

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051019\
 Data File : VW010351.D
 Acq On : 10 May 2019 12:34
 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
 5/11/2019 12:11:58 PM

Quant Time: May 10 23:34:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1438234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2312010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2070752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1022910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	746960	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	7.88	113	658837	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	10.32	98	2687188	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.62	95	974493	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	519838	47.142	ug/l	99
3) Chloromethane	2.21	50	695724	47.256	ug/l	98
4) Vinyl Chloride	2.37	62	872587	47.691	ug/l	97
5) Bromomethane	2.78	94	500649	47.450	ug/l	99
6) Chloroethane	2.92	64	524158	49.537	ug/l	97
7) Trichlorofluoromethane	3.25	101	393212	42.929	ug/l	96
8) Diethyl Ether	3.67	74	407640	50.624	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	725103	48.313	ug/l	98
10) Methyl Iodide	4.26	142	1038081	48.842	ug/l	94
11) Tert butyl alcohol	5.18	59	210800	195.217	ug/l	99
12) 1,1-Dichloroethene	4.04	96	765628	48.819	ug/l	91
13) Acrolein	3.89	56	347150	243.502	ug/l	98
14) Allyl chloride	4.65	41	1172716	50.094	ug/l	92
15) Acrylonitrile	5.36	53	913588	204.699	ug/l	99
16) Acetone	4.12	43	895872	224.750	ug/l	94
17) Carbon Disulfide	4.37	76	2247456	47.382	ug/l	99
18) Methyl Acetate	4.67	43	399956	40.509	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	940155	50.358	ug/l	99
20) Methylene Chloride	4.91	84	800964	48.176	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	831971	49.283	ug/l	96
22) Diisopropyl ether	6.31	45	2451774	53.964	ug/l	95
23) Vinyl Acetate	6.25	43	7963982	255.280	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1535761	50.206	ug/l	99
25) 2-Butanone	7.17	43	1289205	211.417	ug/l	96
26) 2,2-Dichloropropane	7.16	77	782155	51.392	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	890265	51.280	ug/l	96
28) Bromochloromethane	7.51	49	568406	50.402	ug/l	98
29) Tetrahydrofuran	7.53	42	817139	207.176	ug/l	96
30) Chloroform	7.67	83	1454140	50.796	ug/l	98
31) Cyclohexane	7.95	56	1484843	47.408	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1094583	49.363	ug/l	98
36) 1,1-Dichloropropene	8.08	75	1231029	49.107	ug/l	99
37) Ethyl Acetate	7.25	43	563845	42.244	ug/l	97
38) Carbon Tetrachloride	8.06	117	1051118	48.914	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1534082	50.025	ug/l	96
40) Benzene	8.32	78	3381353	49.252	ug/l	100
41) Methacrylonitrile	7.48	41	331669	44.309	ug/l	96
42) 1,2-Dichloroethane	8.40	62	982307	49.987	ug/l	97
43) Isopropyl Acetate	8.43	43	1017419	45.962	ug/l	97
44) Trichloroethene	9.09	130	841401	48.954	ug/l	96
45) 1,2-Dichloropropane	9.37	63	863372	50.592	ug/l	97
46) Dibromomethane	9.46	93	418085	47.423	ug/l	98
47) Bromodichloromethane	9.64	83	1072451	50.712	ug/l	99
48) Methyl methacrylate	9.43	41	494283	47.225	ug/l	87
49) 1,4-Dioxane	9.45	88	121892	792.819	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	2783337	219.280	ug/l	93
52) Toluene	10.38	92	2111136	50.310	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	1111631	51.894	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1324233	52.199	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	599903	47.909	ug/l	98
56) Ethyl methacrylate	10.65	69	846426	51.188	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	1097339	49.021	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	2084004	263.233	ug/l	100
59) 2-Hexanone	10.97	43	2009126	223.872	ug/l	93
60) Dibromochloromethane	11.13	129	679329	50.417	ug/l	99
61) 1,2-Dibromoethane	11.23	107	576337	47.946	ug/l	98
64) Tetrachloroethene	10.86	164	690178	47.687	ug/l	98
65) Chlorobenzene	11.66	112	2142234	49.976	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	738631	50.982	ug/l	98
67) Ethyl Benzene	11.73	91	4070491	51.619	ug/l	98
68) m/p-Xylenes	11.84	106	3030011	103.418	ug/l	99
69) o-Xylene	12.16	106	1390570	52.467	ug/l	99
70) Styrene	12.18	104	2465329	53.384	ug/l	98
71) Bromoform	12.35	173	386363	46.651	ug/l	98
73) Isopropylbenzene	12.47	105	3906601	52.395	ug/l	99
74) N-amyl acetate	12.27	43	969161	50.313	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	732672	44.598	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	634747m	53.223	ug/l	
77) Bromobenzene	12.75	156	860756	51.128	ug/l	100
78) n-propylbenzene	12.80	91	4803692	52.164	ug/l	100
79) 2-Chlorotoluene	12.90	91	2699898	51.483	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3296321	52.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	241452	45.720	ug/l	93
82) 4-Chlorotoluene	12.99	91	2828243	51.472	ug/l	99
83) tert-Butylbenzene	13.21	119	2754840	52.544	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3304136	52.898	ug/l	100
85) sec-Butylbenzene	13.38	105	4045890	52.274	ug/l	100
86) p-Isopropyltoluene	13.50	119	3645513	53.049	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1703819	50.683	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1677548	50.284	ug/l	99
89) n-Butylbenzene	13.83	91	3656035	53.059	ug/l	98
90) Hexachloroethane	14.10	117	636377	49.928	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	1496047	50.273	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	122014	41.244	ug/l	95

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Instrument :
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ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Fri May 10 03:41:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1099857	54.154	ug/l	100
94) Hexachlorobutadiene	15.24	225	667579	51.273	ug/l	99
95) Naphthalene	15.37	128	2072731	45.056	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	962581	52.463	ug/l	100

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

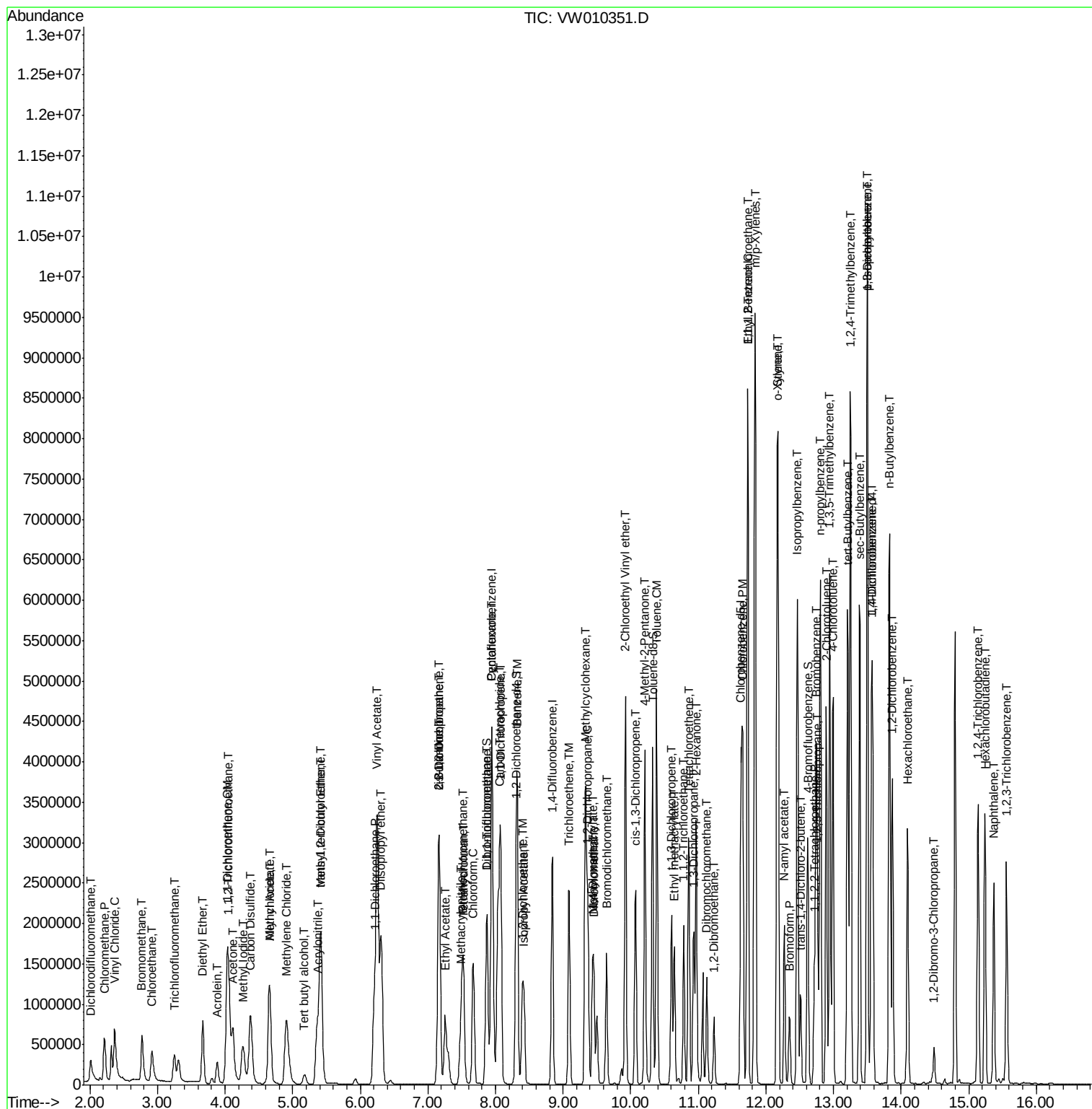
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051019\
 Data File : VW010351.D
 Acq On : 10 May 2019 12:34
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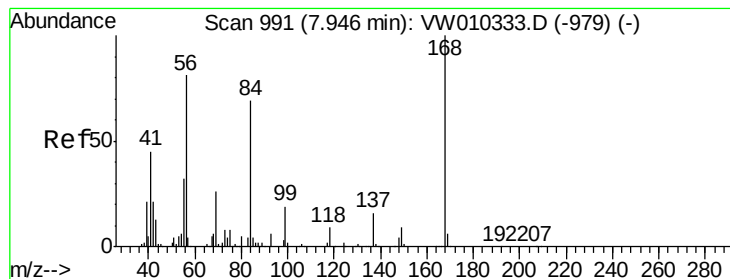
Instrument :
 MSVOA_W
 ClientSampleId :
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1438234

Ion Ratio Lower Upper

168 100

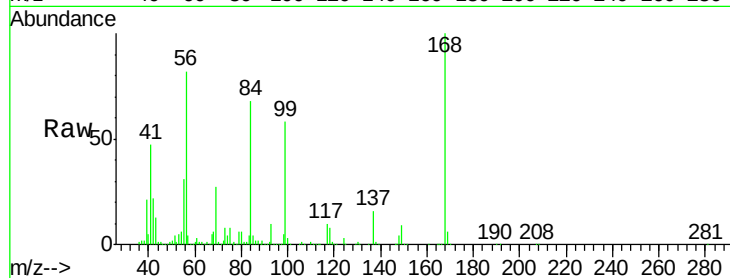
99 58.4 48.4 72.6

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

7.95

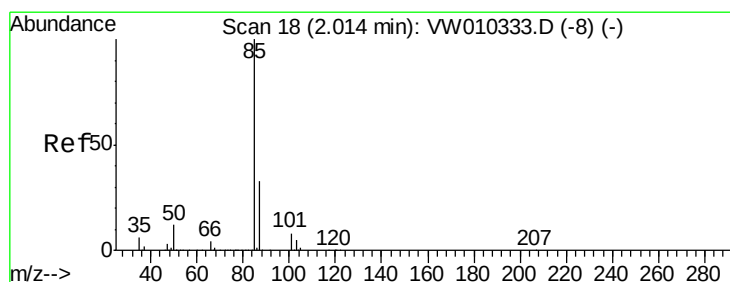
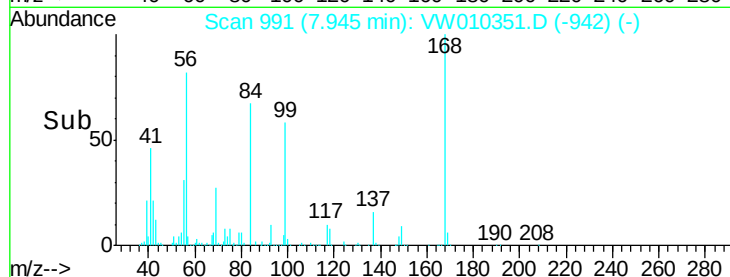
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400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.142 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010351.D

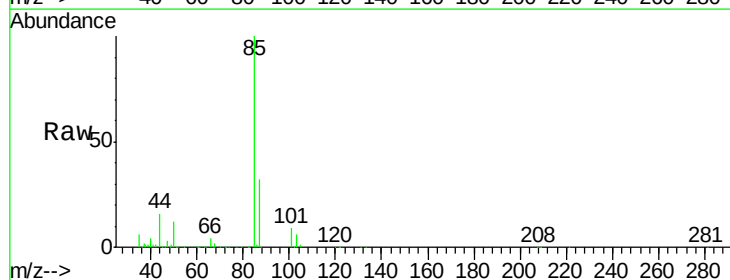
Acq: 10 May 2019 12:34

Tgt Ion: 85 Resp: 519838

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

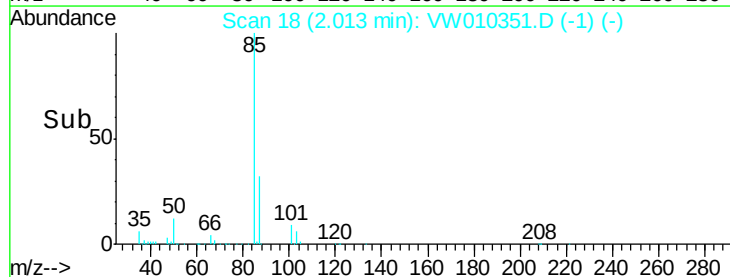
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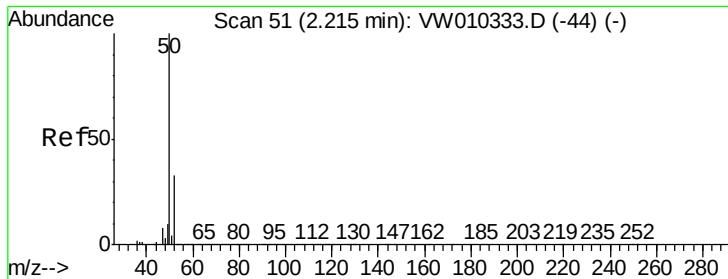
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.256 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 695724

Ion Ratio Lower Upper

50 100

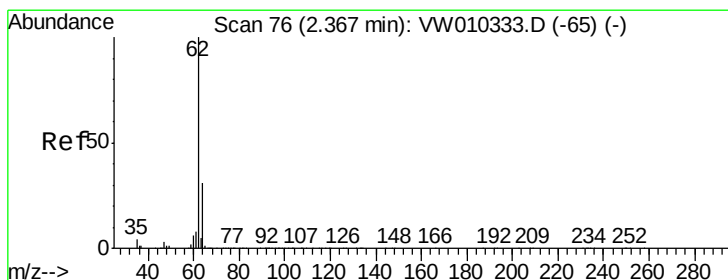
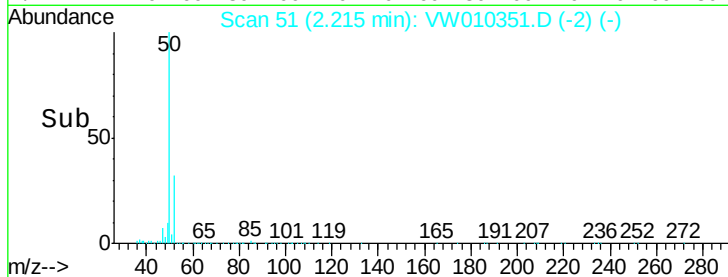
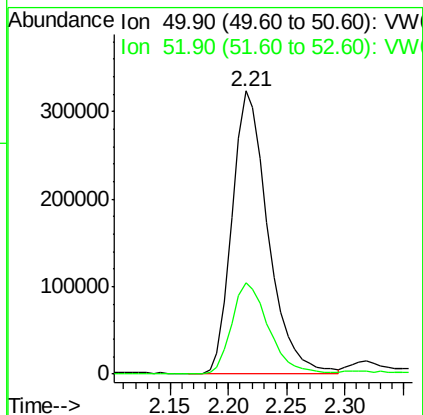
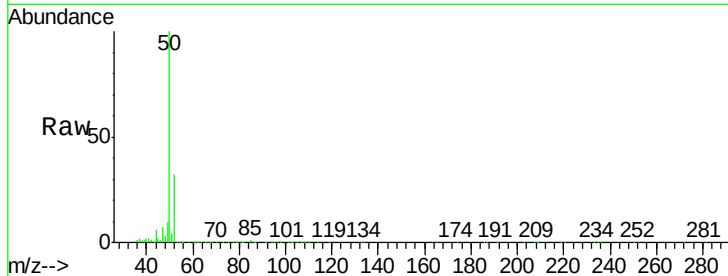
52 32.5 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.691 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010351.D

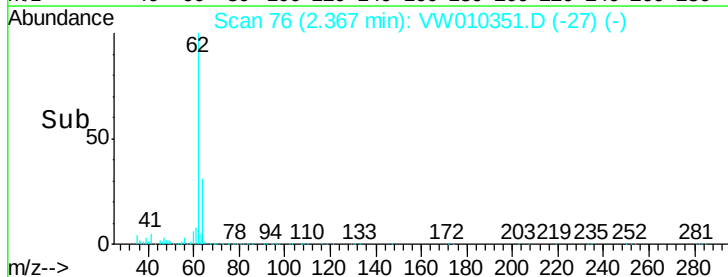
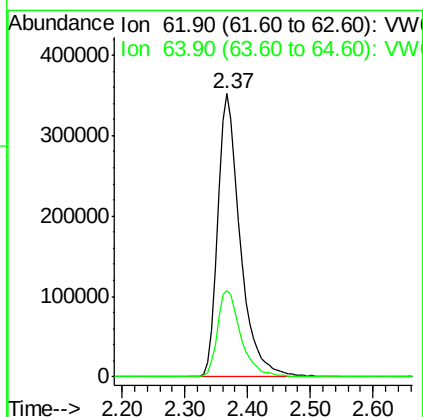
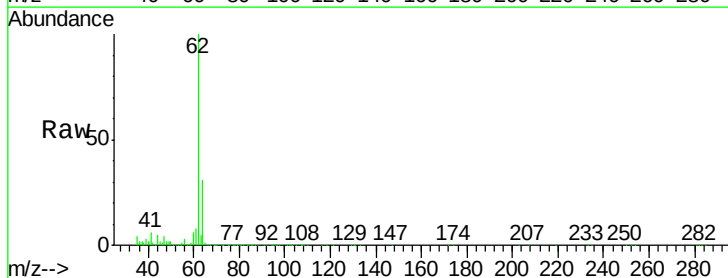
Acq: 10 May 2019 12:34

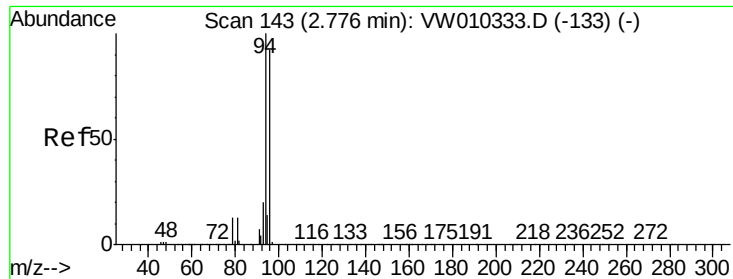
Tgt Ion: 62 Resp: 872587

Ion Ratio Lower Upper

62 100

64 30.5 25.9 38.9





#5

Bromomethane

Concen: 47.450 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 500649

Ion Ratio Lower Upper

94 100

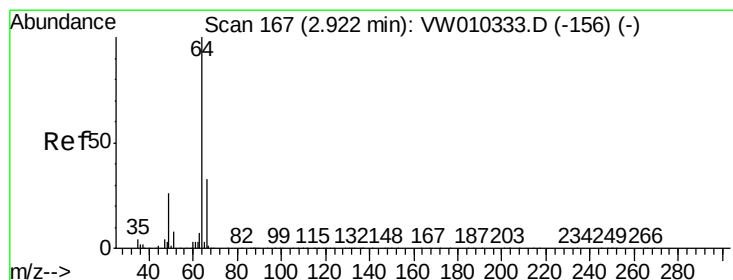
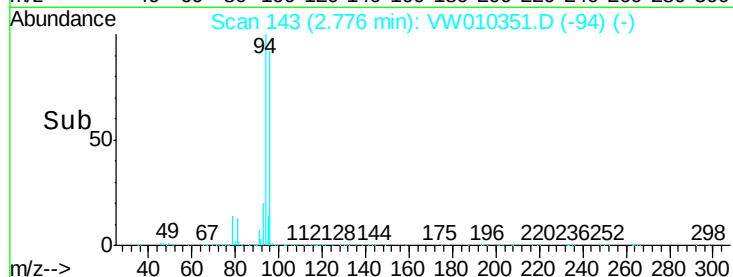
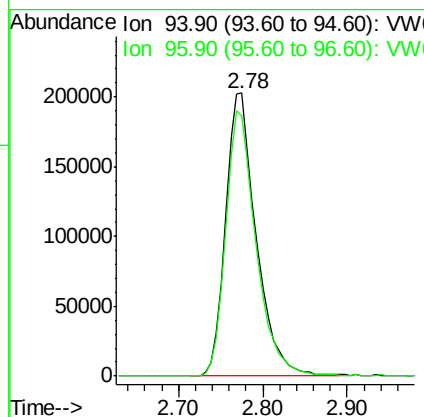
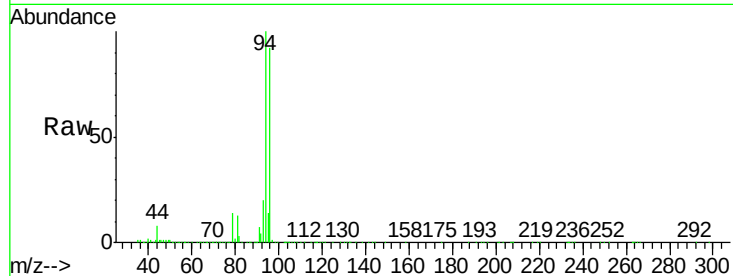
96 92.2 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 49.537 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010351.D

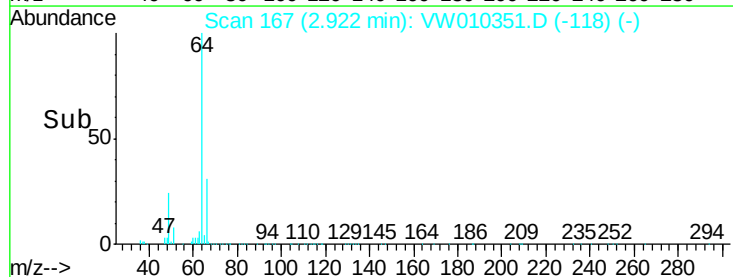
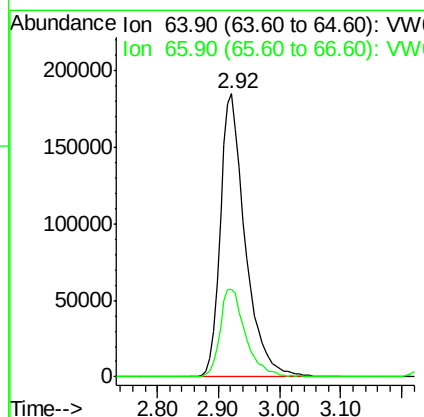
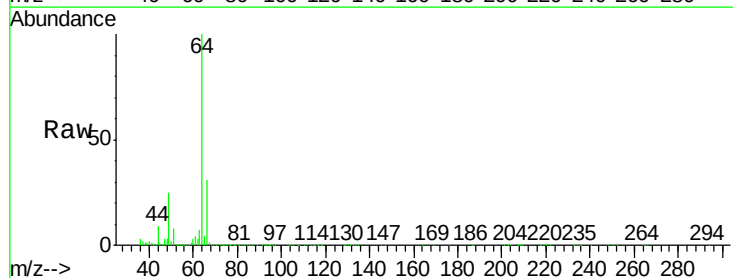
Acq: 10 May 2019 12:34

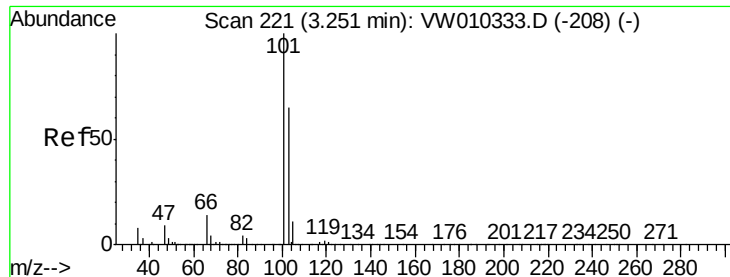
Tgt Ion: 64 Resp: 524158

Ion Ratio Lower Upper

64 100

66 31.0 23.4 35.0





#7

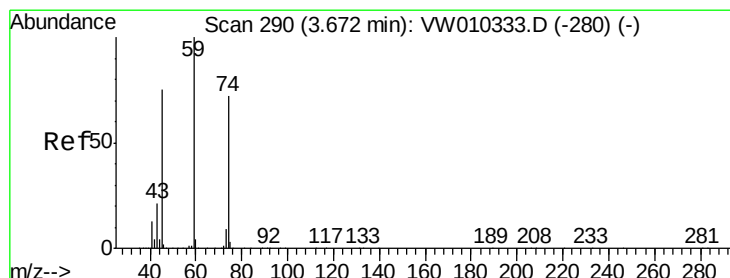
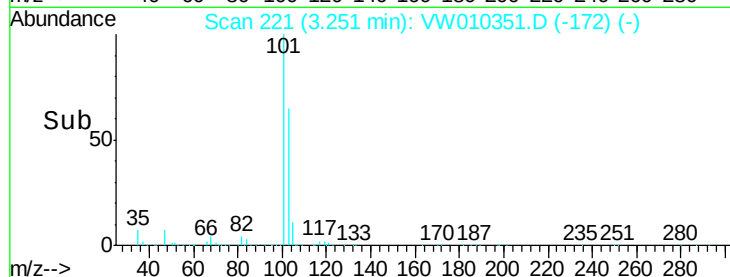
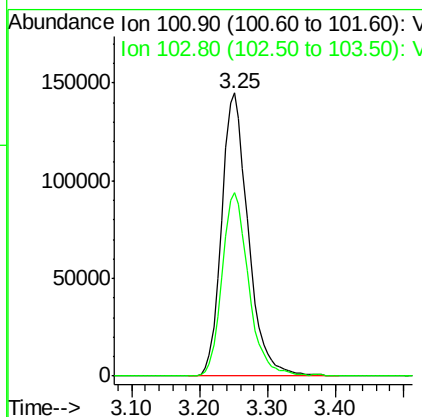
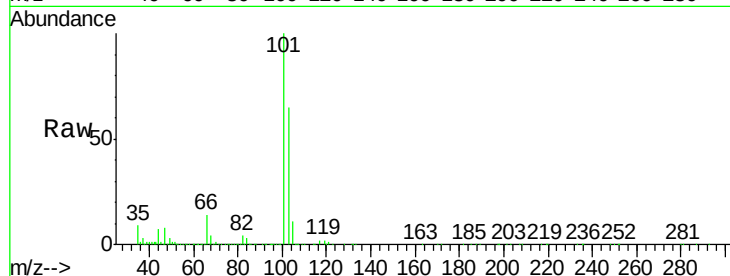
Trichlorofluoromethane
Concen: 42.929 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	49.8	74.6

Manual Integrations
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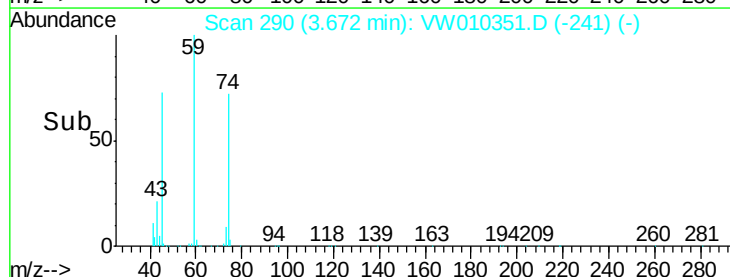
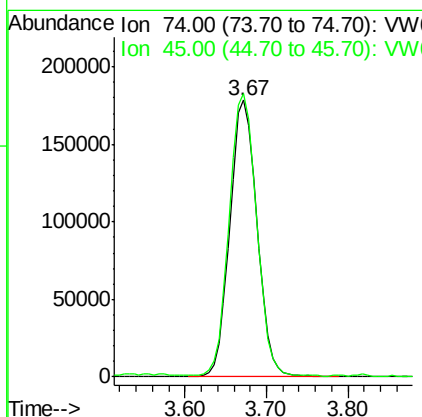
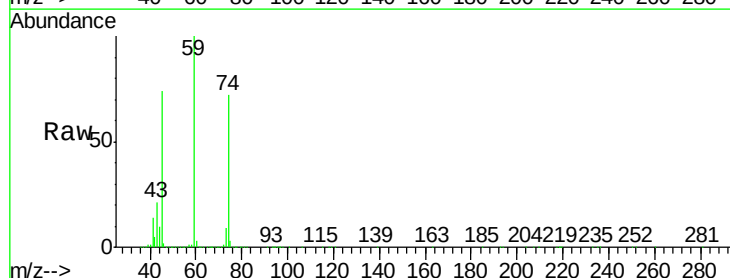
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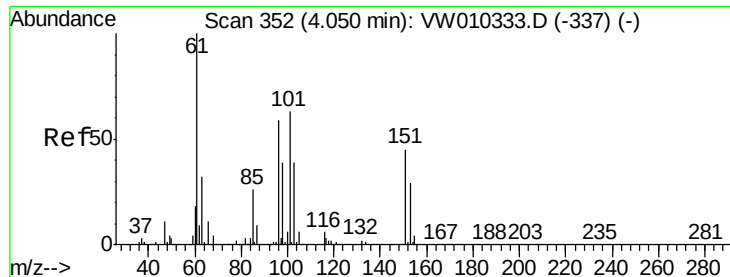


#8

Diethyl Ether
Concen: 50.624 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.313 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010351.D

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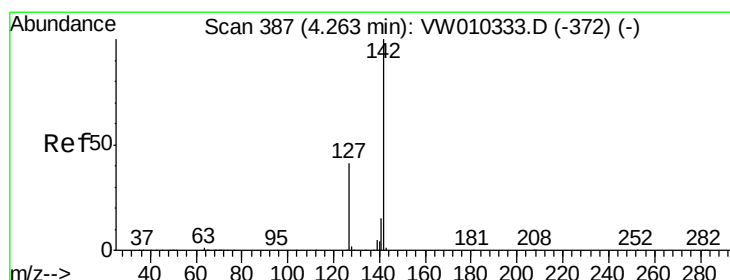
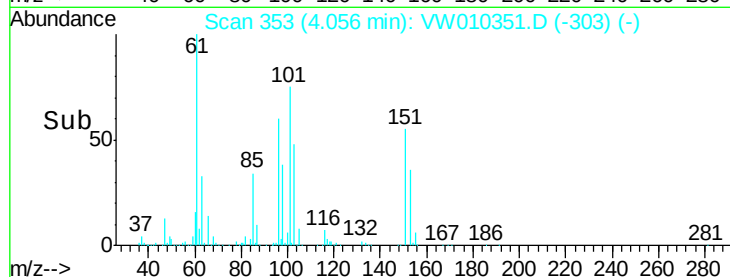
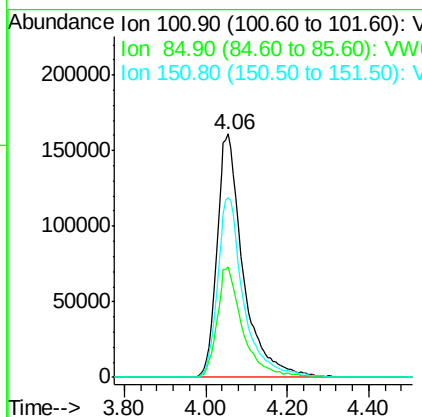
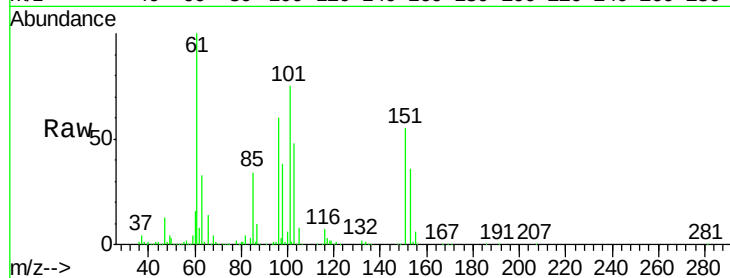
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	725103
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.3	54.5
151	73.1	60.2	90.2

