

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015105.D
 Acq On : 09 Mar 2020 18:41
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:24:20 PM

Quant Time: Mar 10 18:00:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	455465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	845169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	752347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	336944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	345390	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.88	113	266479	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.32	98	1140871	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.62	95	380833	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	124347	45.024	ug/l	98
3) Chloromethane	2.21	50	256468	43.274	ug/l	97
4) Vinyl Chloride	2.37	62	348017	44.853	ug/l	98
5) Bromomethane	2.78	94	211109	47.599	ug/l	96
6) Chloroethane	2.92	64	217235	48.338	ug/l	95
7) Trichlorofluoromethane	3.26	101	201447	51.882	ug/l	94
8) Diethyl Ether	3.68	74	147787	49.952	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	279803	47.272	ug/l	99
10) Methyl Iodide	4.27	142	326573	49.595	ug/l	100
11) Tert butyl alcohol	5.19	59	79939	207.696	ug/l	98
12) 1,1-Dichloroethene	4.04	96	279883	48.364	ug/l	98
13) Acrolein	3.89	56	122768	218.100	ug/l	96
14) Allyl chloride	4.67	41	603960	52.078	ug/l	99
15) Acrylonitrile	5.37	53	360860	237.950	ug/l	100
16) Acetone	4.12	43	334743	219.169	ug/l	95
17) Carbon Disulfide	4.38	76	972366	47.391	ug/l	98
18) Methyl Acetate	4.67	43	171336	47.324	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	405448	54.730	ug/l	99
20) Methylene Chloride	4.92	84	340957	55.084	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	311859	50.757	ug/l	100
22) Diisopropyl ether	6.31	45	1207253	54.253	ug/l	99
23) Vinyl Acetate	6.25	43	3515736	267.642	ug/l	100
24) 1,1-Dichloroethane	6.21	63	651011	50.169	ug/l	99
25) 2-Butanone	7.17	43	487652	232.903	ug/l	99
26) 2,2-Dichloropropane	7.17	77	365552	49.255	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	329044	51.440	ug/l	100
28) Bromochloromethane	7.51	49	308552	49.624	ug/l	99
29) Tetrahydrofuran	7.53	42	318975	243.554	ug/l	100
30) Chloroform	7.67	83	571389	49.619	ug/l	98
31) Cyclohexane	7.95	56	641539	48.069	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	444546	49.441	ug/l	99
36) 1,1-Dichloropropene	8.08	75	492692	50.268	ug/l	99
37) Ethyl Acetate	7.25	43	235293	48.167	ug/l	98
38) Carbon Tetrachloride	8.07	117	384305	48.166	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	578852	51.651	ug/l	98
40) Benzene	8.32	78	1356536	49.803	ug/l	99
41) Methacrylonitrile	7.48	41	133414	51.642	ug/l	97
42) 1,2-Dichloroethane	8.40	62	410692	49.491	ug/l	99
43) Isopropyl Acetate	8.42	43	432454	49.381	ug/l	99
44) Trichloroethene	9.09	130	281718	48.589	ug/l	98
45) 1,2-Dichloropropane	9.37	63	368413	50.224	ug/l	99
46) Dibromomethane	9.46	93	156098	48.940	ug/l	98
47) Bromodichloromethane	9.64	83	426744	50.113	ug/l	98
48) Methyl methacrylate	9.43	41	204282	45.708	ug/l	100
49) 1,4-Dioxane	9.46	88	43149	883.596	ug/l #	68
51) 4-Methyl-2-Pentanone	10.21	43	1142729	236.239	ug/l	100
52) Toluene	10.38	92	798969	51.061	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	425610	50.804	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	522335	51.183	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	212440	48.608	ug/l	98
56) Ethyl methacrylate	10.64	69	297651	47.344	ug/l	100
57) 1,3-Dichloropropane	10.93	76	417154	50.135	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	884762	267.394	ug/l	100
59) 2-Hexanone	10.96	43	739896	222.747	ug/l	99
60) Dibromochloromethane	11.12	129	223386	49.489	ug/l	99
61) 1,2-Dibromoethane	11.23	107	189385	48.879	ug/l	99
64) Tetrachloroethene	10.86	164	211483	48.709	ug/l	96
65) Chlorobenzene	11.65	112	756115	50.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	248673	49.451	ug/l	100
67) Ethyl Benzene	11.73	91	1532909	52.166	ug/l	98
68) m/p-Xylenes	11.84	106	1087284	104.665	ug/l	100
69) o-Xylene	12.16	106	496828	53.092	ug/l	97
70) Styrene	12.18	104	869719	54.241	ug/l	99
71) Bromoform	12.35	173	107524	48.181	ug/l #	99
73) Isopropylbenzene	12.46	105	1384109	53.776	ug/l	100
74) N-amyl acetate	12.27	43	397643	46.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	255655	48.915	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	200217m	52.576	ug/l	
77) Bromobenzene	12.74	156	261802	51.462	ug/l	99
78) n-propylbenzene	12.80	91	1812489	54.185	ug/l	100
79) 2-Chlorotoluene	12.89	91	997748	53.053	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1180955	53.363	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	82689	49.044	ug/l	99
82) 4-Chlorotoluene	12.99	91	1051517	52.502	ug/l	99
83) tert-Butylbenzene	13.21	119	938928	52.371	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	1193689	53.944	ug/l	97
85) sec-Butylbenzene	13.38	105	1456541	53.681	ug/l	100
86) p-Isopropyltoluene	13.49	119	1253303	53.737	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	544273	50.494	ug/l	99
88) 1,4-Dichlorobenzene	13.57	146	528842	49.827	ug/l	100
89) n-Butylbenzene	13.82	91	1340355	53.290	ug/l	100
90) Hexachloroethane	14.09	117	232895	49.791	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	471791	49.975	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	39750	47.362	ug/l	95

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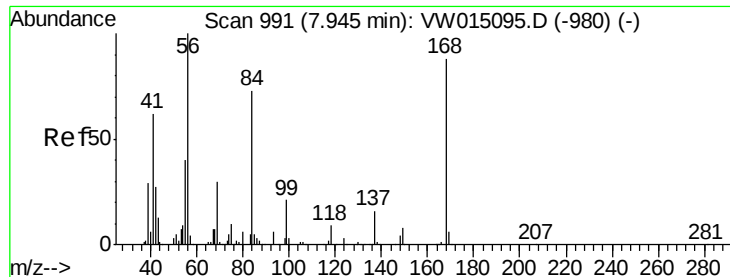
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	270720	50.112	ug/l	99
94) Hexachlorobutadiene	15.23	225	162049	47.776	ug/l	98
95) Naphthalene	15.36	128	533299	45.440	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	240928	50.281	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 455465

Ion Ratio Lower Upper

168 100

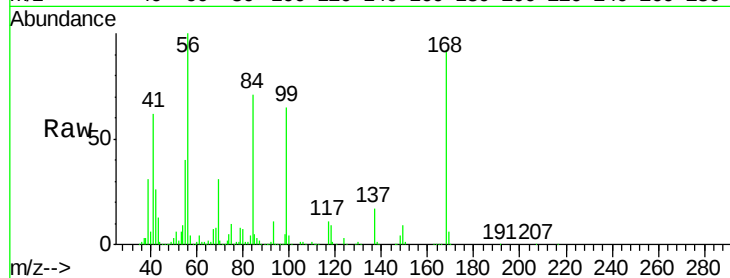
99 69.9 57.2 85.8

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

250000

200000

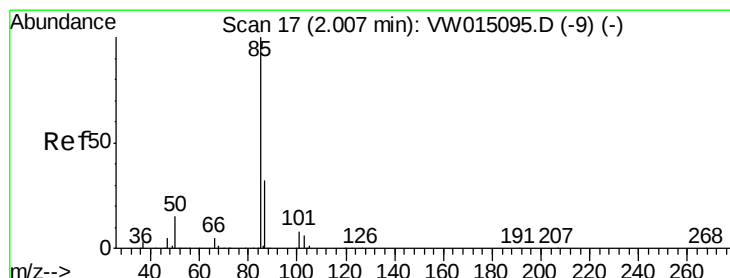
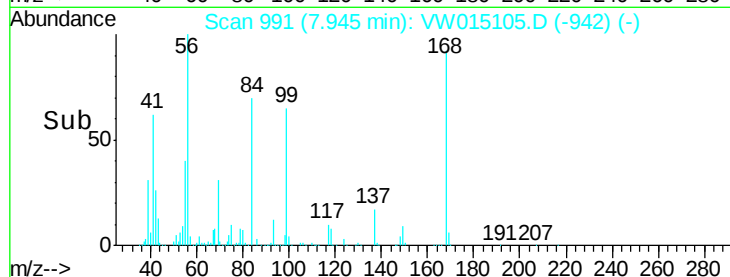
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.024 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015105.D

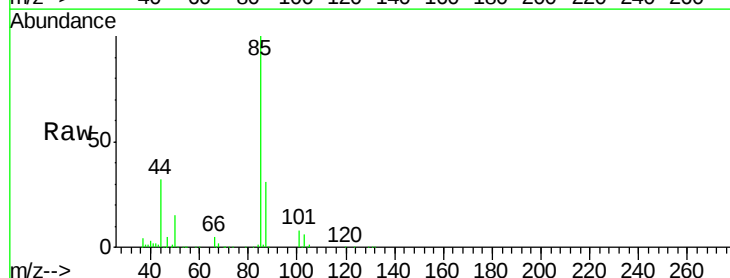
Acq: 09 Mar 2020 18:41

Tgt Ion: 85 Resp: 124347

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

50000

40000

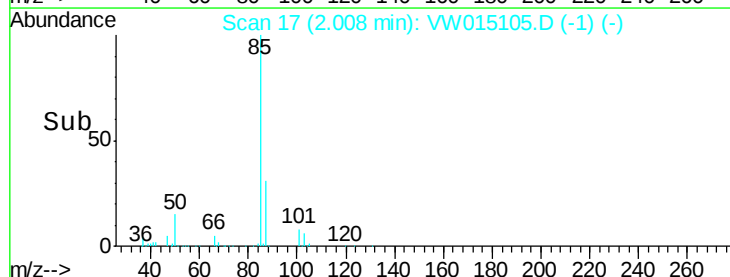
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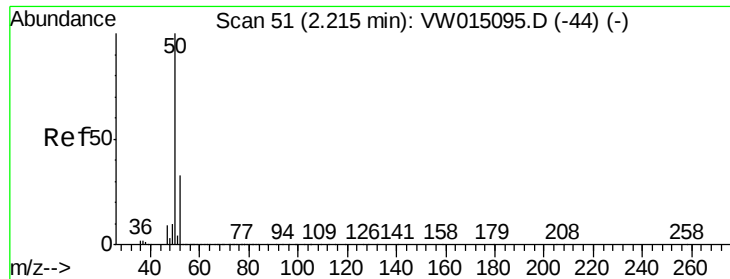
20000

10000

0

Time-->





#3

Chloromethane

Concen: 43.274 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 256468

Ion Ratio Lower Upper

50 100

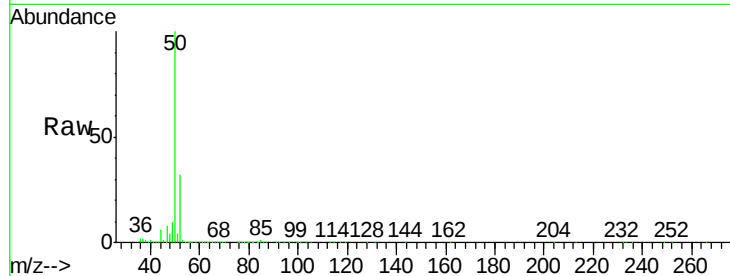
52 31.7 26.6 40.0

Manual Integrations

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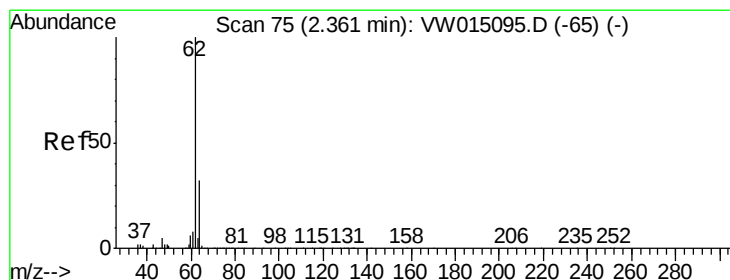
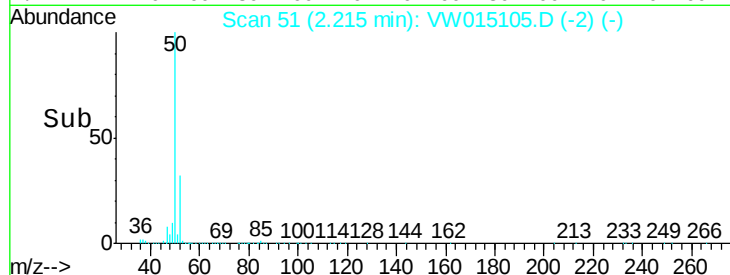
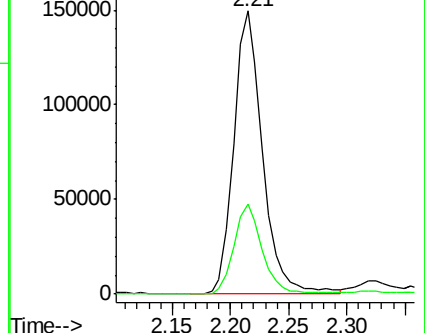
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 44.853 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015105.D

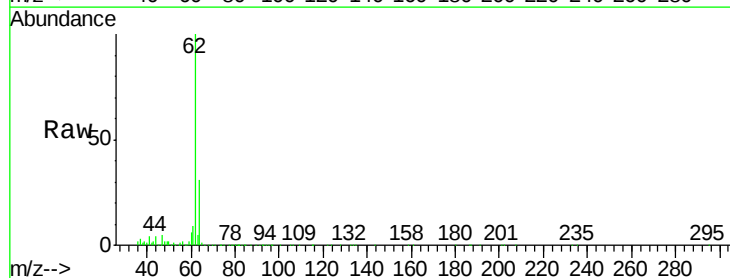
Acq: 09 Mar 2020 18:41

Tgt Ion: 62 Resp: 348017

Ion Ratio Lower Upper

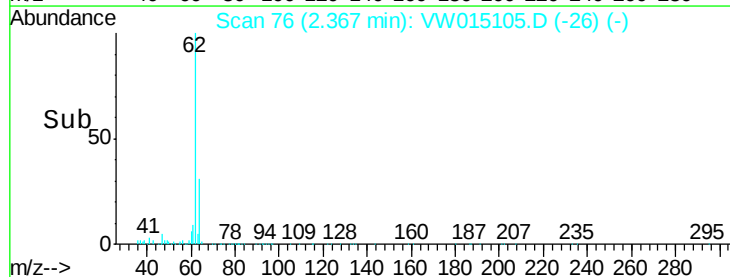
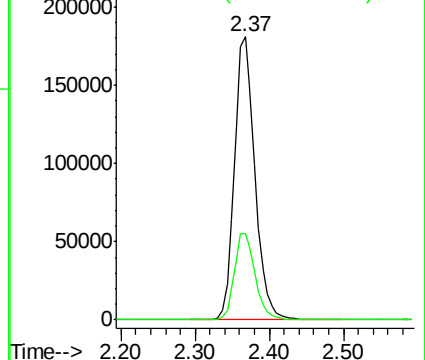
62 100

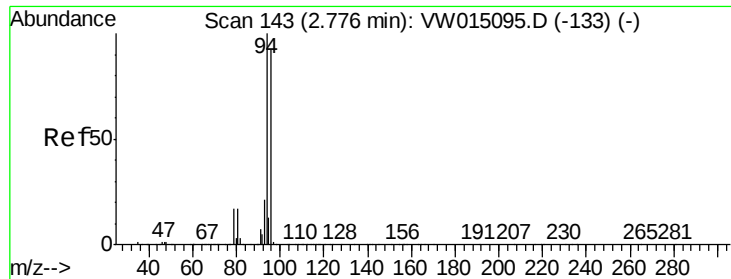
64 30.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 47.599 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 211109

Ion Ratio Lower Upper

94 100

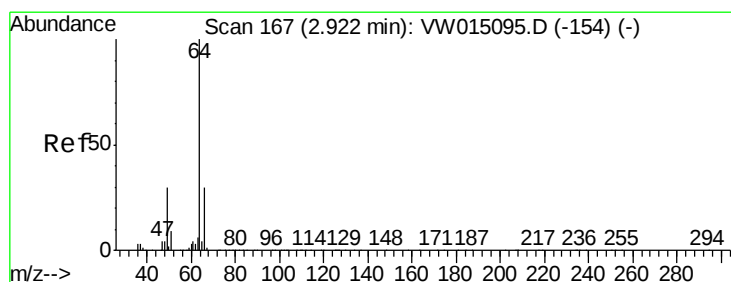
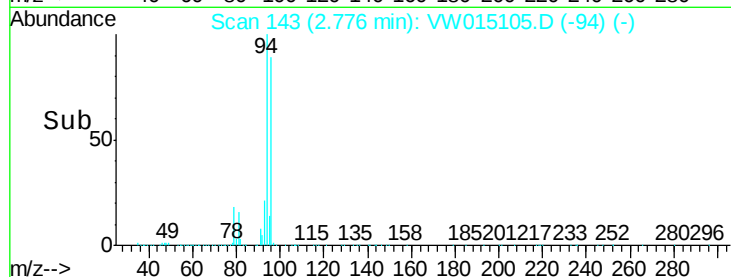
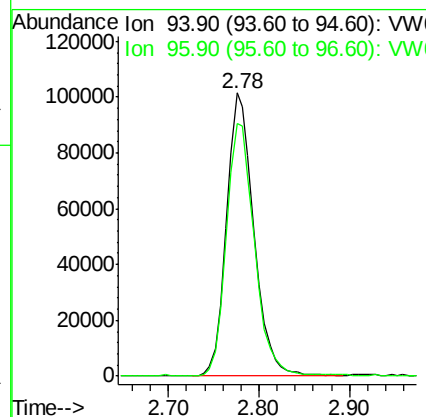
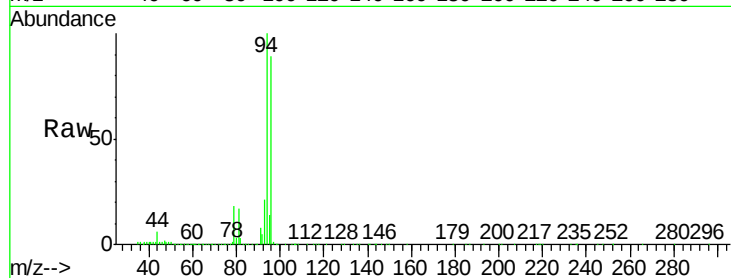
96 89.1 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 48.338 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015105.D

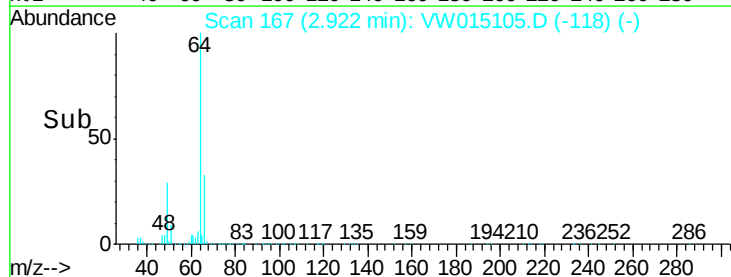
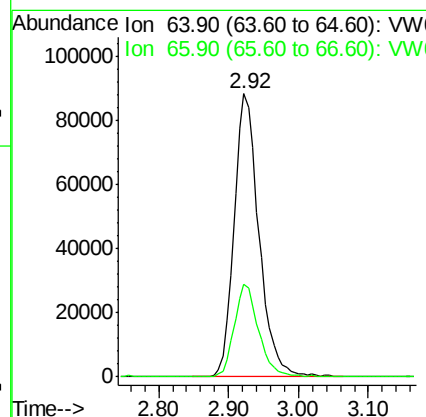
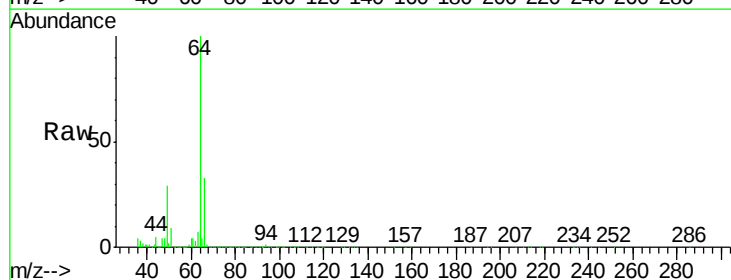
Acq: 09 Mar 2020 18:41

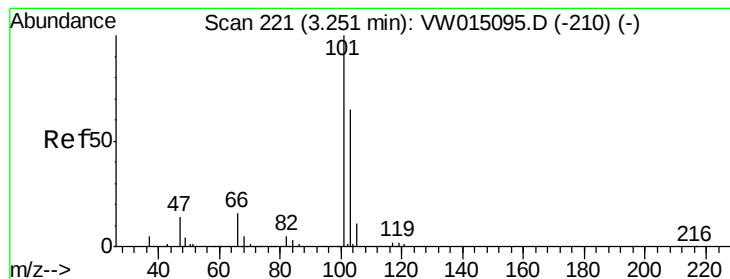
Tgt Ion: 64 Resp: 217235

Ion Ratio Lower Upper

64 100

66 32.8 24.2 36.2





#7

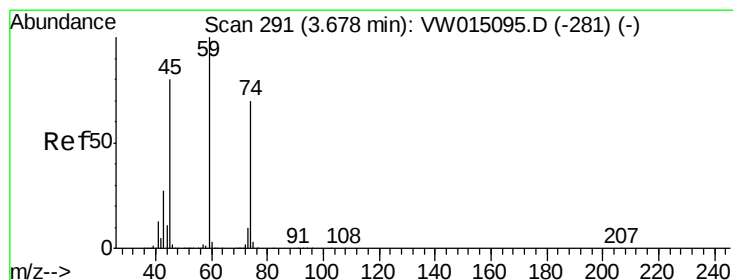
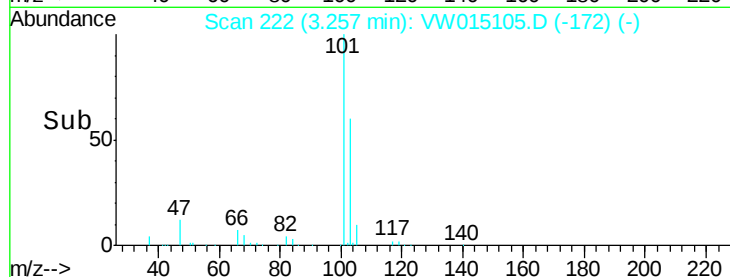
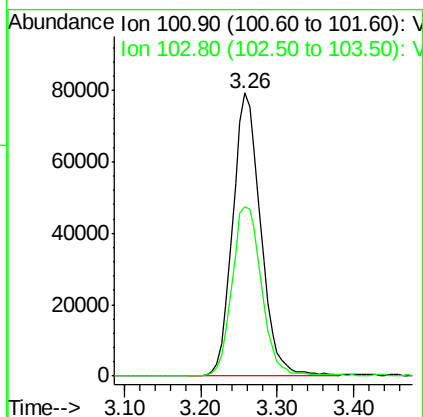
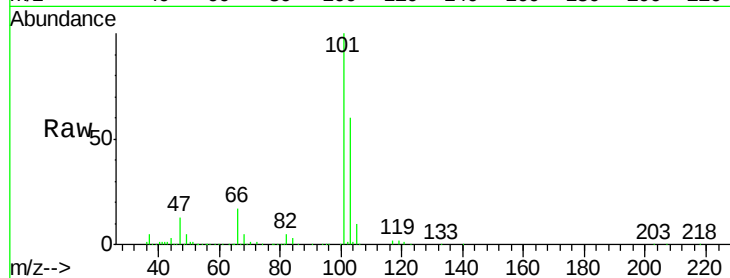
Trichlorofluoromethane
Concen: 51.882 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW015105.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	51.8	77.6

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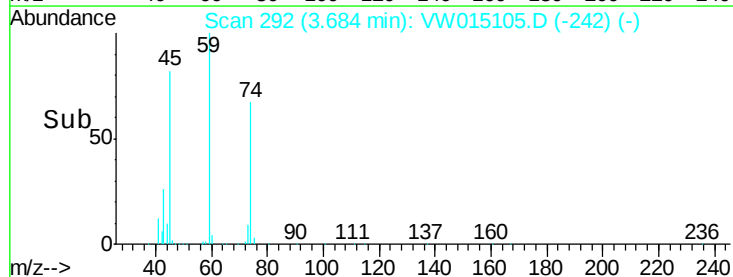
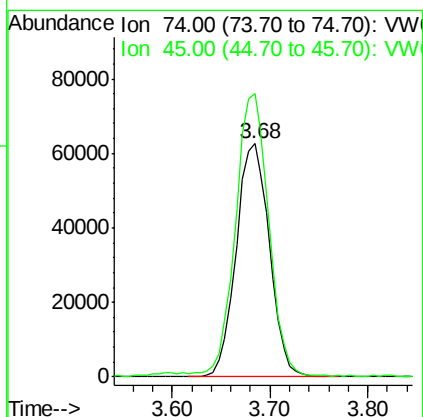
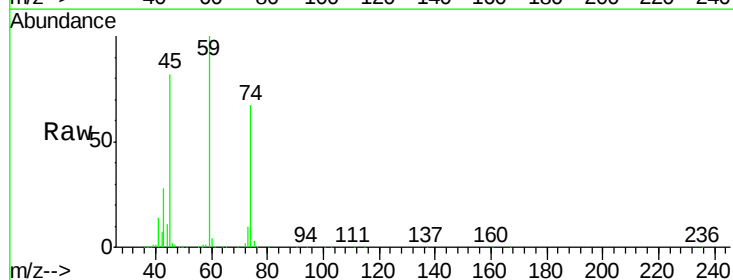
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3/11/2020 3:24:20 PM

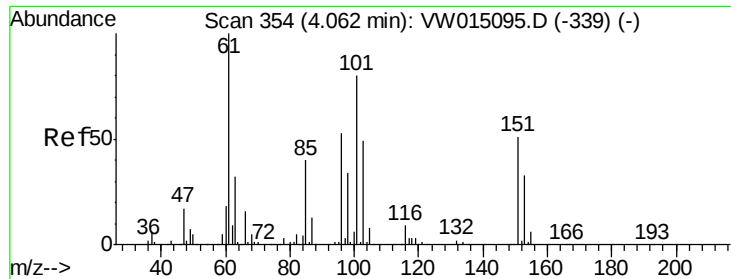


#8

Diethyl Ether
Concen: 49.952 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.5	59.2	177.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.272 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

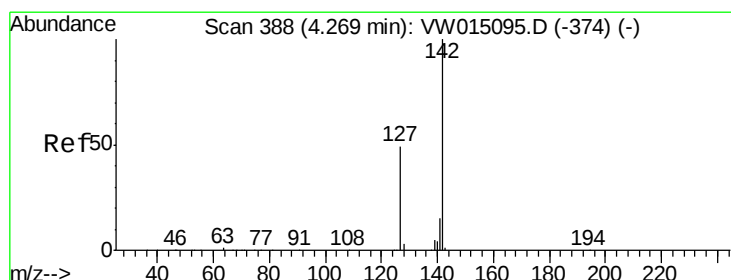
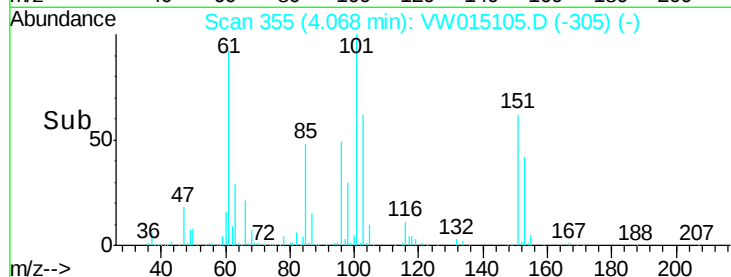
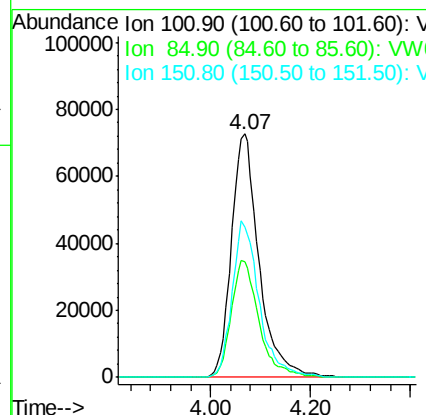
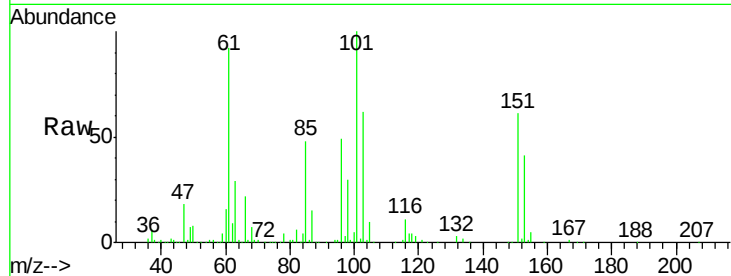
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	279803
Ion Ratio	Lower	Upper	
101	100		
85	48.3	39.0	58.4
151	62.6	50.8	76.2

Manual Integrations
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3/11/2020 3:24:20 PM



#10

Methyl Iodide

Concen: 49.595 ug/l

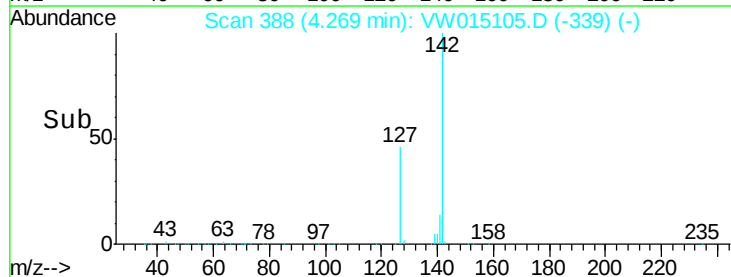
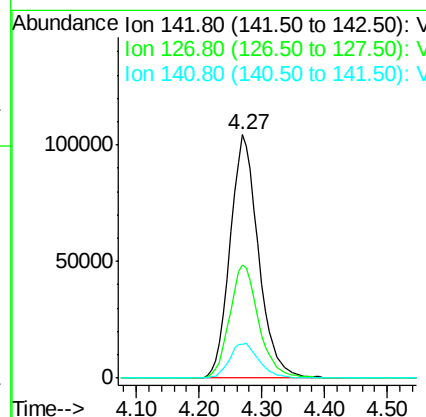
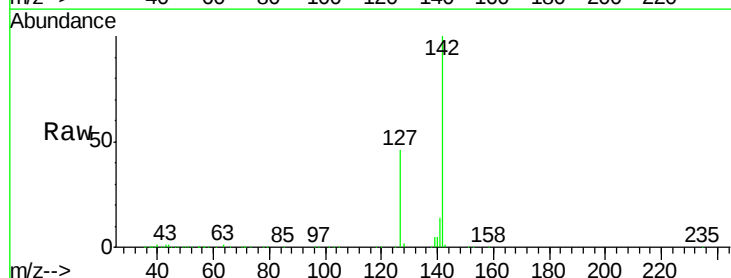
RT: 4.27 min Scan# 388

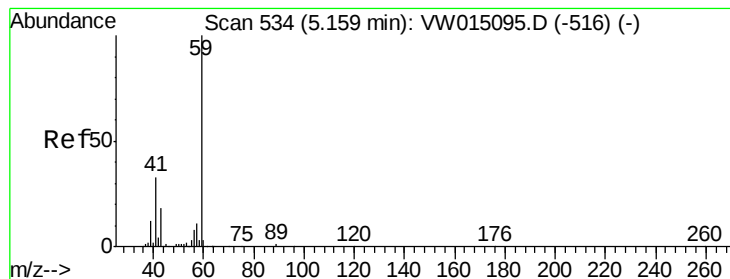
Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Tgt Ion:	142	Resp:	326573
Ion Ratio	Lower	Upper	
142	100		
127	47.7	38.2	57.4
141	15.0	12.0	18.0





