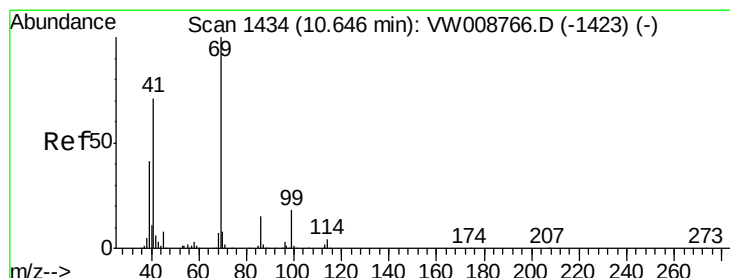
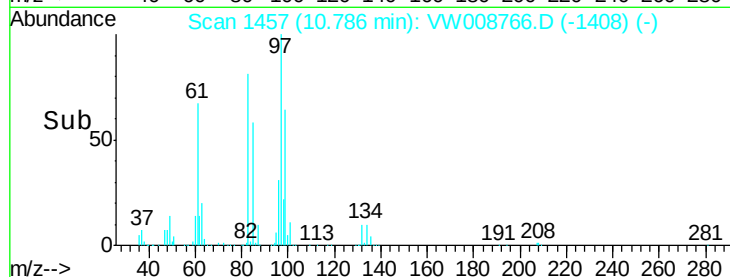
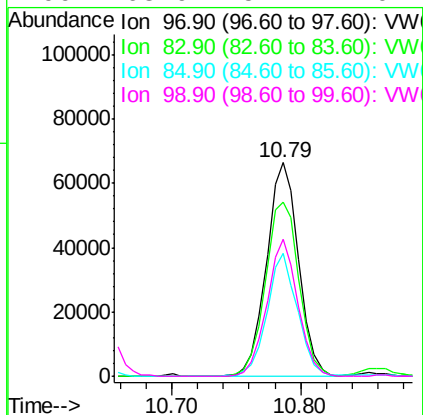
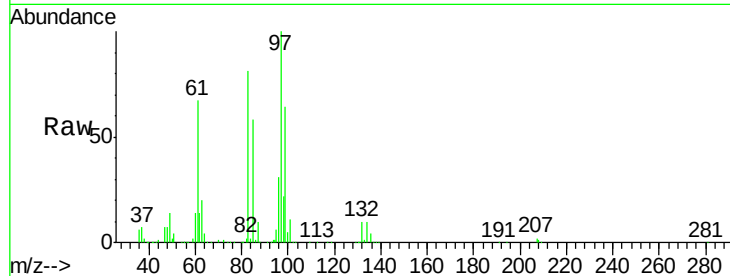
#55
 1,1,2-Trichloroethane
 Concen: 47.610 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		114641		
83	81.3	65.0	97.6		
85	57.5	46.0	69.0		
99	63.9	51.1	76.7		

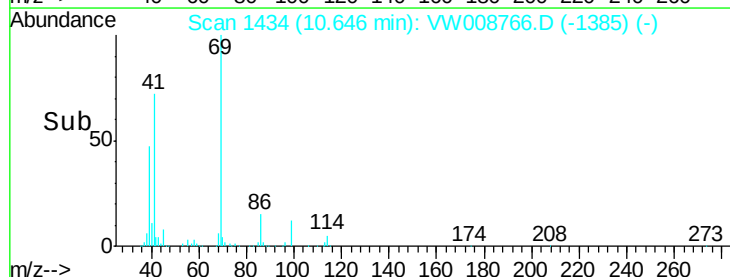
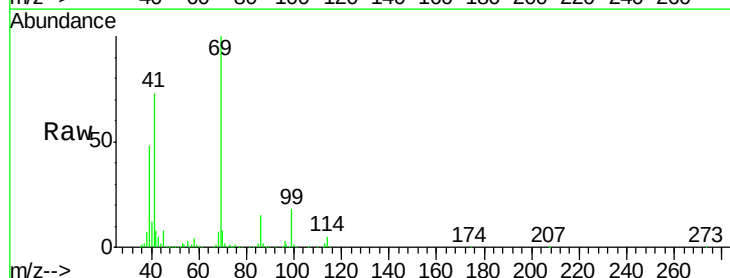
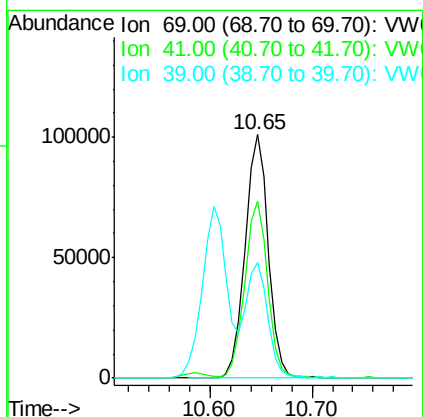
Manual Integrations
 APPROVED

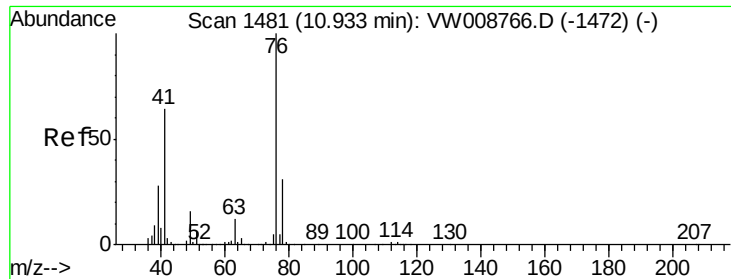
MMDadoda
 2/22/2019 12:25:16 PM



#56
 Ethyl methacrylate
 Concen: 51.088 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		159822		
41	71.7	57.4	86.0		
39	43.5	34.8	52.2		





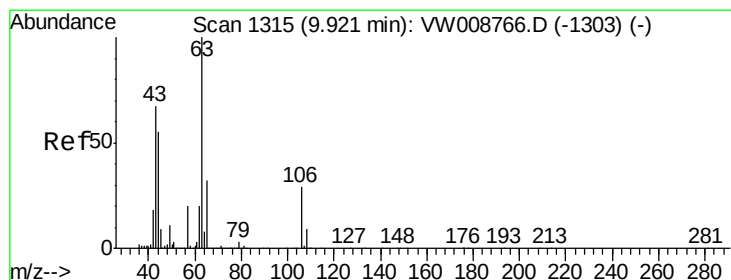
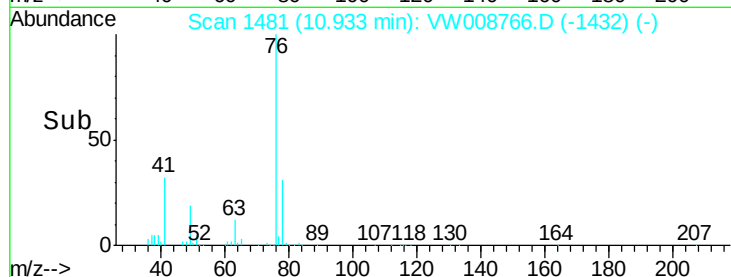
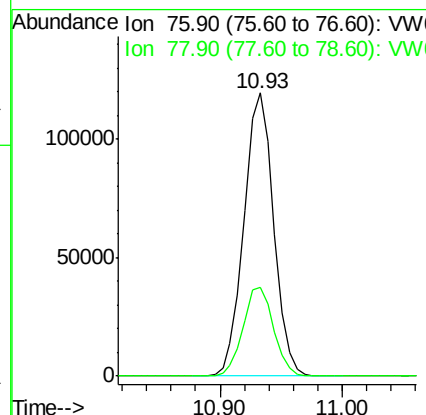
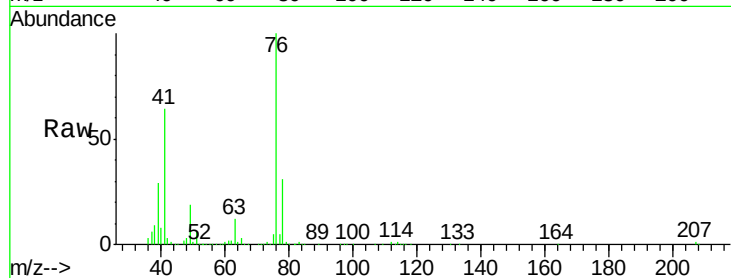
#57
 1,3-Dichloropropane
 Concen: 47.332 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

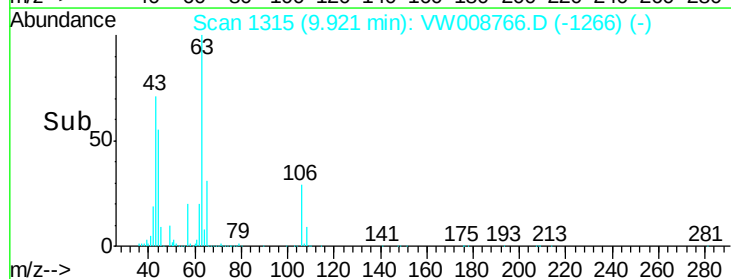
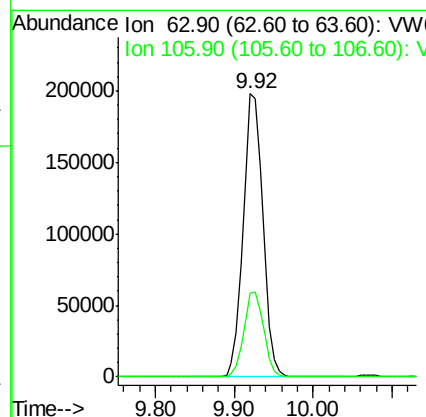
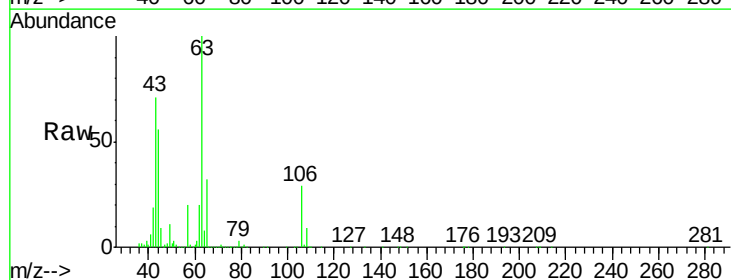
Manual Integrations
 APPROVED

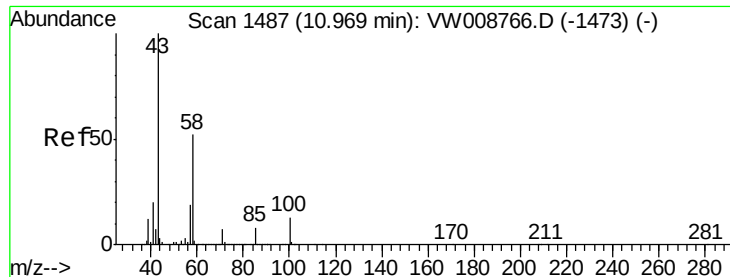
MMDadoda
 2/22/2019 12:25:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 219.383 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	24.0	36.0





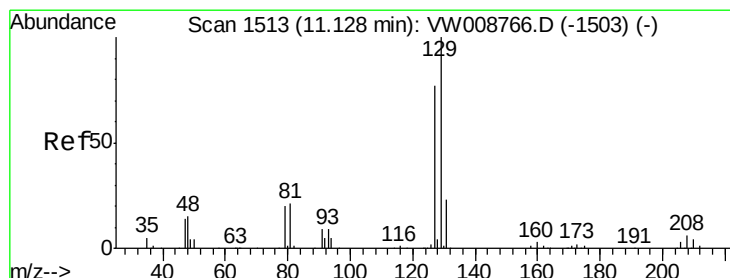
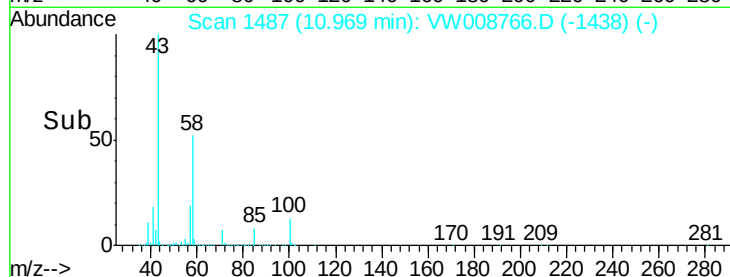
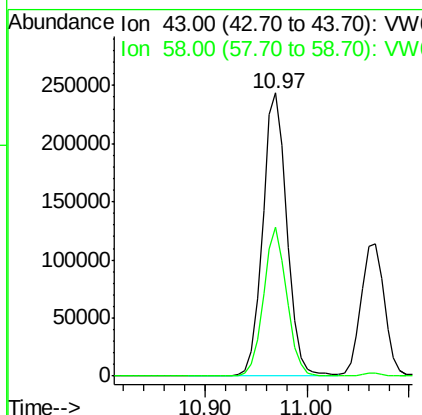
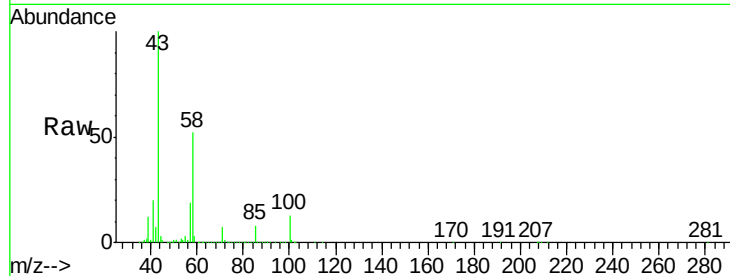
#59
2-Hexanone
Concen: 252.453 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 400608
Ion Ratio Lower Upper
43 100
58 50.5 25.3 75.8