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#10

Methyl Iodide

Concen: 48.842 ug/l

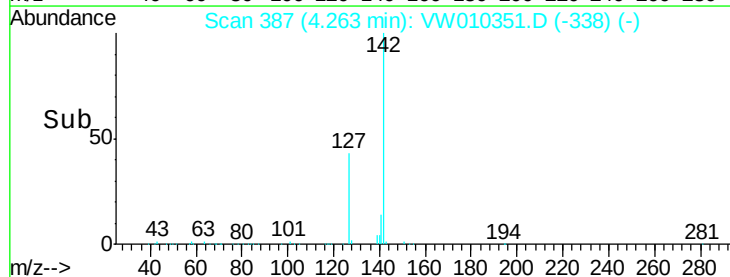
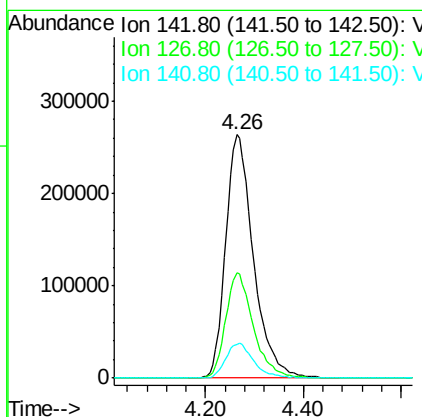
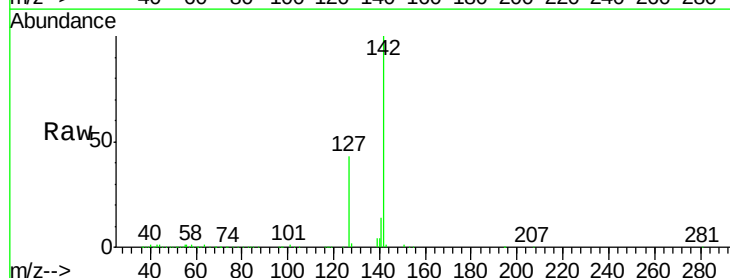
RT: 4.26 min Scan# 387

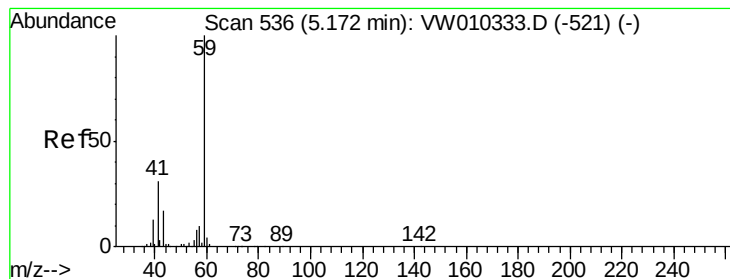
Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Tgt Ion:	142	Resp:	1038081
Ion Ratio	Lower	Upper	
142	100		
127	43.0	38.1	57.1
141	14.5	12.2	18.2





#11

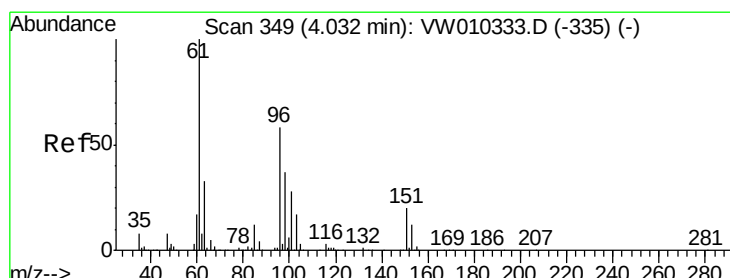
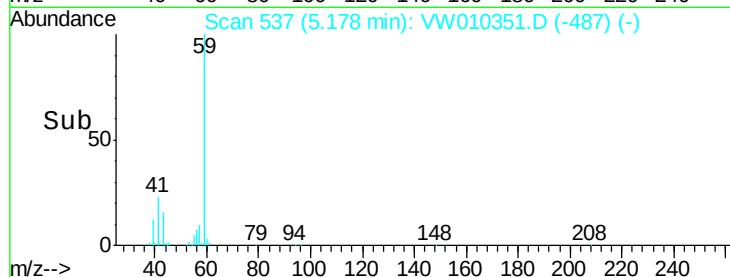
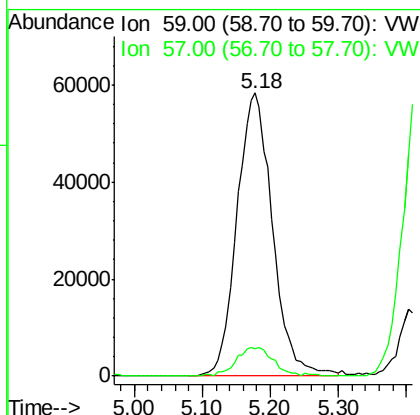
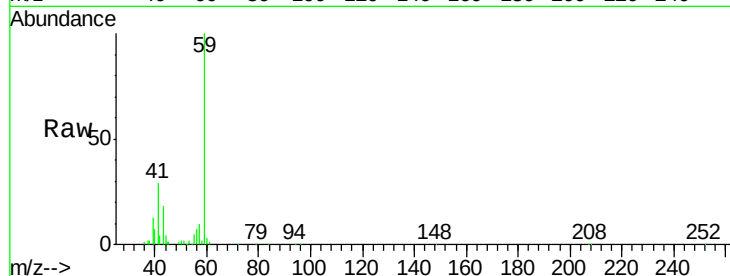
Tert butyl alcohol
 Concen: 195.217 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.4

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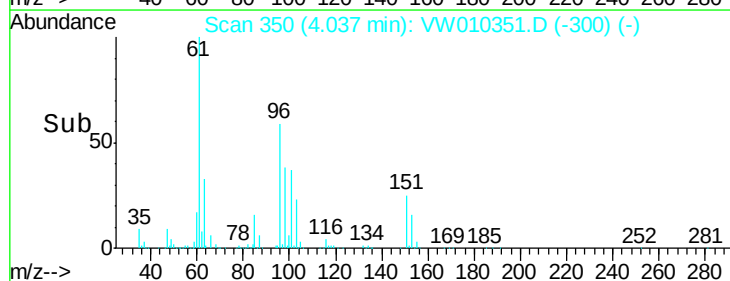
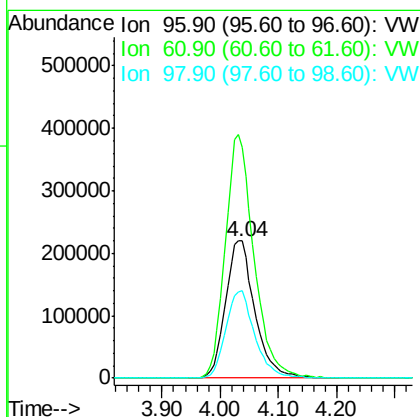
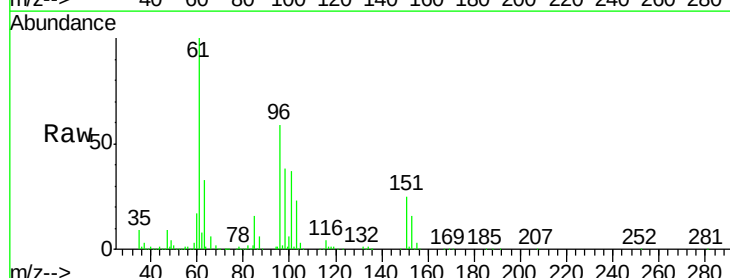
MMDadoda
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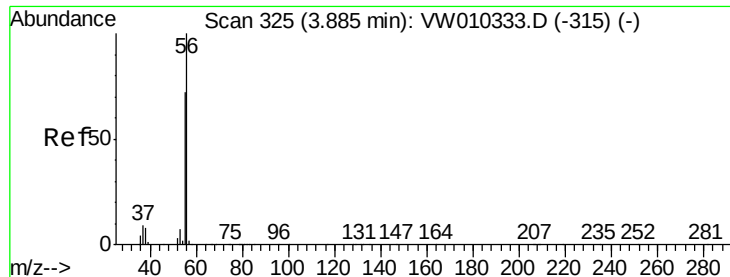


#12

1,1-Dichloroethene
 Concen: 48.819 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.2	147.4	221.2
98	63.3	49.7	74.5





#13

Acrolein

Concen: 243.502 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 347150

Ion Ratio Lower Upper

56 100

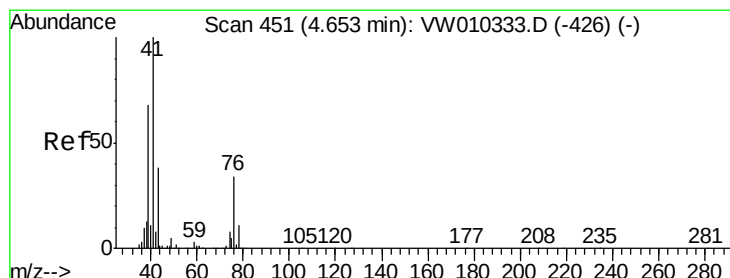
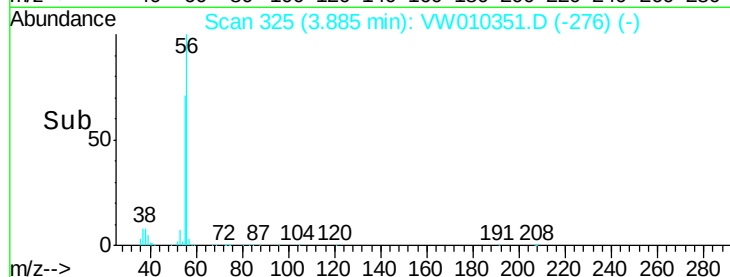
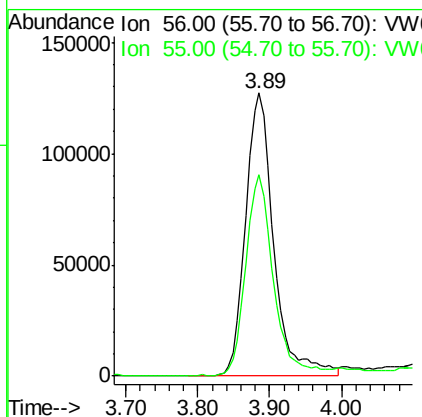
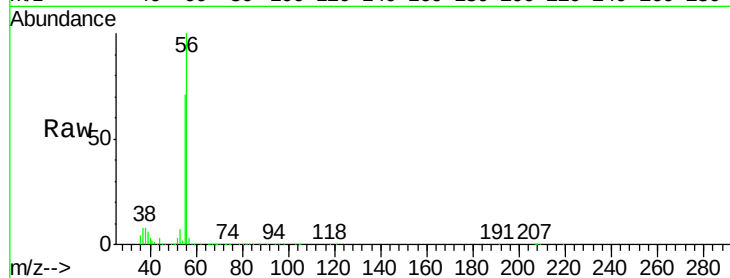
55 69.4 54.2 81.2

Manual Integrations

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#14

Allyl chloride

Concen: 50.094 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

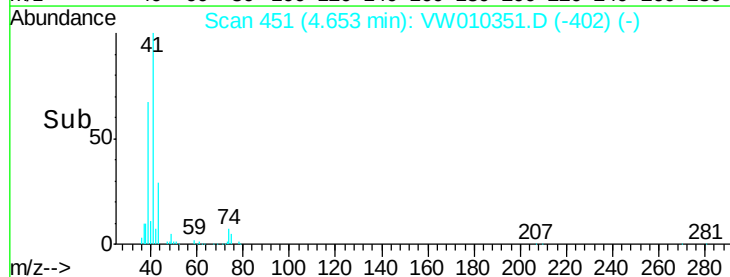
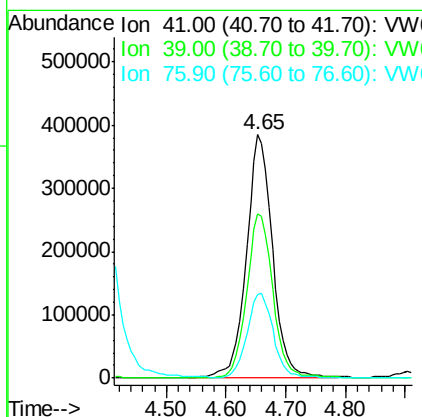
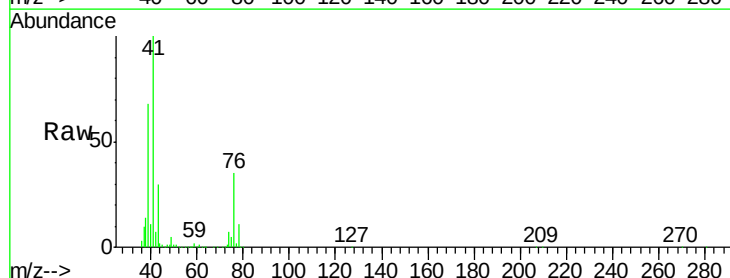
Tgt Ion: 41 Resp: 1172716

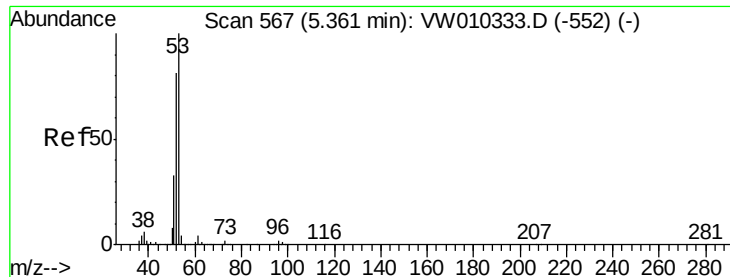
Ion Ratio Lower Upper

41 100

39 67.6 60.2 90.4

76 34.4 25.0 37.6





#15

Acrylonitrile

Concen: 204.699 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

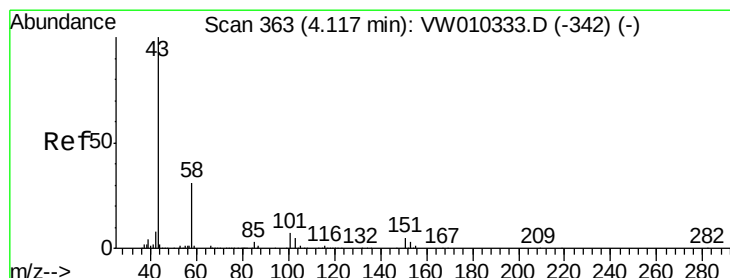
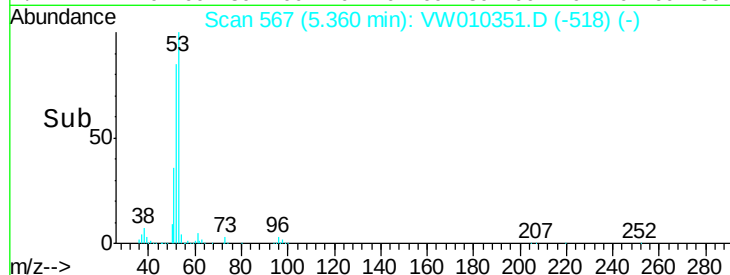
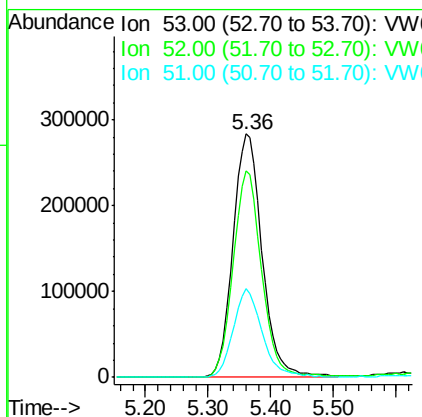
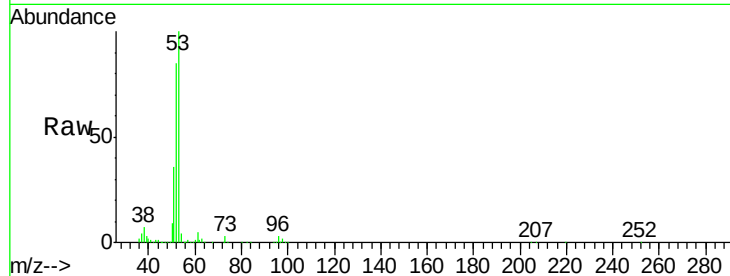
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	913588
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.6	100.0
51	36.1	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 224.750 ug/l

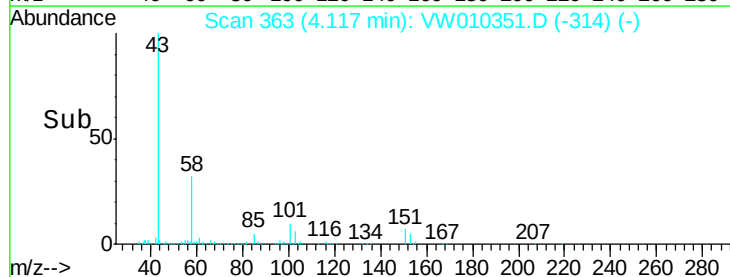
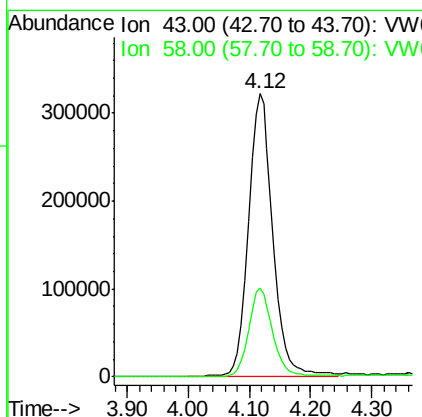
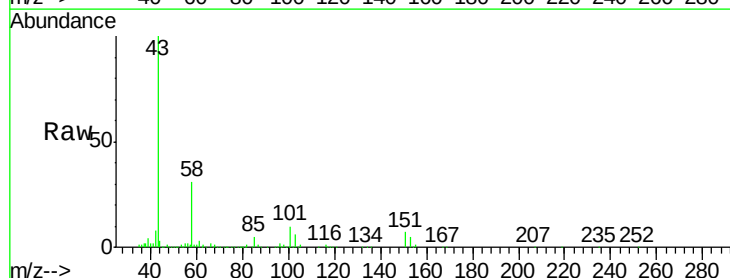
RT: 4.12 min Scan# 363

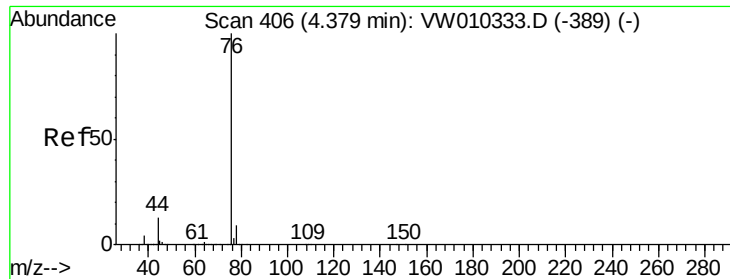
Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Tgt Ion:	43	Resp:	895872
Ion Ratio	Lower	Upper	
43	100		
58	31.4	22.7	34.1





#17

Carbon Disulfide

Concen: 47.382 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 2247456

Ion Ratio Lower Upper

76 100

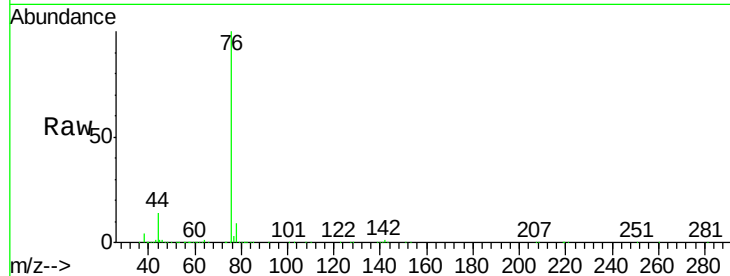
78 9.0 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

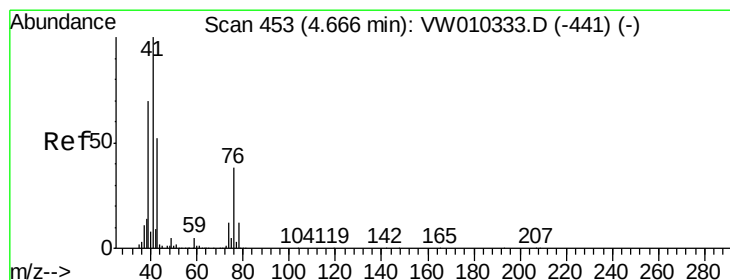
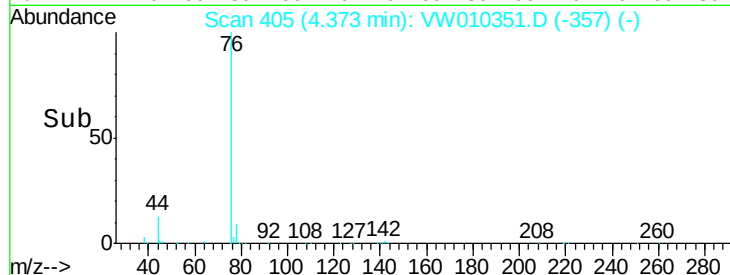
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 40.509 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010351.D

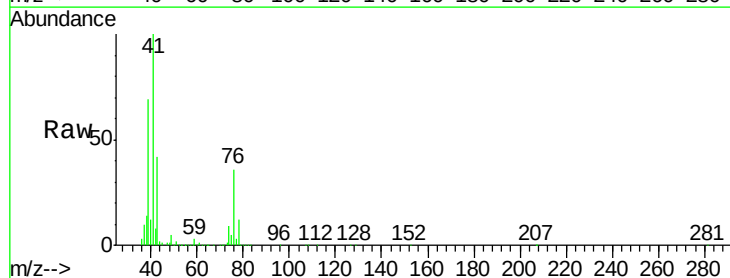
Acq: 10 May 2019 12:34

Tgt Ion: 43 Resp: 399956

Ion Ratio Lower Upper

43 100

74 23.0 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

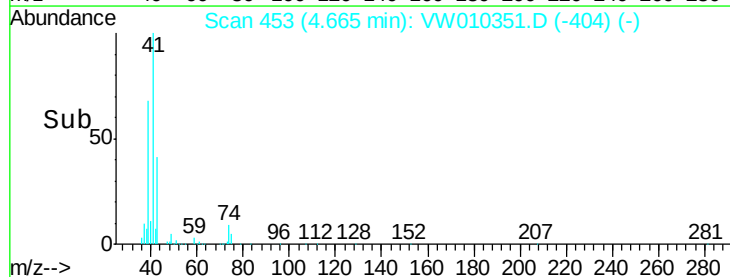
150000

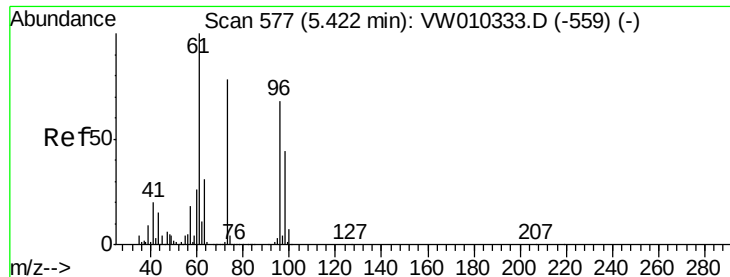
100000

50000

0

Time-->





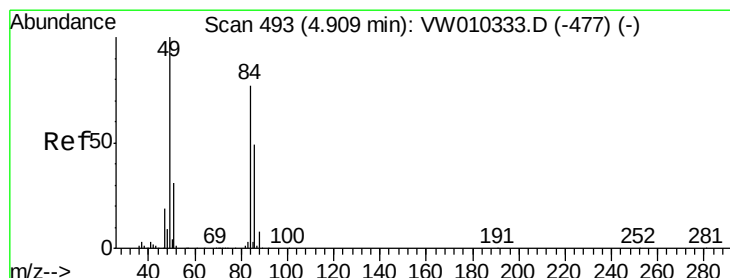
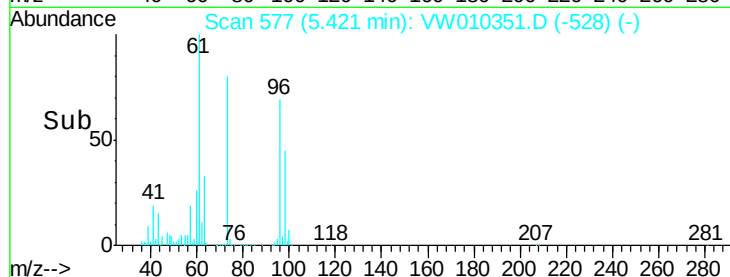
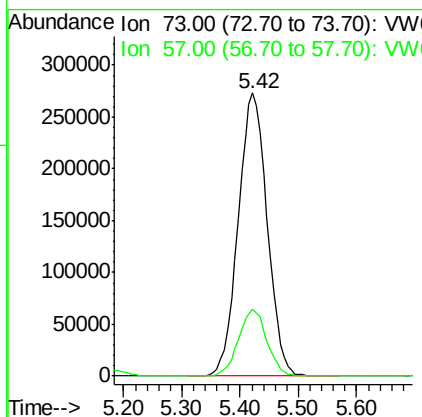
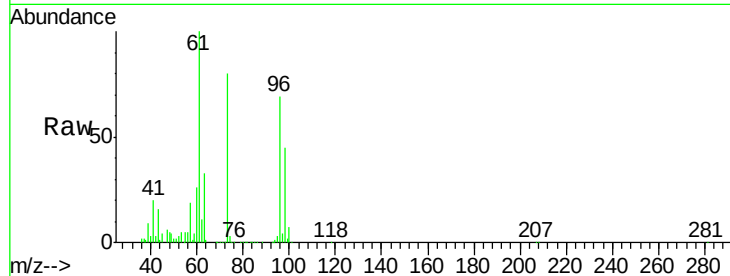
#19
Methyl tert-butyl Ether
Concen: 50.358 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.5	27.7

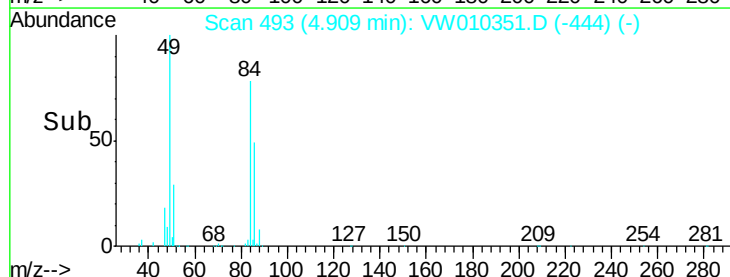
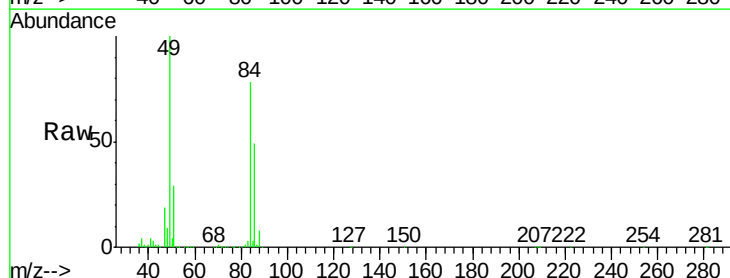
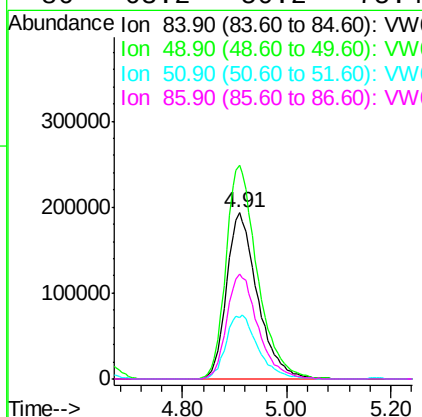
Manual Integrations
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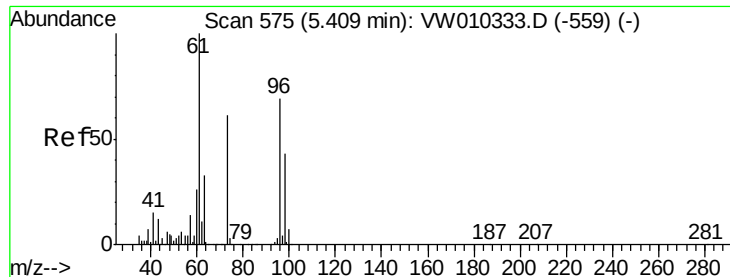
MMDadoda
5/11/2019 12:11:58 PM



#20
Methylene Chloride
Concen: 48.176 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.5	112.3	168.5
51	36.8	33.9	50.9
86	63.2	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 49.283 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

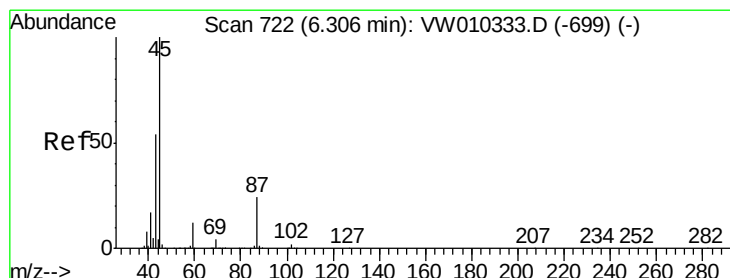
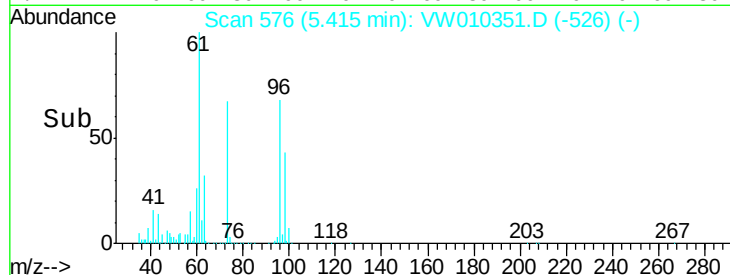
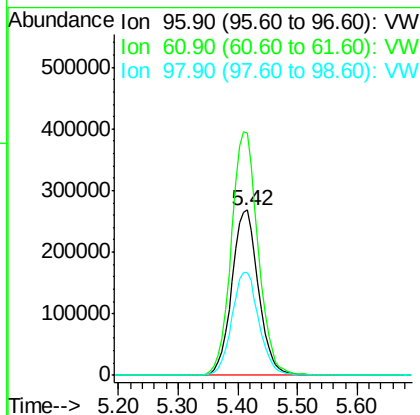
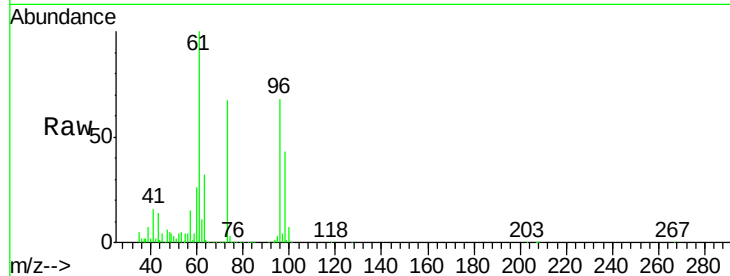
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	831971
Ion	Ratio	Lower	Upper
96	100		
61	146.3	122.3	183.5
98	62.3	50.5	75.7

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#22

Diisopropyl ether

Concen: 53.964 ug/l

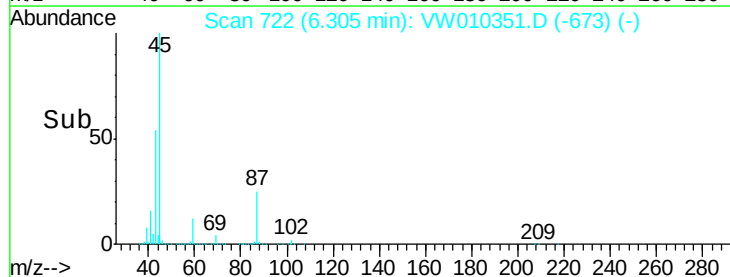
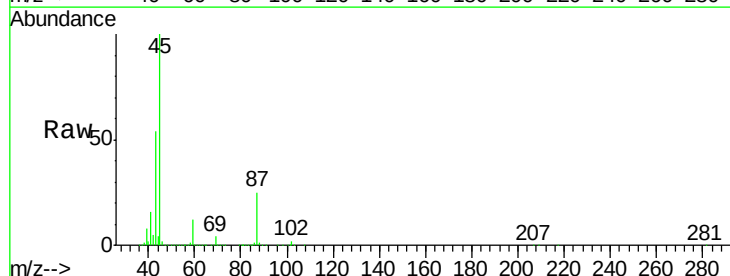
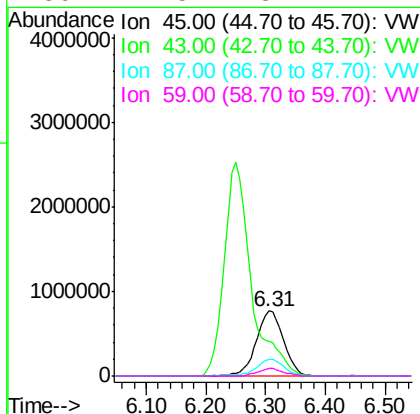
RT: 6.31 min Scan# 722