#11

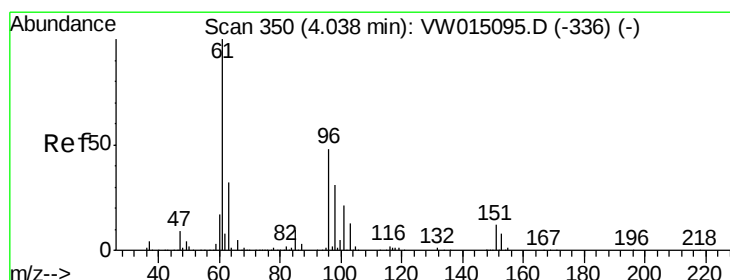
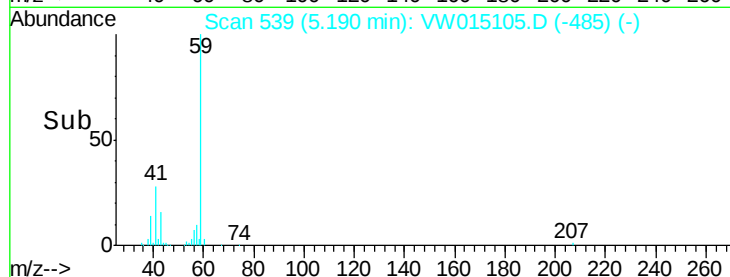
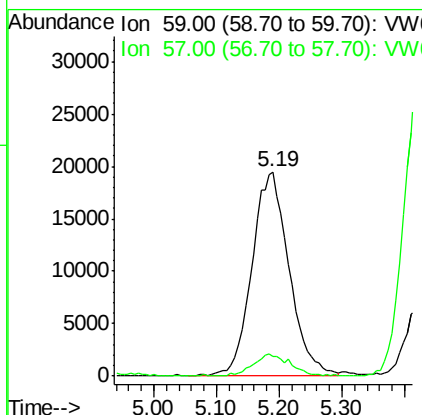
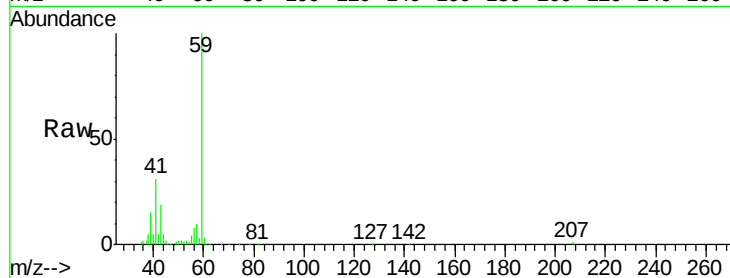
Tert butyl alcohol
Concen: 207.696 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.03 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.1	13.7

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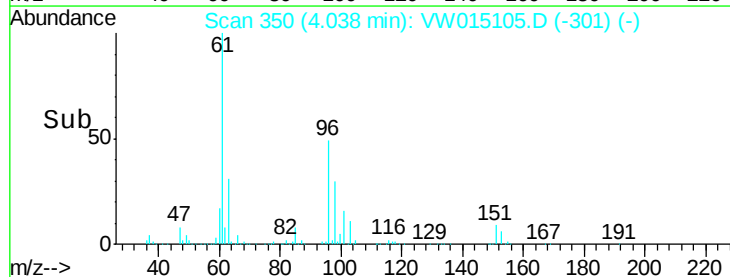
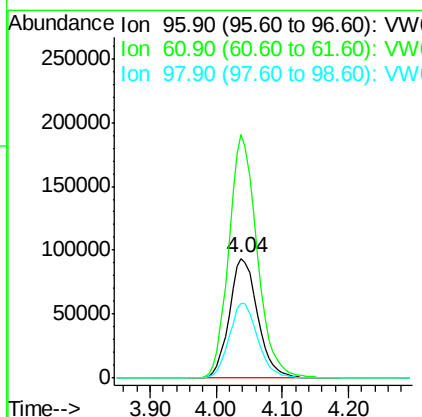
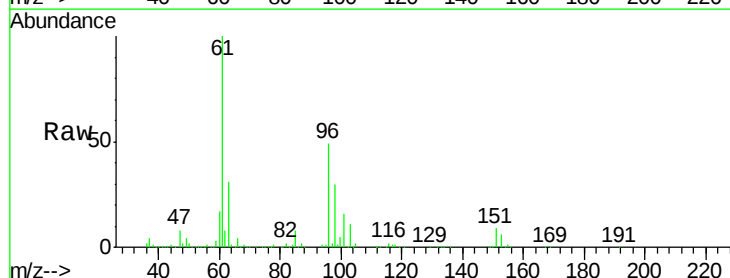
MMDadoda
3/11/2020 3:24:20 PM

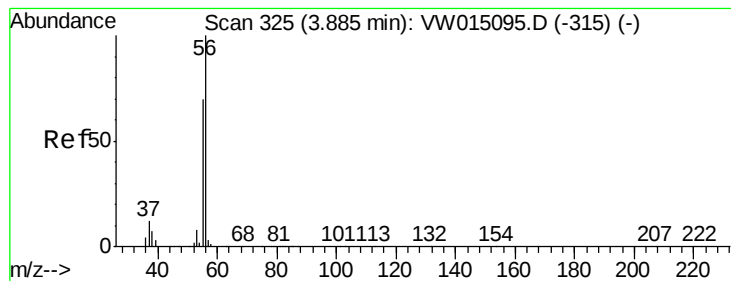


#12

1,1-Dichloroethene
Concen: 48.364 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.4	165.5	248.3
98	62.0	51.1	76.7





#13

Acrolein

Concen: 218.100 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 122768

Ion Ratio Lower Upper

56 100

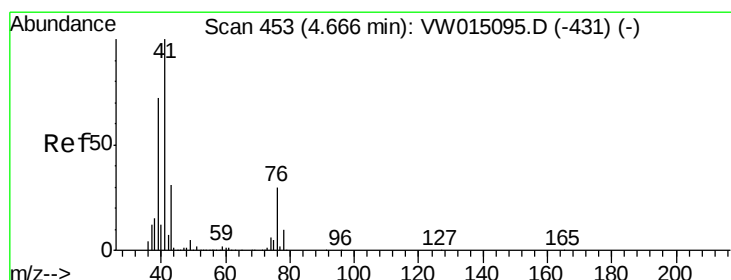
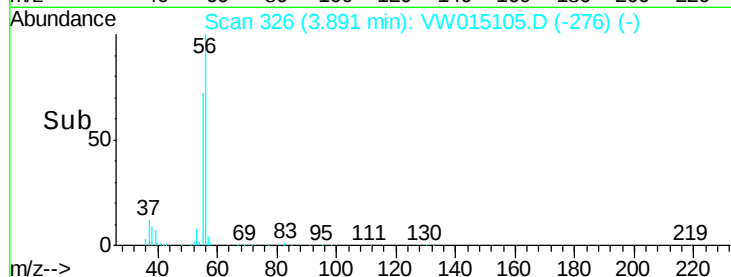
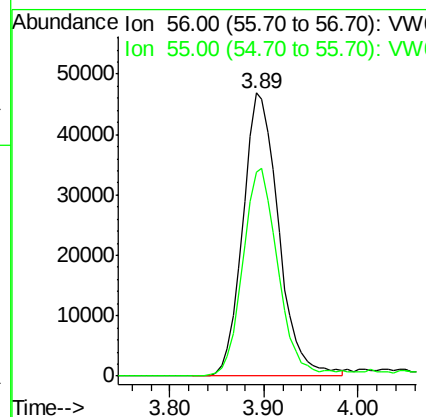
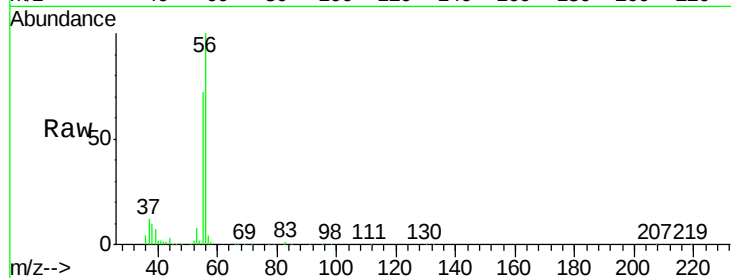
55 72.9 55.4 83.2

Manual Integrations

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#14

Allyl chloride

Concen: 52.078 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

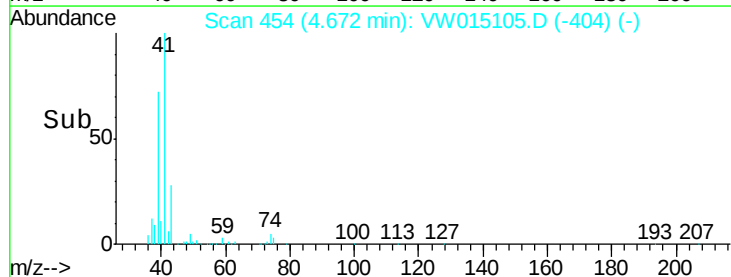
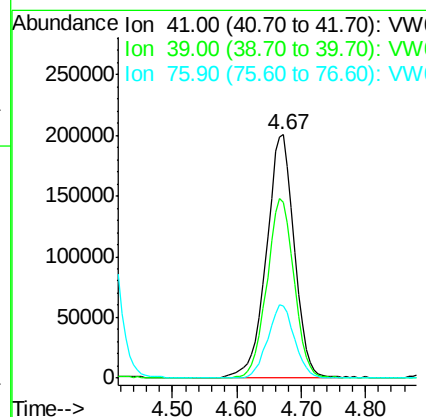
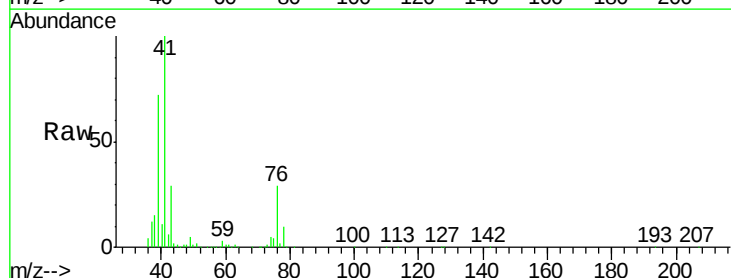
Tgt Ion: 41 Resp: 603960

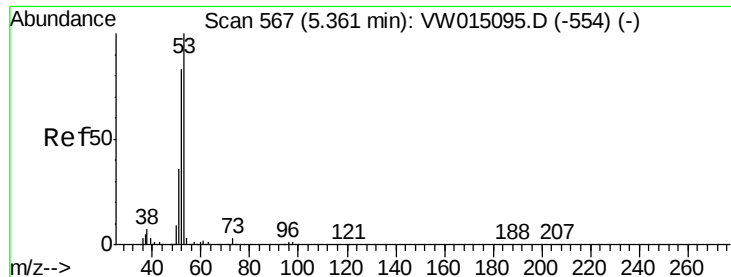
Ion Ratio Lower Upper

41 100

39 71.8 56.9 85.3

76 28.7 23.2 34.8





#15

Acrylonitrile

Concen: 237.950 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

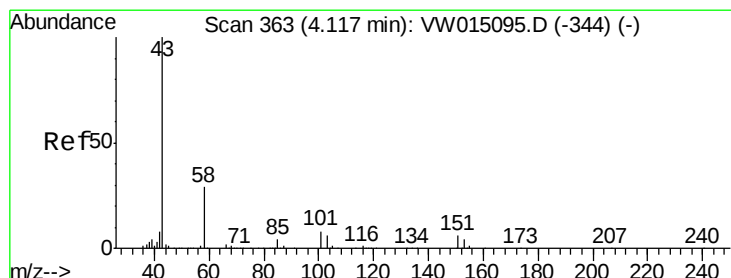
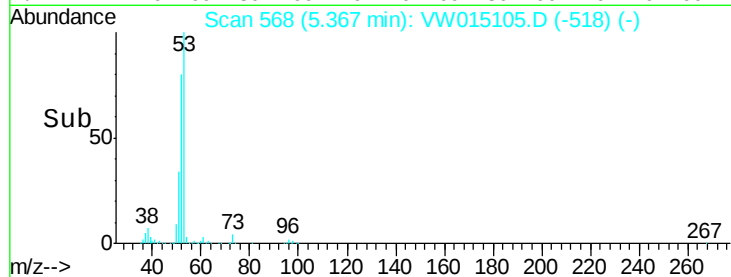
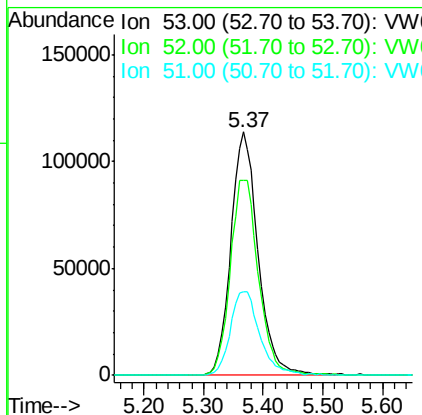
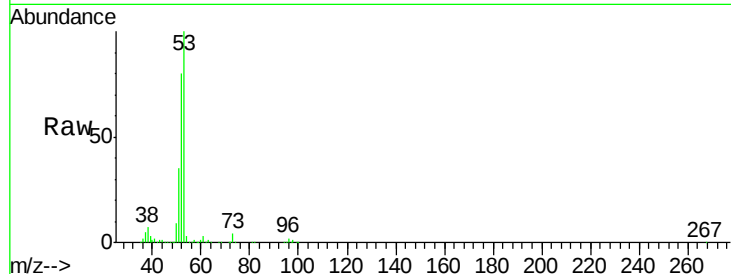
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	360860
Ion Ratio	Lower	Upper	
53	100		
52	83.8	67.2	100.8
51	37.6	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 219.169 ug/l

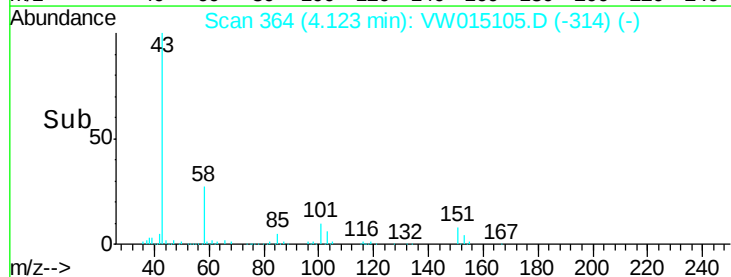
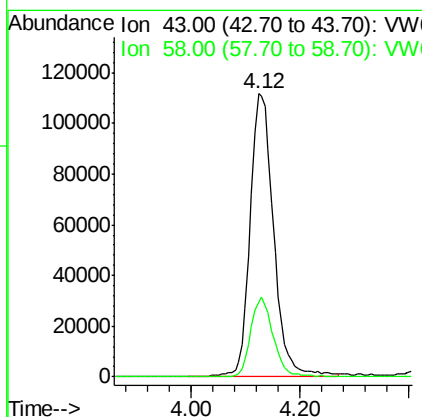
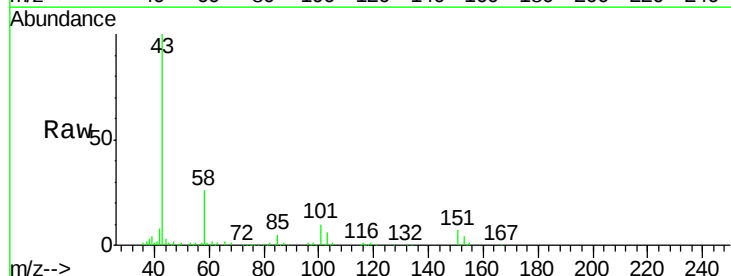
RT: 4.12 min Scan# 364

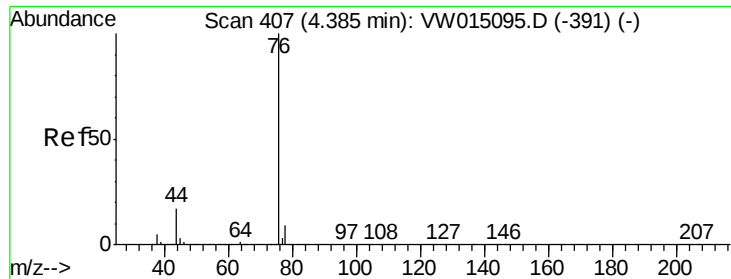
Delta R.T. 0.01 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Tgt Ion:	43	Resp:	334743
Ion Ratio	Lower	Upper	
43	100		
58	26.2	22.9	34.3





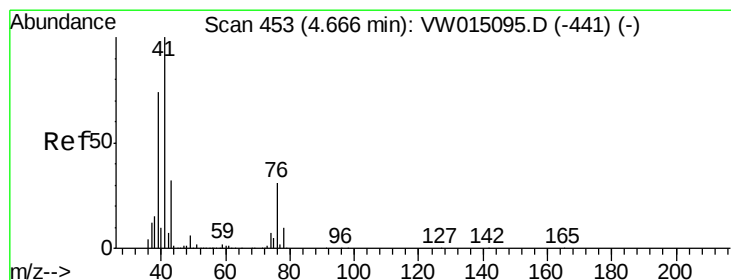
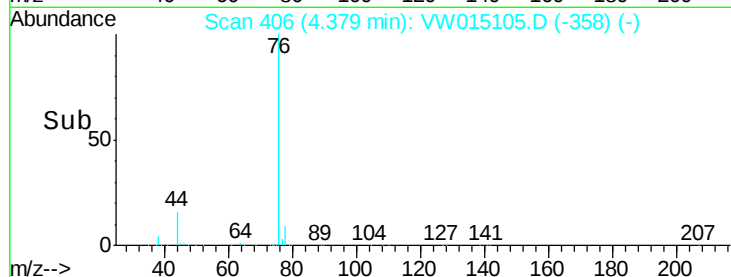
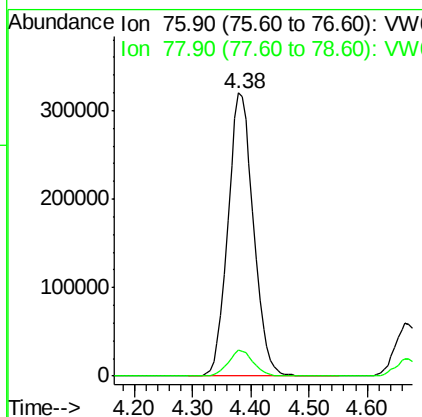
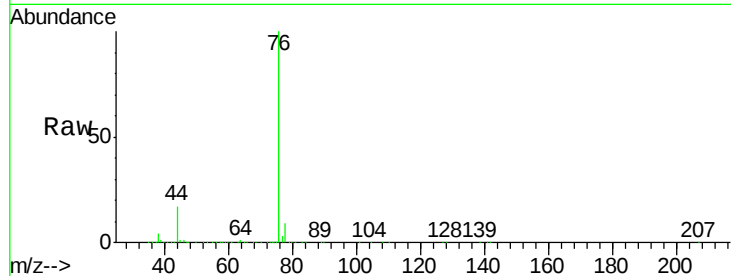
#17
Carbon Disulfide
Concen: 47.391 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

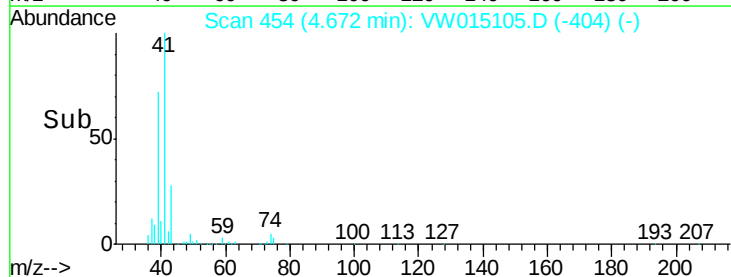
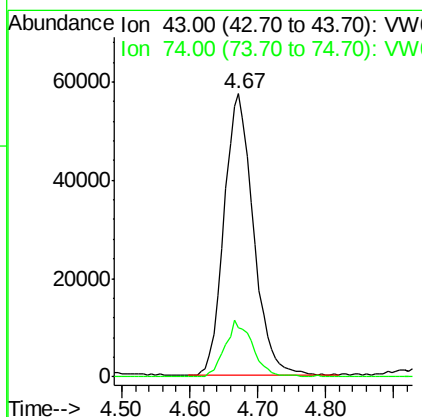
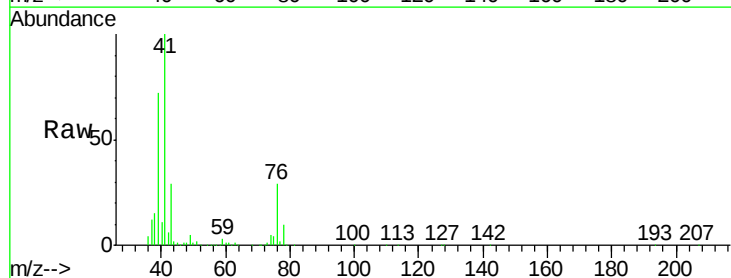
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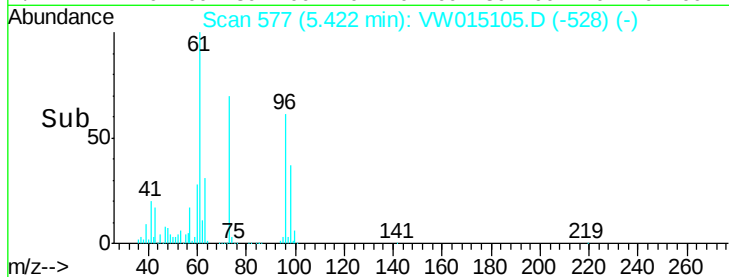
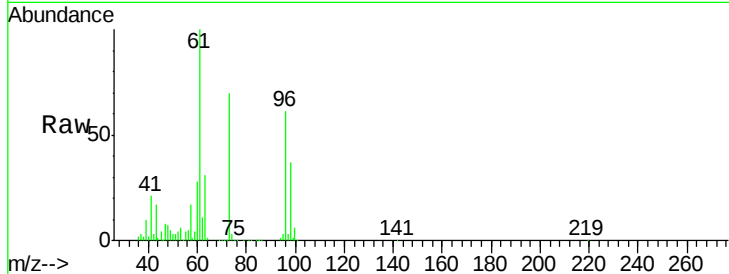
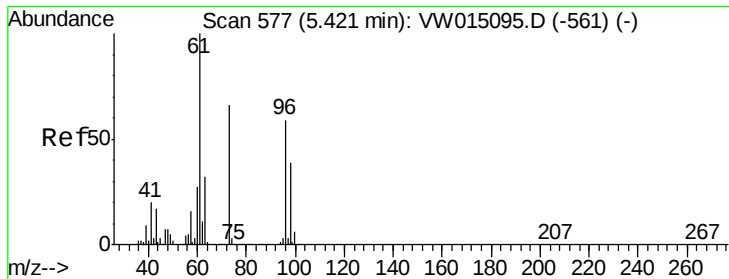
MMDadoda
3/11/2020 3:24:20 PM



#18
Methyl Acetate
Concen: 47.324 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	15.8	23.6





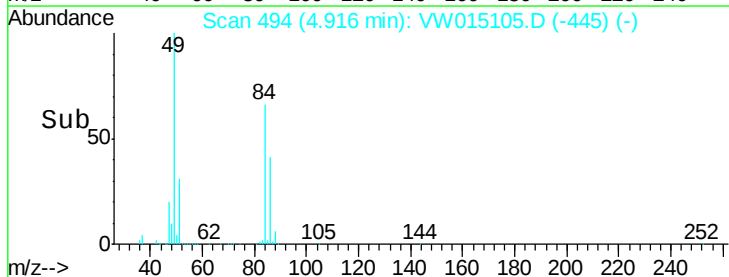
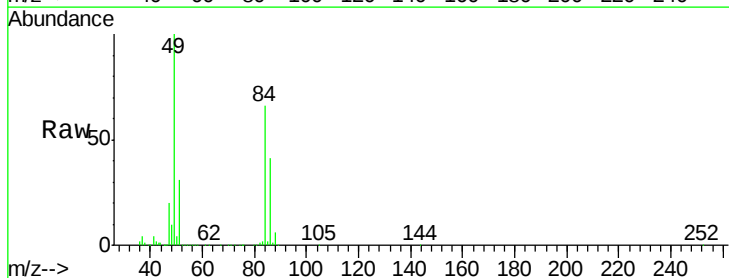
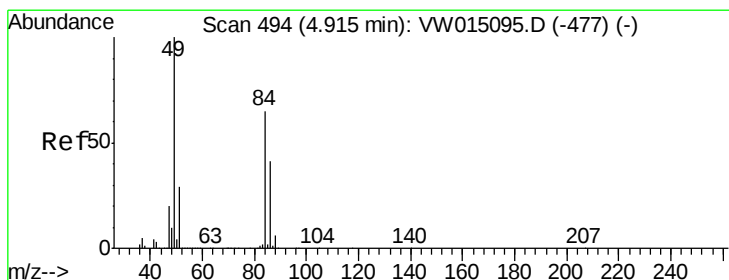
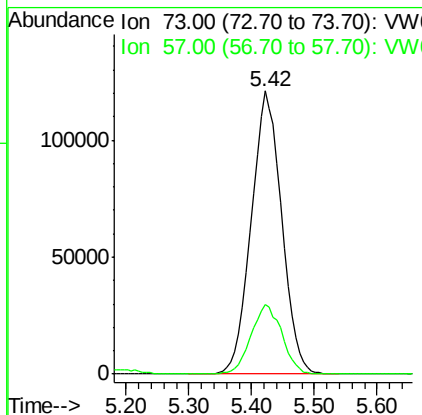
#19
Methvl tert-butvl Ether
Concen: 54.730 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.6	19.3	28.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

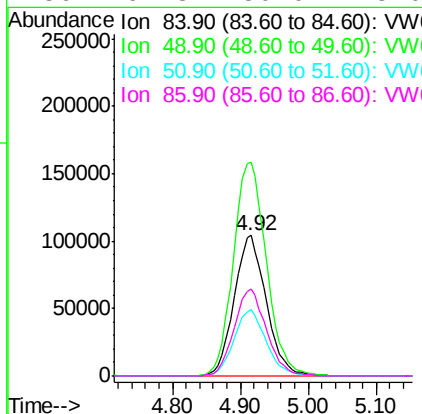
Manual Integrations
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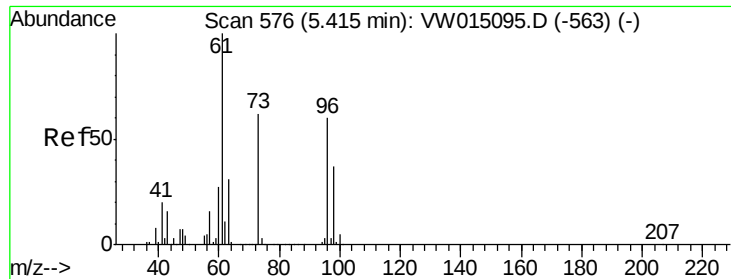
MMDadoda
3/11/2020 3:24:20 PM



#20
Methylene Chloride
Concen: 55.084 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.3	122.8	184.2
51	46.9	35.9	53.9
86	62.3	50.0	75.0





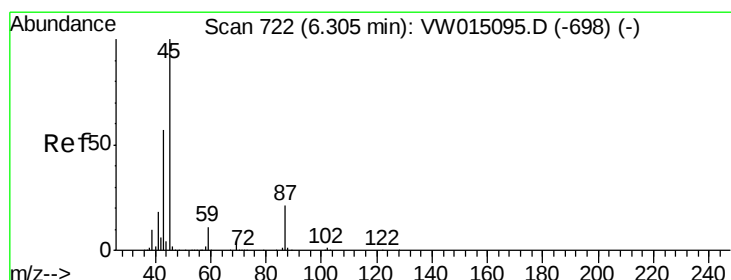
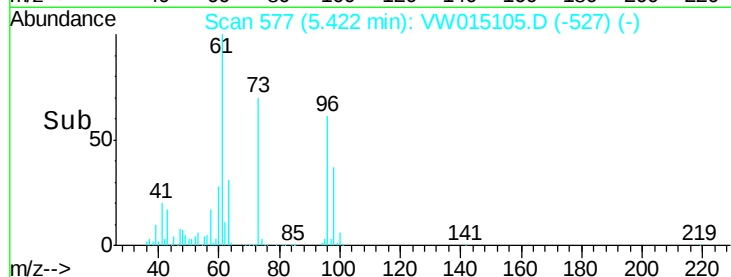
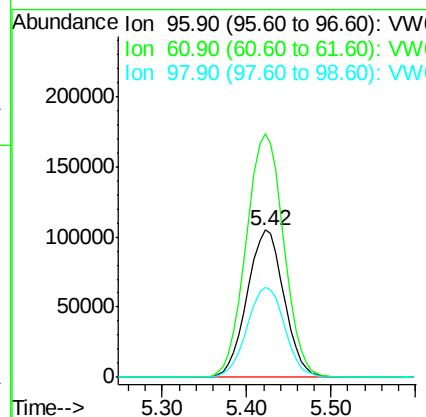
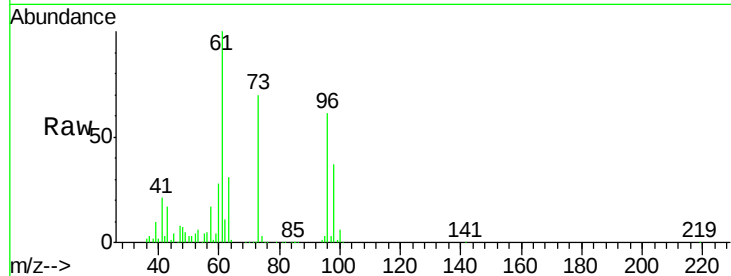
#21
trans-1,2-Dichloroethene
Concen: 50.757 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.2	132.5	198.7
98	61.2	48.9	73.3

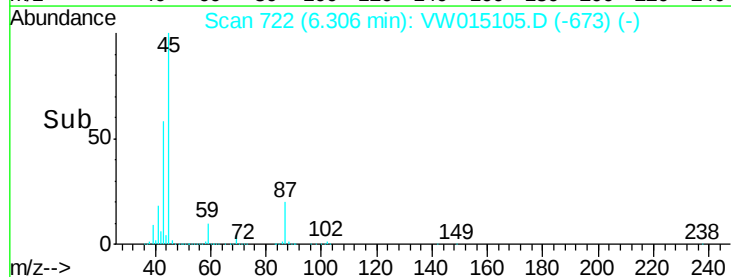
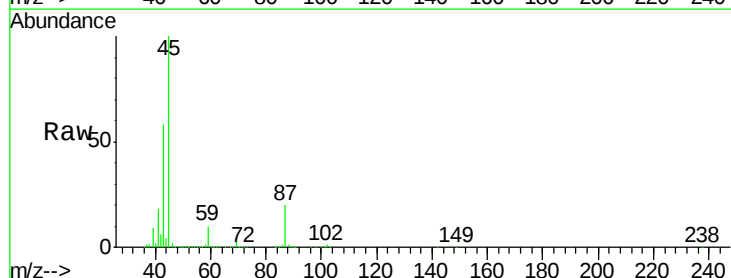
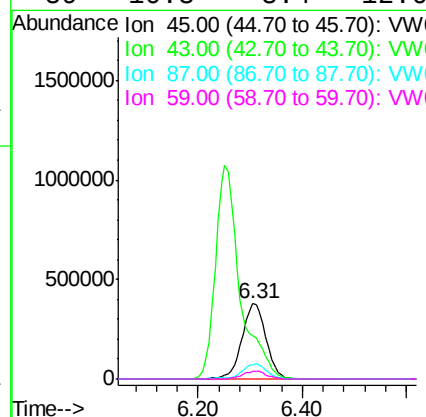
Manual Integrations
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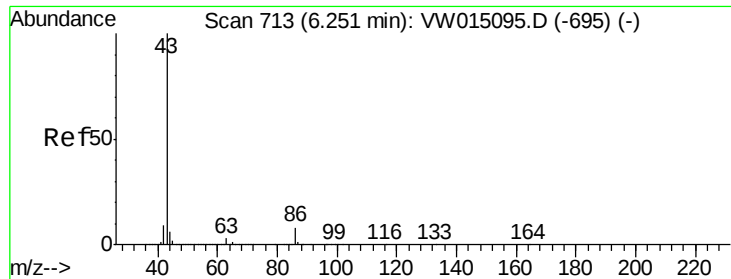
MMDadoda
3/11/2020 3:24:20 PM



#22
Diisopropyl ether
Concen: 54.253 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	45.4	68.0
87	19.7	16.4	24.6
59	10.3	8.4	12.6