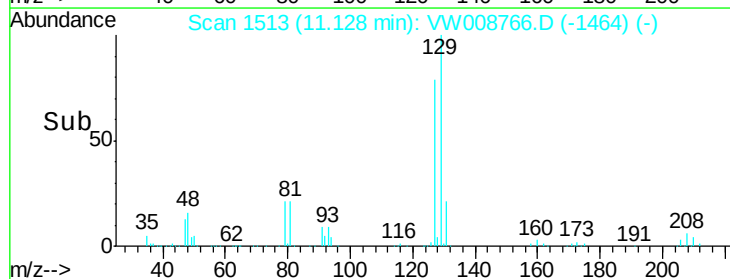
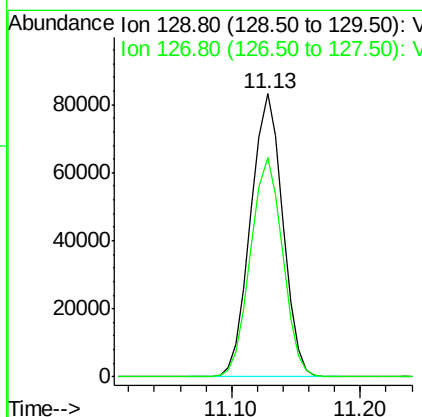
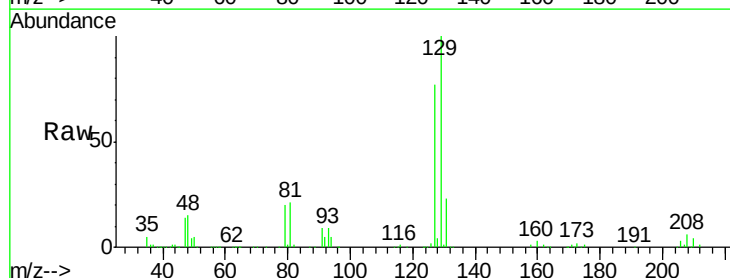
Manual Integrations
APPROVED

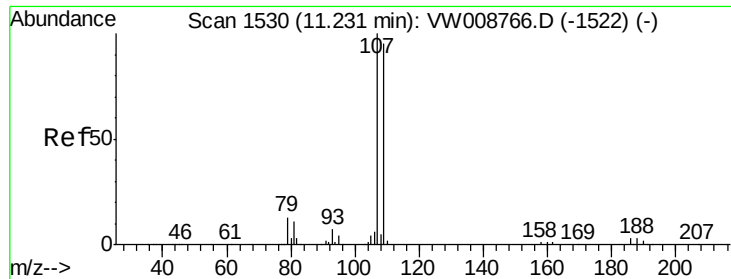
MMDadoda
2/22/2019 12:25:16 PM



#60
Dibromochloromethane
Concen: 48.510 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion: 129 Resp: 142473
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





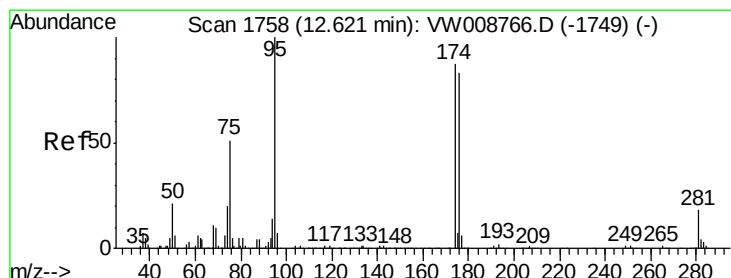
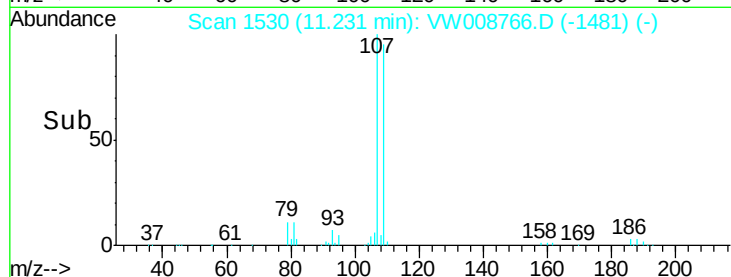
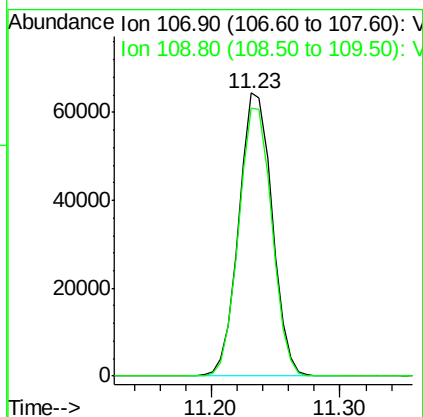
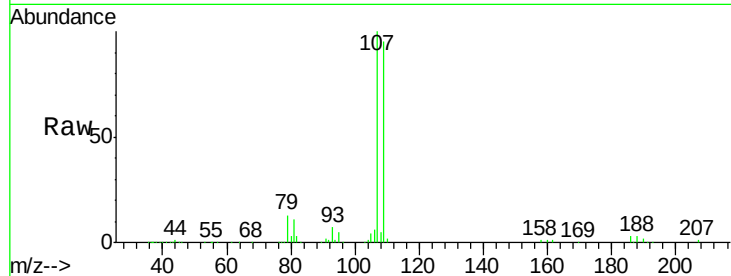
#61
1,2-Dibromoethane
Concen: 48.356 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.6	113.4

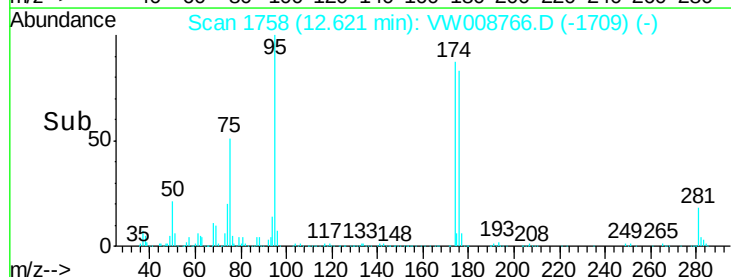
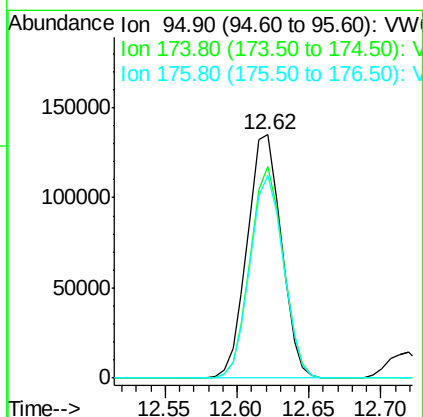
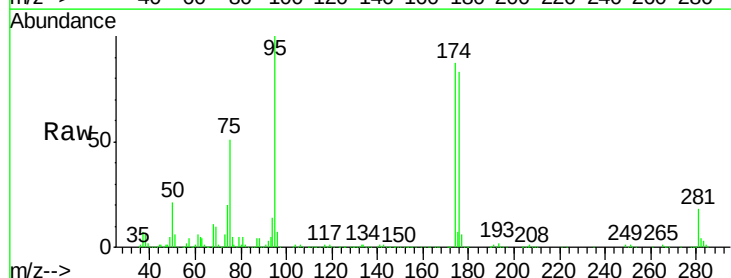
Manual Integrations
APPROVED

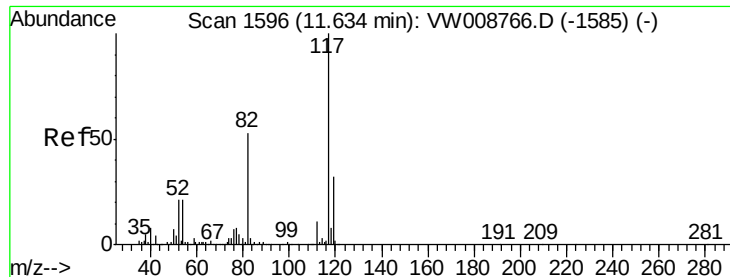
MMDadoda
2/22/2019 12:25:16 PM



#62
4-Bromofluorobenzene
Concen: 50.240 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	169.2
176	81.8	0.0	163.6





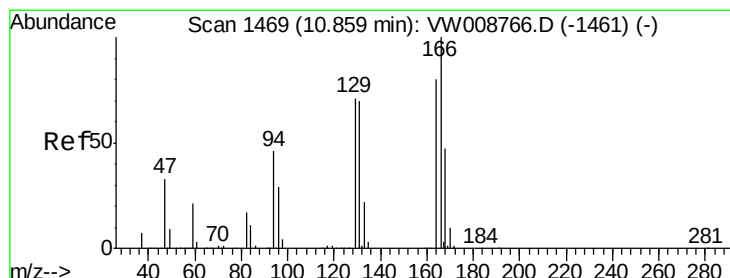
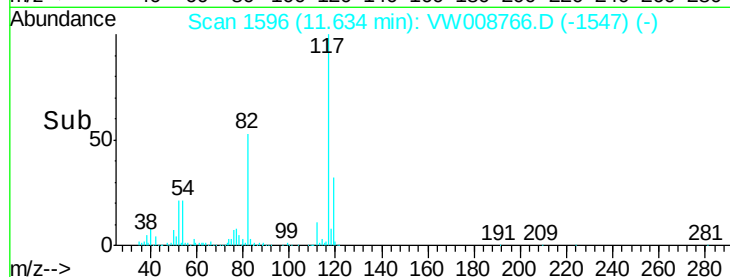
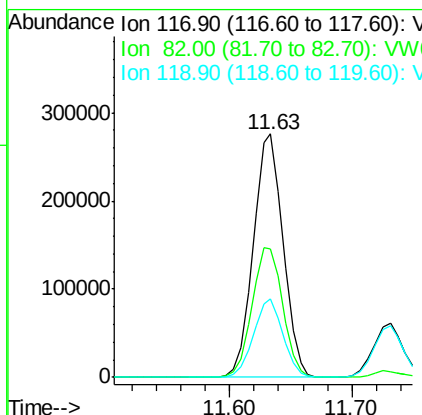
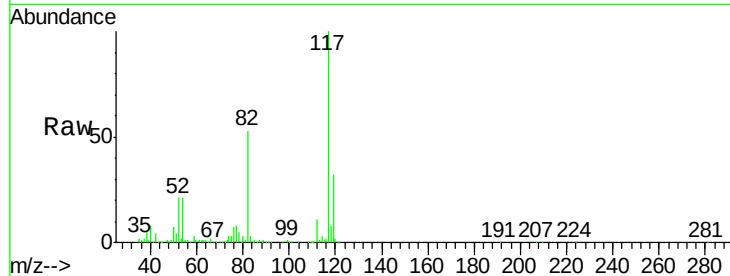
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	32.4	25.9	38.9

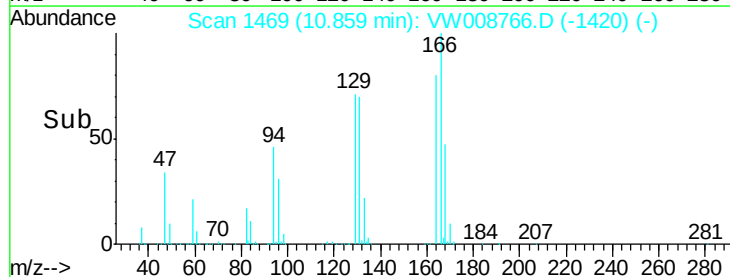
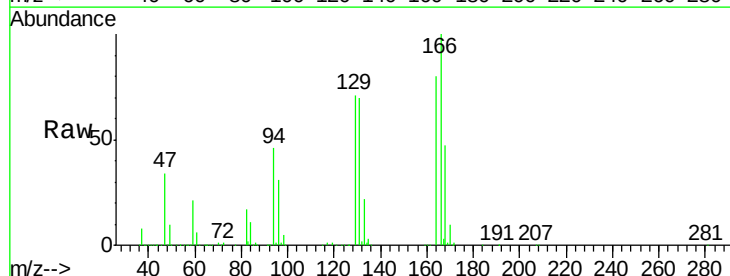
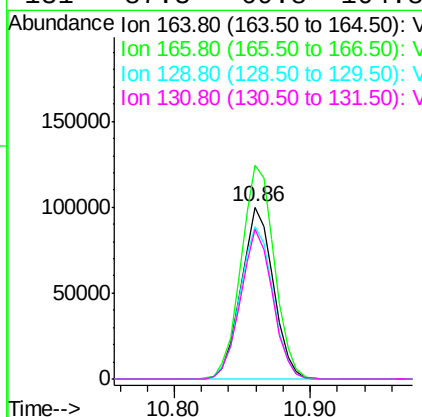
Manual Integrations
APPROVED

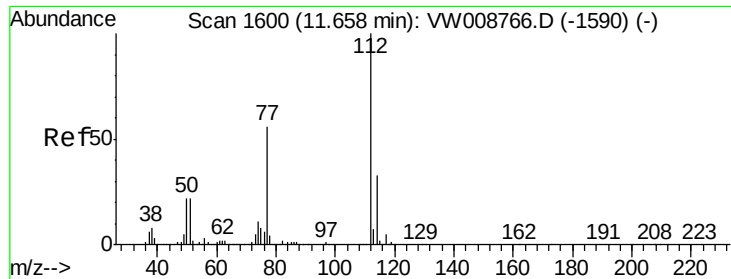
MMDadoda
2/22/2019 12:25:16 PM



#64
Tetrachloroethene
Concen: 49.329 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	99.5	149.3
129	88.9	71.1	106.7
131	87.3	69.8	104.8





