

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021819\
 Data File : VW008721.D
 Acq On : 18 Feb 2019 11:41
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 11:12:32 AM

Quant Time: Feb 19 03:35:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	372268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	542502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	481962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	252613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	186141	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	7.88	113	175001	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	10.32	98	676922	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.62	95	245909	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	120888	50.701	ug/l	97
3) Chloromethane	2.21	50	144709	42.100	ug/l	98
4) Vinyl Chloride	2.37	62	227367	50.358	ug/l	100
5) Bromomethane	2.78	94	168622	47.197	ug/l	98
6) Chloroethane	2.92	64	164123	48.852	ug/l	97
7) Trichlorofluoromethane	3.25	101	158210	44.990	ug/l	100
8) Diethyl Ether	3.67	74	96230	45.856	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	197424	53.125	ug/l	97
10) Methyl Iodide	4.26	142	293418	50.587	ug/l	99
11) Tert butyl alcohol	5.17	59	62577	202.087	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	185118	50.936	ug/l	96
13) Acrolein	3.88	56	76436	239.585	ug/l	98
14) Allyl chloride	4.66	41	308442	51.082	ug/l	99
15) Acrylonitrile	5.36	53	192072	217.453	ug/l	98
16) Acetone	4.12	43	195554	222.045	ug/l	98
17) Carbon Disulfide	4.37	76	566768	51.677	ug/l	100
18) Methyl Acetate	4.66	43	85031	42.252	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	291565	45.700	ug/l	100
20) Methylene Chloride	4.90	84	189639	48.682	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	201977	50.747	ug/l	96
22) Diisopropyl ether	6.31	45	583448	48.009	ug/l	98
23) Vinyl Acetate	6.25	43	1777468	225.355	ug/l	99
24) 1,1-Dichloroethane	6.21	63	353043	50.344	ug/l	98
25) 2-Butanone	7.16	43	260201	209.234	ug/l	99
26) 2,2-Dichloropropane	7.16	77	245090	55.945	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	212633	49.406	ug/l	98
28) Bromochloromethane	7.51	49	137552	46.465	ug/l	99
29) Tetrahydrofuran	7.52	42	164336	200.490	ug/l	99
30) Chloroform	7.67	83	357038	50.811	ug/l	96
31) Cyclohexane	7.95	56	336703	47.569	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	314708	53.031	ug/l	99
36) 1,1-Dichloropropene	8.07	75	291199	53.427	ug/l	99
37) Ethyl Acetate	7.25	43	116701	44.387	ug/l	99
38) Carbon Tetrachloride	8.06	117	309698	57.142	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	360726	52.326	ug/l	97
40) Benzene	8.32	78	785524	52.771	ug/l	99
41) Methacrylonitrile	7.48	41	73173	49.465	ug/l	95
42) 1,2-Dichloroethane	8.40	62	231912	50.228	ug/l	100
43) Isopropyl Acetate	8.42	43	232228	44.296	ug/l	96
44) Trichloroethene	9.09	130	221893	53.763	ug/l	94
45) 1,2-Dichloropropane	9.37	63	189630	51.475	ug/l	95
46) Dibromomethane	9.45	93	99651	49.105	ug/l	99
47) Bromodichloromethane	9.64	83	261050	53.526	ug/l	99
48) Methyl methacrylate	9.43	41	112028	46.110	ug/l	100
49) 1,4-Dioxane	9.44	88	31372	968.487	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	580890	215.698	ug/l	99
52) Toluene	10.38	92	504368	52.522	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	262929	51.318	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	301189	51.857	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	134211	48.200	ug/l	97
56) Ethyl methacrylate	10.65	69	168508	45.575	ug/l	99
57) 1,3-Dichloropropane	10.93	76	237236	48.020	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	390148	219.967	ug/l	99
59) 2-Hexanone	10.97	43	418719	221.324	ug/l	98
60) Dibromochloromethane	11.13	129	171115	51.360	ug/l	99
61) 1,2-Dibromoethane	11.24	107	132355	48.276	ug/l	99
64) Tetrachloroethene	10.86	164	187981	52.449	ug/l	99
65) Chlorobenzene	11.66	112	546801	52.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	194777	52.929	ug/l	99
67) Ethyl Benzene	11.73	91	981039	53.017	ug/l	99
68) m/p-Xylenes	11.84	106	756708	105.101	ug/l	99
69) o-Xylene	12.16	106	354143	52.037	ug/l	99
70) Styrene	12.18	104	579215	52.107	ug/l	99
71) Bromoform	12.35	173	97989	49.419	ug/l #	100
73) Isopropylbenzene	12.47	105	991360	52.685	ug/l	99
74) N-amyl acetate	12.27	43	229004	45.005	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	152193	46.488	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	110467m	44.286	ug/l	
77) Bromobenzene	12.75	156	221648	51.244	ug/l	98
78) n-propylbenzene	12.80	91	1200613	53.701	ug/l	100
79) 2-Chlorotoluene	12.90	91	665857	52.696	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	834461	53.391	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	50279	44.721	ug/l	97
82) 4-Chlorotoluene	12.99	91	695126	51.910	ug/l	99
83) tert-Butylbenzene	13.21	119	723767	53.331	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	844637	52.580	ug/l	100
85) sec-Butylbenzene	13.38	105	1055694	53.424	ug/l	100
86) p-Isopropyltoluene	13.50	119	941433	53.255	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	454302	51.811	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	449151	51.975	ug/l	100
89) n-Butylbenzene	13.83	91	900123	53.582	ug/l	100
90) Hexachloroethane	14.10	117	176120	57.025	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	393424	50.643	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	26004	45.708	ug/l	96

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QLast Update : Thu Feb 14 04:06:50 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	287259	51.945	ug/l	99
94) Hexachlorobutadiene	15.24	225	179253	55.686	ug/l	100
95) Naphthalene	15.37	128	476476	48.079	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	247634	52.184	ug/l	99

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

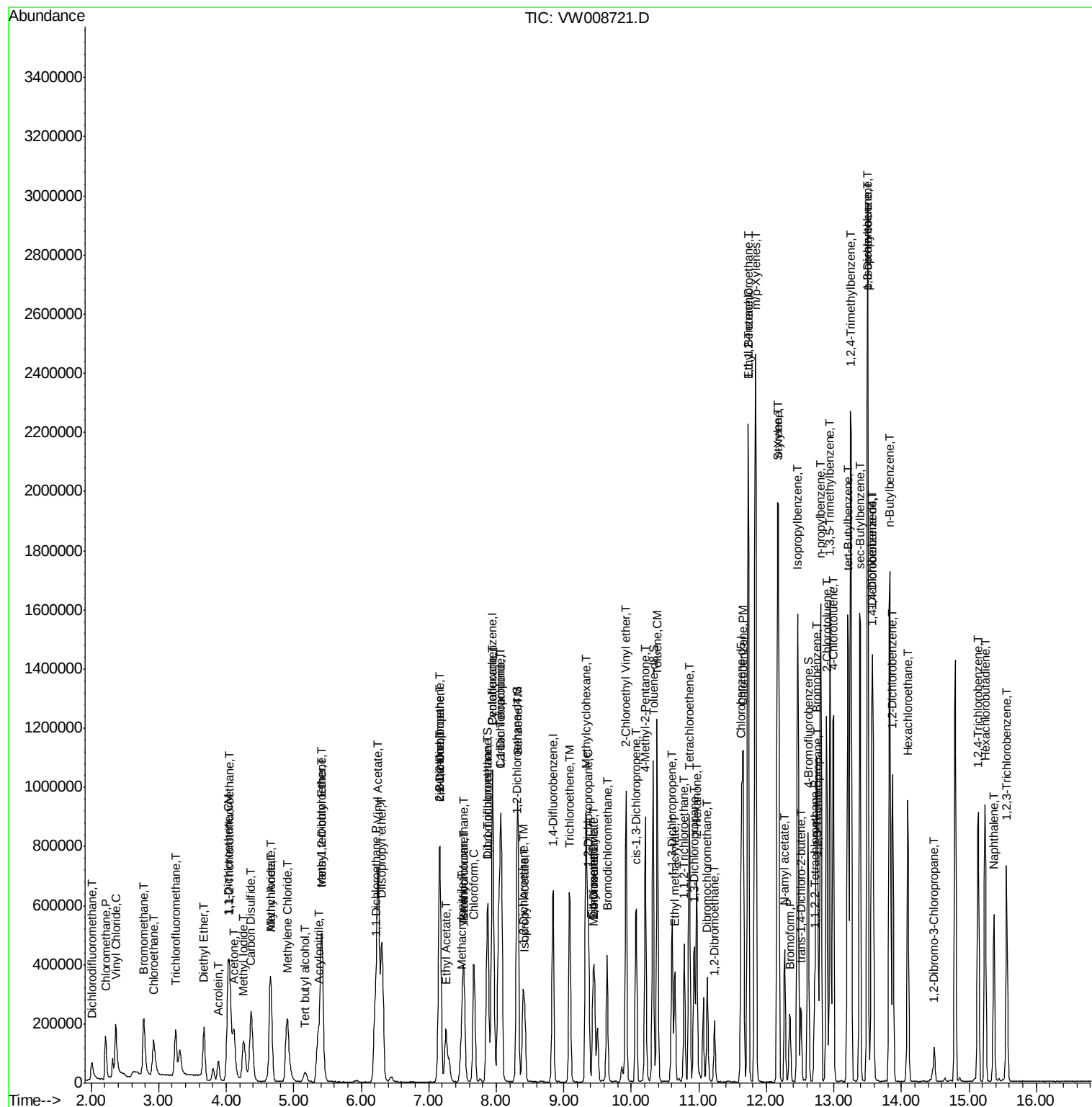
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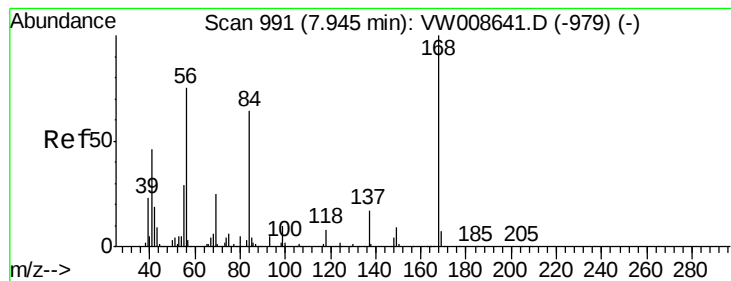
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 372268

Ion Ratio Lower Upper

168 100

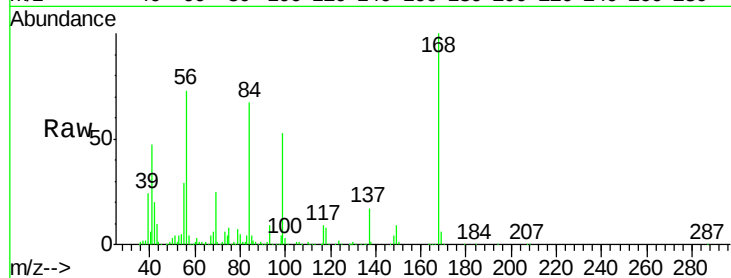
99 53.3 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

200000

150000

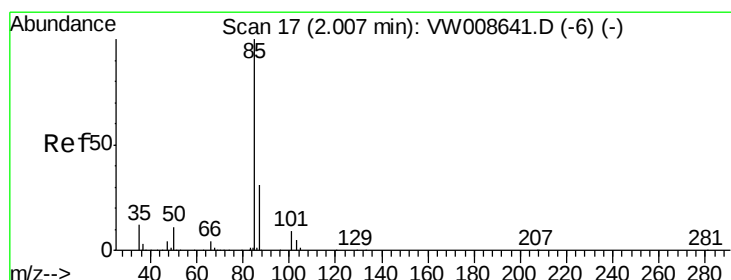
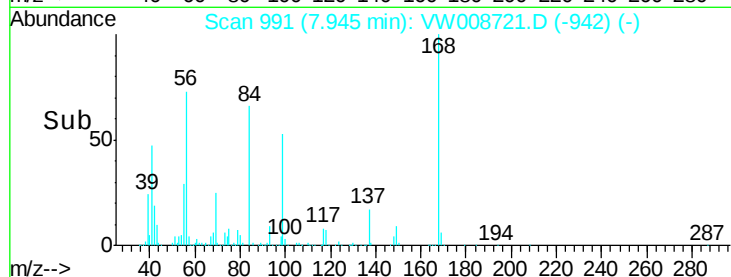
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.701 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008721.D

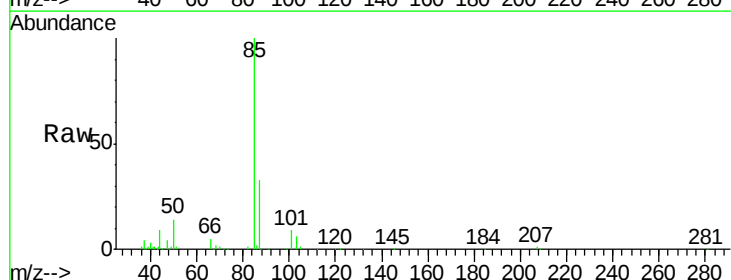
Acq: 18 Feb 2019 11:41

Tgt Ion: 85 Resp: 120888

Ion Ratio Lower Upper

85 100

87 32.6 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

30000

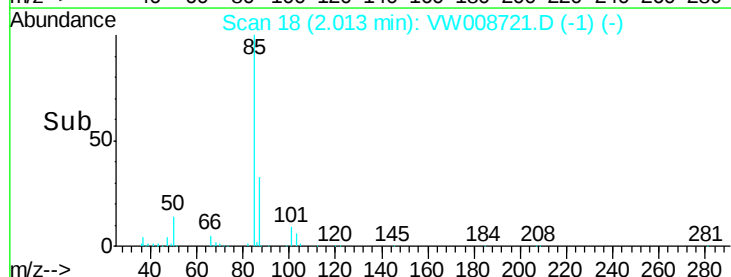
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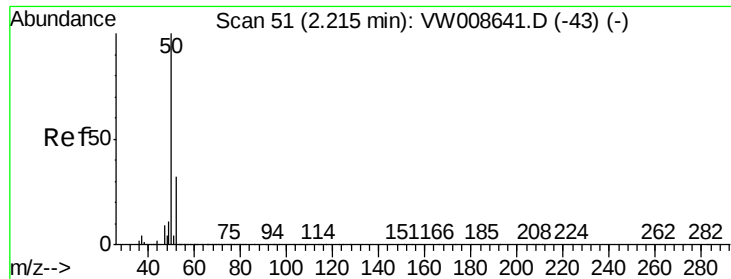
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 42.100 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 144709

Ion Ratio Lower Upper

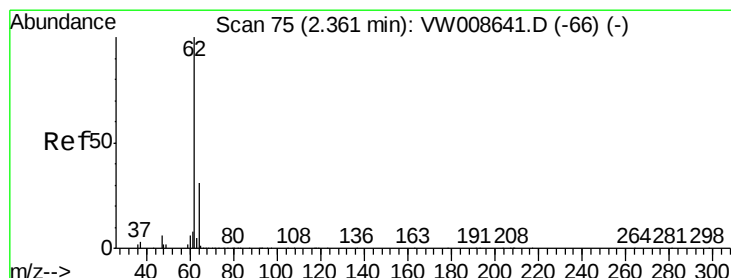
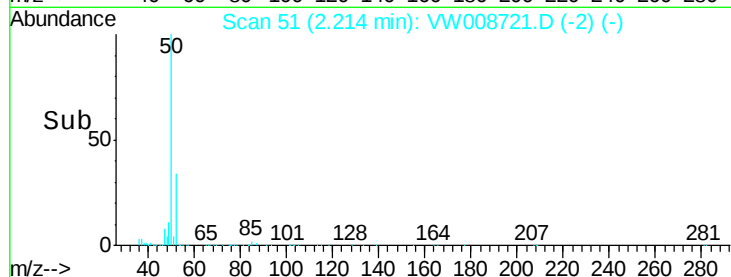
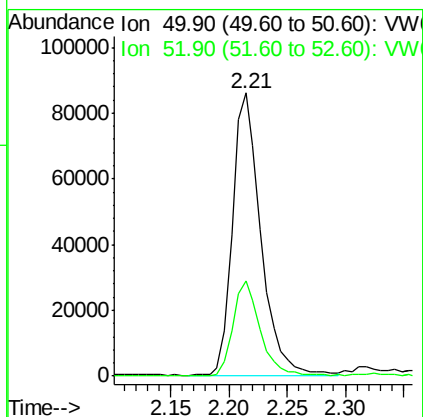
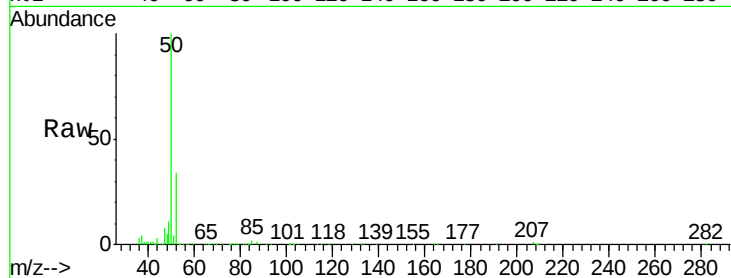
50 100

52 33.6 26.0 39.0

Manual Integrations
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2/19/2019 11:12:32 AM



#4

Vinyl Chloride

Concen: 50.358 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008721.D

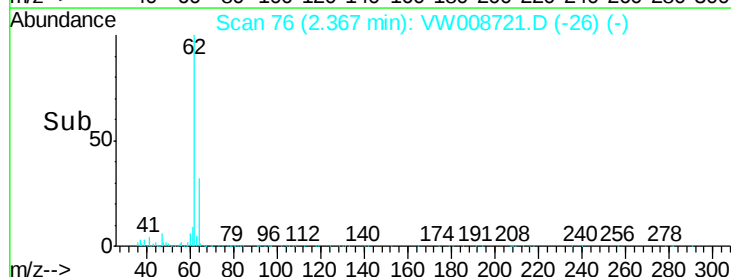
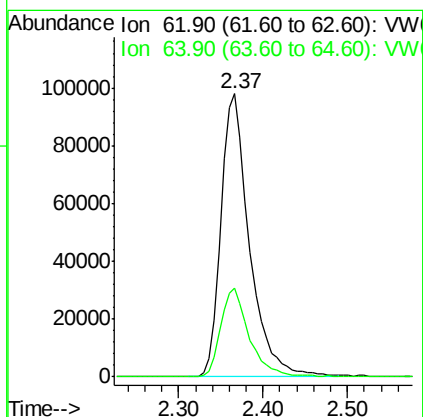
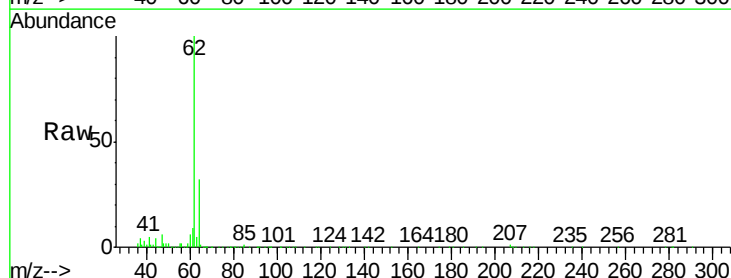
Acq: 18 Feb 2019 11:41

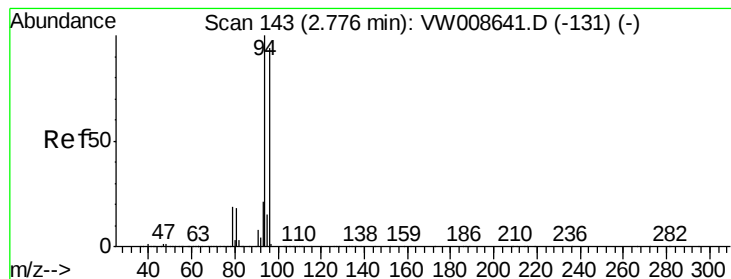
Tgt Ion: 62 Resp: 227367

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 47.197 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 168622

Ion Ratio Lower Upper

94 100

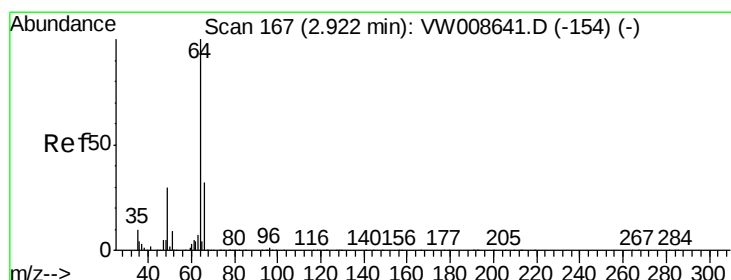
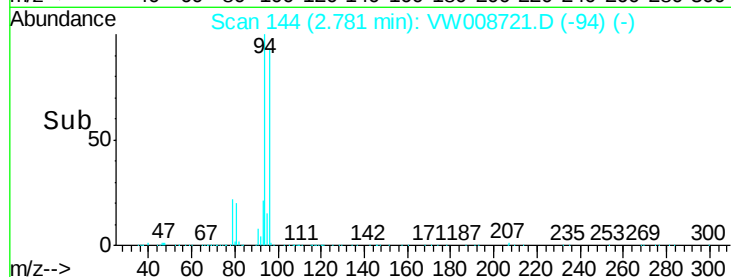
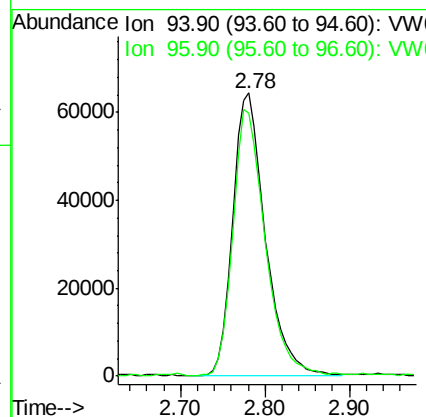
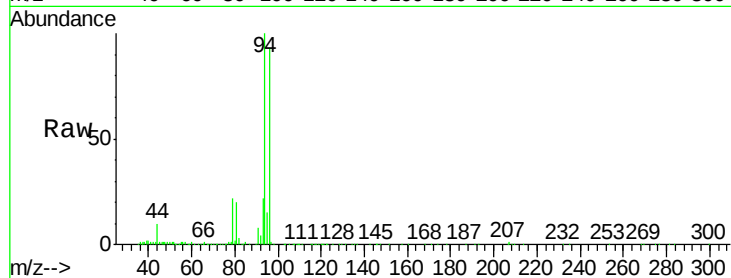
96 92.5 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 48.852 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008721.D

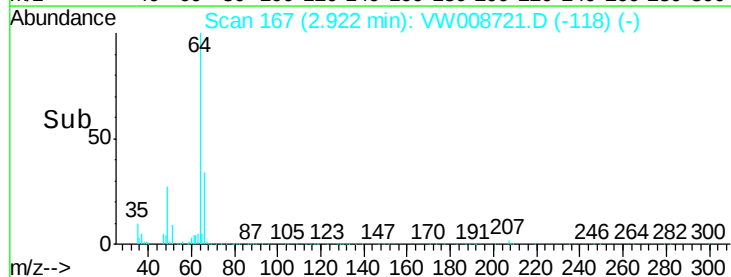
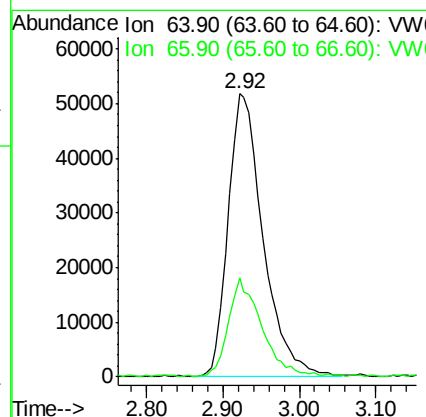
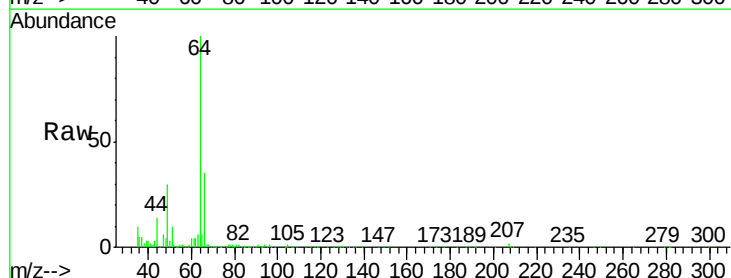
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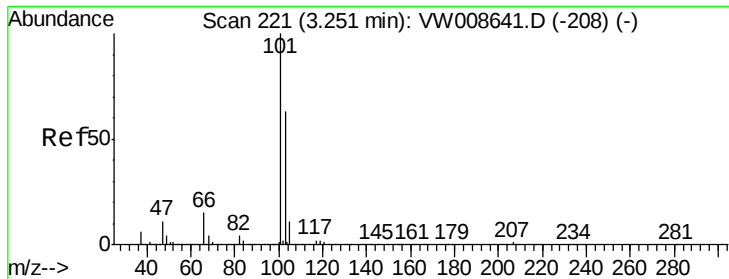
Tgt Ion: 64 Resp: 164123

Ion Ratio Lower Upper

64 100

66 34.5 26.2 39.4





#7

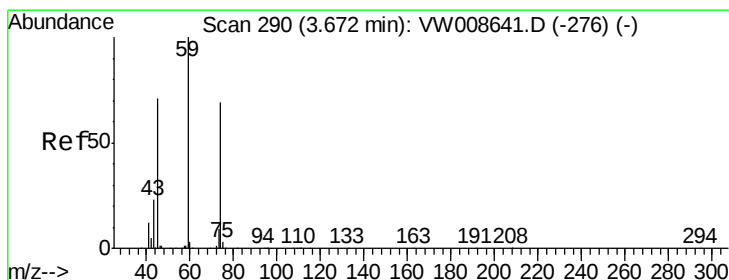
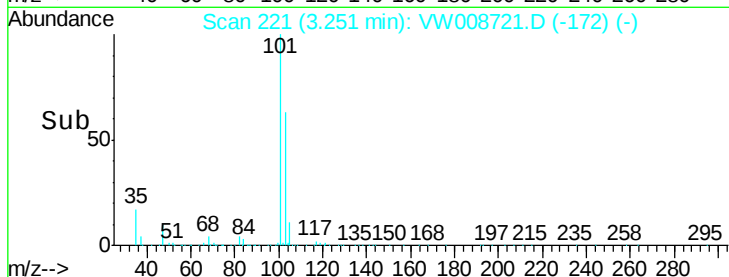
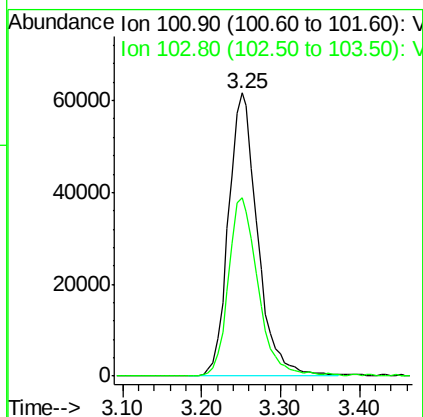
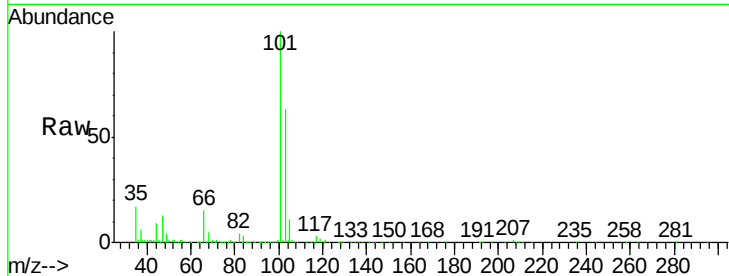
Trichlorofluoromethane
Concen: 44.990 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.5	75.7

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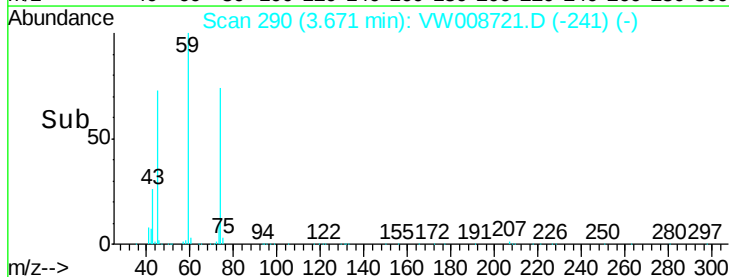
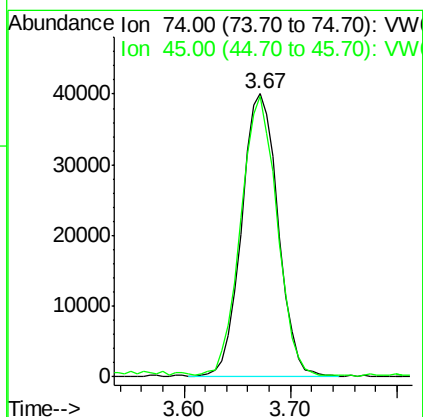
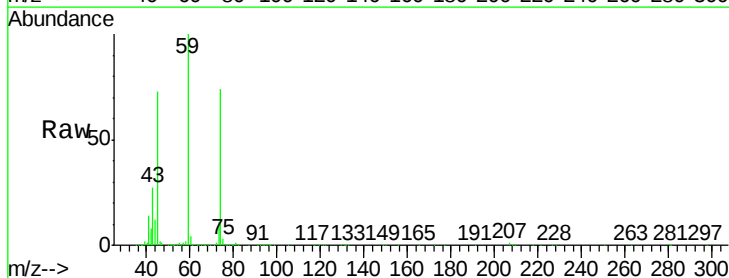
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2/19/2019 11:12:32 AM

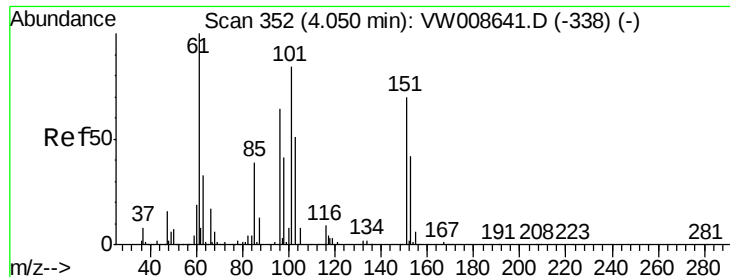


#8

Diethyl Ether
Concen: 45.856 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.125 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

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MSVOA_W

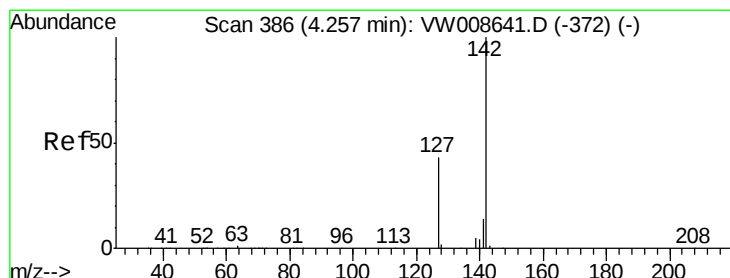
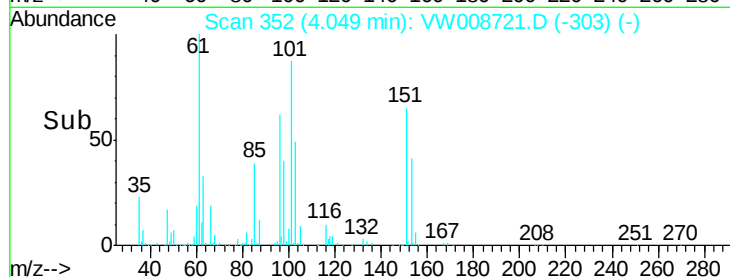
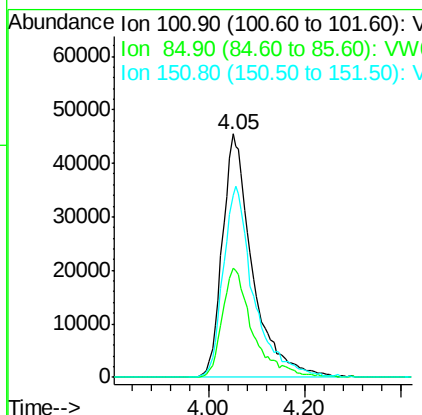
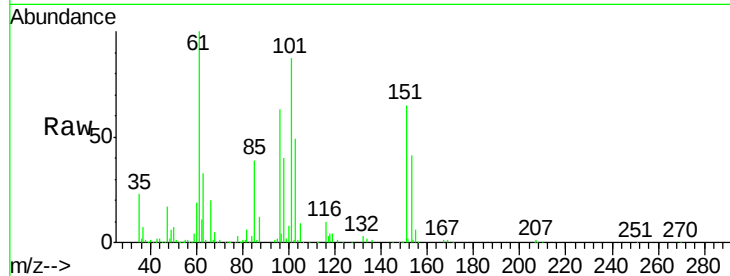
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	197424
Ion Ratio	Lower	Upper	
101	100		
85	45.5	34.3	51.5
151	79.7	65.6	98.4