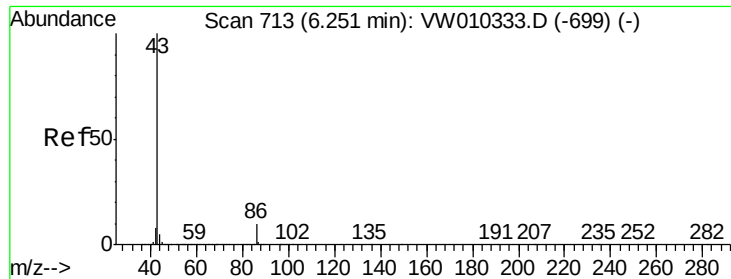
Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Tgt Ion:	45	Resp:	2451774
Ion	Ratio	Lower	Upper
45	100		
43	53.7	46.1	69.1
87	25.2	18.3	27.5
59	11.5	8.2	12.4





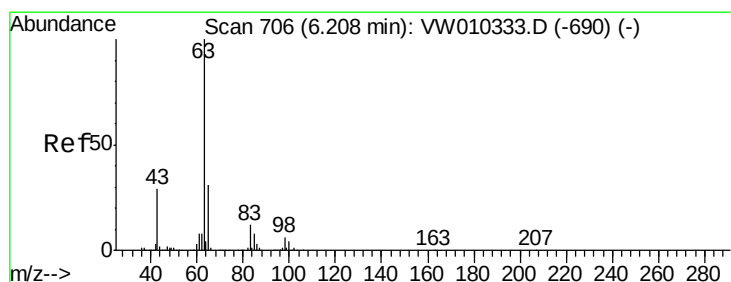
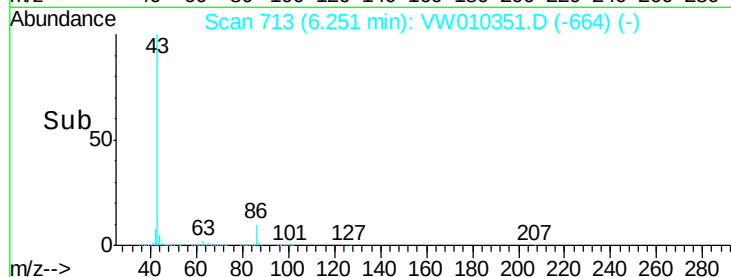
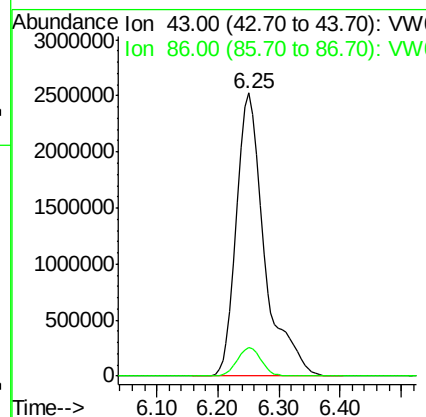
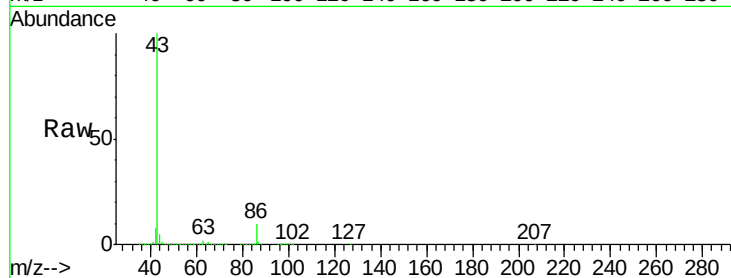
#23
 Vinyl Acetate
 Concen: 255.280 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 7963982
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.0 10.6

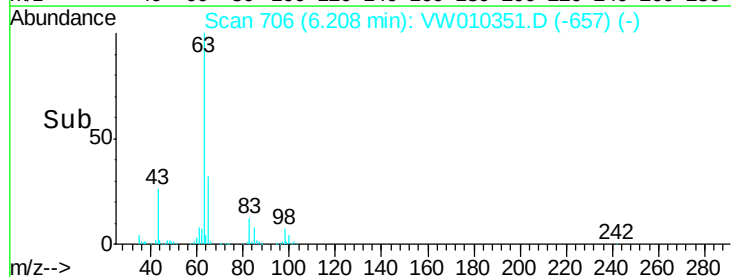
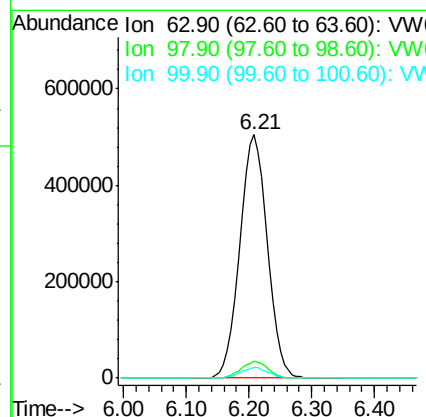
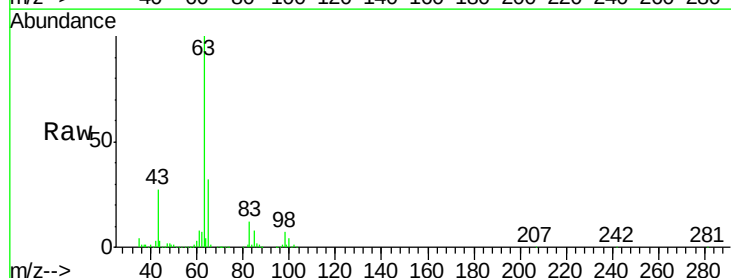
Manual Integrations
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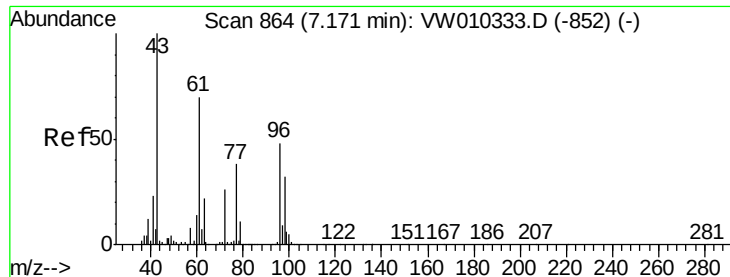
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#24
 1,1-Dichloroethane
 Concen: 50.206 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Tgt Ion: 63 Resp: 1535761
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 211.417 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1289205

Ion Ratio Lower Upper

43 100

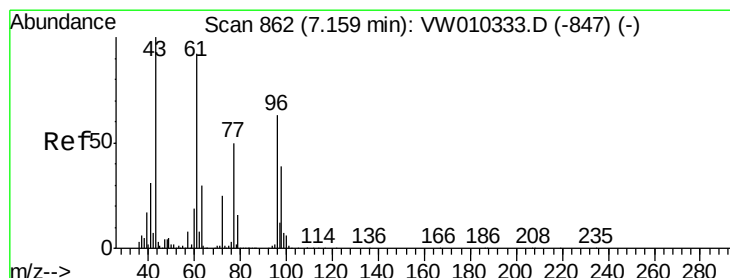
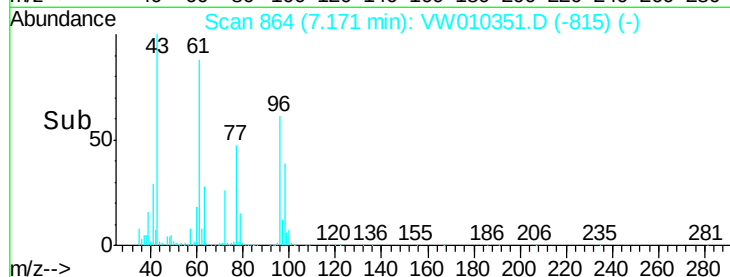
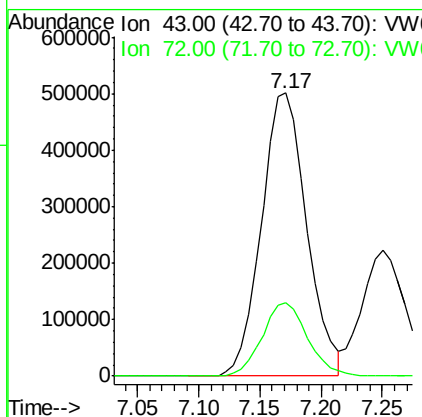
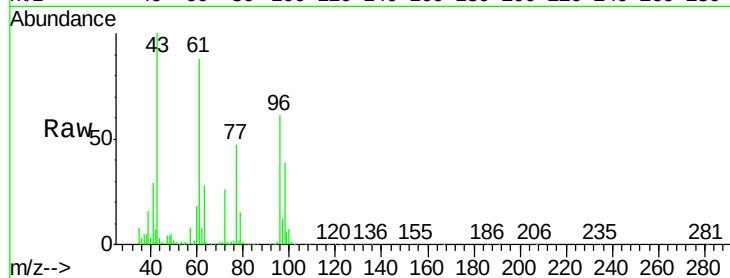
72 25.9 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.392 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010351.D

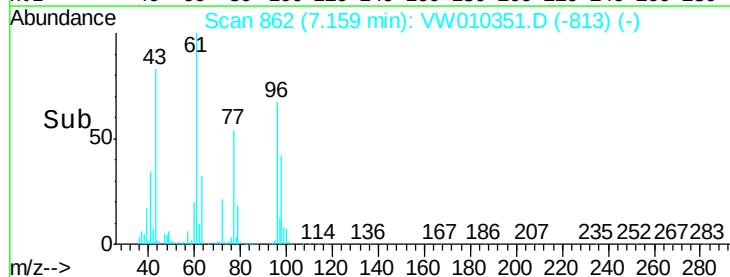
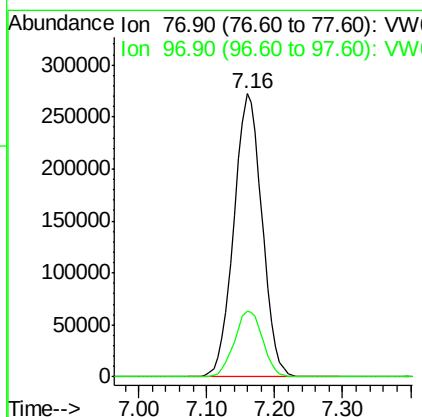
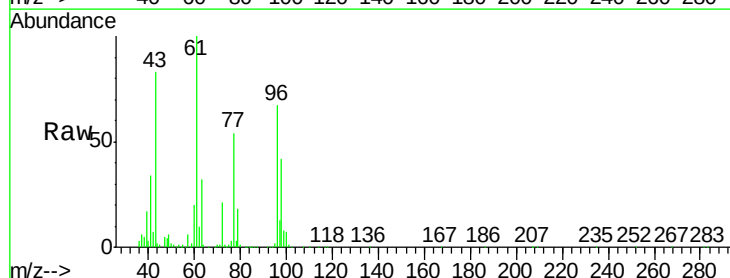
Acq: 10 May 2019 12:34

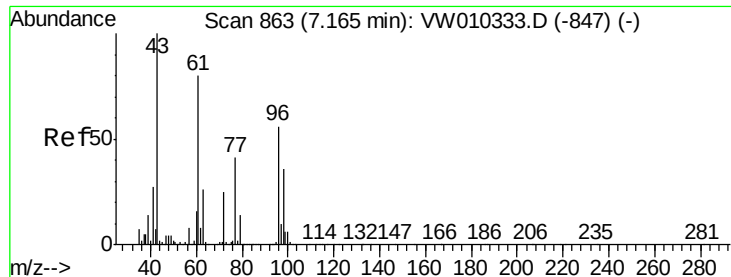
Tgt Ion: 77 Resp: 782155

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9





#27

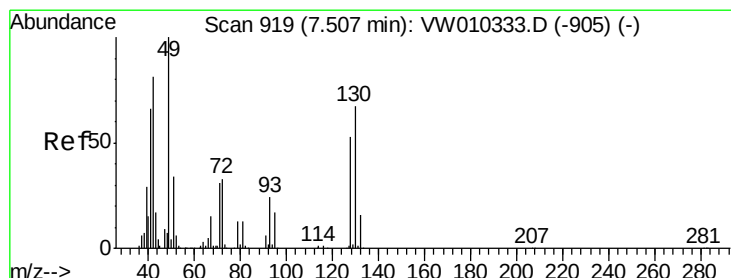
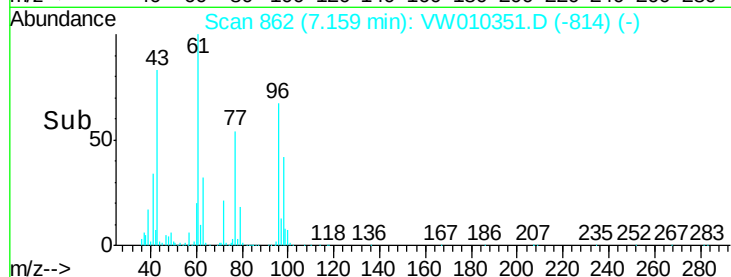
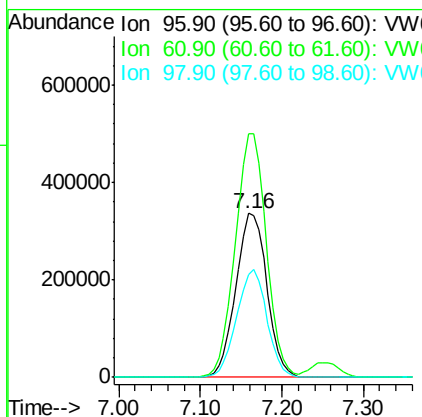
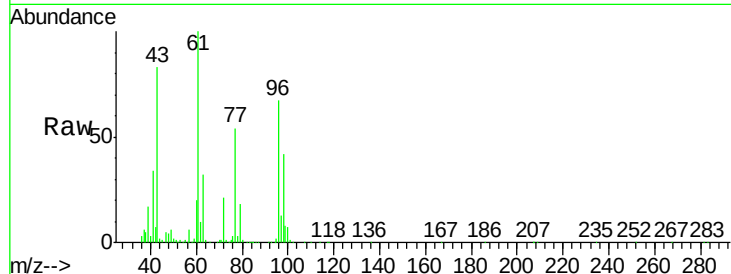
cis-1,2-Dichloroethene
Concen: 51.280 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	890265		
61	148.2		0.0	309.4
98	64.0		0.0	128.6

Manual Integrations
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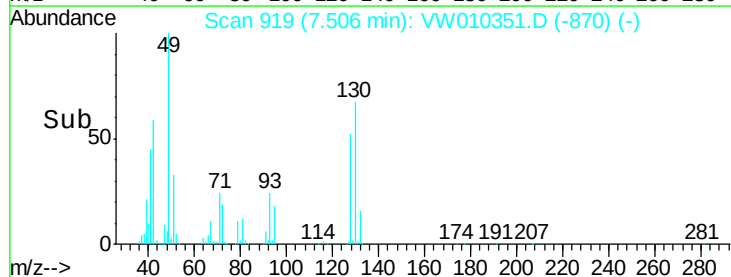
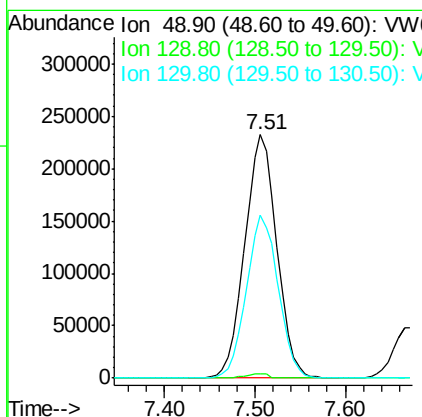
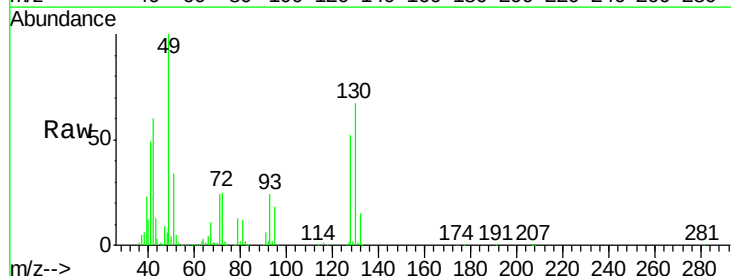
MMDadoda
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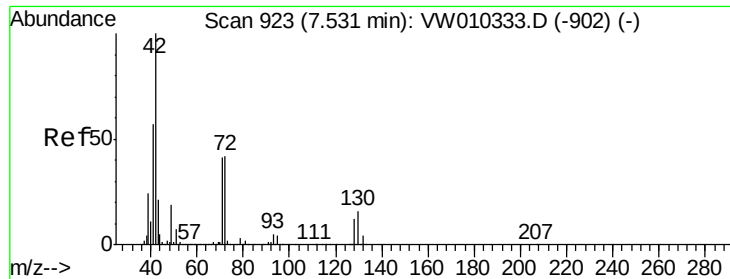


#28

Bromochloromethane
Concen: 50.402 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	568406		
129	1.3		0.0	3.8
130	66.8		54.6	82.0





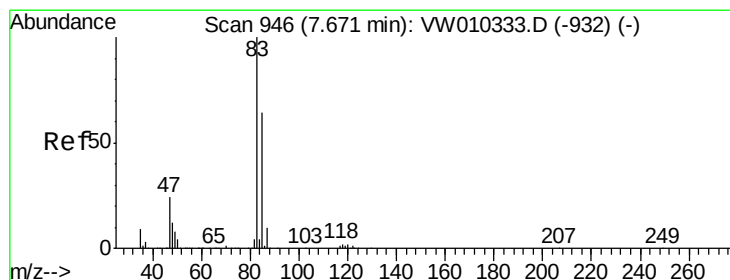
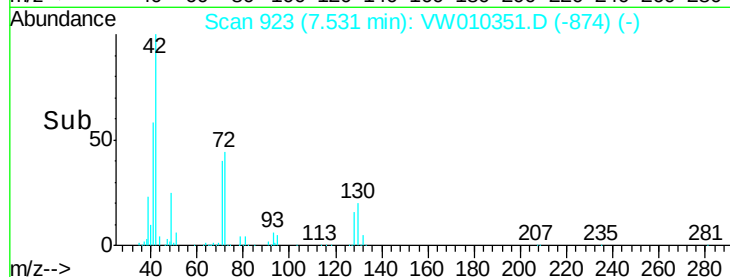
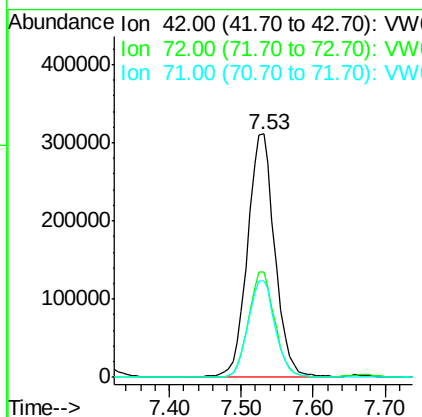
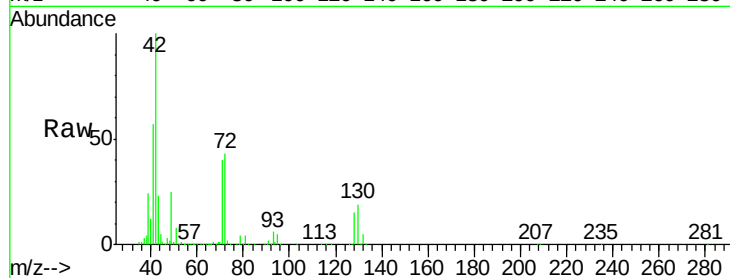
#29
Tetrahydrofuran
Concen: 207.176 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	31.0	46.6
71	39.4	29.7	44.5

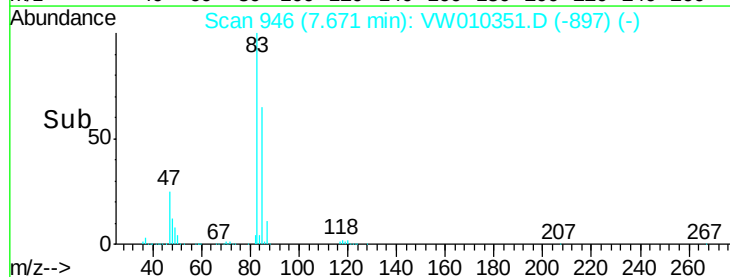
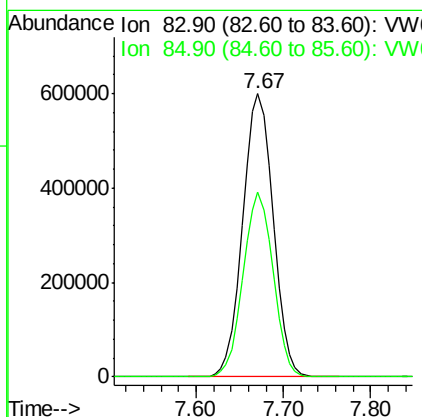
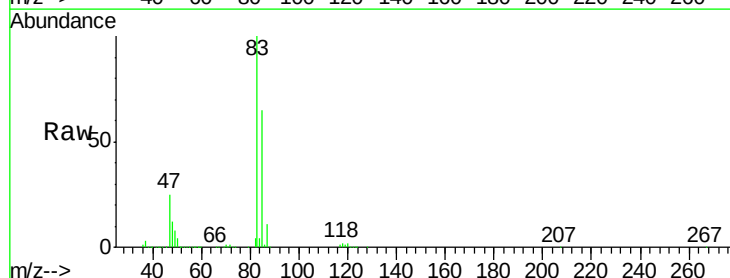
Manual Integrations
APPROVED

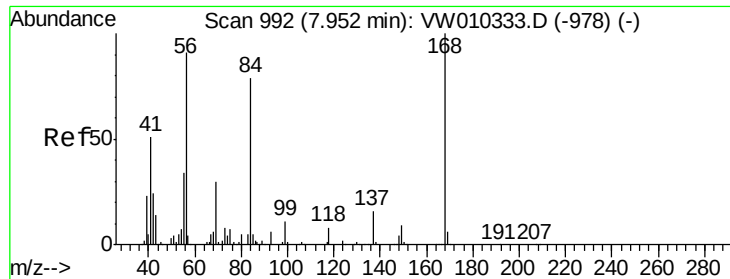
MMDadoda
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#30
Chloroform
Concen: 50.796 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.7	76.1





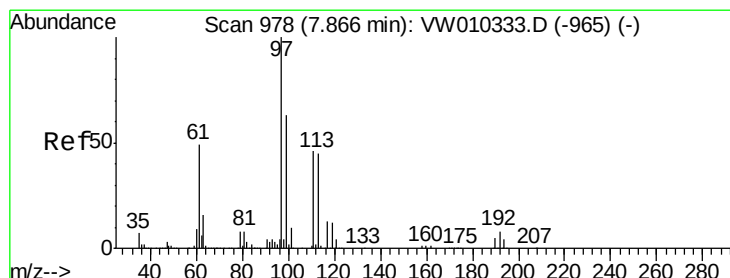
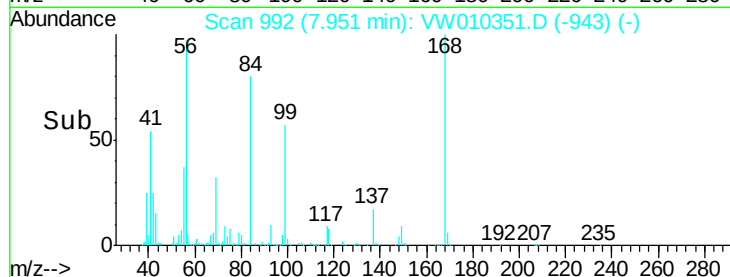
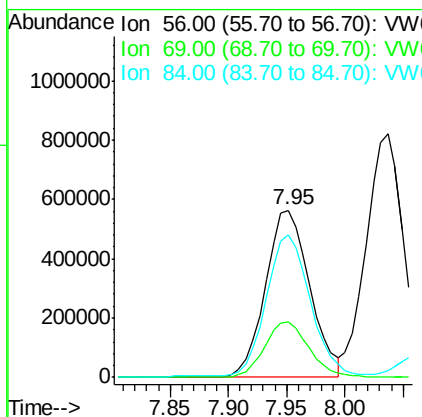
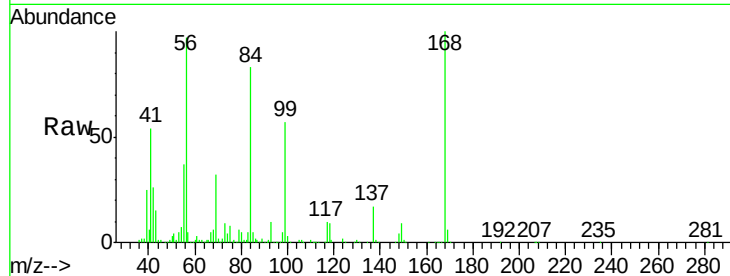
#31
Cyclohexane
Concen: 47.408 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

Tot Ion: 56 Resp: 1484843
Ion Ratio Lower Upper
56 100
69 33.2 26.6 40.0
84 84.2 66.2 99.2

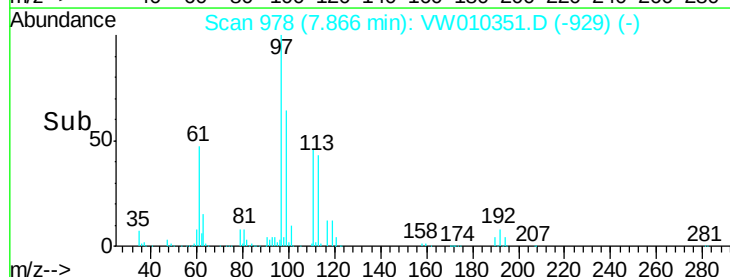
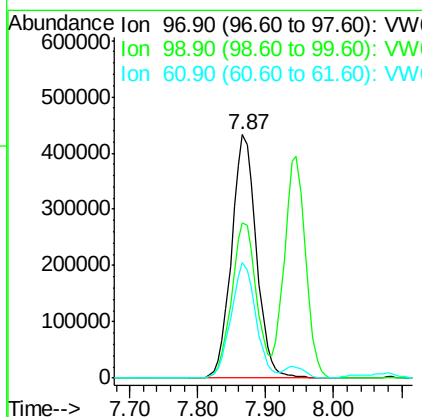
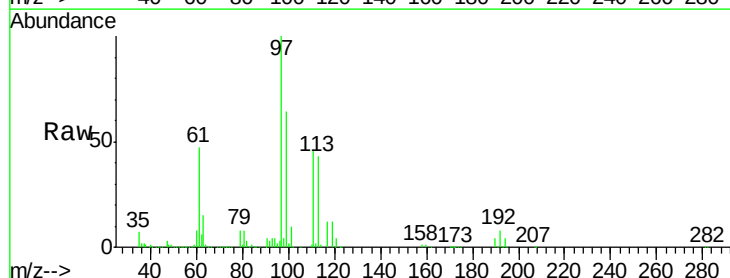
Manual Integrations
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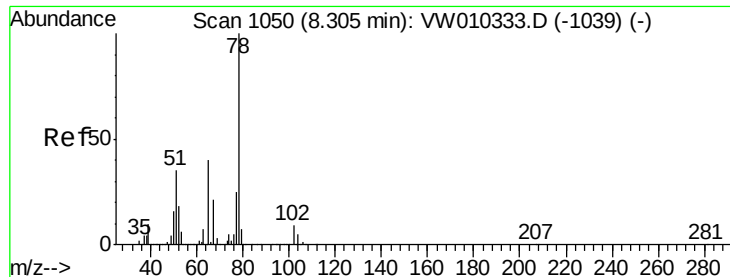
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.363 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion: 97 Resp: 1094583
Ion Ratio Lower Upper
97 100
99 64.3 50.2 75.2
61 47.0 38.2 57.2





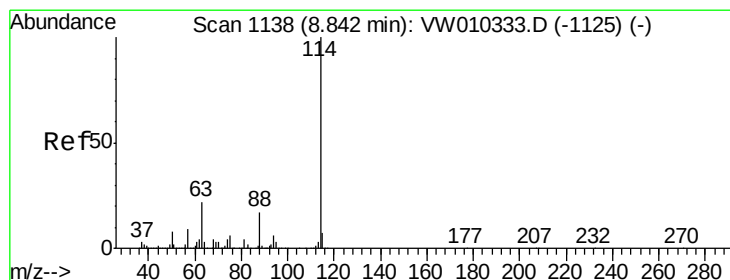
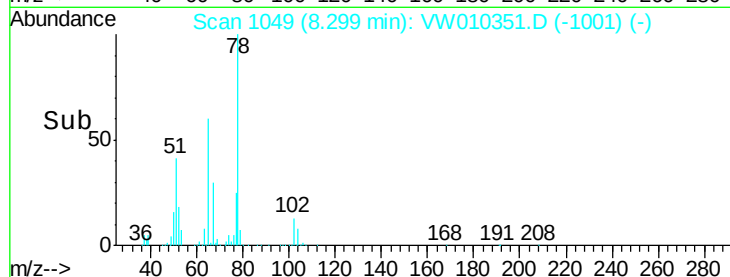
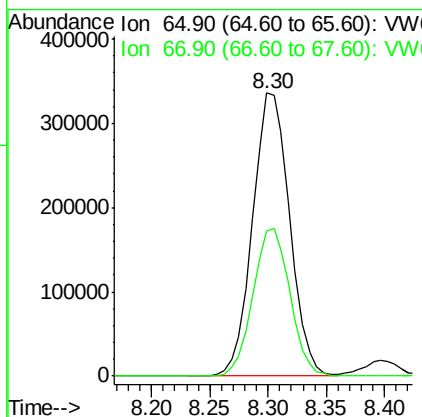
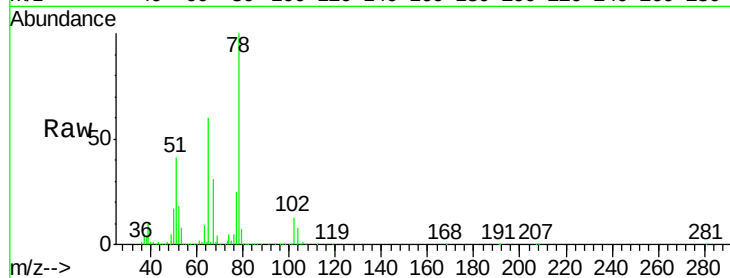
#33
 1,2-Dichloroethane-d4
 Concen: 48.852 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	746960		
67	51.8	0.0	100.8	

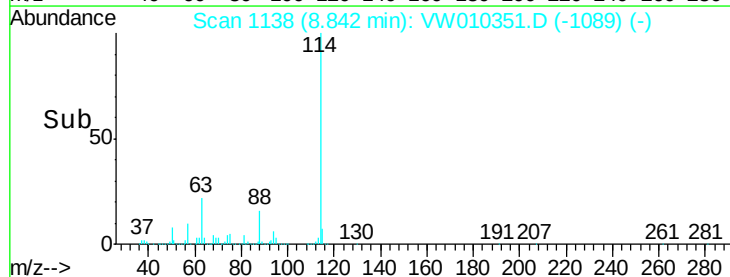
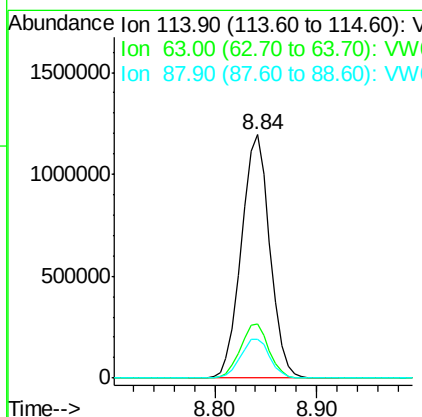
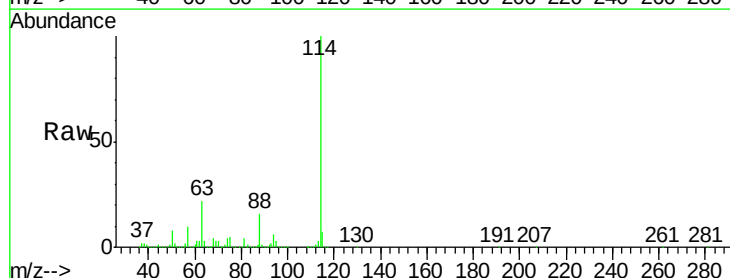
Manual Integrations
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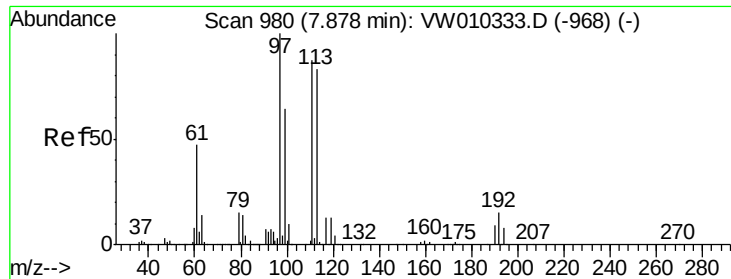
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2312010		
63	22.5	0.0	46.2	
88	16.1	0.0	32.6	