#23

Vinyl Acetate

Concen: 267.642 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3515736

Ion Ratio Lower Upper

43 100

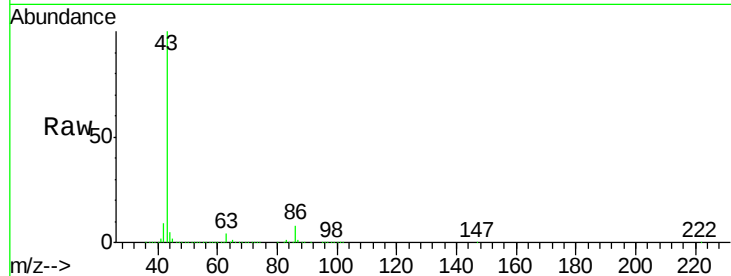
86 8.0 6.3 9.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

1200000

1000000

800000

600000

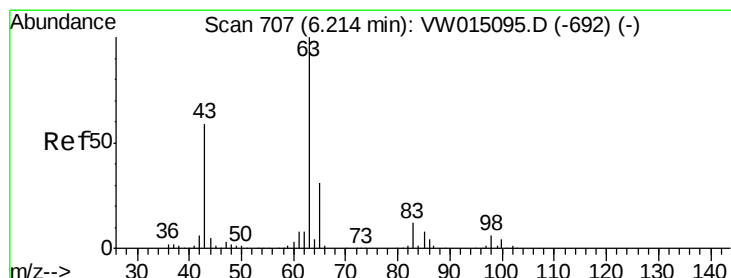
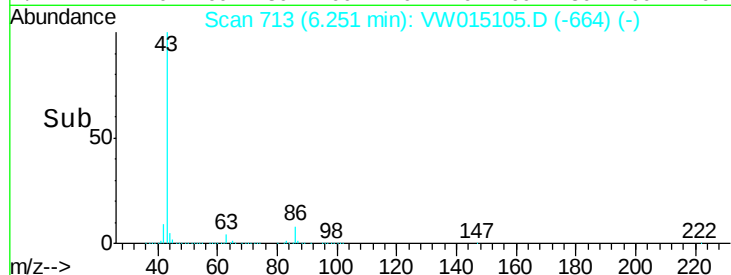
400000

200000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 50.169 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

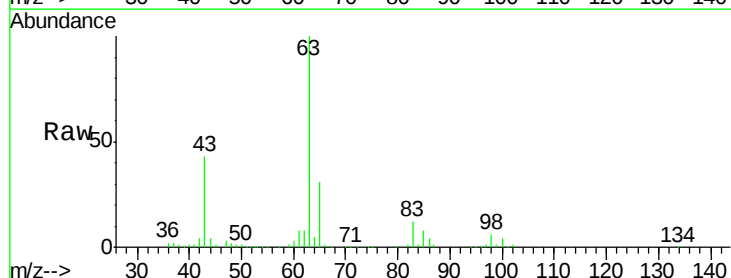
Tgt Ion: 63 Resp: 651011

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.6 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

300000

250000

200000

150000

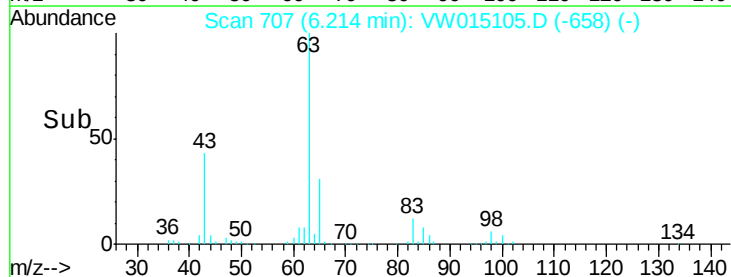
100000

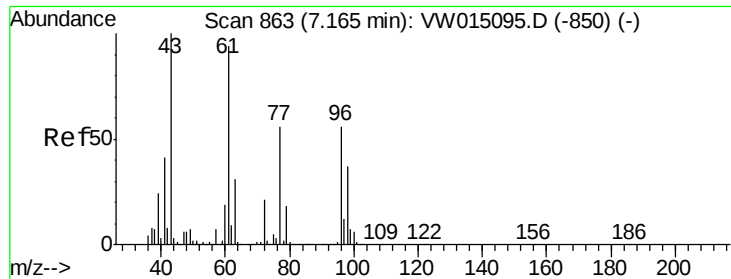
50000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 232.903 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 487652

Ion Ratio Lower Upper

43 100

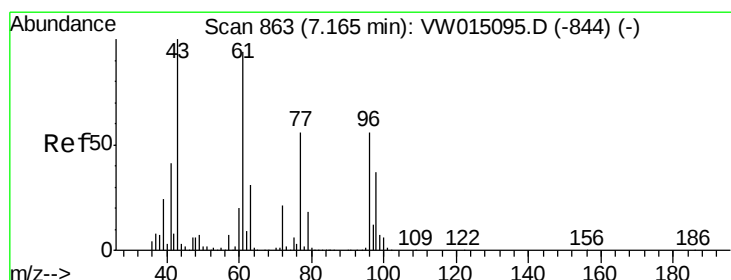
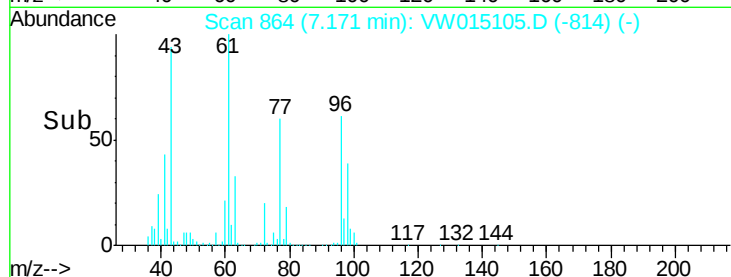
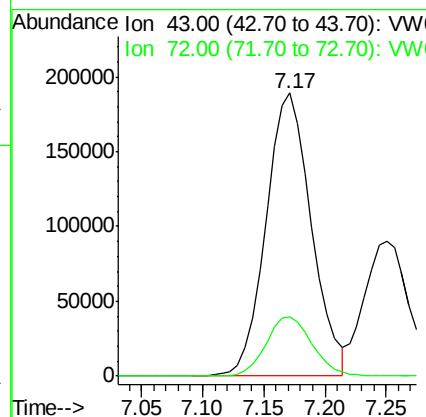
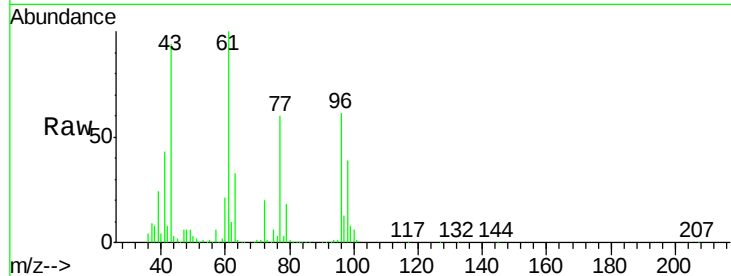
72 20.9 17.0 25.6

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:24:20 PM



#26

2,2-Dichloropropane

Concen: 49.255 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015105.D

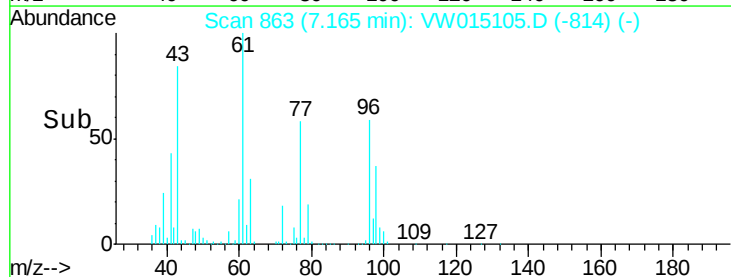
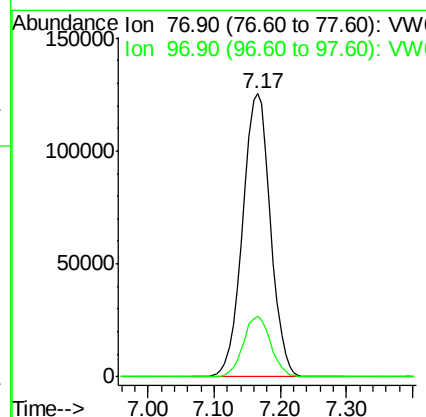
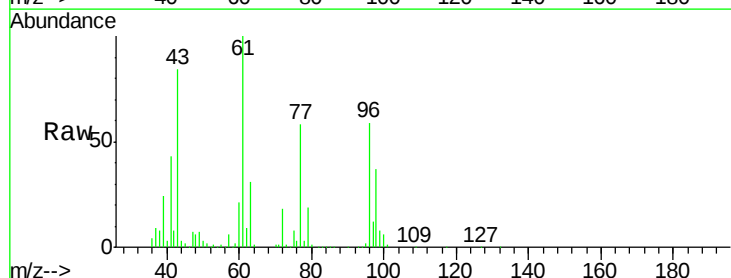
Acq: 09 Mar 2020 18:41

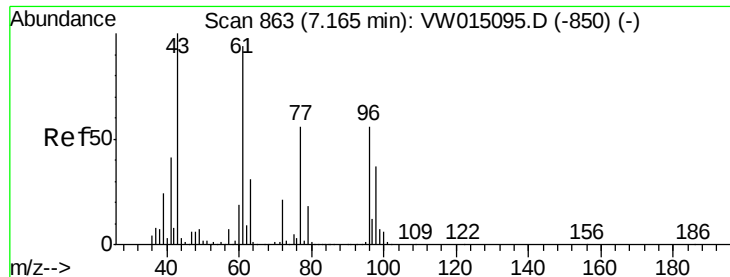
Tgt Ion: 77 Resp: 365552

Ion Ratio Lower Upper

77 100

97 21.1 10.6 31.8





#27

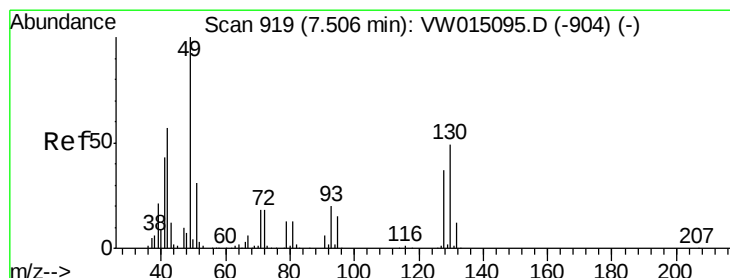
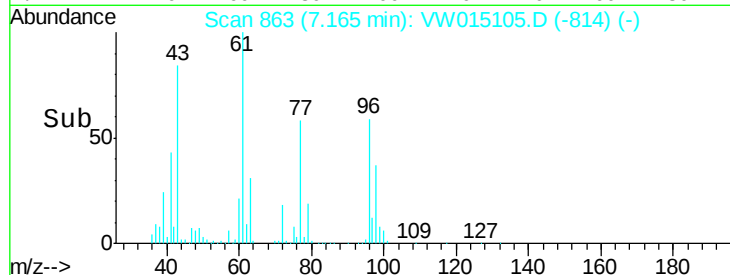
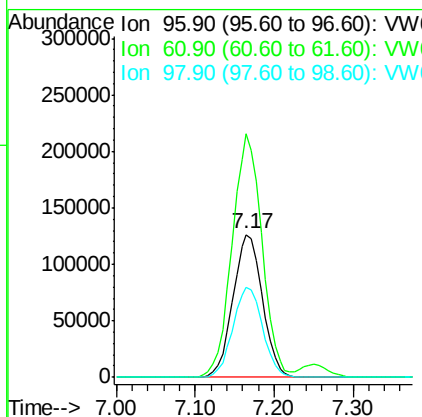
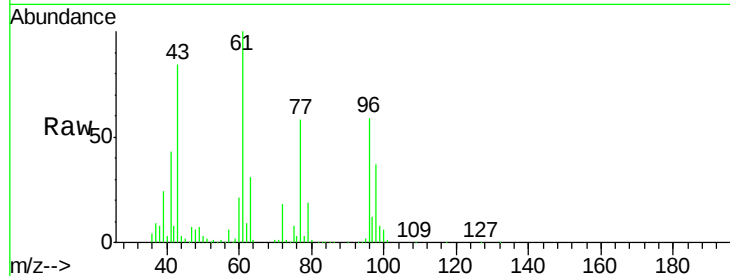
cis-1,2-Dichloroethene
Concen: 51.440 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	172.3	0.0	343.4	
98	63.7	0.0	127.6	

Manual Integrations
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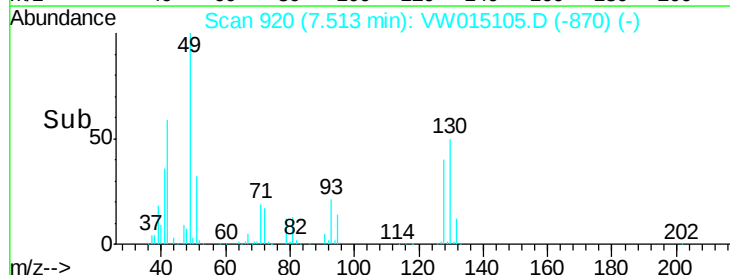
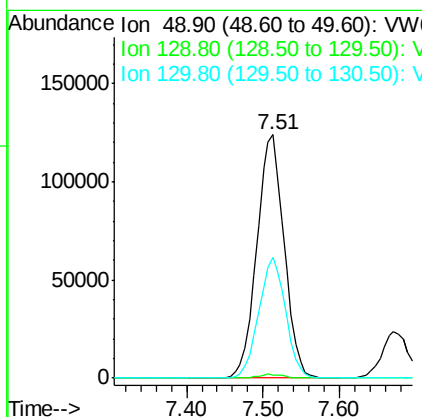
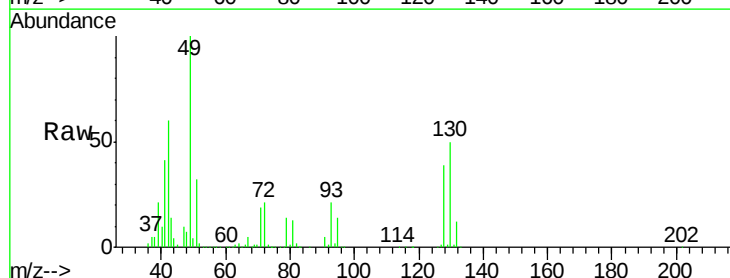
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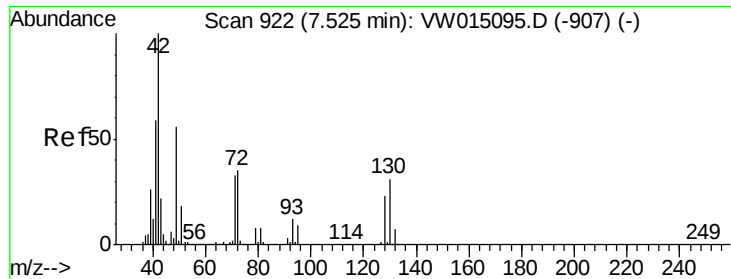


#28

Bromochloromethane
Concen: 49.624 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	3.0	
130	48.7	39.8	59.6	





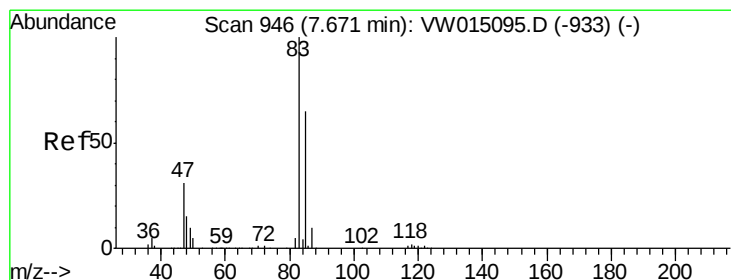
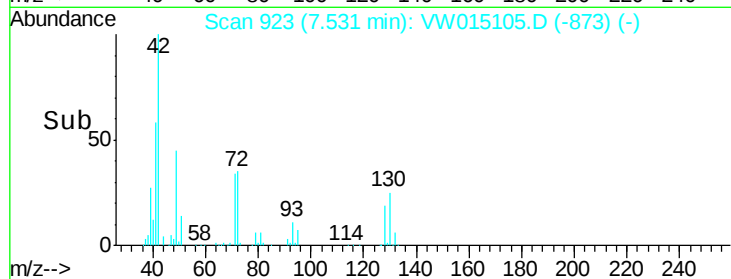
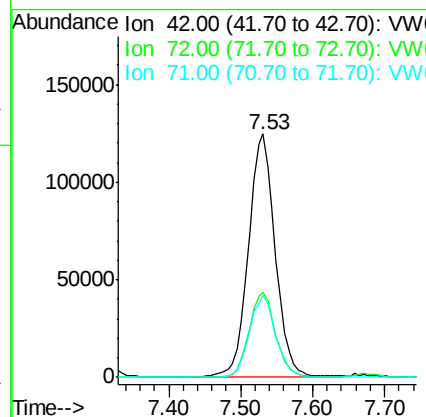
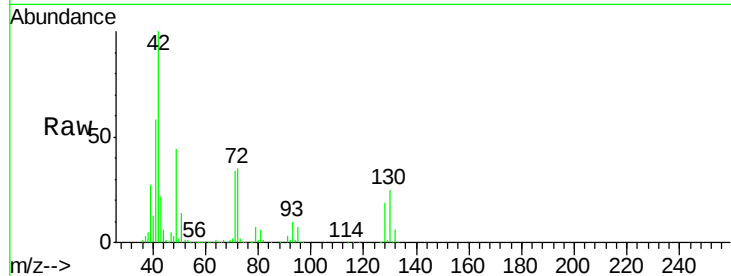
#29
Tetrahydrofuran
Concen: 243.554 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	27.8	41.6
71	33.2	26.4	39.6

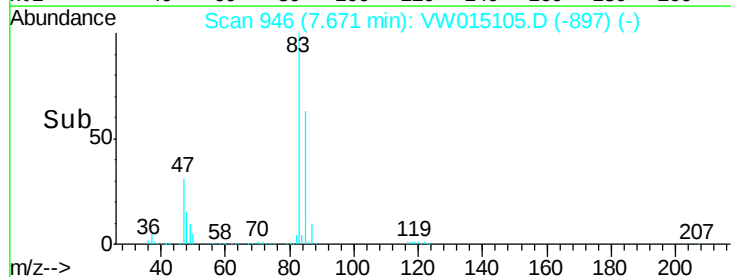
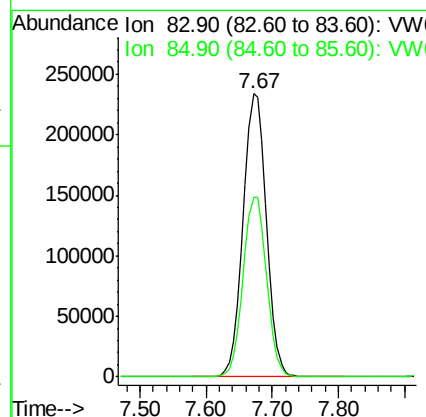
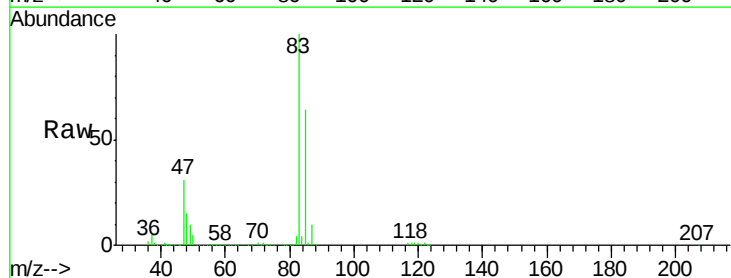
Manual Integrations
APPROVED

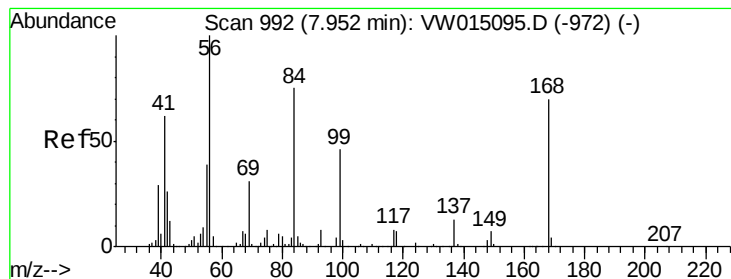
MMDadoda
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#30
Chloroform
Concen: 49.619 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.9	77.9





#31

Cyclohexane

Concen: 48.069 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 641539

Ion Ratio Lower Upper

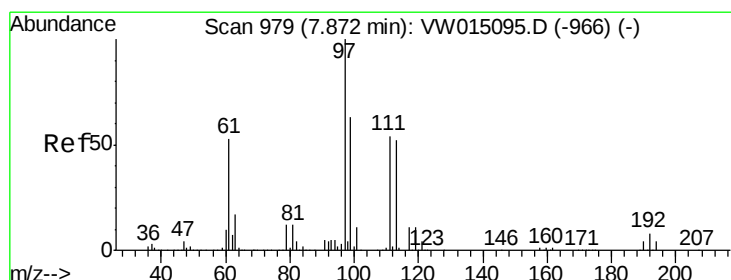
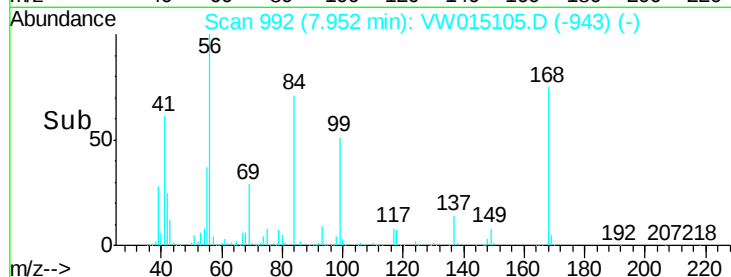
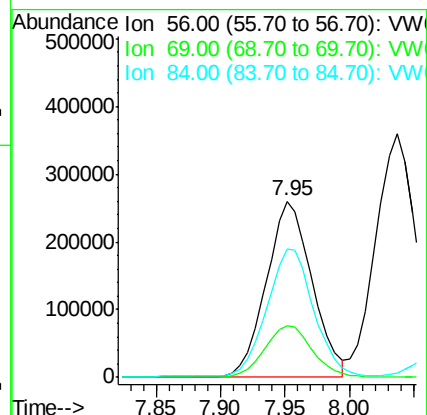
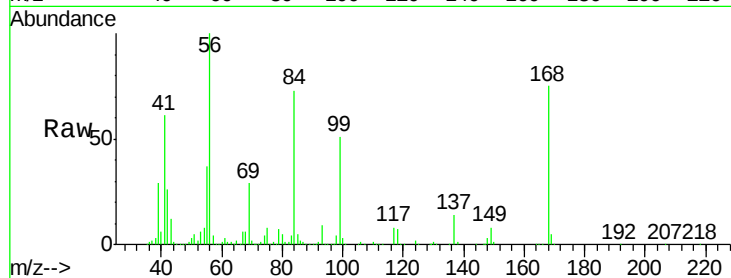
56 100

69 29.3 24.6 37.0

84 71.6 59.9 89.9

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 49.441 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

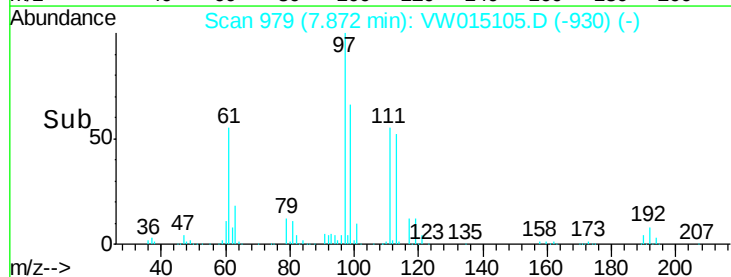
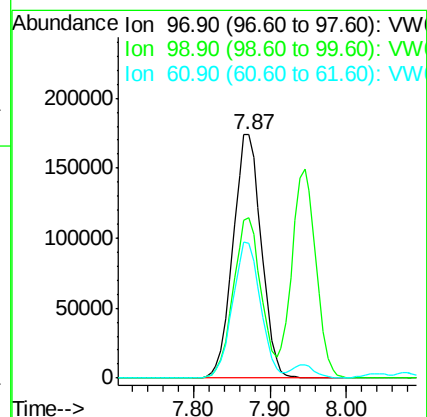
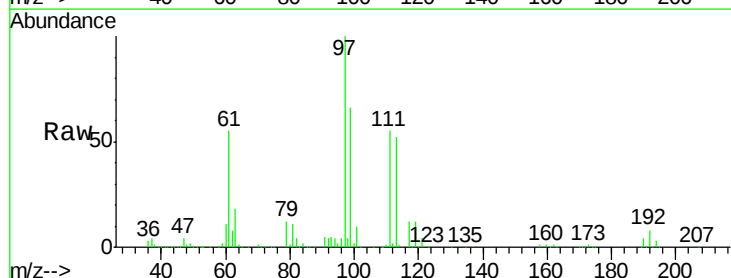
Tgt Ion: 97 Resp: 444546

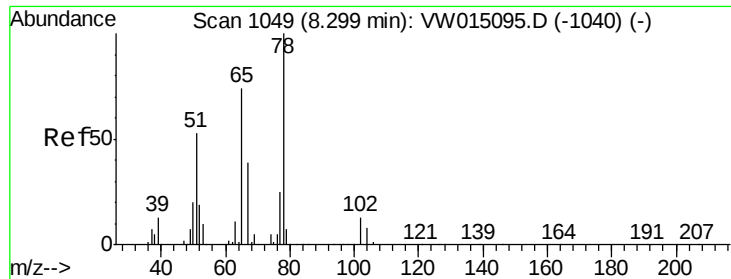
Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

61 55.5 44.0 66.0





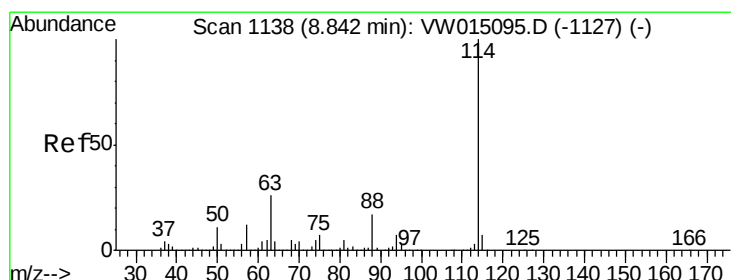
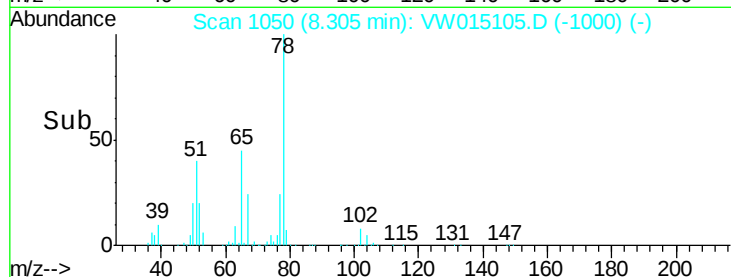
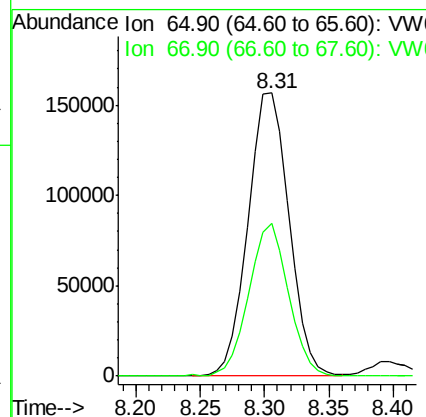
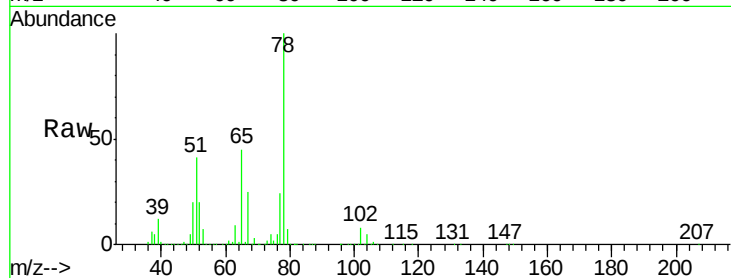
#33
 1,2-Dichloroethane-d4
 Concen: 51.573 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	345390		
67	52.2	0.0	105.0	

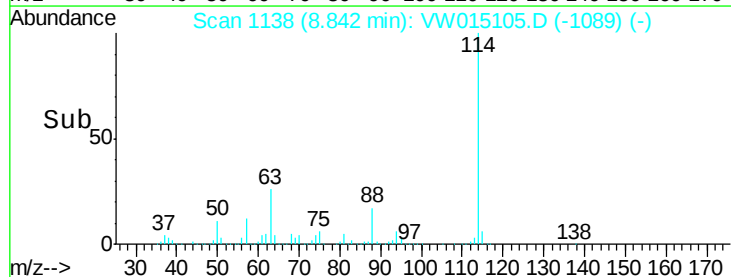
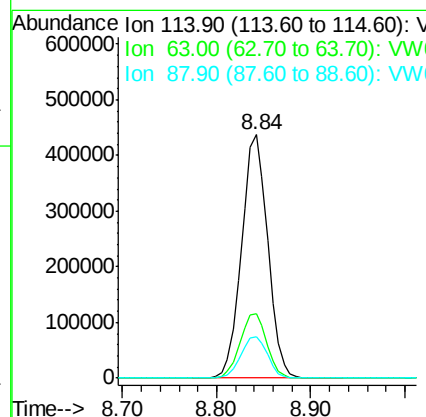
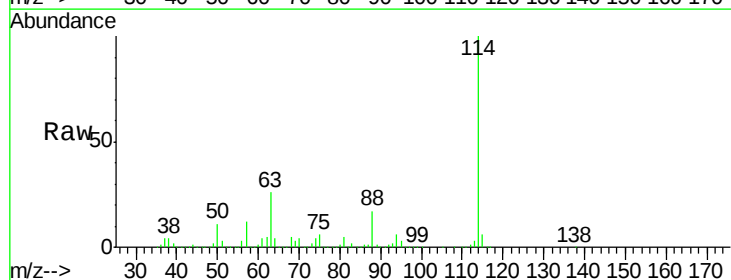
Manual Integrations
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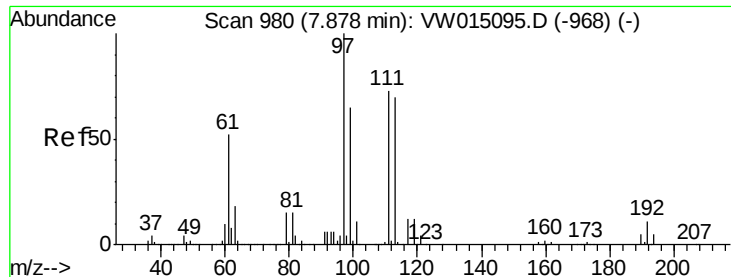
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	845169		
63	26.2	0.0	52.0	
88	17.0	0.0	34.2	





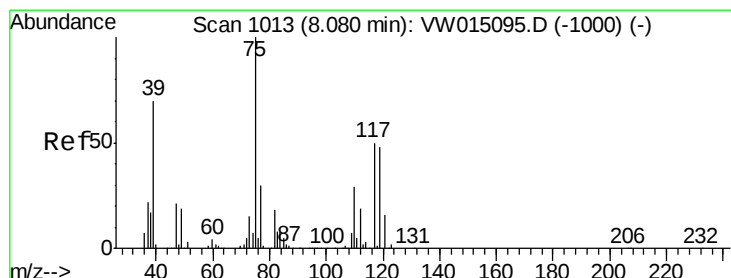
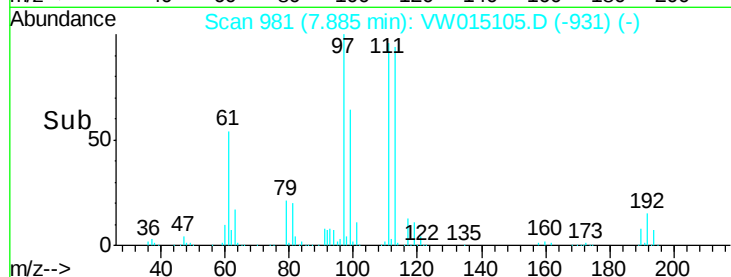
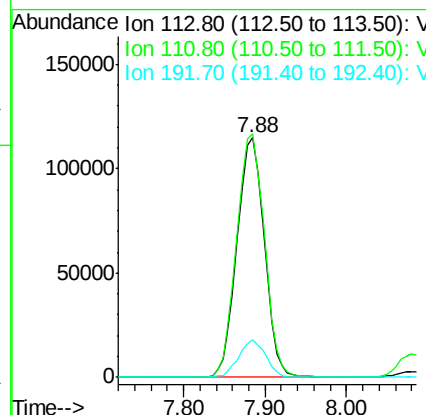
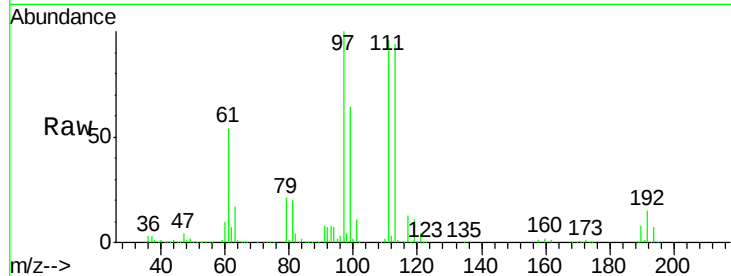
#35
 Dibromofluoromethane
 Concen: 52.664 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	266479		
111	103.8	83.6	125.4	
192	15.5	12.4	18.6	