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#10

Methyl Iodide

Concen: 50.587 ug/l

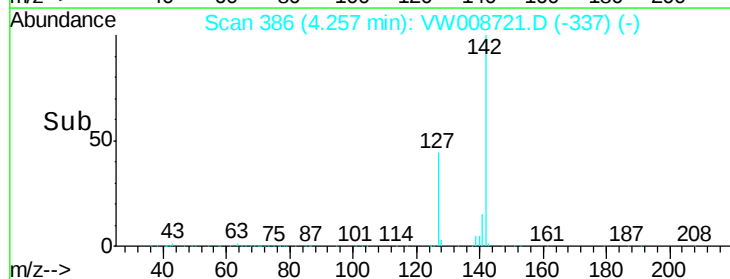
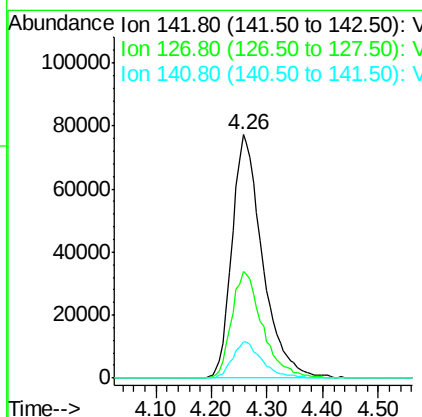
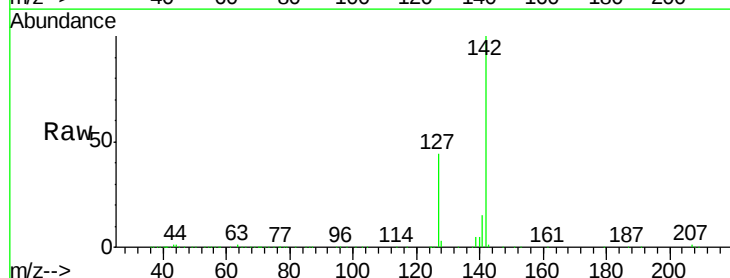
RT: 4.26 min Scan# 386

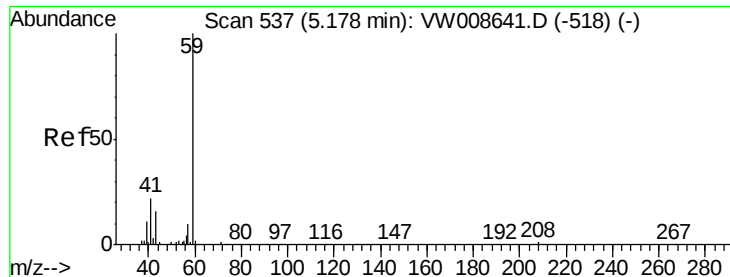
Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Tgt Ion:	142	Resp:	293418
Ion Ratio	Lower	Upper	
142	100		
127	44.5	34.8	52.2
141	14.5	11.8	17.8





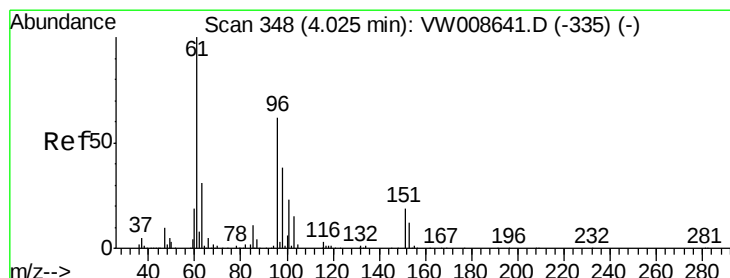
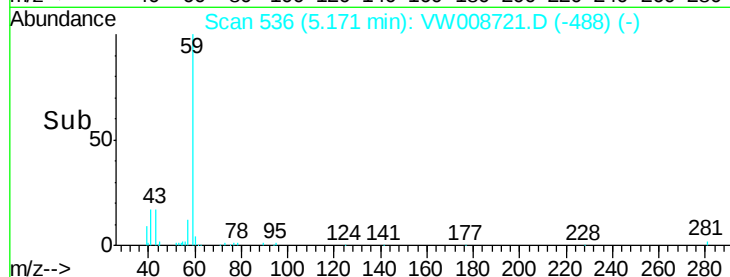
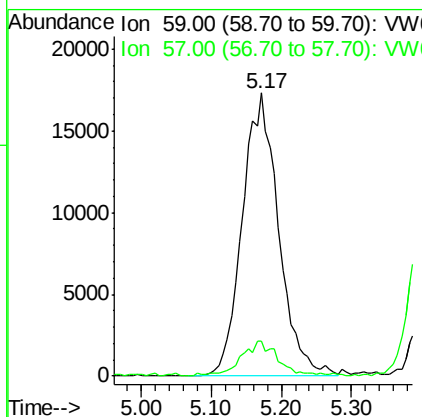
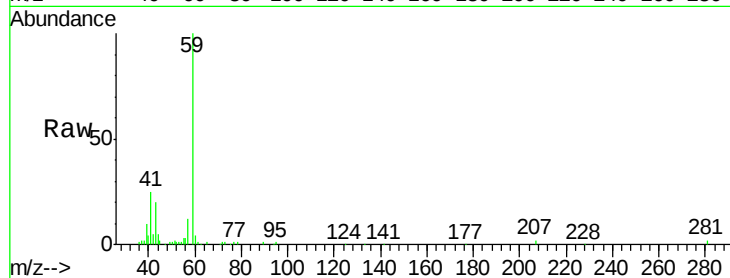
#11
Tert butyl alcohol
Concen: 202.087 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.3	12.5#

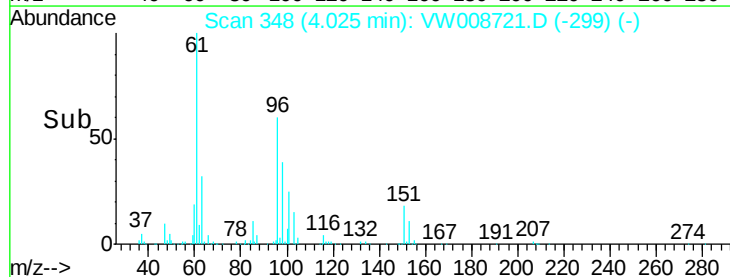
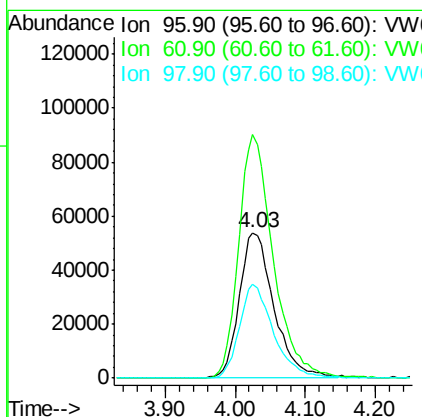
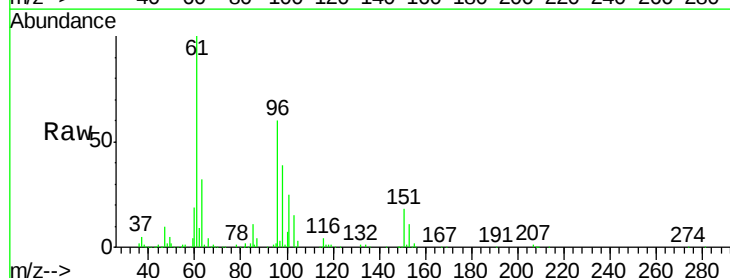
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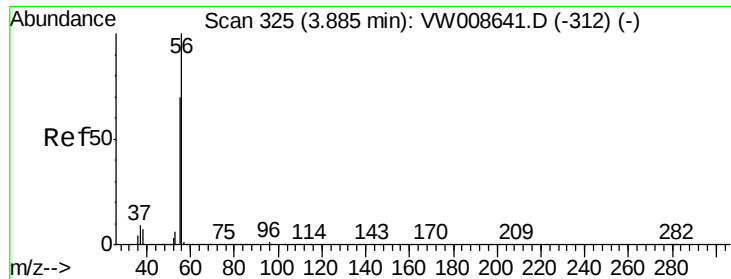
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.936 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	129.8	194.6
98	64.5	49.3	73.9





#13

Acrolein

Concen: 239.585 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 76436

Ion Ratio Lower Upper

56 100

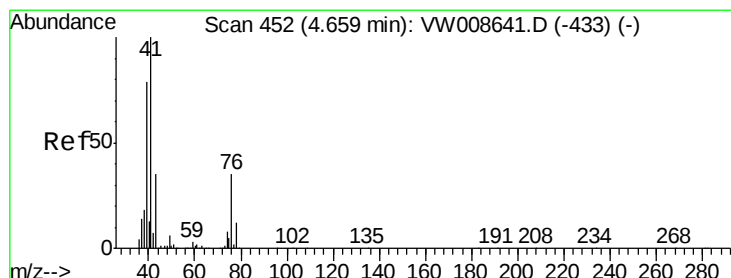
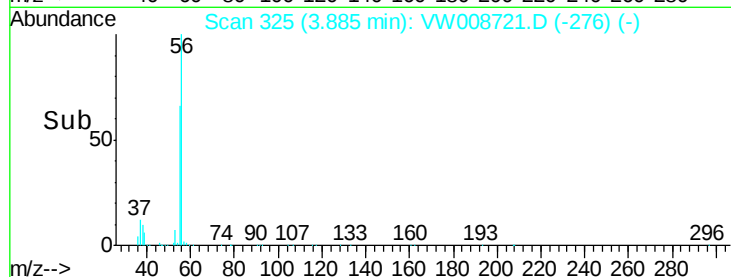
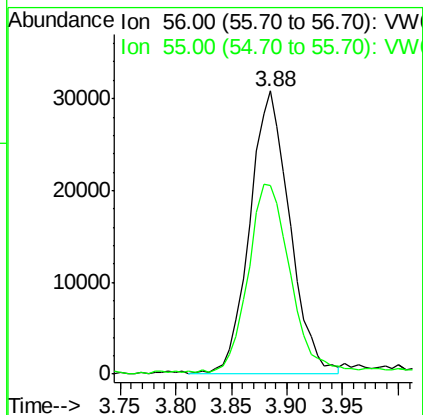
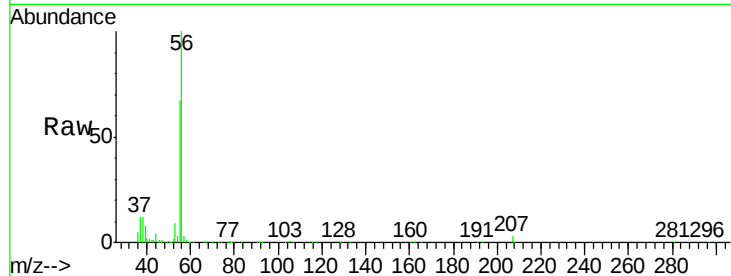
55 70.0 57.4 86.2

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#14

Allyl chloride

Concen: 51.082 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

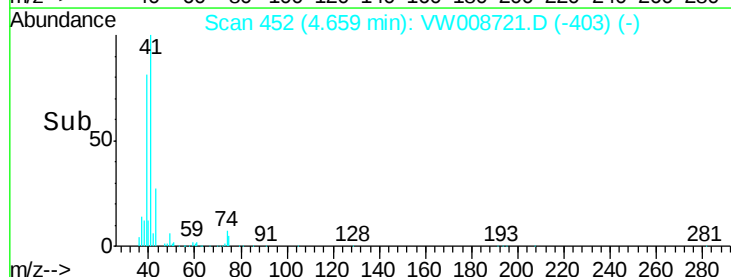
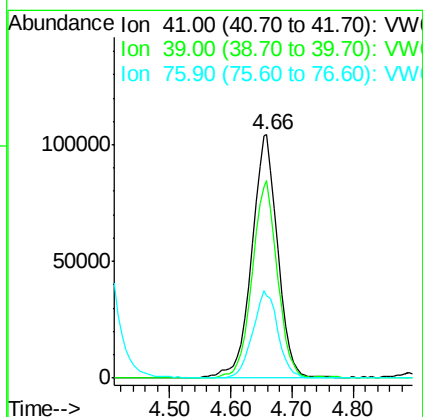
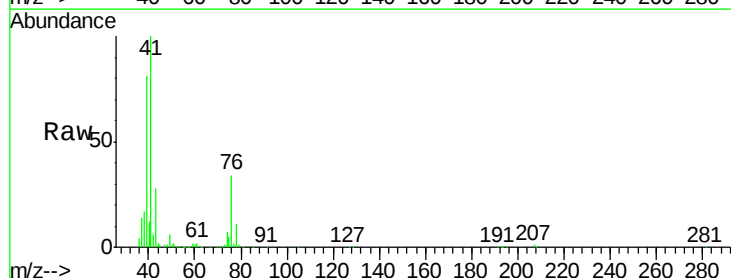
Tgt Ion: 41 Resp: 308442

Ion Ratio Lower Upper

41 100

39 78.5 61.7 92.5

76 34.4 27.7 41.5





#15

Acrylonitrile

Concen: 217.453 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

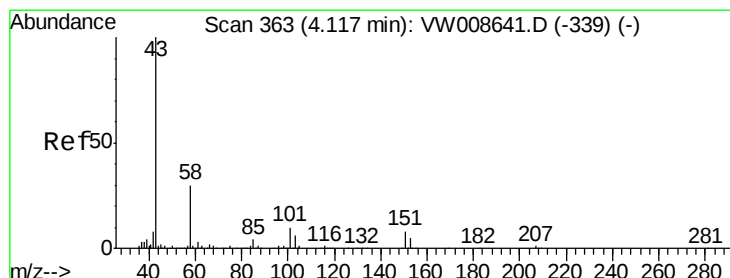
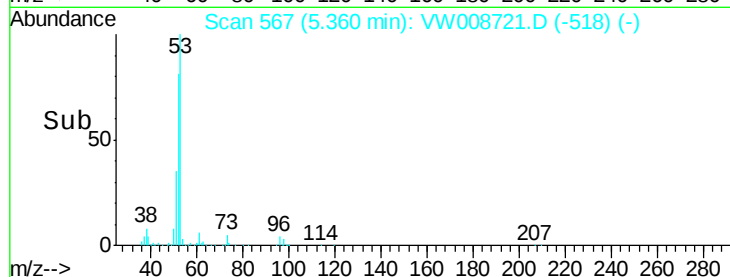
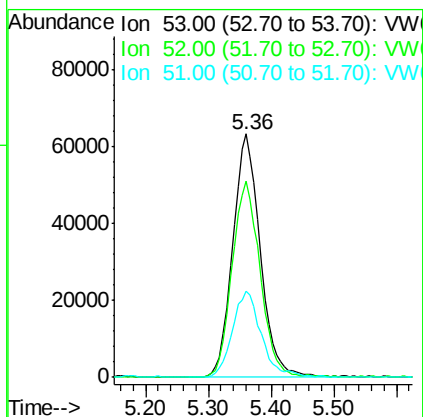
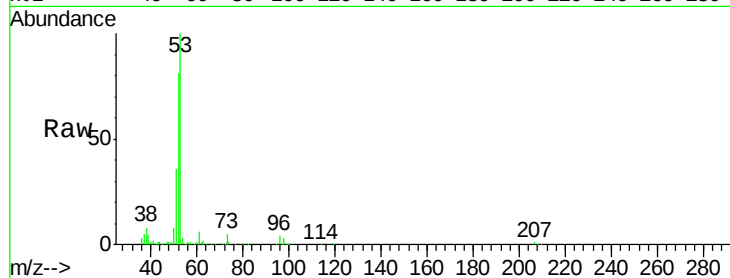
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	192072
Ion Ratio		Lower	Upper
53	100		
52	81.8	66.8	100.2
51	37.4	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 222.045 ug/l

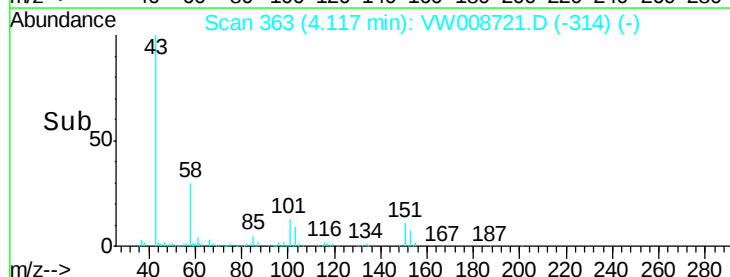
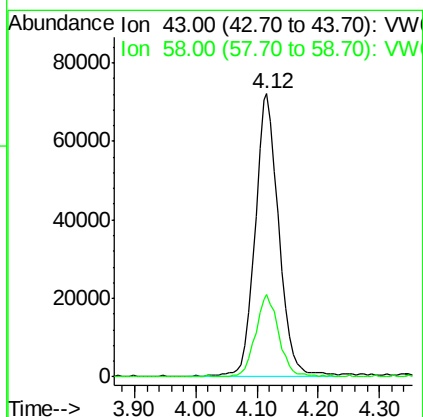
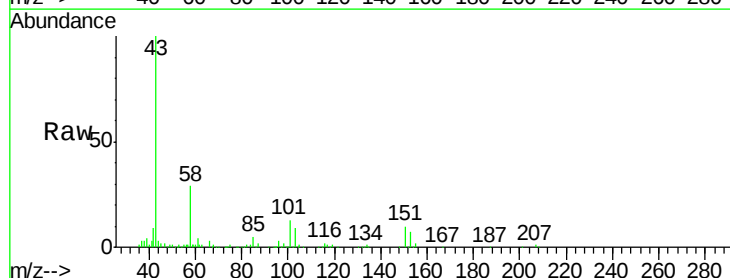
RT: 4.12 min Scan# 363

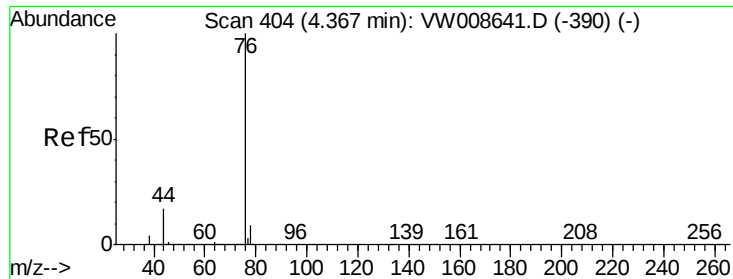
Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Tgt Ion:	43	Resp:	195554
Ion Ratio		Lower	Upper
43	100		
58	29.1	24.1	36.1





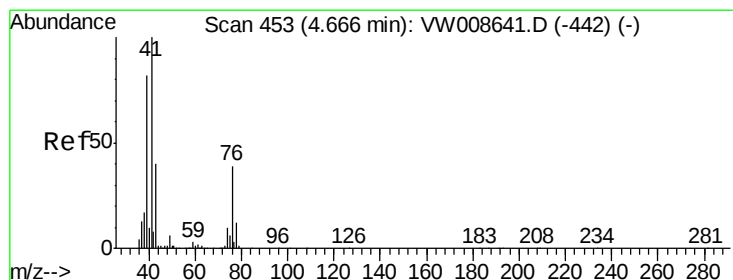
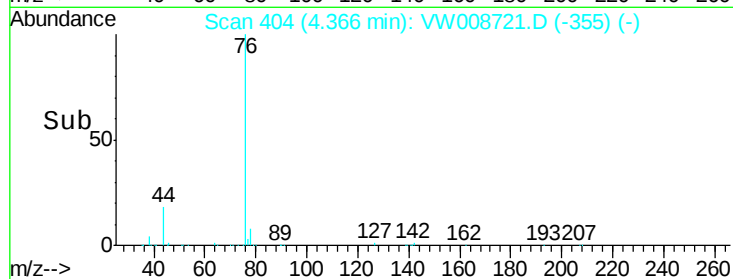
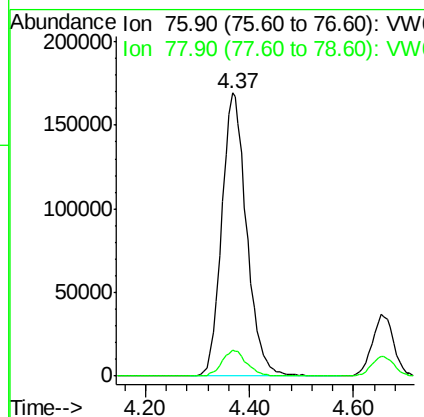
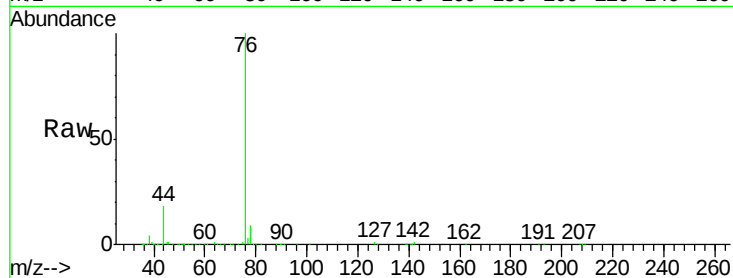
#17
Carbon Disulfide
Concen: 51.677 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

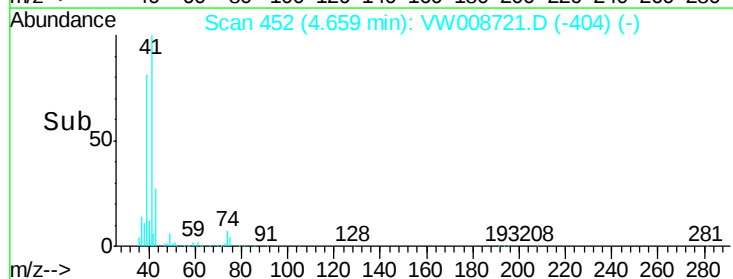
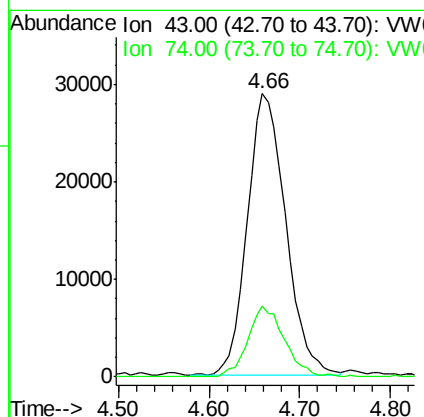
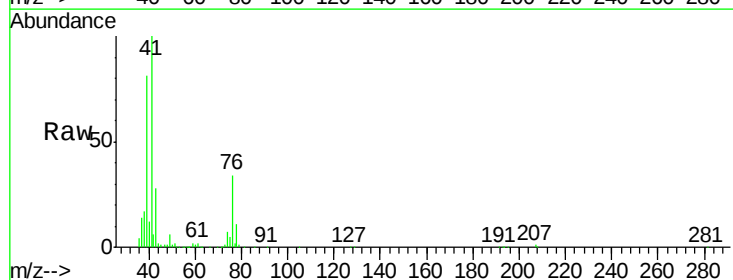
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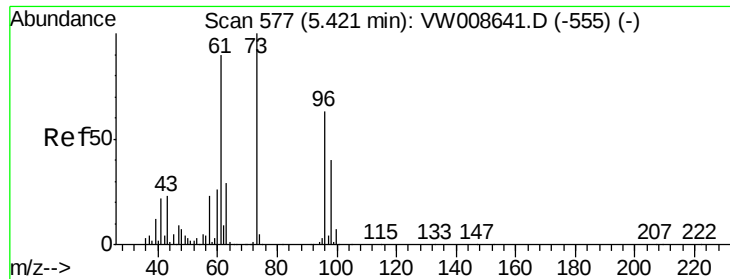
MMDadoda
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#18
Methyl Acetate
Concen: 42.252 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.0	28.4





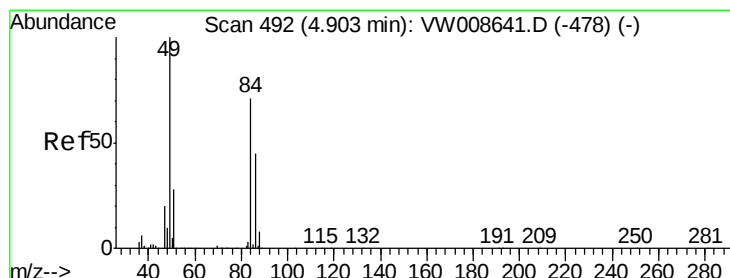
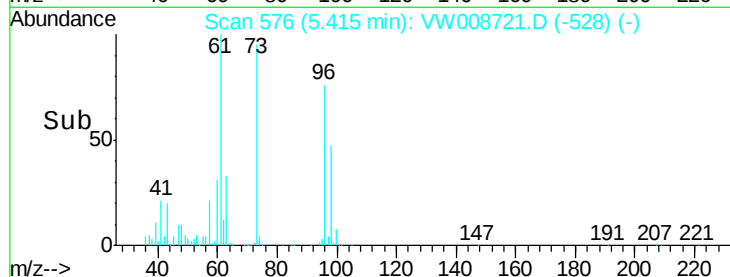
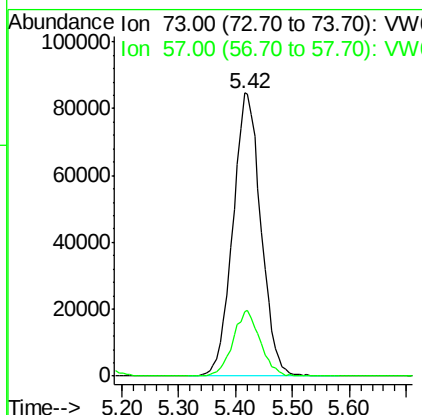
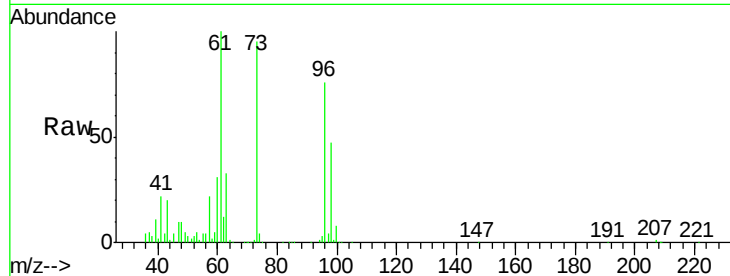
#19
Methyl tert-butyl Ether
Concen: 45.700 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 291565
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.2

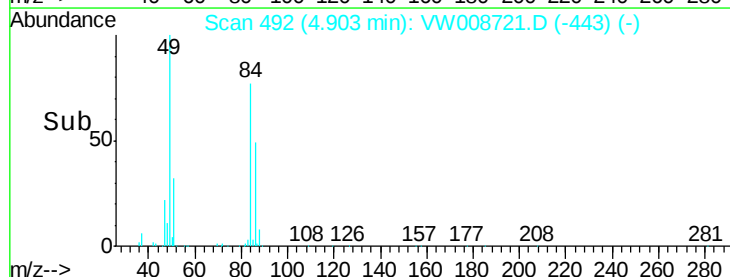
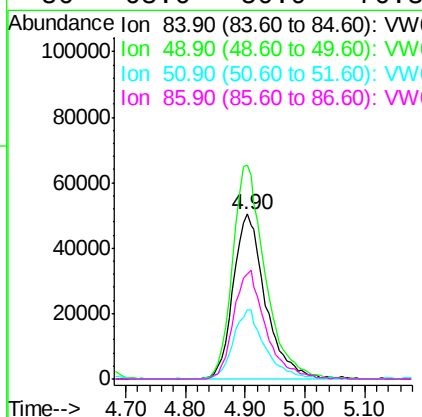
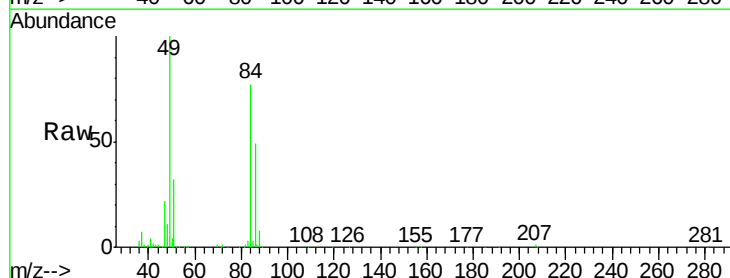
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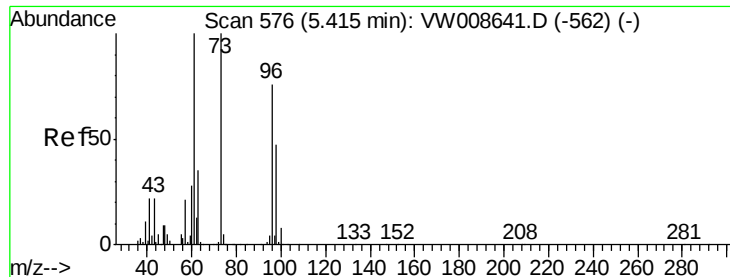
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#20
Methylene Chloride
Concen: 48.682 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion: 84 Resp: 189639
Ion Ratio Lower Upper
84 100
49 129.7 113.3 169.9
51 41.9 32.1 48.1
86 63.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.747 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

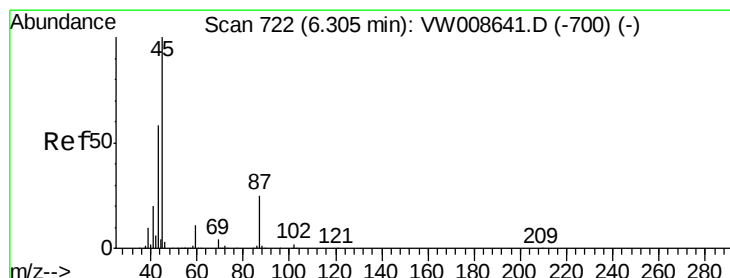
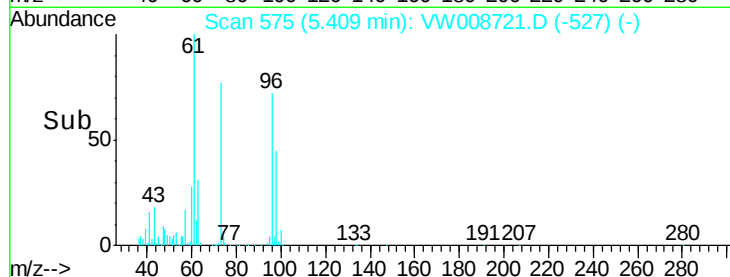
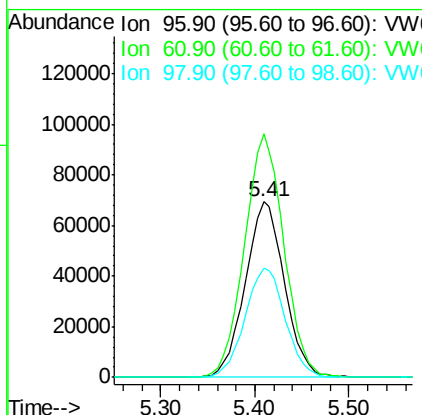
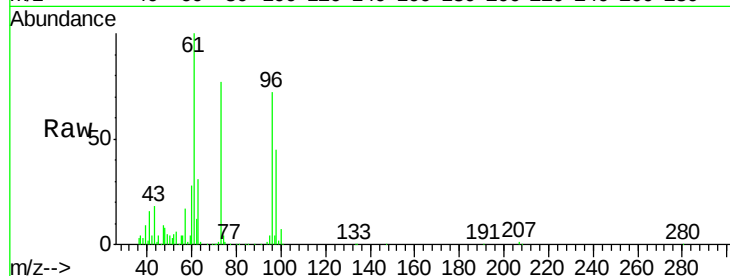
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	201977
Ion Ratio	Lower	Upper	
96	100		
61	138.8	105.9	158.9
98	62.5	49.8	74.6