#65

Chlorobenzene

Concen: 48.798 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 480485

Ion Ratio Lower Upper

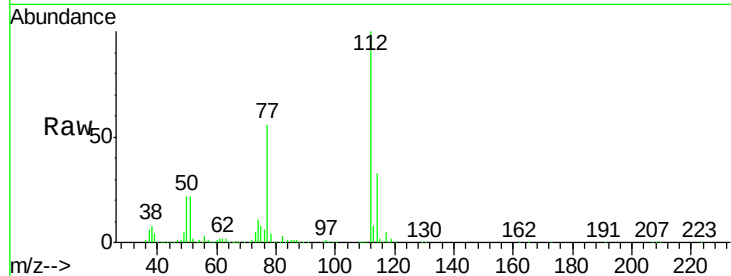
112 100

114 33.3 26.6 40.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

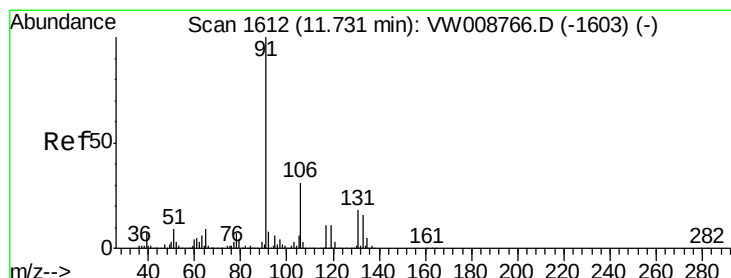
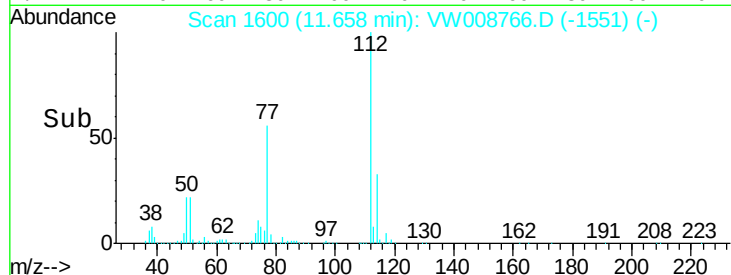
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.168 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

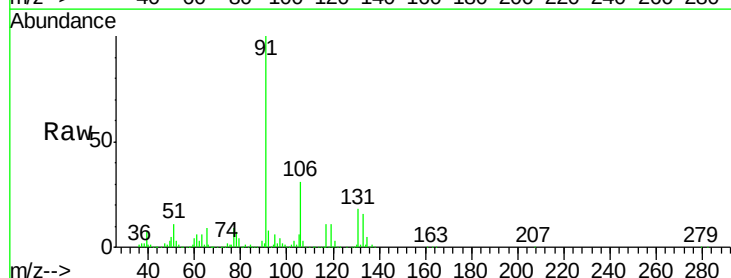
Tgt Ion:131 Resp: 160366

Ion Ratio Lower Upper

131 100

133 93.3 46.7 140.0

119 61.6 30.8 92.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

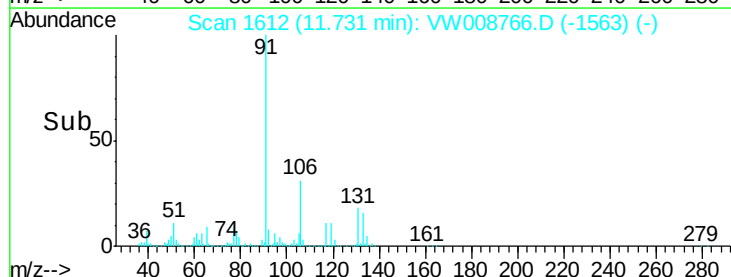
11.73

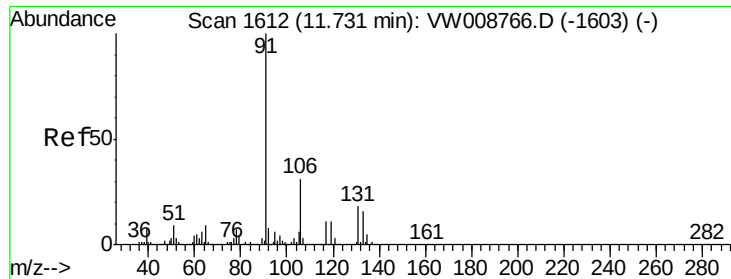
100000

50000

0

Time-->





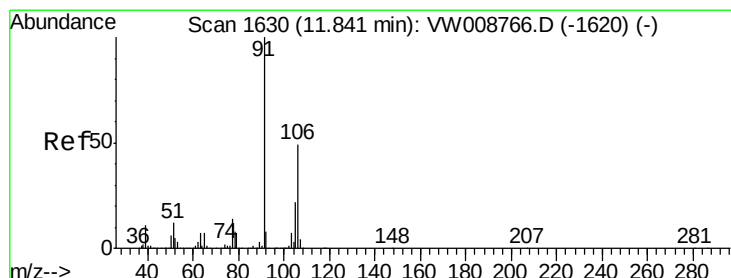
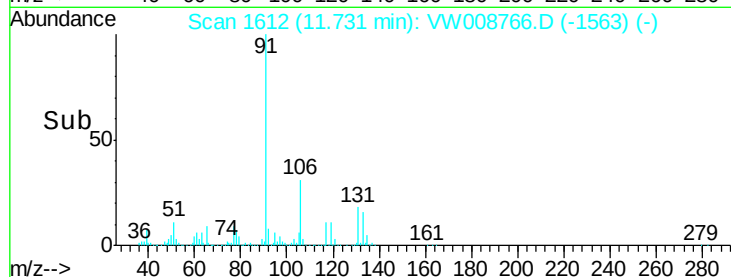
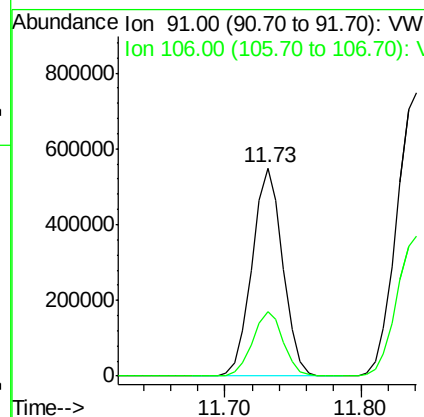
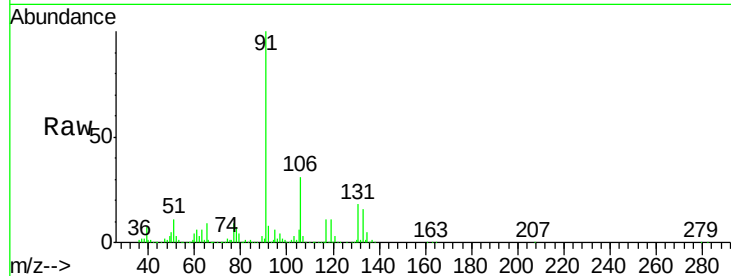
#67
Ethyl Benzene
Concen: 49.388 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 869323
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6

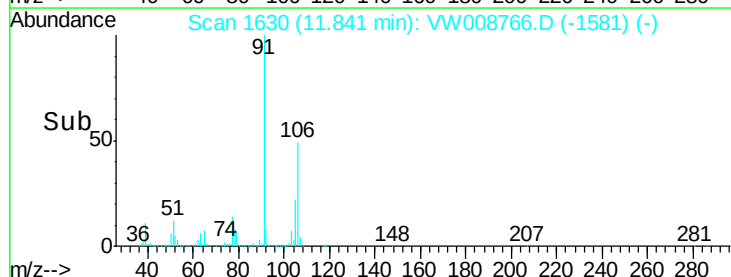
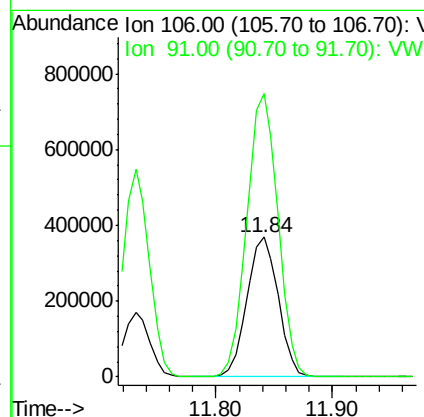
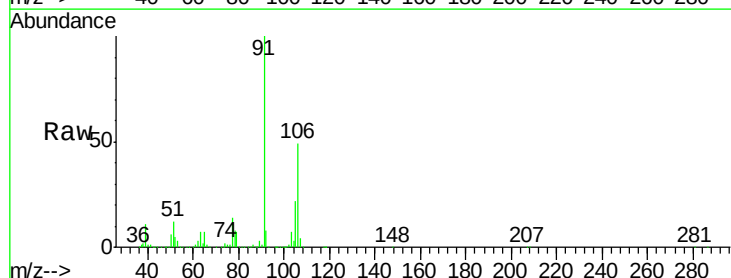
Manual Integrations
APPROVED

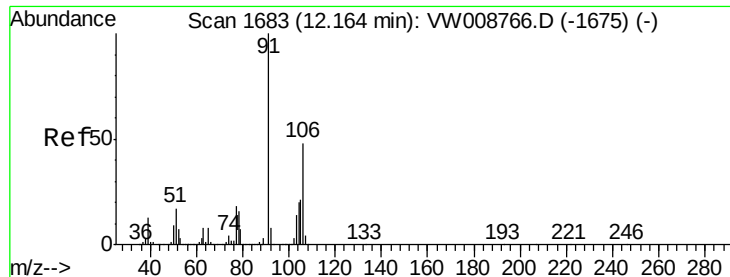
MMDadoda
2/22/2019 12:25:16 PM



#68
m/p-Xylenes
Concen: 98.427 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion: 106 Resp: 692228
Ion Ratio Lower Upper
106 100
91 201.9 161.5 242.3





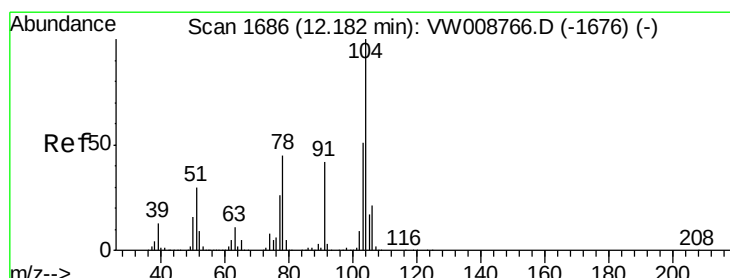
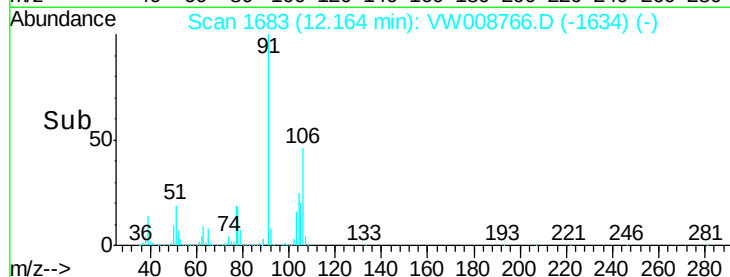
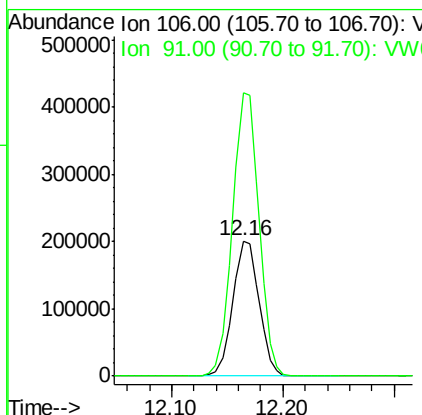
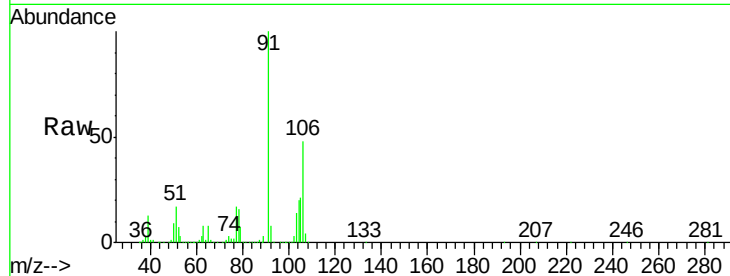
#69
o-Xylene
Concen: 49.403 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.4	106.2	318.6	

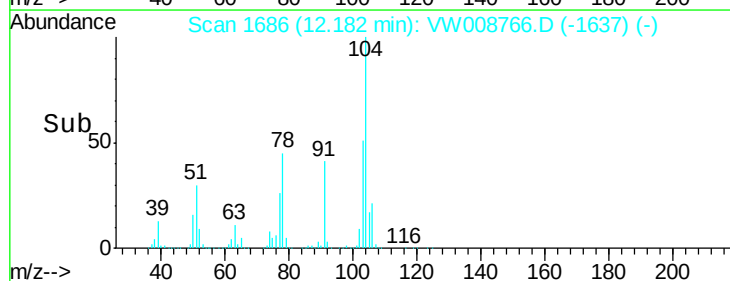
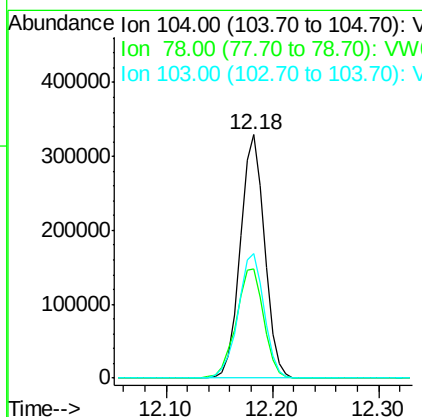
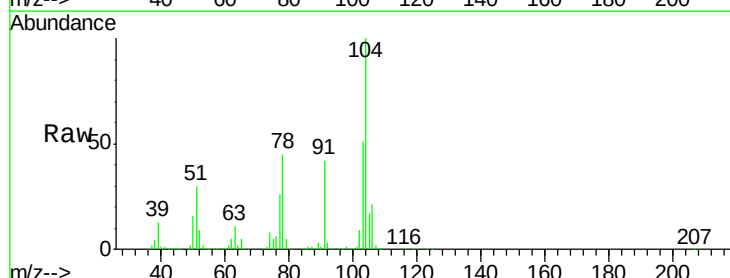
Manual Integrations
APPROVED