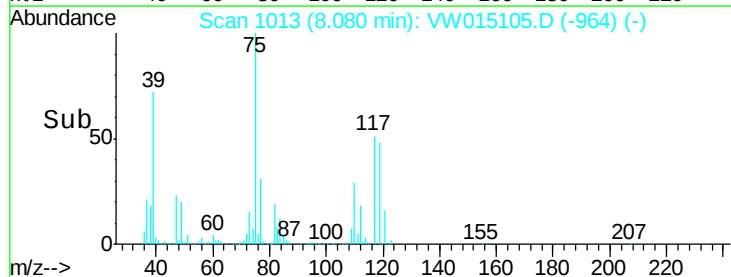
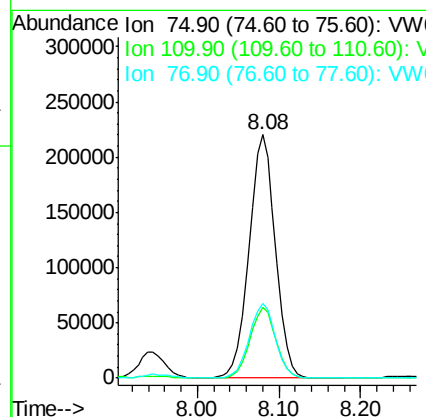
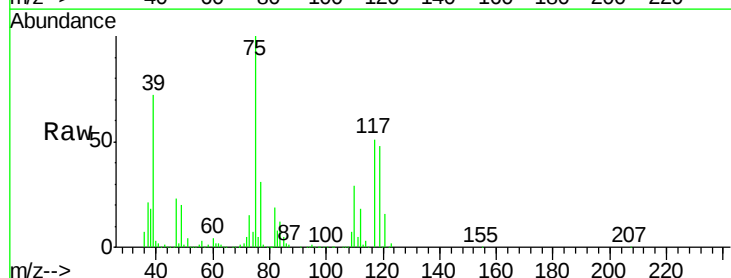
Manual Integrations
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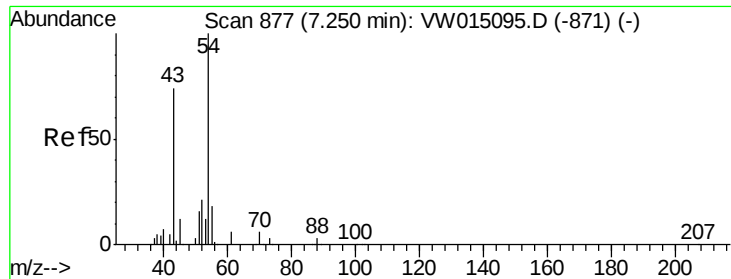
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#36
 1,1-Dichloropropene
 Concen: 50.268 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	492692		
110	28.8	14.7	44.1	
77	30.7	24.2	36.4	





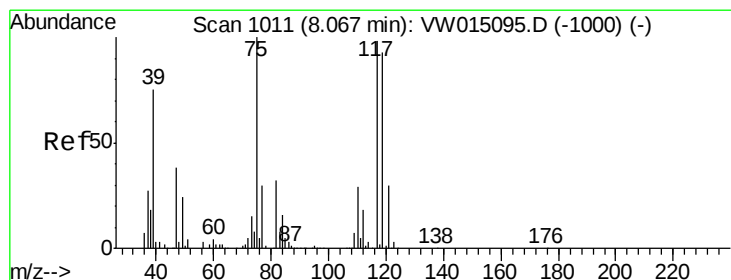
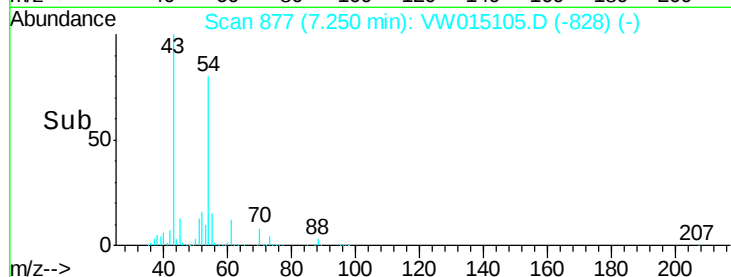
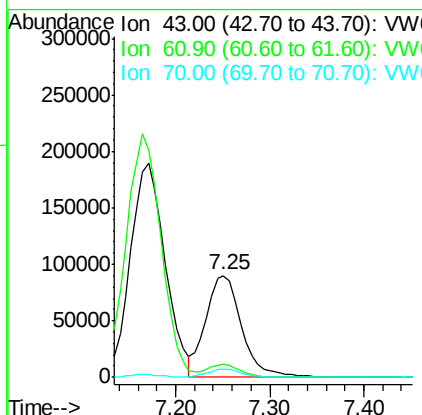
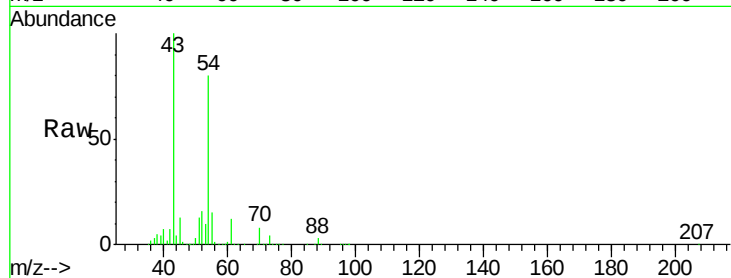
#37
Ethyl Acetate
Concen: 48.167 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	235293		
61	11.0		9.6	14.4
70	8.0		6.5	9.7

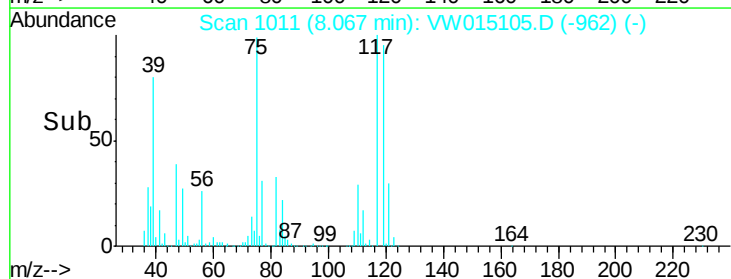
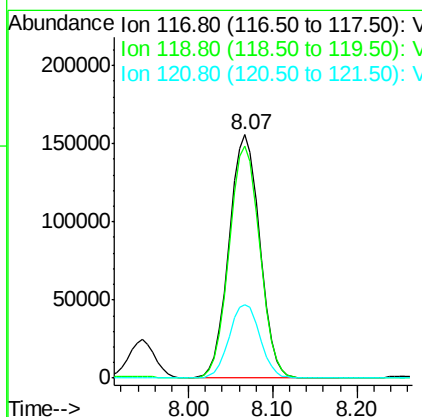
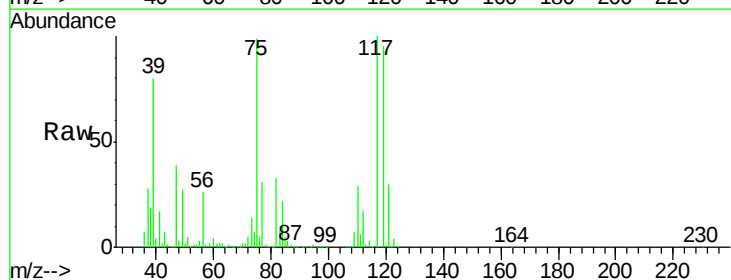
Manual Integrations
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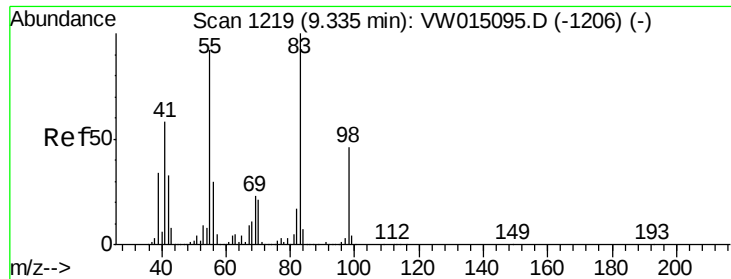
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#38
Carbon Tetrachloride
Concen: 48.166 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	384305		
119	95.2		75.8	113.8
121	30.4		24.5	36.7





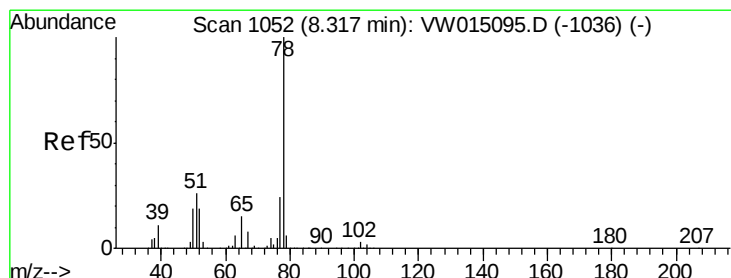
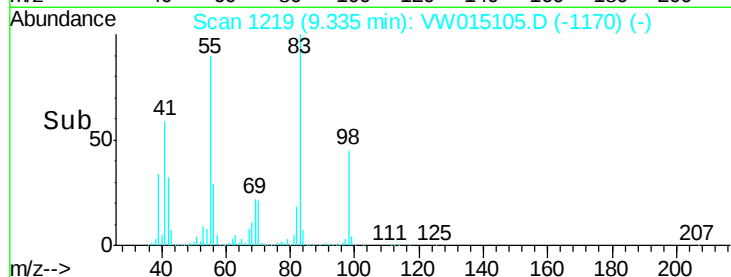
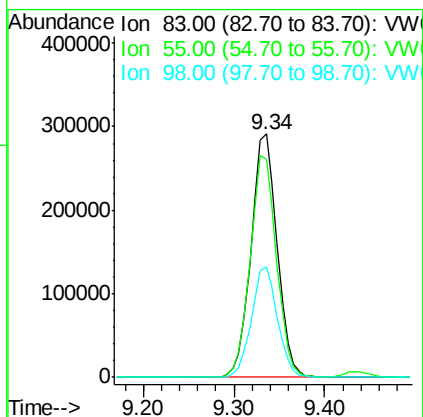
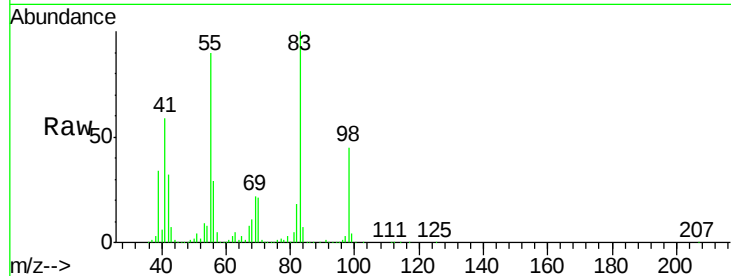
#39
Methvlcvclohexane
Concen: 51.651 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.7	73.5	110.3
98	45.4	37.2	55.8

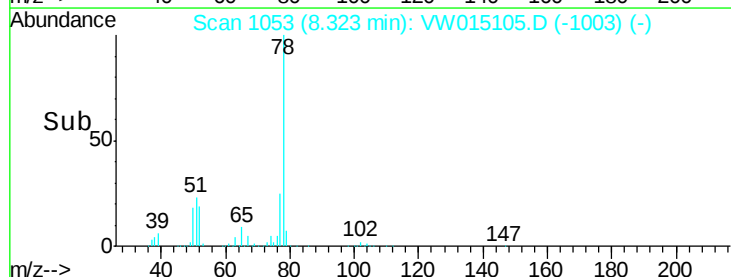
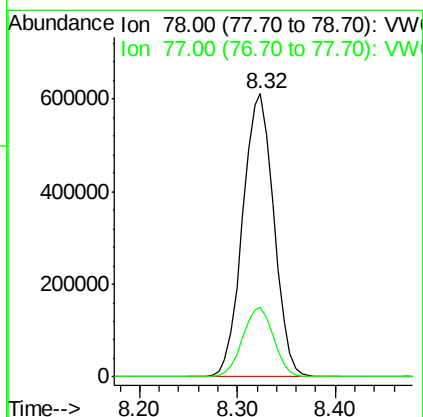
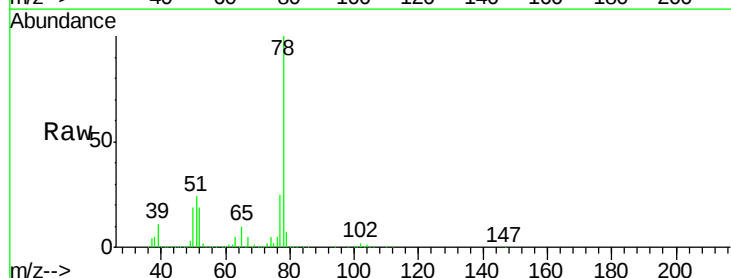
Manual Integrations
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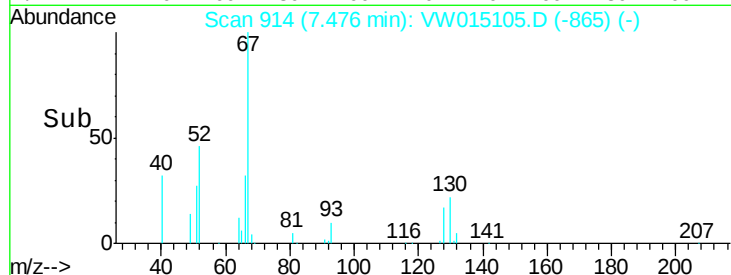
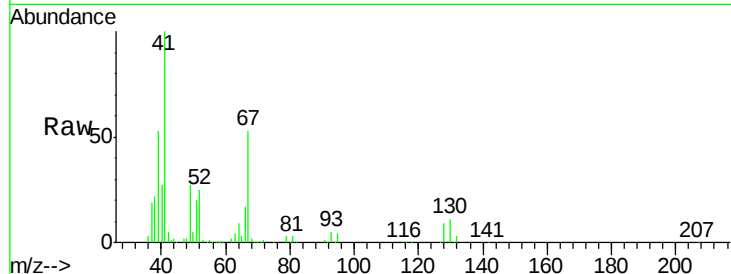
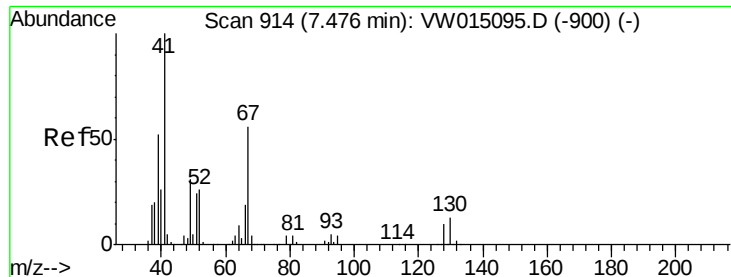
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#40
Benzene
Concen: 49.803 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.5	29.3





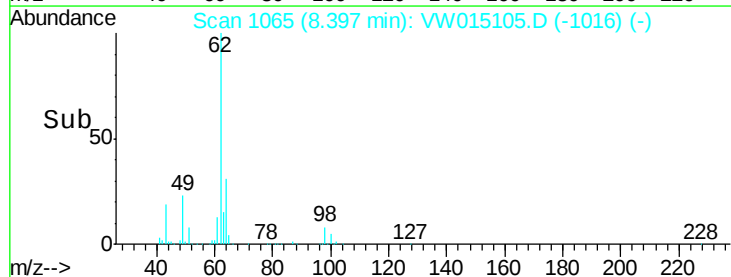
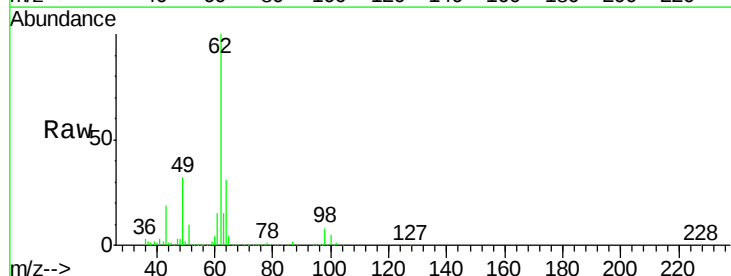
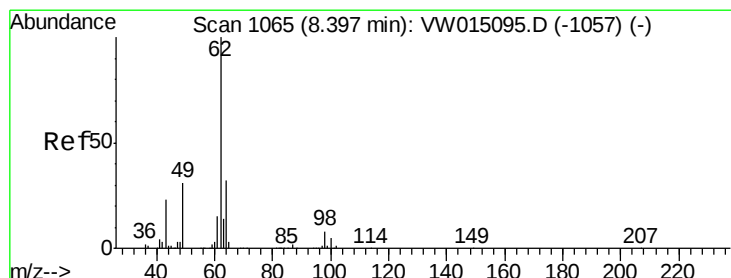
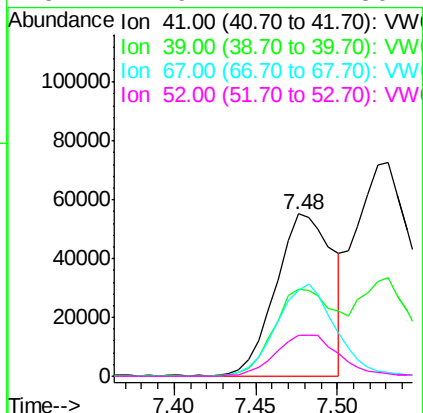
#41
Methacrylonitrile
Concen: 51.642 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tot Ion	41.00	Resp	133414
Ion	Ratio	Lower	Upper
41	100		
39	60.4	49.0	73.4
67	59.6	50.4	75.6
52	27.9	24.2	36.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

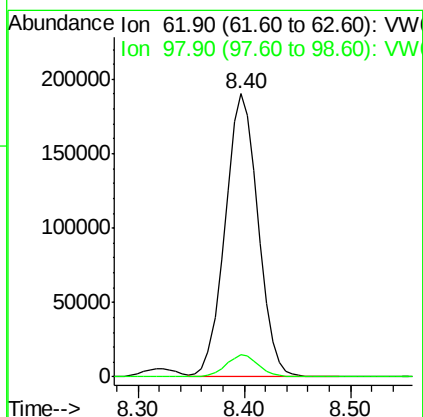
Manual Integrations
APPROVED

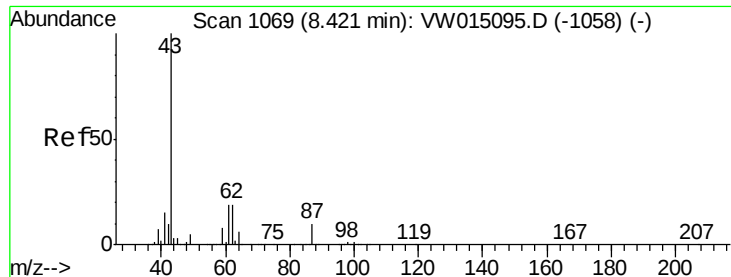
MMDadoda
3/11/2020 3:24:20 PM



#42
1,2-Dichloroethane
Concen: 49.491 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	62	Resp	410692
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.0





#43

Isopropyl Acetate

Concen: 49.381 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

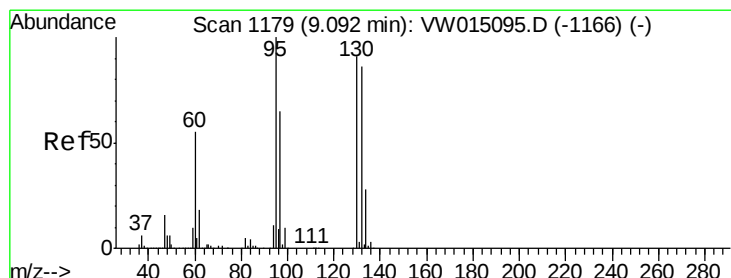
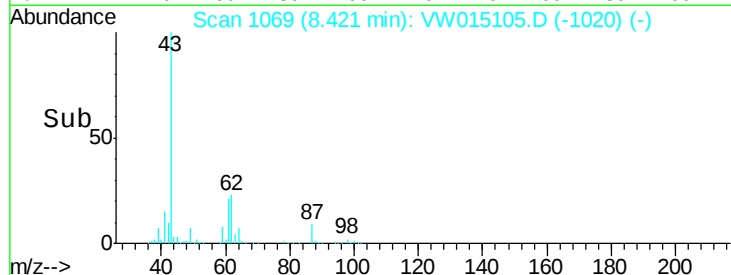
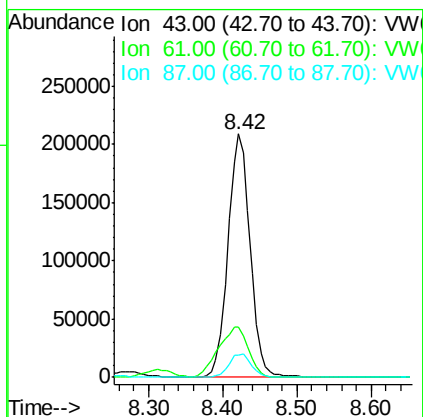
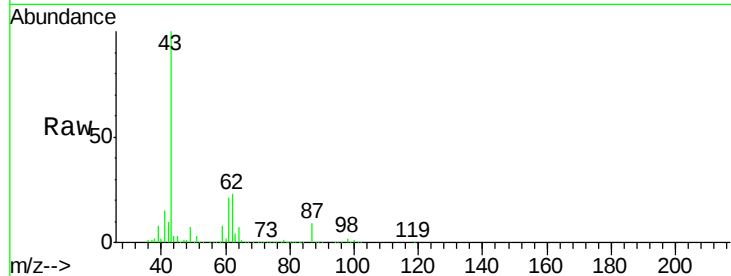
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	432454
Ion	Ratio	Lower	Upper
43	100		
61	28.0	21.8	32.8
87	9.8	8.0	12.0

Manual Integrations
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#44

Trichloroethene

Concen: 48.589 ug/l

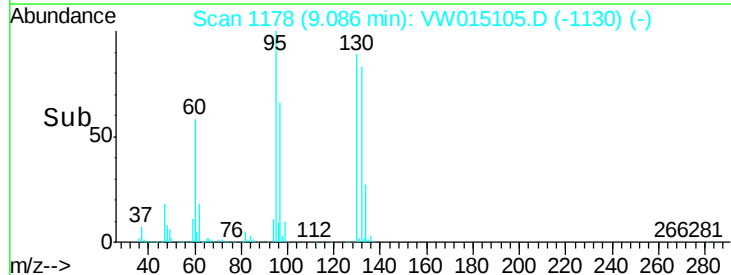
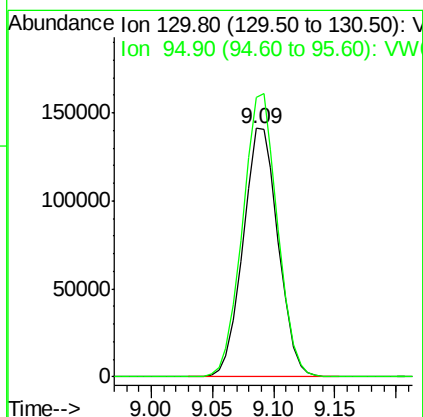
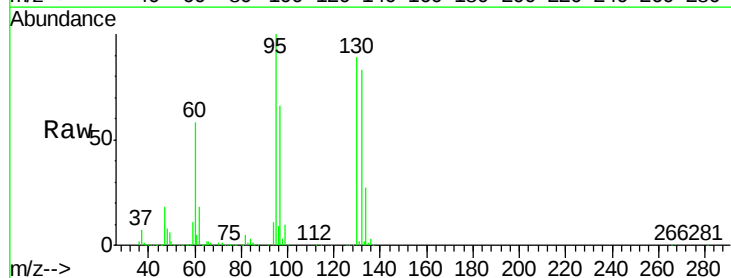
RT: 9.09 min Scan# 1178

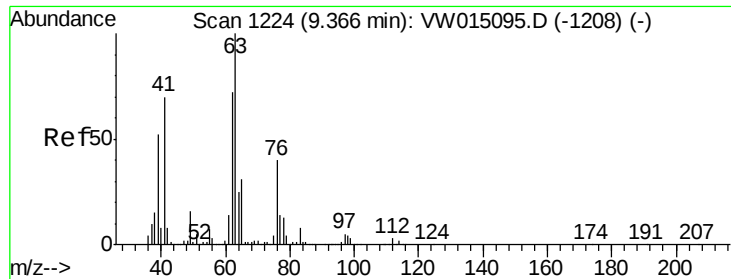
Delta R.T. -0.01 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Tgt Ion:	130	Resp:	281718
Ion	Ratio	Lower	Upper
130	100		
95	112.3	0.0	219.8





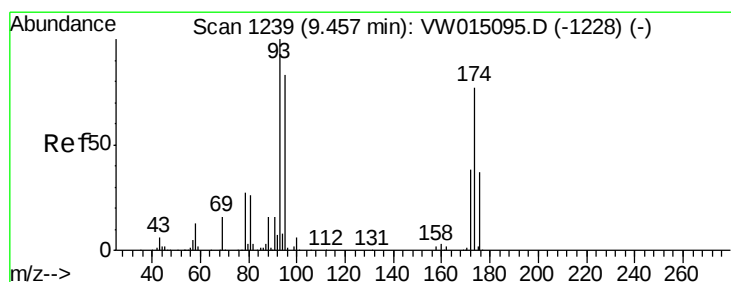
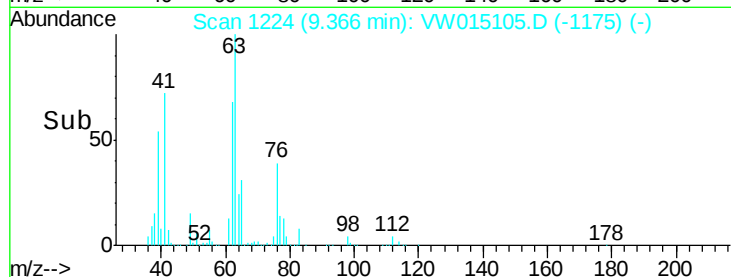
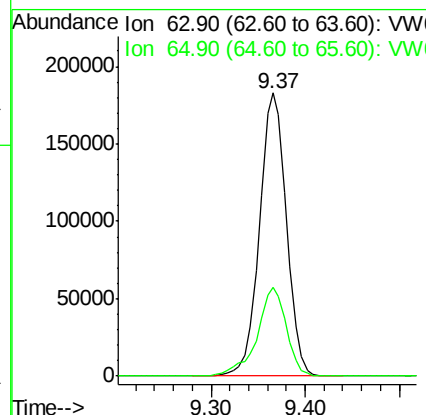
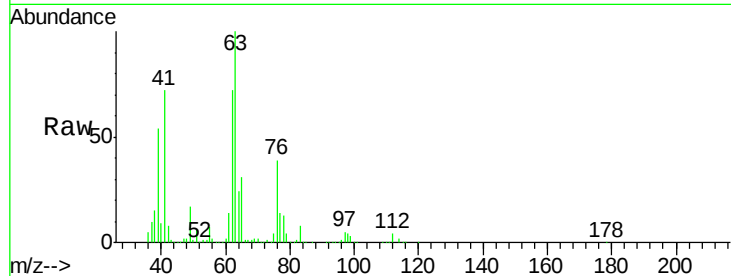
#45
 1,2-Dichloropropane
 Concen: 50.224 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.6	36.8

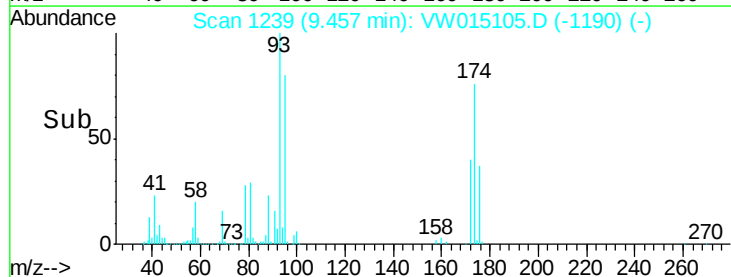
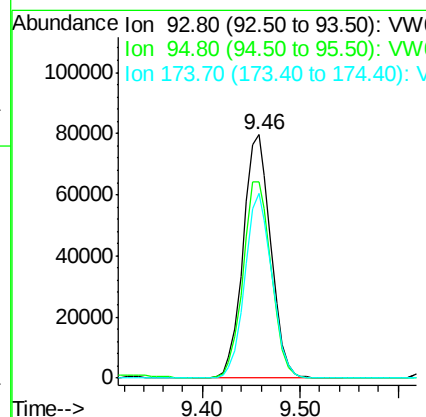
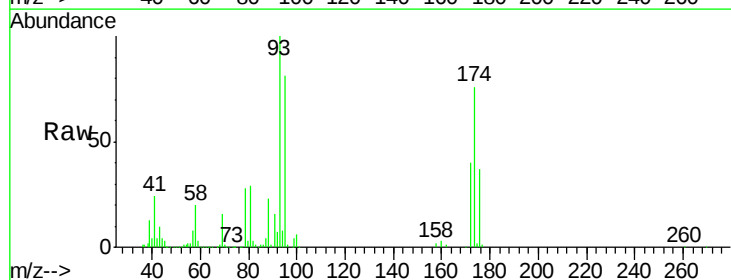
Manual Integrations
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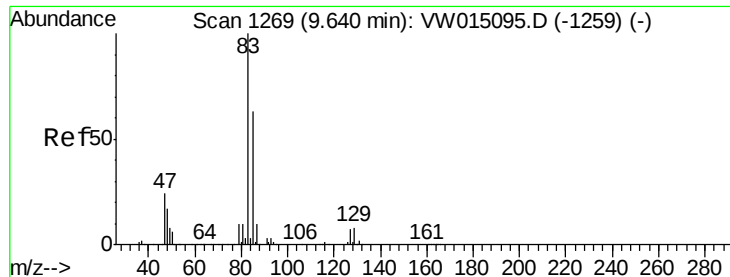
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 3/11/2020 3:24:20 PM



#46
 Dibromomethane
 Concen: 48.940 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.6	100.0
174	74.2	60.6	91.0