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#22

Diisopropyl ether

Concen: 48.009 ug/l

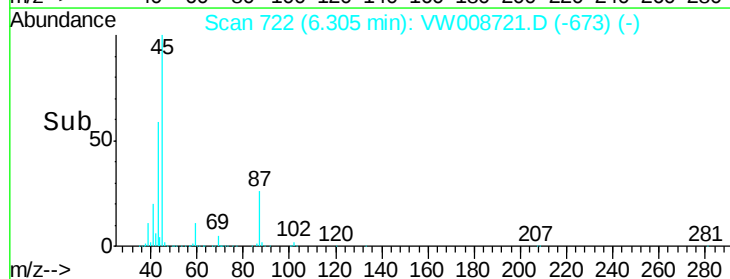
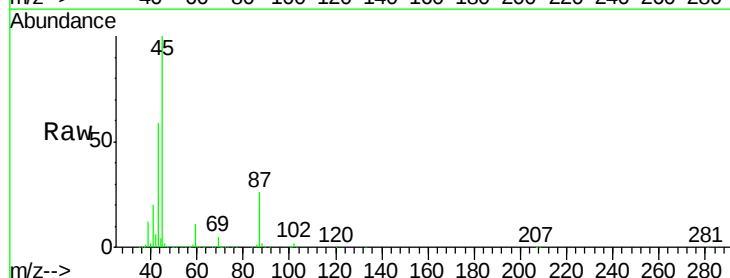
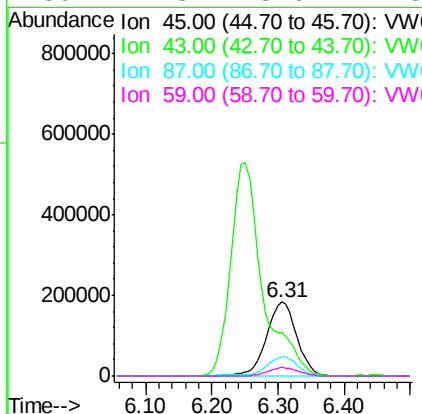
RT: 6.31 min Scan# 722

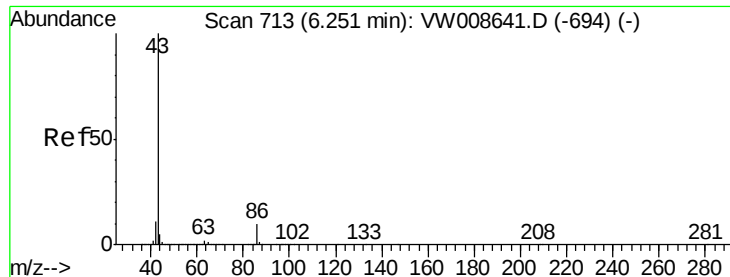
Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Tgt Ion:	45	Resp:	583448
Ion Ratio	Lower	Upper	
45	100		
43	59.3	46.1	69.1
87	25.6	20.5	30.7
59	11.3	8.6	12.8





#23

Vinyl Acetate

Concen: 225.355 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Tot Ion: 43 Resp: 1777468

Ion Ratio Lower Upper

43 100

86 10.3 7.9 11.9

Instrument :

MSVOA_W

ClientSampleId :

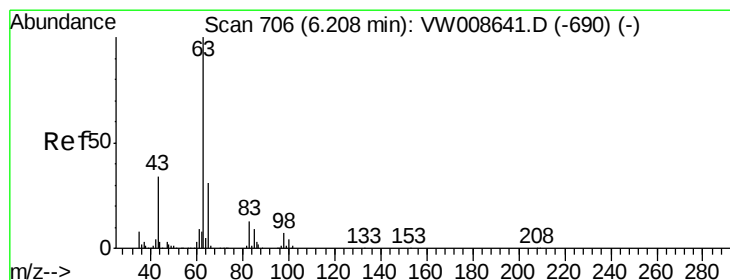
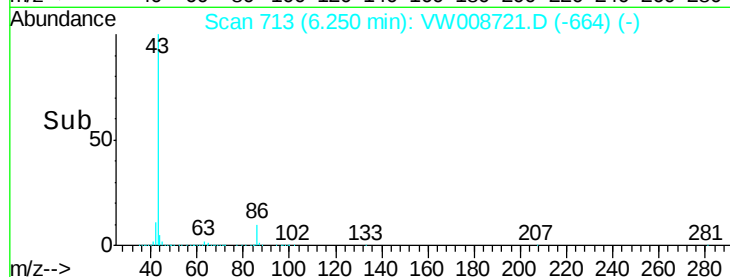
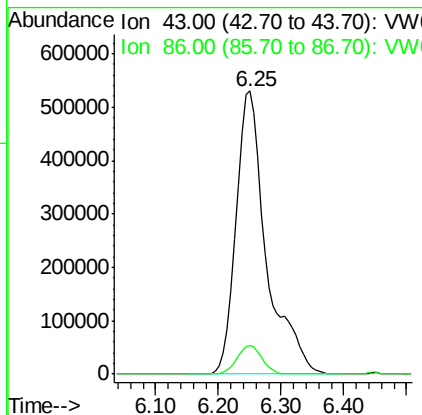
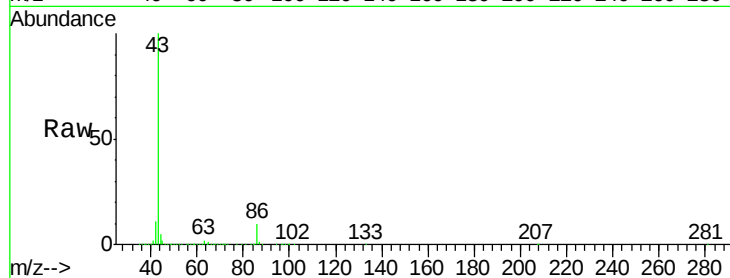
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 50.344 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

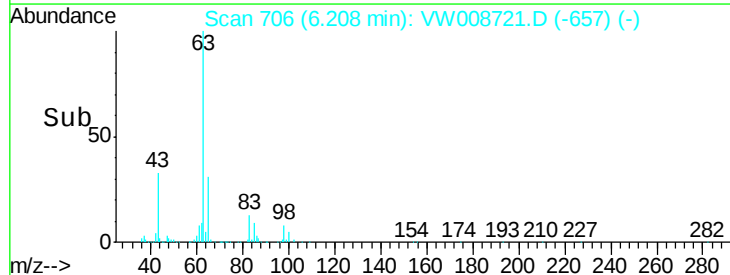
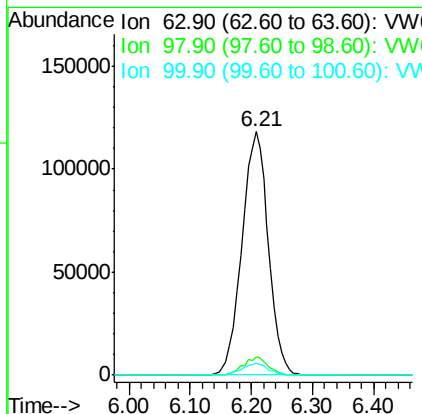
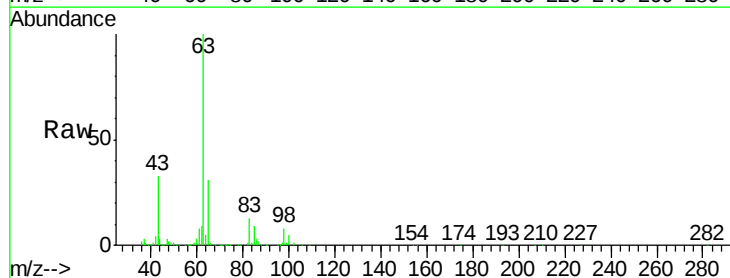
Tgt Ion: 63 Resp: 353043

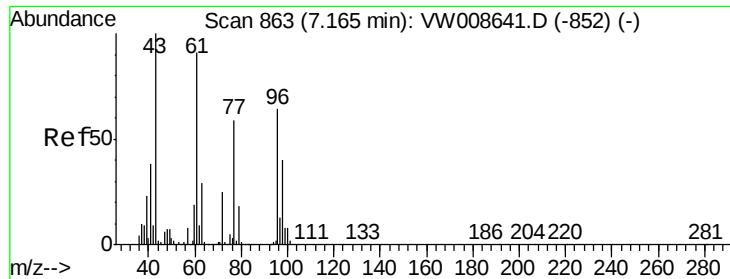
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.8

100 5.0 2.2 6.6





#25

2-Butanone

Concen: 209.234 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 260201

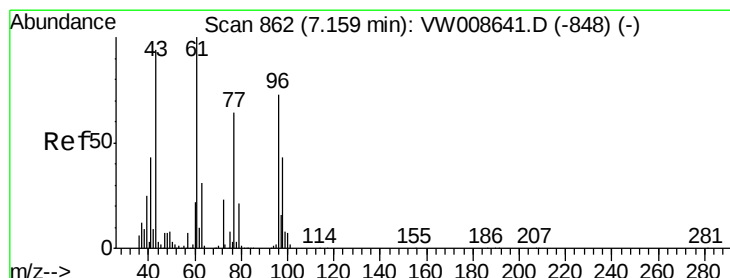
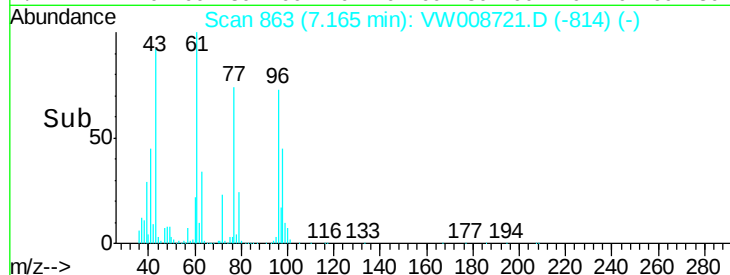
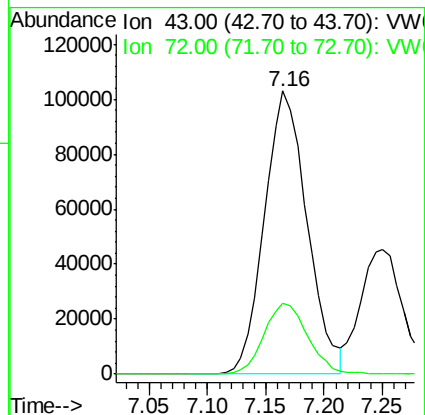
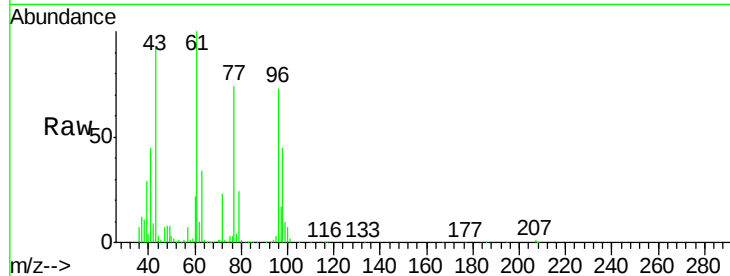
Ion Ratio Lower Upper

43 100

72 25.2 19.7 29.5

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#26

2,2-Dichloropropane

Concen: 55.945 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW008721.D

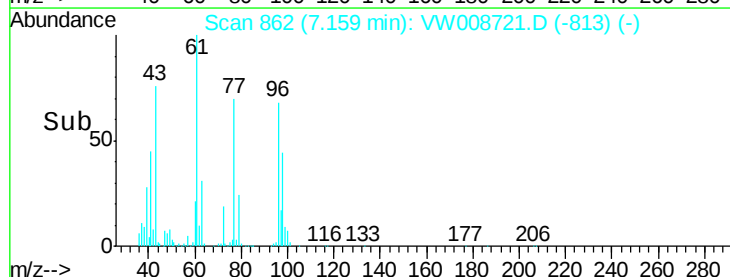
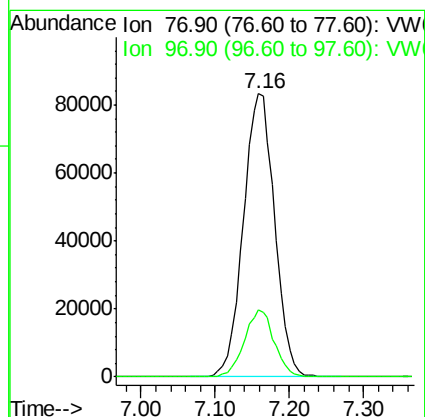
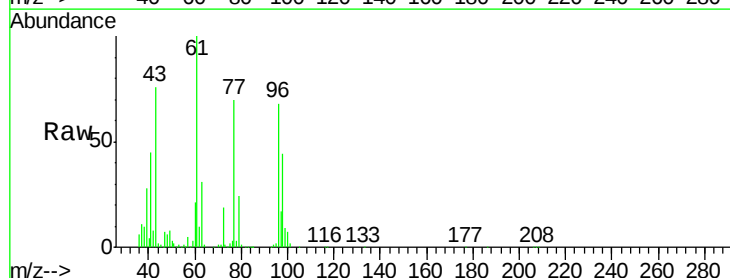
Acq: 18 Feb 2019 11:41

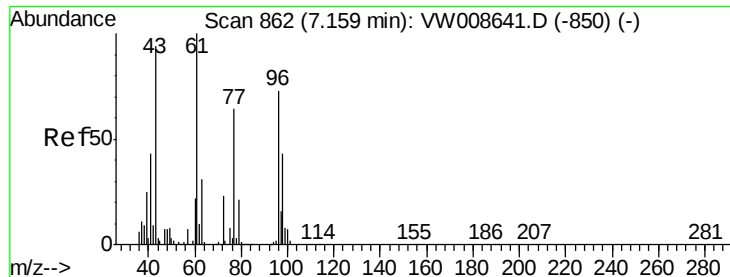
Tgt Ion: 77 Resp: 245090

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.0





#27

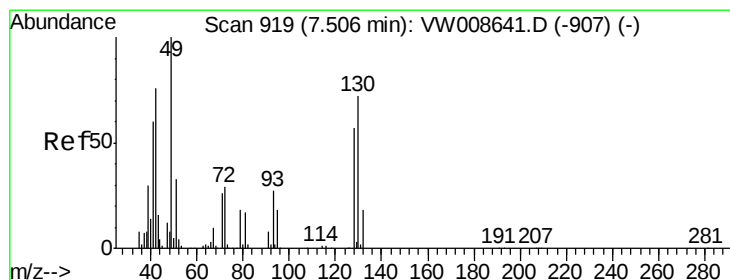
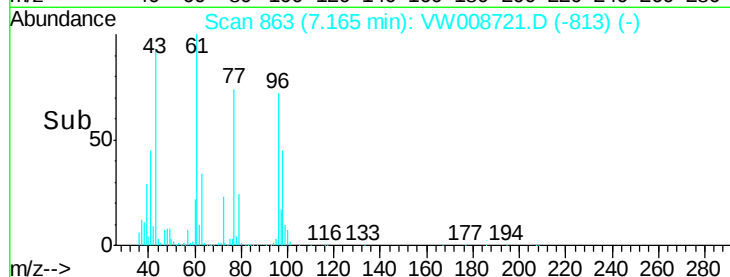
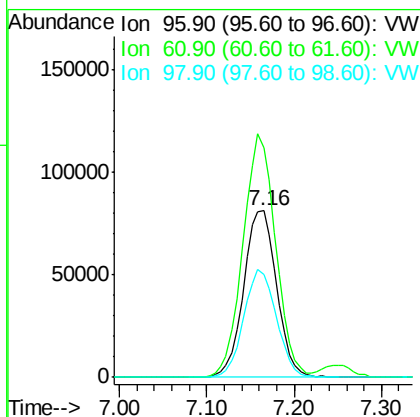
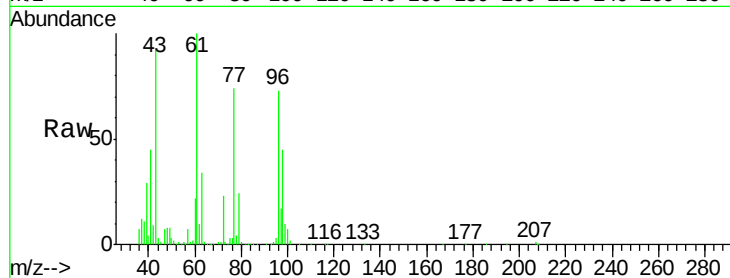
cis-1,2-Dichloroethene
Concen: 49.406 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	212633		
61	145.1	0.0	286.4	
98	64.4	0.0	125.0	

Manual Integrations
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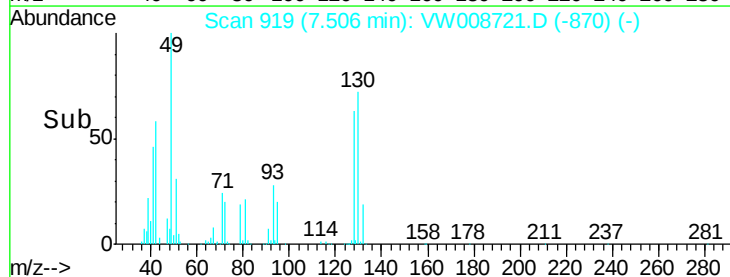
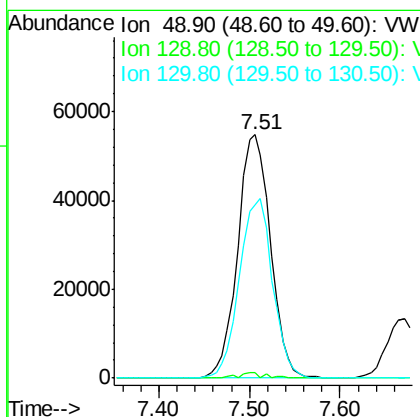
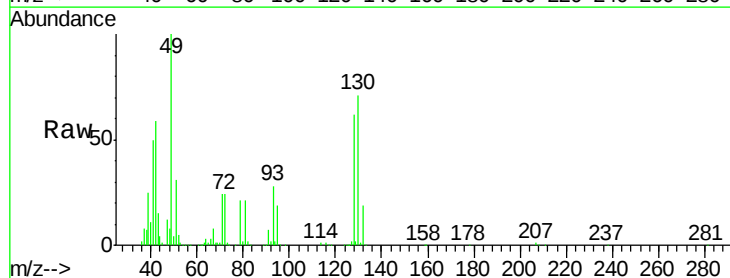
MMDadoda
2/19/2019 11:12:32 AM

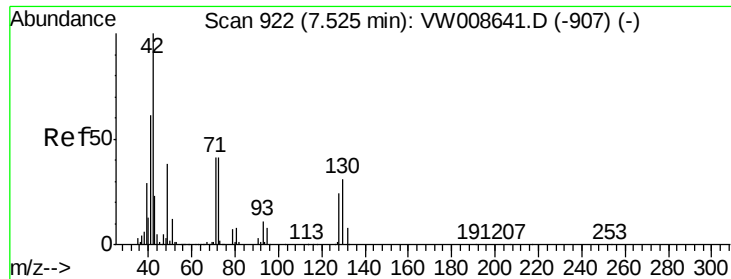


#28

Bromochloromethane
Concen: 46.465 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	137552		
129	1.7	0.0	3.2	
130	74.7	59.4	89.0	





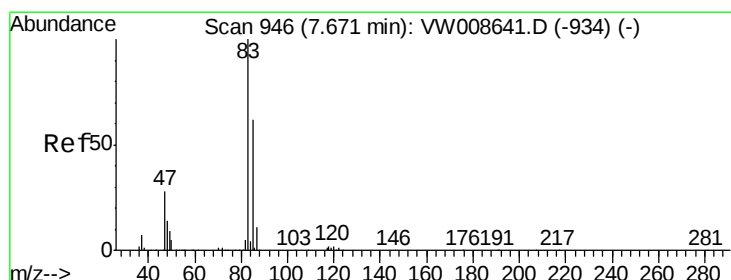
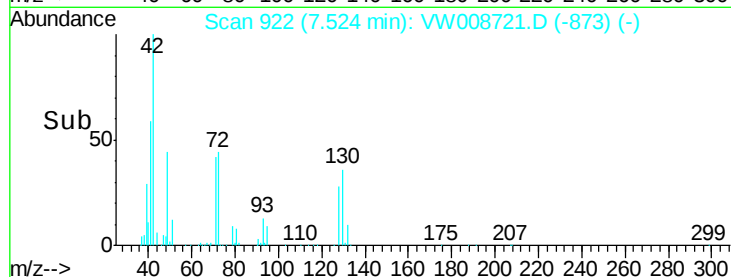
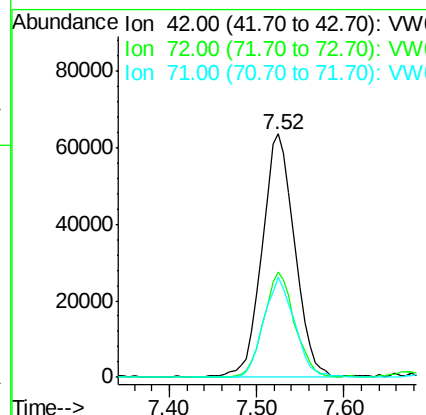
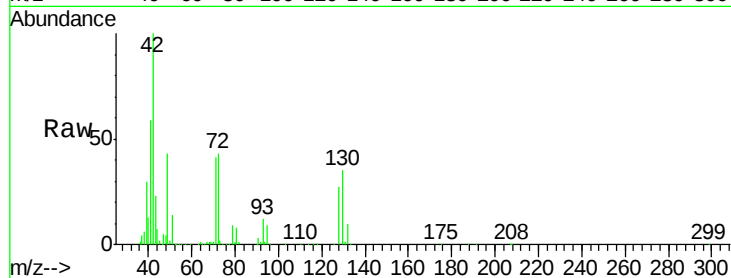
#29
Tetrahydrofuran
Concen: 200.490 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.2	48.2
71	39.3	31.0	46.6

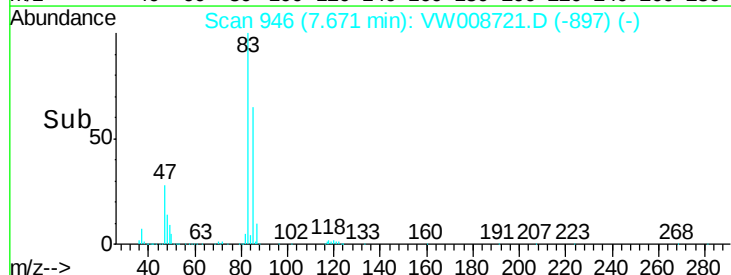
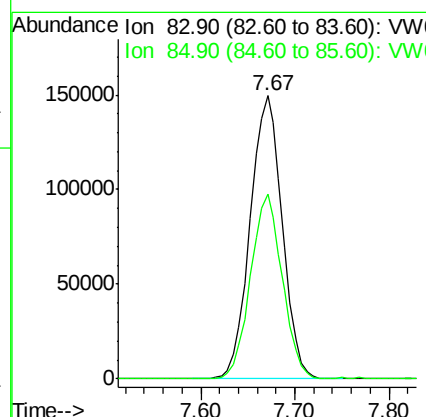
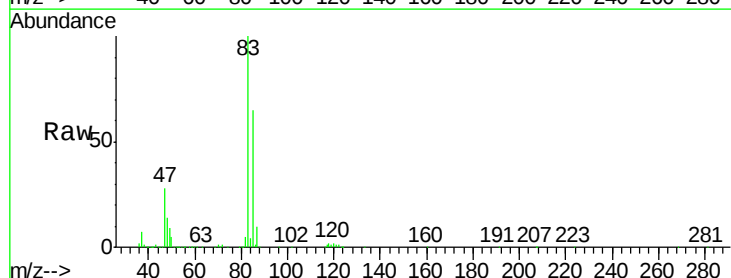
Manual Integrations
APPROVED

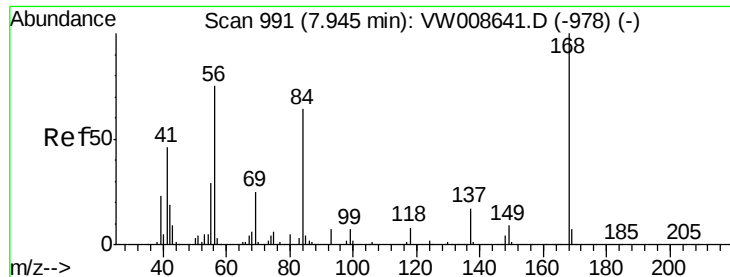
MMDadoda
2/19/2019 11:12:32 AM



#30
Chloroform
Concen: 50.811 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.8	74.8





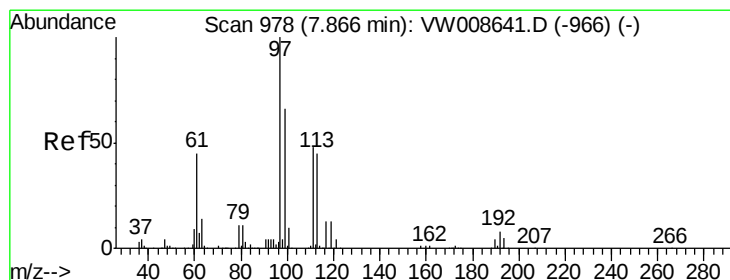
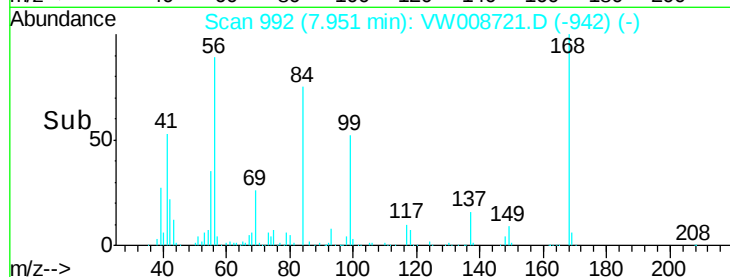
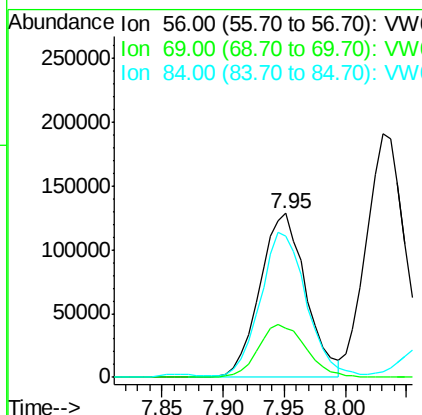
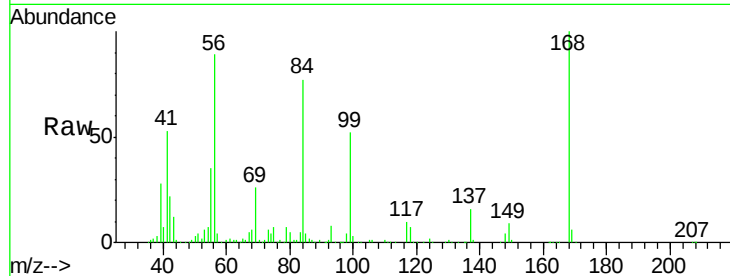
#31
Cyclohexane
Concen: 47.569 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	26.4	39.6
84	84.9	67.4	101.2

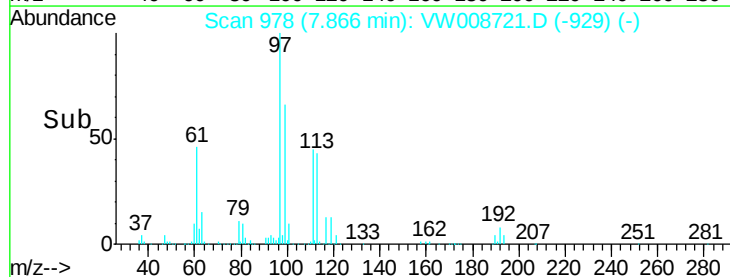
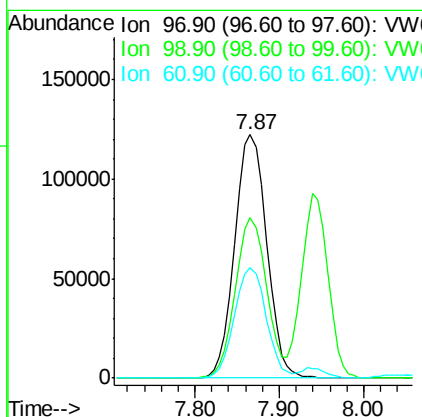
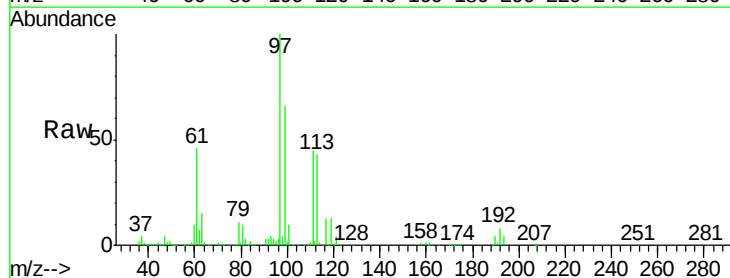
Manual Integrations
APPROVED

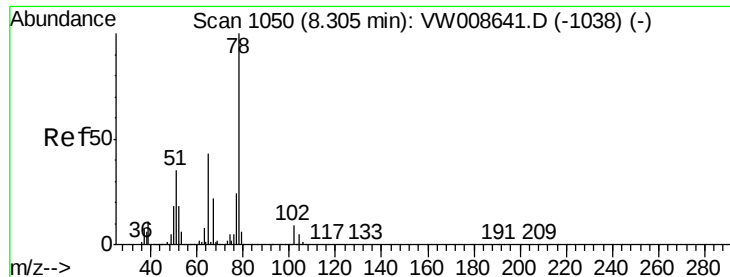
MMDadoda
2/19/2019 11:12:32 AM



#32
1,1,1-Trichloroethane
Concen: 53.031 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	45.1	35.8	53.6





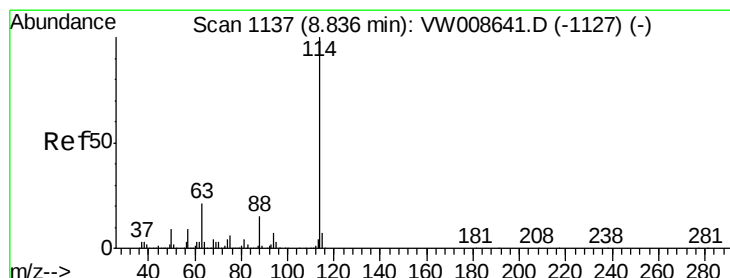
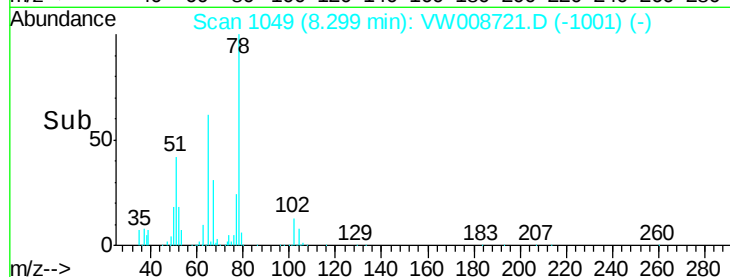
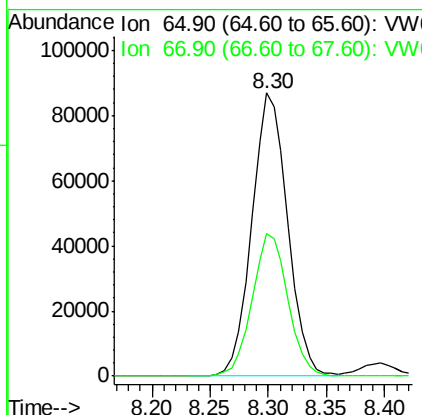
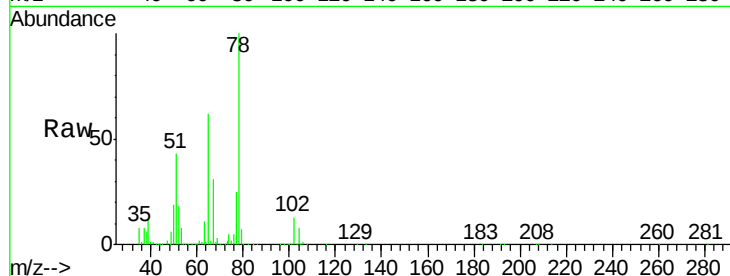
#33
 1,2-Dichloroethane-d4
 Concen: 48.096 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186141		
67	49.9	0.0	102.0	