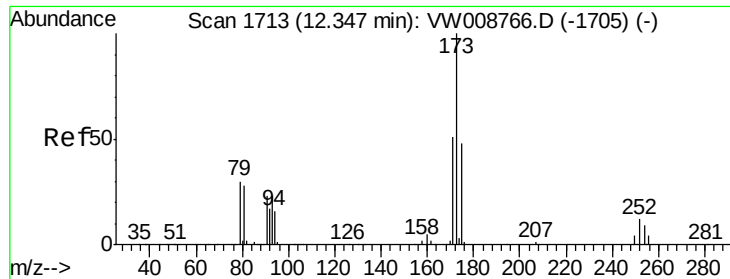
MMDadoda
2/22/2019 12:25:16 PM



#70
Styrene
Concen: 49.655 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.0	40.8	61.2	
103	55.2	44.2	66.2	





#71

Bromoform

Concen: 47.645 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

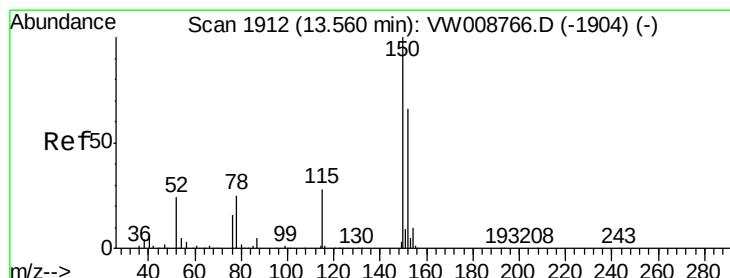
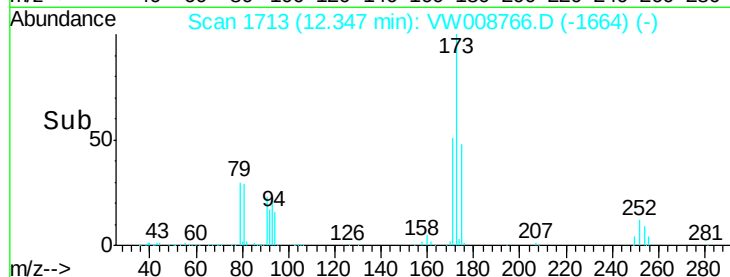
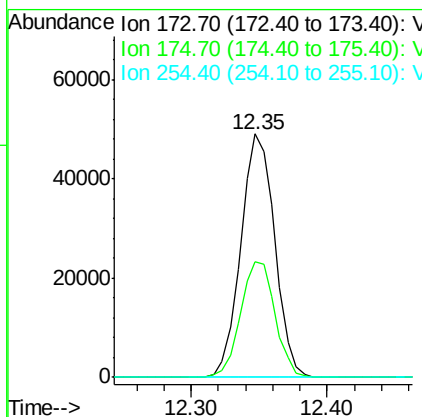
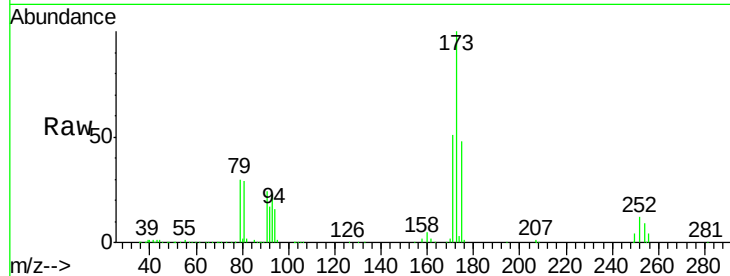
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.3	0.2	0.4

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

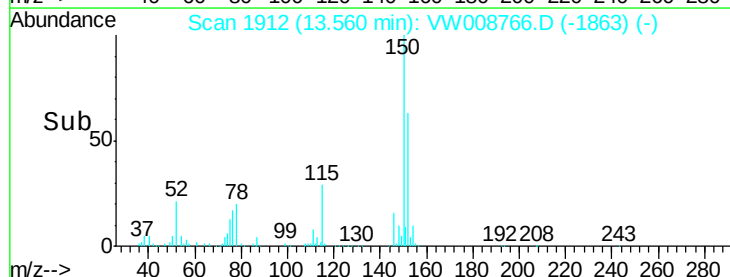
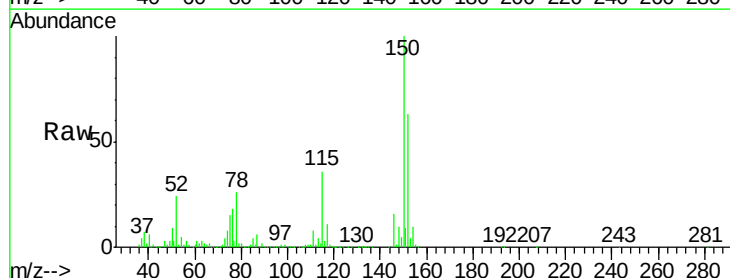
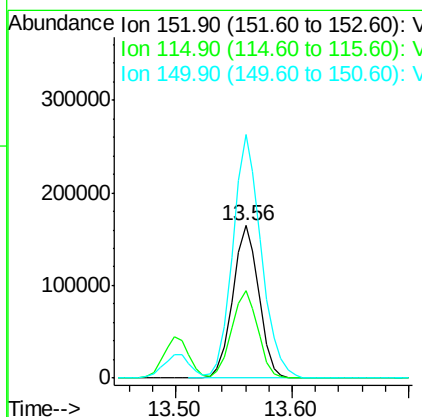
RT: 13.56 min Scan# 1912

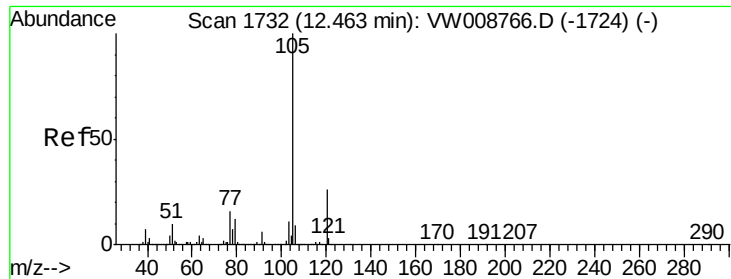
Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.6	85.8
150	174.0	0.0	348.0





#73

Isopropylbenzene

Concen: 50.604 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 887397

Ion Ratio Lower Upper

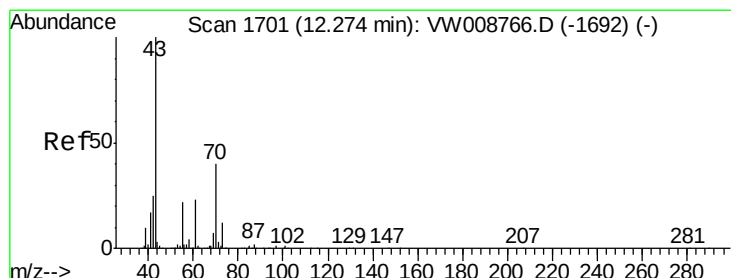
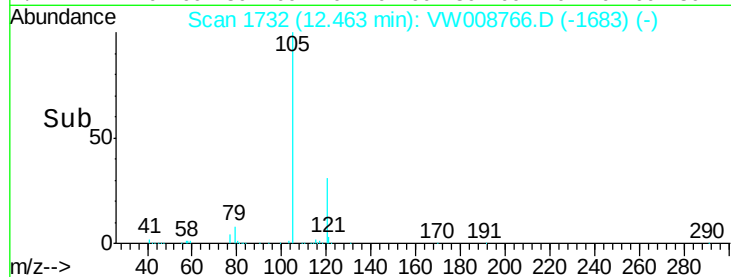
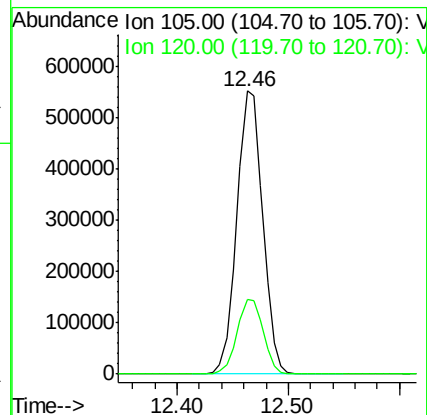
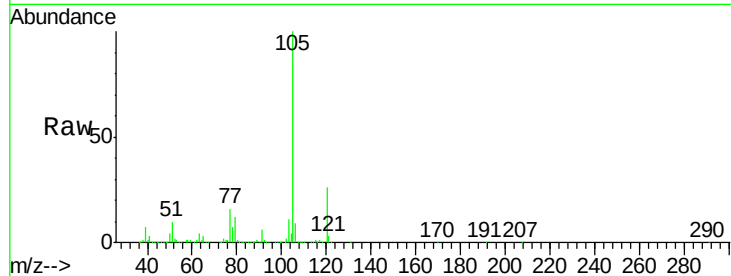
105 100

120 26.6 13.3 39.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 50.457 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Tgt Ion: 43 Resp: 222882

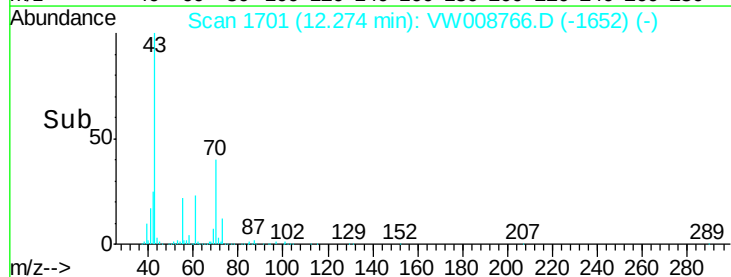
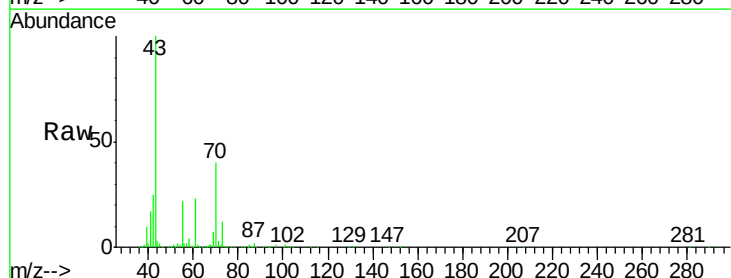
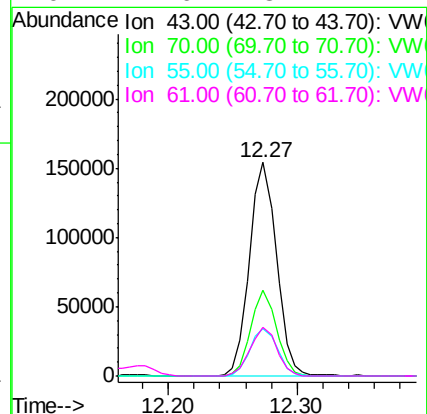
Ion Ratio Lower Upper

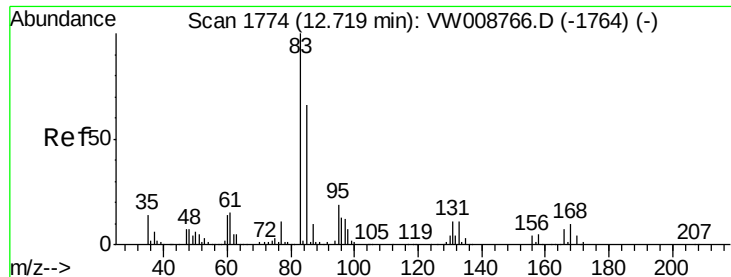
43 100

70 38.8 31.0 46.6

55 23.4 18.7 28.1

61 22.6 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.085 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

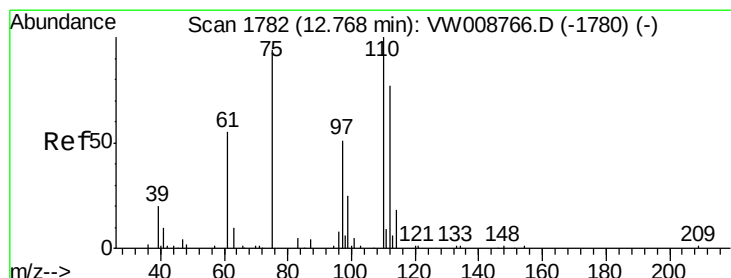
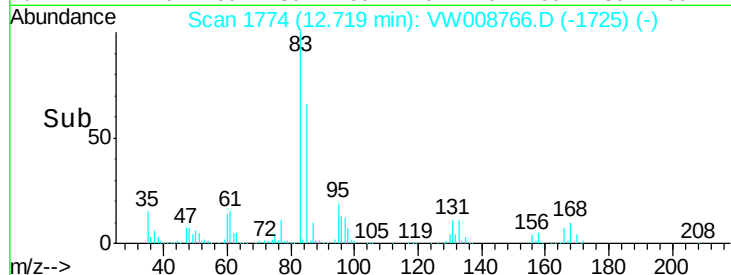
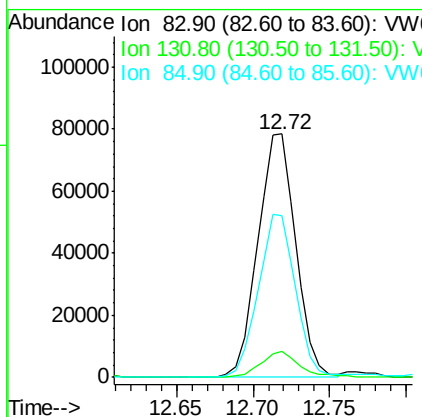
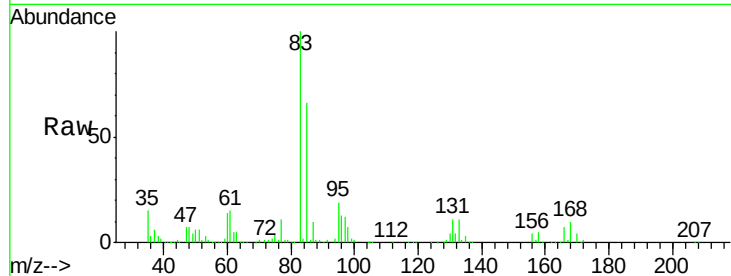
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	134915
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.7
85	65.9	33.0	98.9