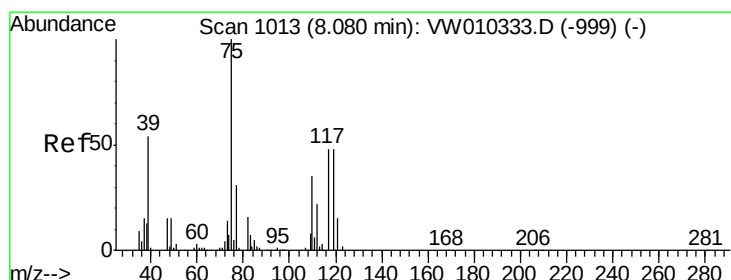
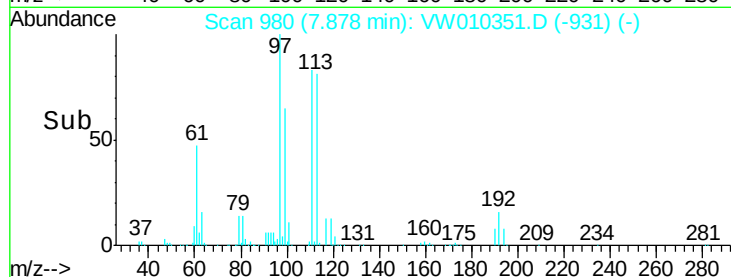
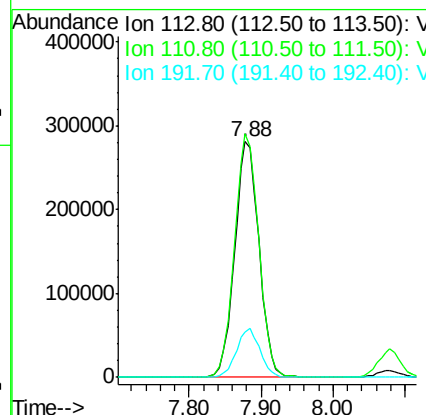
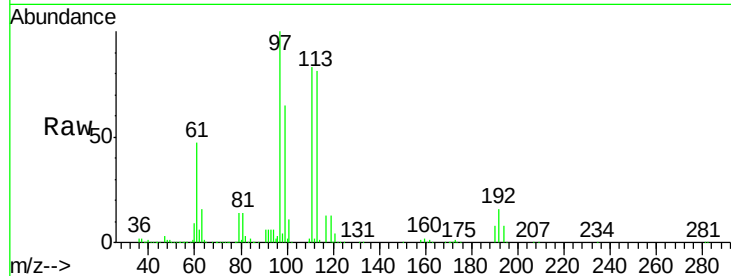
#35
 Dibromofluoromethane
 Concen: 48.696 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	658837		
111	103.1	82.6	123.8	
192	20.2	15.4	23.2	

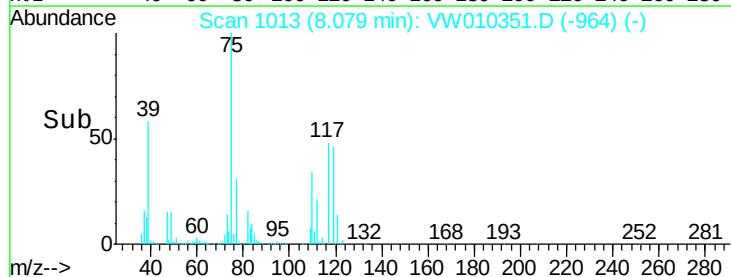
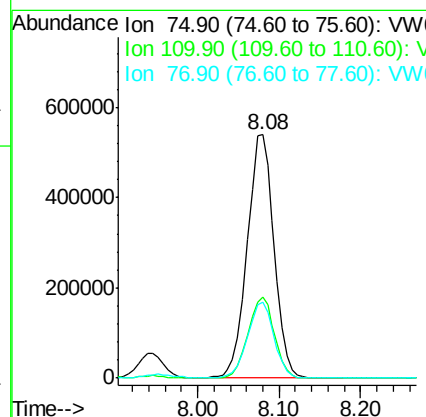
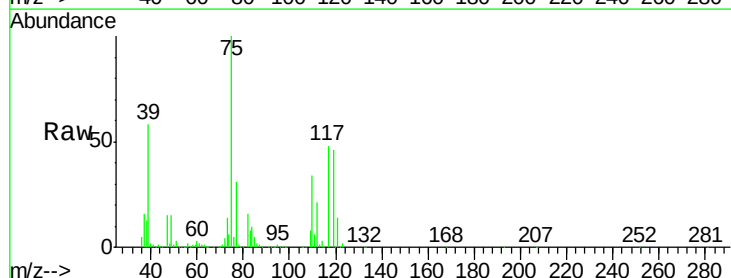
Manual Integrations
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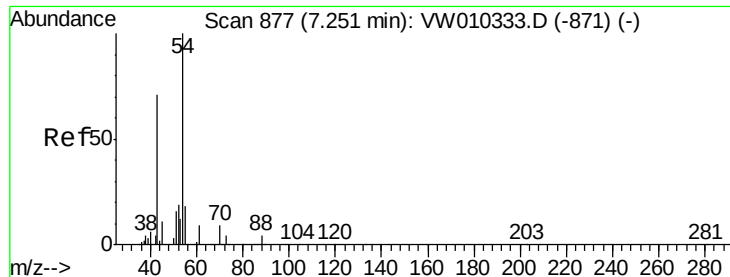
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#36
 1,1-Dichloropropene
 Concen: 49.107 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1231029		
110	32.9	16.6	49.8	
77	30.8	24.8	37.2	





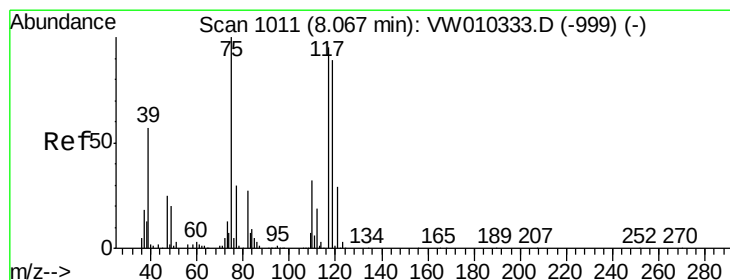
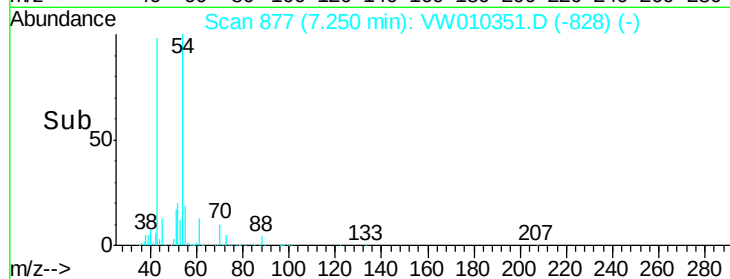
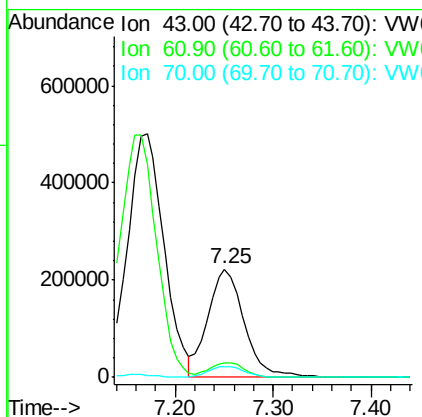
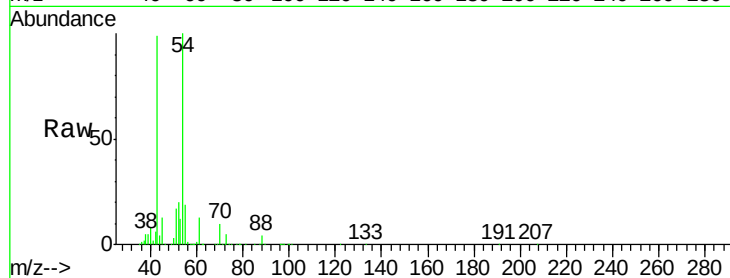
#37
Ethyl Acetate
Concen: 42.244 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	9.8	14.8
70	10.2	7.4	11.0

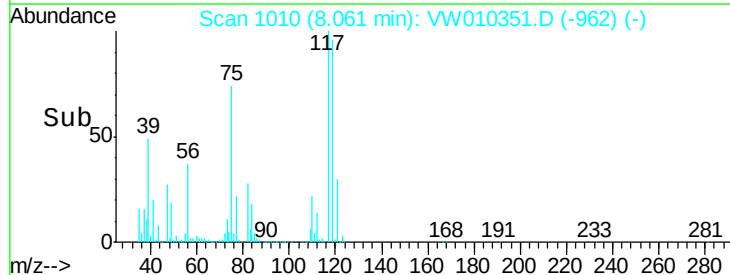
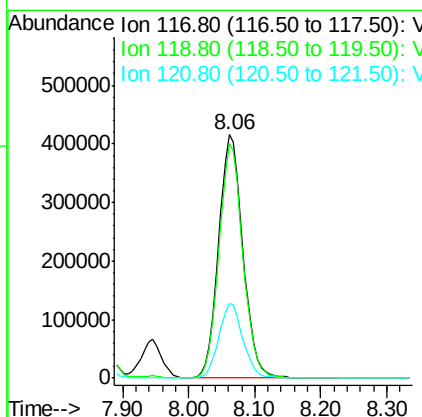
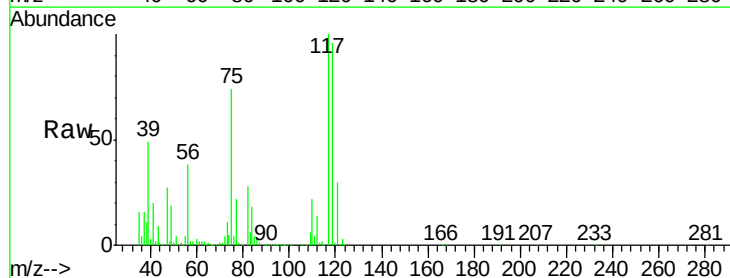
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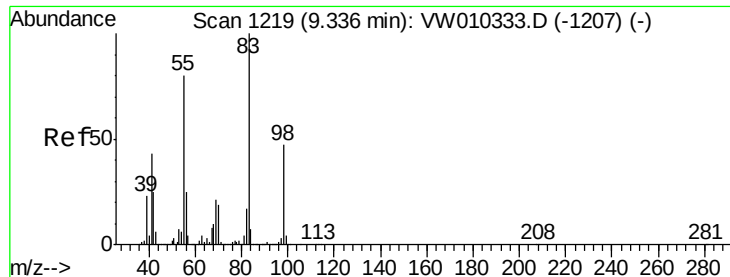
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#38
Carbon Tetrachloride
Concen: 48.914 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.3	112.9
121	30.4	24.4	36.6





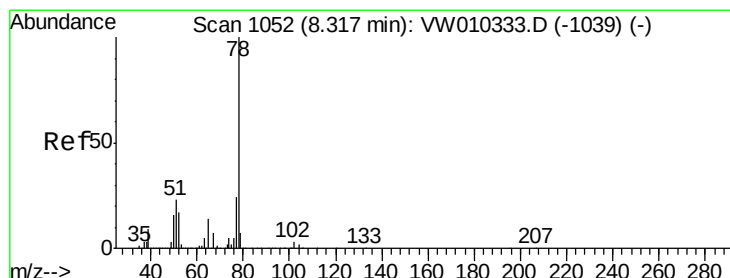
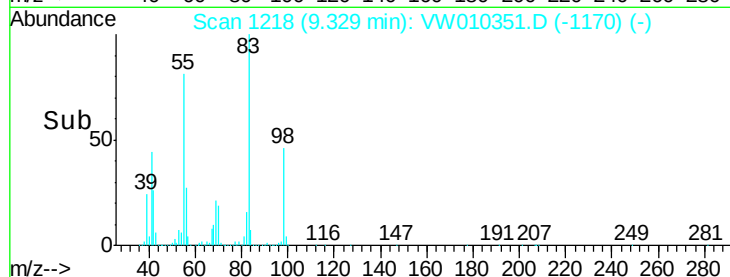
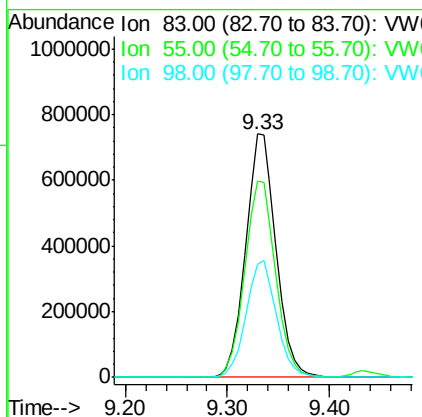
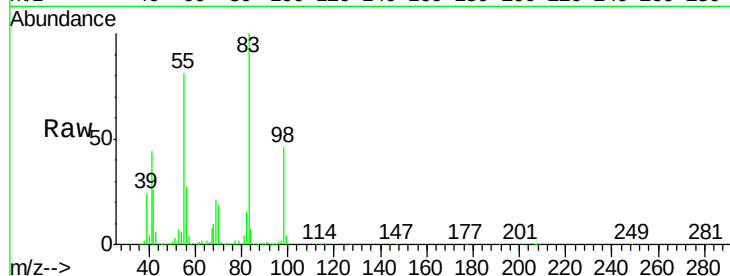
#39
Methylvlcyclohexane
Concen: 50.025 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	67.1	100.7
98	46.2	39.2	58.8

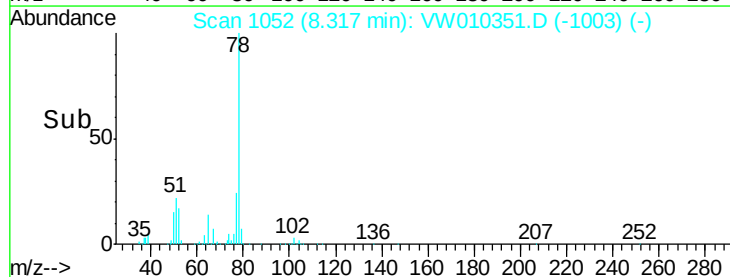
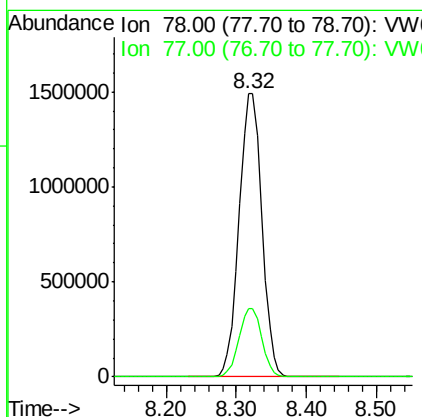
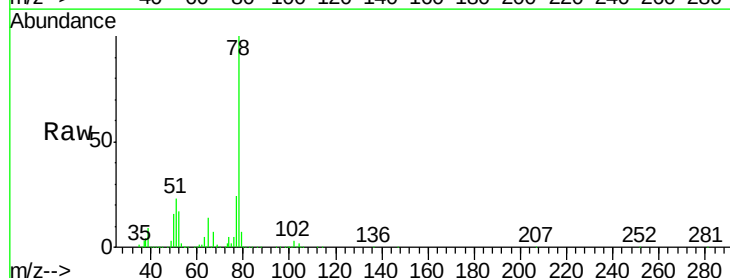
Manual Integrations
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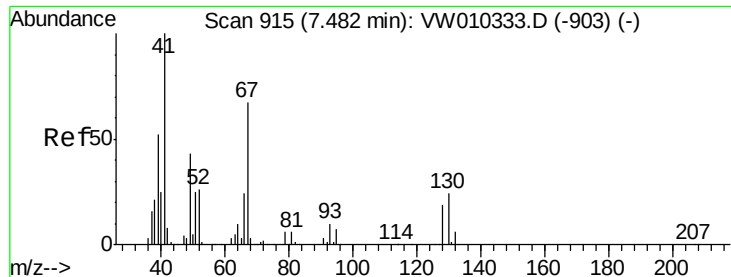
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#40
Benzene
Concen: 49.252 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





#41

Methacrylonitrile

Concen: 44.309 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 331669

Ion Ratio Lower Upper

41 100

39 52.7 45.0 67.4

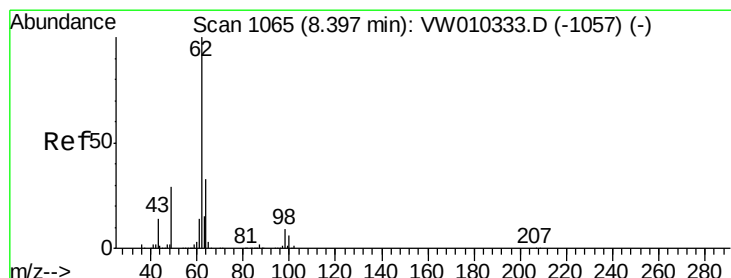
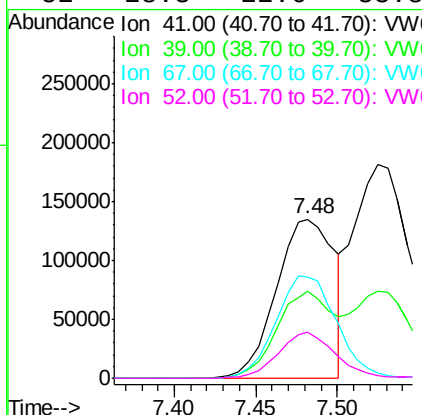
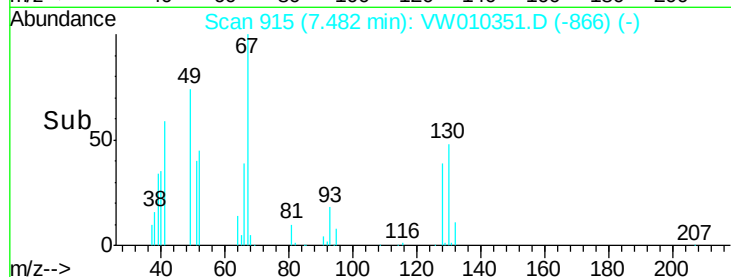
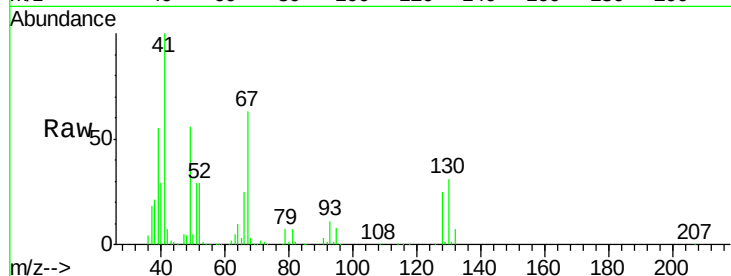
67 68.0 50.7 76.1

52 28.3 22.6 33.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.987 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010351.D

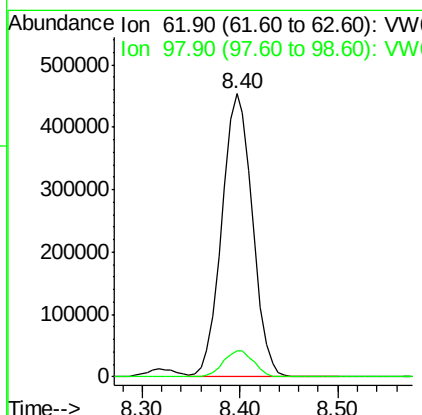
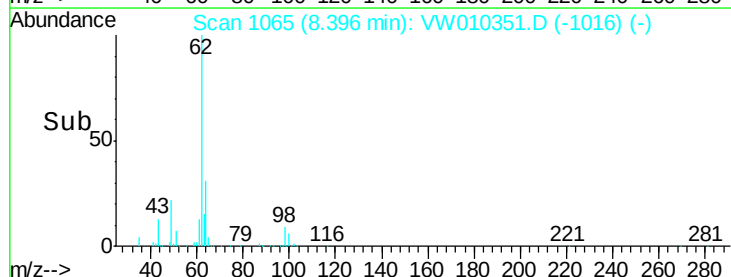
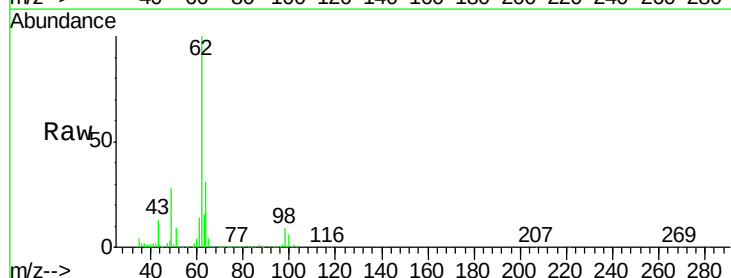
Acq: 10 May 2019 12:34

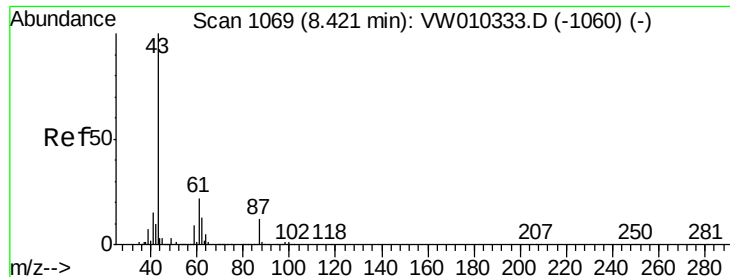
Tgt Ion: 62 Resp: 982307

Ion Ratio Lower Upper

62 100

98 9.4 0.0 16.6





#43

Isopropyl Acetate

Concen: 45.962 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1017419

Ion Ratio Lower Upper

43 100

61 30.5 23.0 34.6

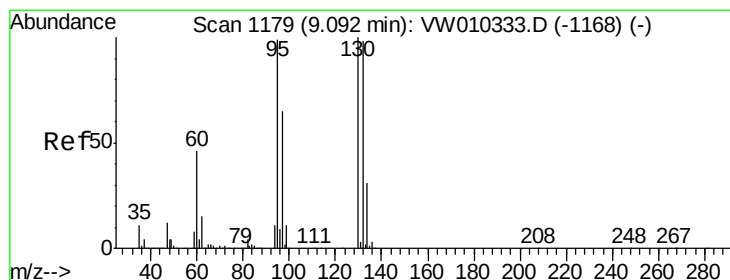
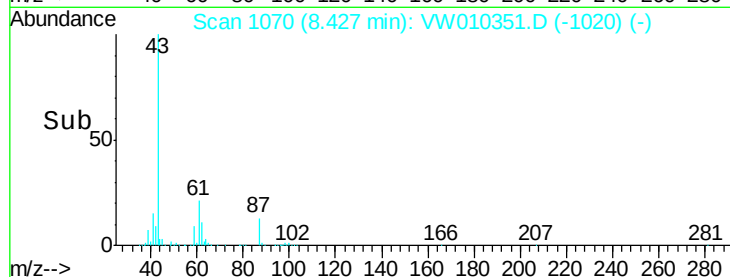
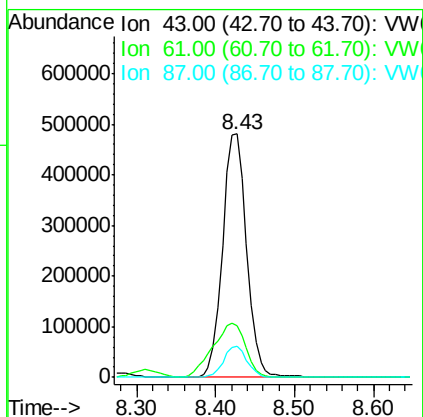
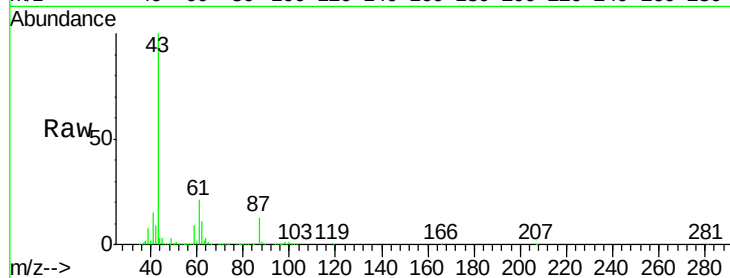
87 12.6 9.3 13.9

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#44

Trichloroethene

Concen: 48.954 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010351.D

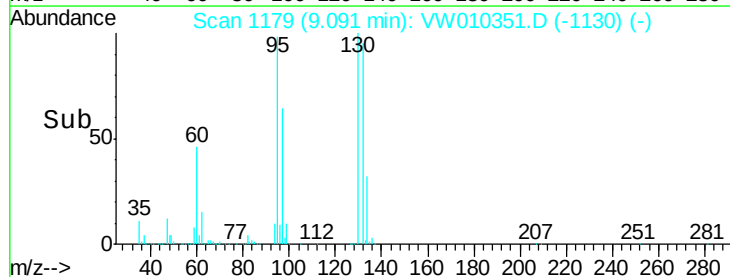
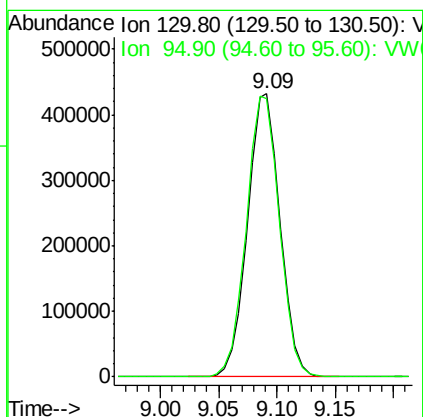
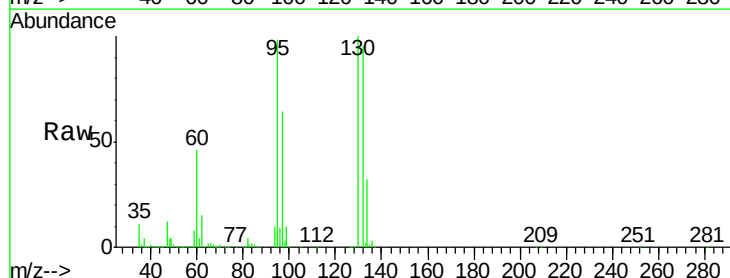
Acq: 10 May 2019 12:34

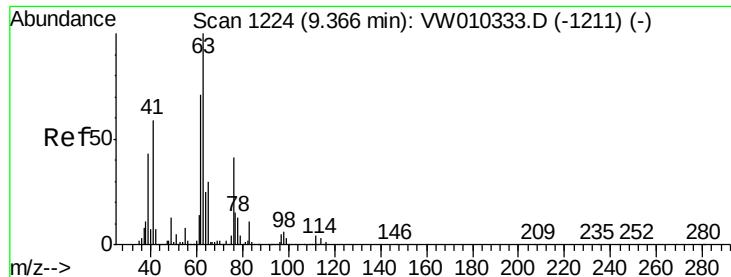
Tgt Ion: 130 Resp: 841401

Ion Ratio Lower Upper

130 100

95 98.2 0.0 205.4





#45

1,2-Dichloropropane

Concen: 50.592 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 863372

Ion Ratio Lower Upper

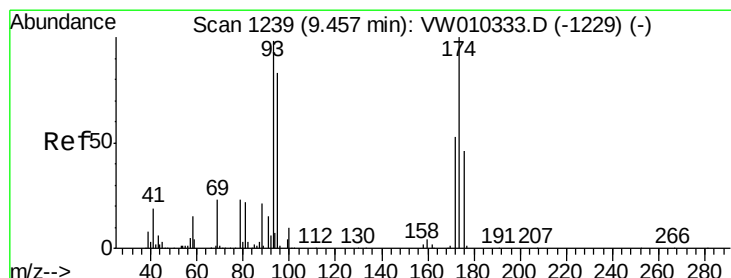
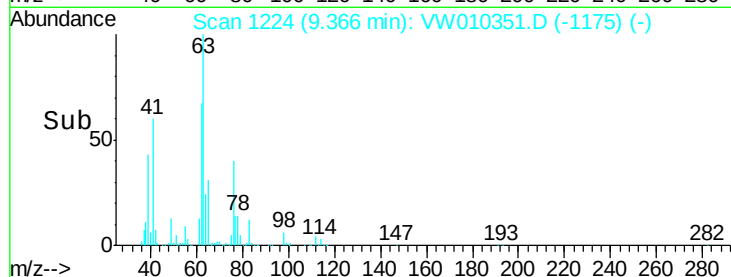
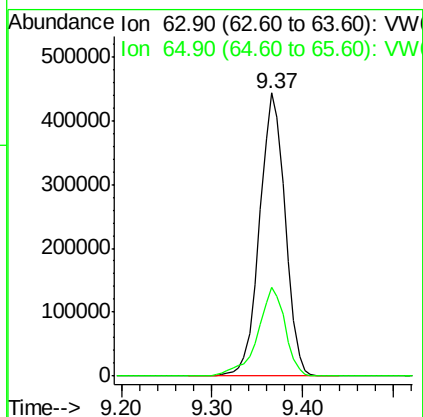
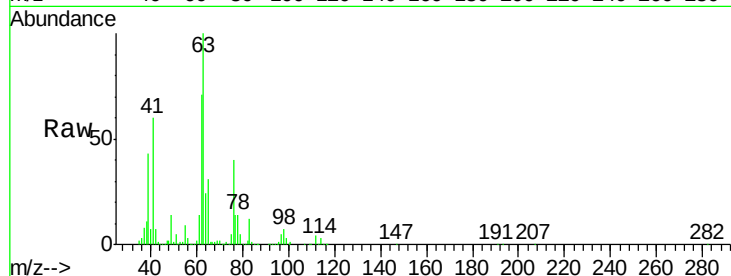
63 100

65 31.4 23.8 35.6

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#46

Dibromomethane

Concen: 47.423 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

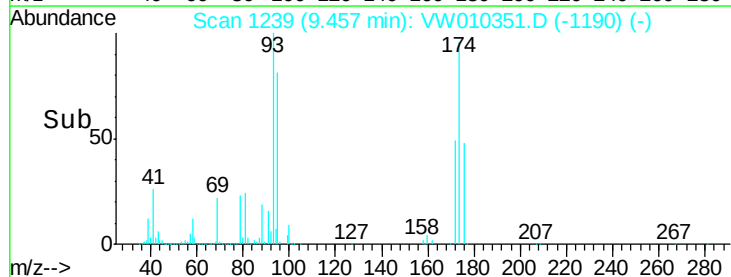
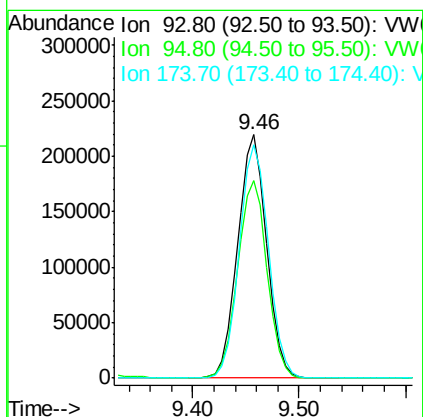
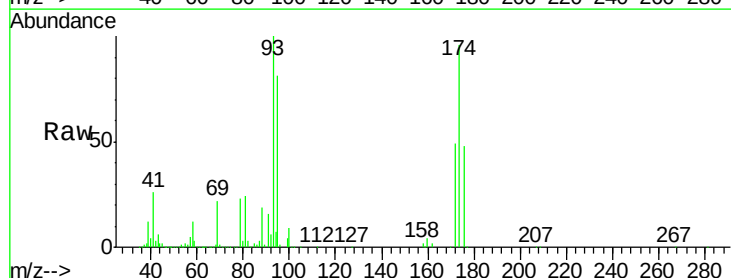
Tgt Ion: 93 Resp: 418085