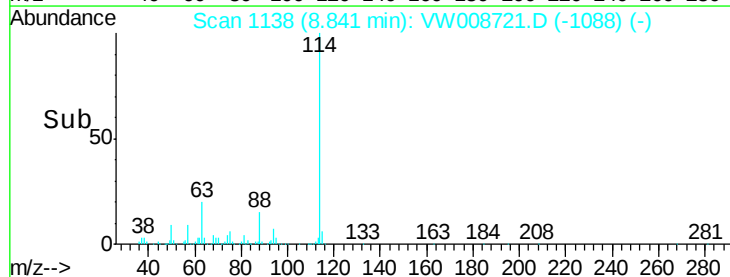
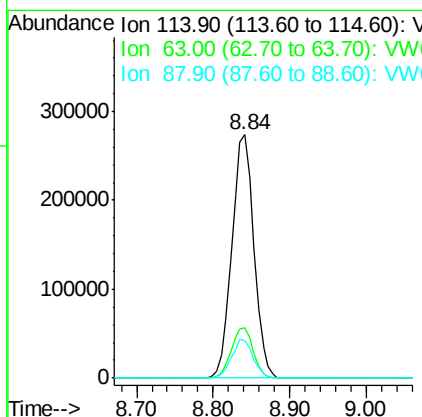
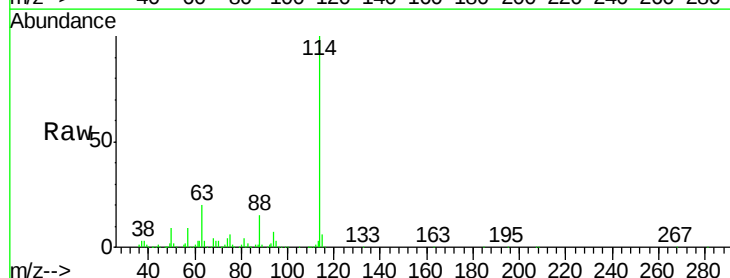
Manual Integrations
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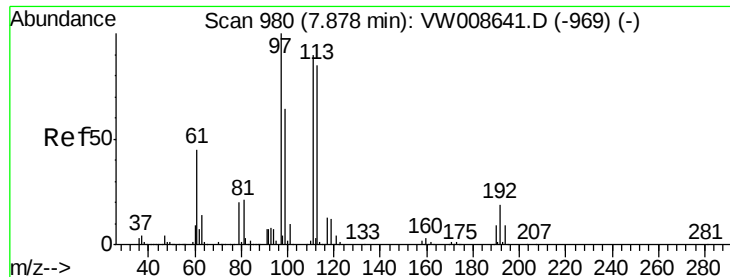
MMDadoda
 2/19/2019 11:12:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	542502		
63	20.4	0.0	41.2	
88	15.2	0.0	29.6	





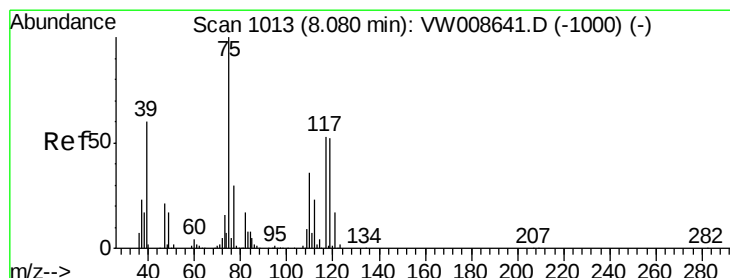
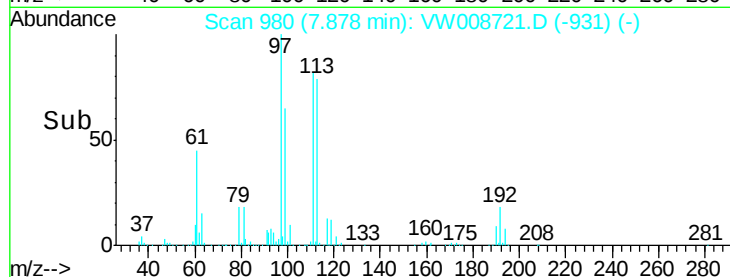
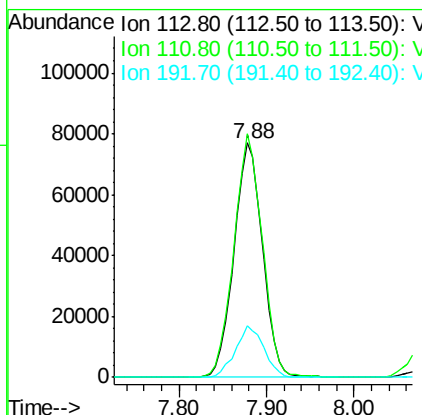
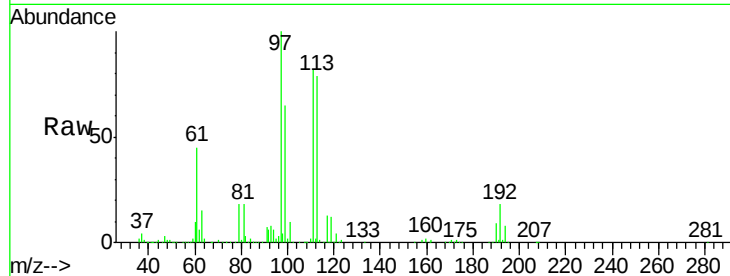
#35
 Dibromofluoromethane
 Concen: 51.951 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	84.0	126.0
192	22.0	17.4	26.2

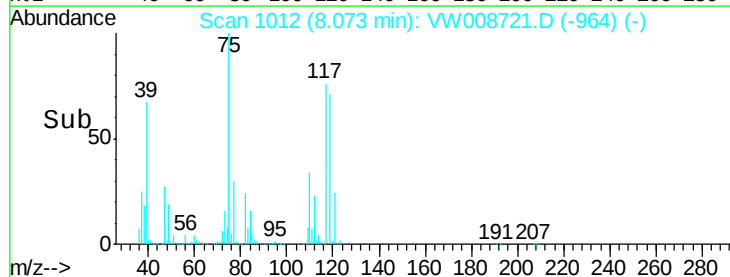
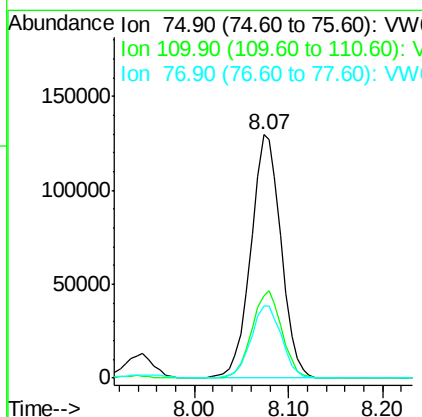
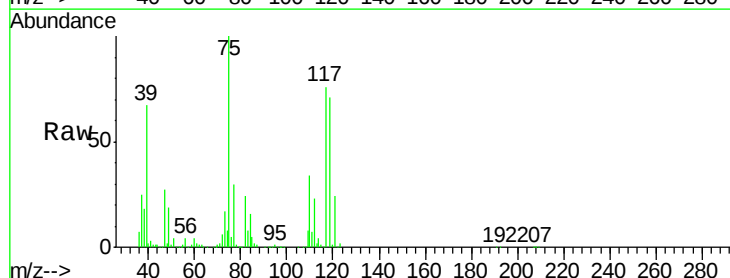
Manual Integrations
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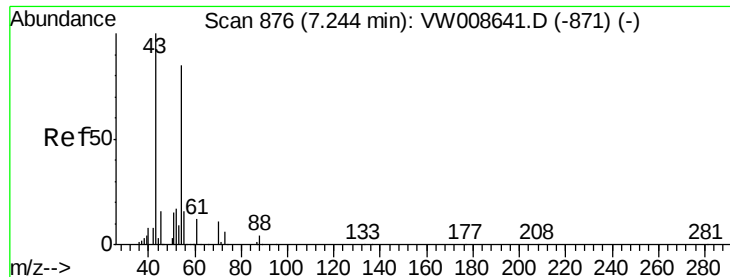
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#36
 1,1-Dichloropropene
 Concen: 53.427 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.8	53.3
77	30.3	24.7	37.1





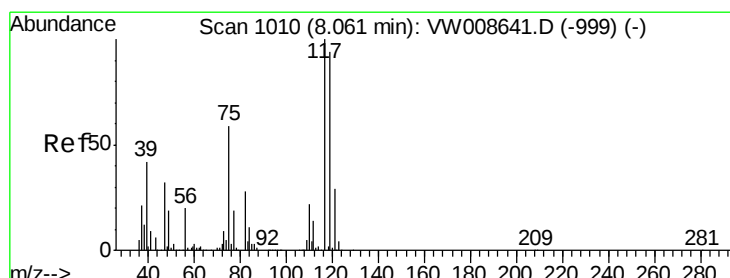
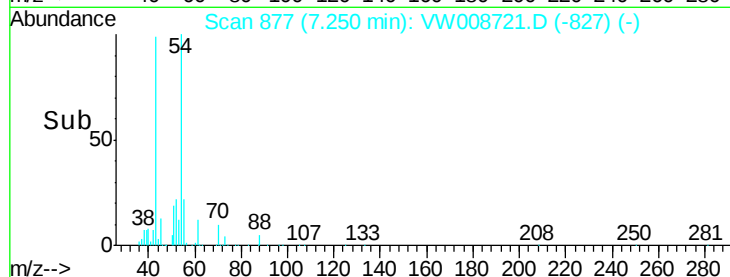
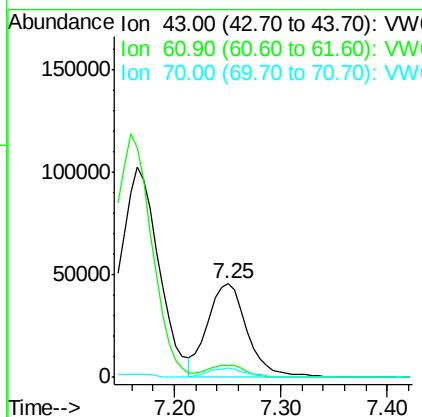
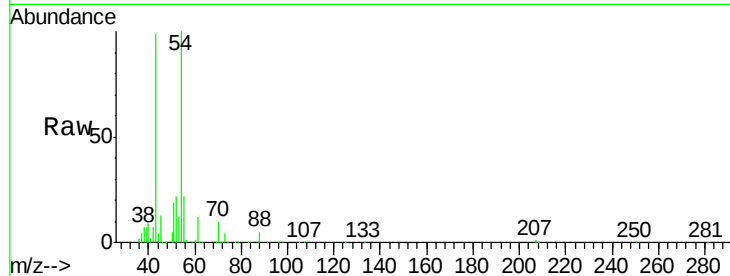
#37
Ethyl Acetate
Concen: 44.387 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	116701
Ion Ratio	Lower	Upper	
43	100		
61	12.7	10.5	15.7
70	9.5	8.1	12.1

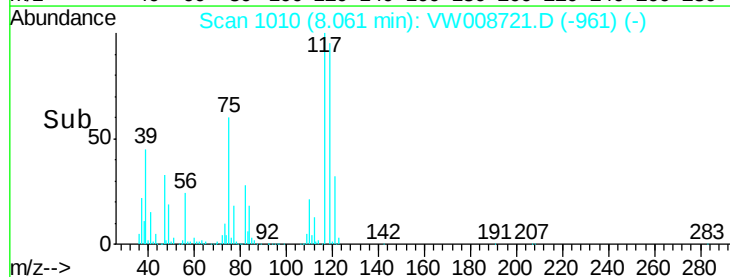
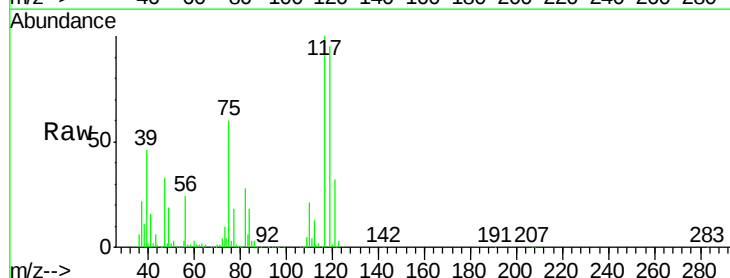
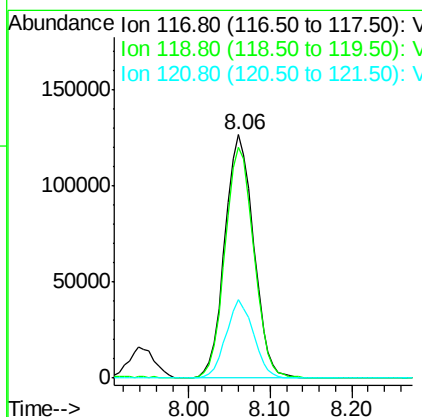
Manual Integrations
APPROVED

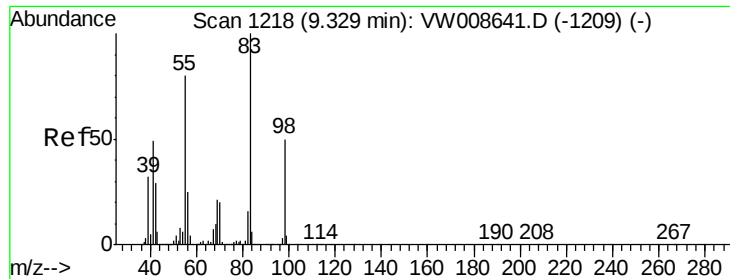
MMDadoda
2/19/2019 11:12:32 AM



#38
Carbon Tetrachloride
Concen: 57.142 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion:	117	Resp:	309698
Ion Ratio	Lower	Upper	
117	100		
119	94.9	75.1	112.7
121	32.0	23.5	35.3





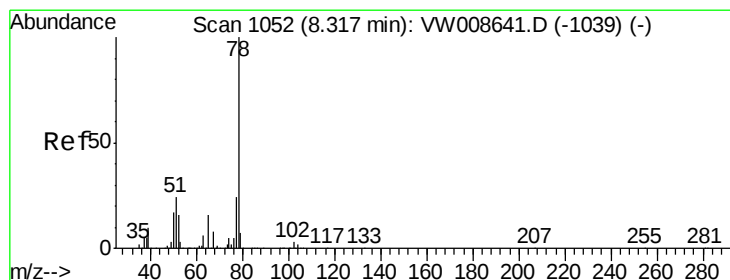
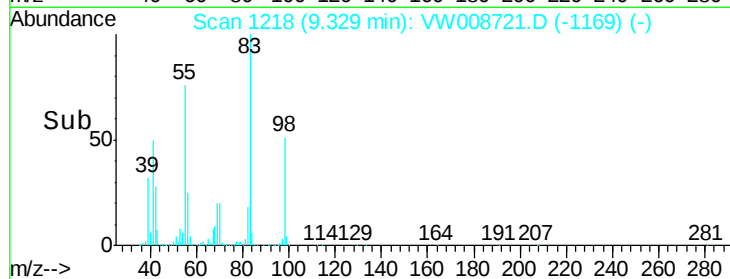
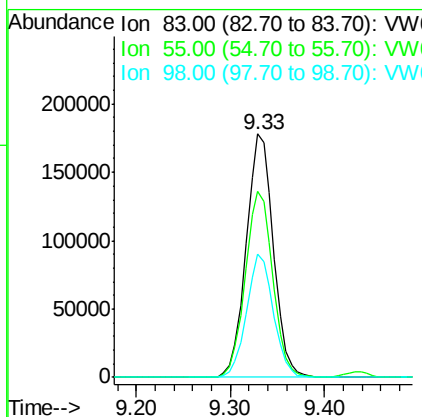
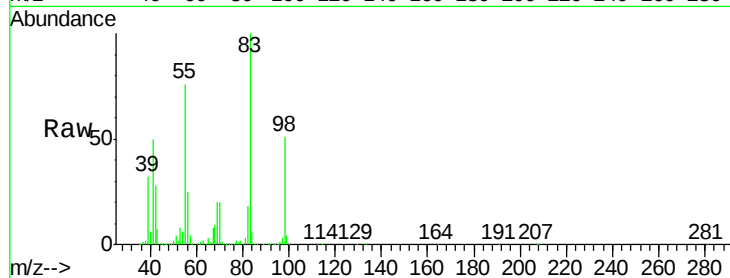
#39
Methvlcvclohexane
Concen: 52.326 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	63.9	95.9
98	50.8	40.2	60.2

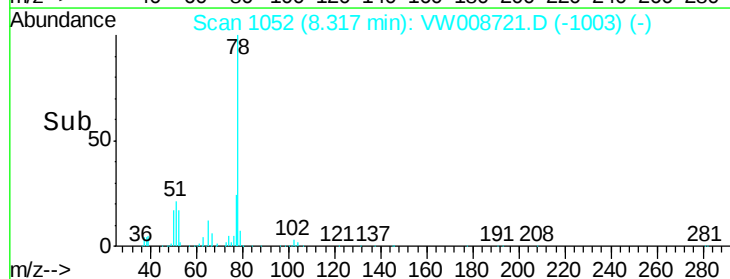
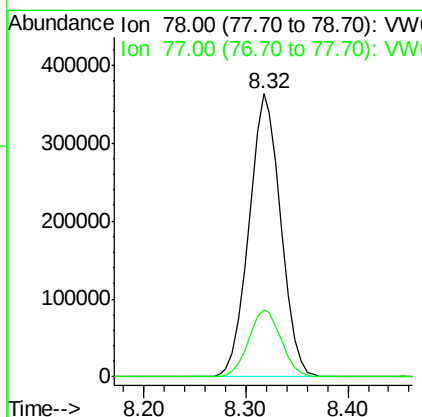
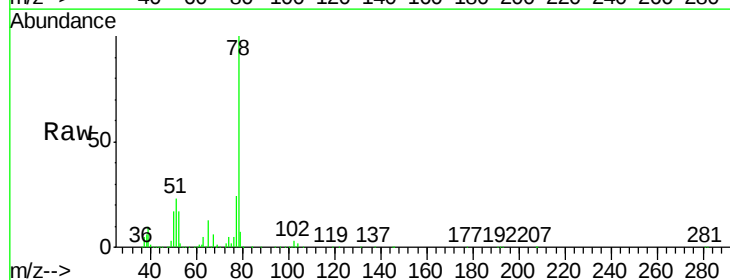
Manual Integrations
APPROVED

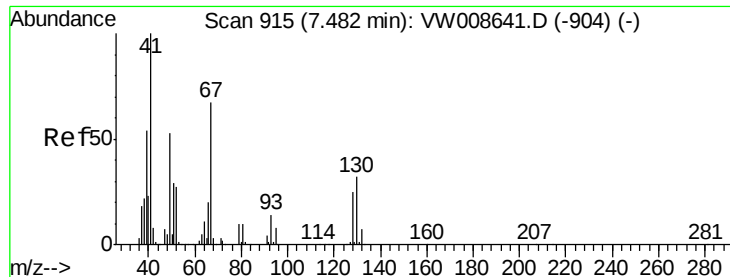
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#40
Benzene
Concen: 52.771 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.5	29.3





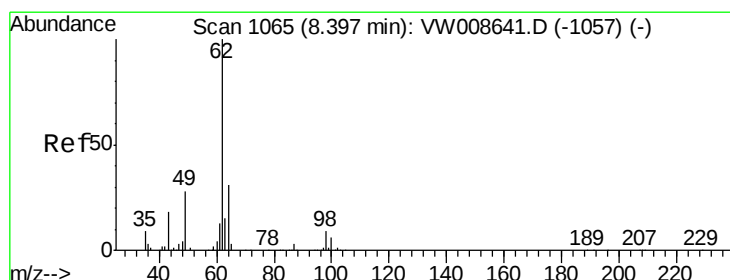
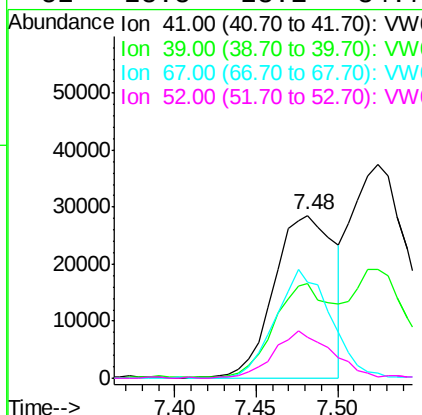
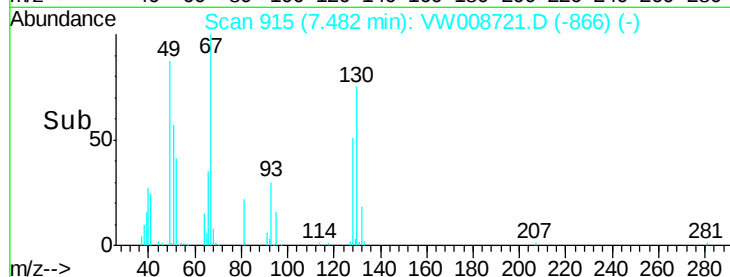
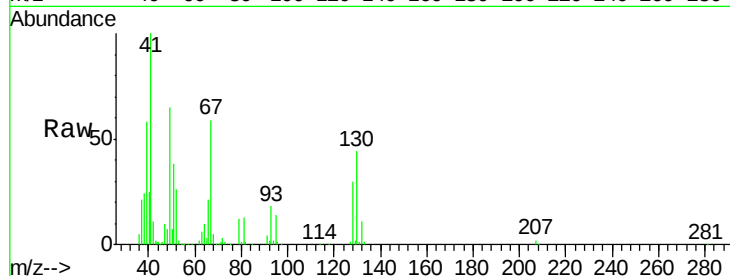
#41
Methacrylonitrile
Concen: 49.465 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	39.7	59.5	
67	62.0	52.5	78.7	
52	28.8	23.1	34.7	

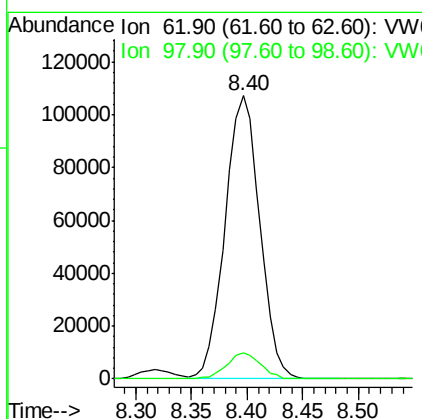
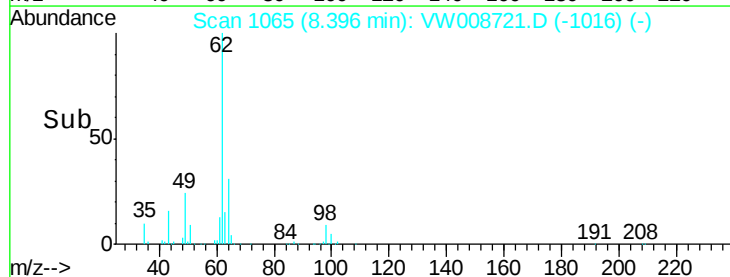
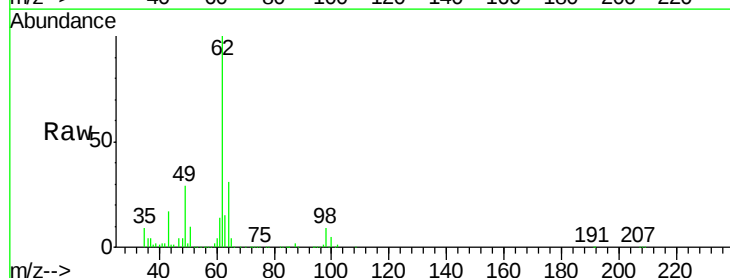
Manual Integrations
APPROVED

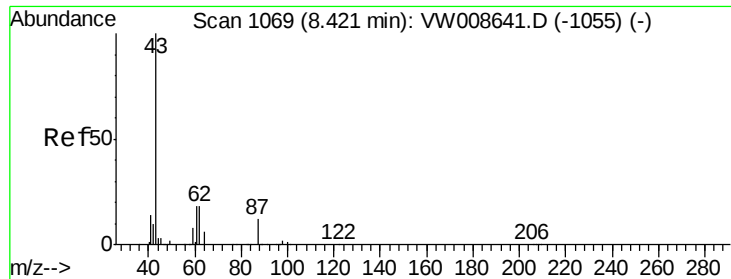
MMDadoda
2/19/2019 11:12:32 AM



#42
1,2-Dichloroethane
Concen: 50.228 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

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





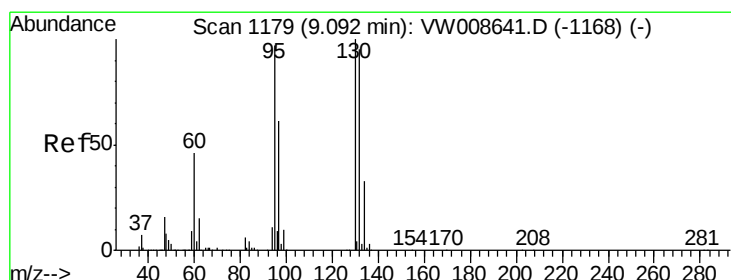
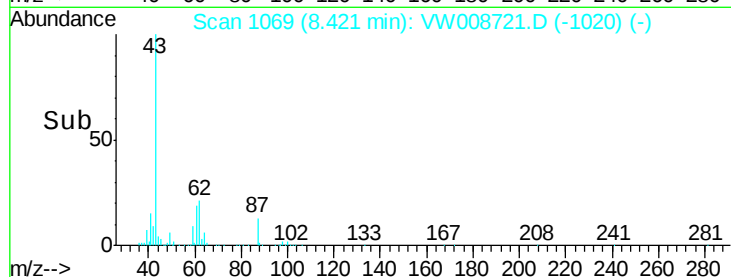
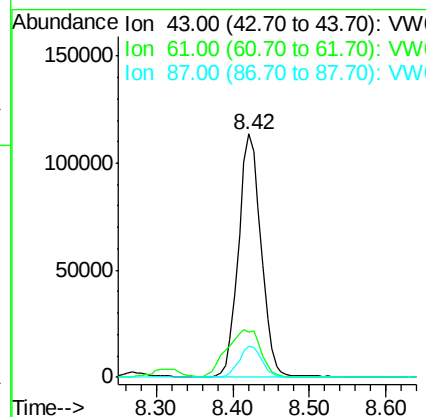
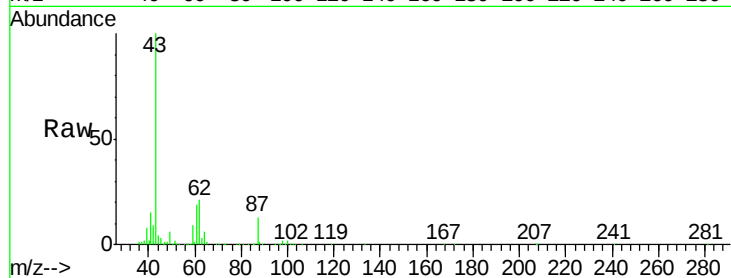
#43
Isopropyl Acetate
Concen: 44.296 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	21.4	32.2
87	12.9	9.8	14.8

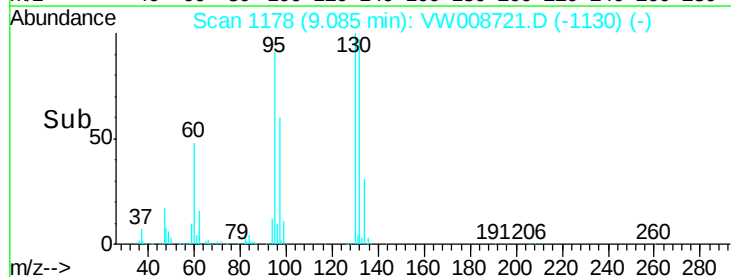
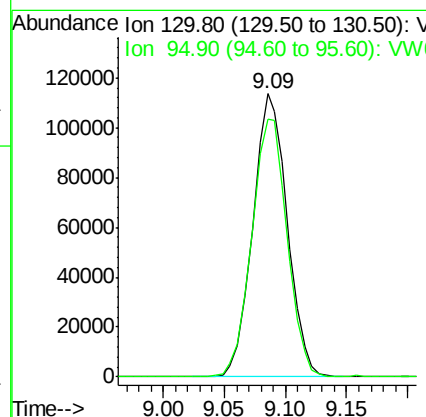
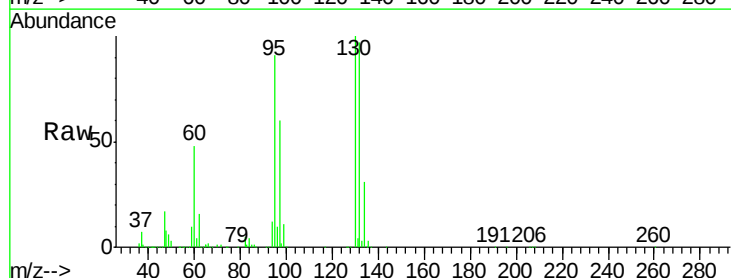
Manual Integrations
APPROVED

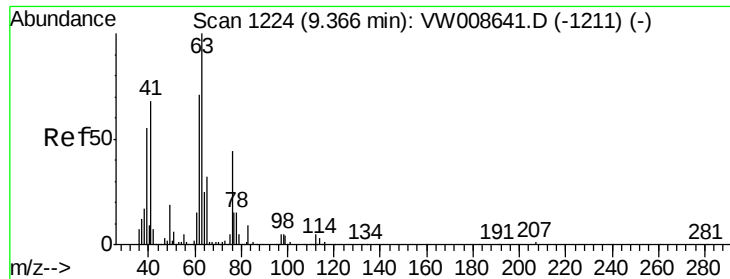
MMDadoda
2/19/2019 11:12:32 AM



#44
Trichloroethene
Concen: 53.763 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	193.4





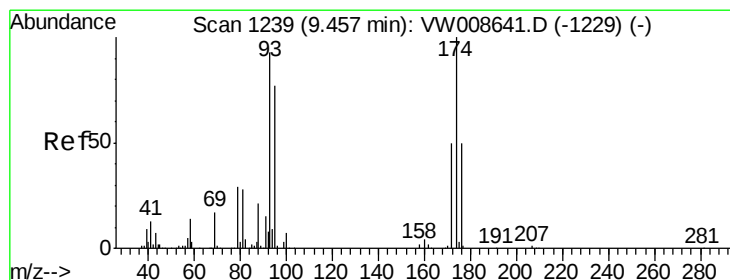
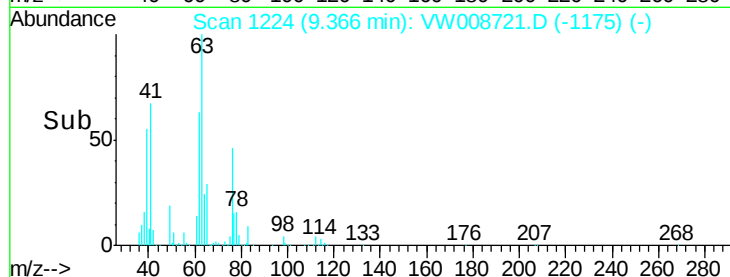
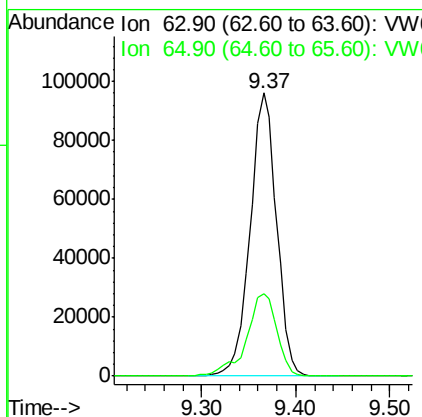
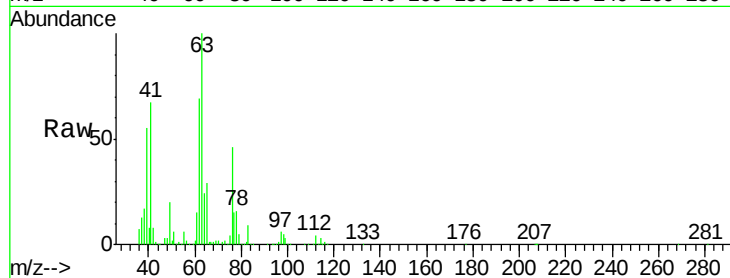
#45
 1,2-Dichloropropane
 Concen: 51.475 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	25.4	38.0