Manual Integrations
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2/22/2019 12:25:16 PM



#76

1,2,3-Trichloropropane

Concen: 44.363 ug/l m

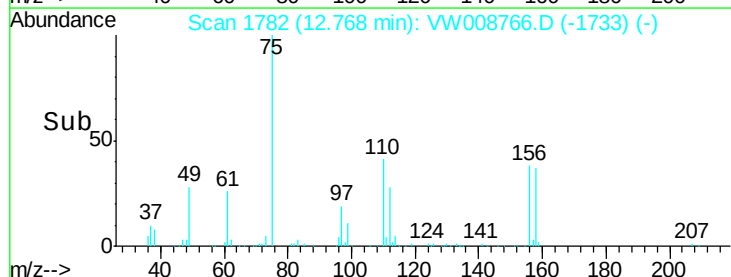
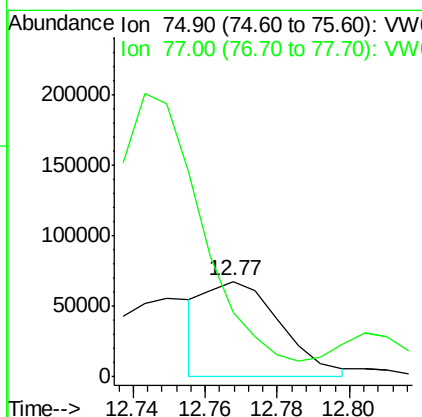
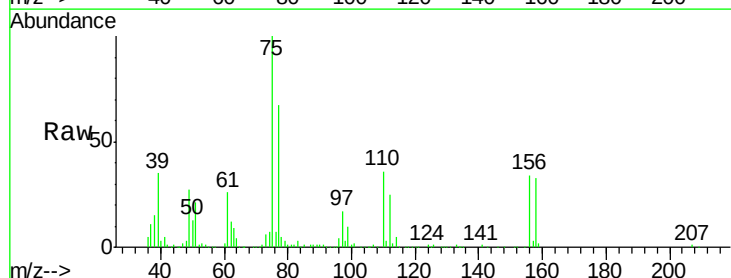
RT: 12.77 min Scan# 1782

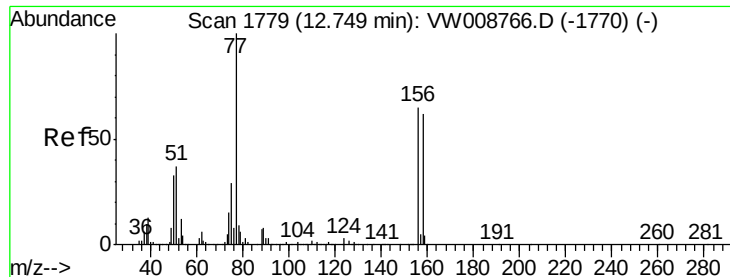
Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Tgt Ion:	75	Resp:	98180
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.522 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 205219

Ion Ratio Lower Upper

156 100

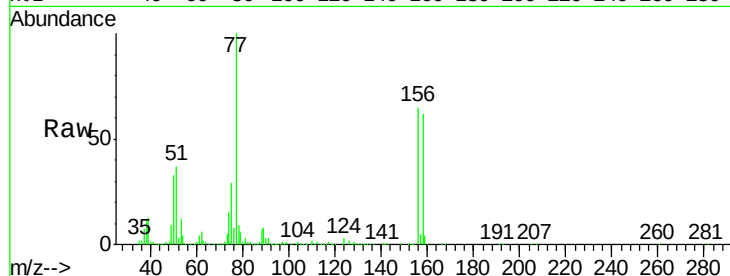
77 178.3 89.1 267.4

158 98.4 49.2 147.6

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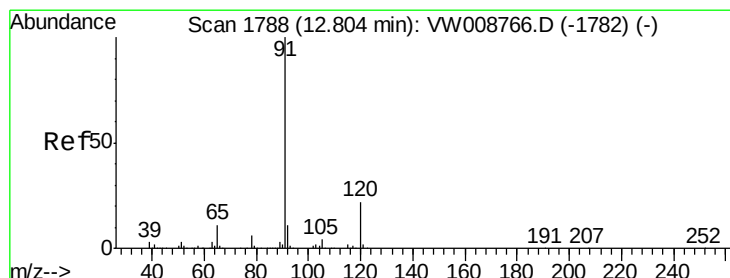
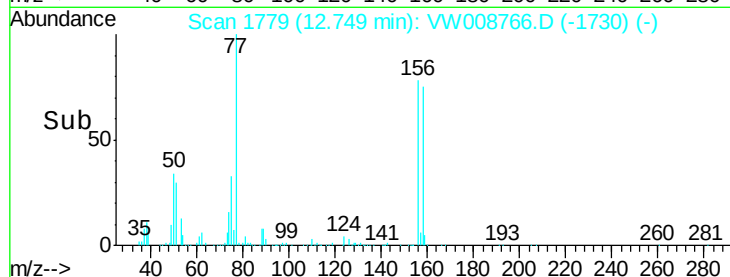
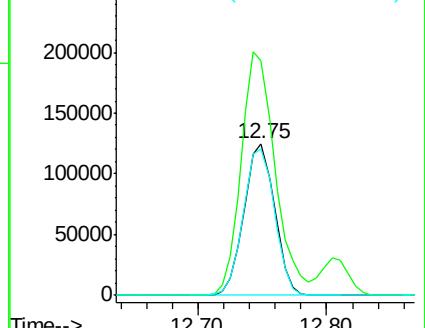
2/22/2019 12:25:16 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.669 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008766.D

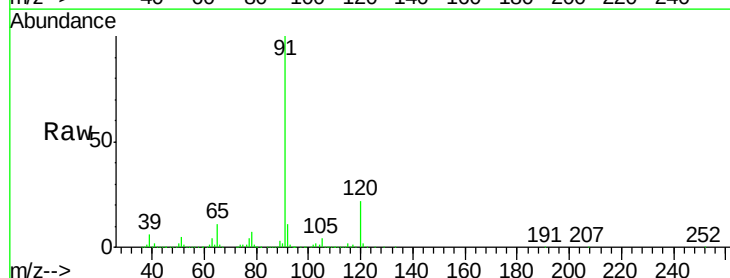
Acq: 21 Feb 2019 12:13

Tgt Ion: 91 Resp: 1086893

Ion Ratio Lower Upper

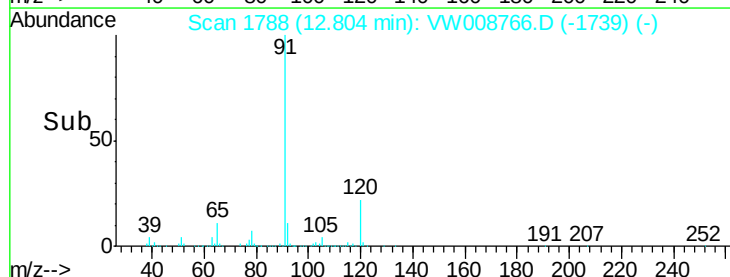
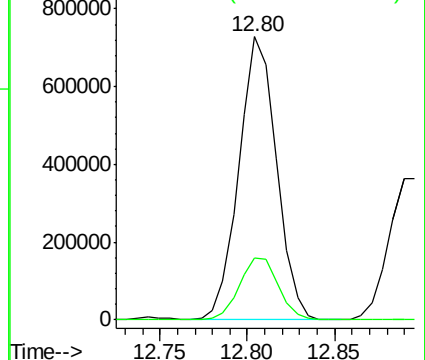
91 100

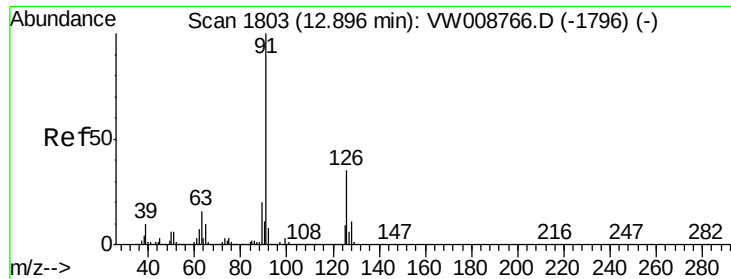
120 22.9 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





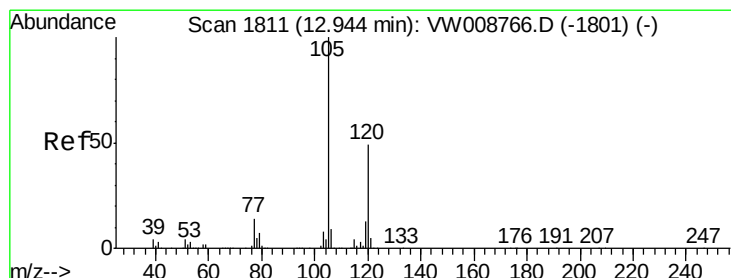
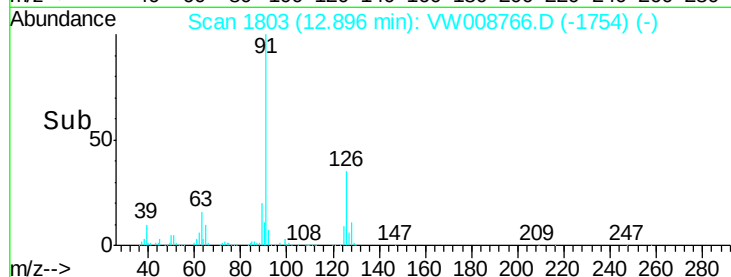
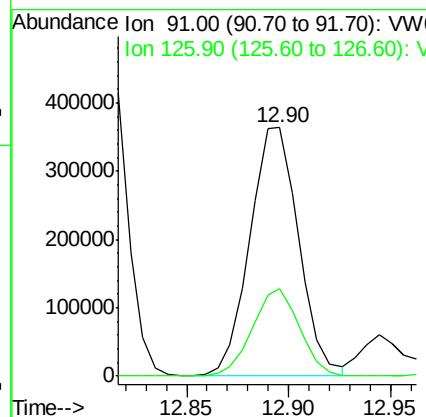
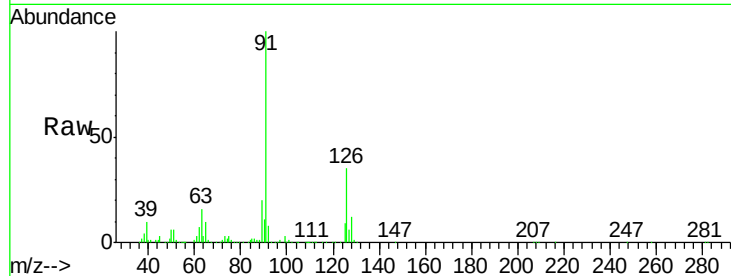
#79
 2-Chlorotoluene
 Concen: 49.799 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 606502
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.0 51.0

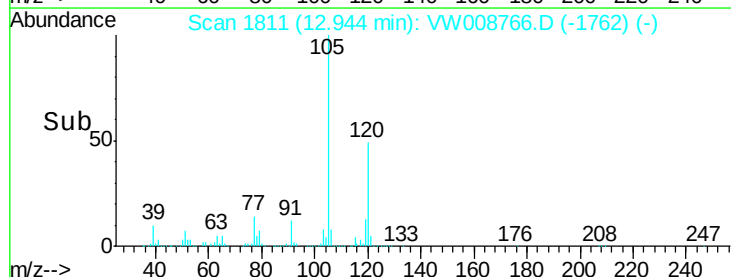
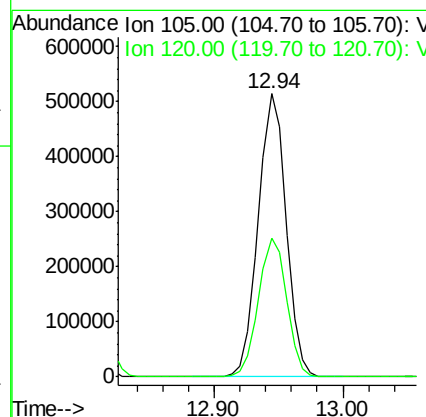
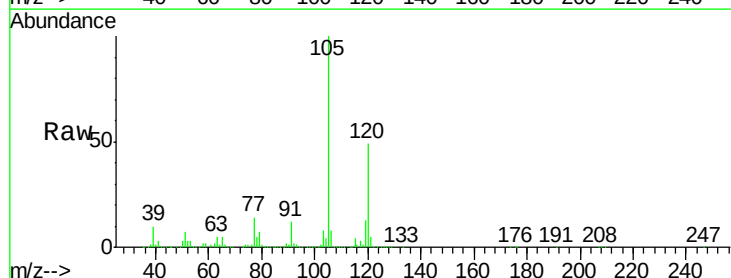
Manual Integrations
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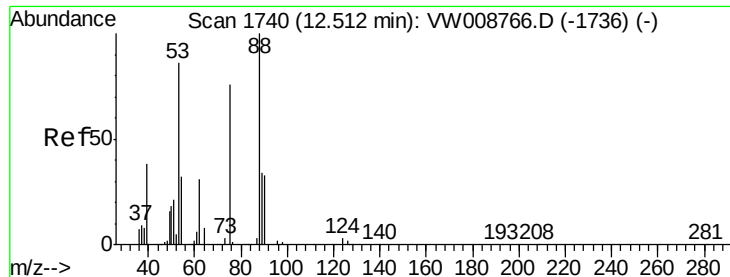
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.239 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Tgt Ion: 105 Resp: 765601
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.8 74.4