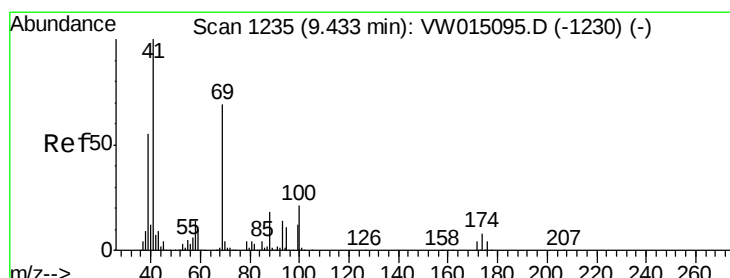
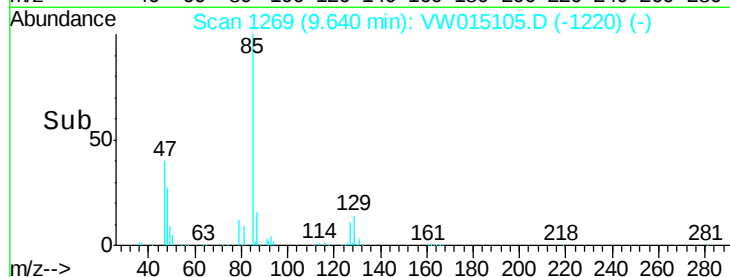
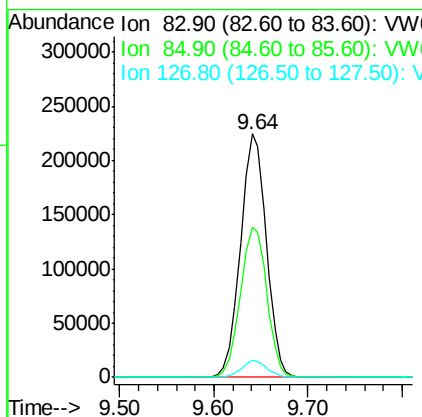
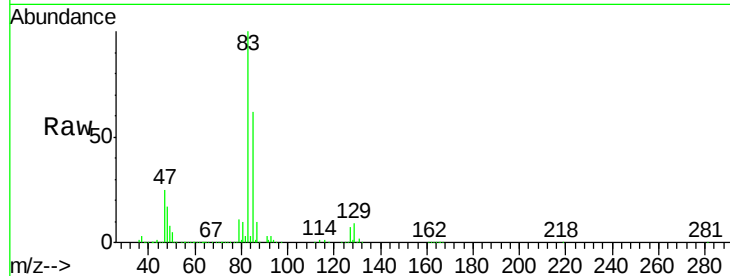
#47
Bromodichloromethane
Concen: 50.113 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.7	76.1
127	6.8	5.5	8.3

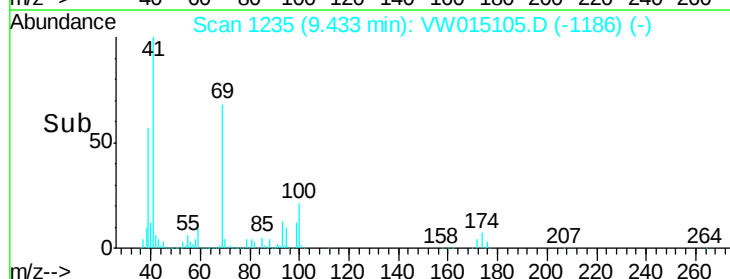
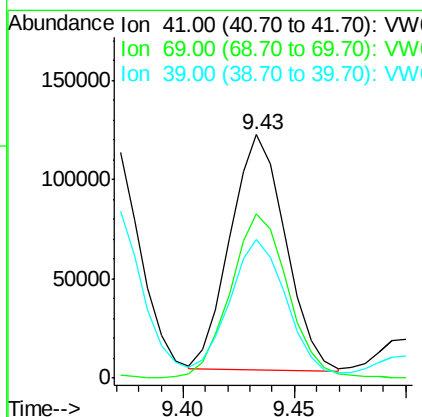
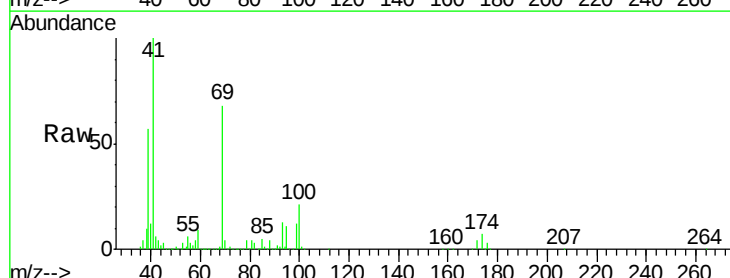
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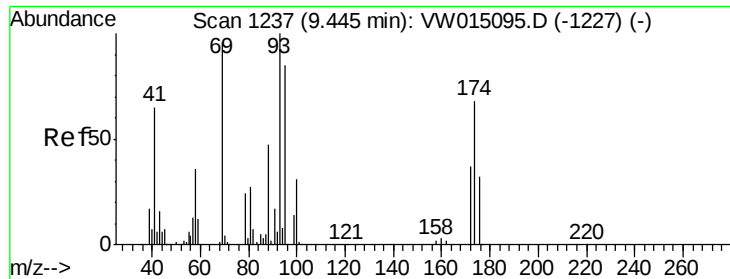
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#48
Methyl methacrylate
Concen: 45.708 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.0	58.7	88.1
39	56.6	45.1	67.7





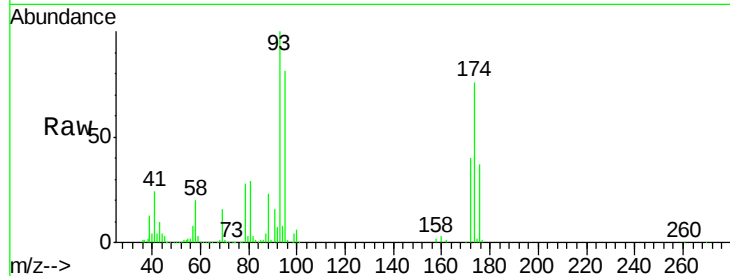
#49
1,4-Dioxane
Concen: 883.596 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	35.8	53.8#
58	90.2	64.0	96.0

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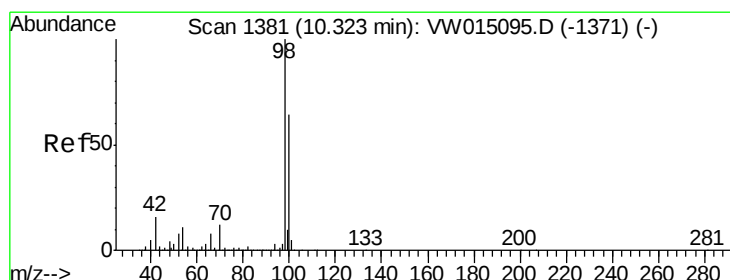
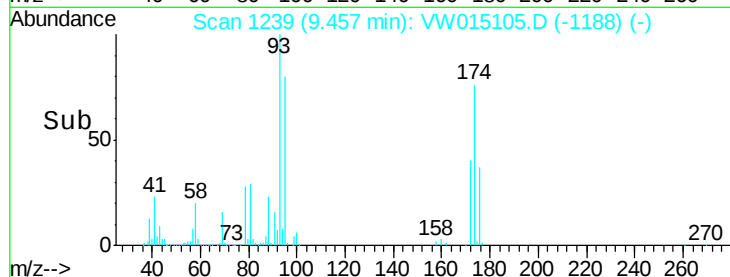
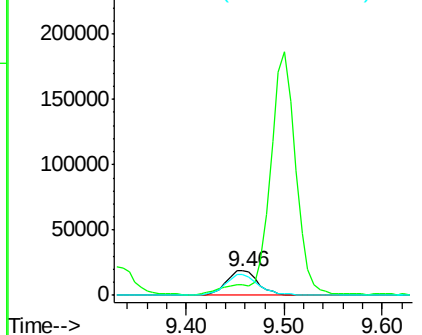


Abundance

Ion 88.00 (87.70 to 88.70): VW

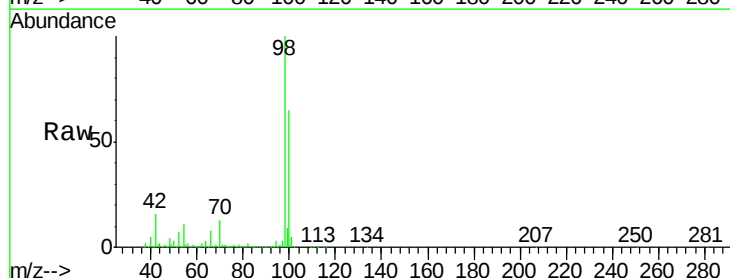
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 53.841 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

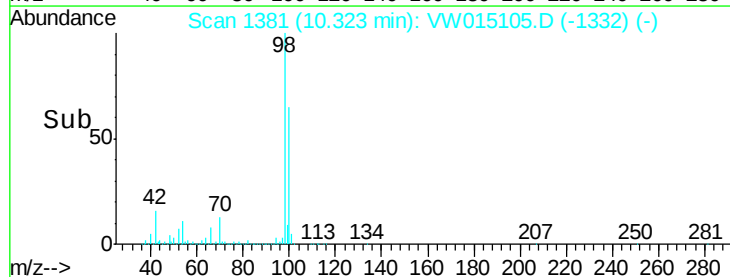
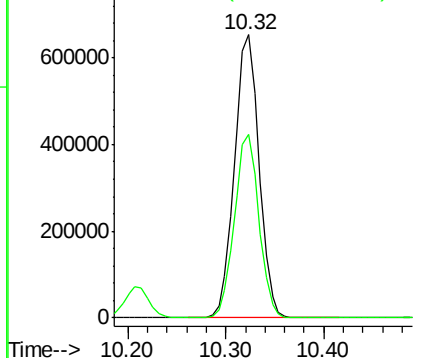
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2

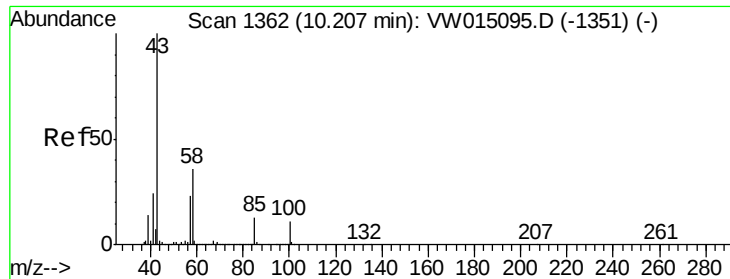


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





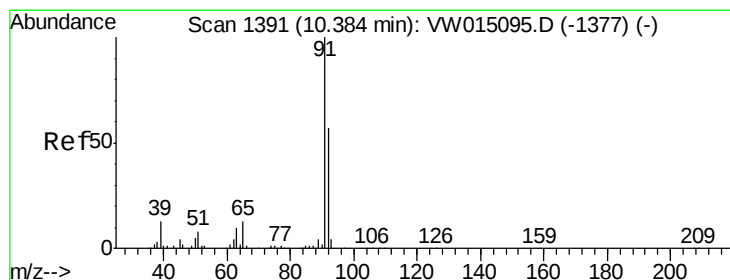
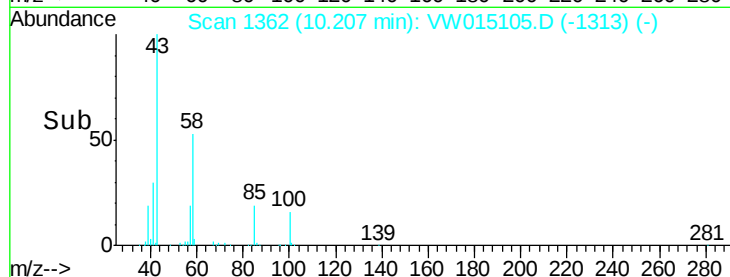
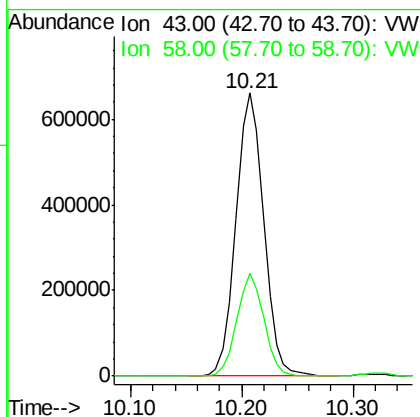
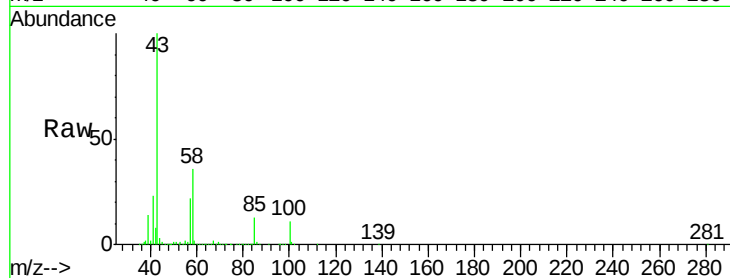
#51
4-Methyl-2-Pentanone
Concen: 236.239 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1142729
Ion Ratio Lower Upper
43 100
58 35.2 28.0 42.0

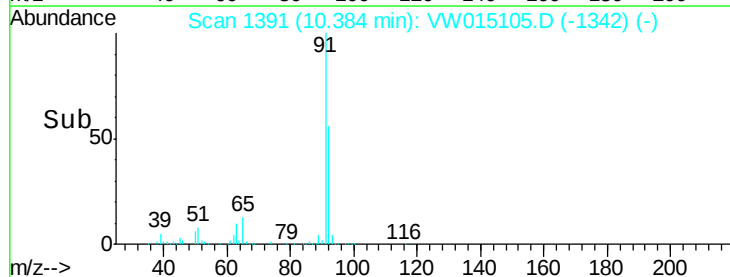
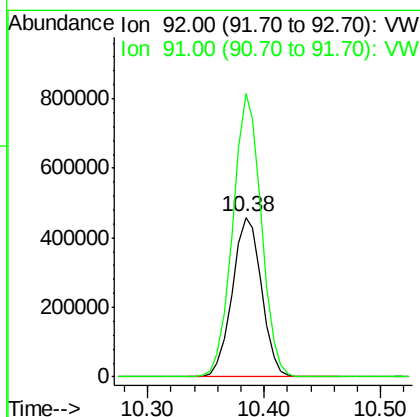
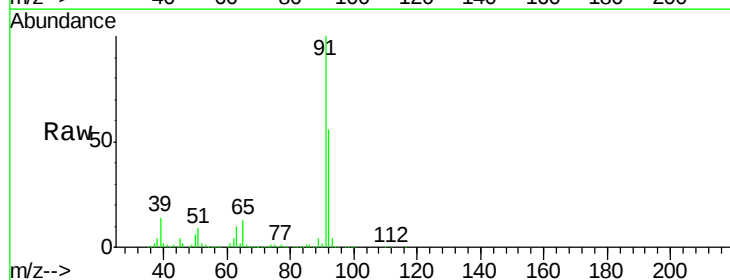
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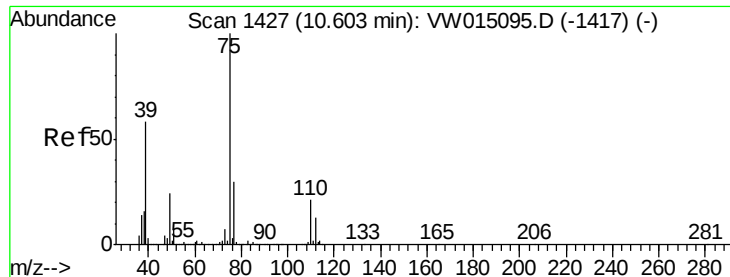
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#52
Toluene
Concen: 51.061 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion: 92 Resp: 798969
Ion Ratio Lower Upper
92 100
91 173.9 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 50.804 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 425610

Ion Ratio Lower Upper

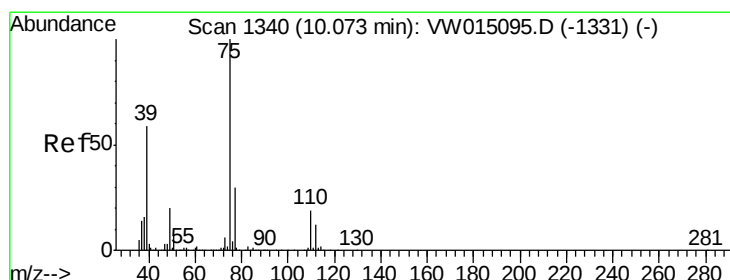
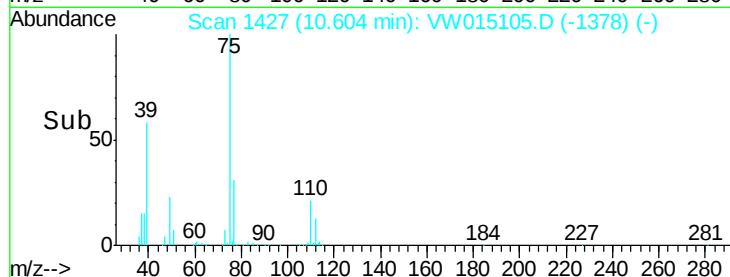
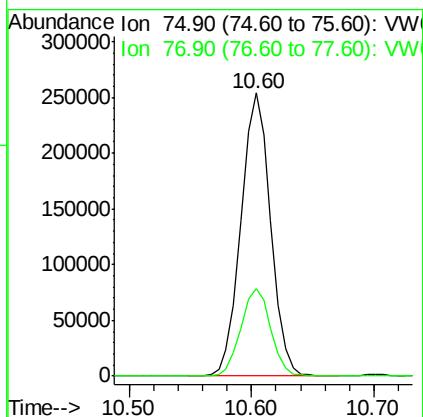
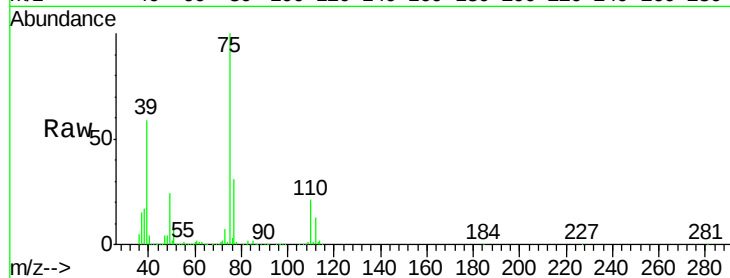
75 100

77 31.1 24.4 36.6

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#54

cis-1,3-Dichloropropene

Concen: 51.183 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

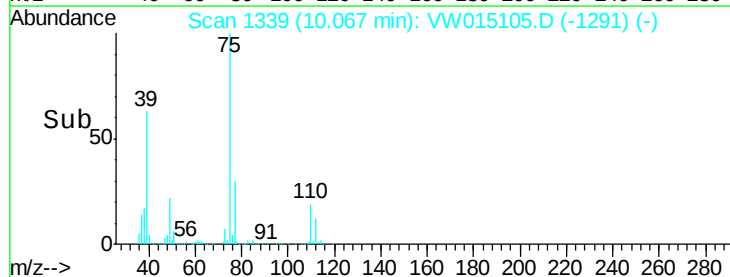
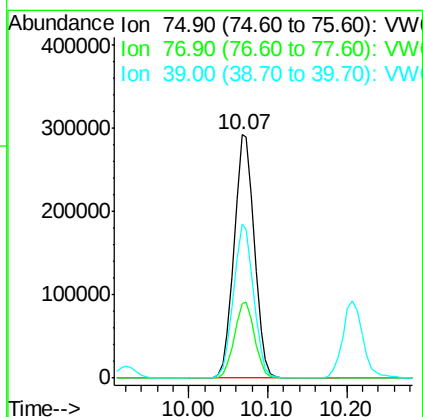
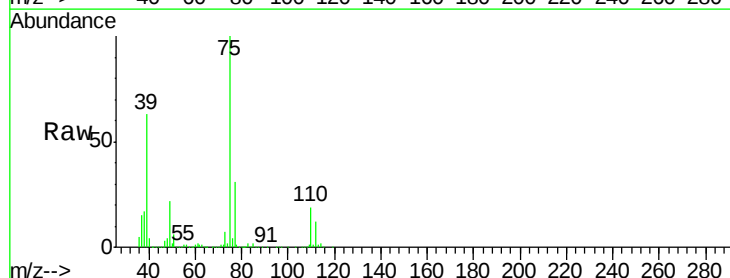
Tgt Ion: 75 Resp: 522335

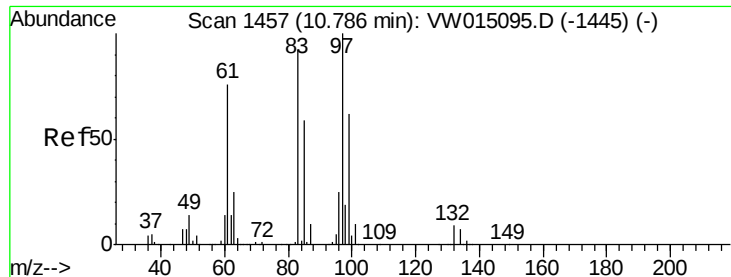
Ion Ratio Lower Upper

75 100

77 30.5 24.3 36.5

39 63.0 47.0 70.6





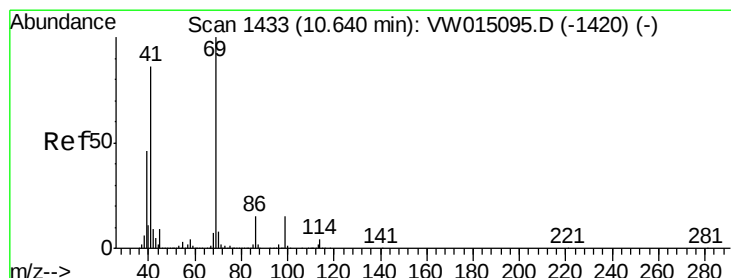
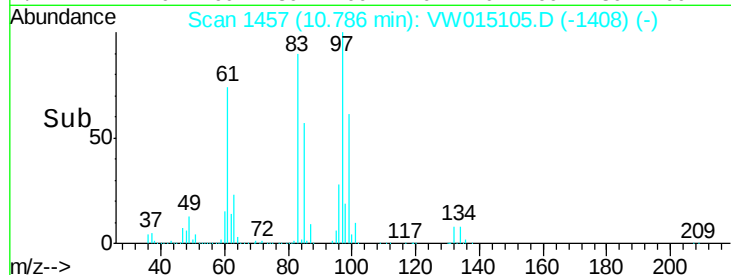
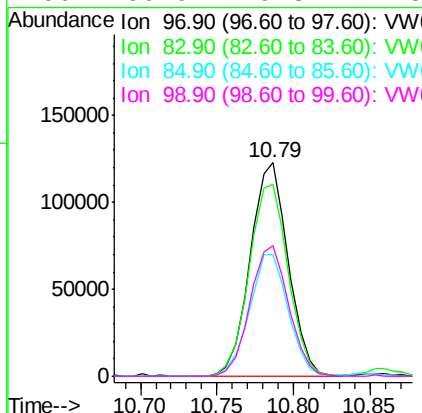
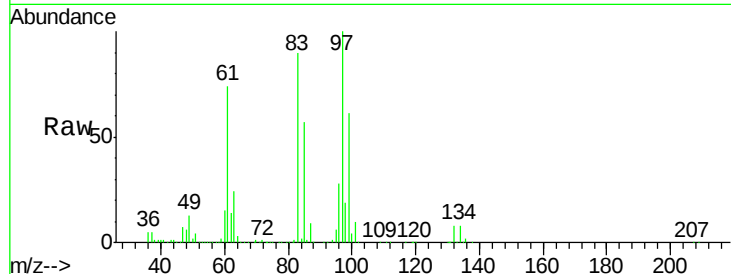
#55
 1,1,2-Trichloroethane
 Concen: 48.608 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	212440
Ion	Ratio	Lower	Upper
97	100		
83	90.0	74.0	111.0
85	56.8	46.9	70.3
99	60.9	49.8	74.8

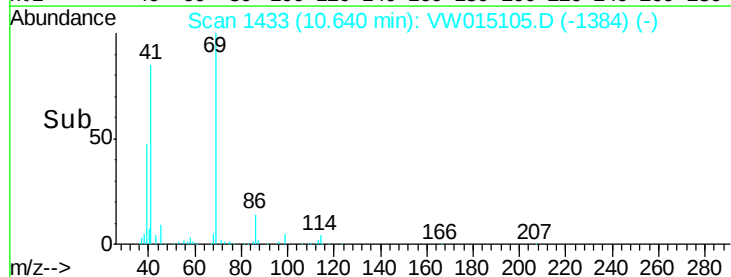
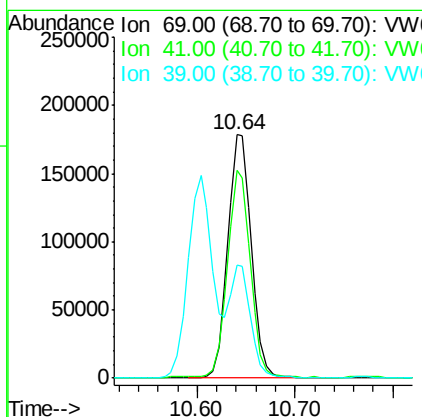
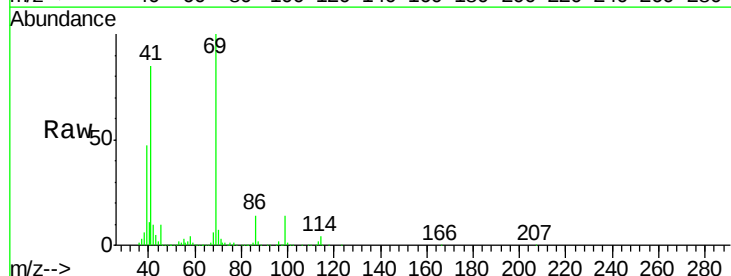
Manual Integrations
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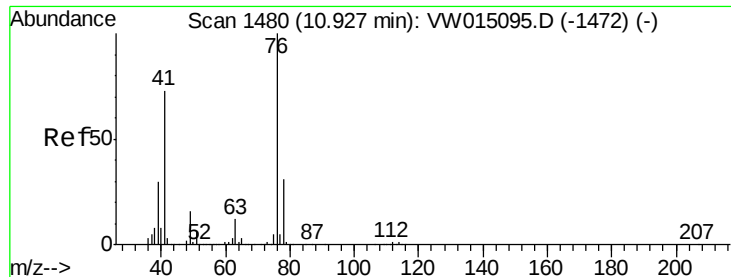
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 3/11/2020 3:24:20 PM



#56
 Ethyl methacrylate
 Concen: 47.344 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Tgt Ion:	69	Resp:	297651
Ion	Ratio	Lower	Upper
69	100		
41	82.1	65.8	98.6
39	39.6	31.2	46.8





#57

1,3-Dichloropropane

Concen: 50.135 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 417154

Ion Ratio Lower Upper

76 100

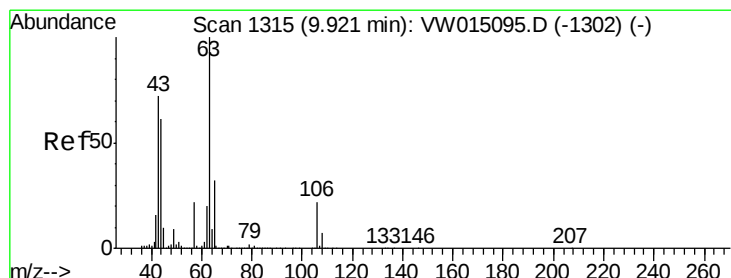
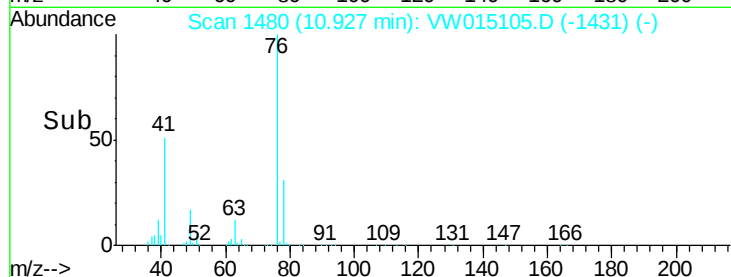
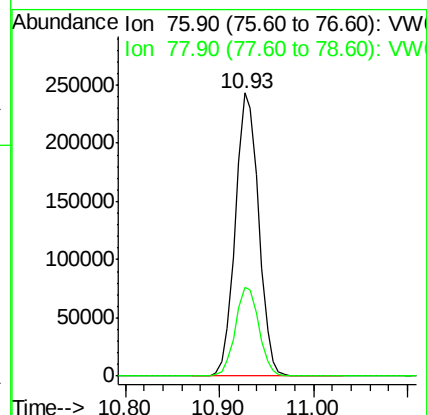
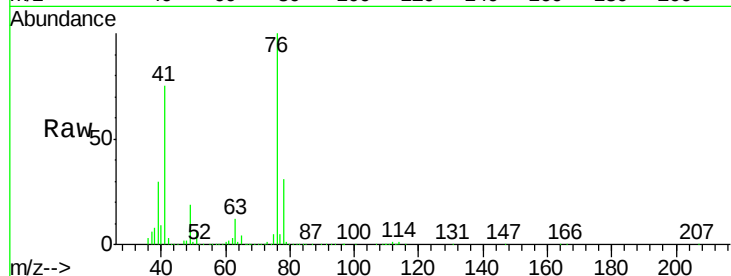
78 31.8 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 267.394 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW015105.D

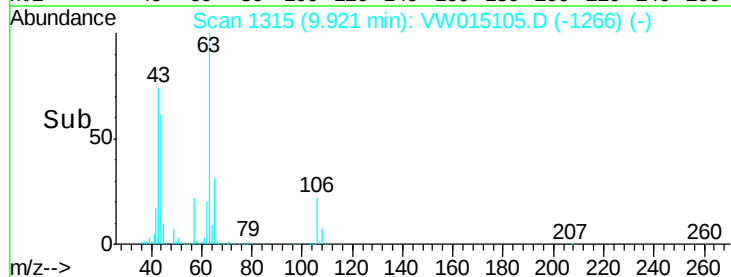
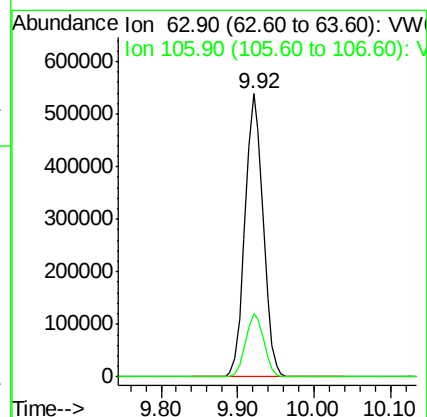
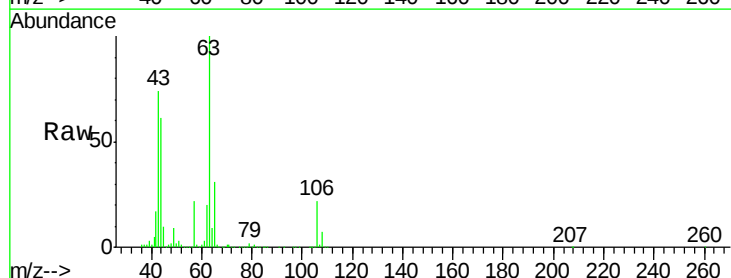
Acq: 09 Mar 2020 18:41

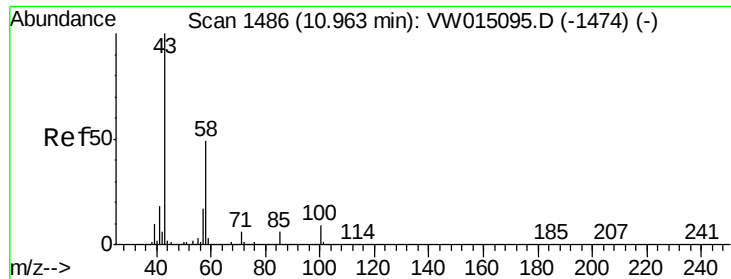
Tgt Ion: 63 Resp: 884762

Ion Ratio Lower Upper

63 100

106 22.5 18.0 27.0





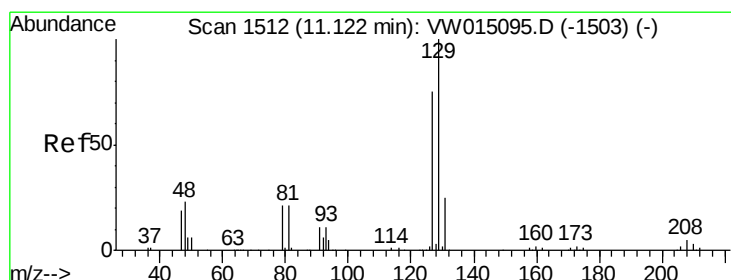
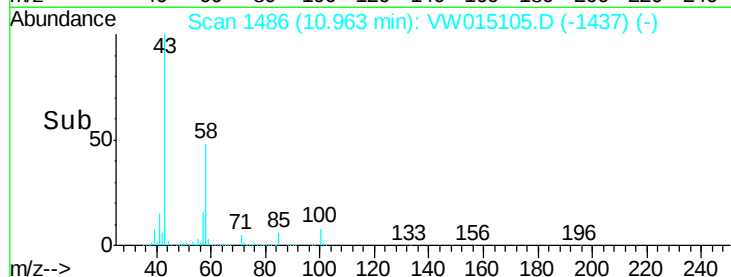
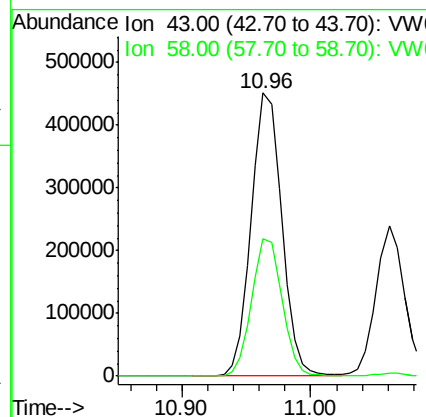
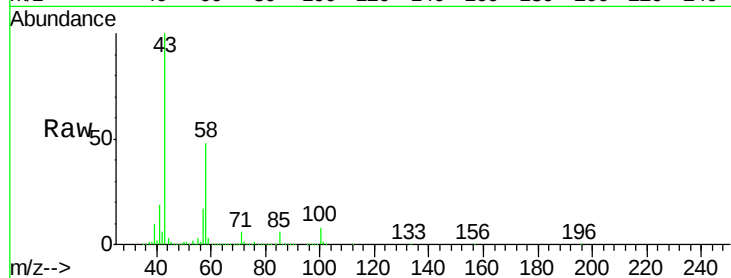
#59
2-Hexanone
Concen: 222.747 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 739896
Ion Ratio Lower Upper
43 100
58 48.6 24.6 73.8