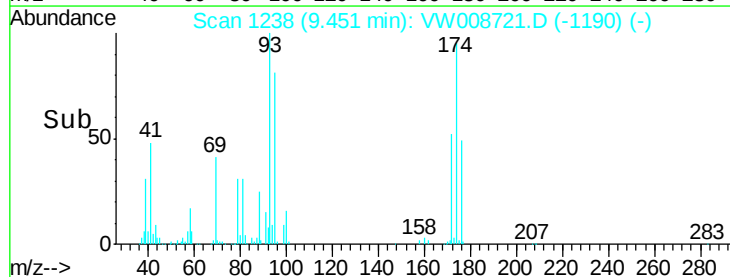
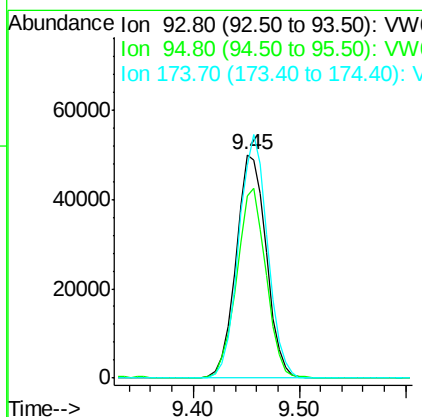
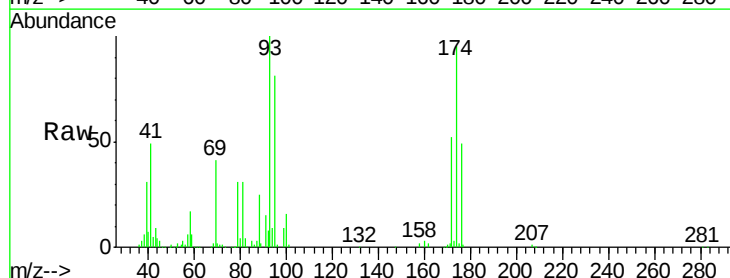
Manual Integrations
 APPROVED

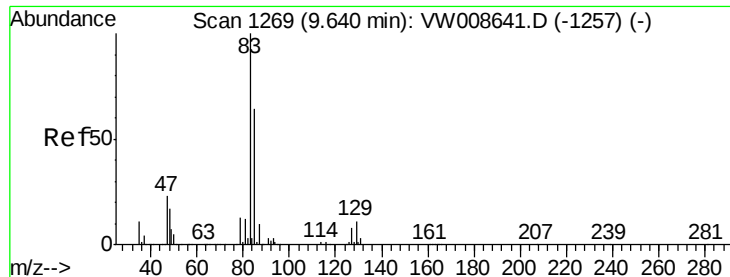
MMDadoda
 2/19/2019 11:12:32 AM



#46
 Dibromomethane
 Concen: 49.105 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.8
174	104.3	82.5	123.7





#47

Bromodichloromethane

Concen: 53.526 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

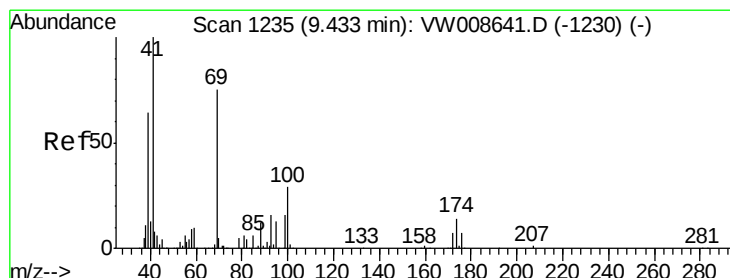
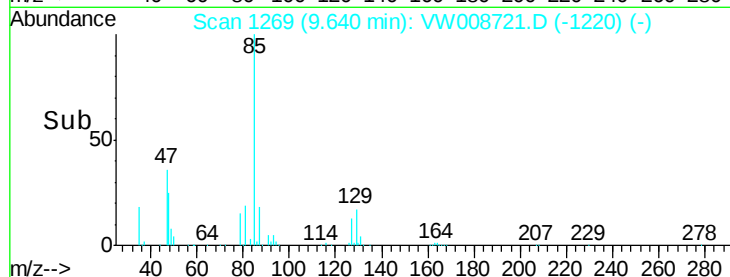
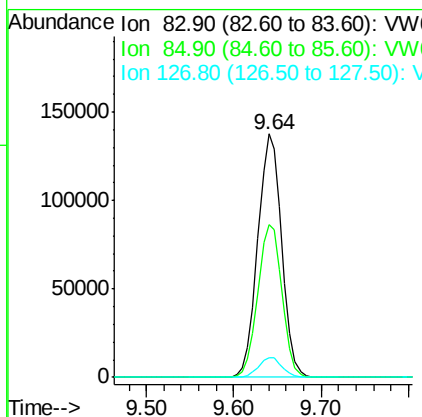
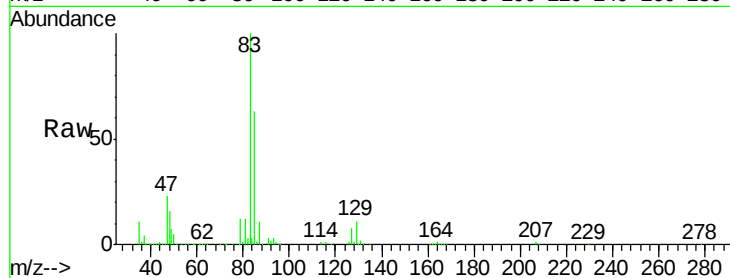
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	261050
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.2	76.8
127	8.1	6.4	9.6

Manual Integrations
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MMDadoda
2/19/2019 11:12:32 AM



#48

Methyl methacrylate

Concen: 46.110 ug/l

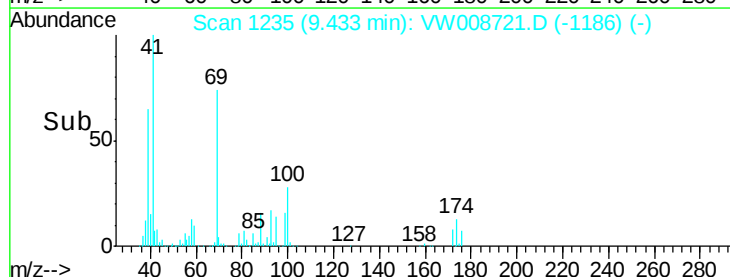
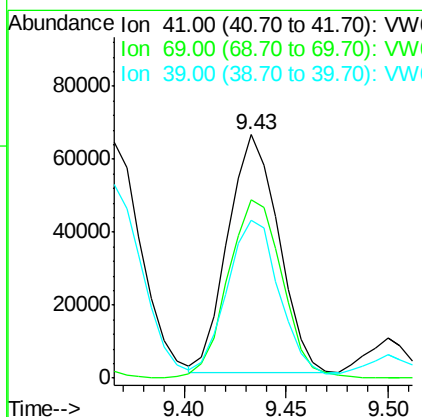
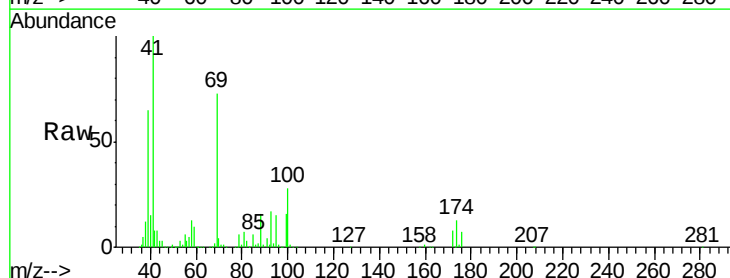
RT: 9.43 min Scan# 1235

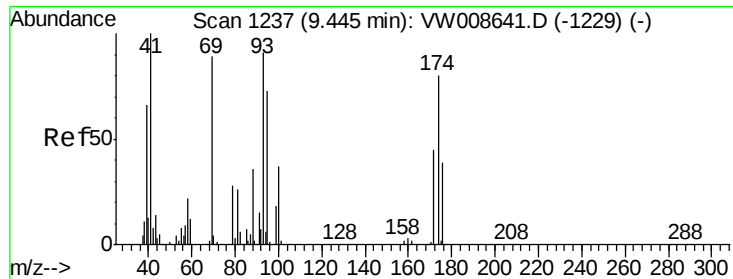
Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Tgt Ion:	41	Resp:	112028
Ion	Ratio	Lower	Upper
41	100		
69	80.2	64.1	96.1
39	65.8	52.3	78.5





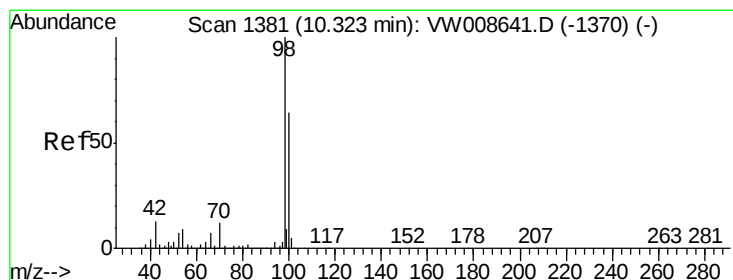
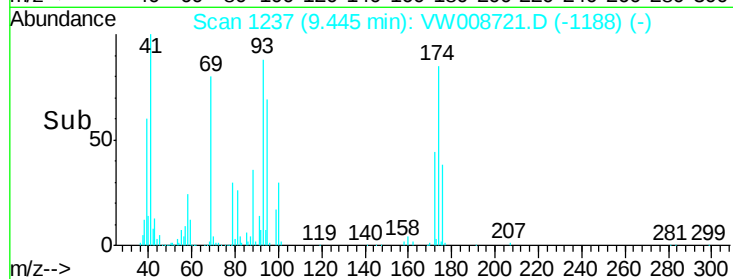
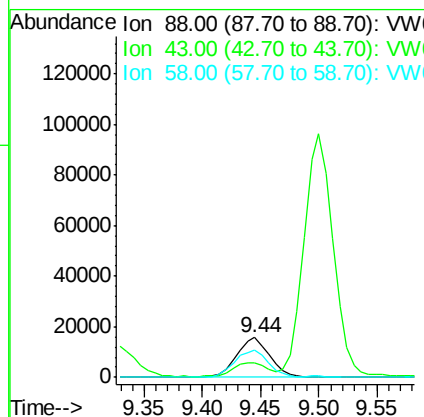
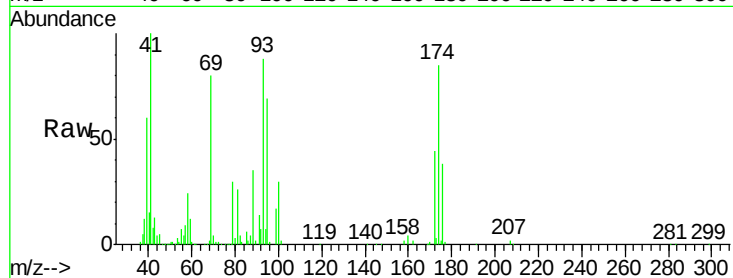
#49
1,4-Dioxane
Concen: 968.487 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	31.0	46.6
58	70.6	57.0	85.6

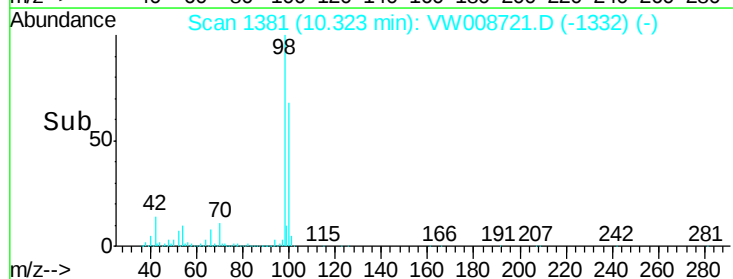
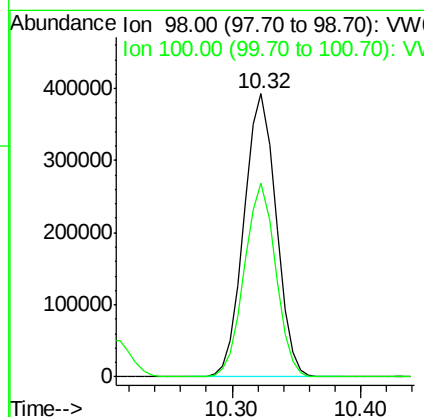
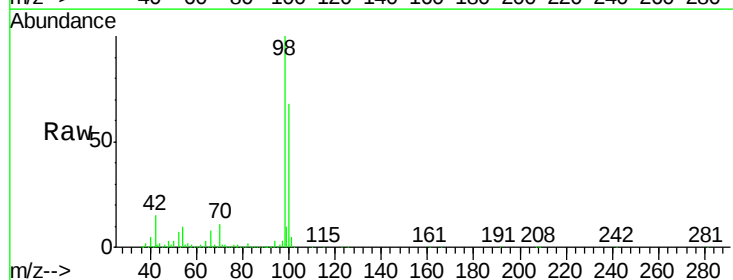
Manual Integrations
APPROVED

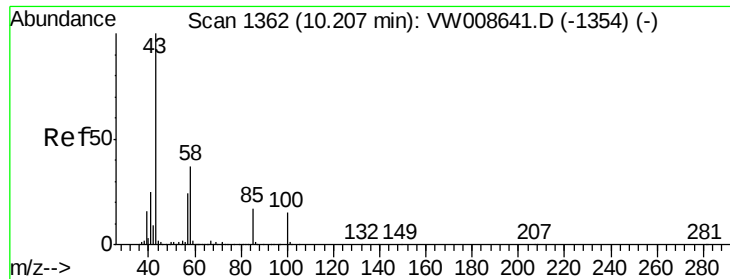
MMDadoda
2/19/2019 11:12:32 AM



#50
Toluene-d8
Concen: 52.129 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 215.698 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

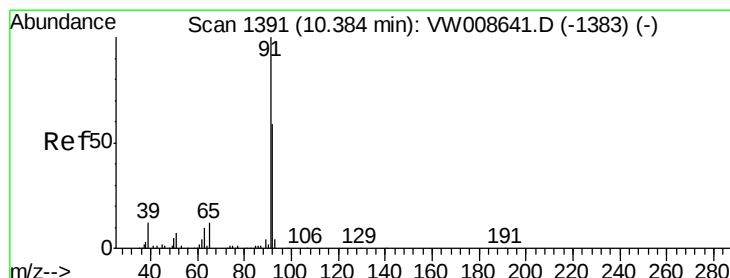
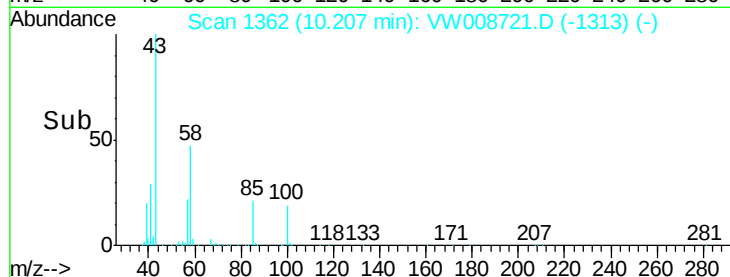
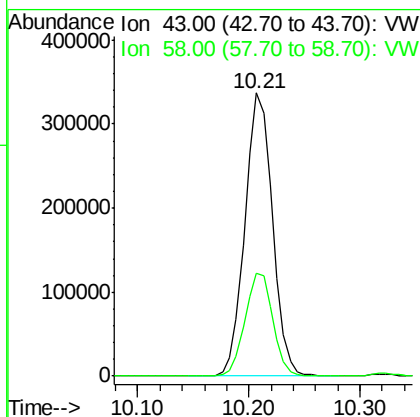
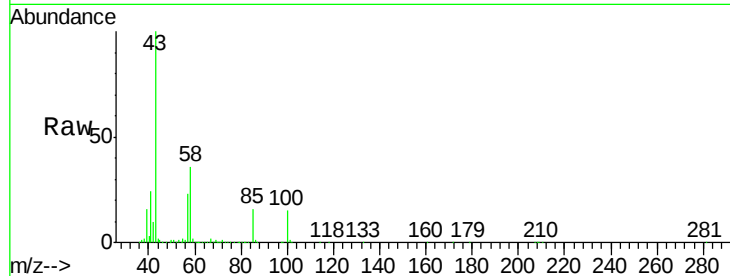
ClientSampleId :

VSTDCCC050

Tot Ion	43	Resp	580890
Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.0	43.6

Manual Integrations
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MMDadoda
2/19/2019 11:12:32 AM



#52

Toluene

Concen: 52.522 ug/l

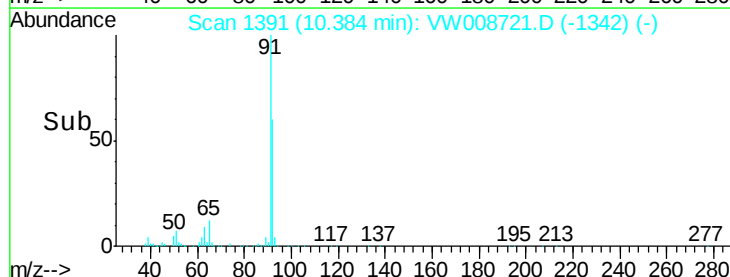
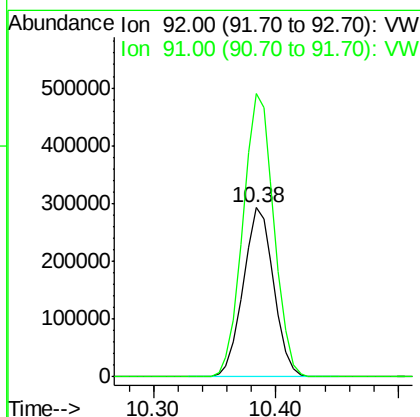
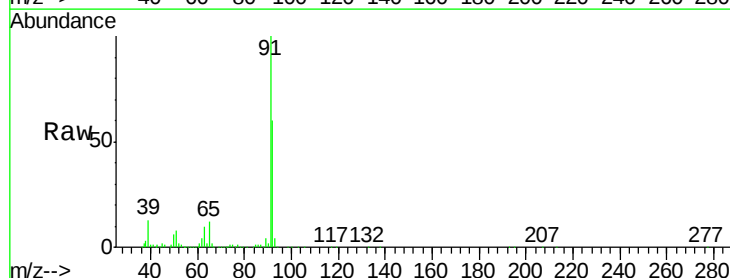
RT: 10.38 min Scan# 1391

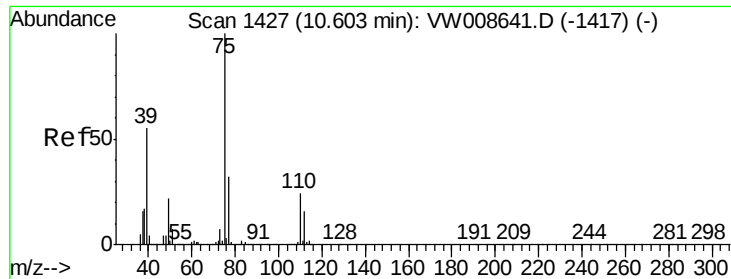
Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Tgt Ion	92	Resp	504368
Ion	Ratio	Lower	Upper
92	100		
91	170.0	135.8	203.6





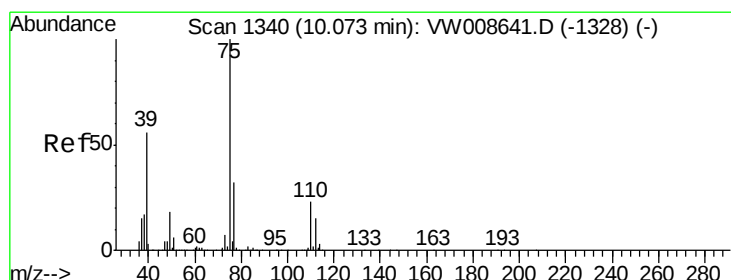
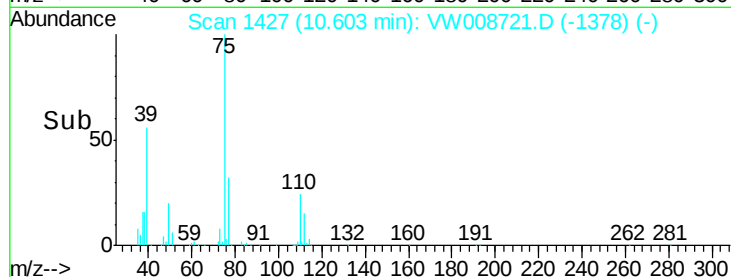
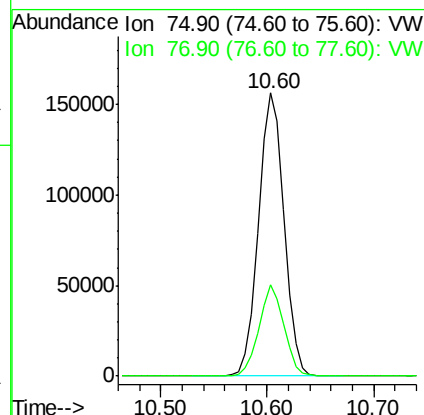
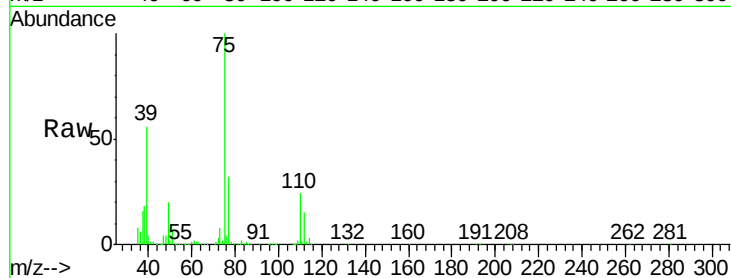
#53
t-1,3-Dichloropropene
Concen: 51.318 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5

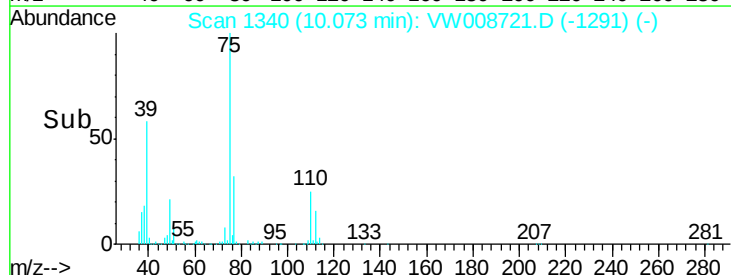
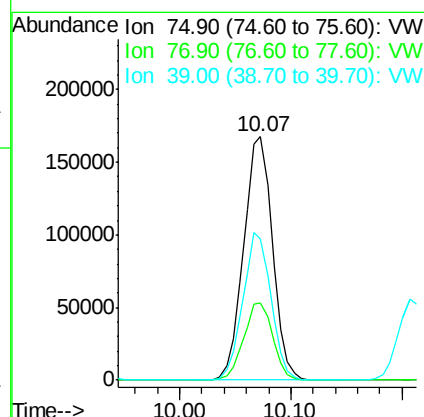
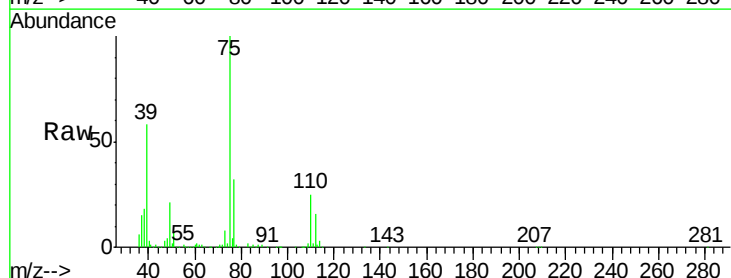
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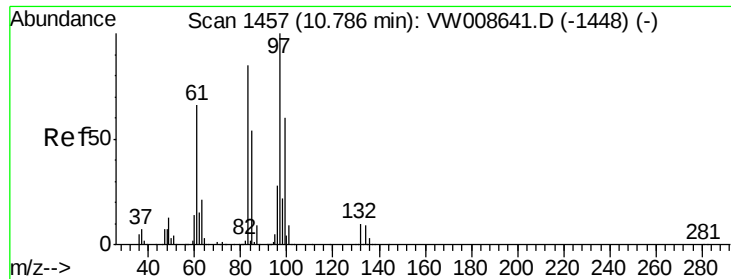
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.857 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	57.8	44.5	66.7





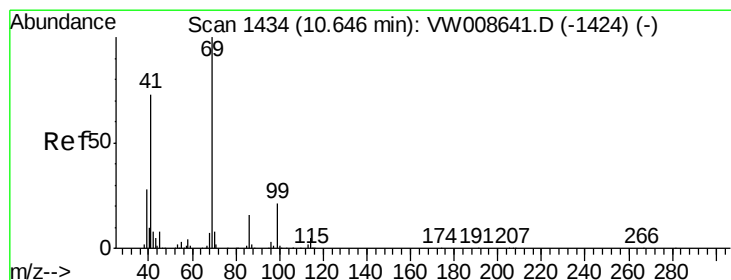
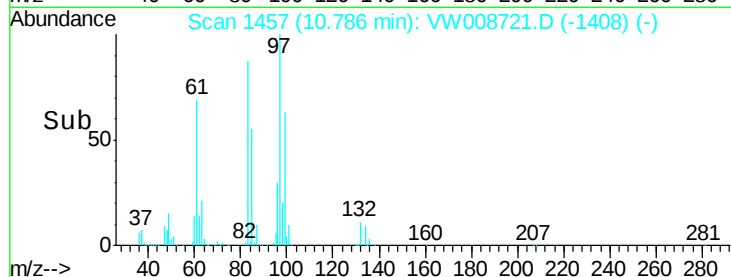
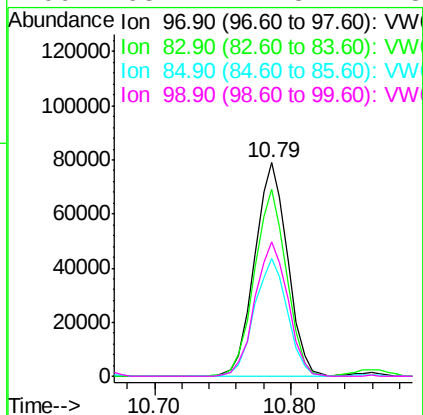
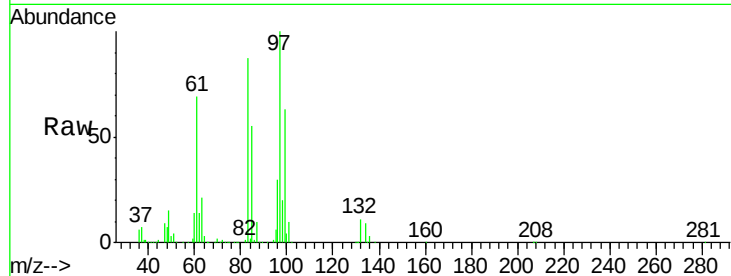
#55
 1,1,2-Trichloroethane
 Concen: 48.200 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	134211
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.4	102.6
85	55.0	43.1	64.7
99	63.1	47.8	71.8

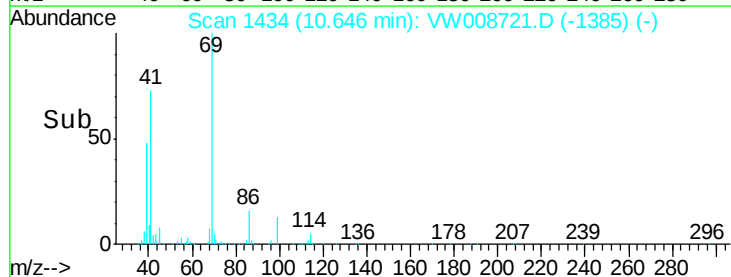
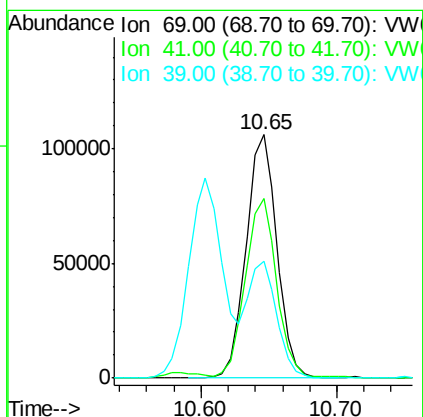
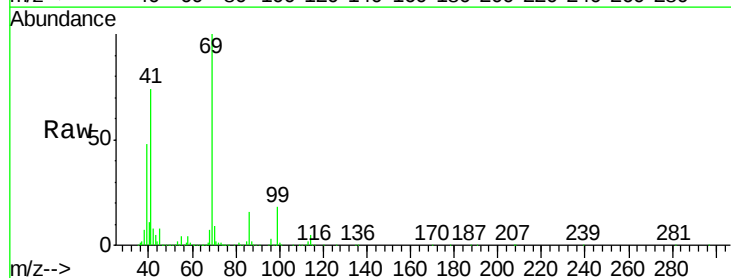
Manual Integrations
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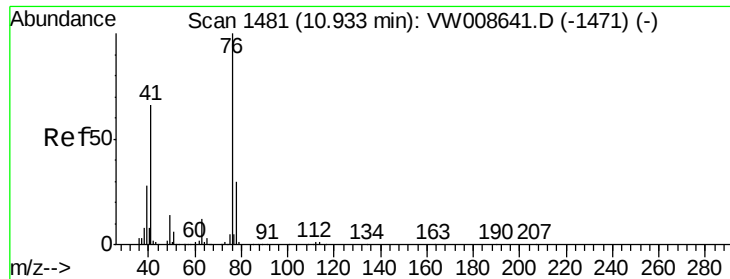
MMDadoda
 2/19/2019 11:12:32 AM



#56
 Ethyl methacrylate
 Concen: 45.575 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Tgt Ion:	69	Resp:	168508
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.0	88.4
39	44.3	34.4	51.6





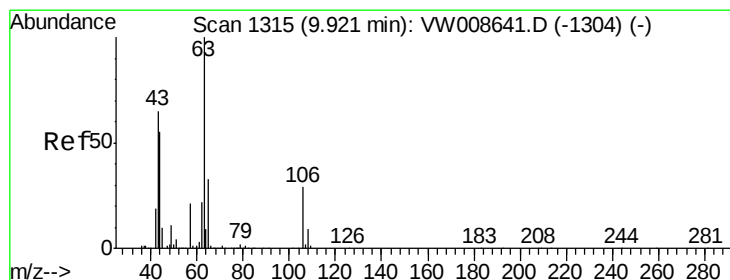
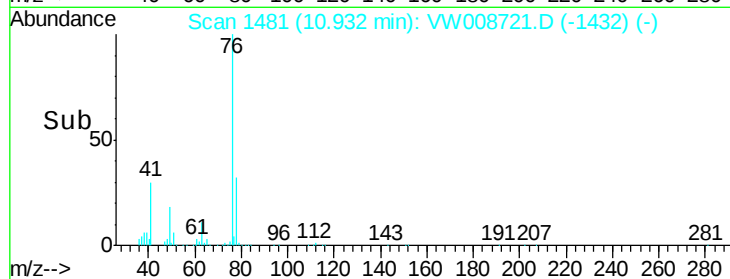
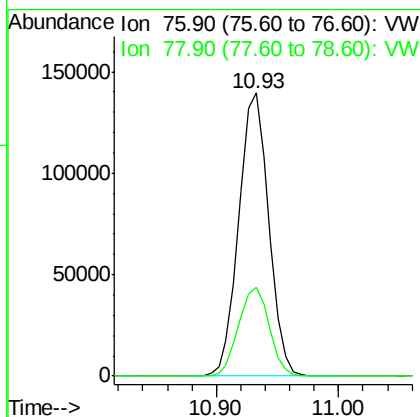
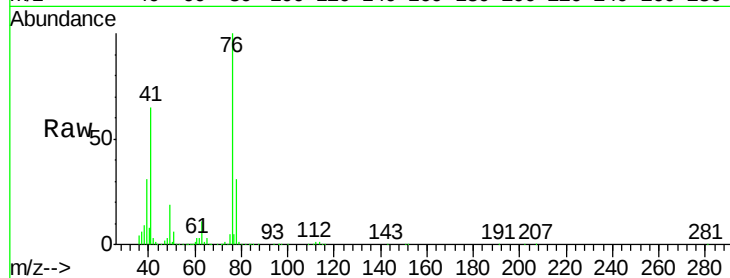
#57
 1,3-Dichloropropane
 Concen: 48.020 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.4	38.0