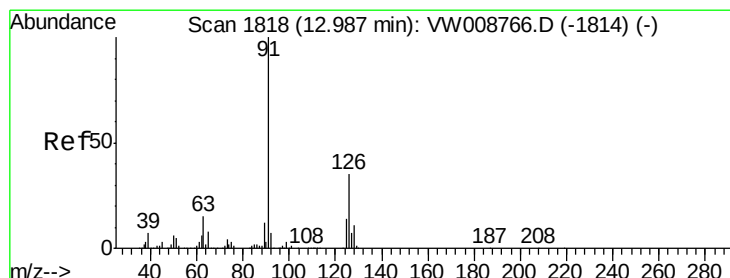
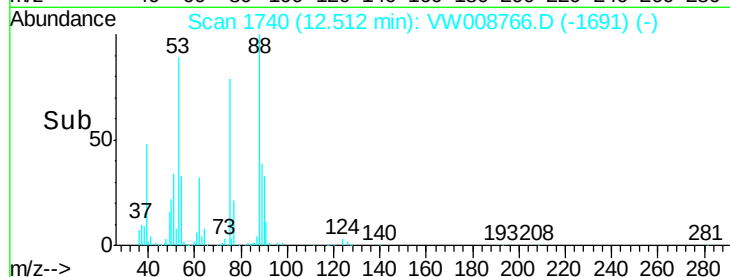
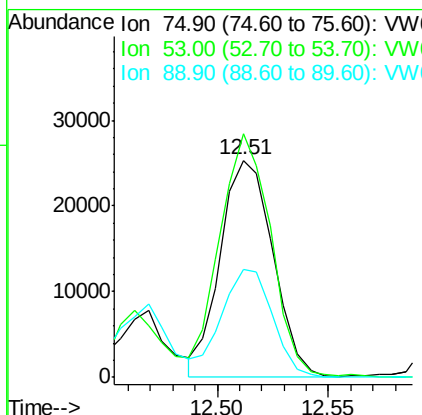
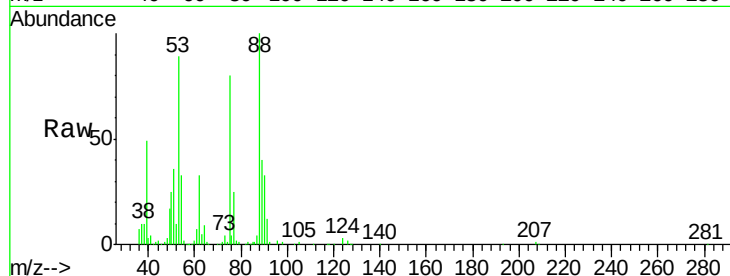
#81
trans-1,4-Dichloro-2-butene
Concen: 47.495 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.2	88.2	132.2
89	49.4	39.5	59.3

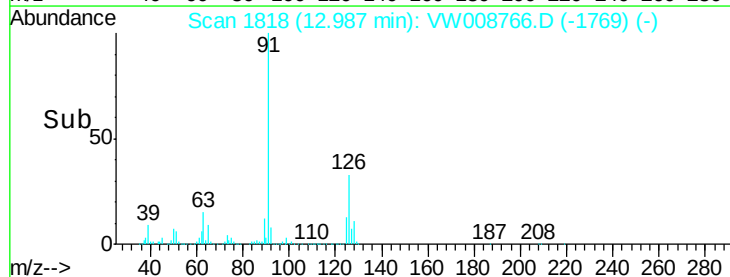
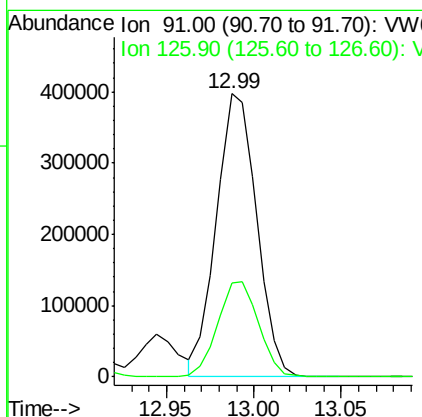
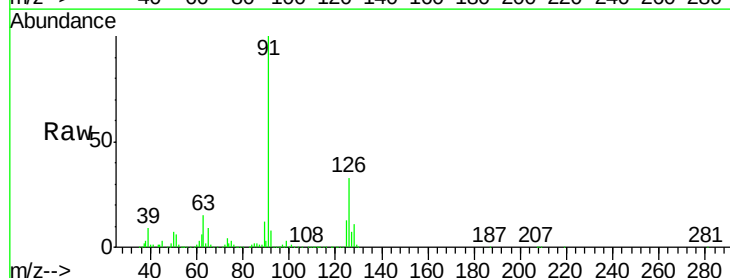
Manual Integrations
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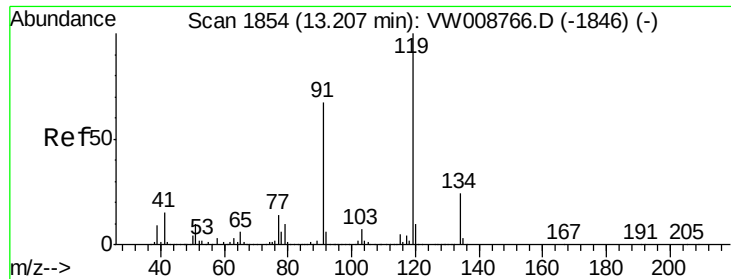
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.541 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6





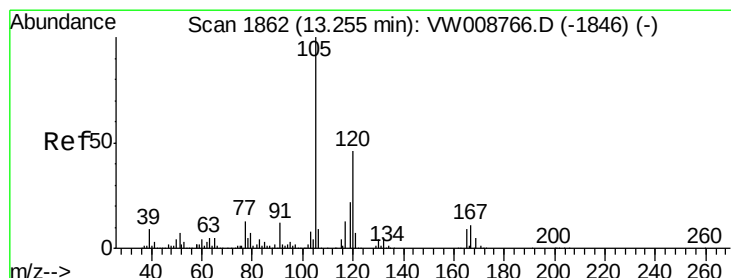
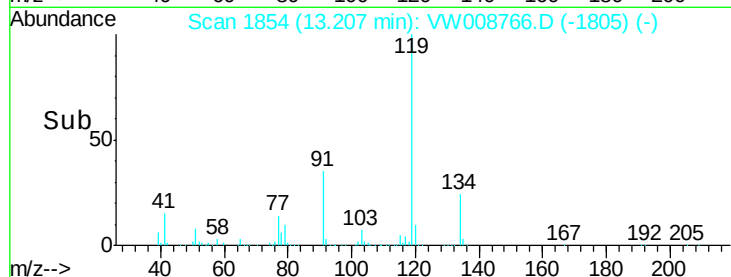
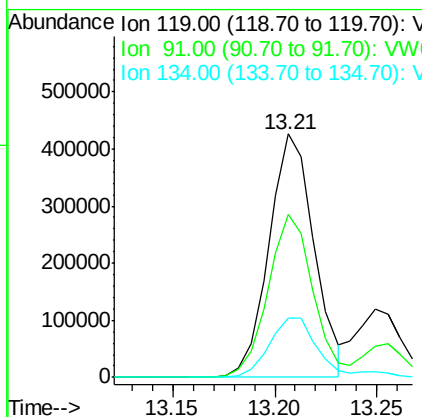
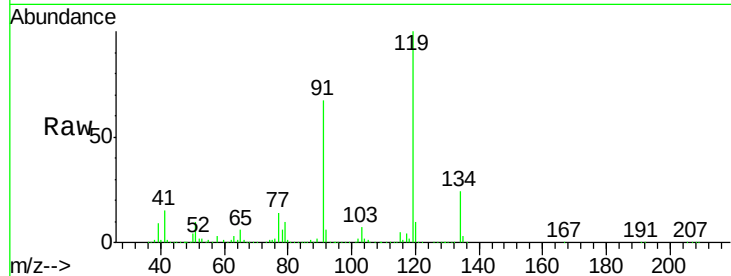
#83
 tert-Butylbenzene
 Concen: 49.896 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	27.4	13.7	41.1

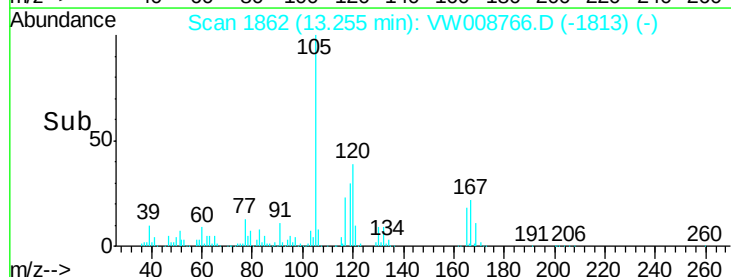
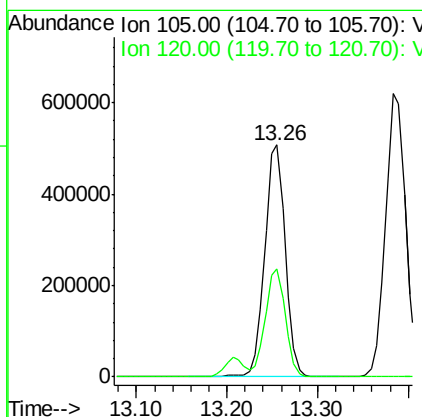
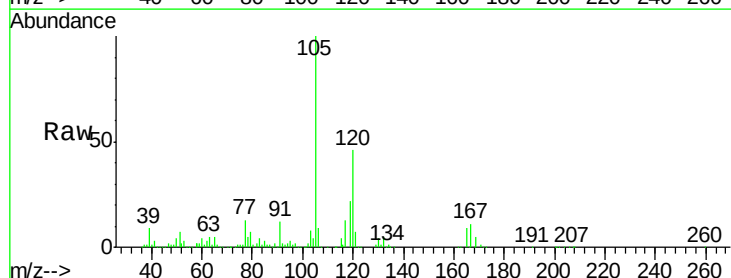
Manual Integrations
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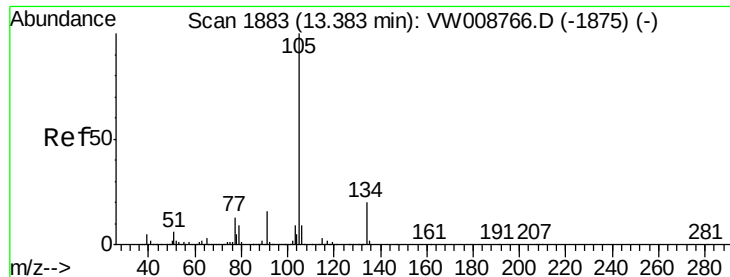
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.168 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 50.236 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 951817

Ion Ratio Lower Upper

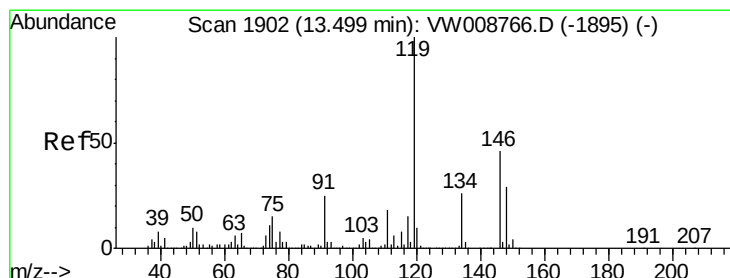
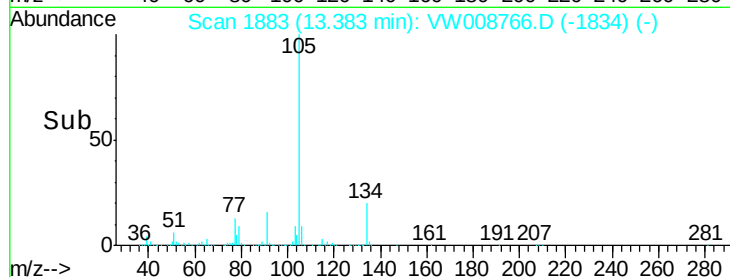
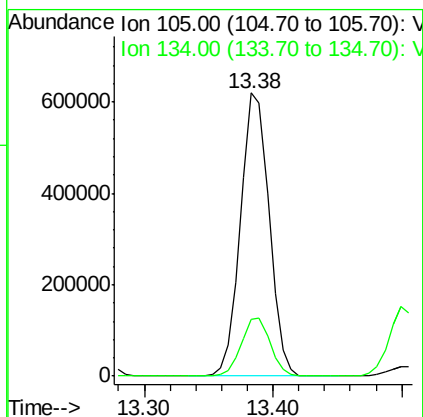
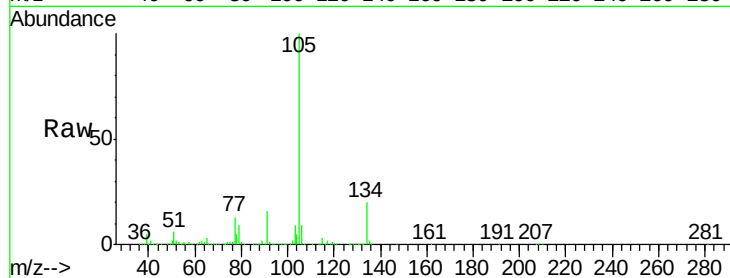
105 100