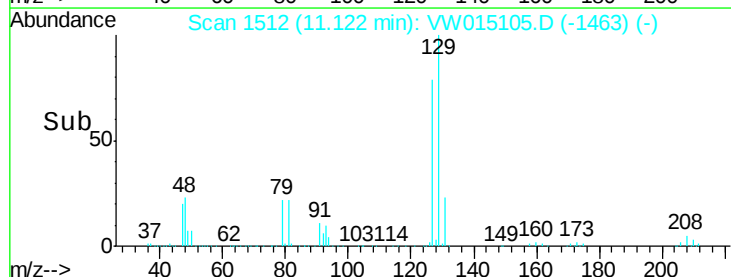
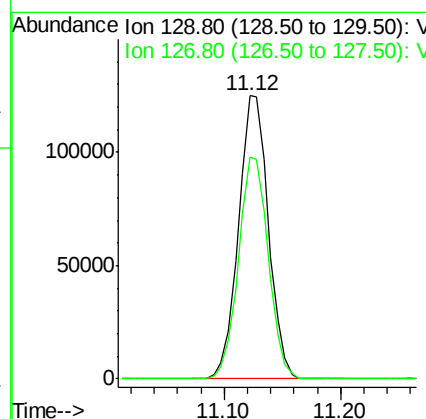
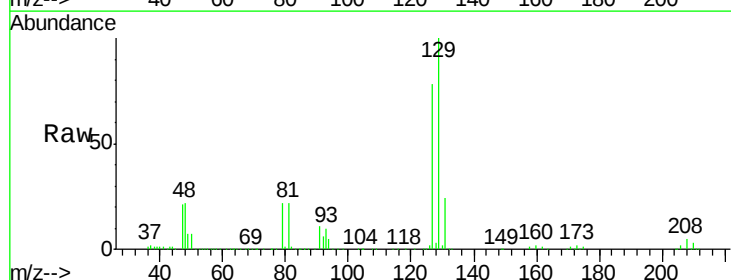
Manual Integrations
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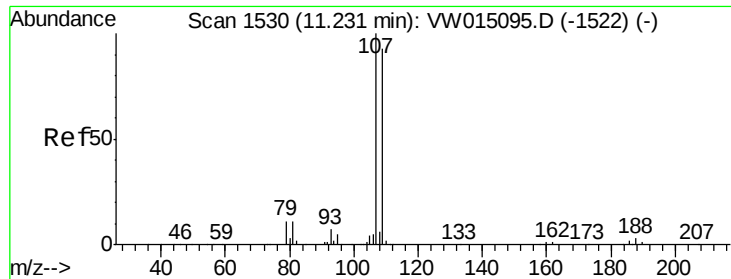
MMDadoda
3/11/2020 3:24:20 PM



#60
Dibromochloromethane
Concen: 49.489 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion:129 Resp: 223386
Ion Ratio Lower Upper
129 100
127 78.4 38.7 116.1





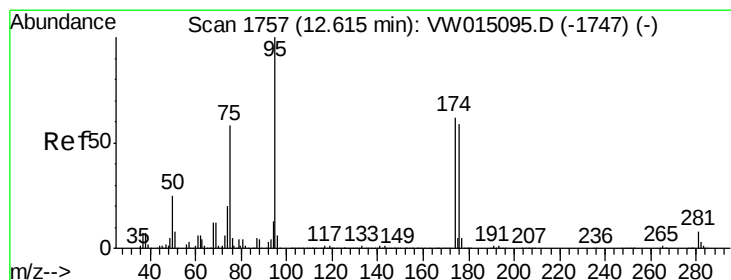
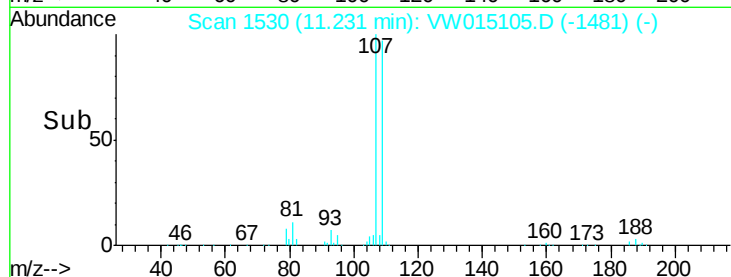
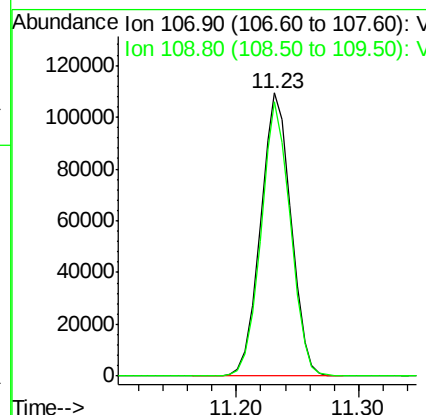
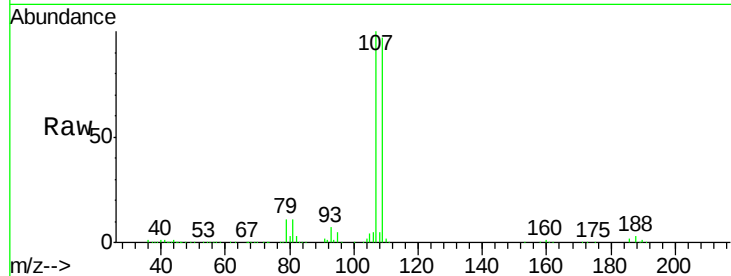
#61
 1,2-Dibromoethane
 Concen: 48.879 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

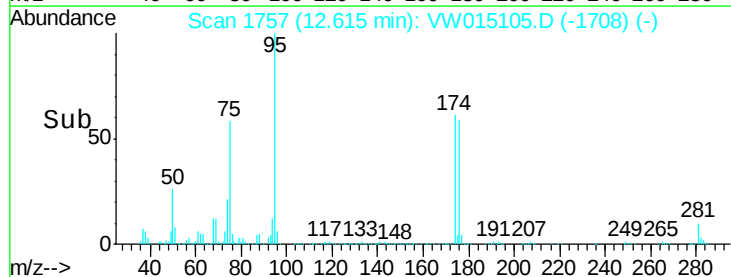
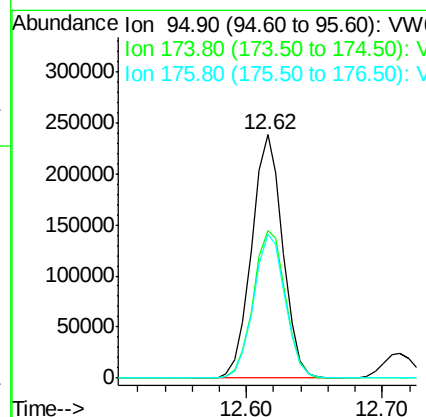
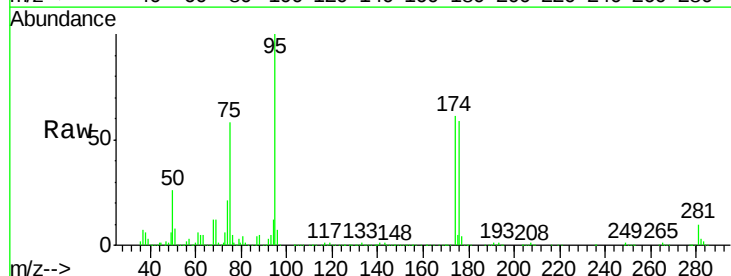
Manual Integrations
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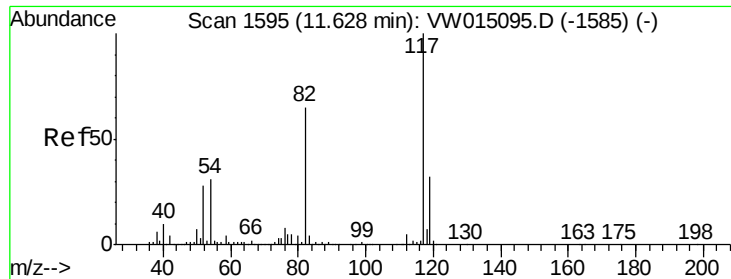
MMDadoda
 3/11/2020 3:24:20 PM



#62
 4-Bromofluorobenzene
 Concen: 54.106 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.1	0.0	126.8
176	60.1	0.0	121.6





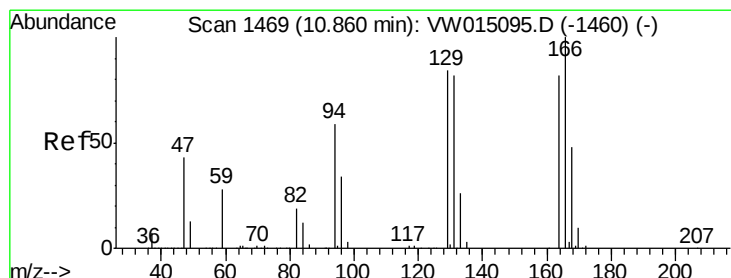
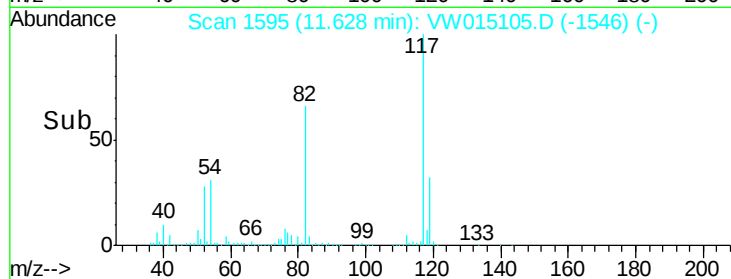
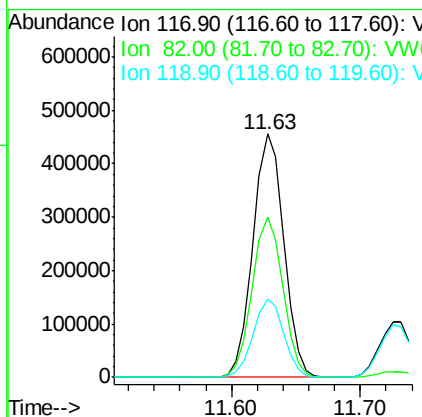
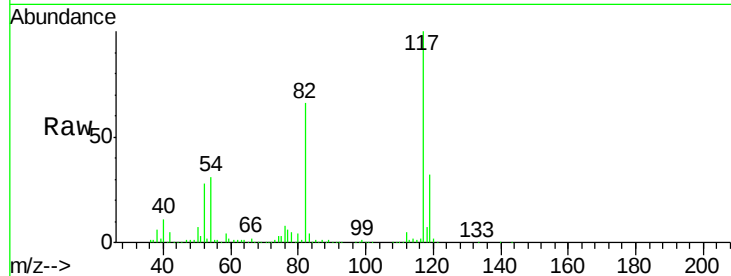
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.1	52.2	78.2
119	32.2	25.4	38.0

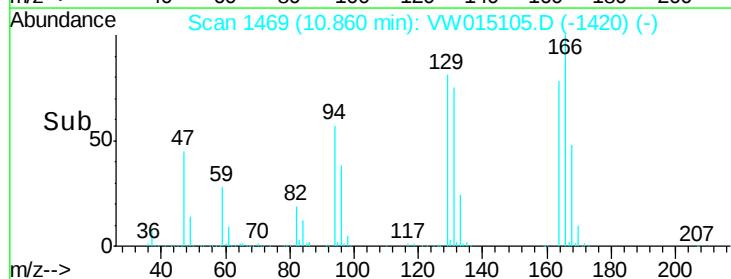
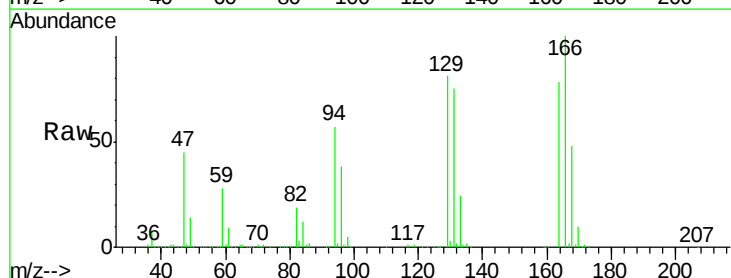
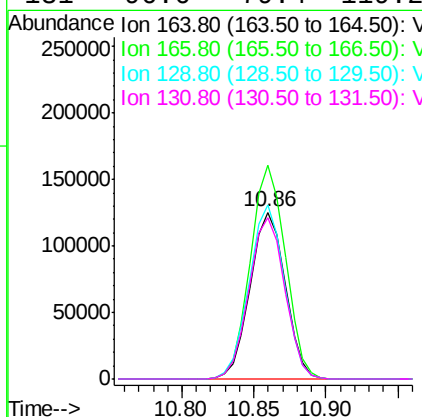
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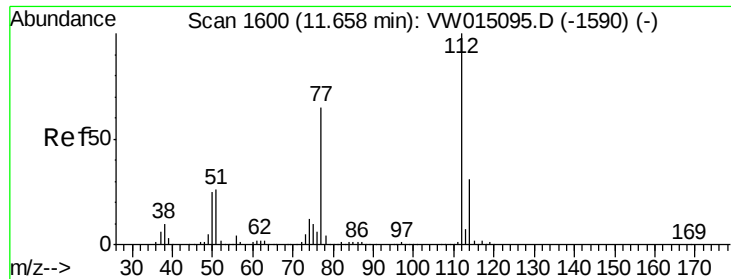
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#64
Tetrachloroethene
Concen: 48.709 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	97.0	145.6
129	104.1	81.2	121.8
131	96.6	79.4	119.2





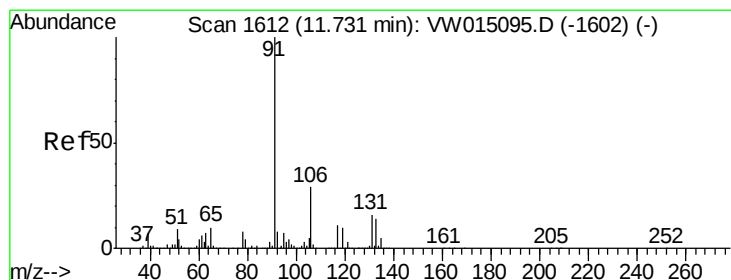
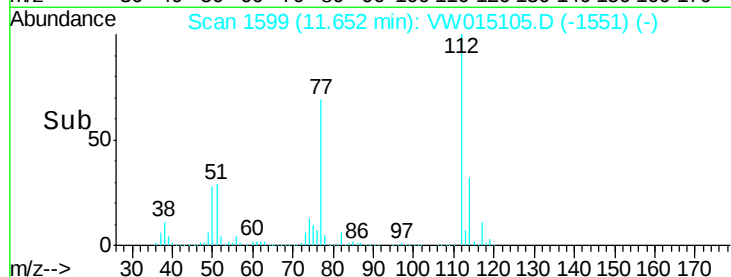
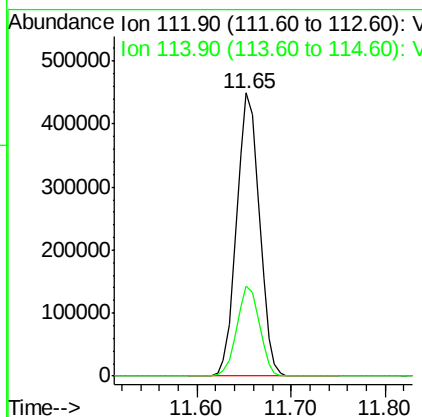
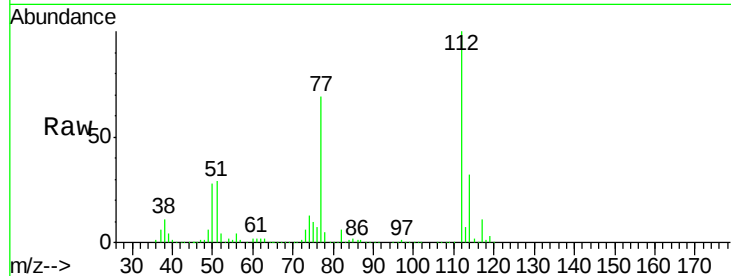
#65
Chlorobenzene
Concen: 50.071 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	756115		
114	31.8	25.0	37.6	

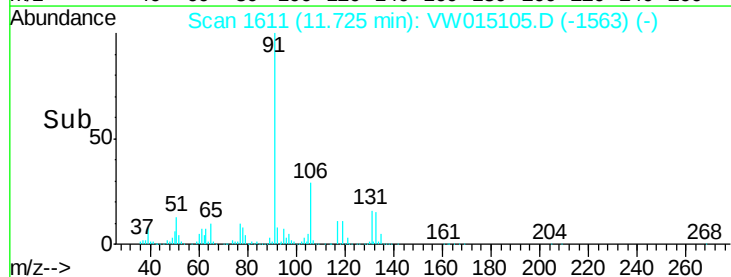
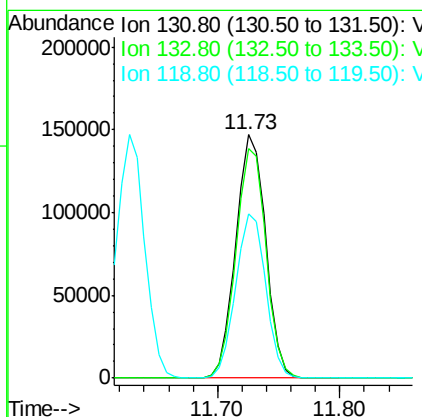
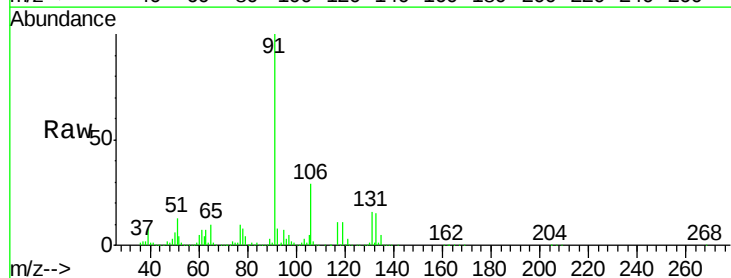
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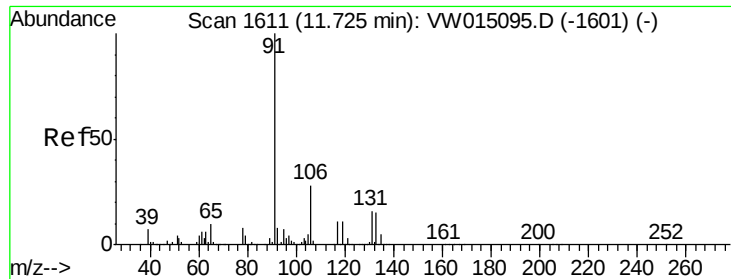
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.451 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	248673		
133	95.0	47.3	141.8	
119	67.8	34.0	101.8	





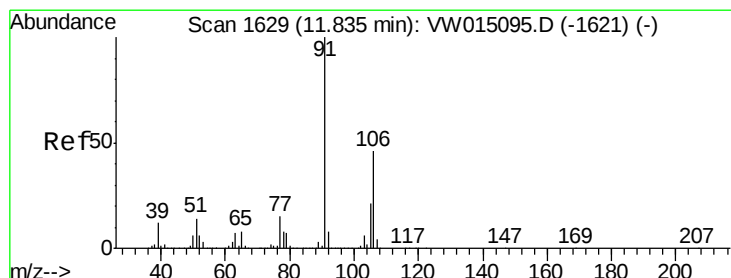
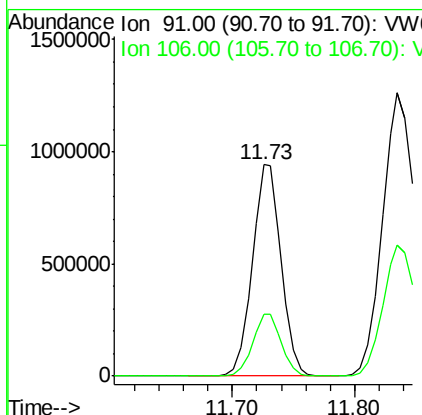
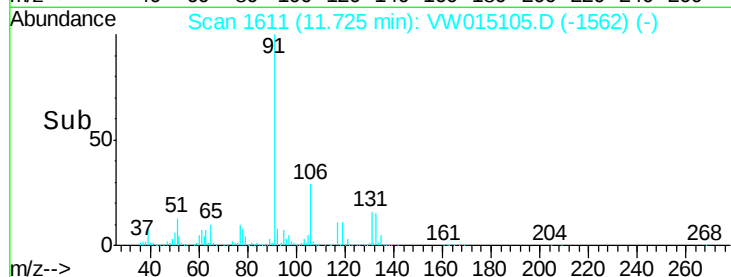
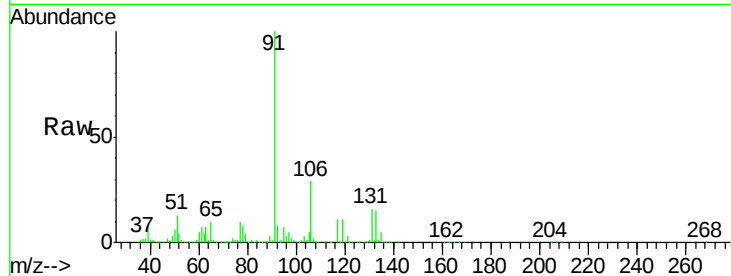
#67
Ethyl Benzene
Concen: 52.166 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1532909
Ion Ratio Lower Upper
91 100
106 29.4 22.8 34.2

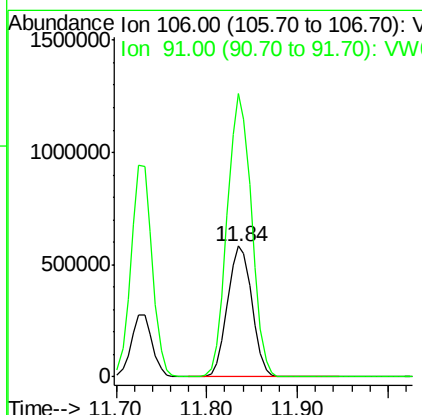
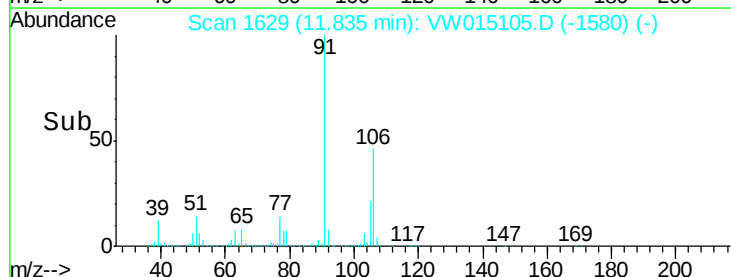
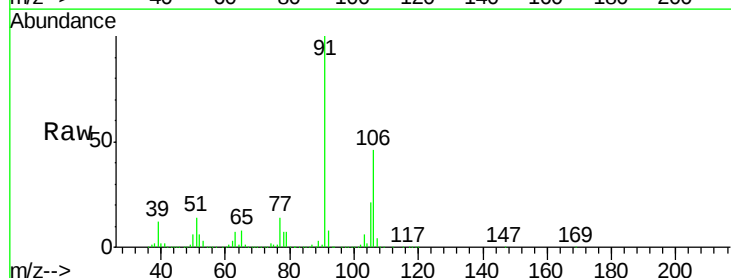
Manual Integrations
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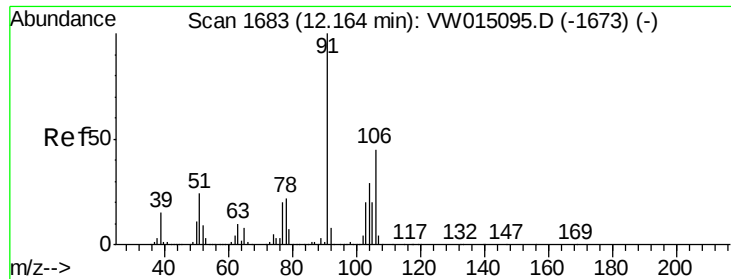
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#68
m/p-Xylenes
Concen: 104.665 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion: 106 Resp: 1087284
Ion Ratio Lower Upper
106 100
91 215.6 172.3 258.5





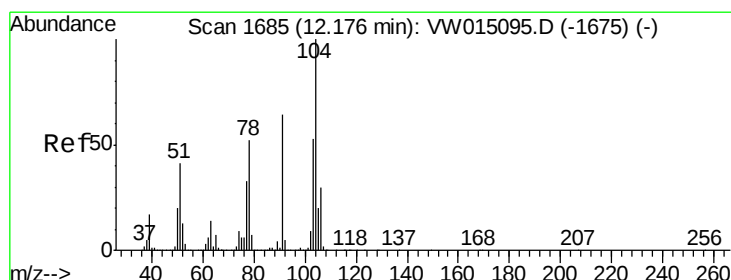
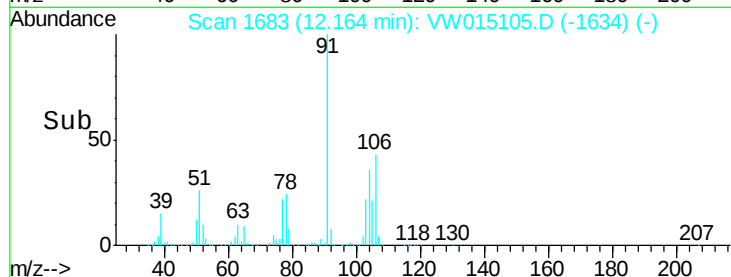
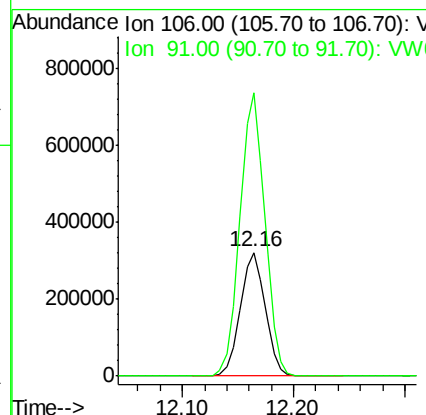
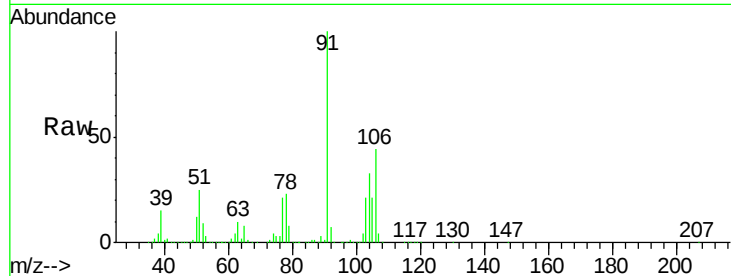
#69
o-Xylene
Concen: 53.092 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		496828		
91	229.4	112.6	337.8		

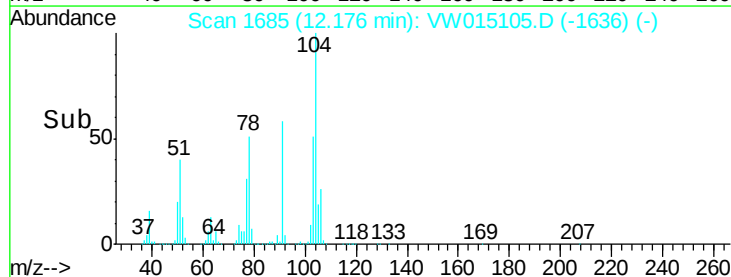
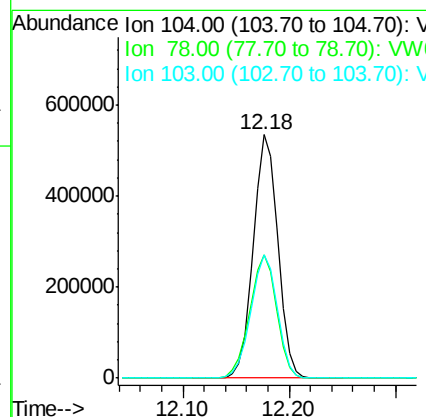
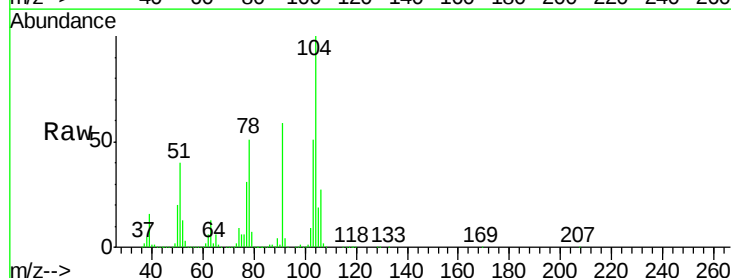
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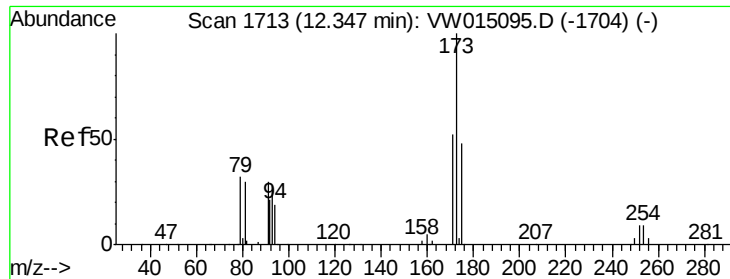
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#70
Styrene
Concen: 54.241 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		869719		
78	55.7	44.7	67.1		
103	54.7	44.7	67.1		





#71

Bromoform

Concen: 48.181 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 107524

Ion Ratio Lower Upper

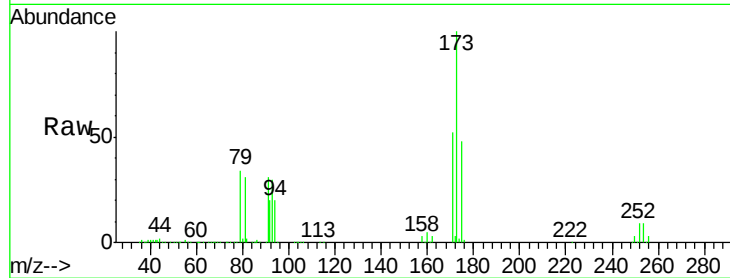
173 100

175 48.2 23.8 71.4

254 0.0 0.1 0.1#

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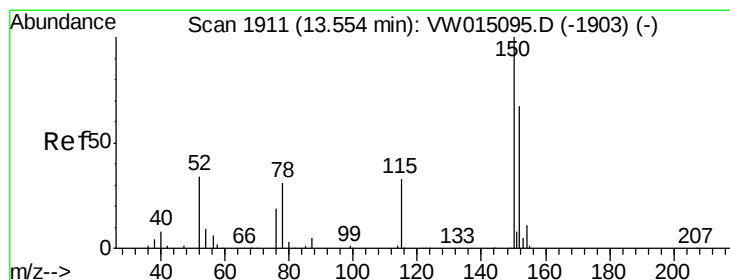
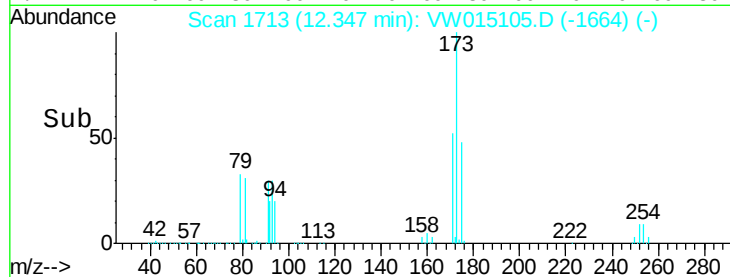
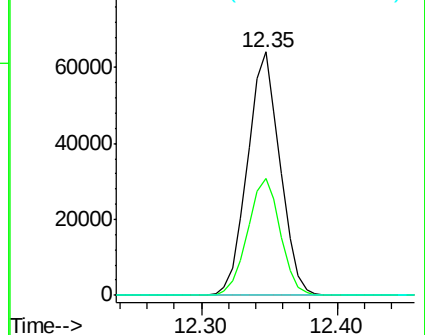
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