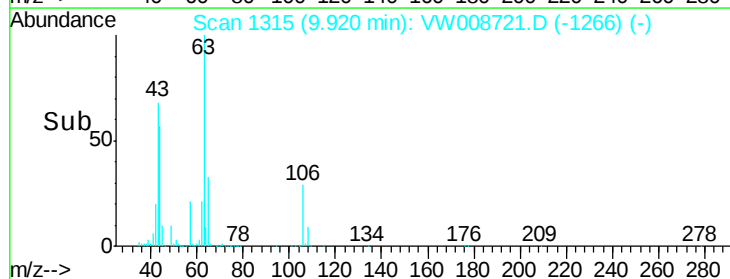
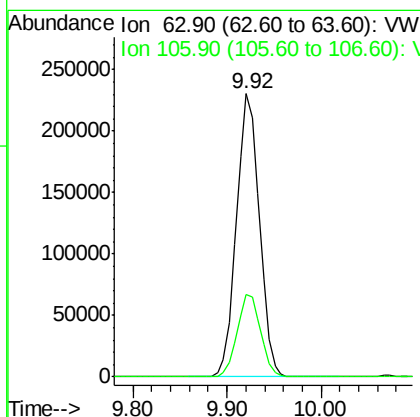
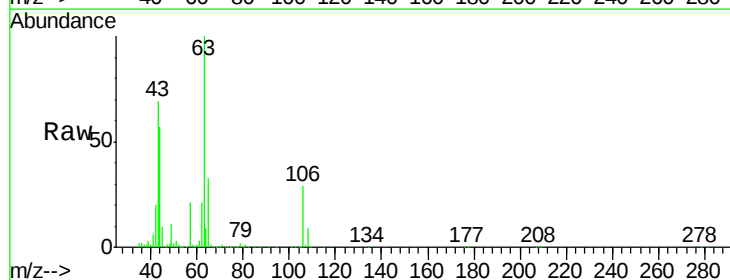
Manual Integrations
 APPROVED

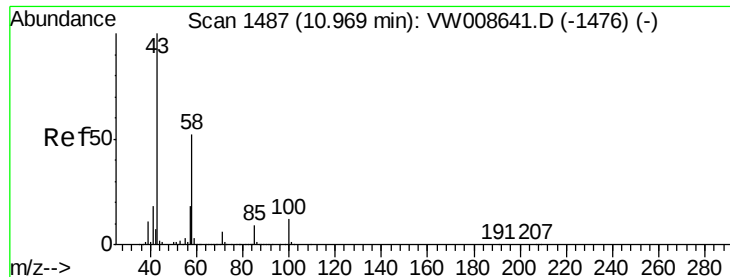
MMDadoda
 2/19/2019 11:12:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 219.967 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.4	35.2





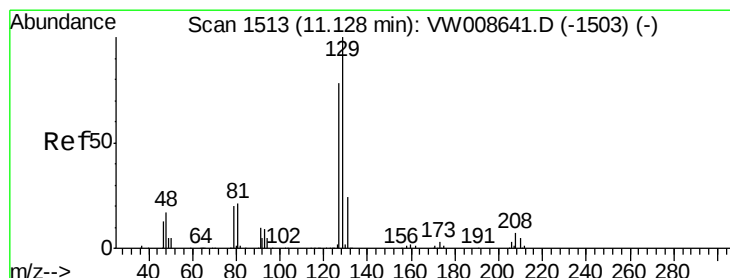
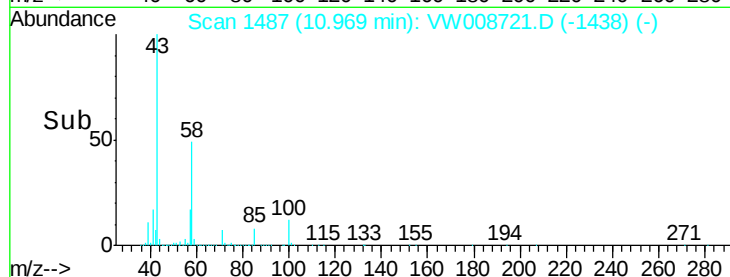
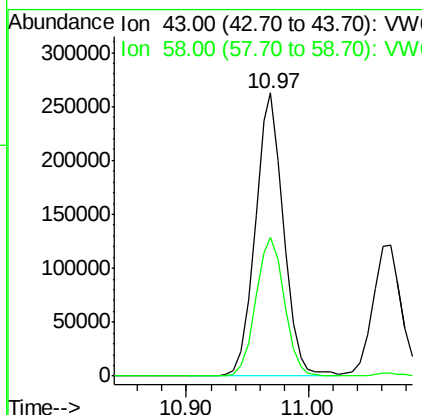
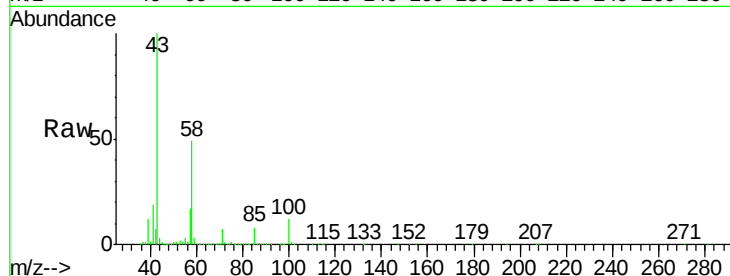
#59
2-Hexanone
Concen: 221.324 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 418719
Ion Ratio Lower Upper
43 100
58 50.0 25.6 76.6

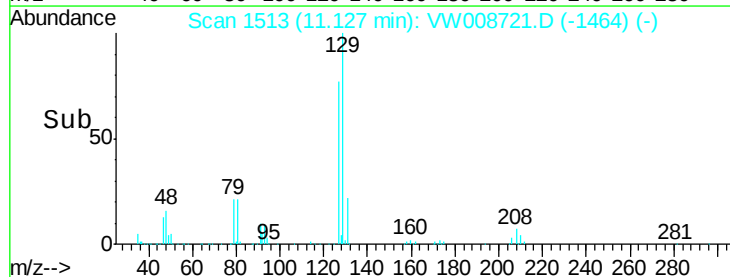
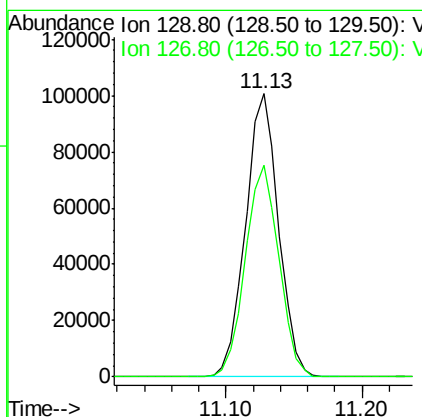
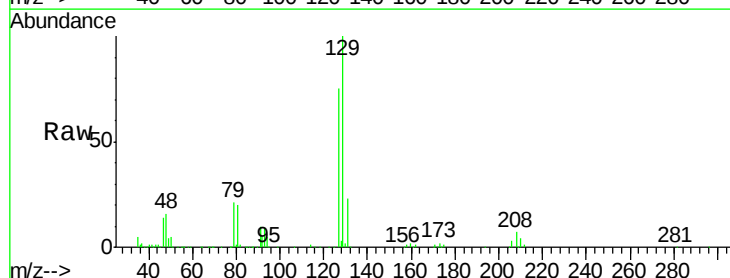
Manual Integrations
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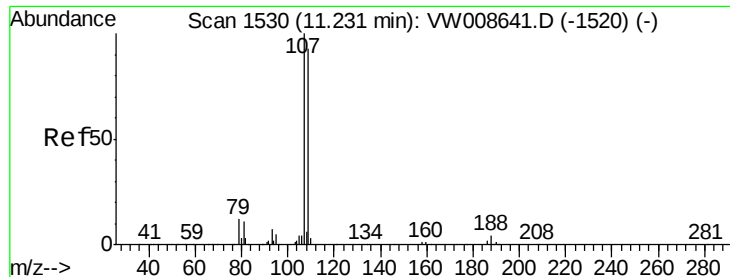
MMDadoda
2/19/2019 11:12:32 AM



#60
Dibromochloromethane
Concen: 51.360 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion: 129 Resp: 171115
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 48.276 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 132355

Ion Ratio Lower Upper

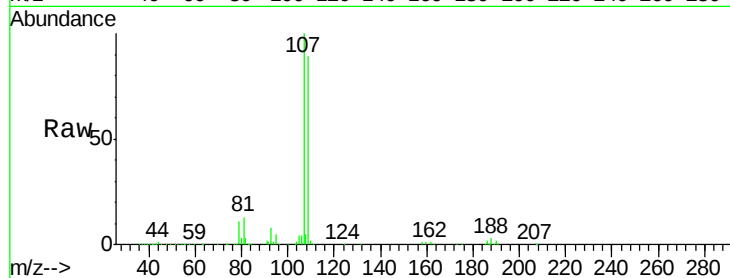
107 100

109 94.1 74.8 112.2

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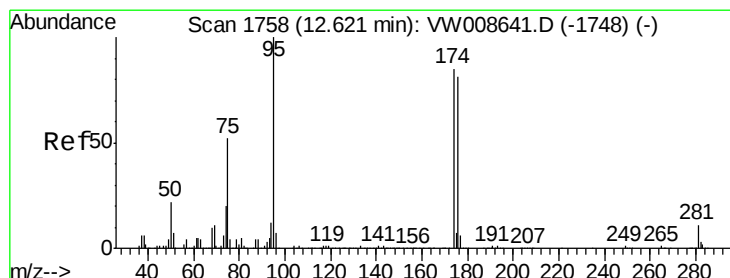
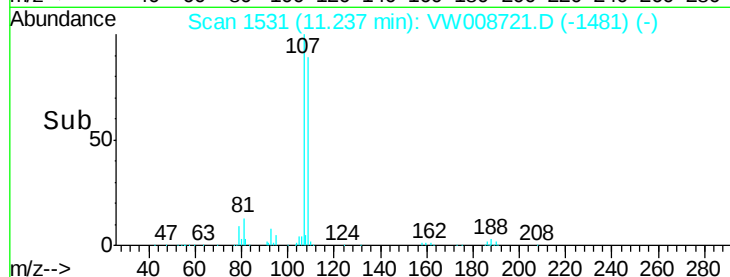
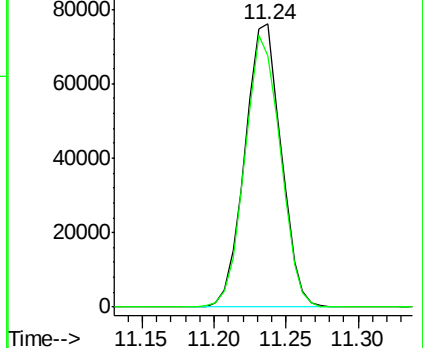
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.276 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

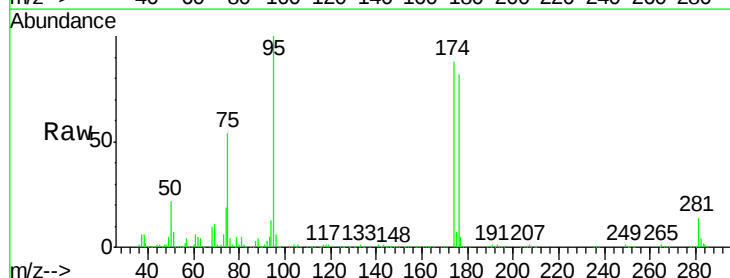
Tgt Ion: 95 Resp: 245909

Ion Ratio Lower Upper

95 100

174 84.5 0.0 163.2

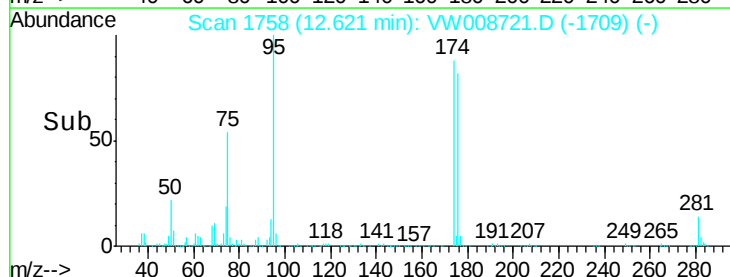
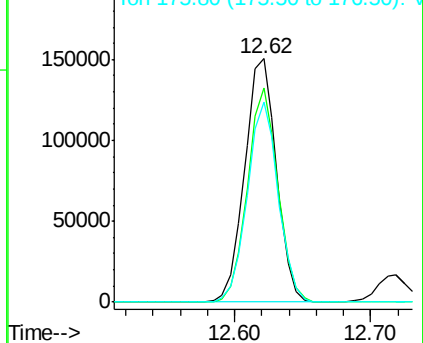
176 80.1 0.0 158.0

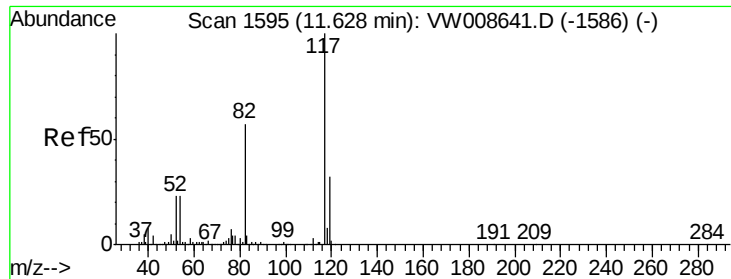


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





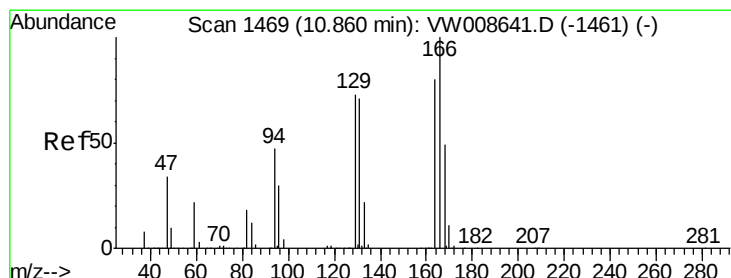
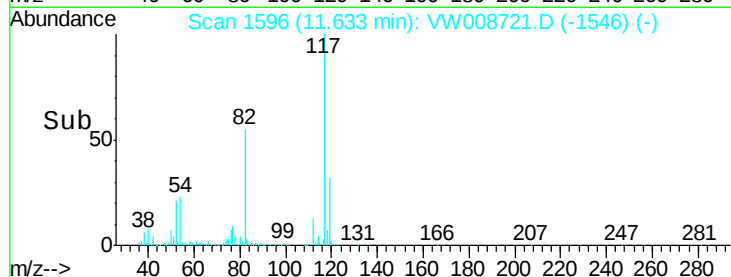
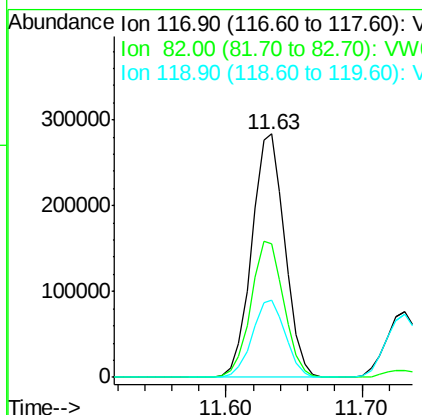
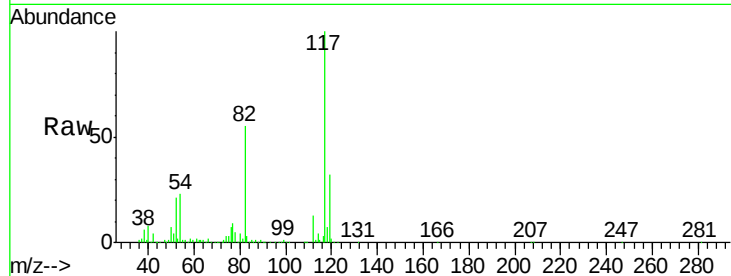
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	45.6	68.4
119	32.0	25.7	38.5

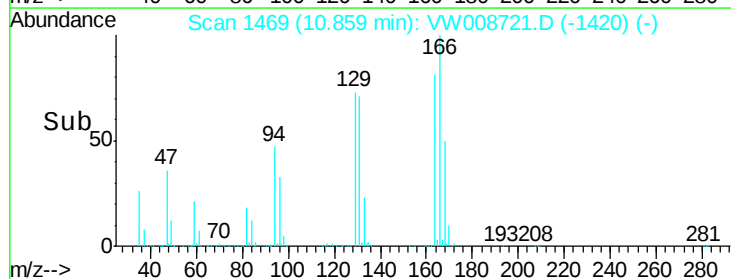
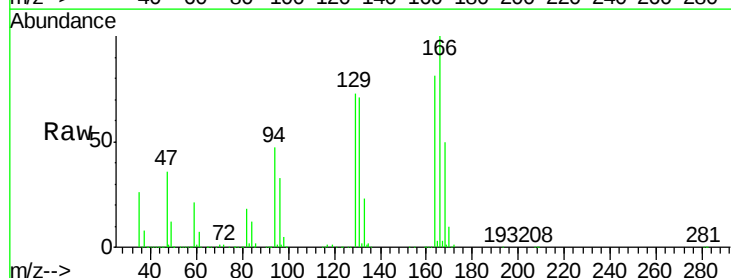
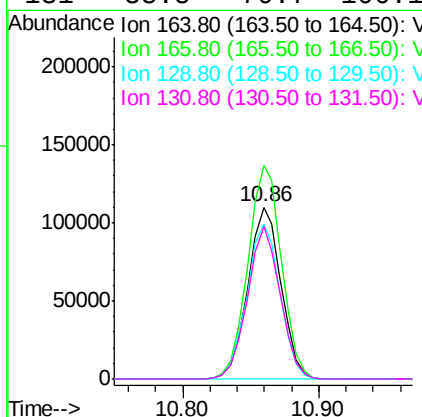
Manual Integrations
APPROVED

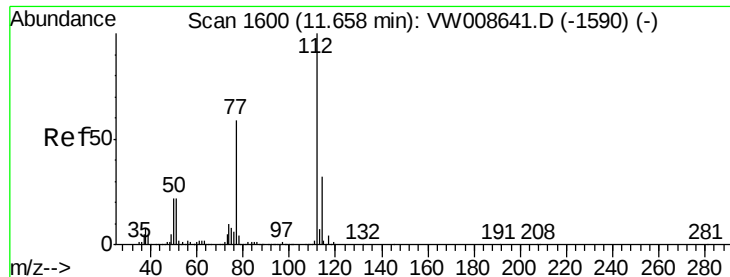
MMDadoda
2/19/2019 11:12:32 AM



#64
Tetrachloroethene
Concen: 52.449 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	100.2	150.2
129	90.3	73.6	110.4
131	88.5	70.7	106.1





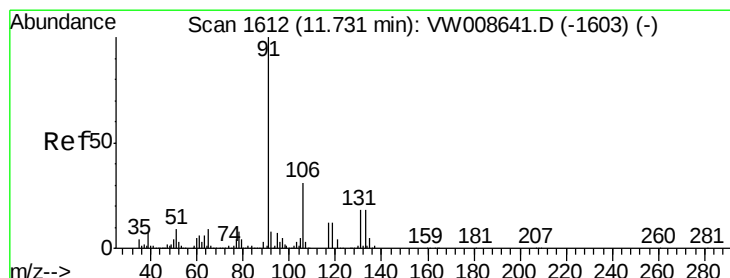
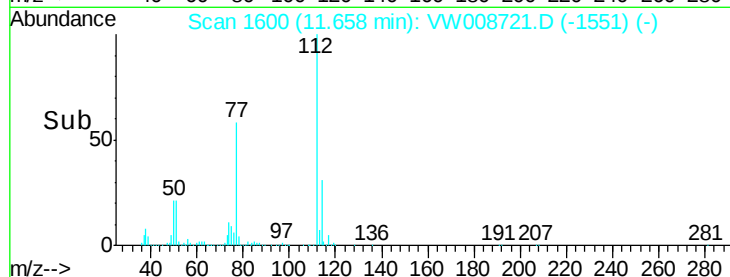
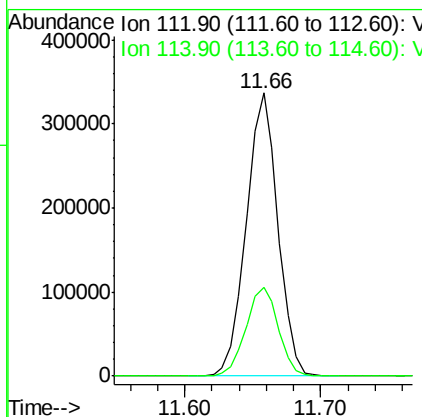
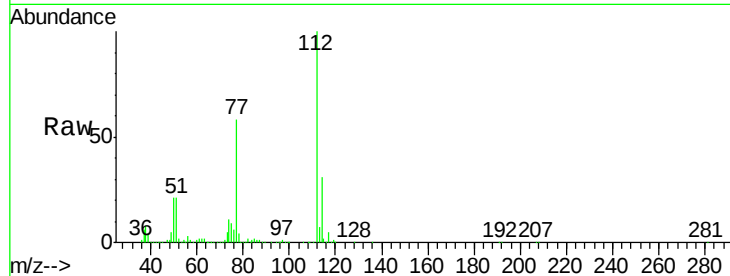
#65
Chlorobenzene
Concen: 52.638 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.7	38.5

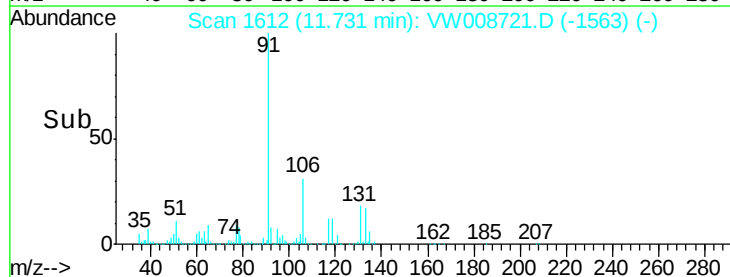
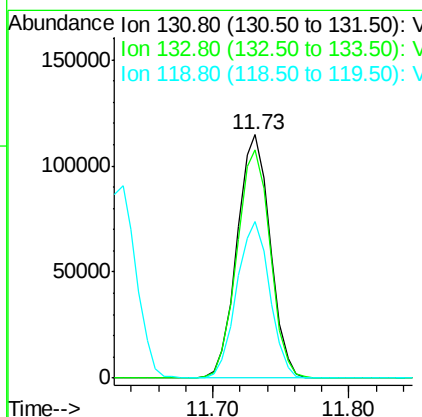
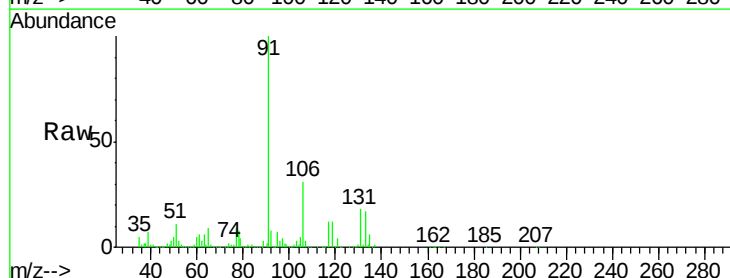
Manual Integrations
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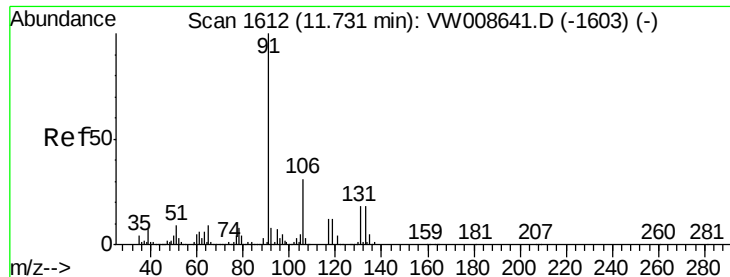
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.929 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.8	143.4
119	64.0	31.6	94.8





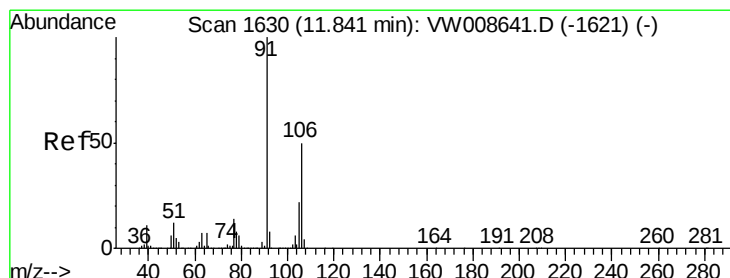
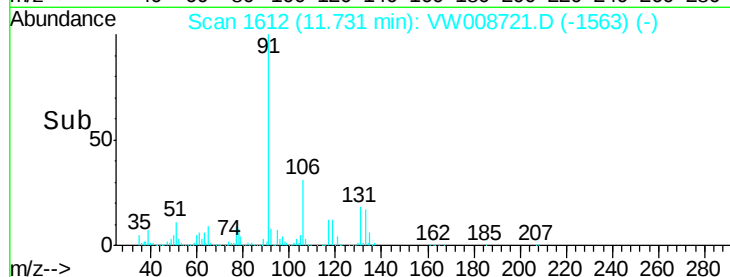
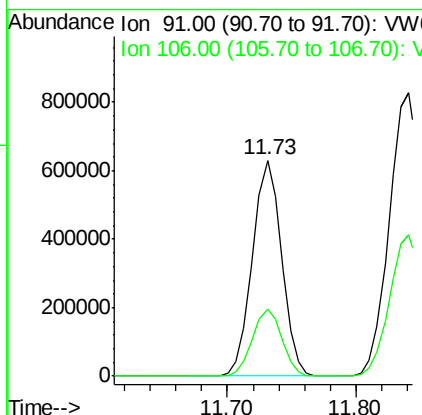
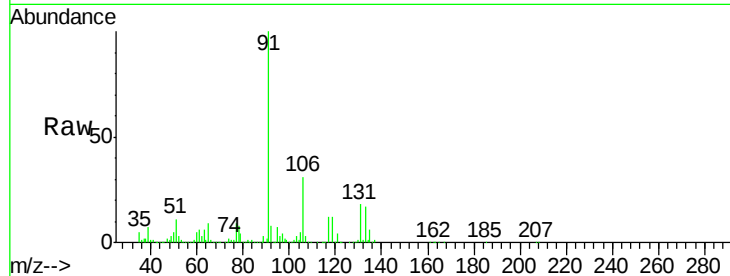
#67
Ethyl Benzene
Concen: 53.017 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.1	24.5	36.7	

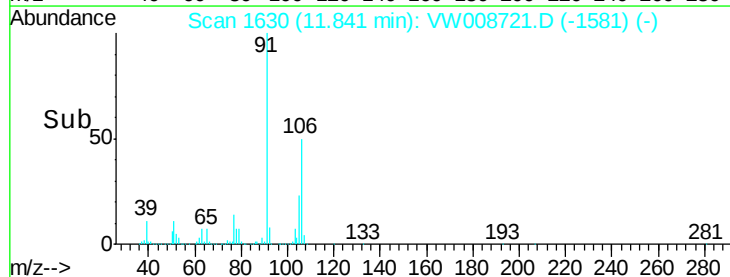
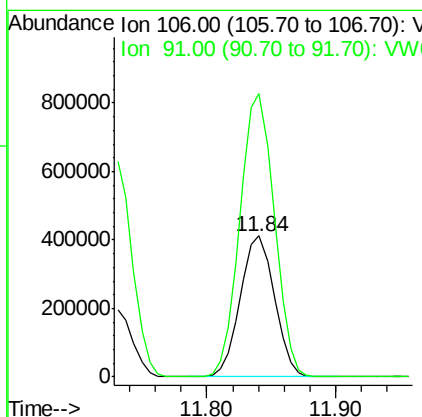
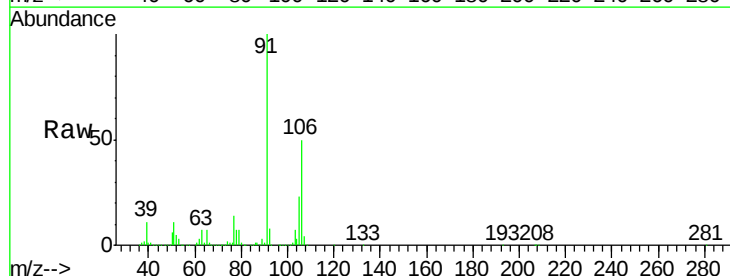
Manual Integrations
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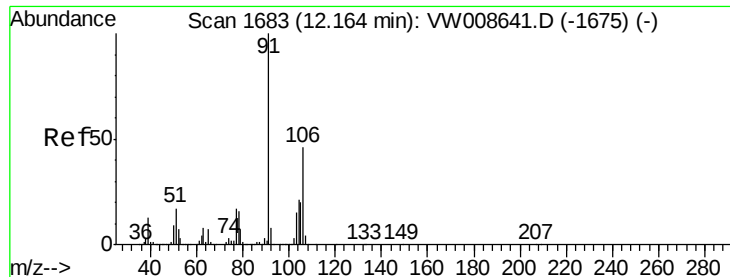
MMDadoda
2/19/2019 11:12:32 AM



#68
m/p-Xylenes
Concen: 105.101 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	202.2	161.0	241.4	





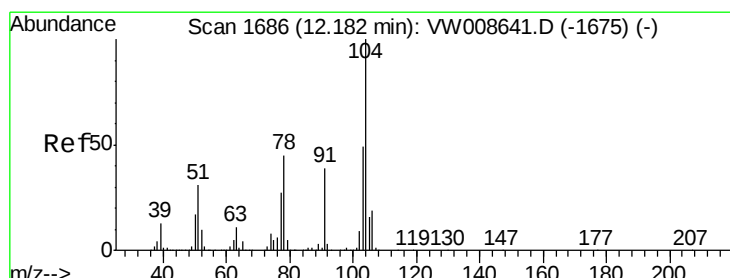
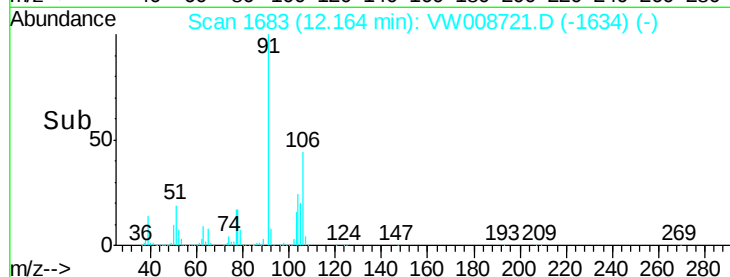
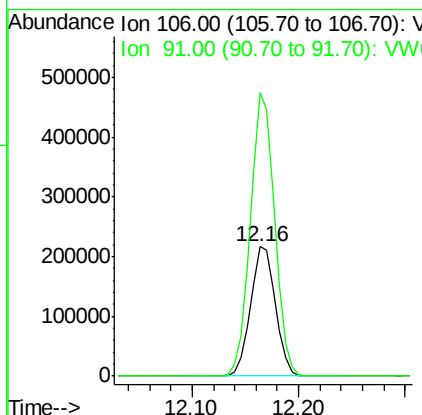
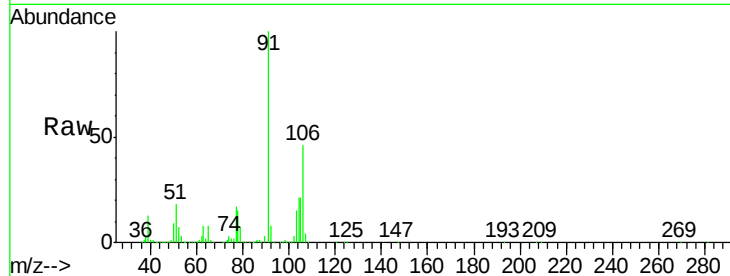
#69
o-Xylene
Concen: 52.037 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 354143
Ion Ratio Lower Upper
106 100
91 214.5 106.7 320.1