134 20.7 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.223 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008766.D

Acq: 21 Feb 2019 12:13

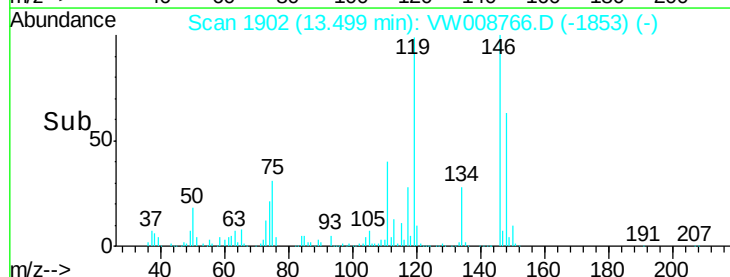
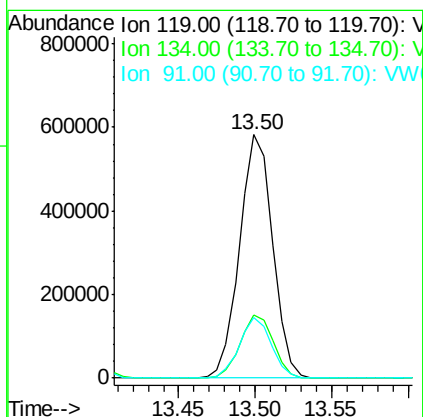
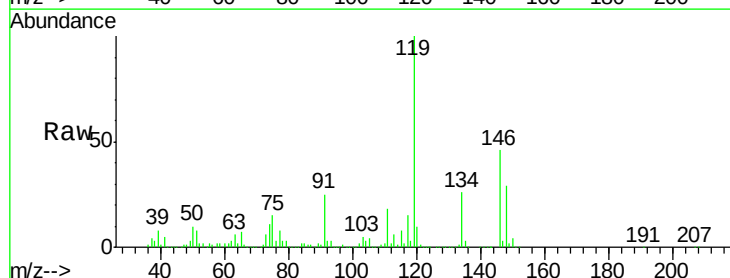
Tgt Ion:119 Resp: 872351

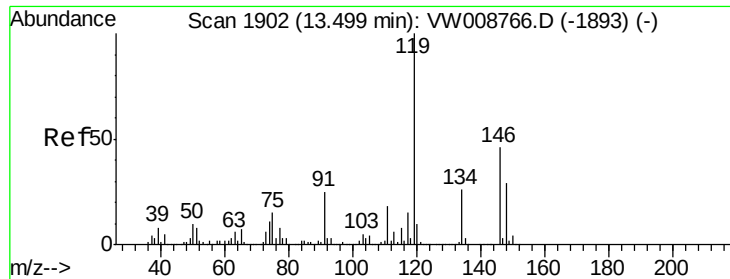
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 24.2 12.1 36.3





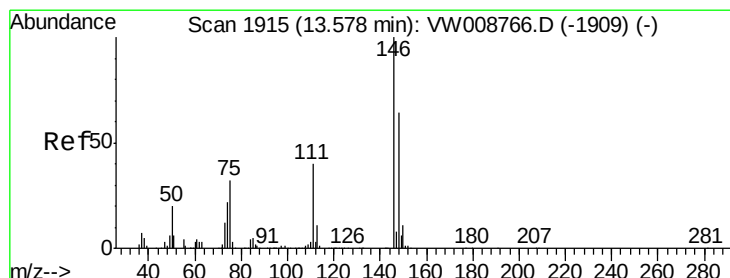
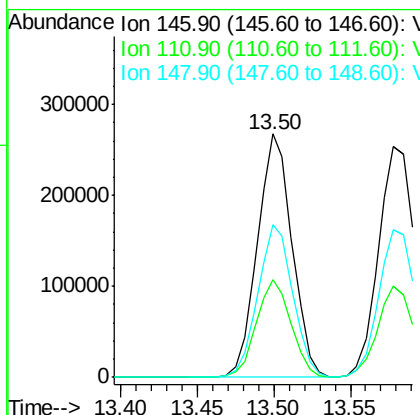
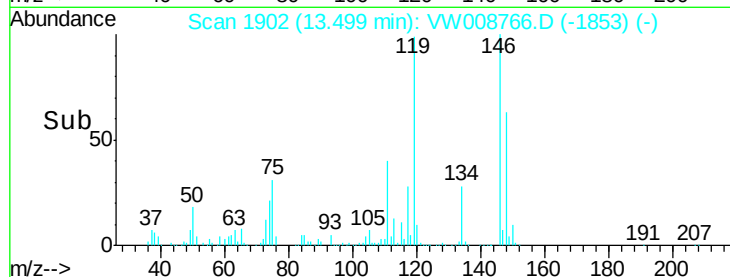
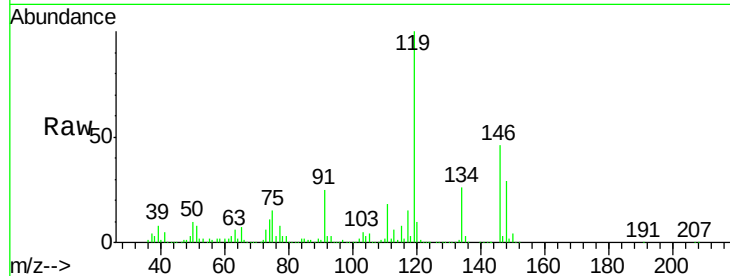
#87
 1,3-Dichlorobenzene
 Concen: 49.100 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	422148		
111	39.8	19.9	59.7	
148	63.2	31.6	94.8	

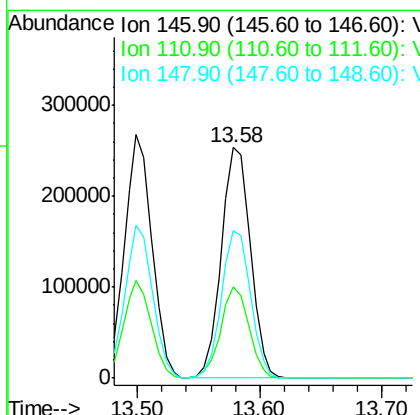
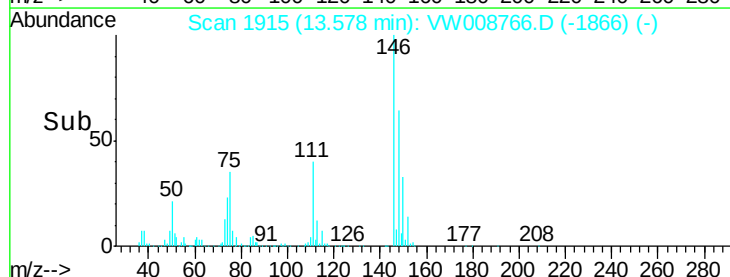
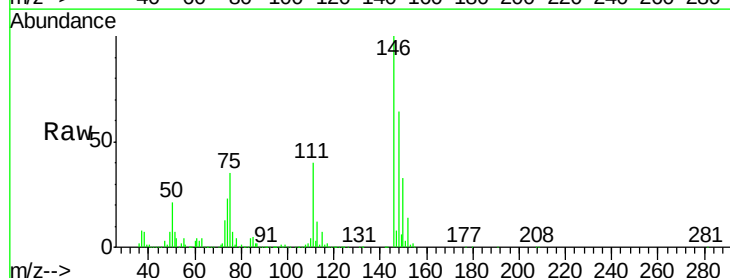
Manual Integrations
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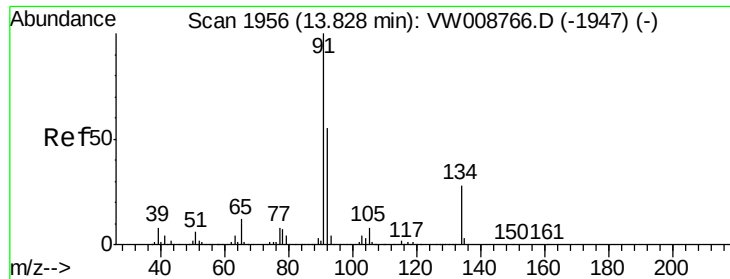
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#88
 1,4-Dichlorobenzene
 Concen: 49.324 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	417963		
111	38.6	19.3	57.9	
148	63.9	31.9	95.9	





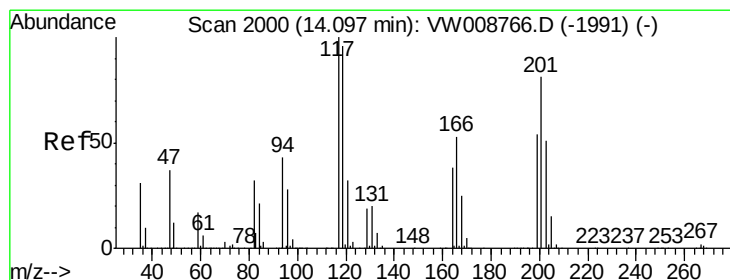
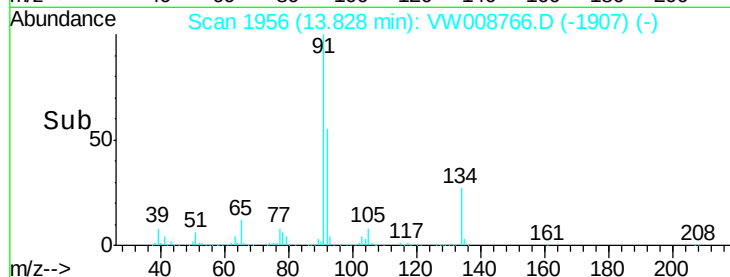
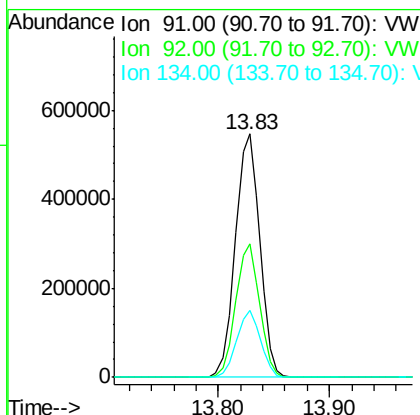
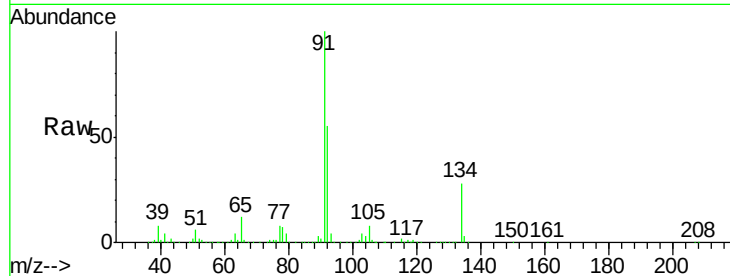
#89
n-Butylbenzene
Concen: 50.877 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	827890		
92	53.6	26.8	80.4	
134	26.9	13.5	40.4	

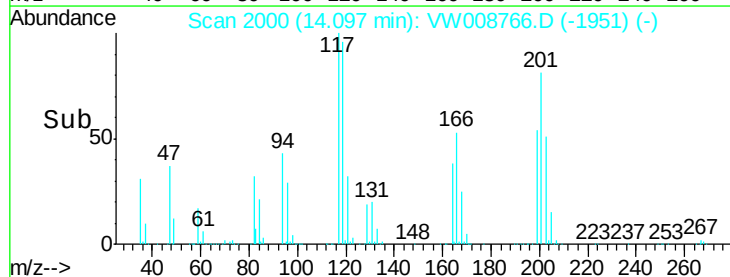
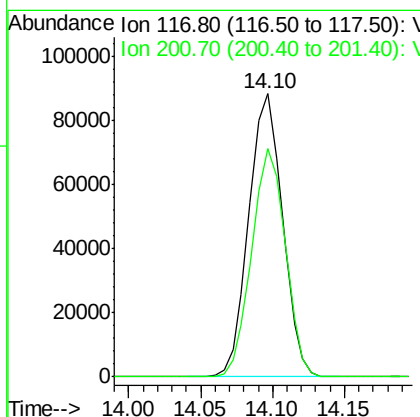
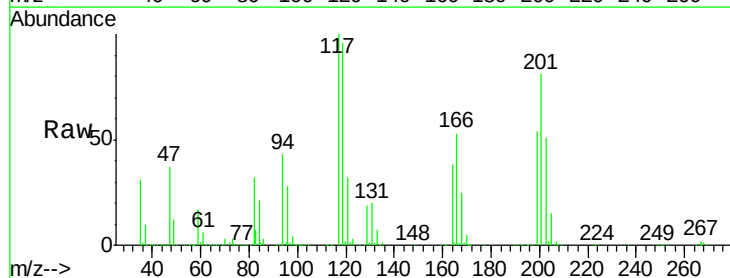
Manual Integrations
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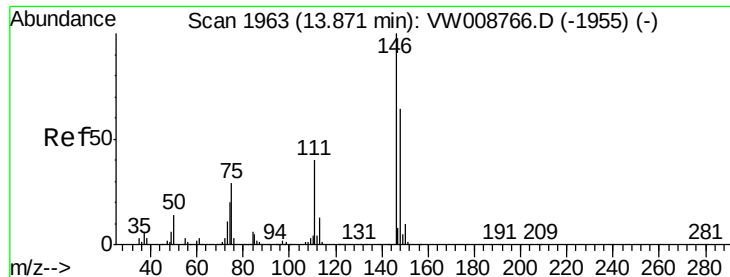
MMDadoda
2/22/2019 12:25:16 PM



#90
Hexachloroethane
Concen: 50.449 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	143450		
201	80.5	40.3	120.8	