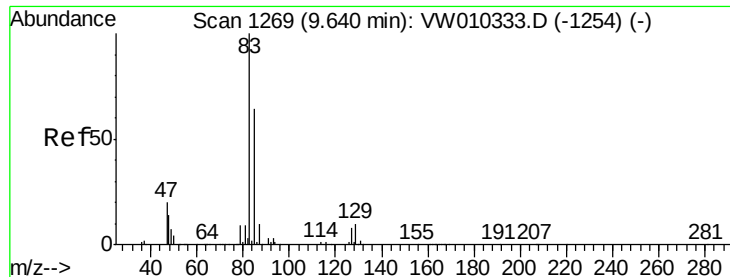
Ion Ratio Lower Upper

93 100

95 82.6 65.8 98.8

174 97.0 75.5 113.3





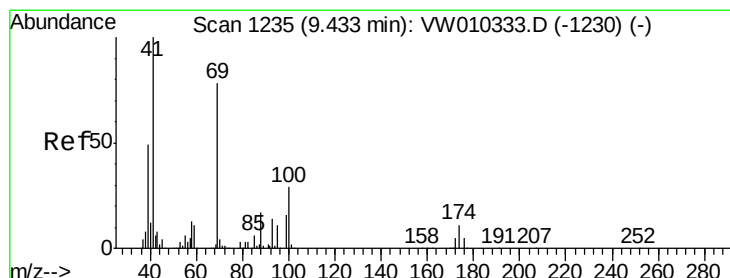
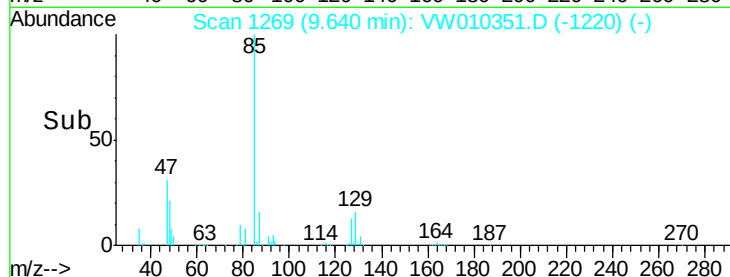
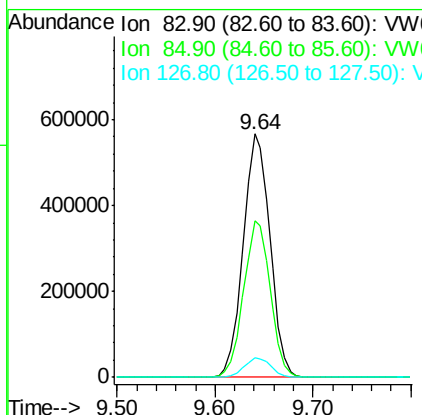
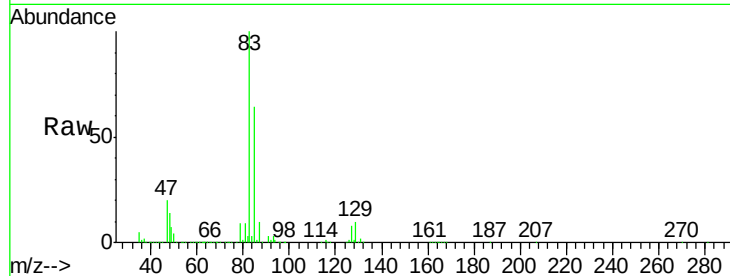
#47
Bromodichloromethane
Concen: 50.712 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	1072451
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.6	75.8
127	8.0	6.6	10.0

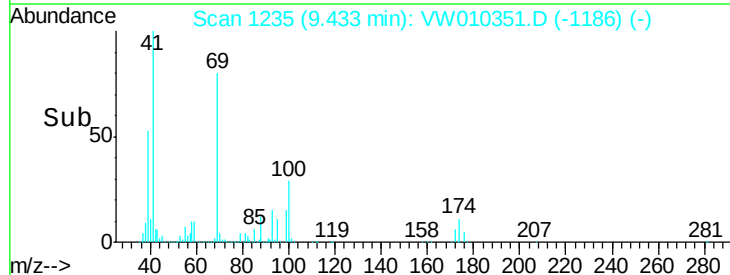
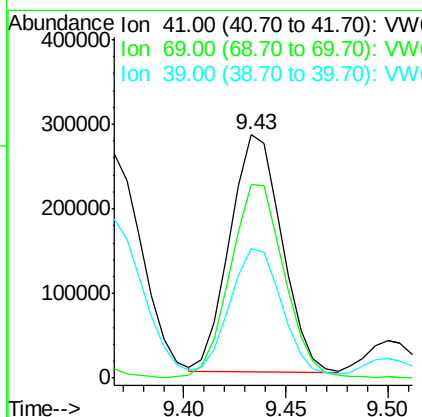
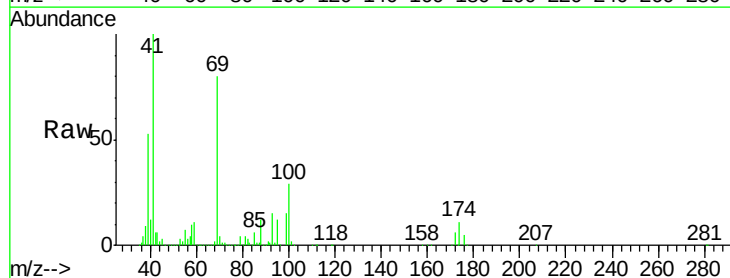
Manual Integrations
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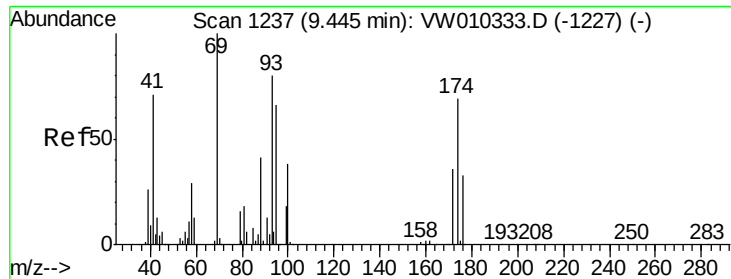
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#48
Methyl methacrylate
Concen: 47.225 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion	41	Resp	494283
Ion Ratio	100	Lower	Upper
41	100		
69	85.5	60.1	90.1
39	52.3	51.0	76.6





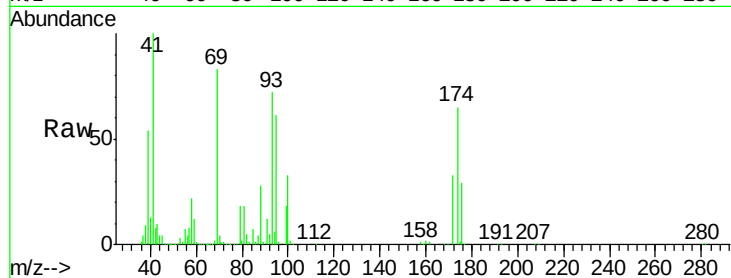
#49
1,4-Dioxane
Concen: 792.819 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	121892		
43	35.7		31.9	47.9
58	79.8		61.8	92.6

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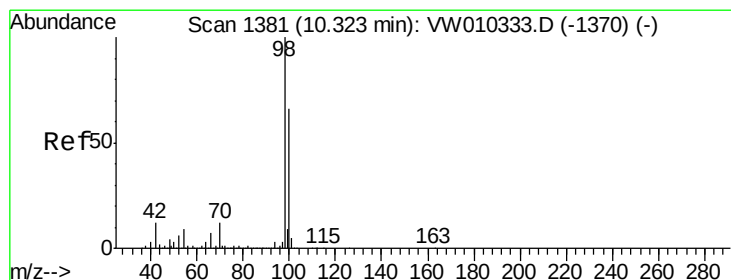
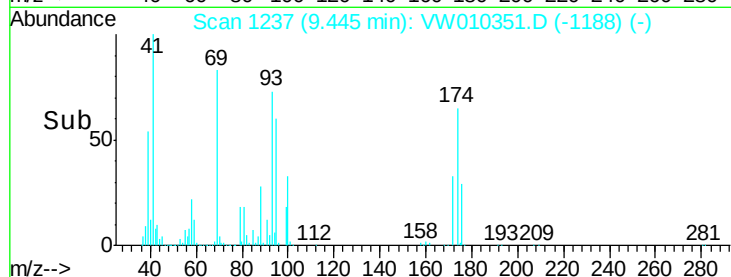
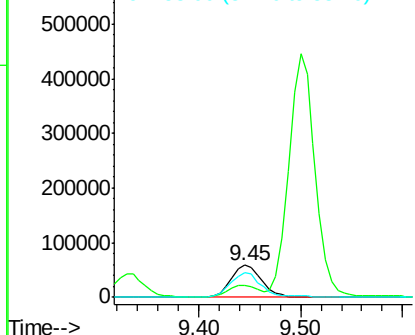


Abundance

Ion 88.00 (87.70 to 88.70): VW

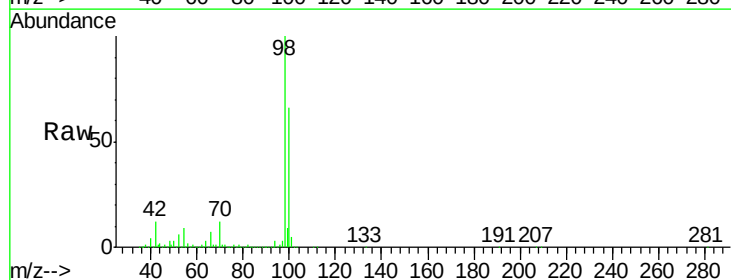
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 48.776 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

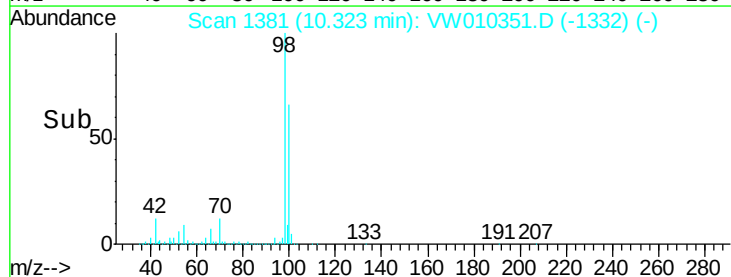
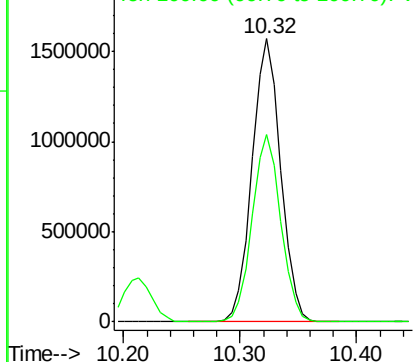
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2687188		
100	66.0		52.3	78.5

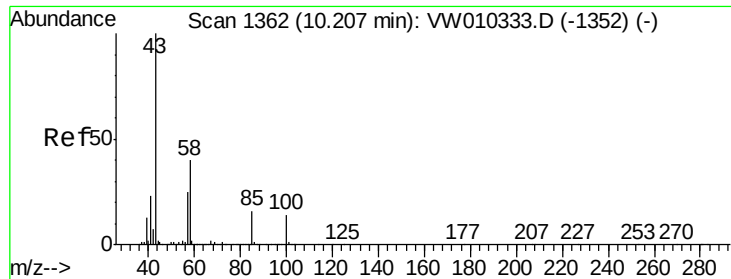


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 219.280 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2783337

Ion Ratio Lower Upper

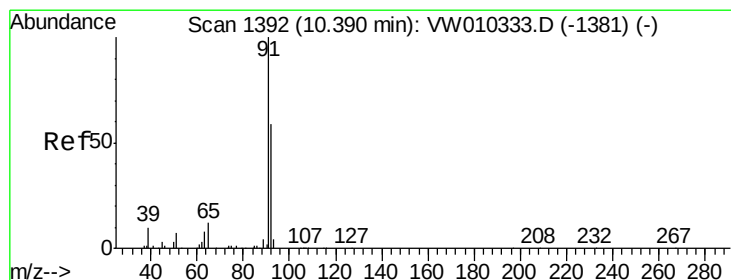
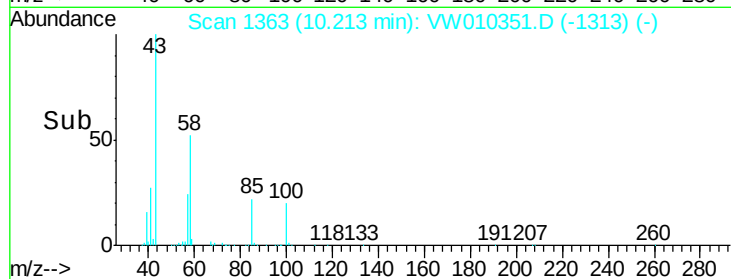
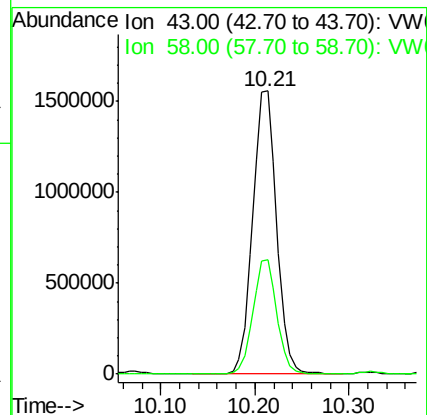
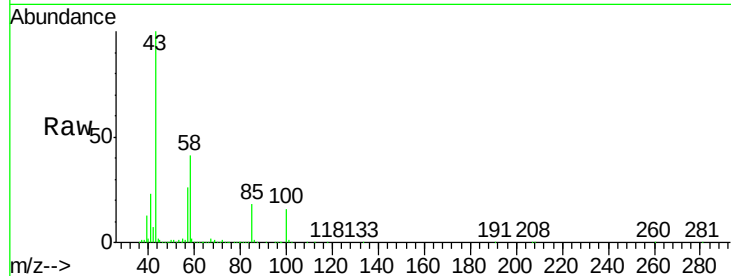
43 100

58 40.0 28.9 43.3

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#52

Toluene

Concen: 50.310 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010351.D

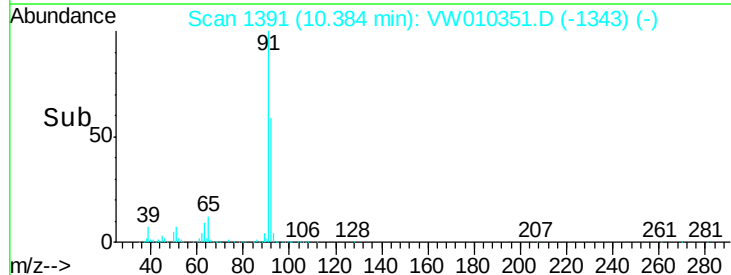
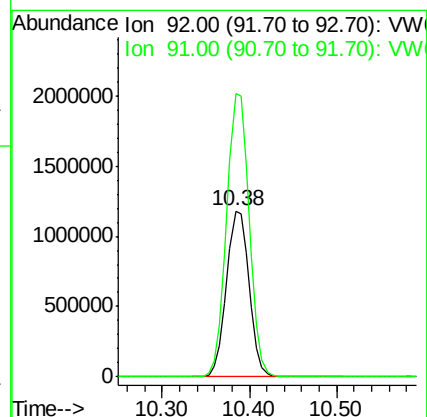
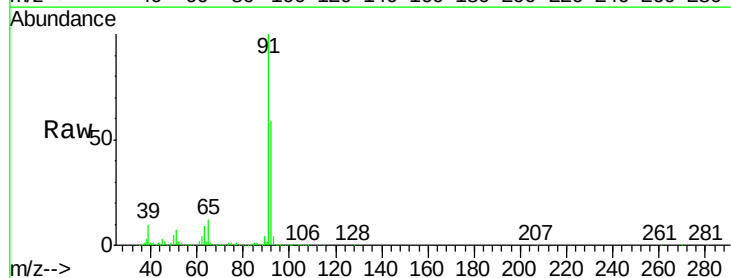
Acq: 10 May 2019 12:34

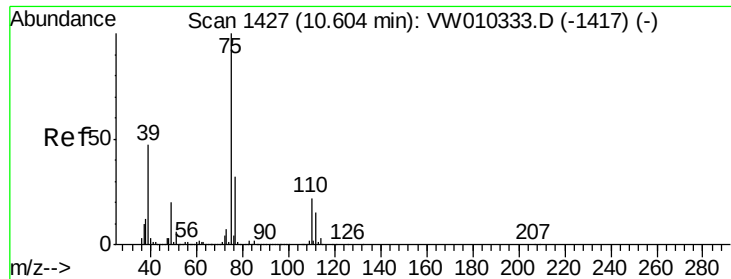
Tgt Ion: 92 Resp: 2111136

Ion Ratio Lower Upper

92 100

91 170.7 138.5 207.7





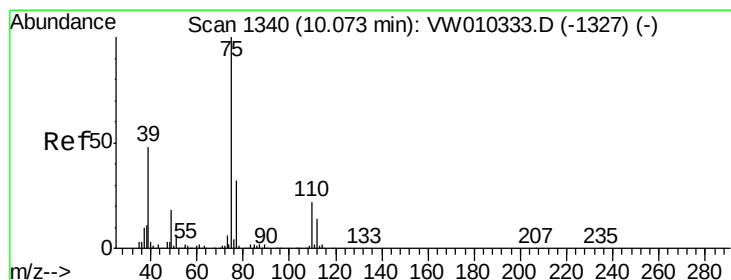
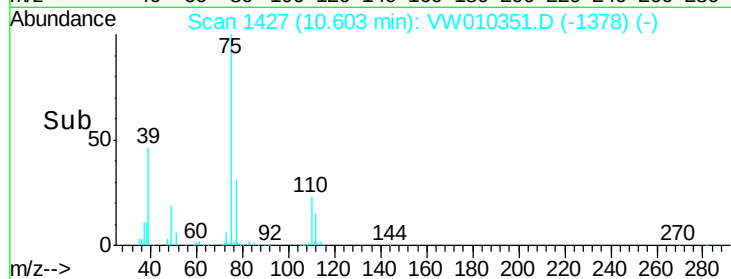
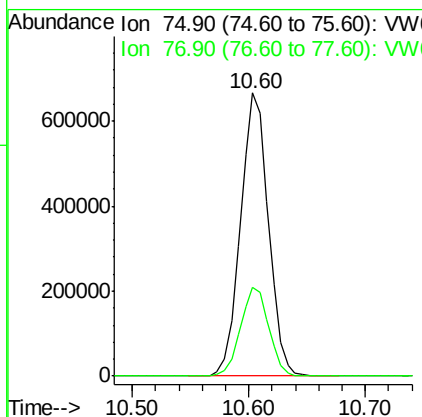
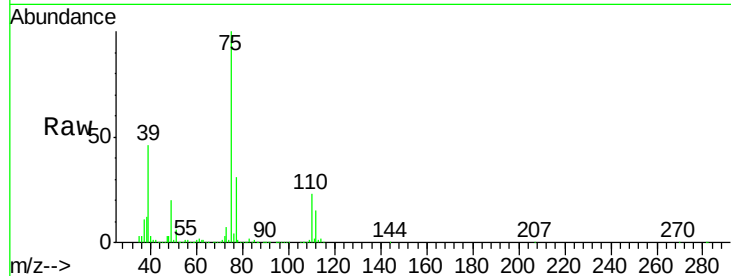
#53
 t-1,3-Dichloropropene
 Concen: 51.894 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 1111631
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.9 40.3

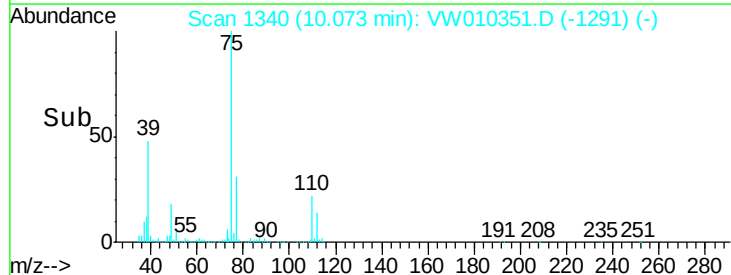
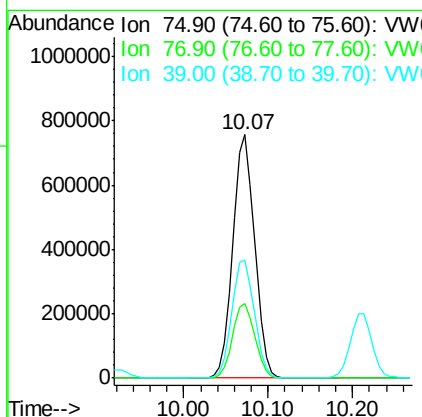
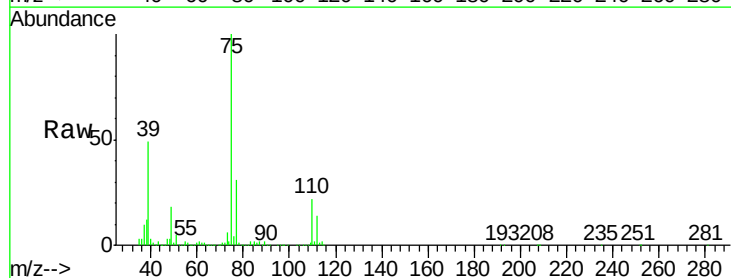
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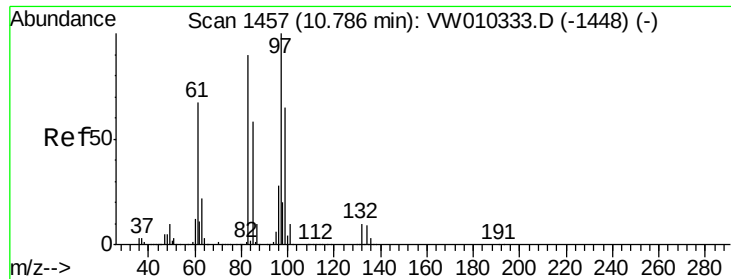
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#54
 cis-1,3-Dichloropropene
 Concen: 52.199 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Tgt Ion: 75 Resp: 1324233
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.6 38.4
 39 48.5 47.8 71.6





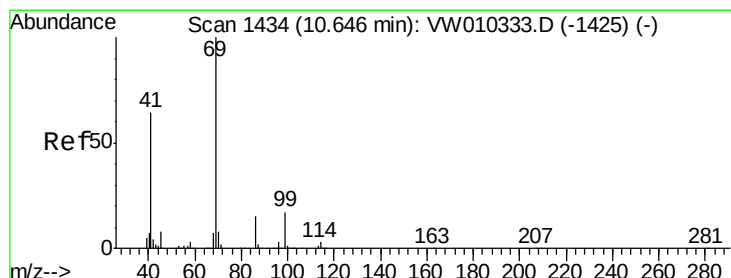
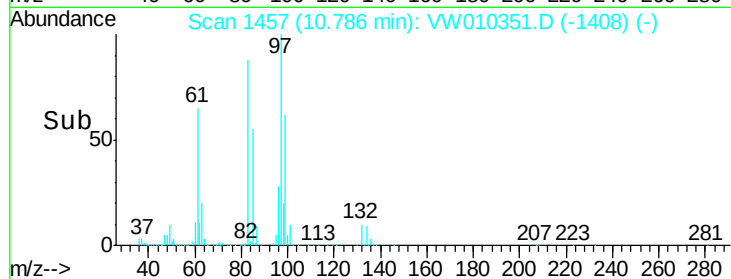
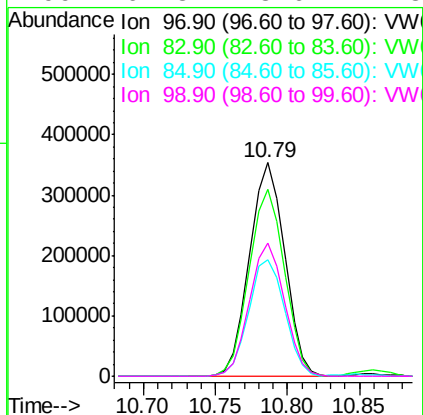
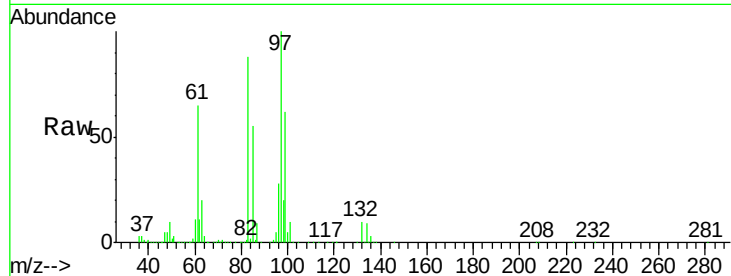
#55
 1,1,2-Trichloroethane
 Concen: 47.909 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		599903		
83	87.6	68.9	103.3		
85	54.8	42.9	64.3		
99	62.3	48.6	72.8		

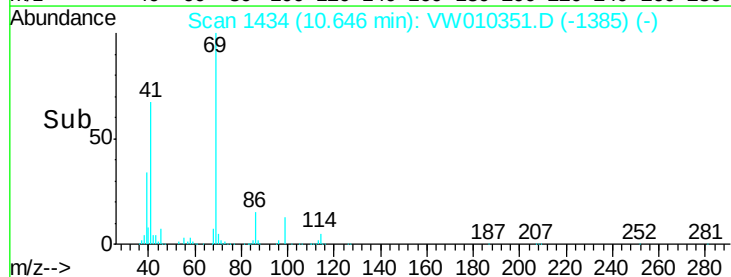
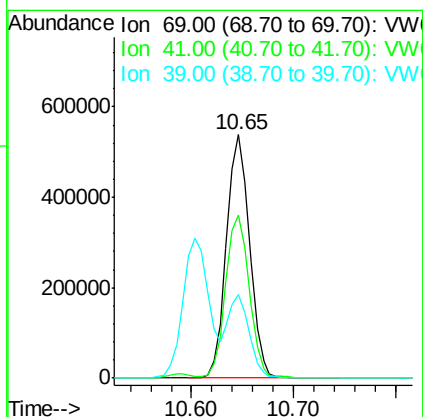
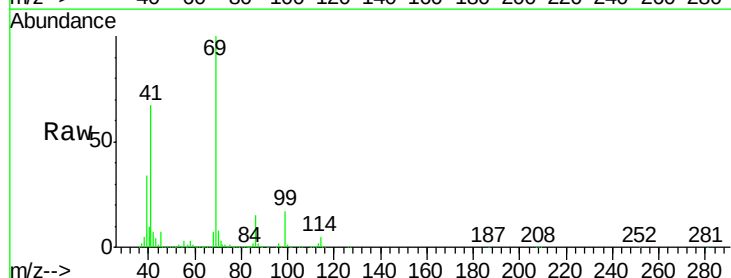
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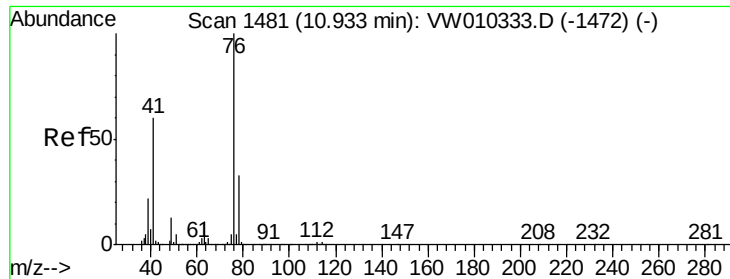
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#56
 Ethyl methacrylate
 Concen: 51.188 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		846426		
41	68.5	61.0	91.6		
39	31.9	33.8	50.6#		





#57

1,3-Dichloropropane

Concen: 49.021 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1097339

Ion Ratio Lower Upper

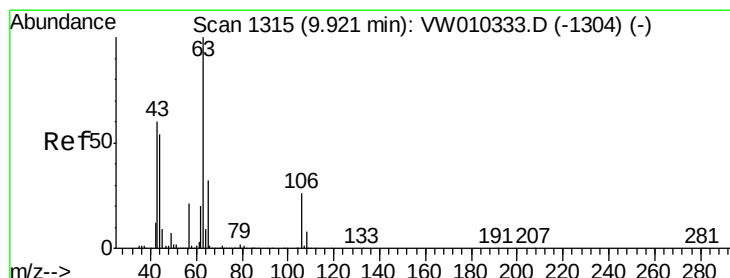
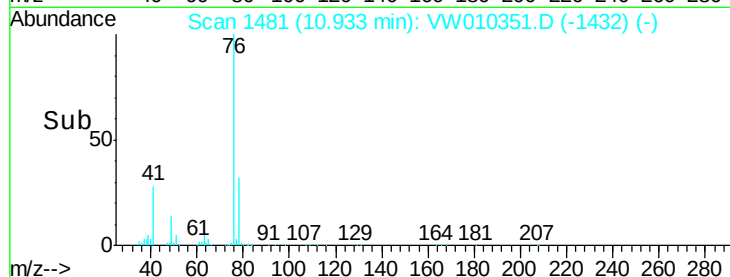
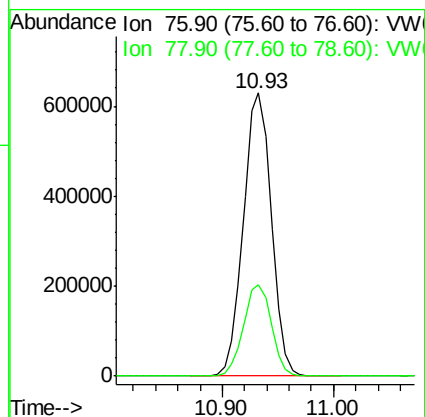
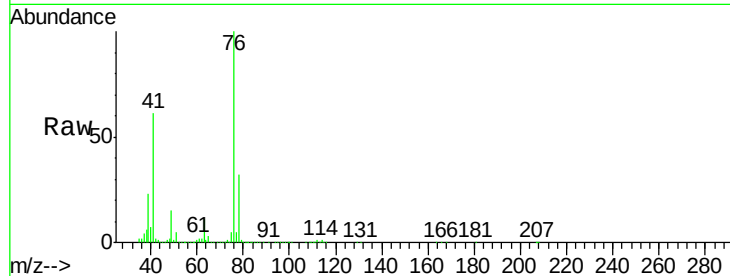
76 100

78 32.6 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 263.233 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010351.D

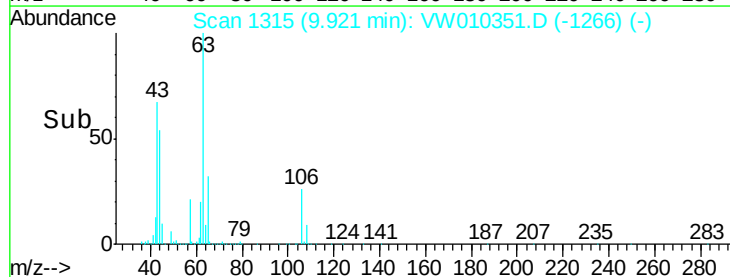
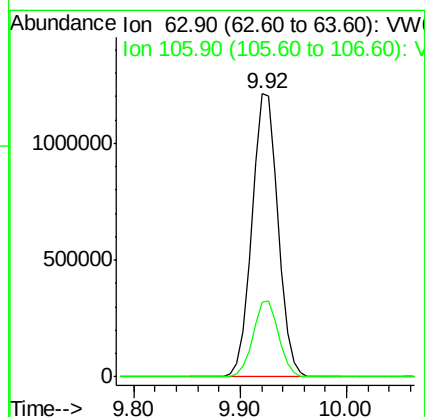
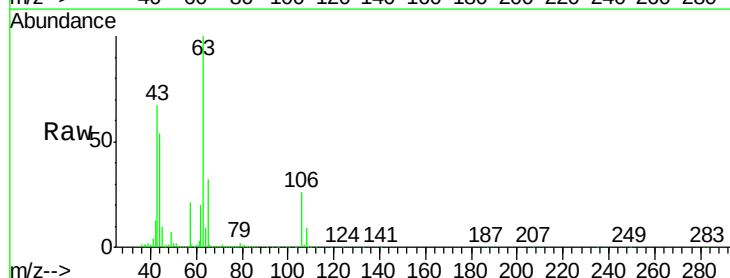
Acq: 10 May 2019 12:34