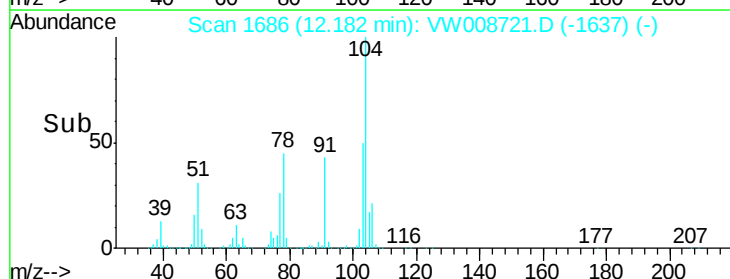
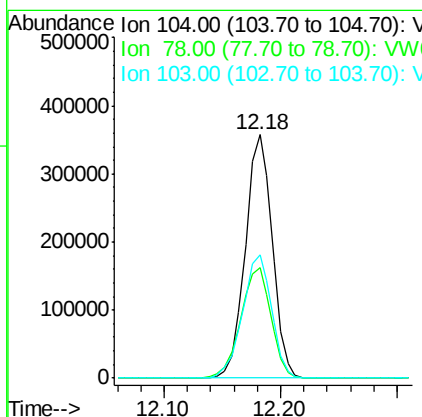
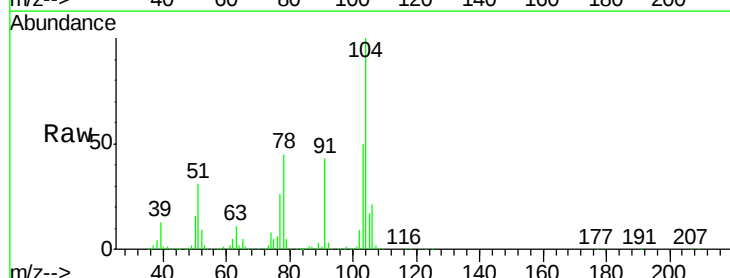
Manual Integrations
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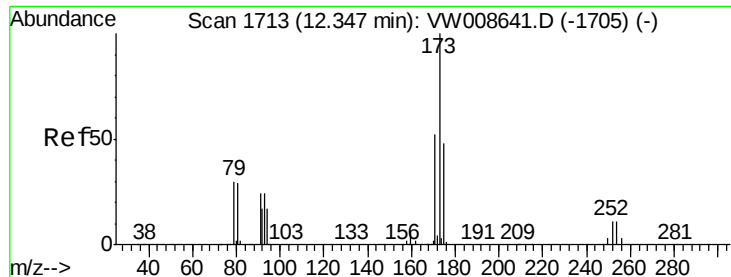
MMDadoda
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#70
Styrene
Concen: 52.107 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion:104 Resp: 579215
Ion Ratio Lower Upper
104 100
78 50.7 41.5 62.3
103 54.6 43.5 65.3





#71

Bromoform

Concen: 49.419 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 97989

Ion Ratio Lower Upper

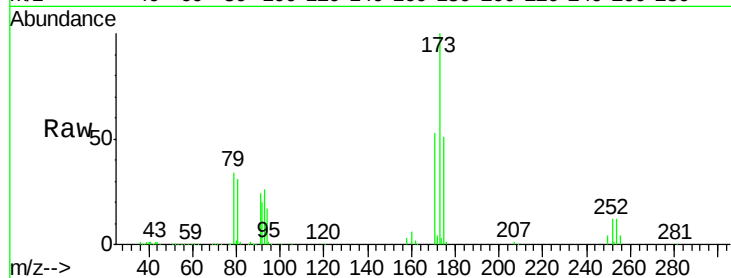
173 100

175 50.1 24.9 74.7

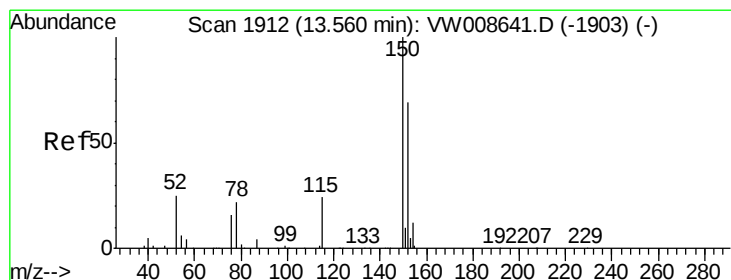
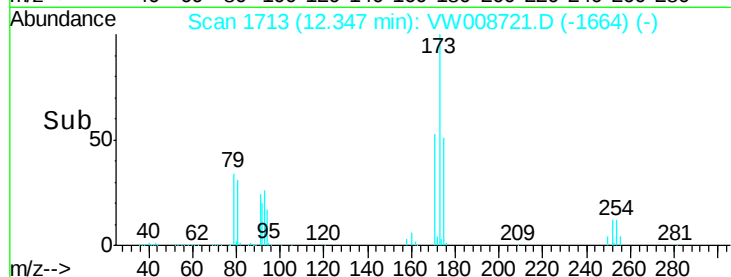
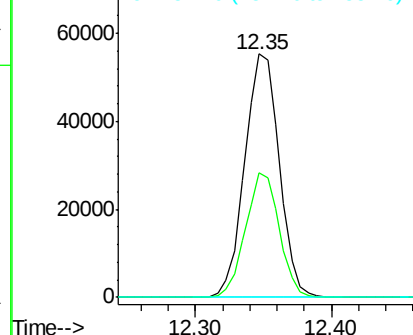
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

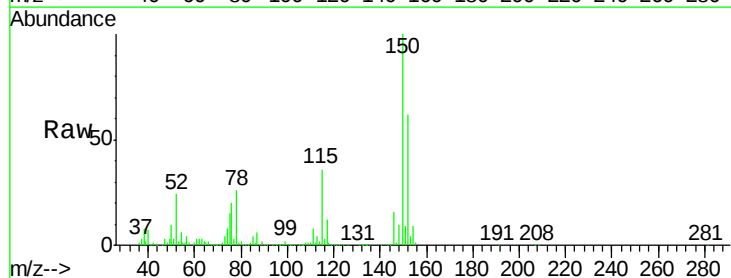
Tgt Ion:152 Resp: 252613

Ion Ratio Lower Upper

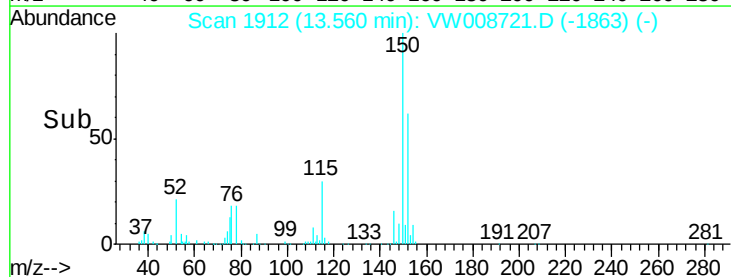
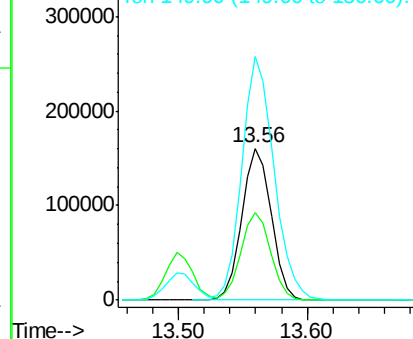
152 100

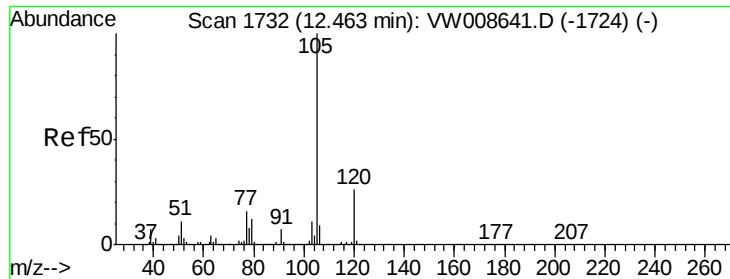
115 58.4 29.3 87.8

150 176.3 0.0 352.8



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





#73

Isopropylbenzene

Concen: 52.685 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 991360

Ion Ratio Lower Upper

105 100

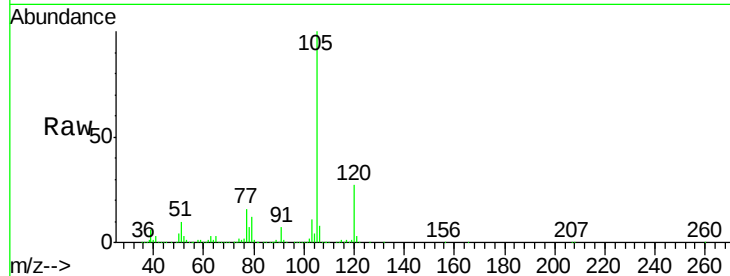
120 27.0 13.2 39.6

Manual Integrations

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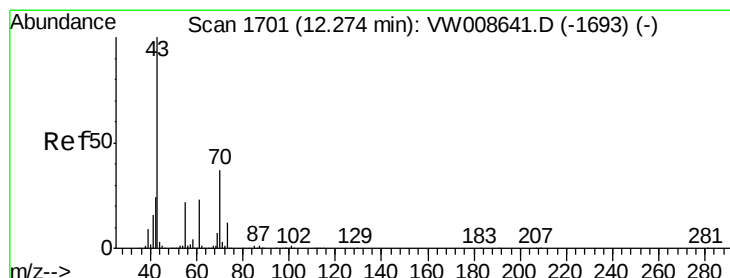
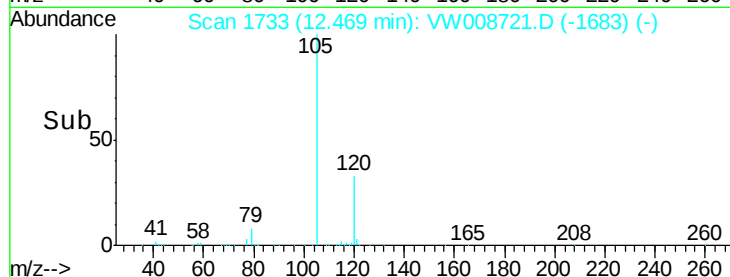
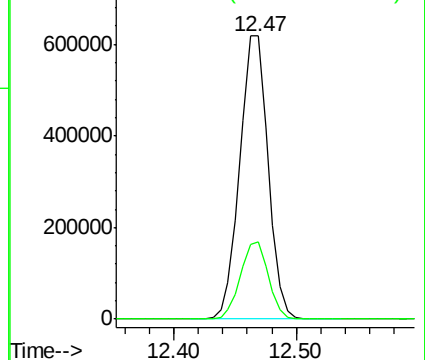
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.005 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Tgt Ion: 43 Resp: 229004

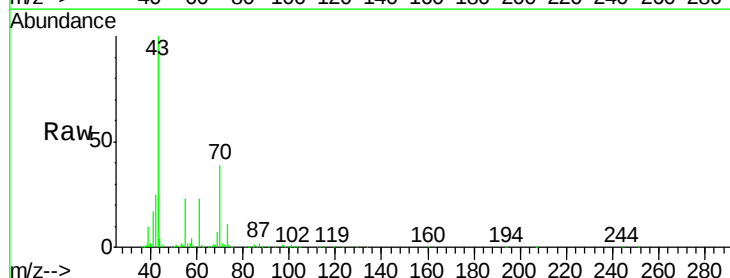
Ion Ratio Lower Upper

43 100

70 38.1 30.5 45.7

55 22.8 17.6 26.4

61 22.6 17.9 26.9

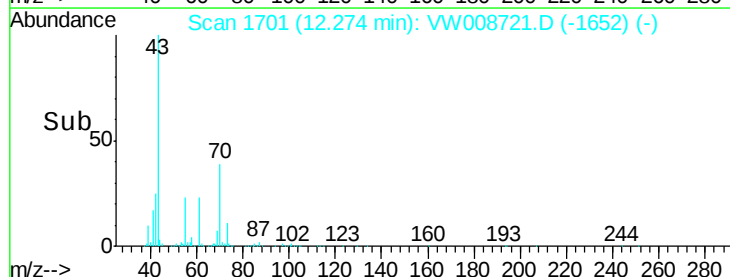
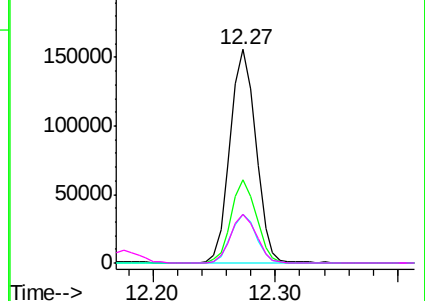


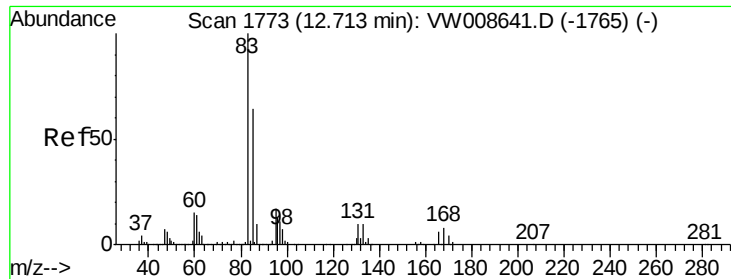
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 46.488 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

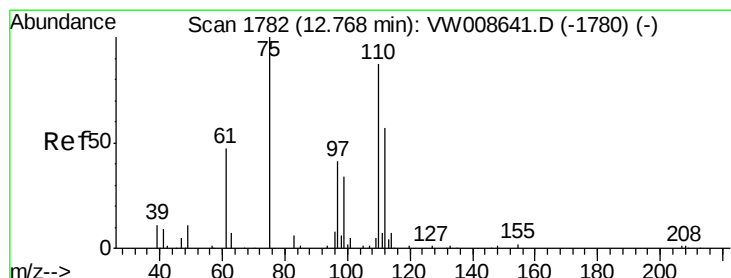
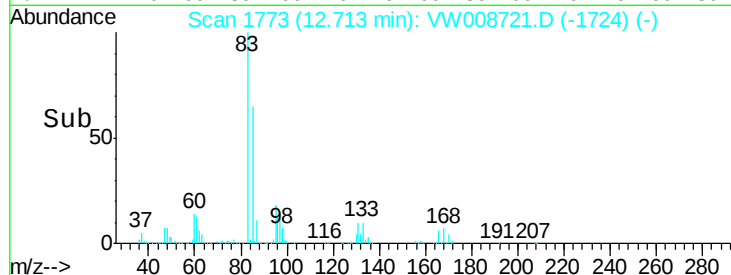
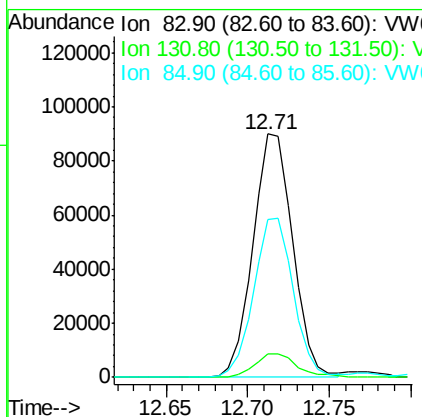
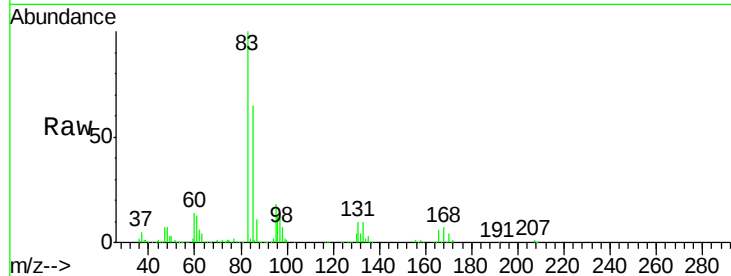
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	152193
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.7
85	65.0	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.286 ug/l m

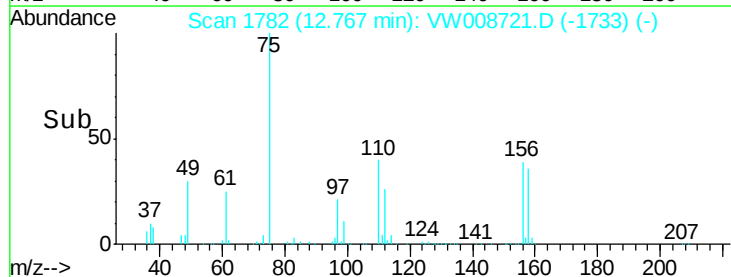
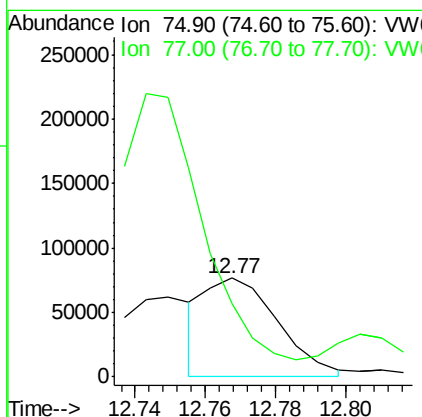
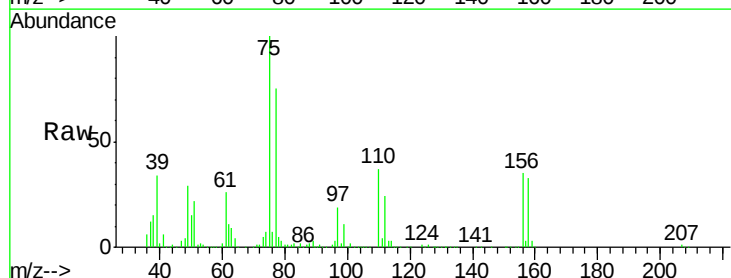
RT: 12.77 min Scan# 1782

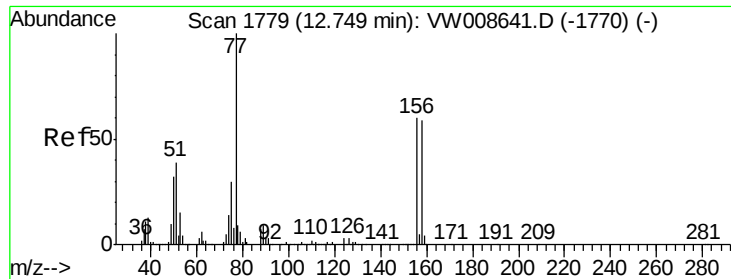
Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Tgt Ion:	75	Resp:	110467
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





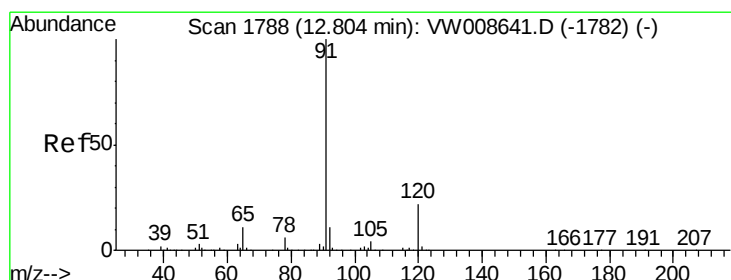
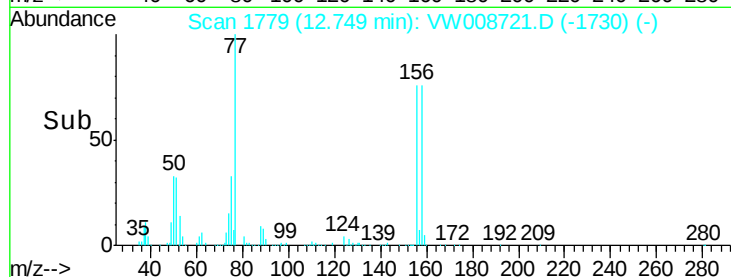
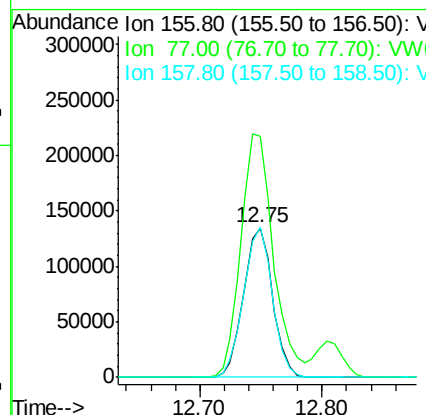
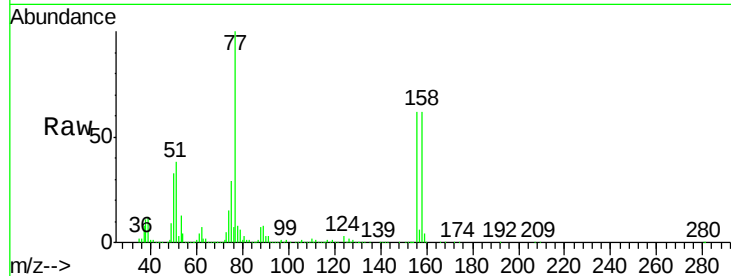
#77
Bromobenzene
Concen: 51.244 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.9	93.2	279.5
158	99.5	48.5	145.5

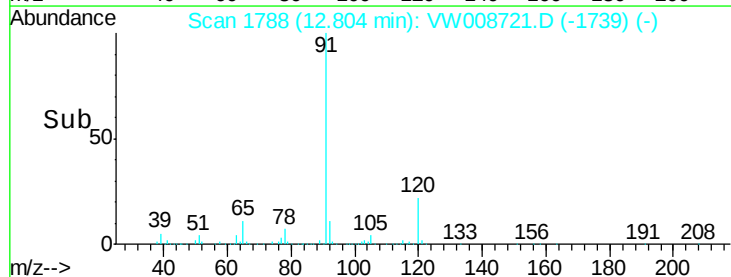
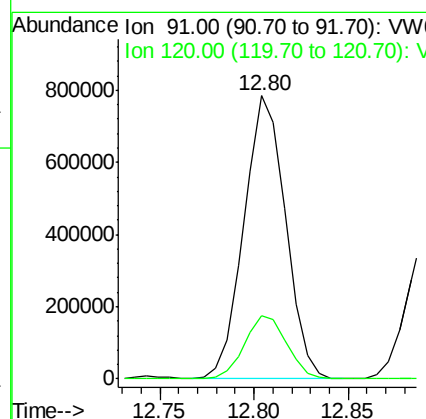
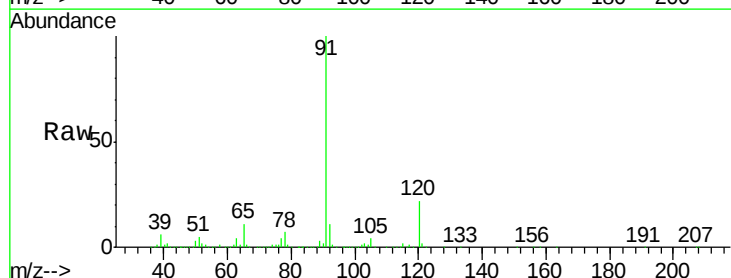
Manual Integrations
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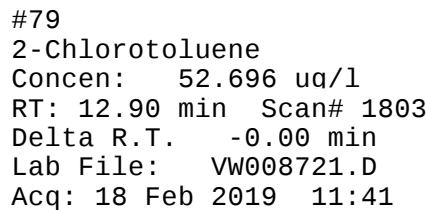
MMDadoda
2/19/2019 11:12:32 AM



#78
n-propylbenzene
Concen: 53.701 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.2

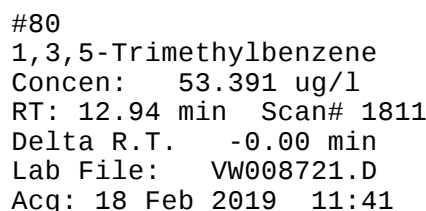
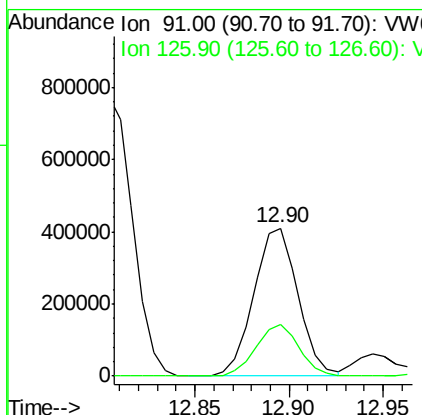
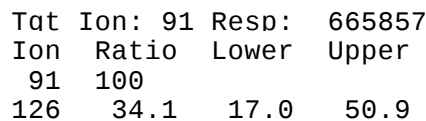




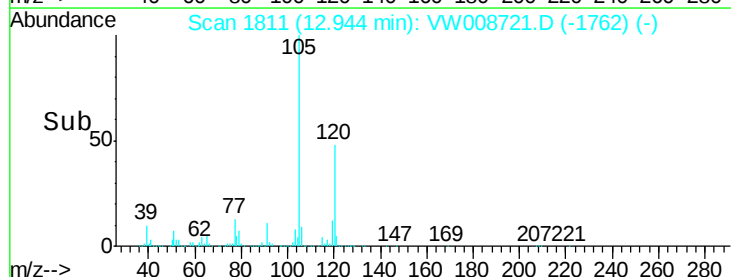
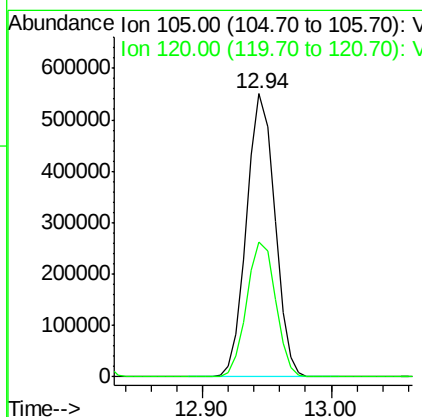
Instrument : MSVOA_W
ClientSampleId : VSTDCCC050

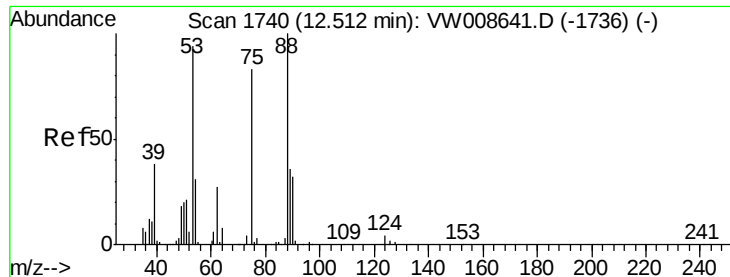
Manual Integrations
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Tgt	Ion:105	Resp:	834461
Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.6	73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.721 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

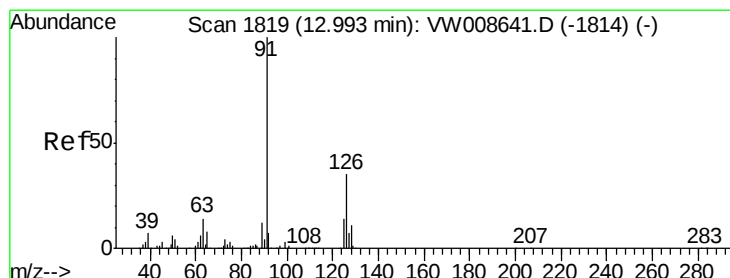
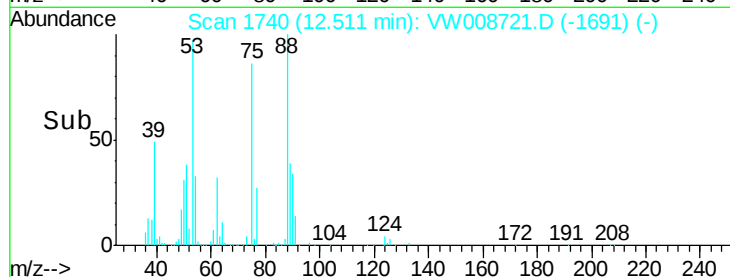
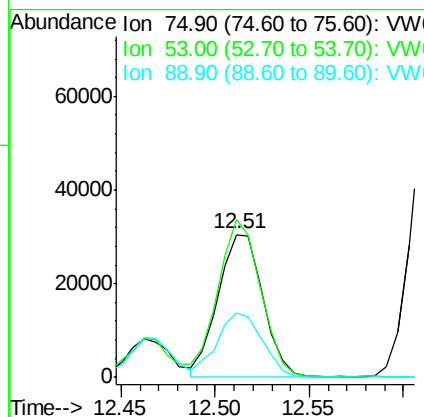
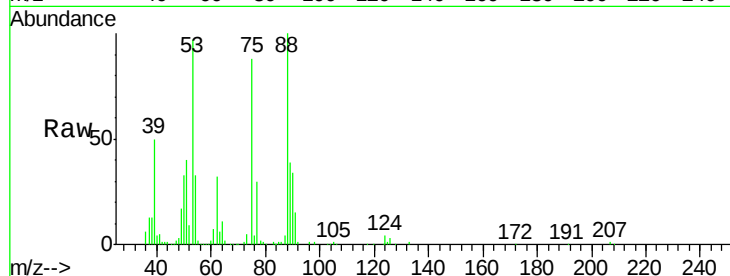
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	50279
Ion	Ratio	Lower	Upper
75	100		
53	104.5	87.4	131.0
89	46.1	37.0	55.4

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#82

4-Chlorotoluene

Concen: 51.910 ug/l

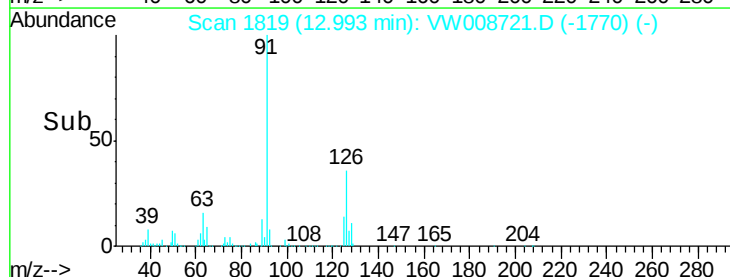
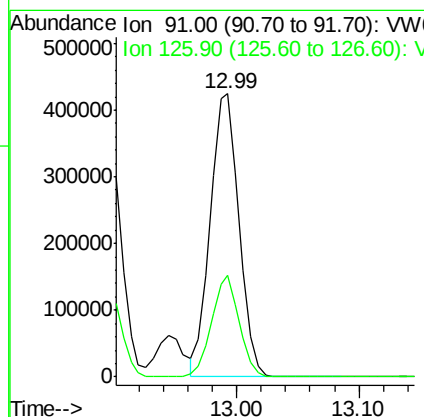
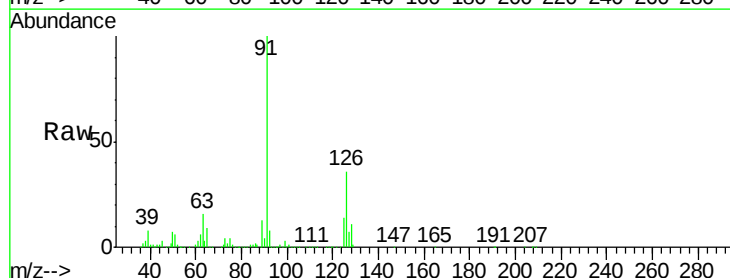
RT: 12.99 min Scan# 1819

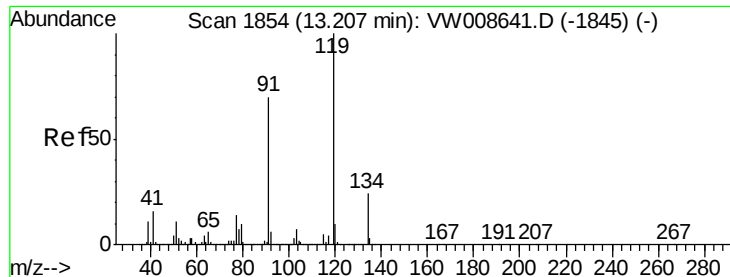
Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Tgt Ion:	91	Resp:	695126
Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.9	50.7