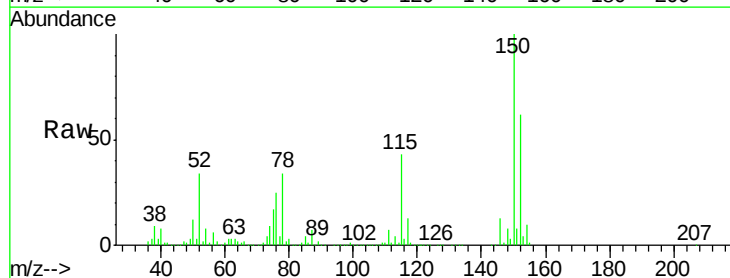
Tgt Ion:152 Resp: 336944

Ion Ratio Lower Upper

152 100

115 66.1 33.3 99.9

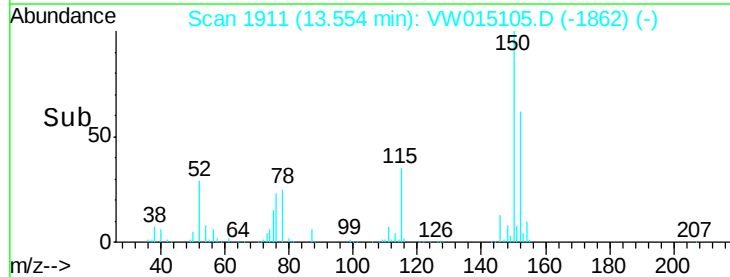
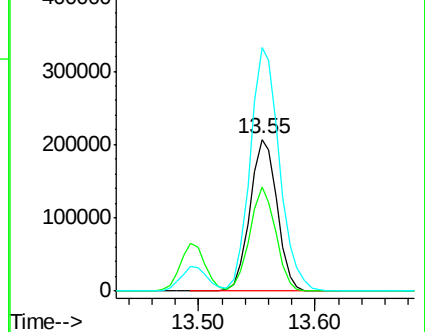
150 172.8 0.0 351.2

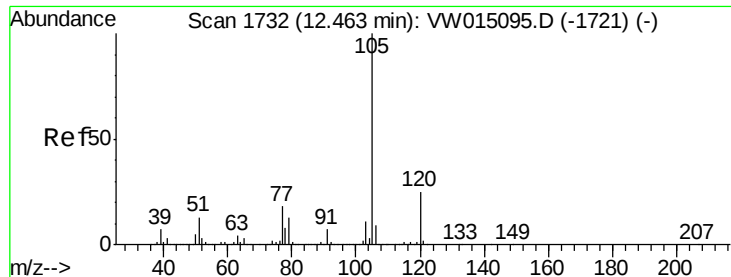


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.776 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1384109

Ion Ratio Lower Upper

105 100

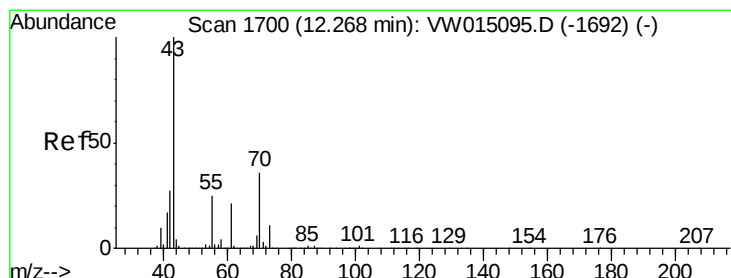
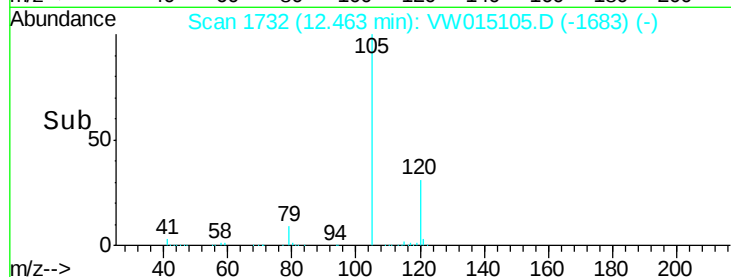
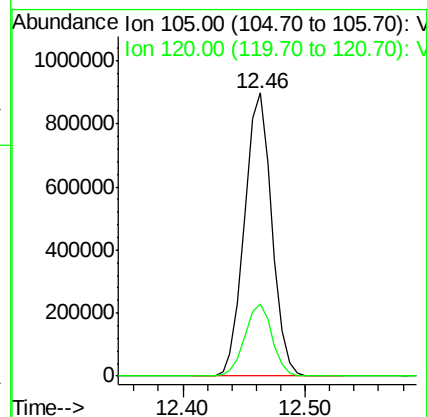
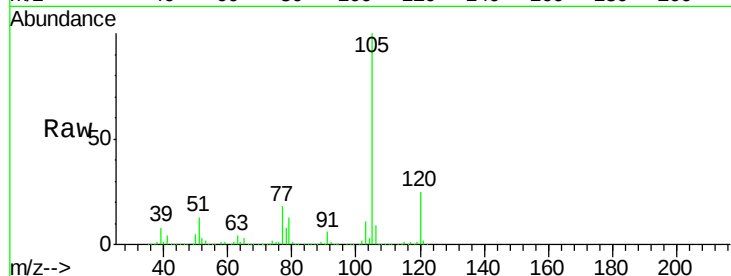
120 25.3 12.6 37.8

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#74

N-ethyl acetate

Concen: 46.813 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Tgt Ion: 43 Resp: 397643

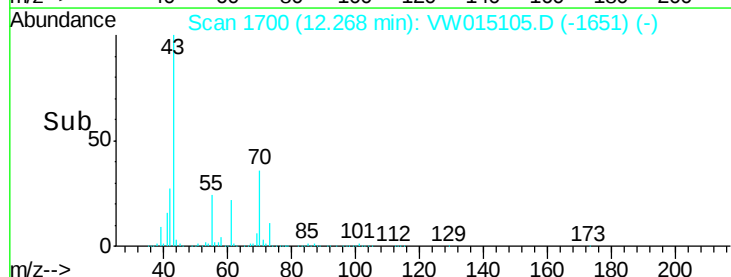
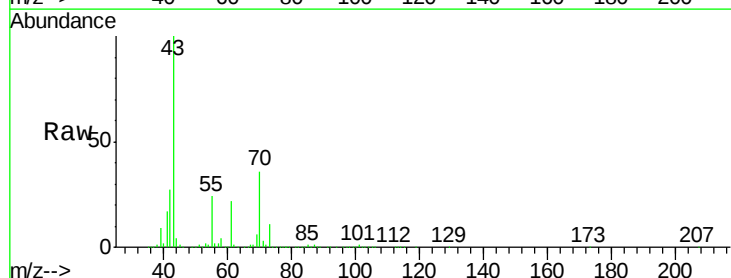
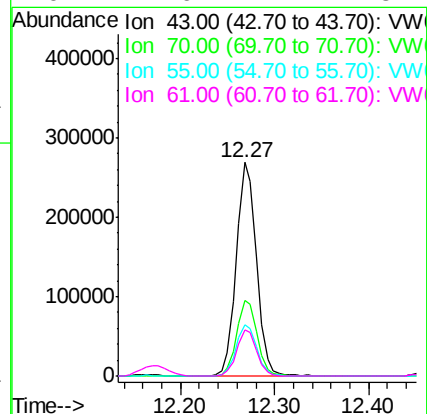
Ion Ratio Lower Upper

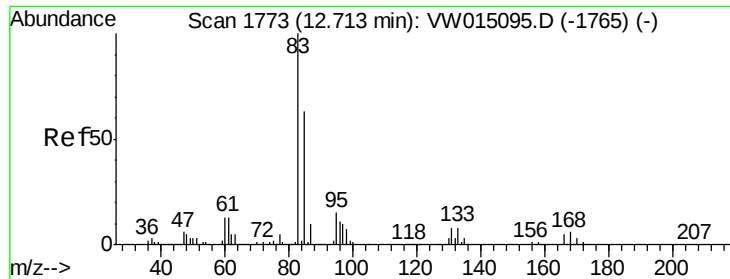
43 100

70 36.2 29.4 44.2

55 24.6 20.3 30.5

61 21.6 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.915 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

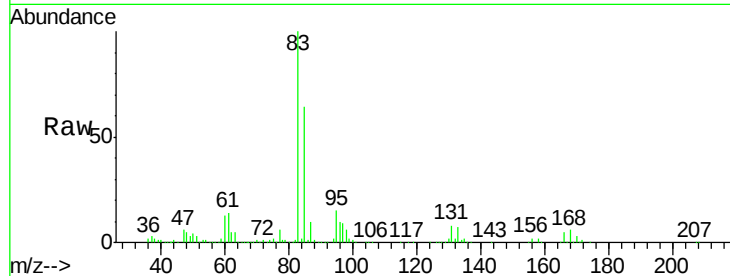
ClientSampleId :

VSTDCCC050EC

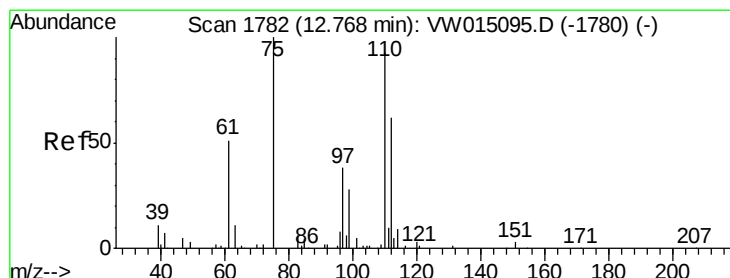
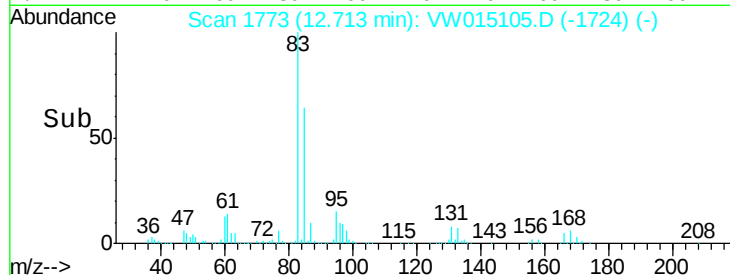
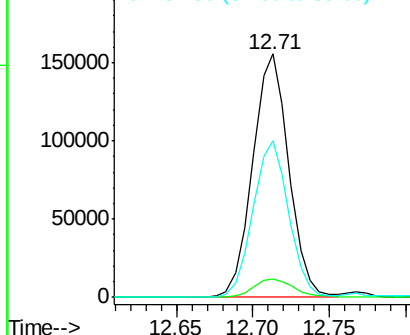
Tot Ion:	83	Resp:	255655
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.3	13.1
85	63.4	31.5	94.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 52.576 ug/l m

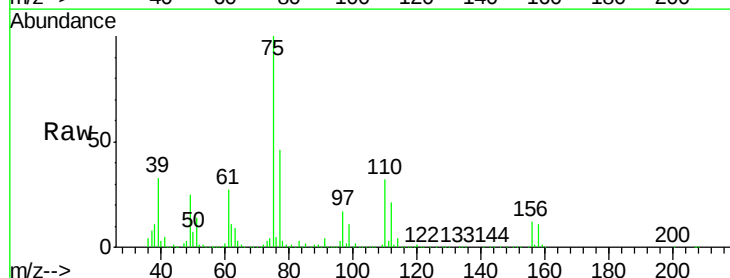
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

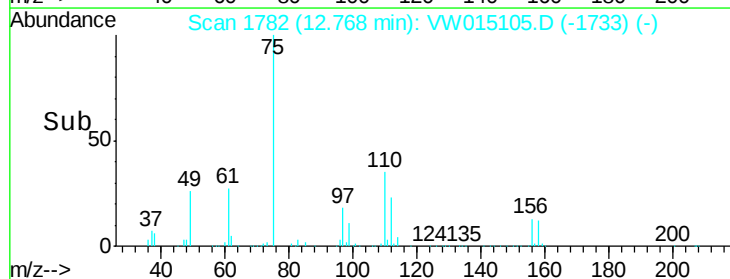
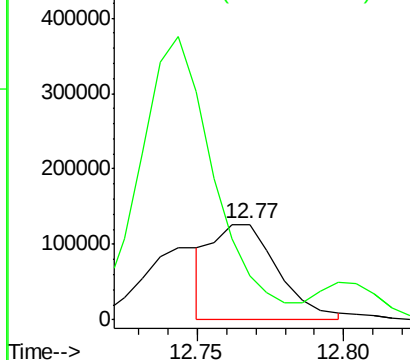
Lab File: VW015105.D

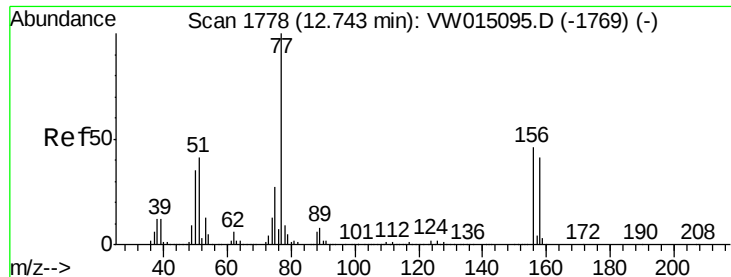
Acq: 09 Mar 2020 18:41

Tgt Ion:	75	Resp:	200217
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.462 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

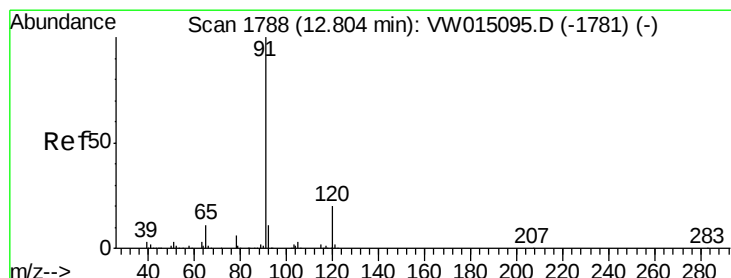
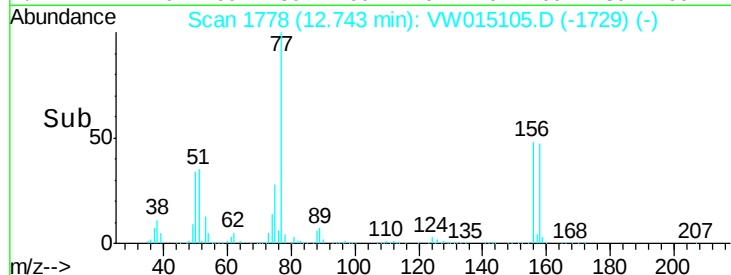
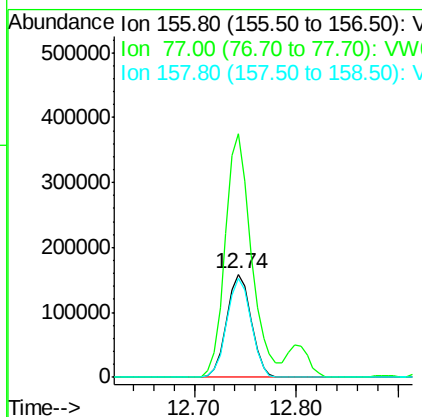
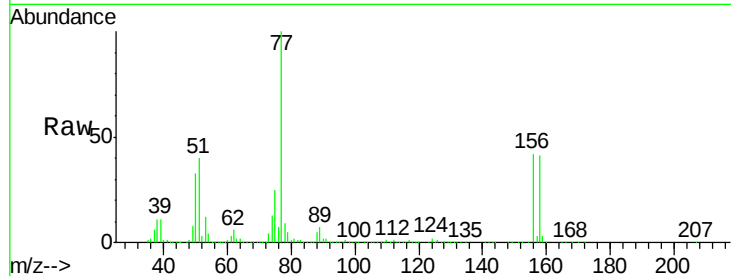
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
261802	156	100		
	77	255.9	126.6	379.8
	158	95.8	47.4	142.2

Manual Integrations
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#78

n-propylbenzene

Concen: 54.185 ug/l

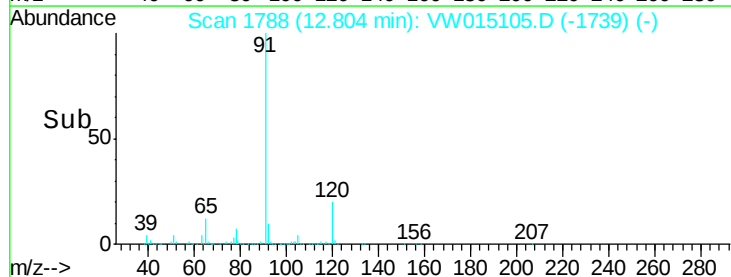
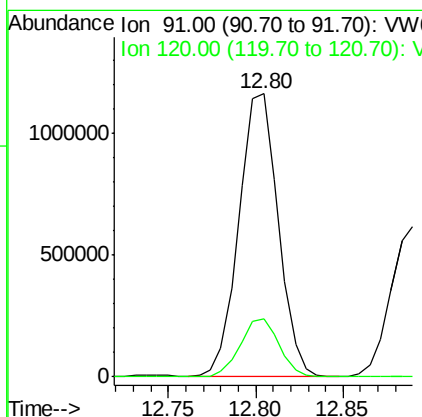
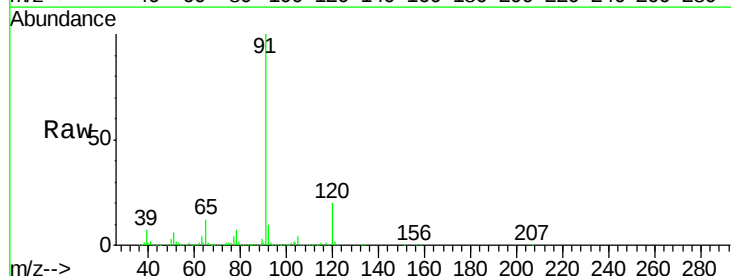
RT: 12.80 min Scan# 1788

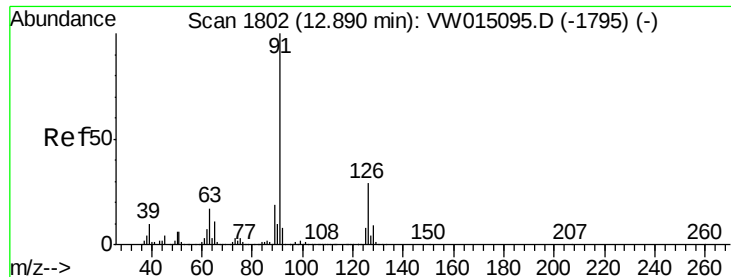
Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Tgt Ion	Ion	Ratio	Lower	Upper
1812489	91	100		
	120	20.2	10.2	30.4





#79

2-Chlorotoluene

Concen: 53.053 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 997748

Ion Ratio Lower Upper

91 100

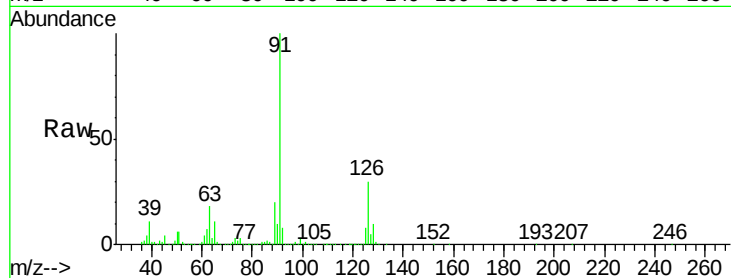
126 29.7 14.5 43.6

Manual Integrations

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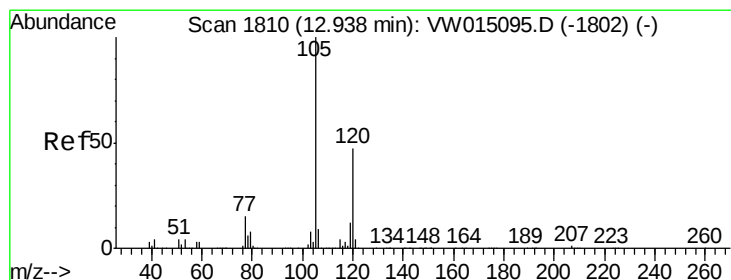
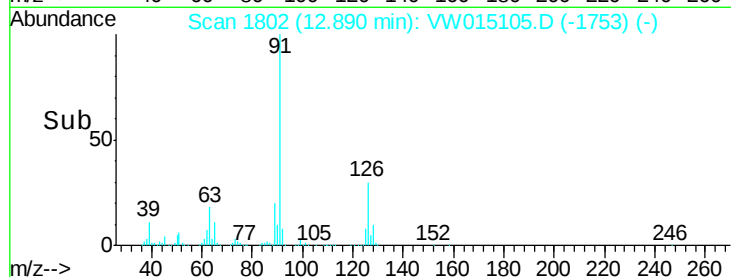
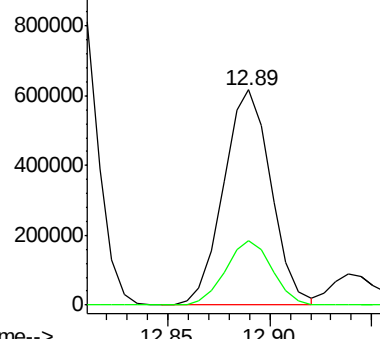
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.363 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW015105.D

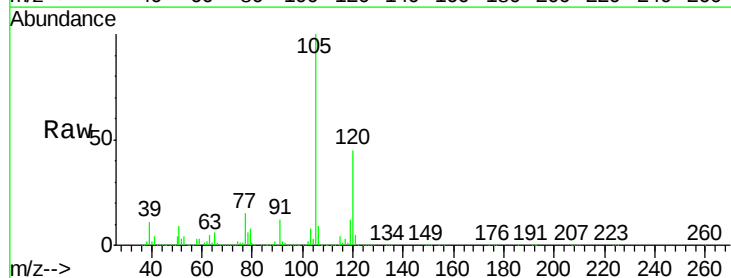
Acq: 09 Mar 2020 18:41

Tgt Ion: 105 Resp: 1180955

Ion Ratio Lower Upper

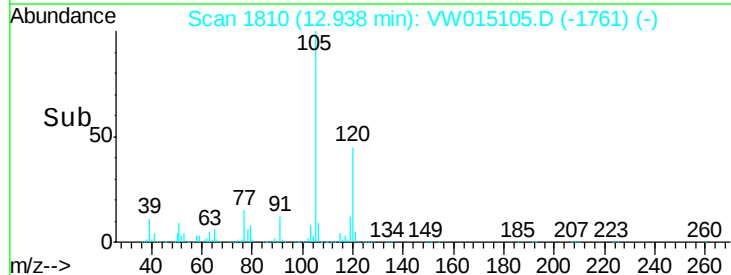
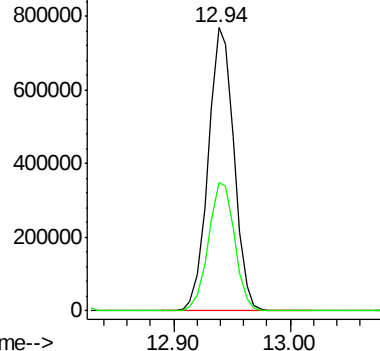
105 100

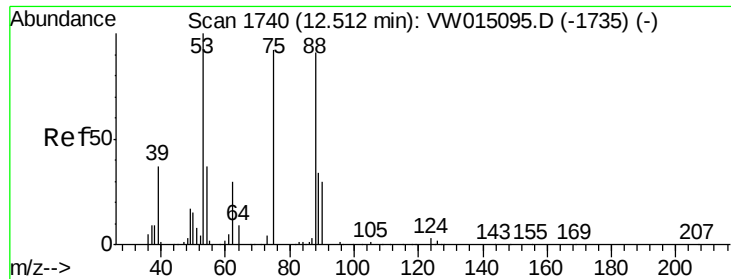
120 46.3 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





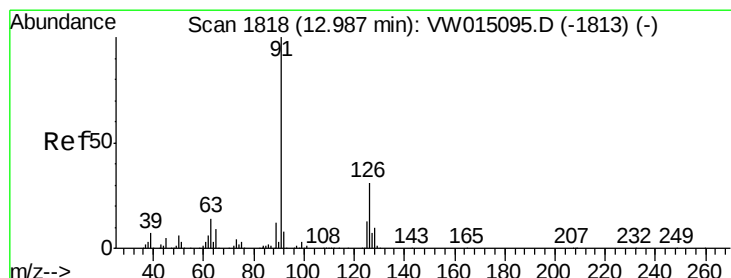
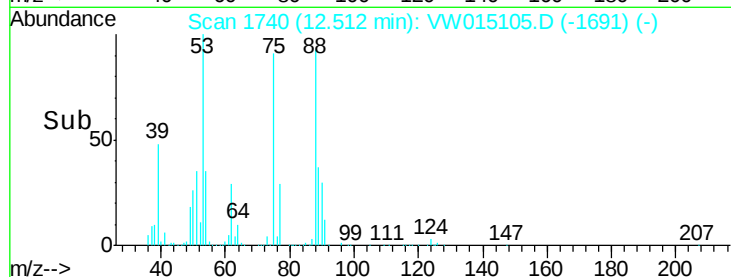
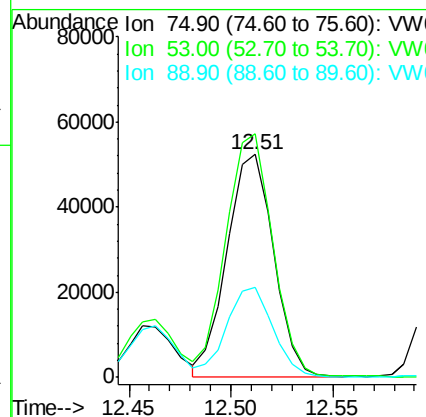
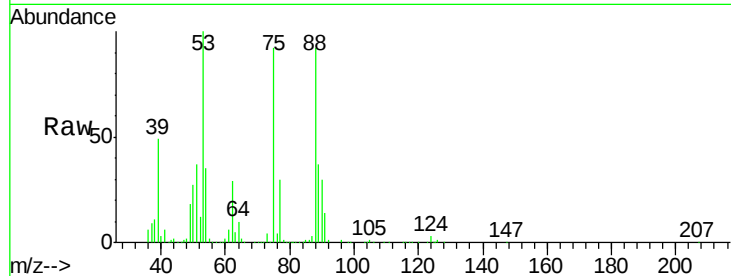
#81
trans-1,4-Dichloro-2-butene
Concen: 49.044 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.8	88.4	132.6
89	40.5	33.1	49.7

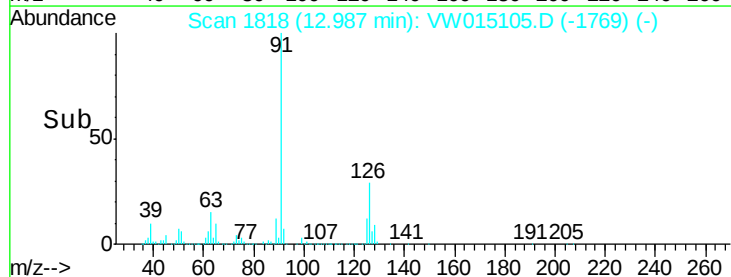
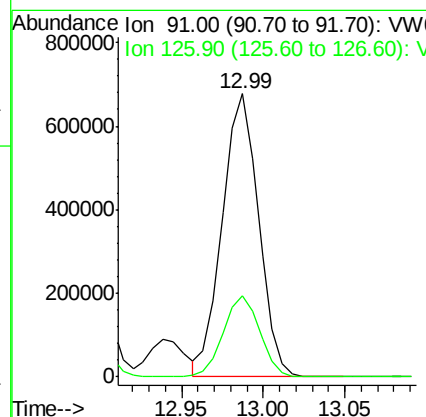
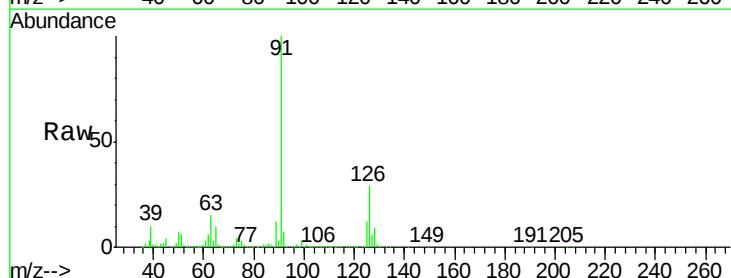
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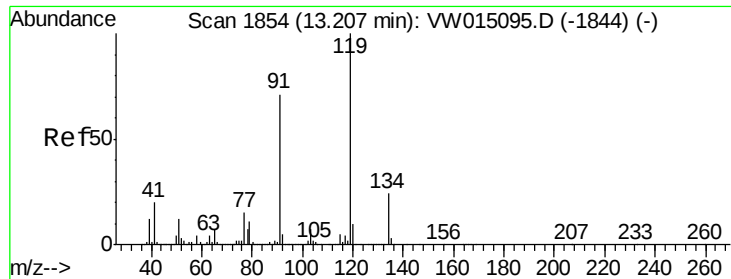
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#82
4-Chlorotoluene
Concen: 52.502 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.8	44.4





#83

tert-Butylbenzene

Concen: 52.371 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

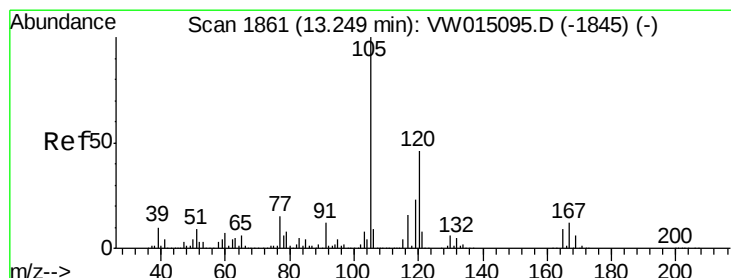
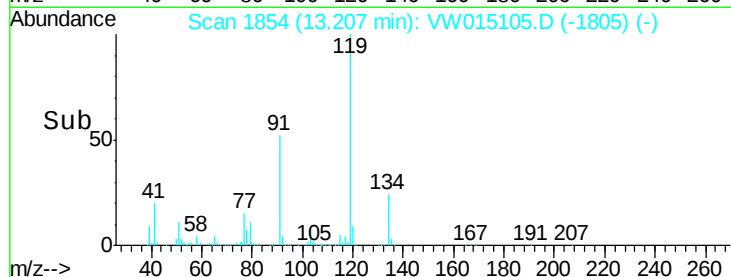
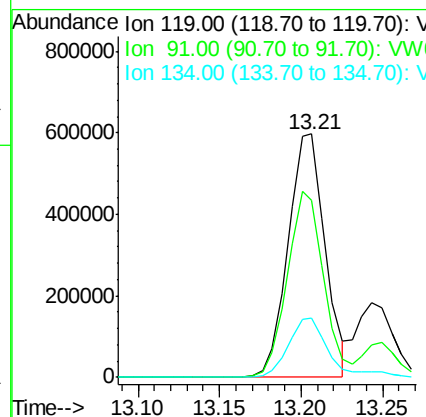
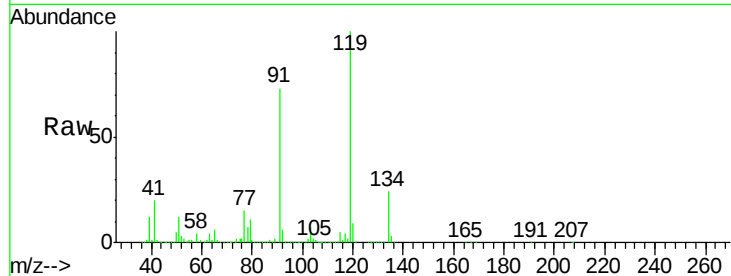
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.2	35.7	107.1
134	26.7	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 53.944 ug/l