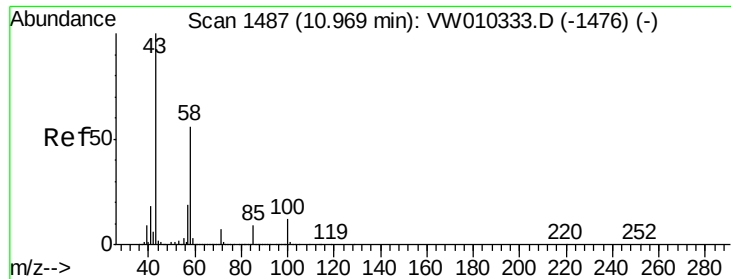
Tgt Ion: 63 Resp: 2084004

Ion Ratio Lower Upper

63 100

106 26.5 21.4 32.0





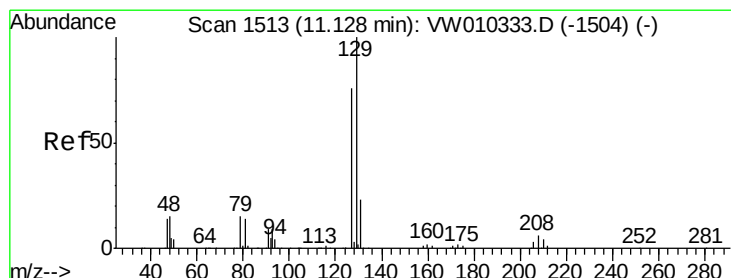
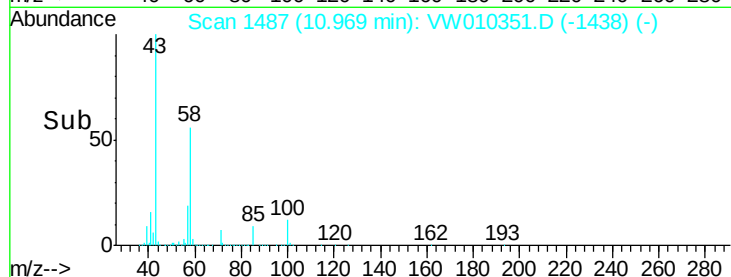
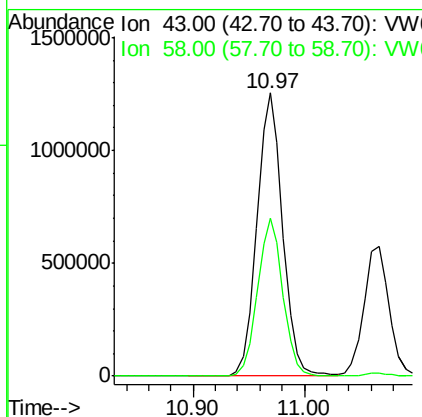
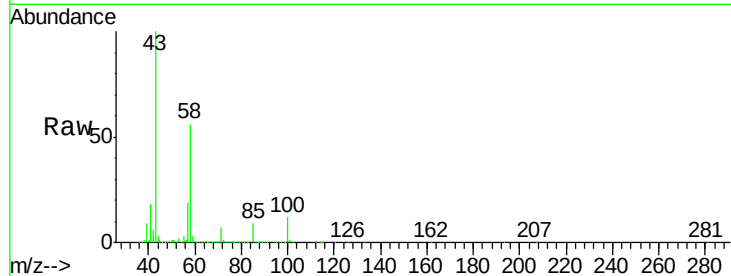
#59
2-Hexanone
Concen: 223.872 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2009126
Ion Ratio Lower Upper
43 100
58 55.0 24.9 74.7

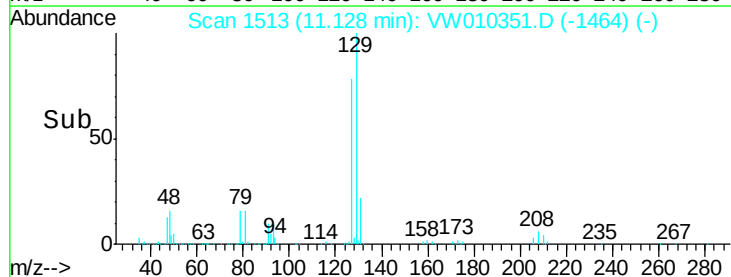
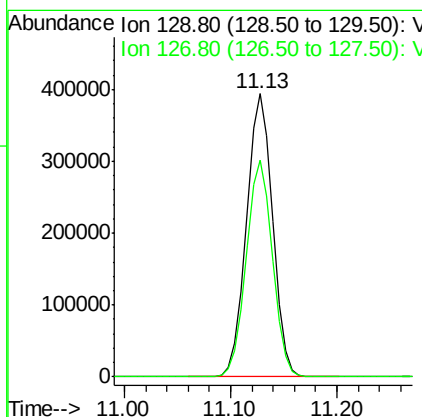
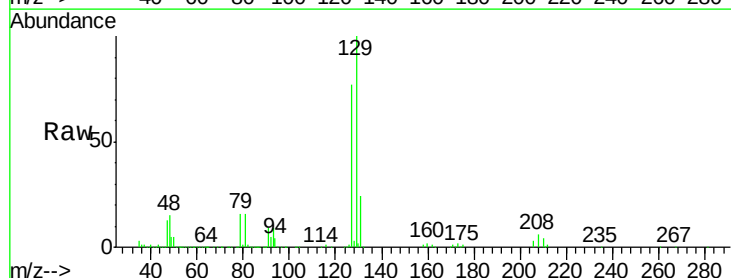
Manual Integrations
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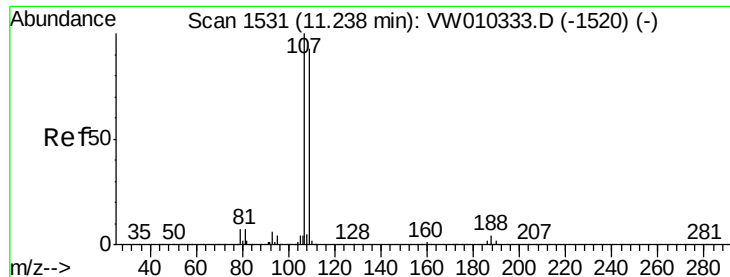
MMDadoda
5/11/2019 12:11:58 PM



#60
Dibromochloromethane
Concen: 50.417 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion: 129 Resp: 679329
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





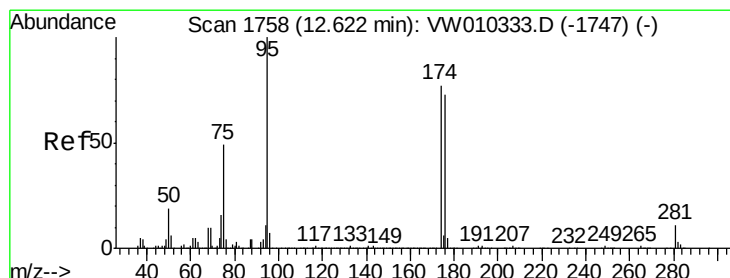
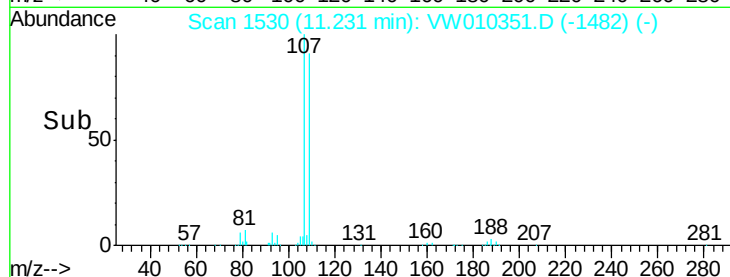
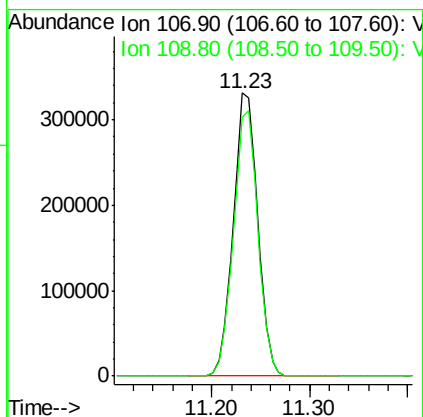
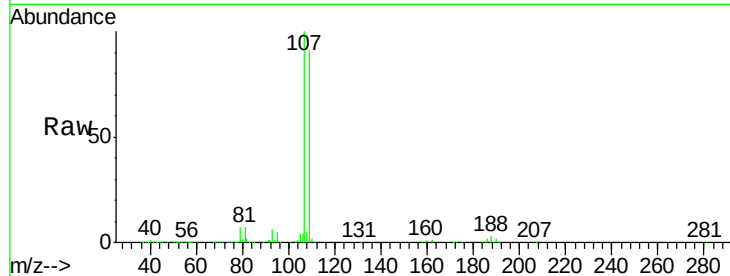
#61
 1,2-Dibromoethane
 Concen: 47.946 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.6	110.4

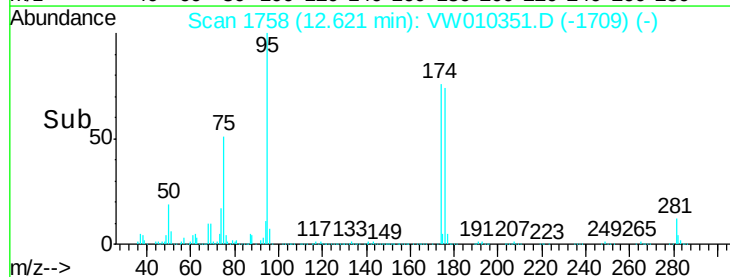
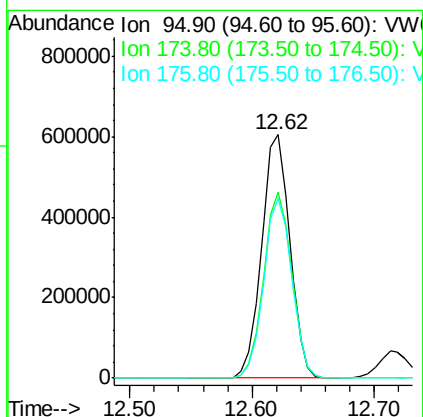
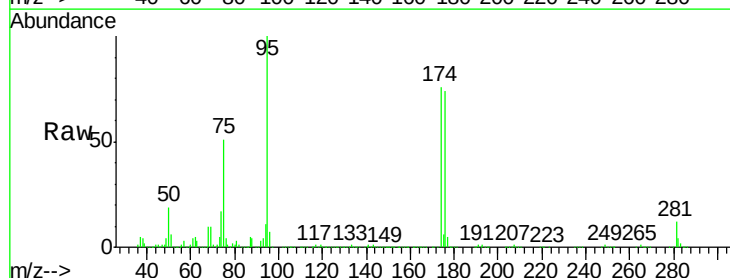
Manual Integrations
 APPROVED

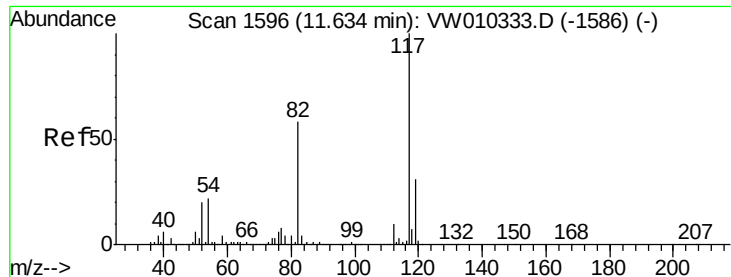
MMDadoda
 5/11/2019 12:11:58 PM



#62
 4-Bromofluorobenzene
 Concen: 50.250 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	151.4
176	73.5	0.0	146.2





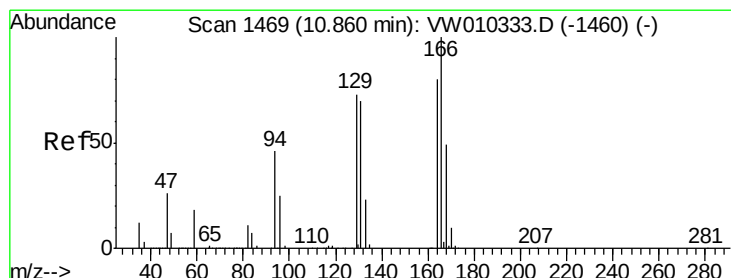
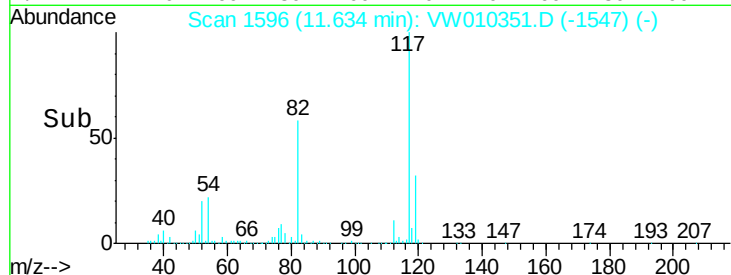
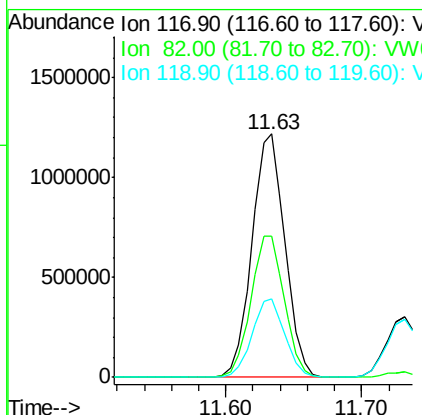
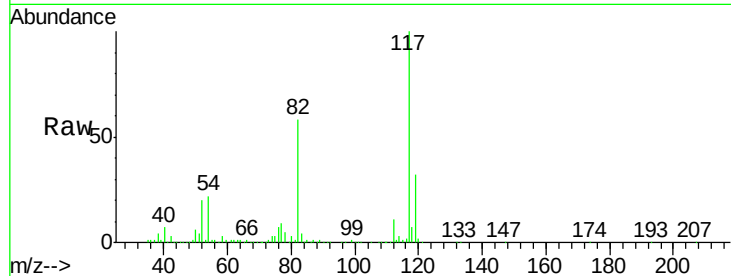
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 2070752
Ion Ratio Lower Upper
117 100
82 57.9 45.2 67.8
119 32.4 25.4 38.2

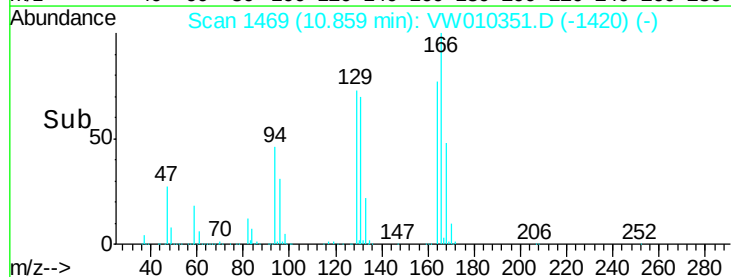
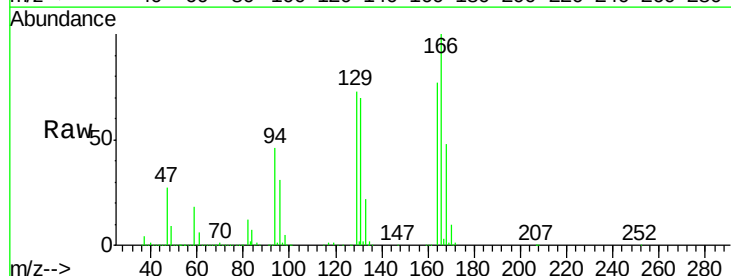
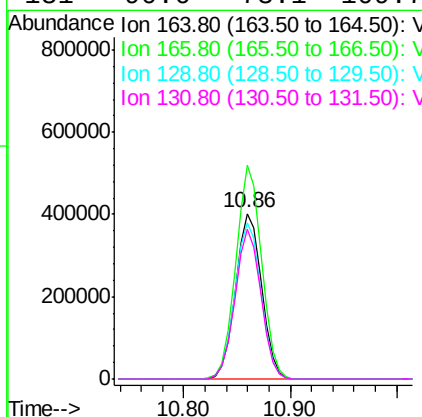
Manual Integrations
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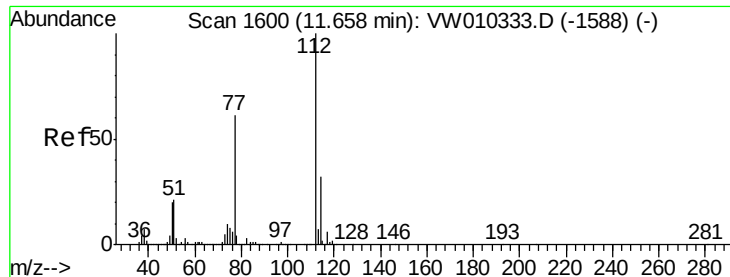
MMDadoda
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#64
Tetrachloroethene
Concen: 47.687 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion:164 Resp: 690178
Ion Ratio Lower Upper
164 100
166 129.1 101.2 151.8
129 94.6 77.8 116.6
131 90.6 73.1 109.7





#65

Chlorobenzene

Concen: 49.976 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2142234

Ion Ratio Lower Upper

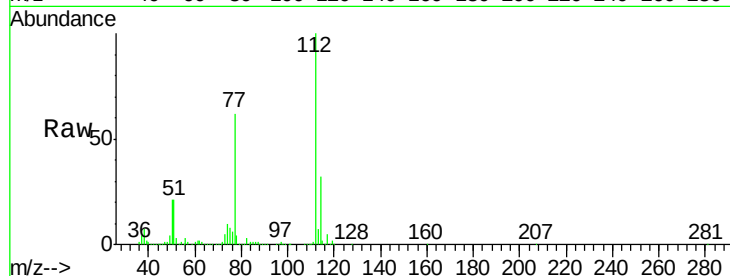
112 100

114 31.6 26.5 39.7

Manual Integrations
APPROVED

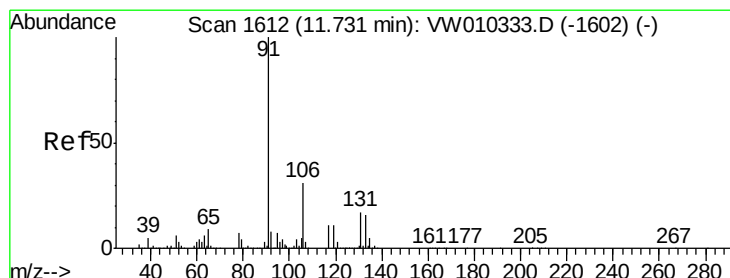
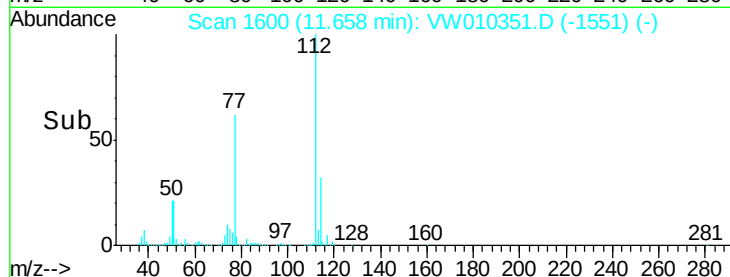
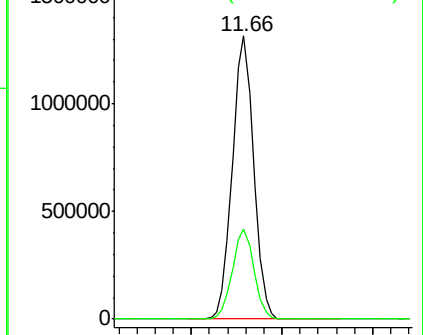
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.982 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

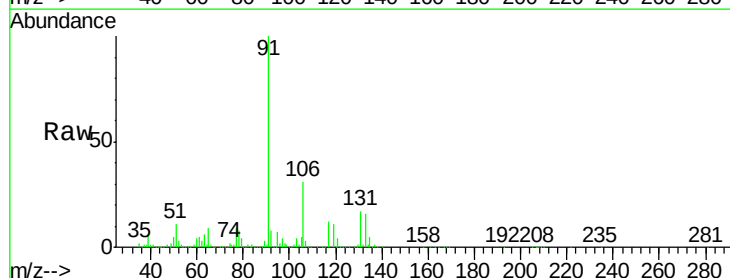
Tgt Ion:131 Resp: 738631

Ion Ratio Lower Upper

131 100

133 94.7 46.5 139.5

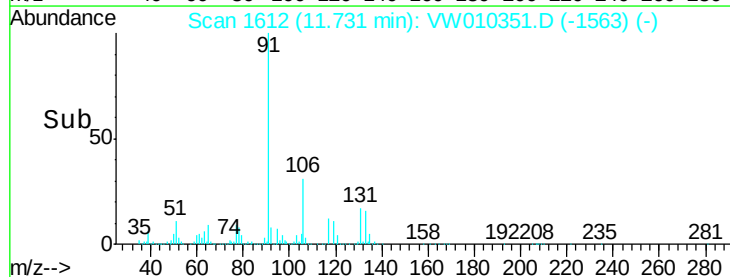
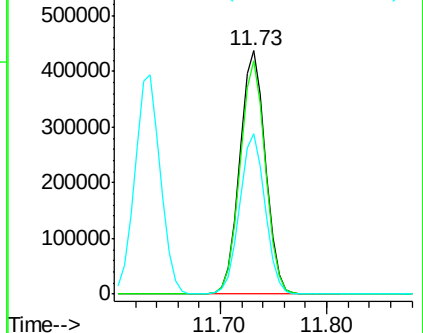
119 65.5 31.9 95.5

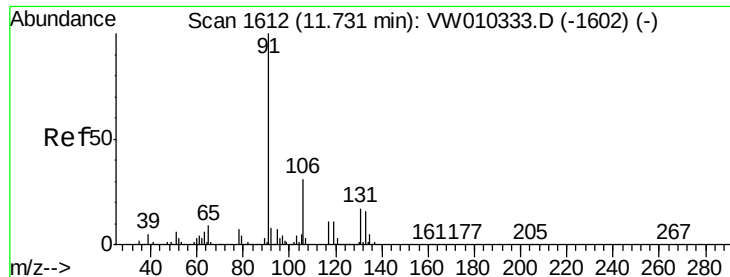


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





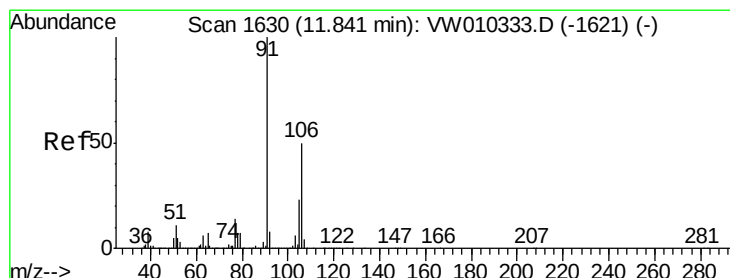
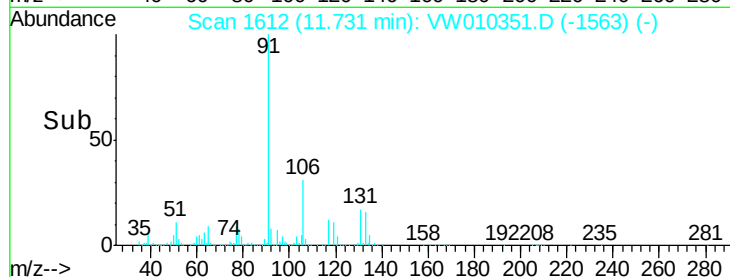
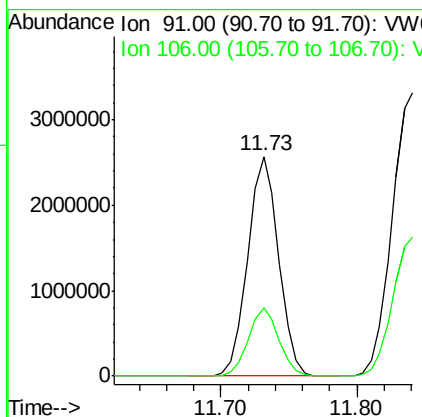
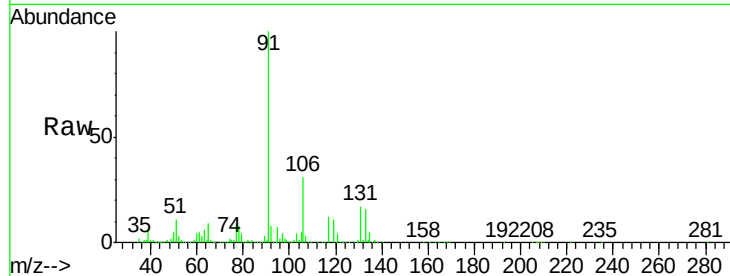
#67
Ethyl Benzene
Concen: 51.619 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 4070491
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.8

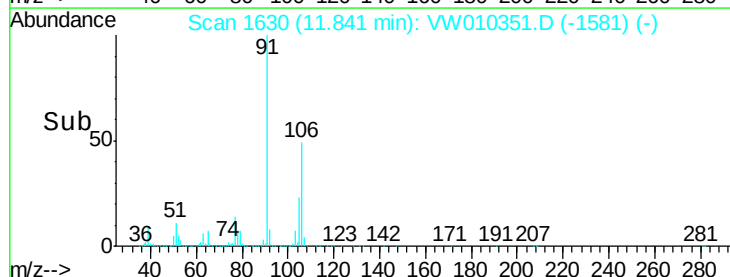
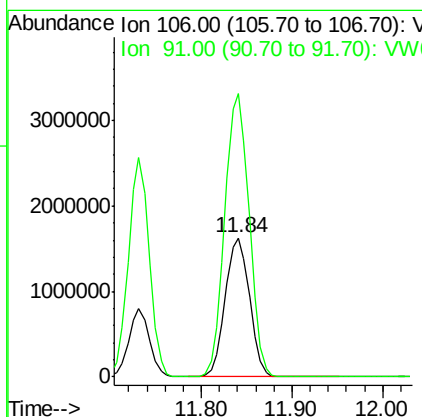
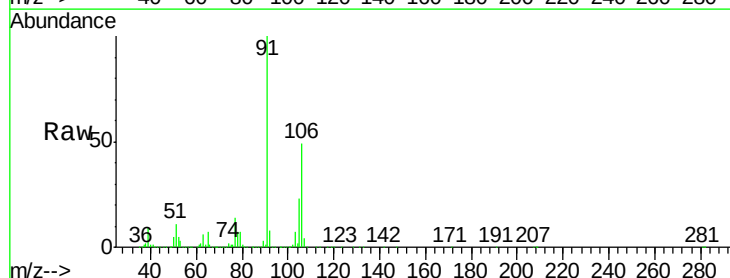
Manual Integrations
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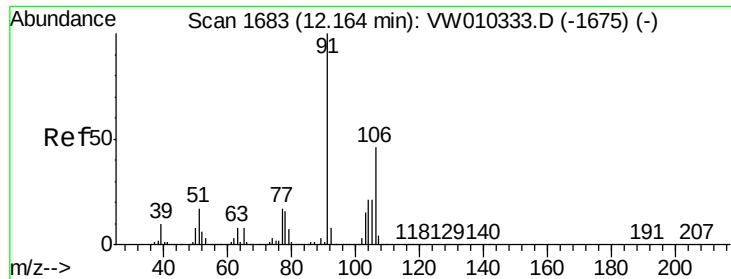
MMDadoda
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#68
m/p-Xylenes
Concen: 103.418 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion:106 Resp: 3030011
Ion Ratio Lower Upper
106 100
91 204.2 165.0 247.6





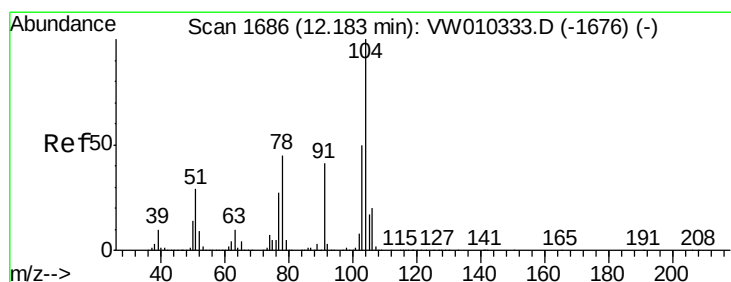
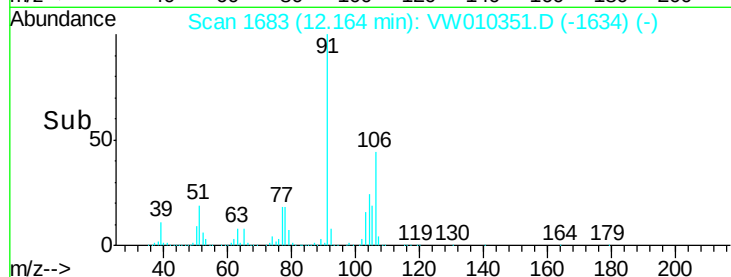
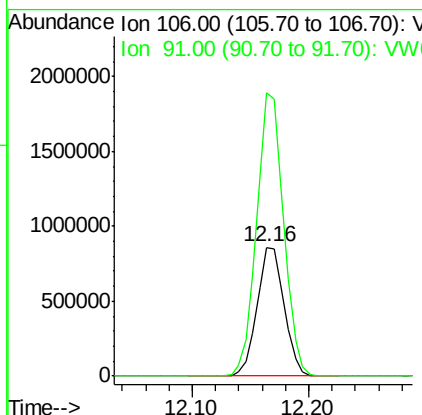
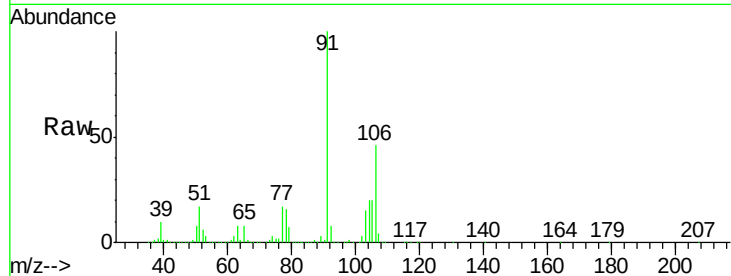
#69
o-Xylene
Concen: 52.467 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1390570
Ion Ratio Lower Upper
106 100
91 218.8 110.5 331.4

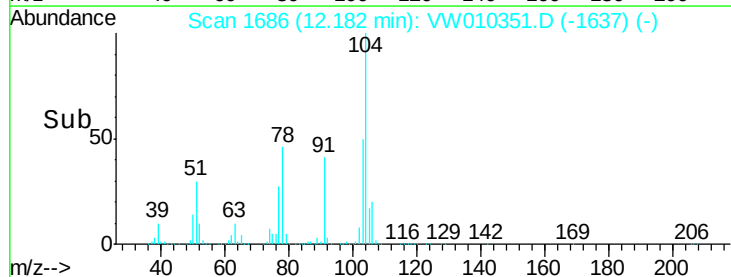
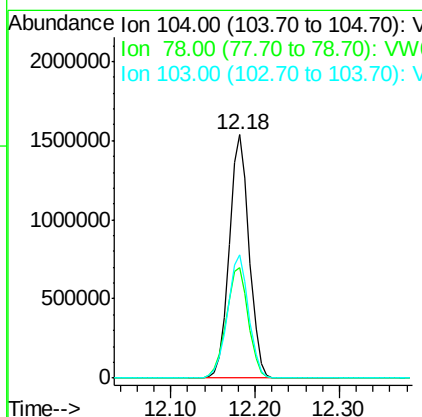
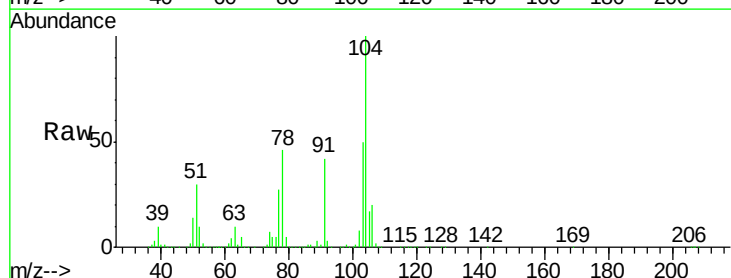
Manual Integrations
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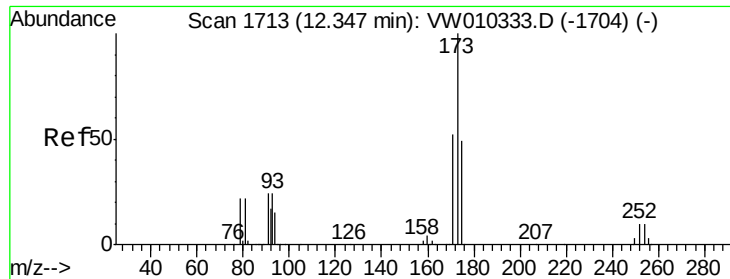
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#70
Styrene
Concen: 53.384 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion:104 Resp: 2465329
Ion Ratio Lower Upper
104 100
78 50.8 42.5 63.7
103 54.0 43.6 65.4





#71

Bromoform

Concen: 46.651 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

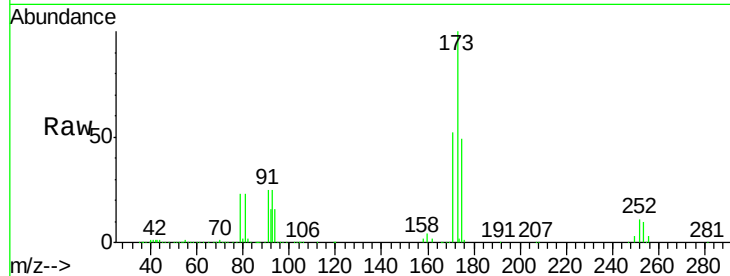
ClientSampleId :