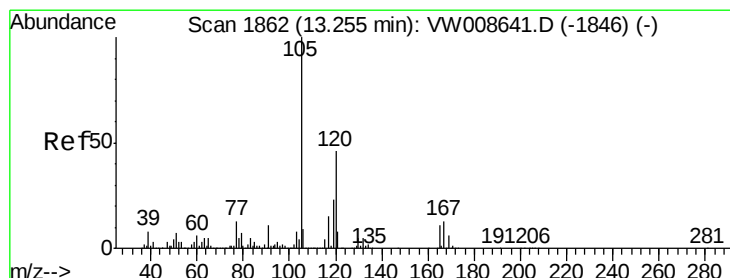
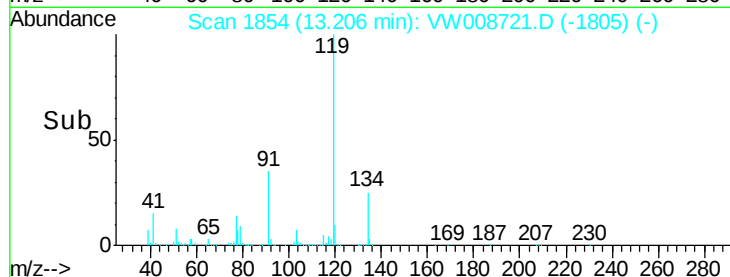
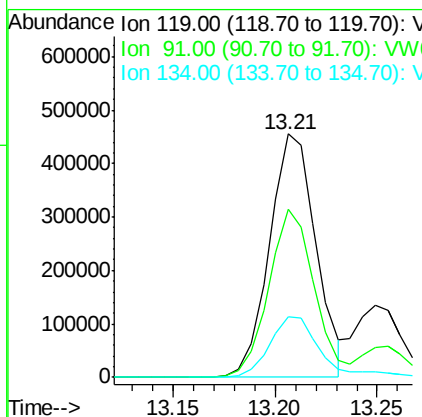
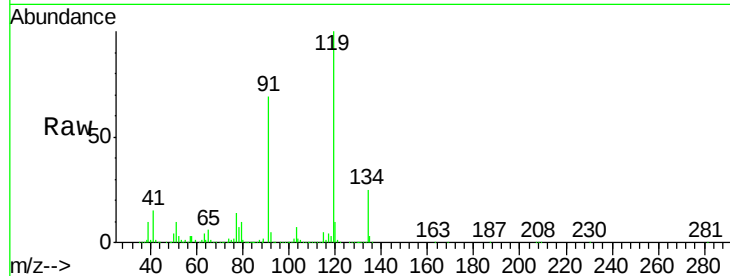
#83
tert-Butylbenzene
Concen: 53.331 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.0	102.0
134	27.4	13.6	40.8

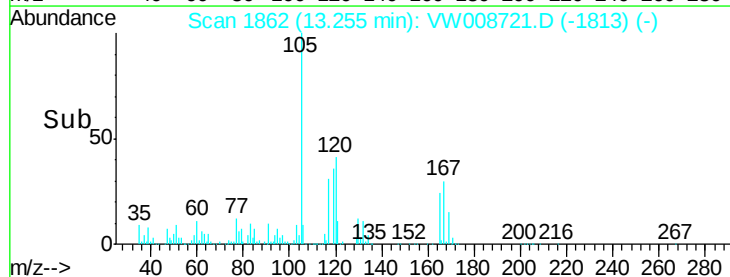
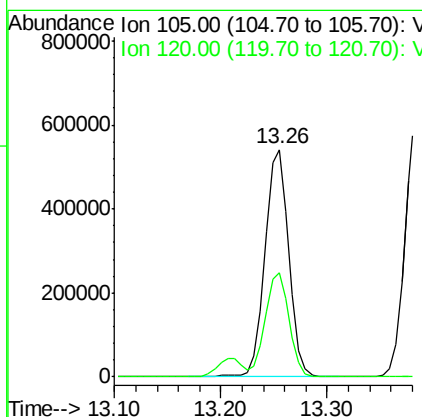
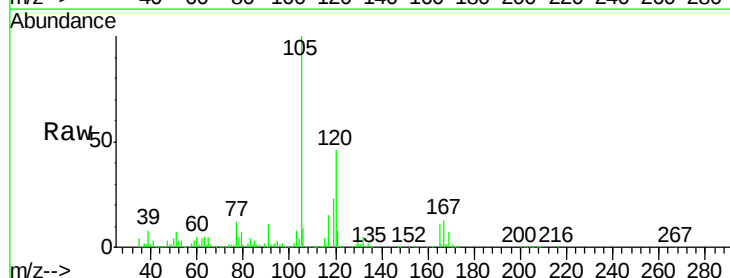
Manual Integrations
APPROVED

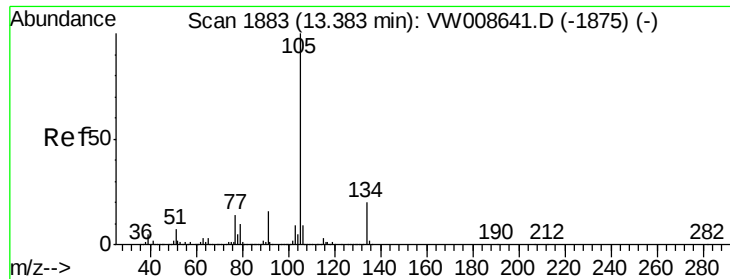
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.580 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 53.424 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1055694

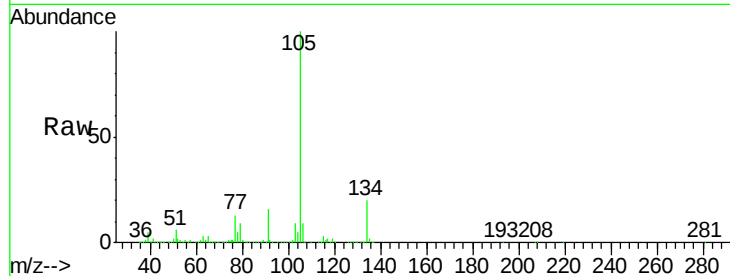
Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

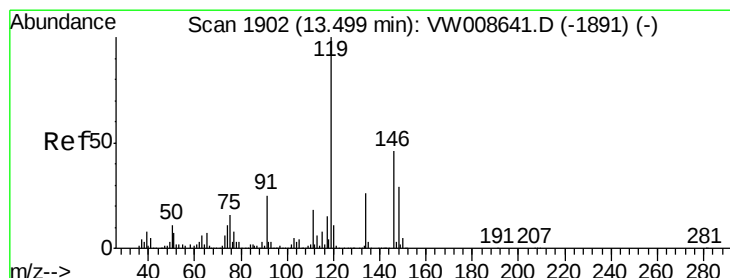
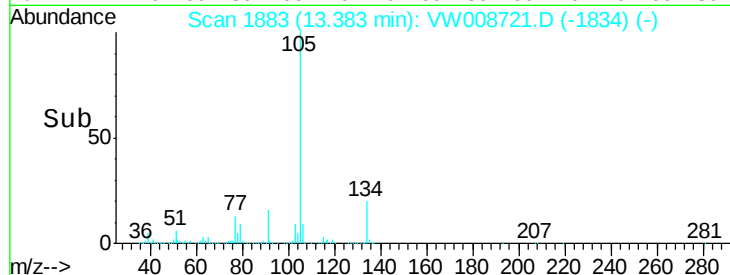
600000

400000

200000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 53.255 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

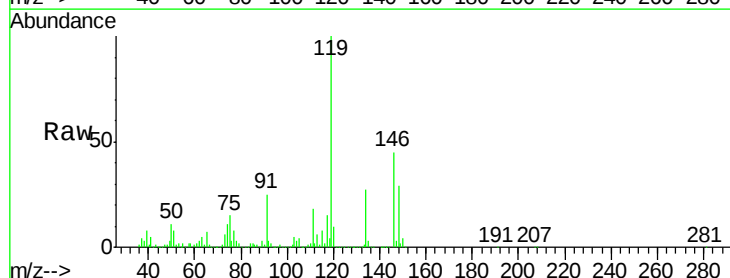
Tgt Ion:119 Resp: 941433

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

91 24.3 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

800000

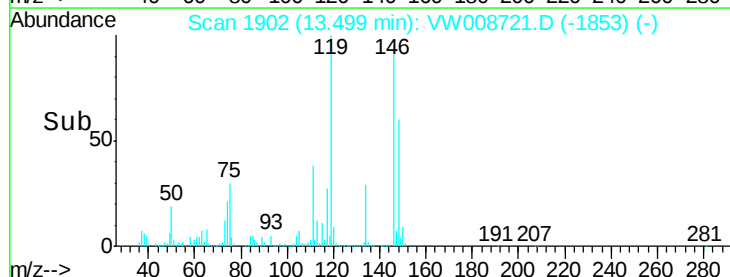
600000

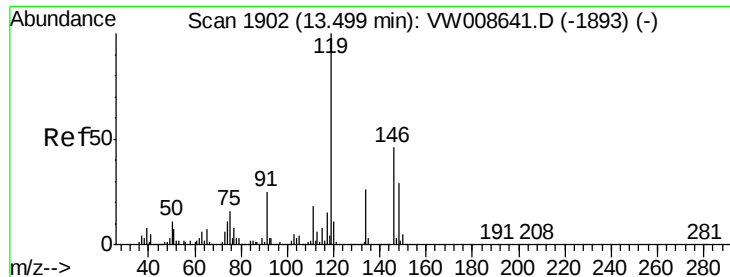
400000

200000

0

Time--> 13.40 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 51.811 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

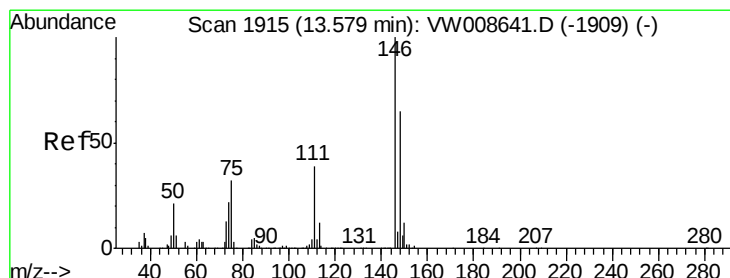
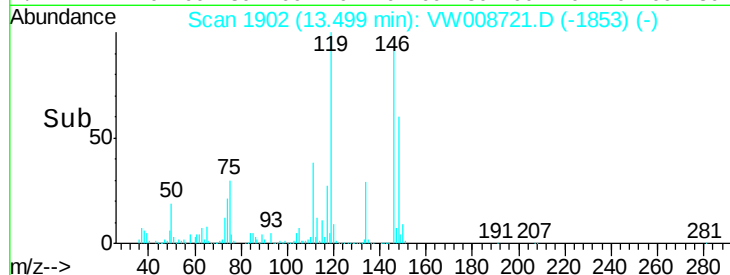
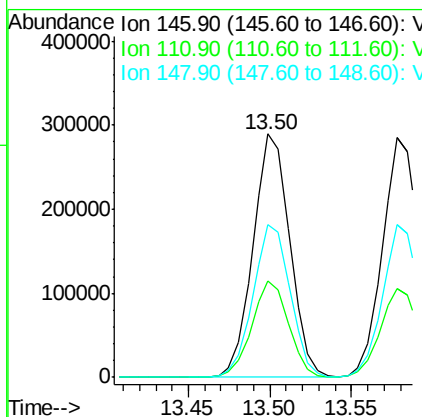
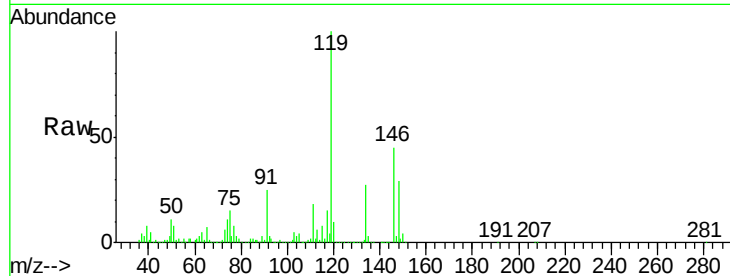
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	454302		
111	39.5	19.4	58.1	
148	63.5	31.6	94.8	

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#88

1,4-Dichlorobenzene

Concen: 51.975 ug/l

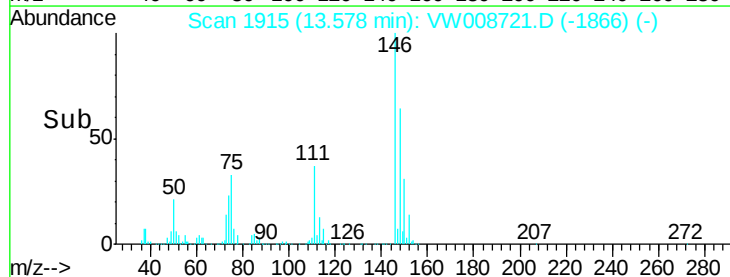
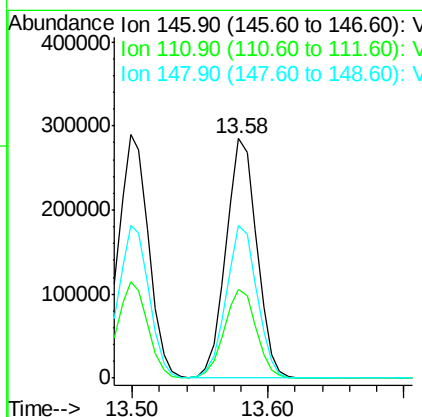
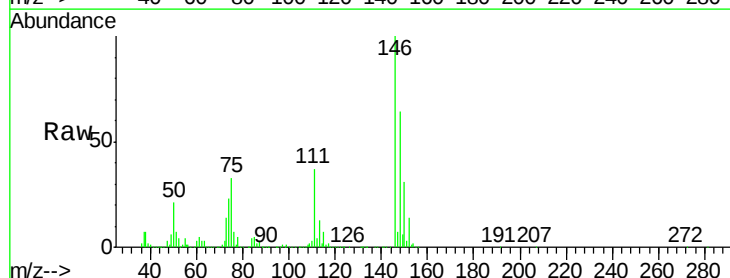
RT: 13.58 min Scan# 1915

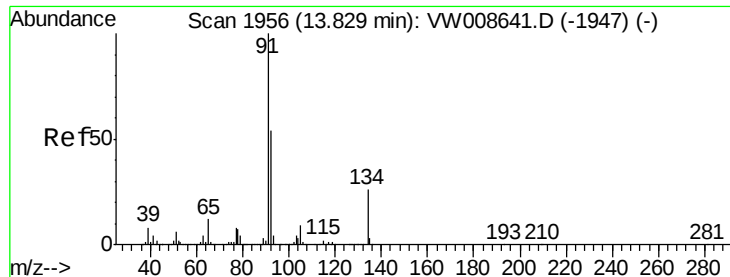
Delta R.T. -0.00 min

Lab File: VW008721.D

Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	449151		
111	38.3	19.4	58.1	
148	63.8	31.8	95.4	





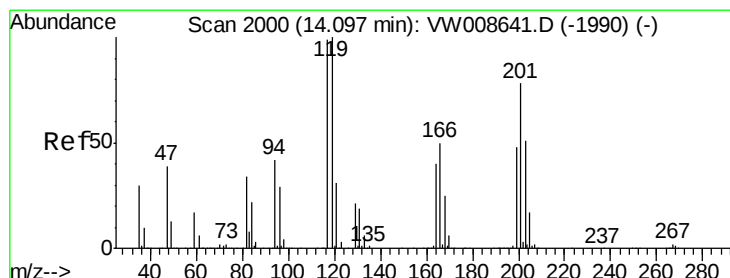
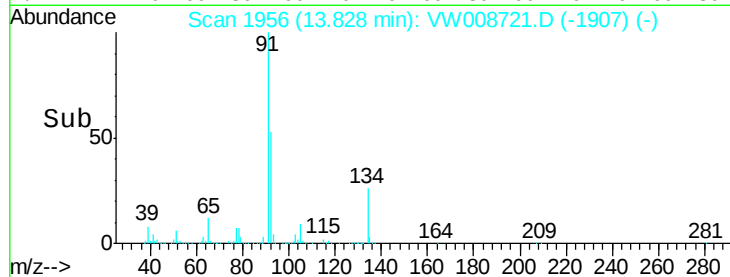
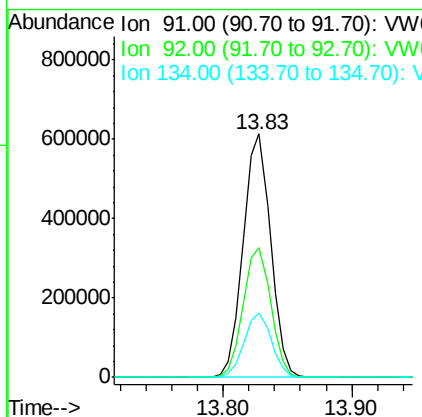
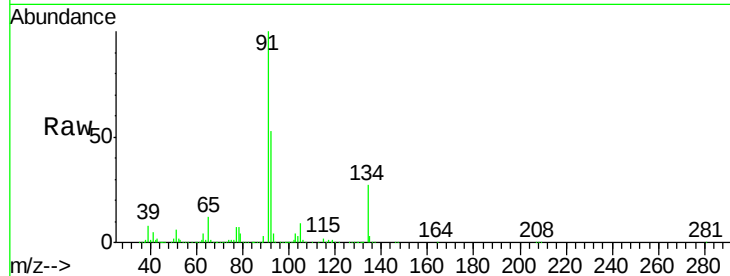
#89
n-Butylbenzene
Concen: 53.582 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	26.3	13.0	39.0

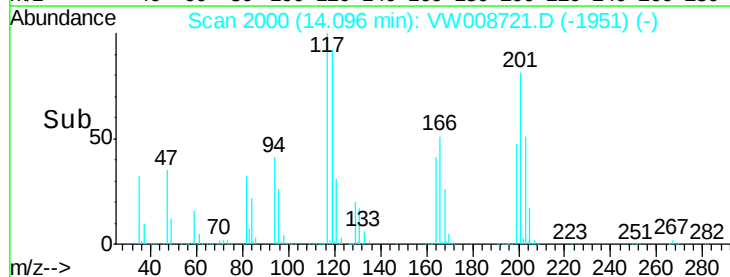
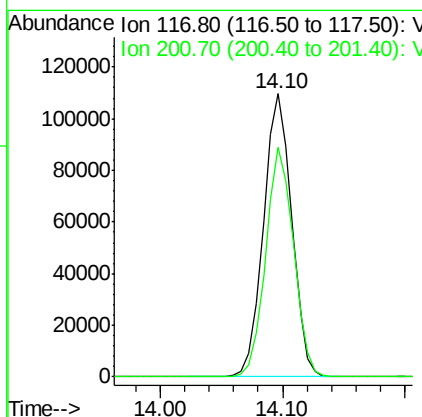
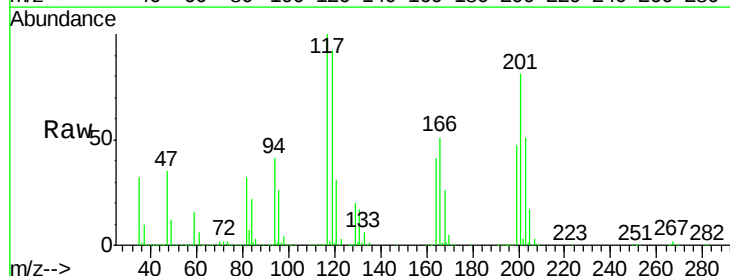
Manual Integrations
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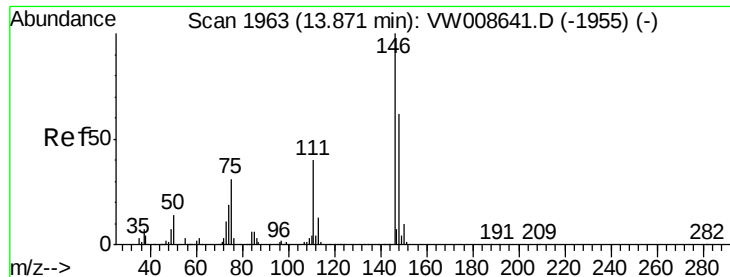
MMDadoda
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#90
Hexachloroethane
Concen: 57.025 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	38.7	116.1





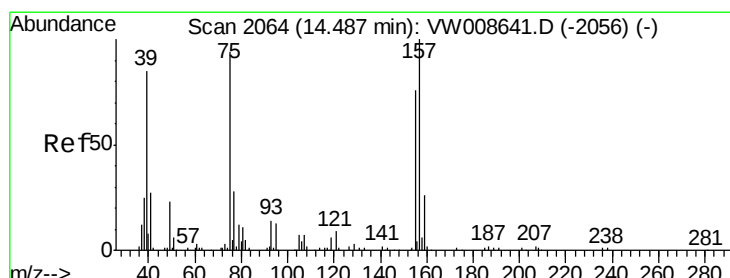
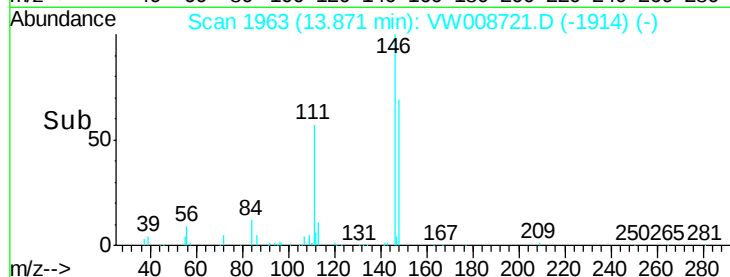
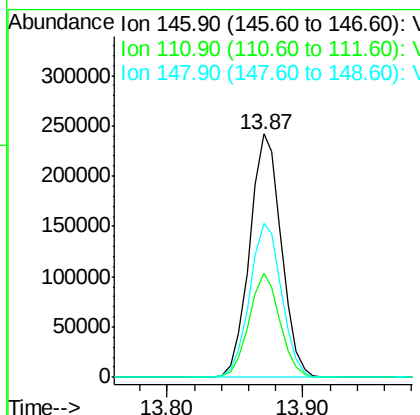
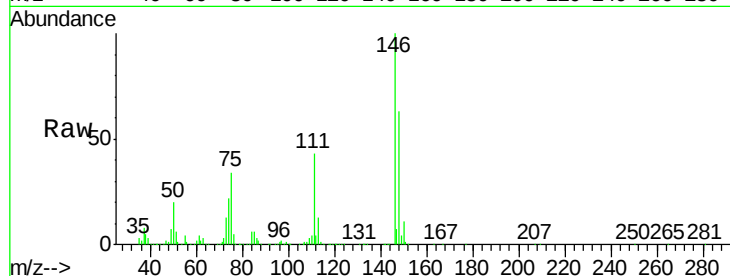
#91
 1,2-Dichlorobenzene
 Concen: 50.643 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.5
148	64.1	31.6	94.8

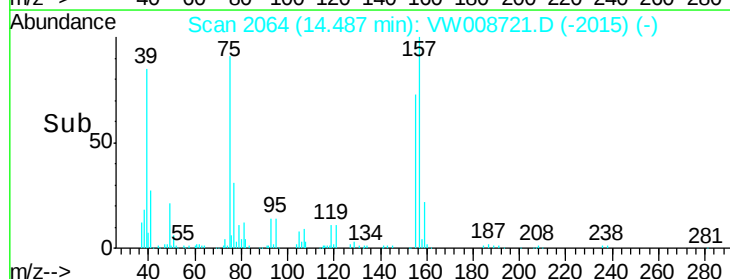
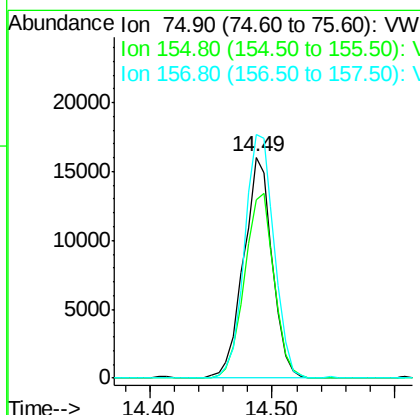
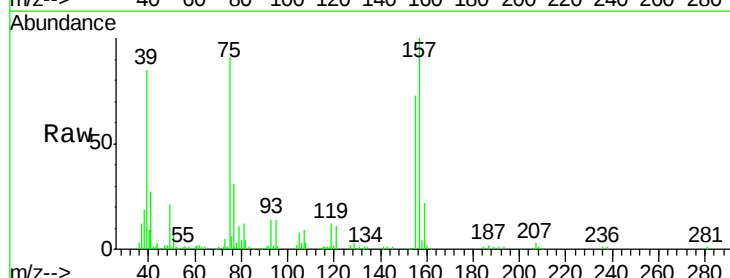
Manual Integrations
 APPROVED

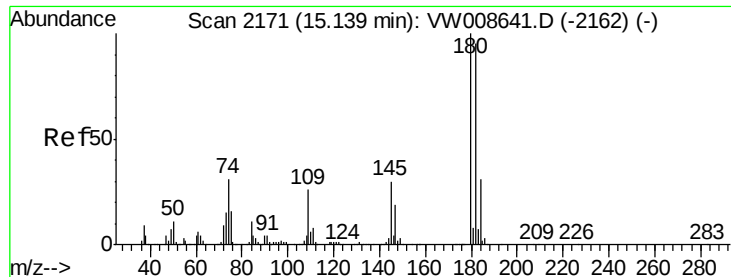
MMDadoda
 2/19/2019 11:12:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.708 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008721.D
 Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	41.8	125.4
157	113.6	53.8	161.4





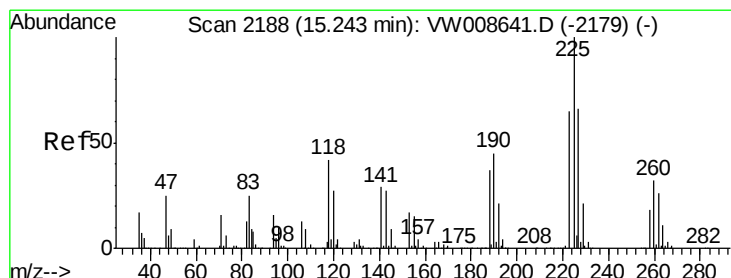
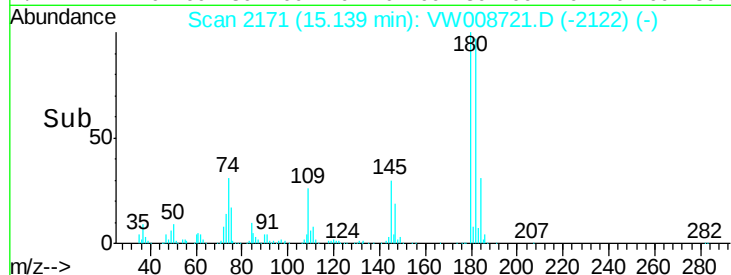
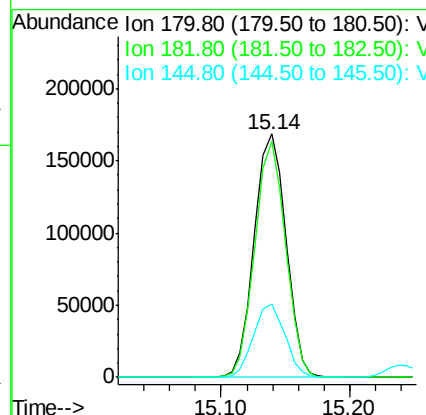
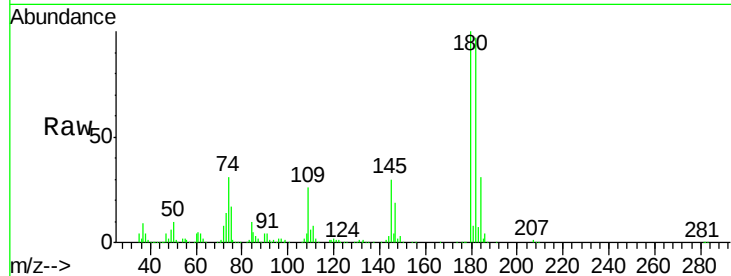
#93
1,2,4-Trichlorobenzene
Concen: 51.945 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	287259		
182	93.6	47.5	142.5	
145	30.0	15.1	45.3	

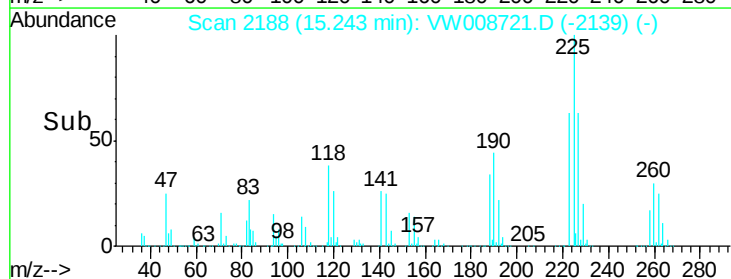
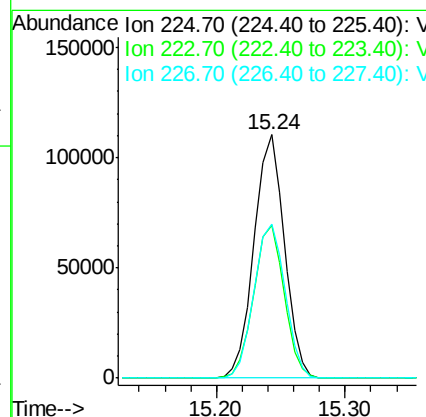
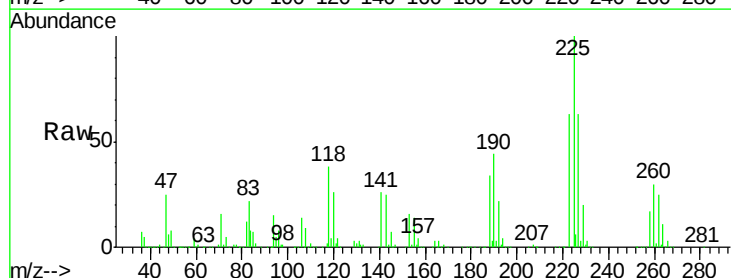
Manual Integrations
APPROVED

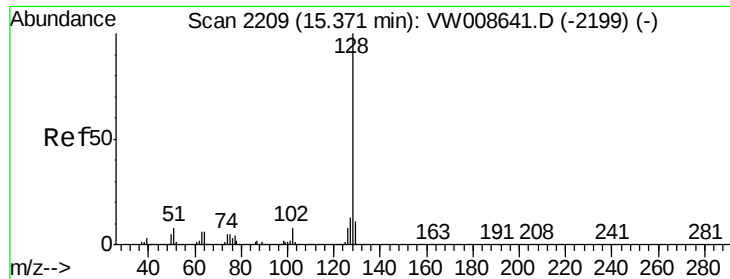
MMDadoda
2/19/2019 11:12:32 AM



#94
Hexachlorobutadiene
Concen: 55.686 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	179253		
223	62.9	31.4	94.3	
227	65.0	32.4	97.0	





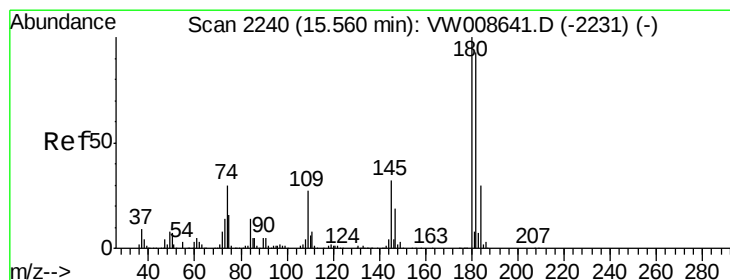
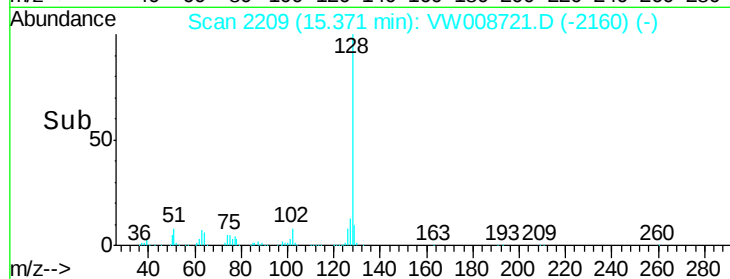
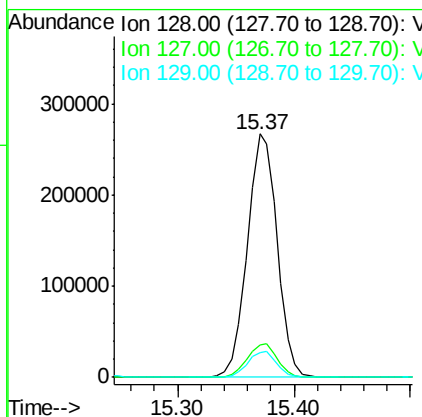
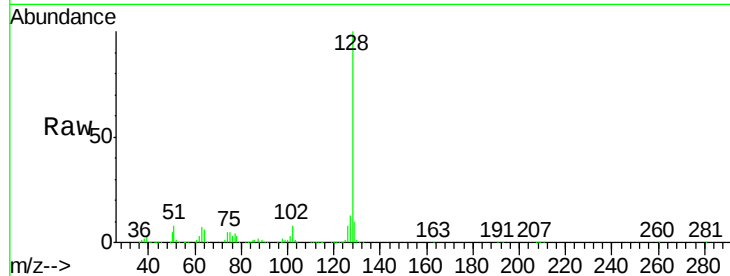
#95
Naphthalene
Concen: 48.079 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	476476		
127	14.0		10.9	16.3
129	10.4		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:12:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.184 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008721.D
Acq: 18 Feb 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	247634		
182	93.7		47.5	142.5
145	31.1		15.9	47.7