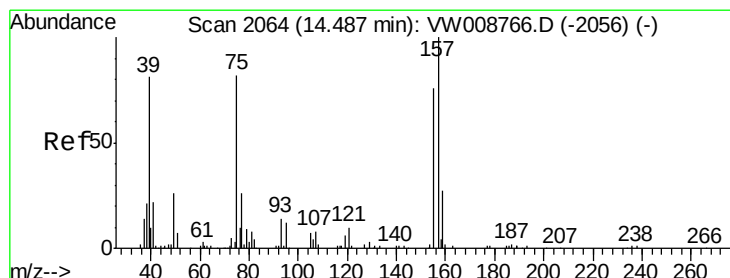
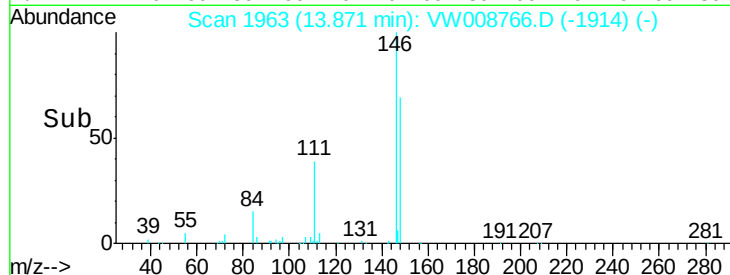
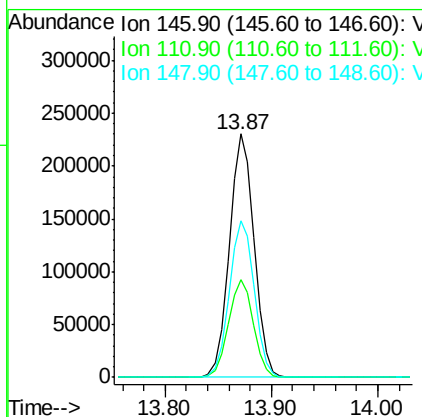
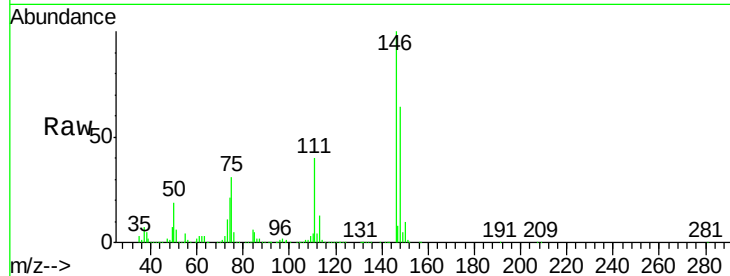
#91
 1,2-Dichlorobenzene
 Concen: 48.702 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	65.0	32.5	97.5

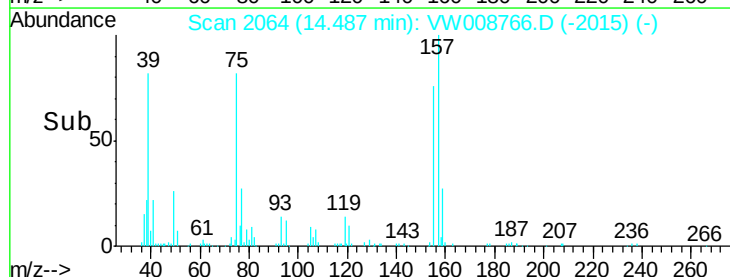
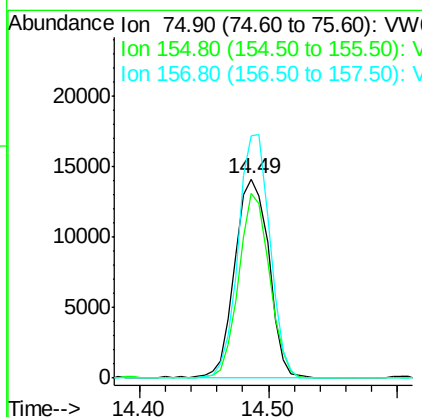
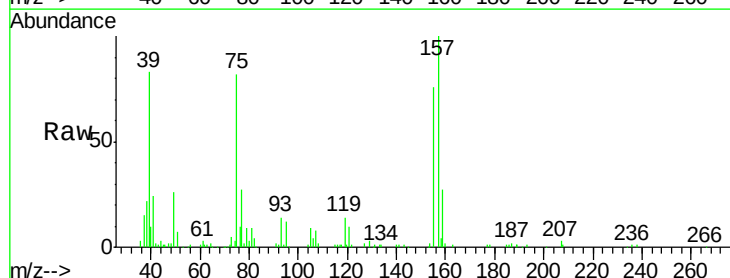
Manual Integrations
 APPROVED

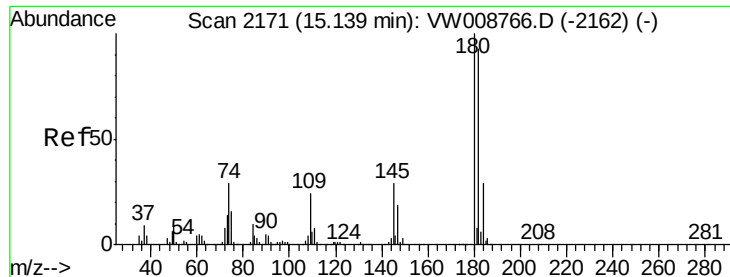
MMDadoda
 2/22/2019 12:25:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.826 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	41.8	125.4
157	113.3	56.6	169.9





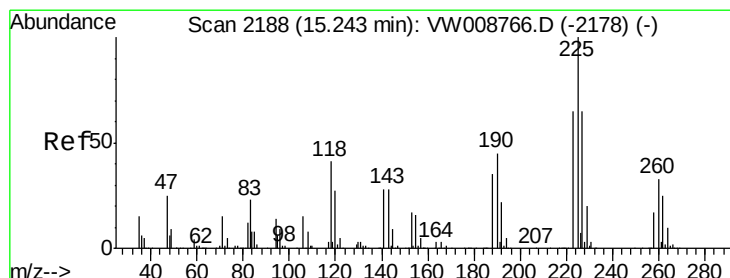
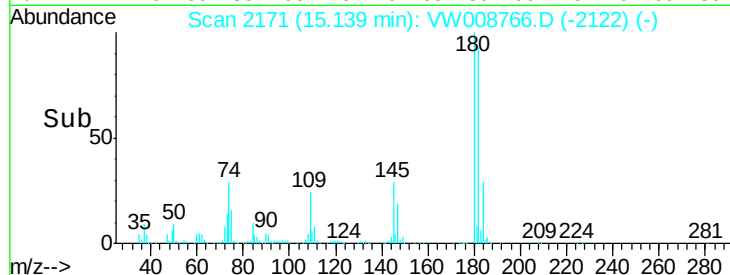
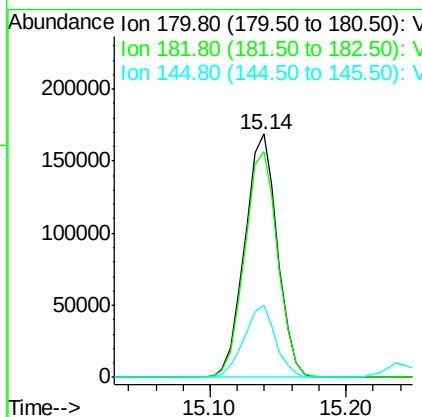
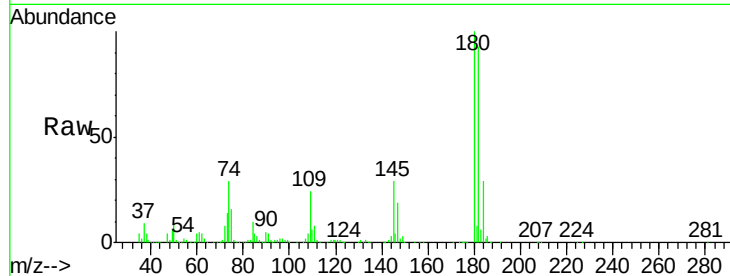
#93
 1,2,4-Trichlorobenzene
 Concen: 51.152 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	282347		
182	94.4	47.2	141.6	
145	28.7	14.4	43.0	

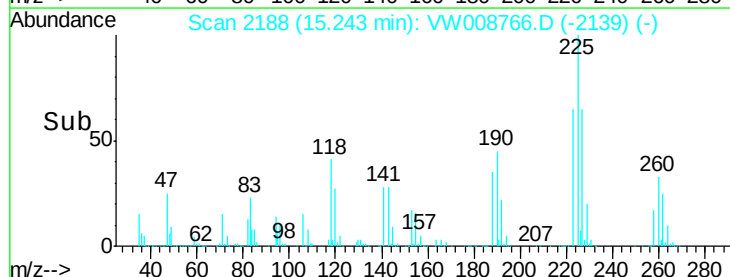
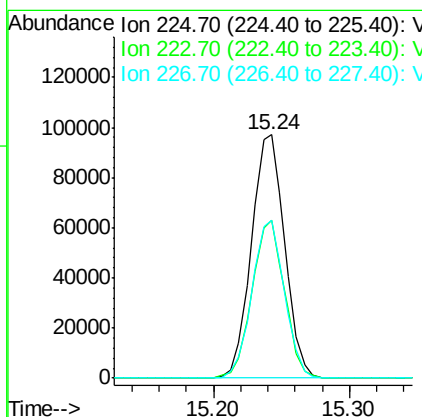
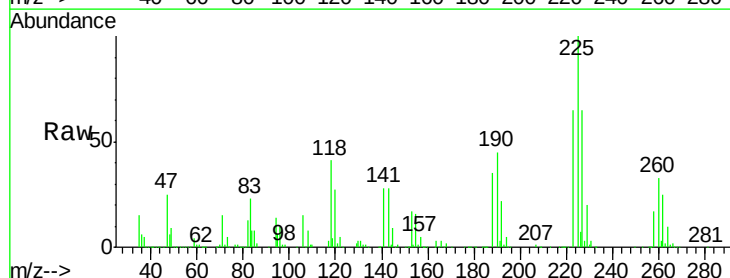
Manual Integrations
 APPROVED

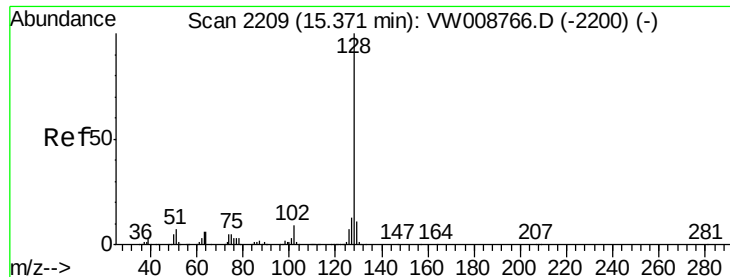
MMDadoda
 2/22/2019 12:25:16 PM



#94
 Hexachlorobutadiene
 Concen: 51.139 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008766.D
 Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166270		
223	63.0	31.5	94.5	
227	63.2	31.6	94.8	





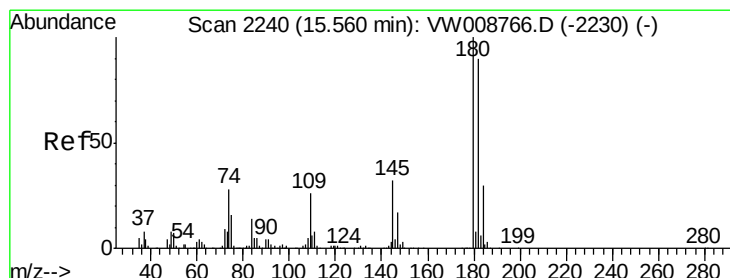
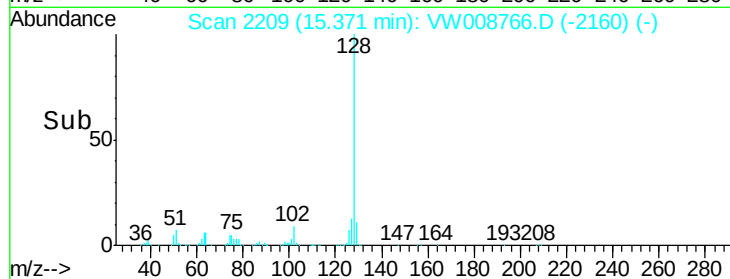
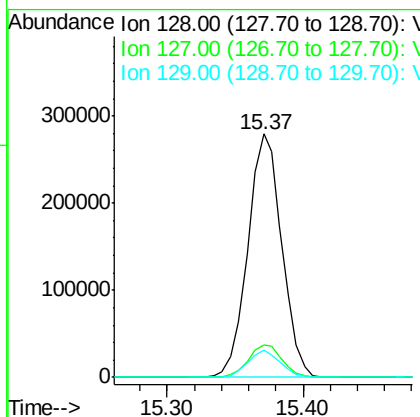
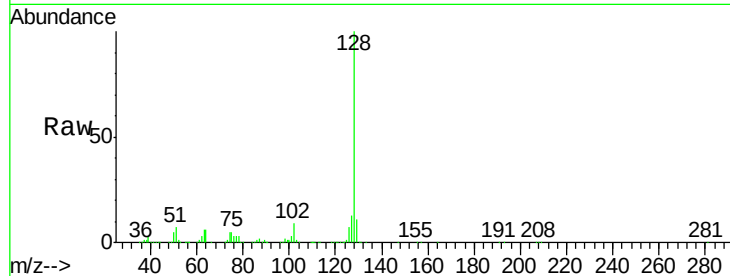
#95
Naphthalene
Concen: 51.832 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	487115		
127	13.5		10.8	16.2
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/22/2019 12:25:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.505 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 21 Feb 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	245810		
182	93.9		46.9	140.8
145	31.7		15.9	47.6