VSTDCCC050

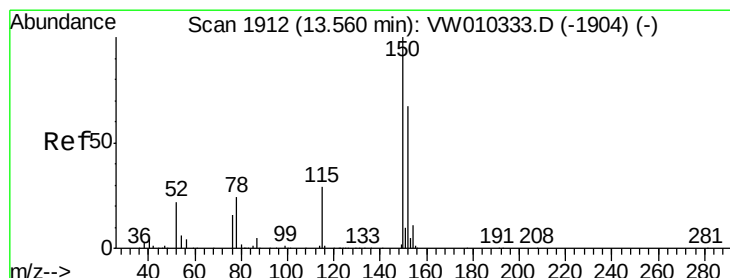
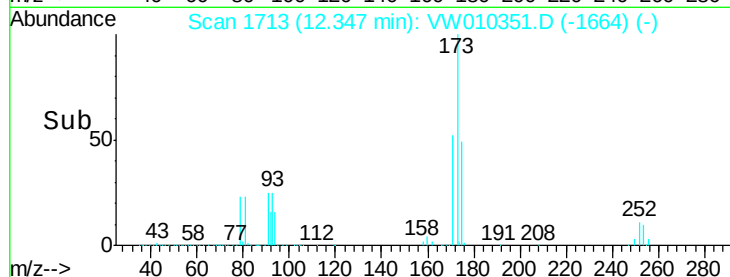
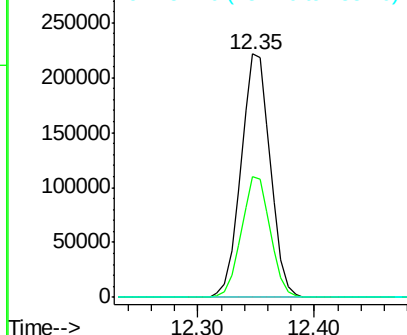
Tot Ion:	173	Resp:	386363
Ion Ratio	Lower	Upper	
173	100		
175	49.1	23.8	71.4
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

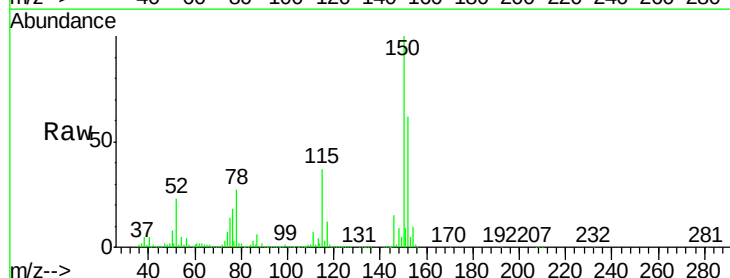
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

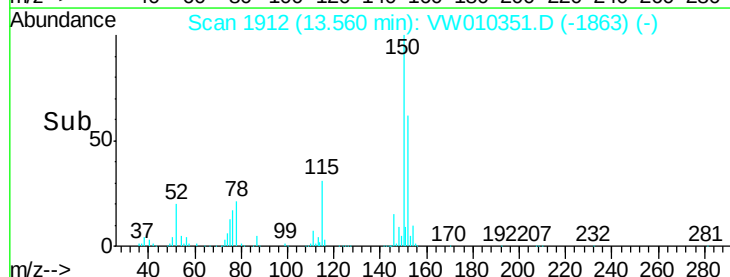
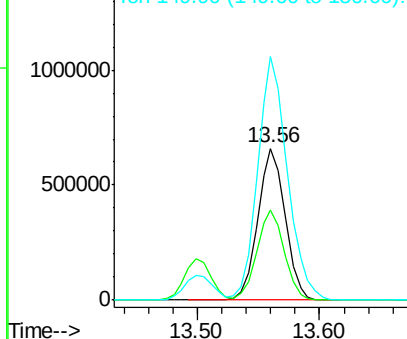
Lab File: VW010351.D

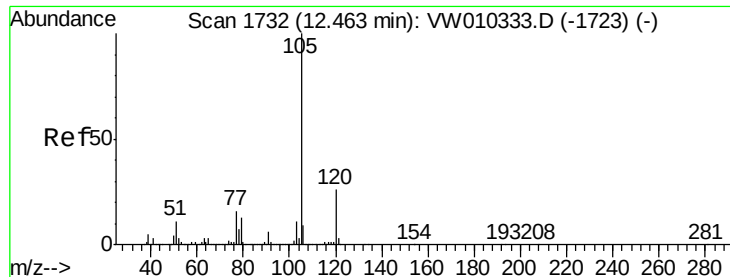
Acq: 10 May 2019 12:34

Tgt Ion:	152	Resp:	1022910
Ion Ratio	Lower	Upper	
152	100		
115	59.3	30.4	91.2
150	175.0	0.0	347.0



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





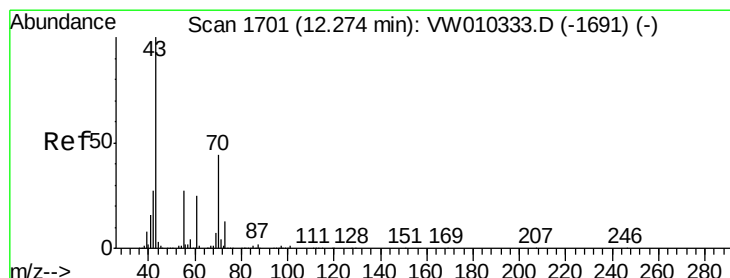
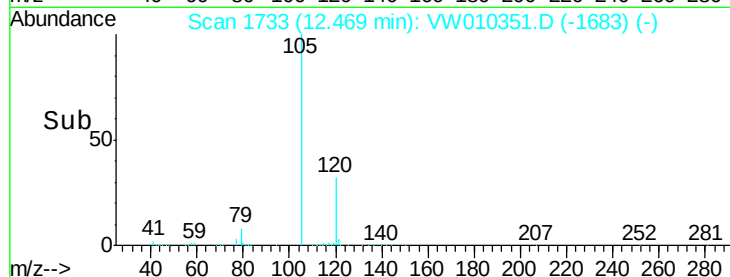
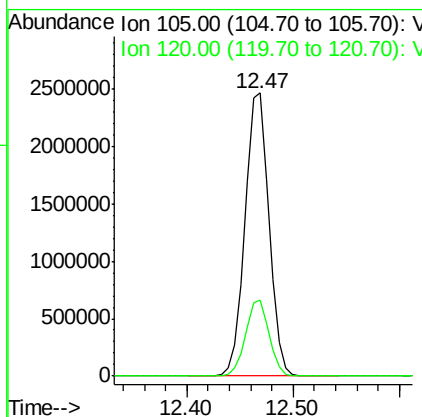
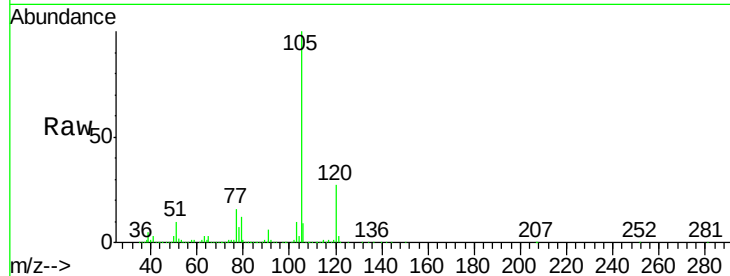
#73
Isopropylbenzene
Concen: 52.395 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 3906601
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.1

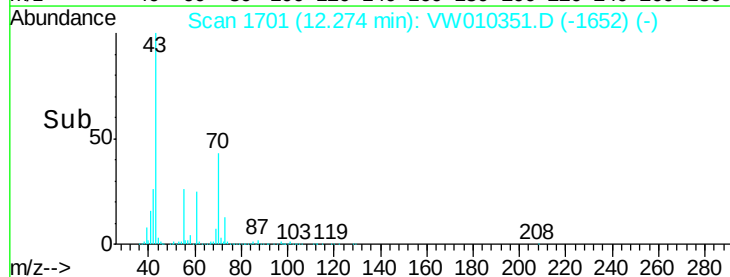
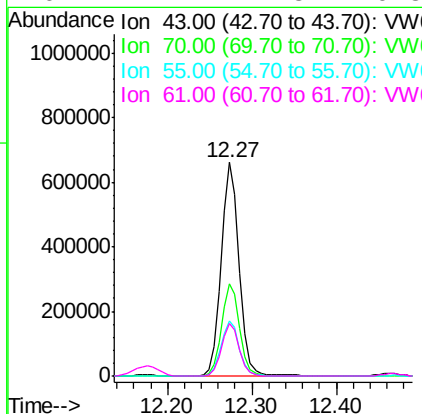
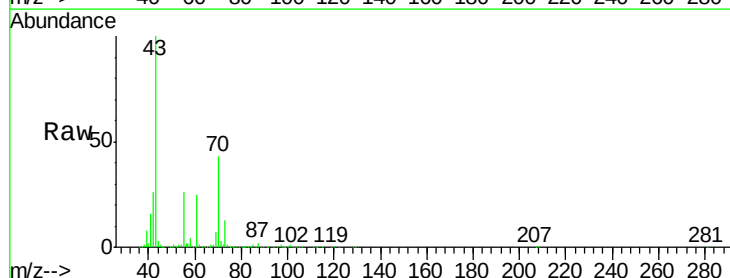
Manual Integrations
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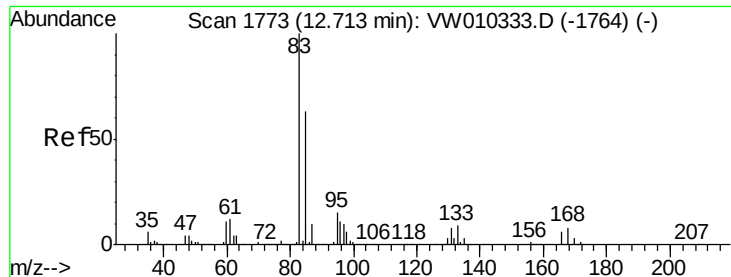
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#74
N-ethyl acetate
Concen: 50.313 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion: 43 Resp: 969161
Ion Ratio Lower Upper
43 100
70 43.5 31.3 46.9
55 26.4 20.0 30.0
61 24.4 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 44.598 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 732672
Ion Ratio Lower Upper

83 100

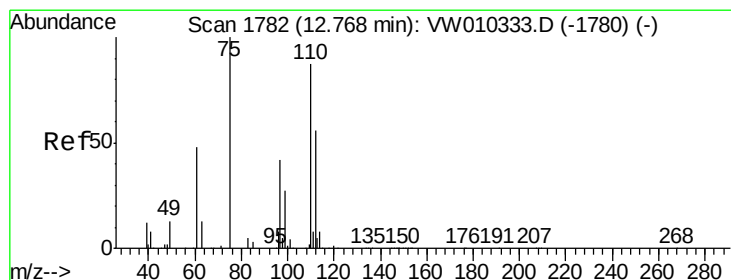
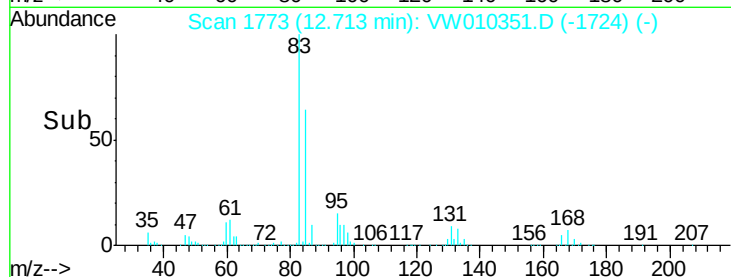
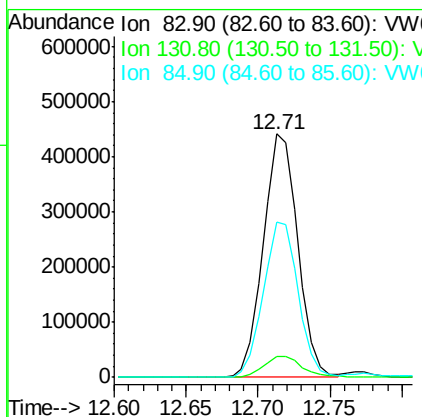
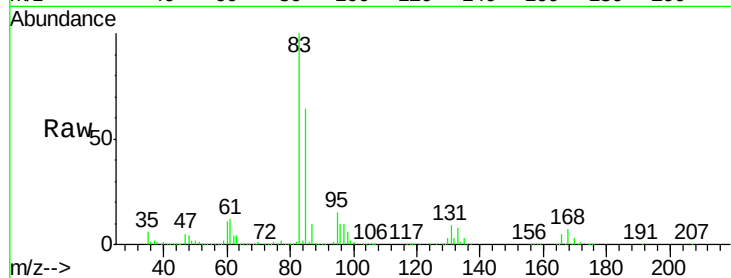
131 9.7 5.3 15.8

85 64.3 32.0 96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.223 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

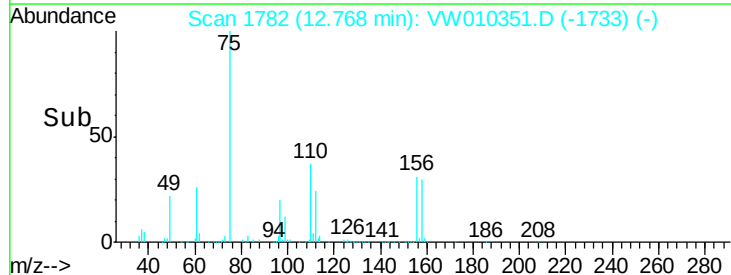
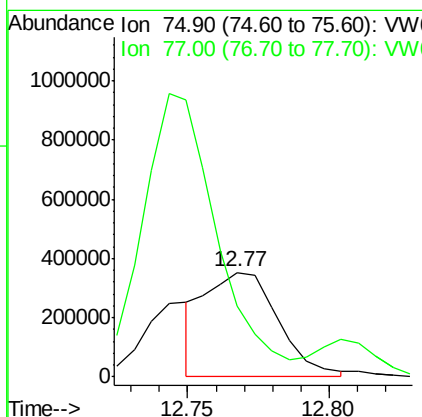
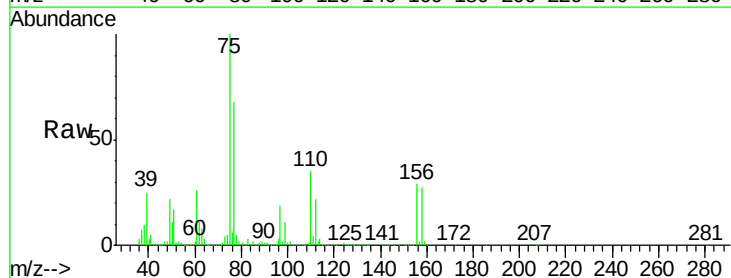
Lab File: VW010351.D

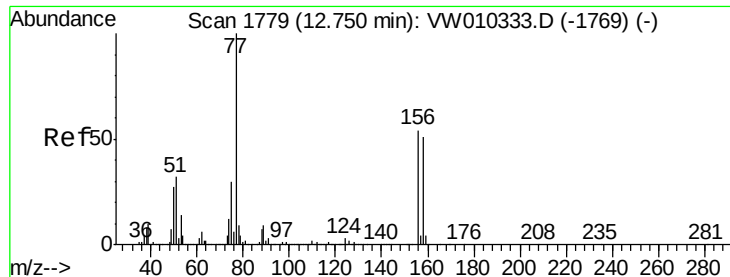
Acq: 10 May 2019 12:34

Tgt Ion: 75 Resp: 634747
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.128 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 860756

Ion Ratio Lower Upper

156 100

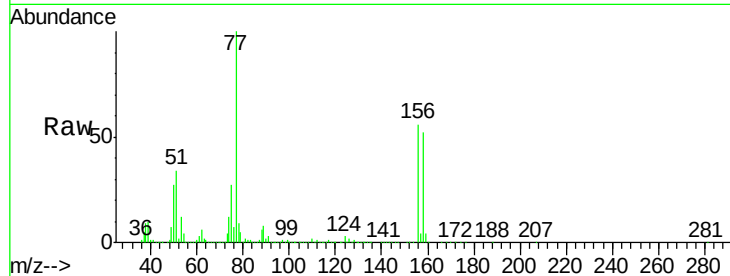
77 204.8 102.5 307.4

158 96.4 48.8 146.4

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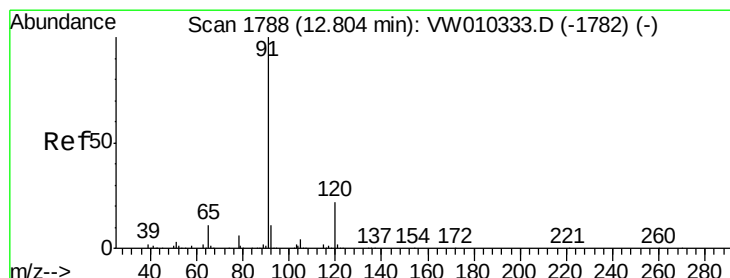
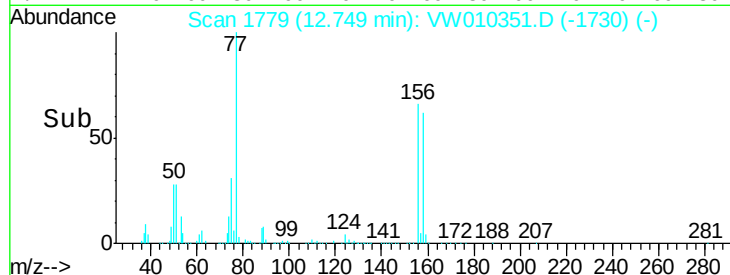
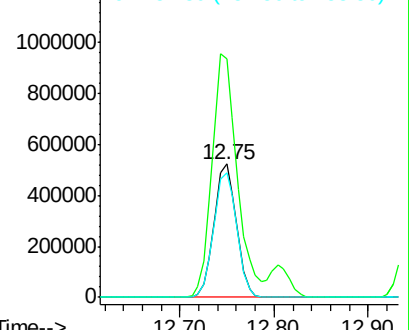
5/11/2019 12:11:58 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.164 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010351.D

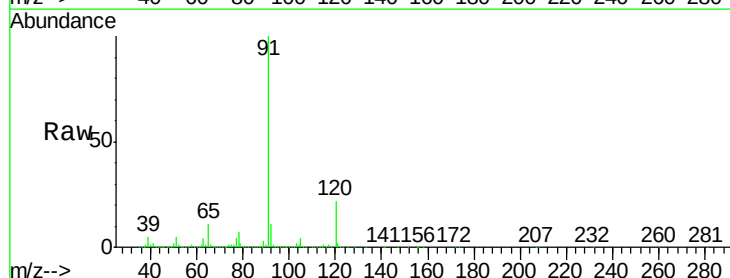
Acq: 10 May 2019 12:34

Tgt Ion: 91 Resp: 4803692

Ion Ratio Lower Upper

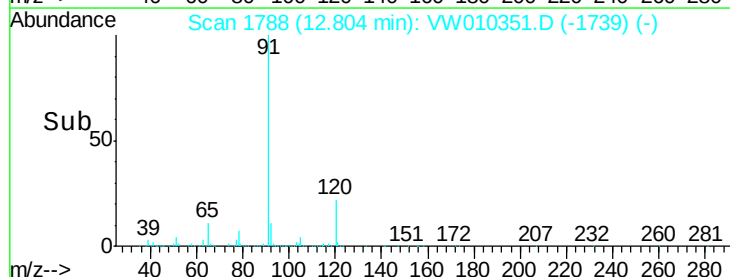
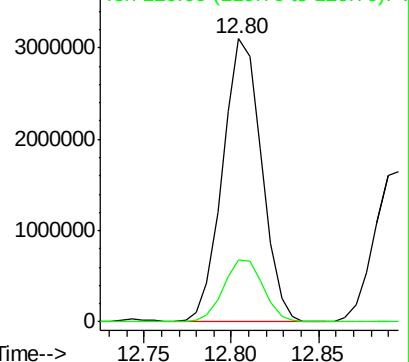
91 100

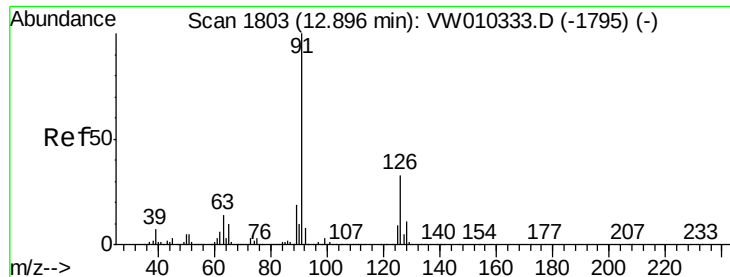
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





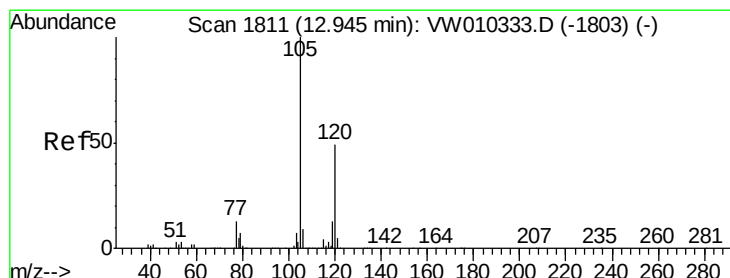
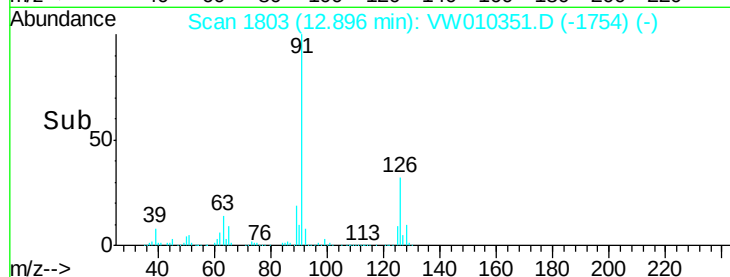
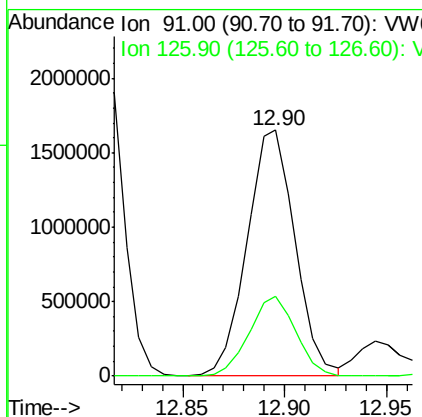
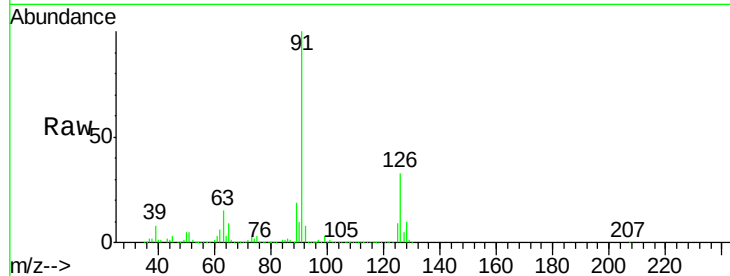
#79
2-Chlorotoluene
Concen: 51.483 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2699898
Ion Ratio Lower Upper
91 100
126 31.7 16.3 48.8

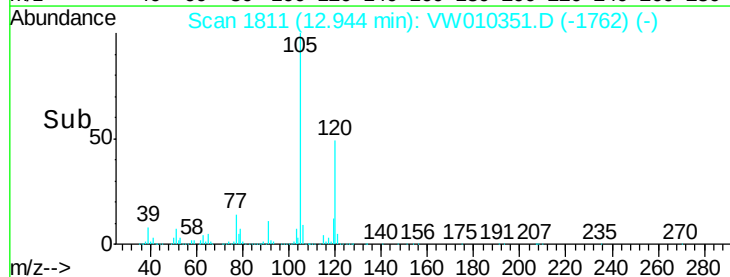
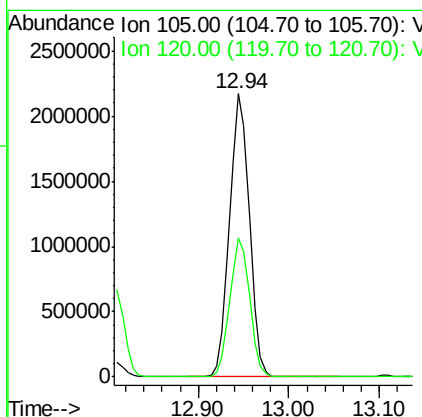
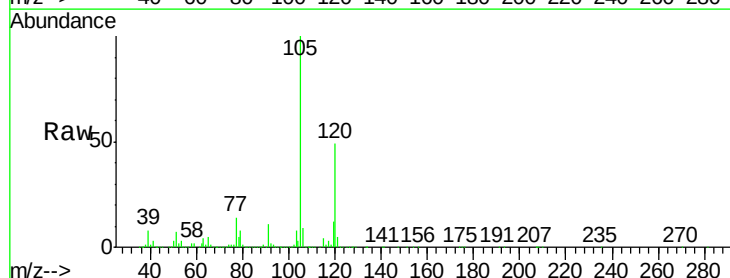
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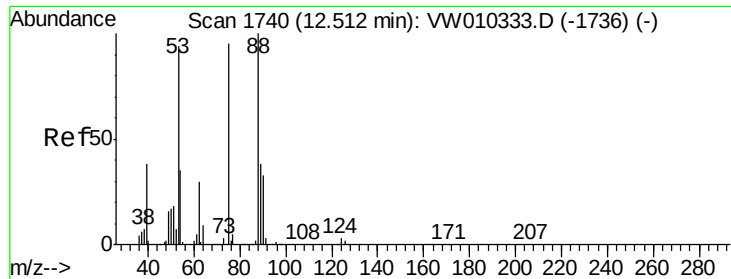
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#80
1,3,5-Trimethylbenzene
Concen: 52.441 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion:105 Resp: 3296321
Ion Ratio Lower Upper
105 100
120 49.1 24.3 72.8





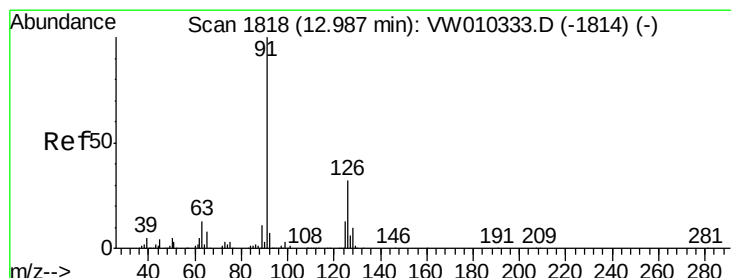
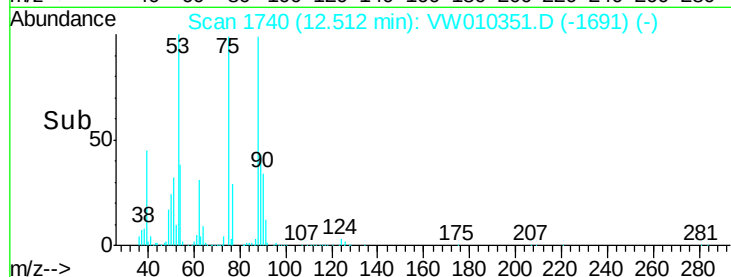
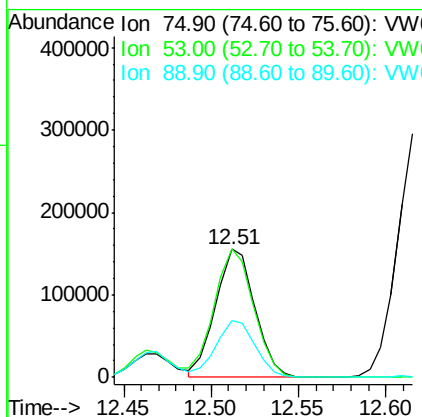
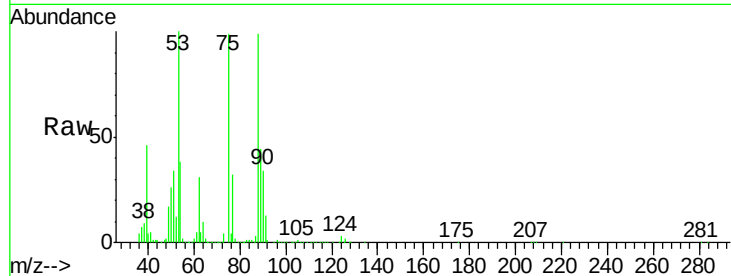
#81
trans-1,4-Dichloro-2-butene
Concen: 45.720 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	89.8	134.8
89	44.4	36.6	54.8

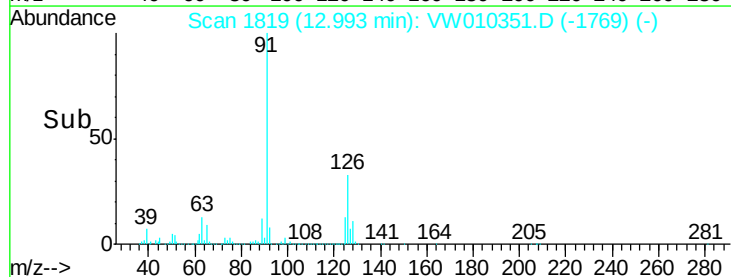
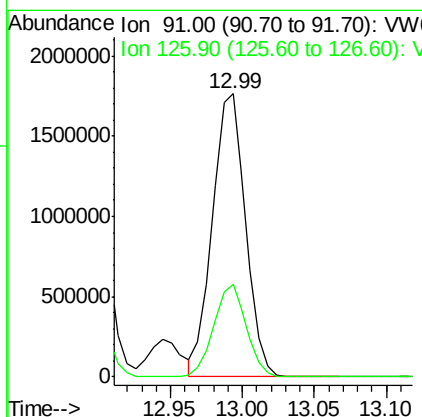
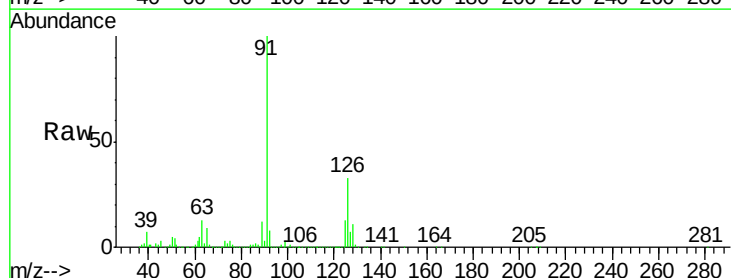
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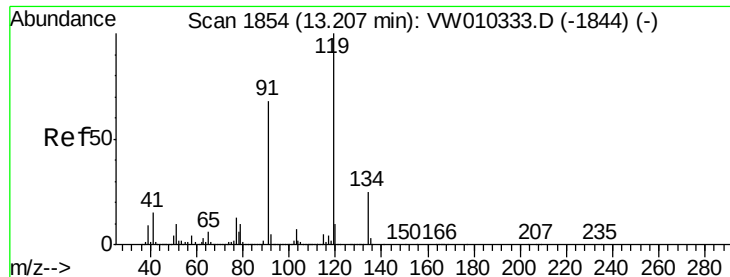
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#82
4-Chlorotoluene
Concen: 51.472 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.1





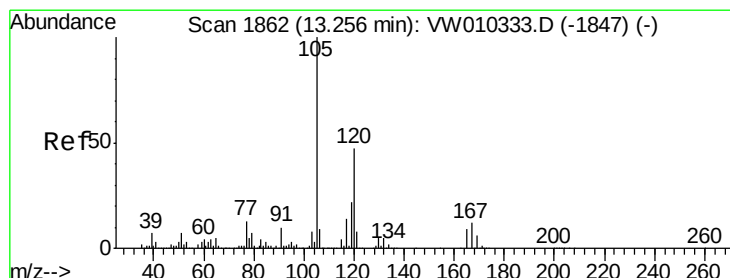
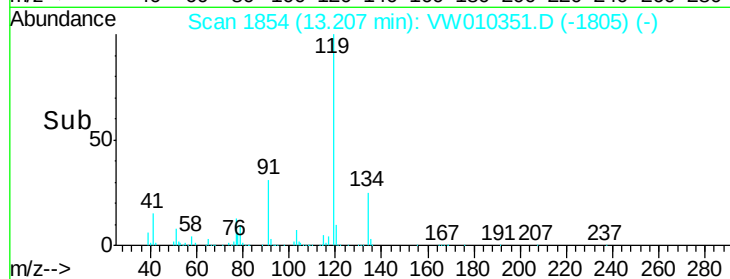
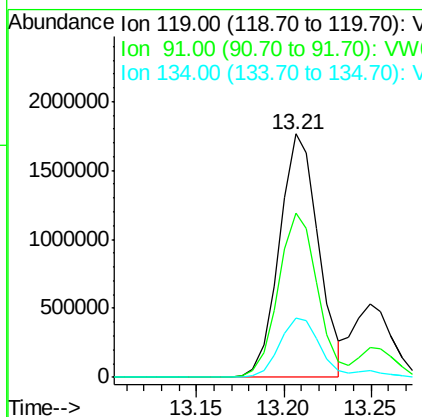
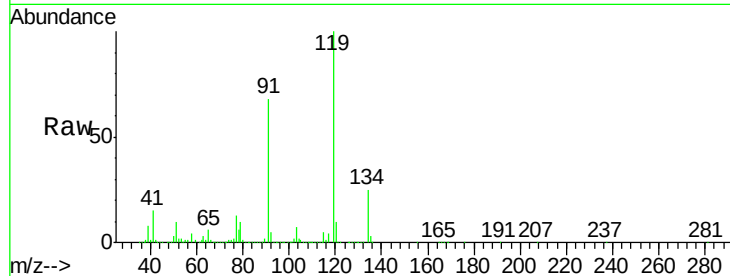
#83
tert-Butylbenzene
Concen: 52.544 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2754840
Ion Ratio Lower Upper
119 100
91 68.2 34.8 104.4
134 27.2 13.7 41.1