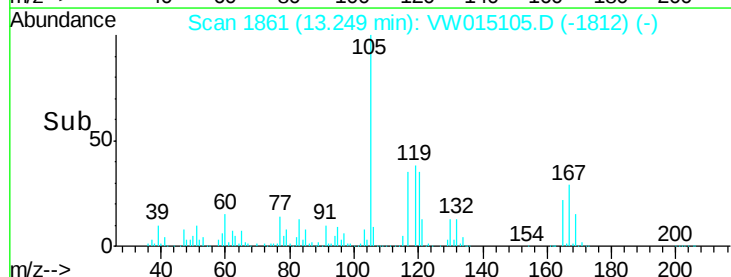
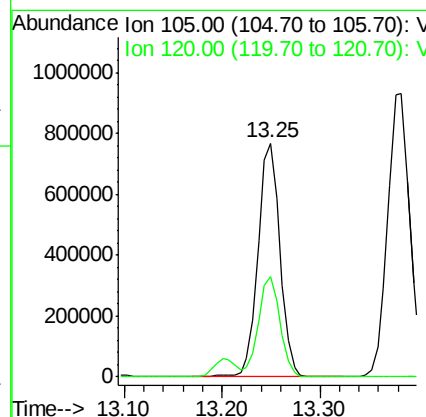
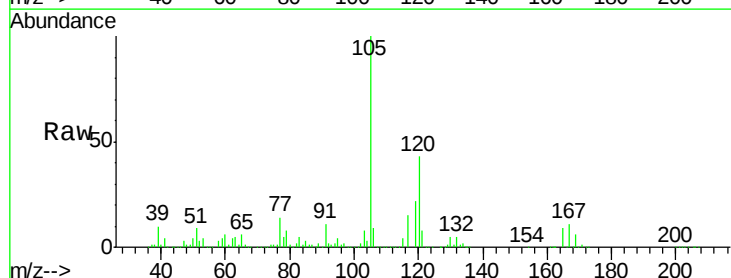
RT: 13.25 min Scan# 1861

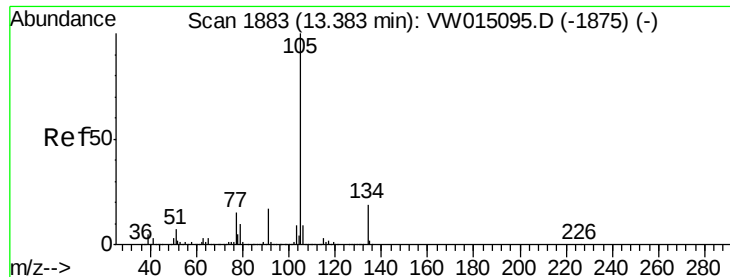
Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	22.1	66.3





#85

sec-Butylbenzene

Concen: 53.681 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1456541

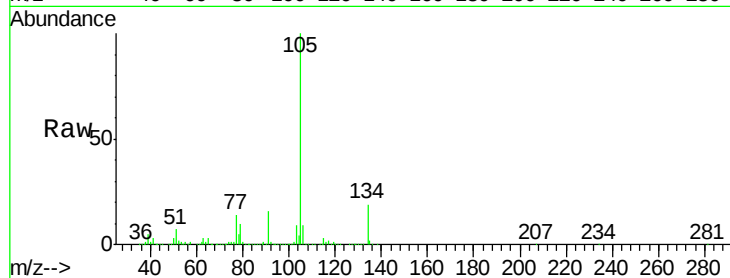
Ion Ratio Lower Upper

105 100

134 18.2 9.0 27.1

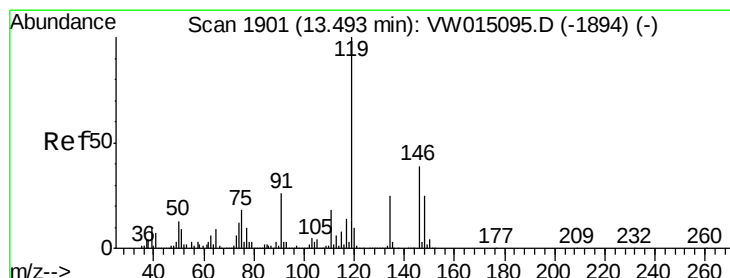
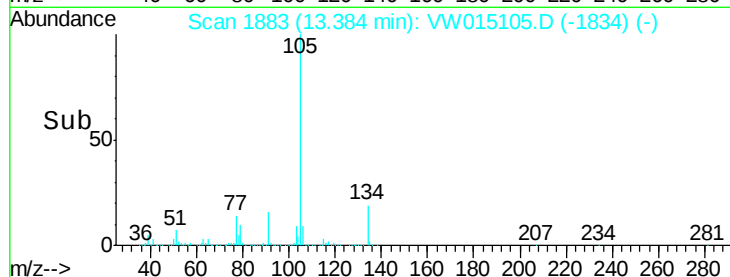
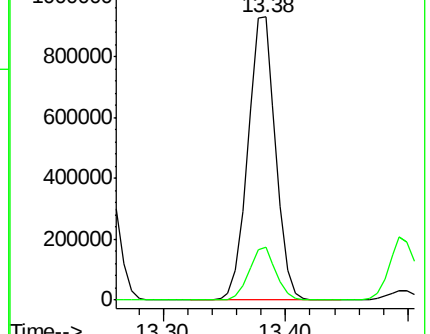
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.737 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

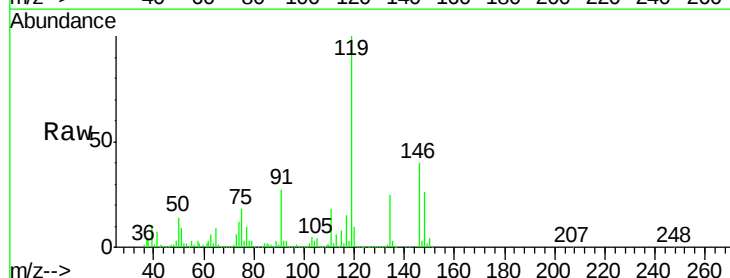
Tgt Ion:119 Resp: 1253303

Ion Ratio Lower Upper

119 100

134 24.6 12.6 37.8

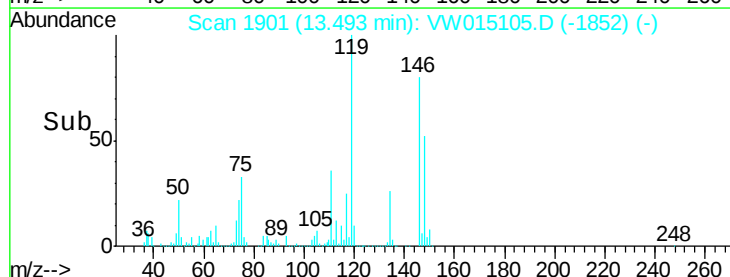
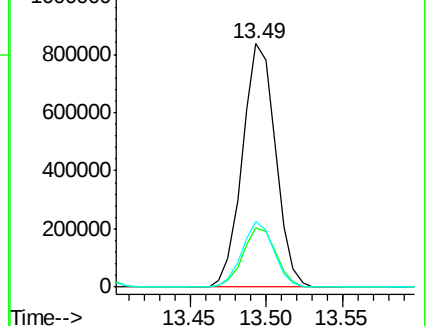
91 26.0 12.9 38.6

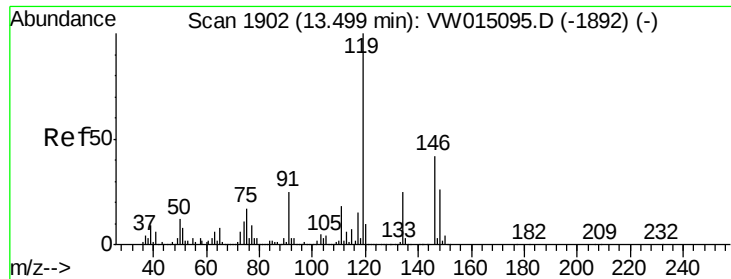


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.494 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Instrument :

MSVOA_W

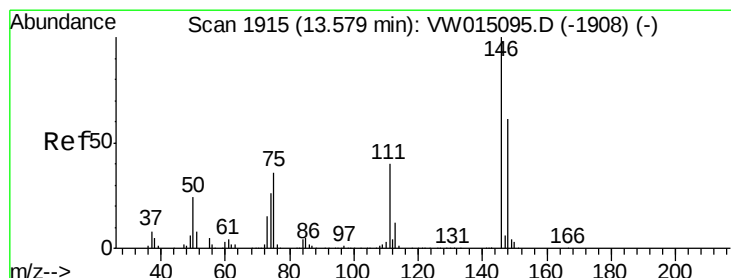
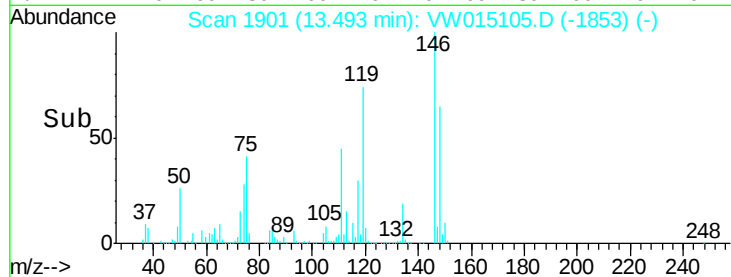
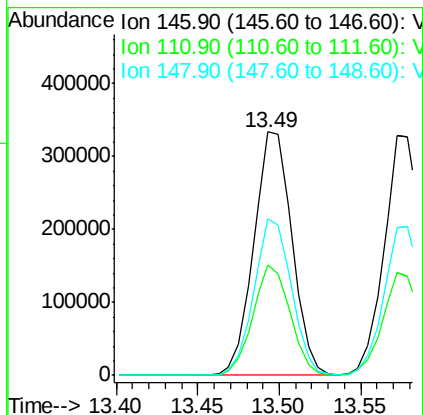
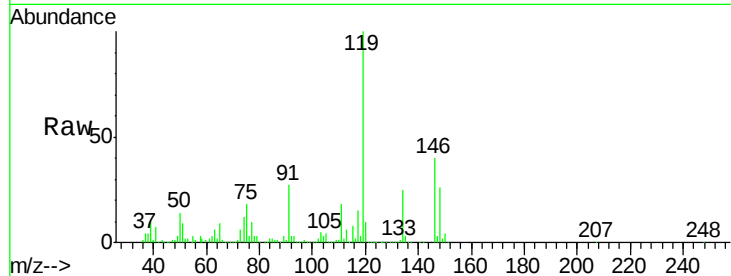
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	544273
Ion Ratio	Lower	Upper	
146	100		
111	44.0	22.5	67.5
148	62.9	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 49.827 ug/l

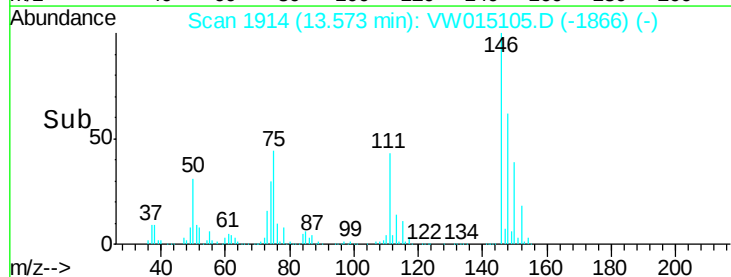
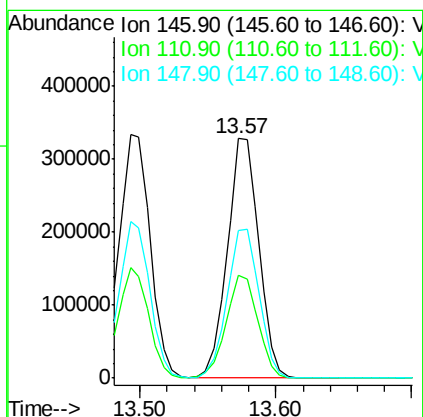
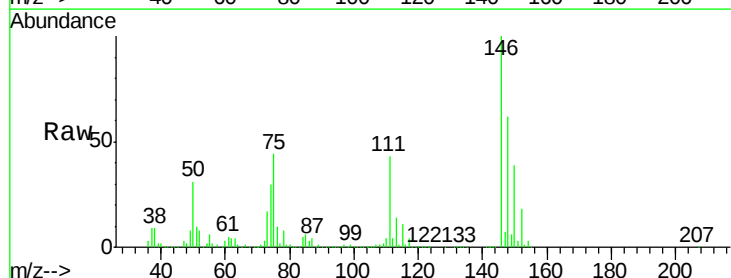
RT: 13.57 min Scan# 1914

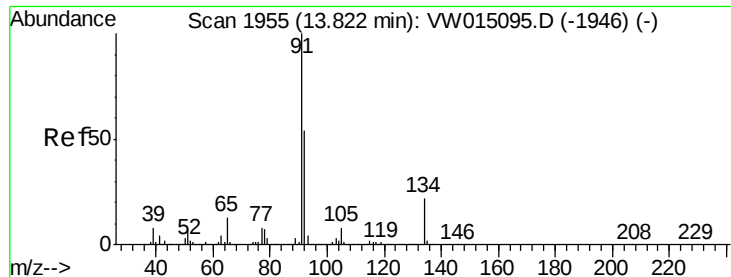
Delta R.T. -0.01 min

Lab File: VW015105.D

Acq: 09 Mar 2020 18:41

Tgt Ion:	146	Resp:	528842
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.3	63.9
148	63.3	31.6	94.8





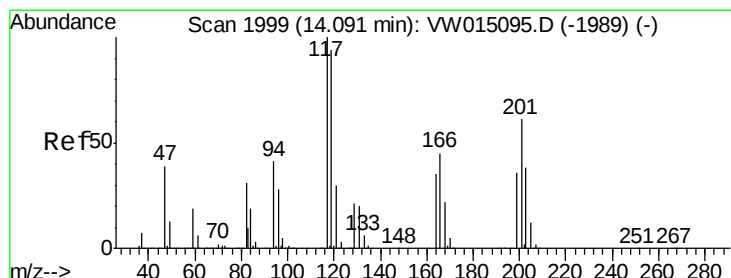
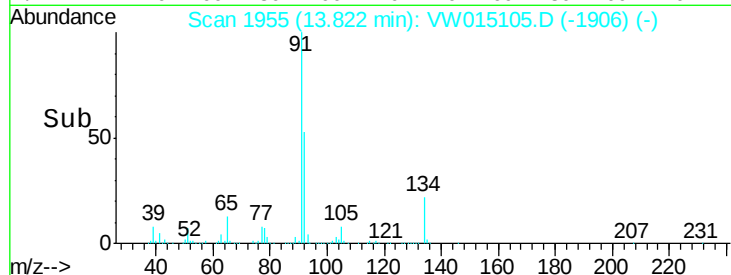
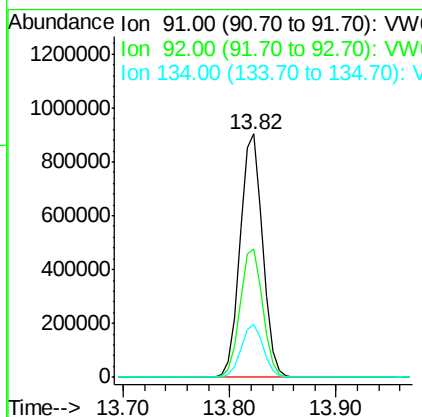
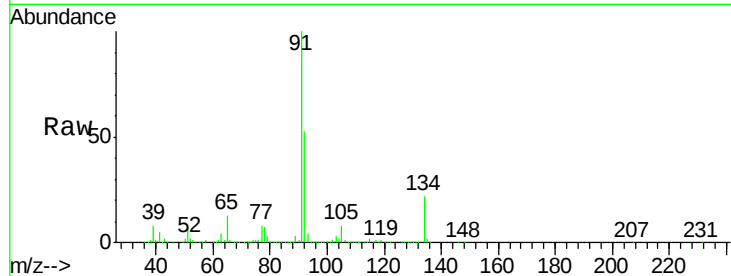
#89
n-Butylbenzene
Concen: 53.290 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1340355
Ion Ratio Lower Upper
91 100
92 53.3 26.8 80.3
134 21.6 10.8 32.4

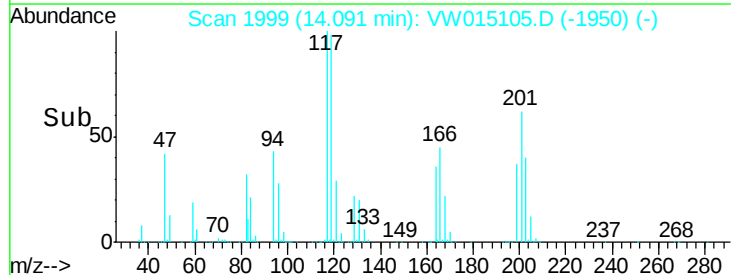
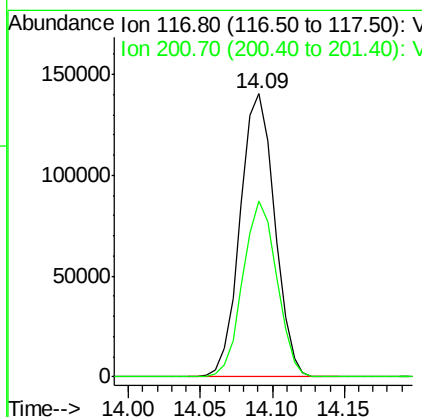
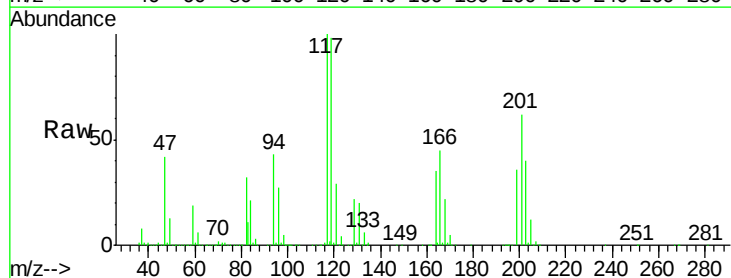
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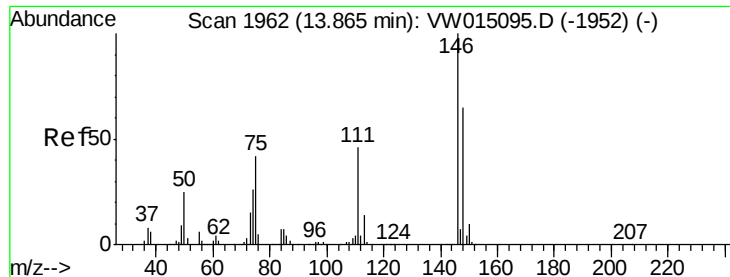
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#90
Hexachloroethane
Concen: 49.791 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion: 117 Resp: 232895
Ion Ratio Lower Upper
117 100
201 60.8 30.3 90.9





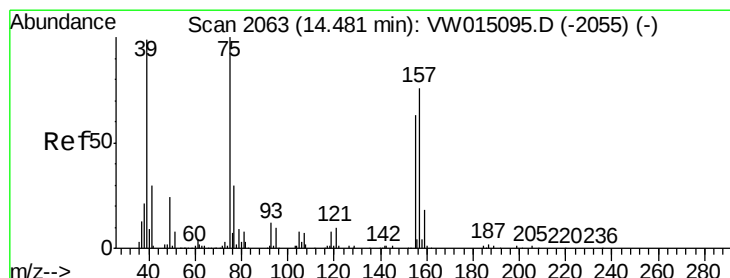
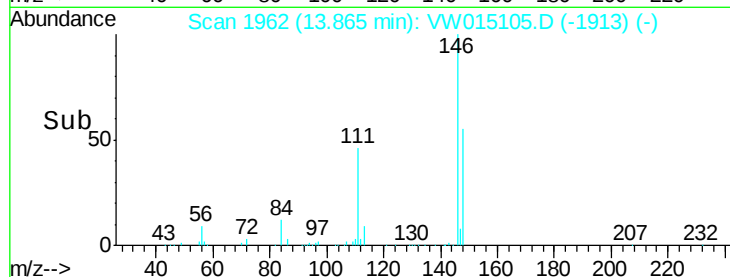
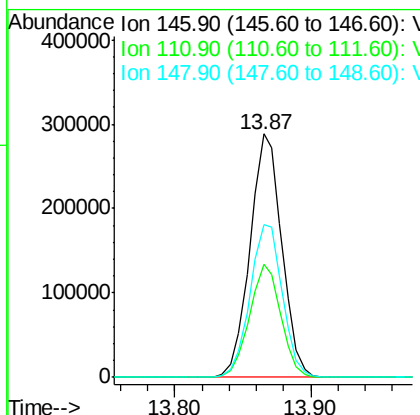
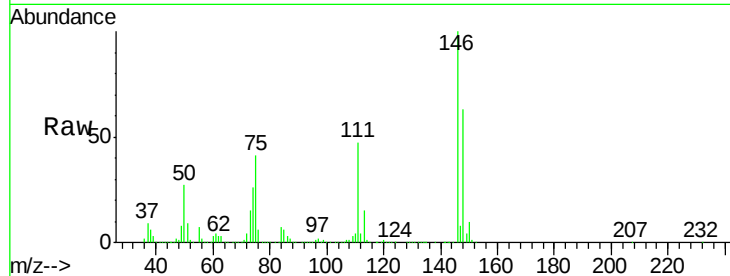
#91
 1,2-Dichlorobenzene
 Concen: 49.975 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.1	69.2
148	63.8	32.3	96.9

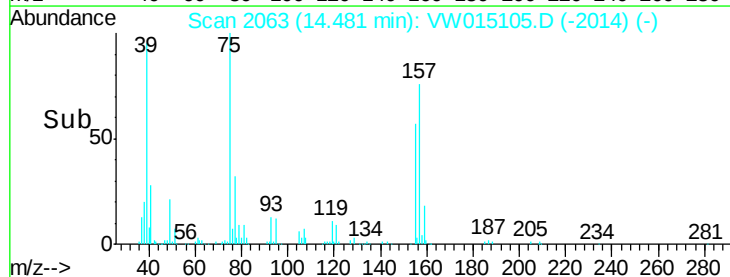
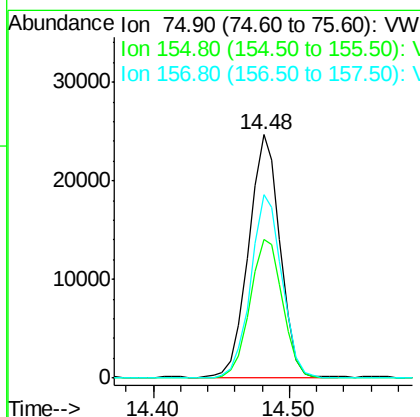
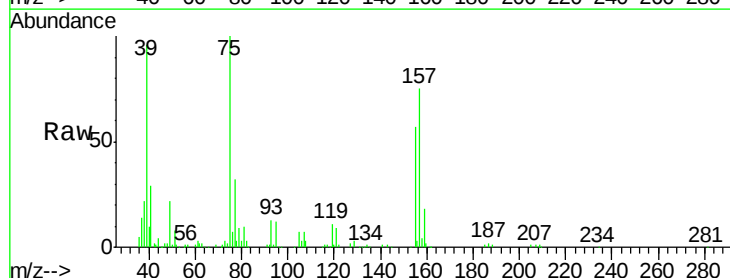
Manual Integrations
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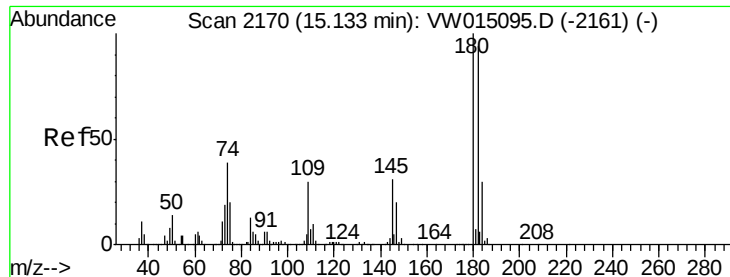
MMDadoda
 3/11/2020 3:24:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.362 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.1	32.1	96.3
157	75.4	39.6	118.7





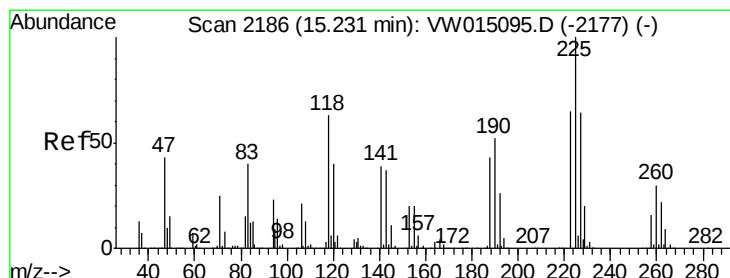
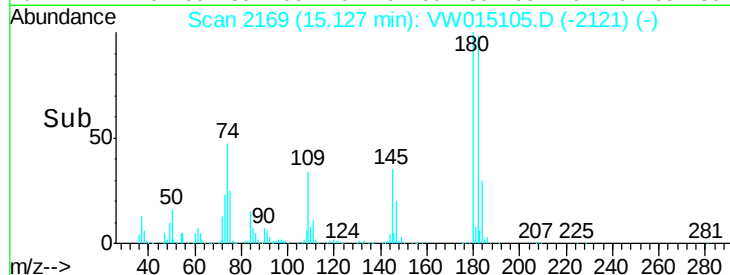
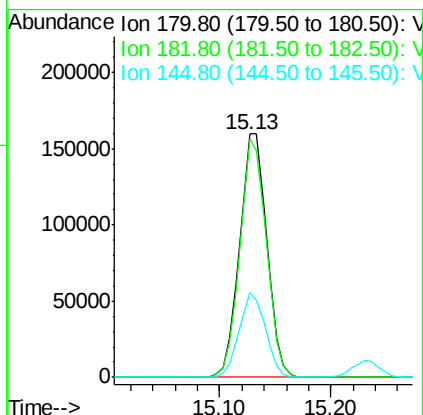
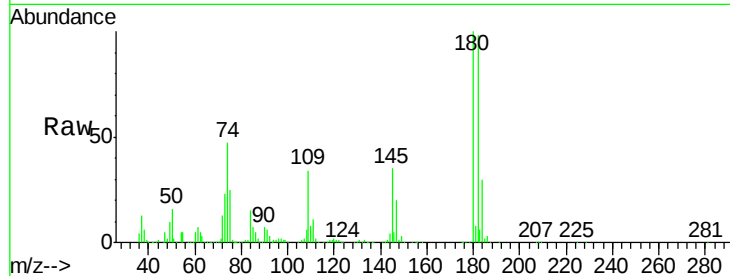
#93
 1,2,4-Trichlorobenzene
 Concen: 50.112 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.9
145	33.8	16.2	48.5

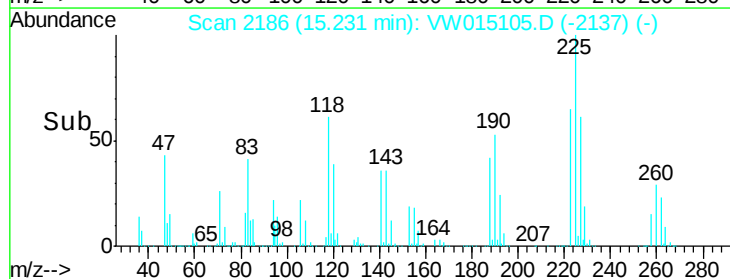
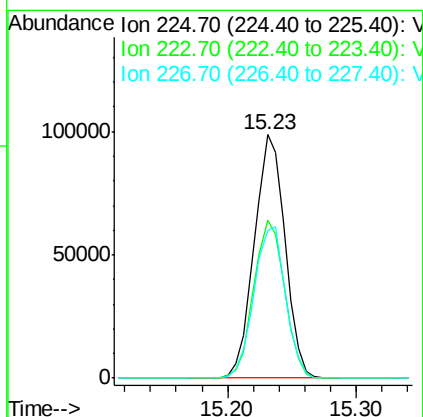
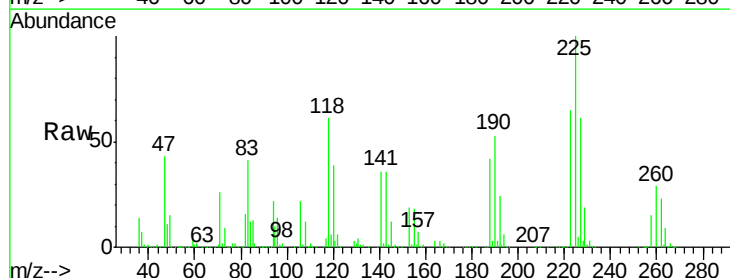
Manual Integrations
 APPROVED

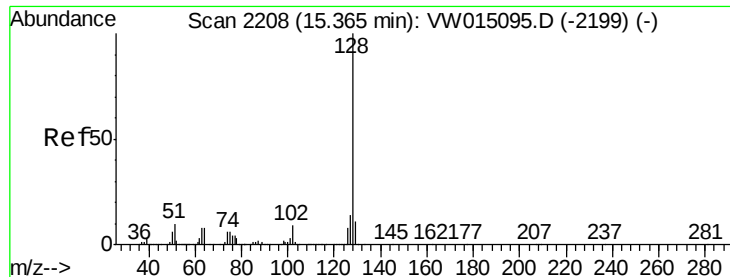
MMDadoda
 3/11/2020 3:24:20 PM



#94
 Hexachlorobutadiene
 Concen: 47.776 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW015105.D
 Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	32.5	97.4
227	64.0	33.0	99.0





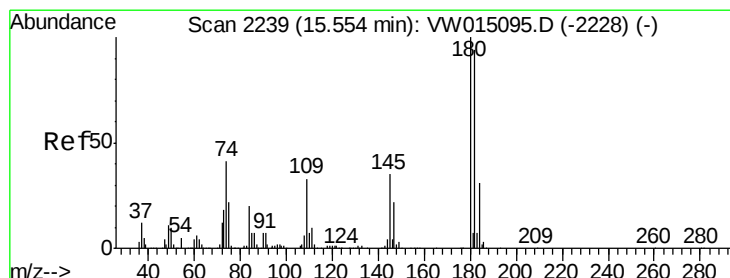
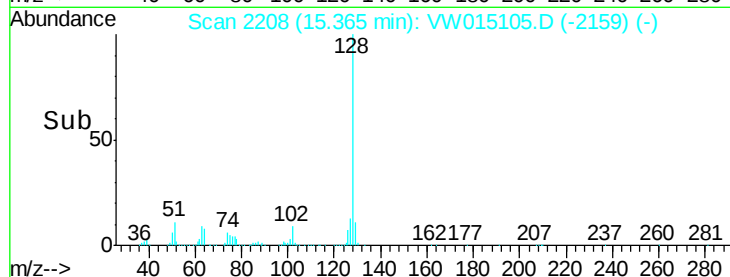
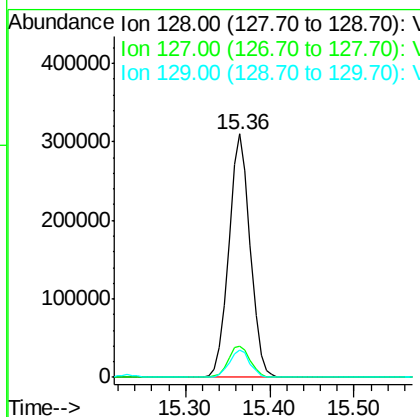
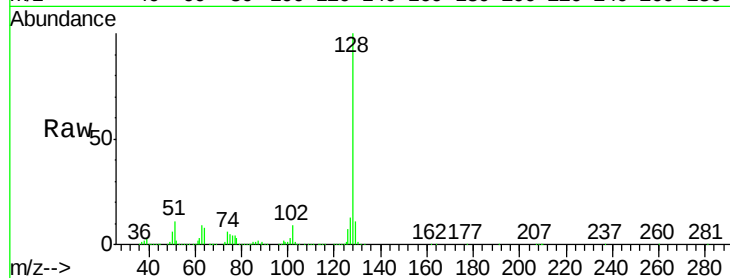
#95
Naphthalene
Concen: 45.440 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:24:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.281 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015105.D
Acq: 09 Mar 2020 18:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.9	143.7
145	34.0	17.5	52.6