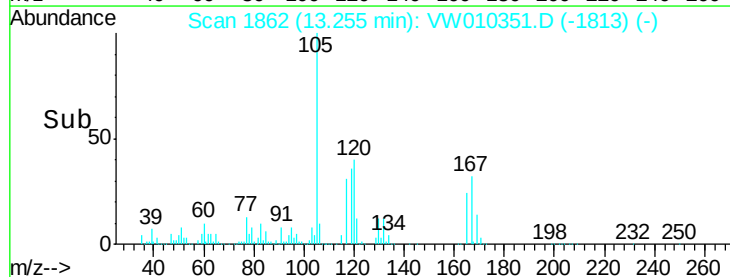
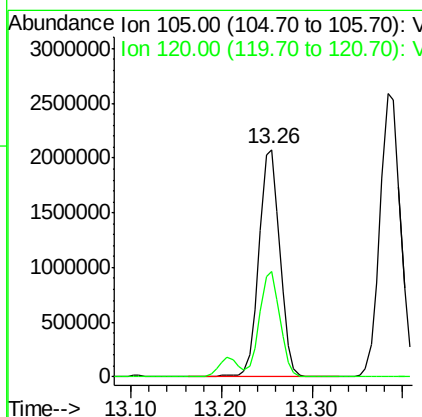
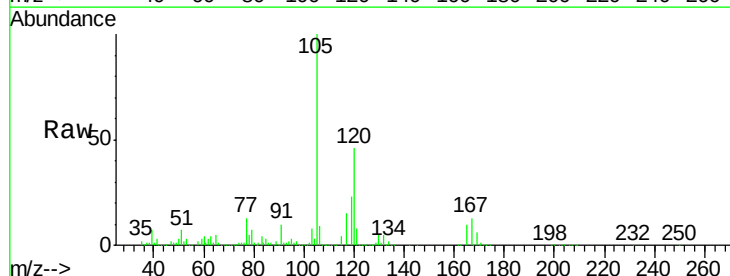
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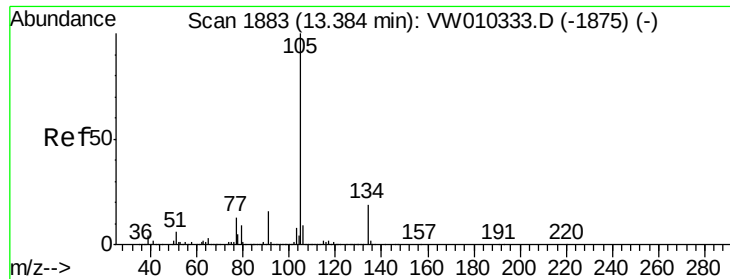
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#84
1,2,4-Trimethylbenzene
Concen: 52.898 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion:105 Resp: 3304136
Ion Ratio Lower Upper
105 100
120 45.3 22.6 67.7





#85

sec-Butylbenzene

Concen: 52.274 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4045890

Ion Ratio Lower Upper

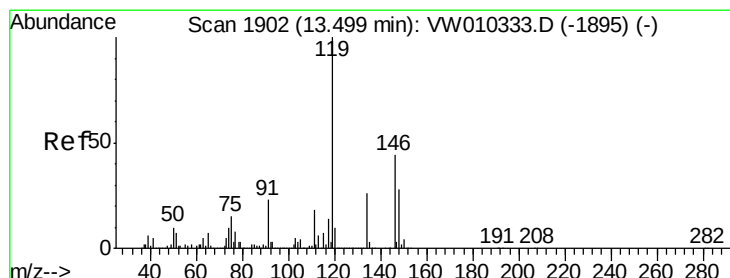
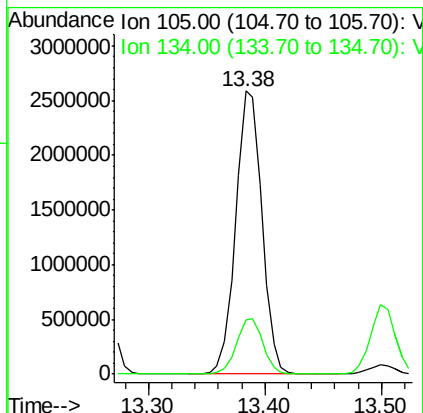
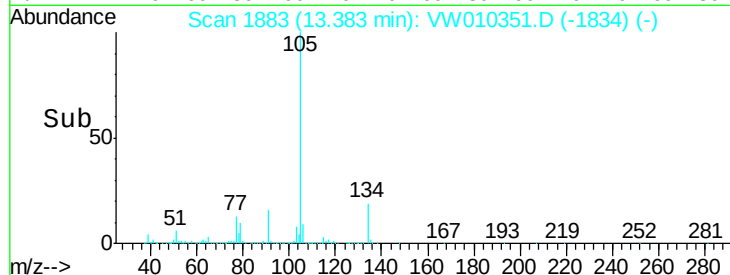
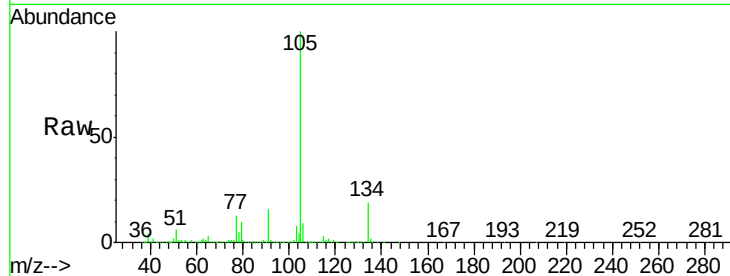
105 100

134 19.7 9.8 29.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.049 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

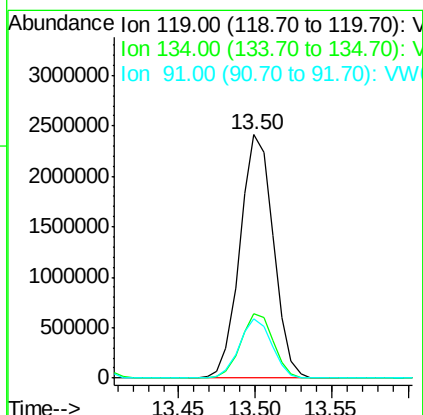
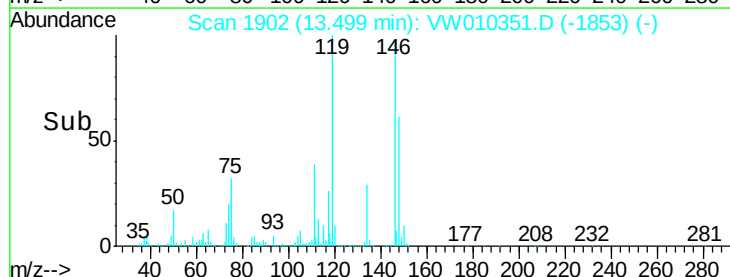
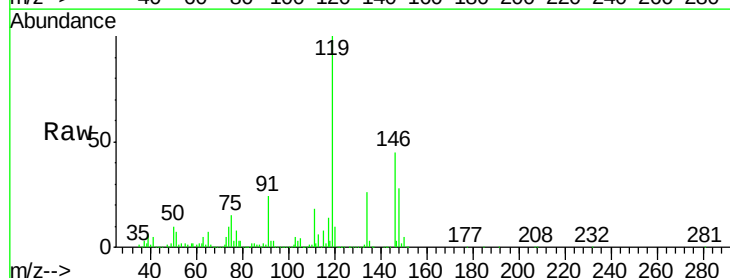
Tgt Ion:119 Resp: 3645513

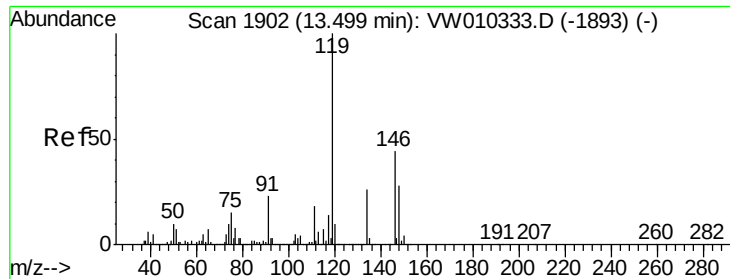
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 23.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 50.683 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

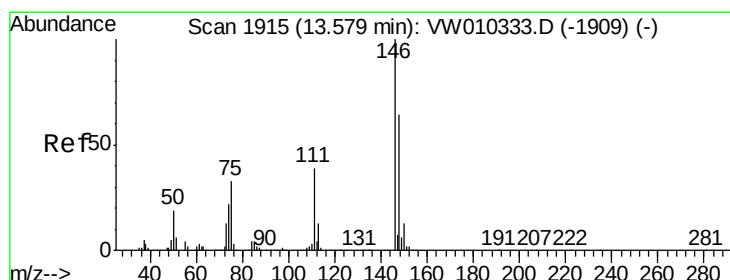
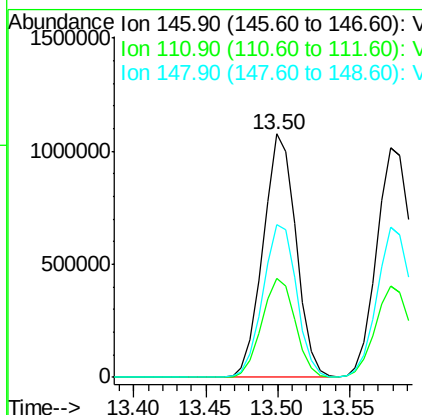
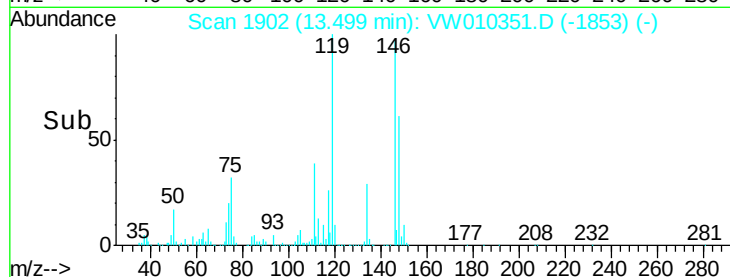
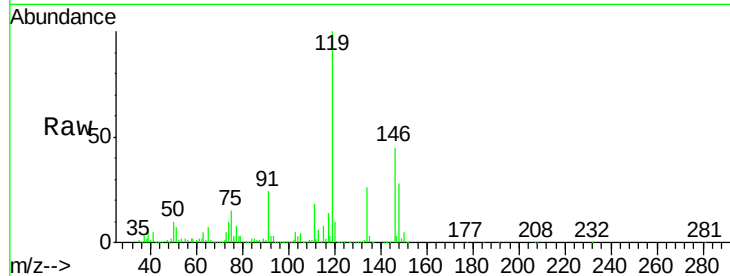
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	64.0	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 50.284 ug/l

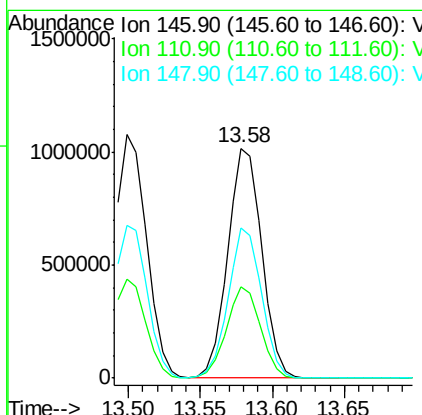
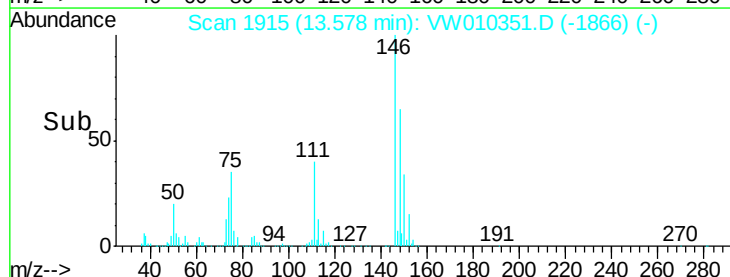
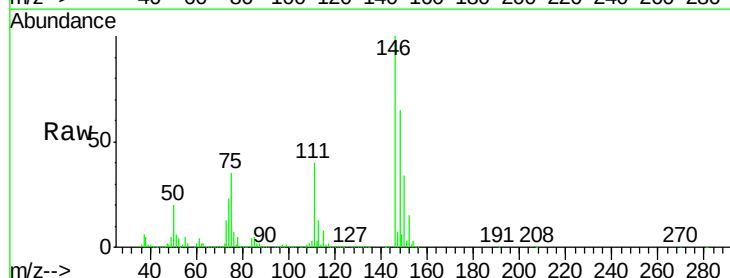
RT: 13.58 min Scan# 1915

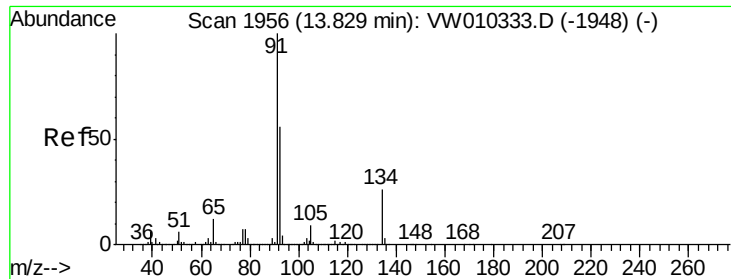
Delta R.T. -0.00 min

Lab File: VW010351.D

Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.3
148	64.2	31.8	95.3





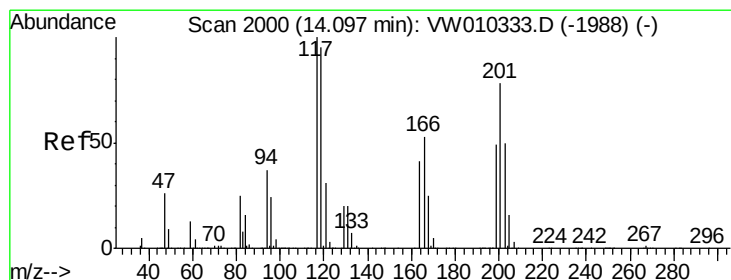
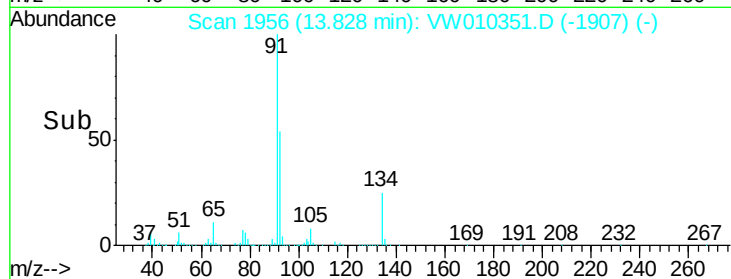
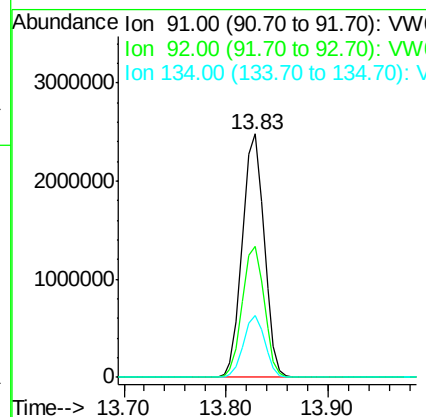
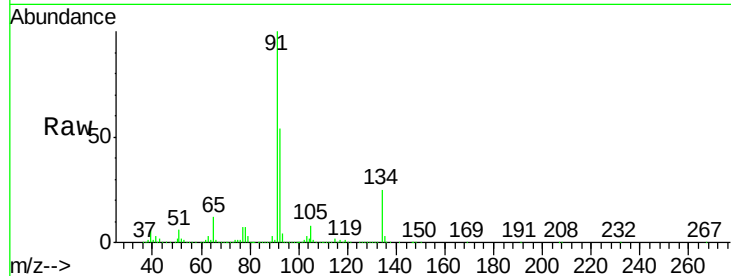
#89
n-Butylbenzene
Concen: 53.059 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3656035
Ion Ratio Lower Upper
91 100
92 54.5 26.5 79.4
134 24.8 12.4 37.0

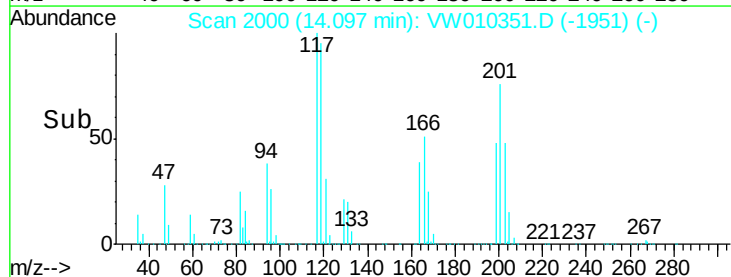
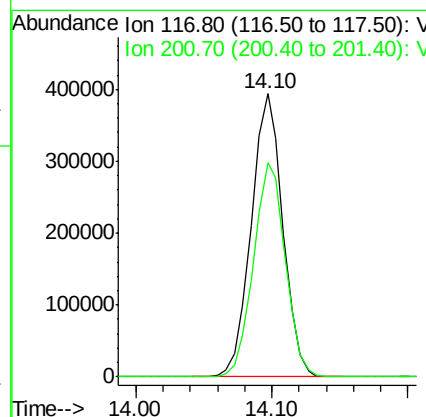
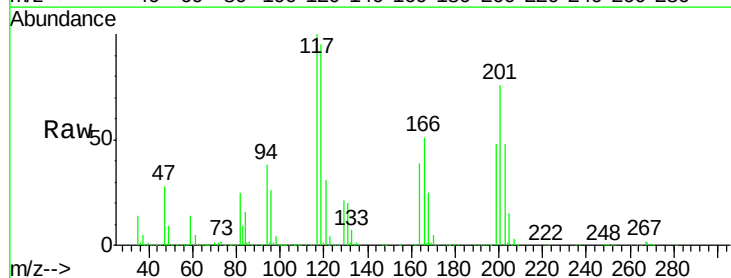
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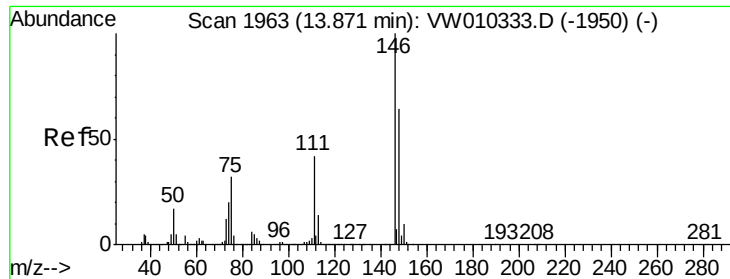
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#90
Hexachloroethane
Concen: 49.928 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion: 117 Resp: 636377
Ion Ratio Lower Upper
117 100
201 76.8 36.1 108.3





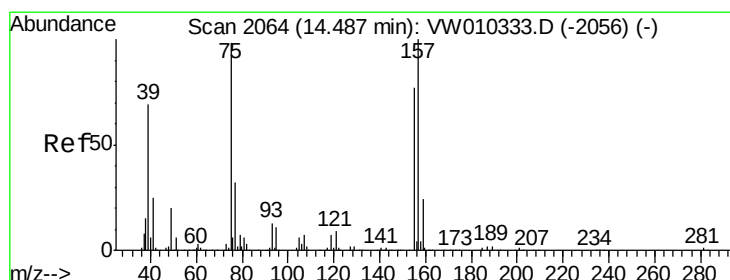
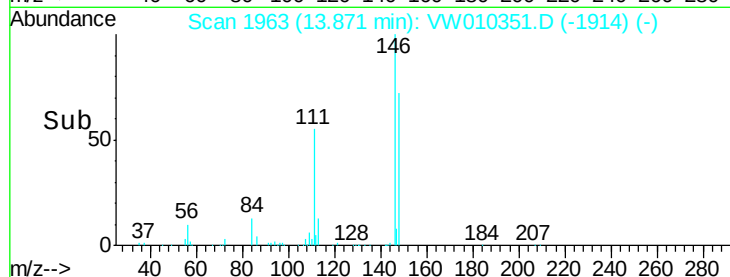
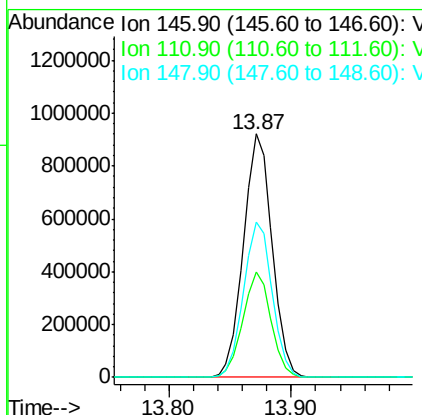
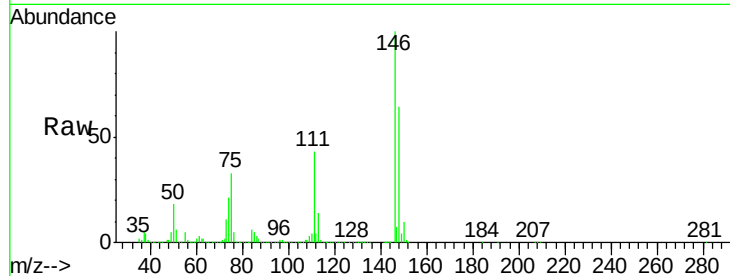
#91
 1,2-Dichlorobenzene
 Concen: 50.273 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.9	62.8
148	63.9	31.9	95.7

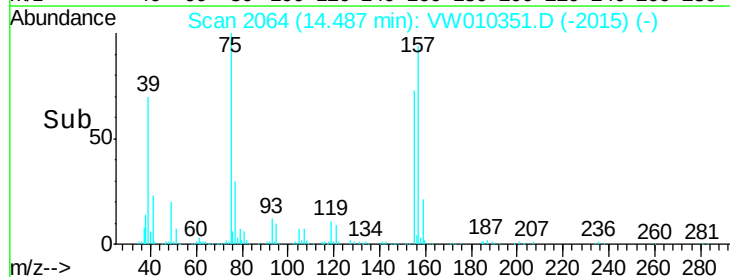
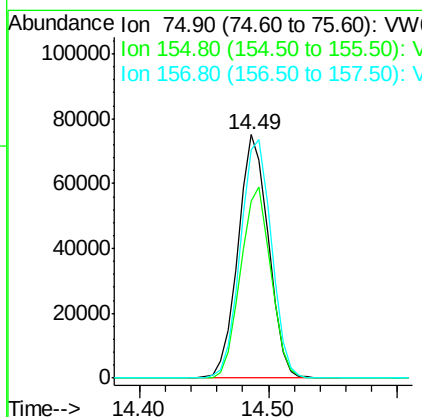
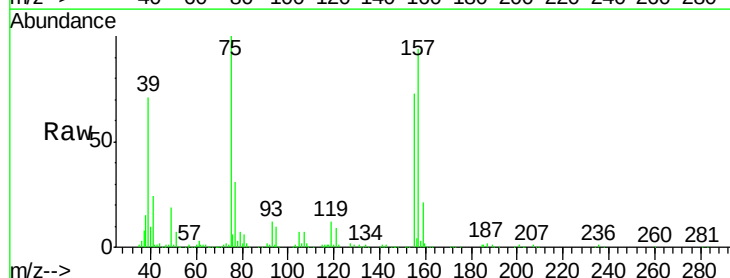
Manual Integrations
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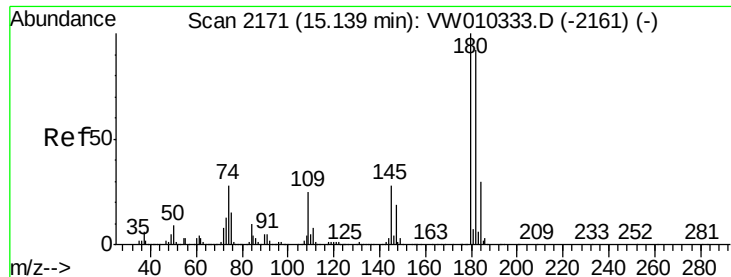
MMDadoda
 5/11/2019 12:11:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.244 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	37.1	111.5
157	100.0	47.3	141.9





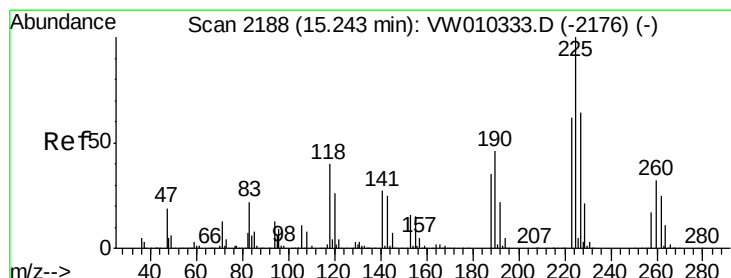
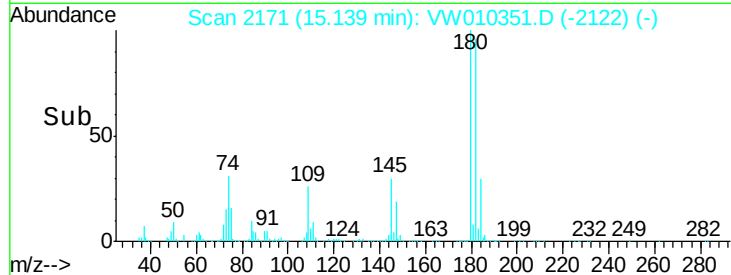
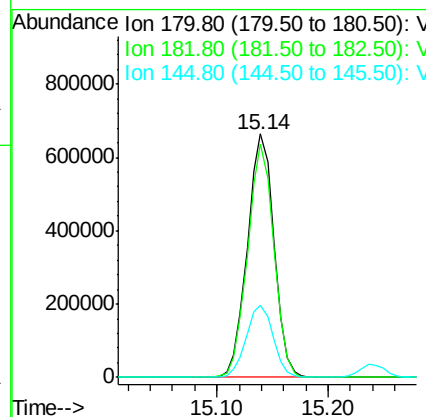
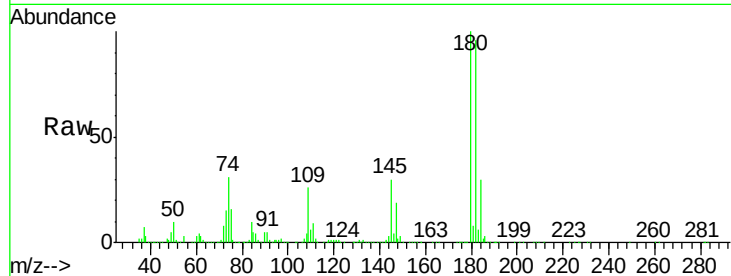
#93
 1,2,4-Trichlorobenzene
 Concen: 54.154 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.4
145	30.1	15.2	45.6

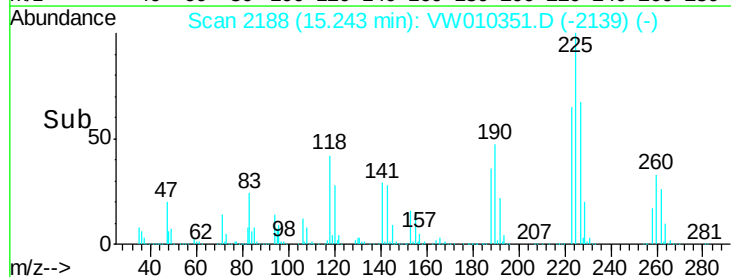
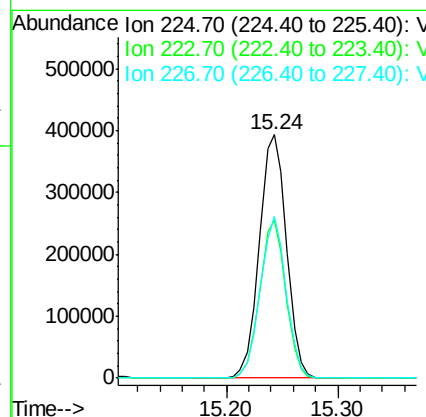
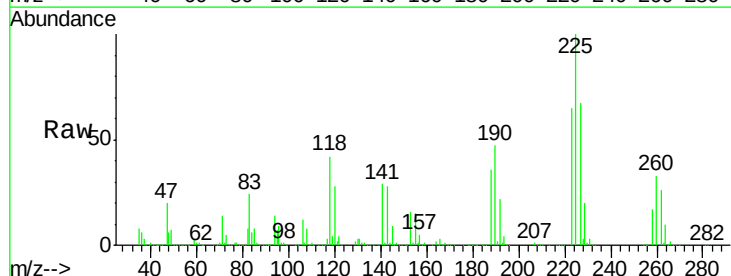
Manual Integrations
 APPROVED

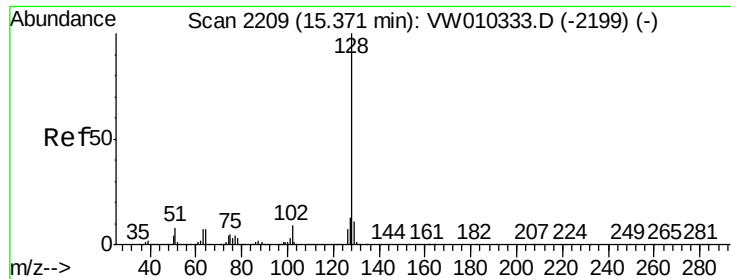
MMDadoda
 5/11/2019 12:11:58 PM



#94
 Hexachlorobutadiene
 Concen: 51.273 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010351.D
 Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.5
227	63.6	31.8	95.3





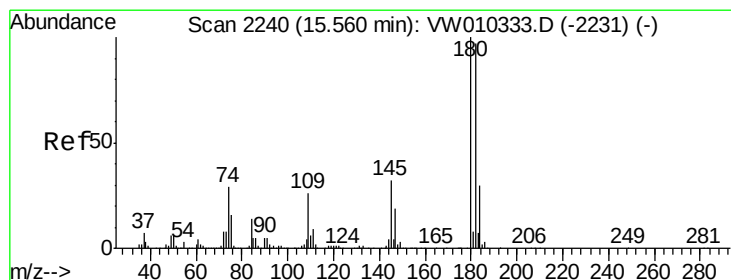
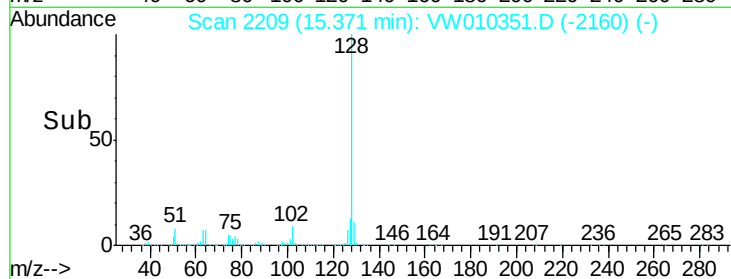
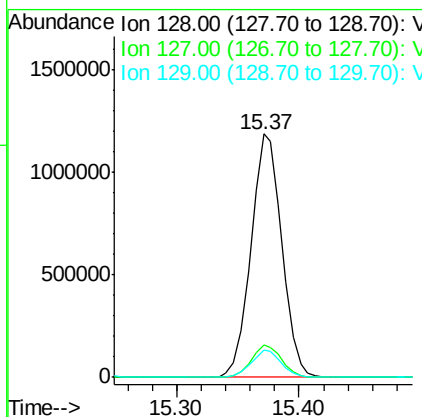
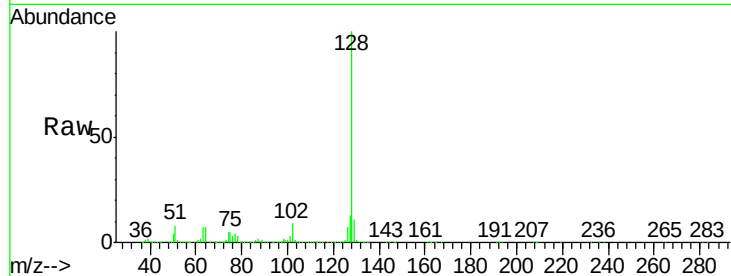
#95
Naphthalene
Concen: 45.056 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/11/2019 12:11:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.463 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW010351.D
Acq: 10 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	32.6	16.4	49.2

