

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042320\
 Data File : VW015321.D
 Acq On : 23 Apr 2020 10:06
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:32:41 PM

Quant Time: Apr 24 06:58:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	340758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	176847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	96859	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.88	113	98798	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
50) Toluene-d8	10.32	98	403804	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.62	95	153422	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	91929	47.731	ug/l	96
3) Chloromethane	2.21	50	96699	46.105	ug/l	99
4) Vinyl Chloride	2.36	62	118445	47.824	ug/l	99
5) Bromomethane	2.77	94	89713	50.945	ug/l	98
6) Chloroethane	2.92	64	70595	45.952	ug/l	97
7) Trichlorofluoromethane	3.26	101	170040	48.519	ug/l	98
8) Diethyl Ether	3.69	74	45494	46.247	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.07	101	103623	47.946	ug/l	92
10) Methyl Iodide	4.28	142	118681	52.282	ug/l	99
11) Tert butyl alcohol	5.17	59	32867	202.163	ug/l	99
12) 1,1-Dichloroethene	4.04	96	100752	48.433	ug/l	92
13) Acrolein	3.90	56	22869	268.756	ug/l	100
14) Allyl chloride	4.67	41	129820	47.042	ug/l	87
15) Acrylonitrile	5.37	53	82958	221.601	ug/l	99
16) Acetone	4.12	43	88344	253.609	ug/l	94
17) Carbon Disulfide	4.39	76	288122	46.607	ug/l	100
18) Methyl Acetate	4.68	43	39141	42.449	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	225320	47.184	ug/l	96
20) Methylene Chloride	4.92	84	103826	45.478	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	113998	48.319	ug/l	93
22) Diisopropyl ether	6.31	45	250352	47.288	ug/l	94
23) Vinyl Acetate	6.26	43	713782	229.752	ug/l #	94
24) 1,1-Dichloroethane	6.22	63	177307	48.324	ug/l	98
25) 2-Butanone	7.17	43	109804	237.587	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	186805	48.394	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	124787	48.993	ug/l	100
28) Bromochloromethane	7.51	49	64224	48.143	ug/l #	70
29) Tetrahydrofuran	7.53	42	63126	219.237	ug/l	88
30) Chloroform	7.68	83	195884	49.465	ug/l	97
31) Cyclohexane	7.95	56	162588	44.083	ug/l	89
32) 1,1,1-Trichloroethane	7.87	97	188669	49.365	ug/l	99
36) 1,1-Dichloropropene	8.08	75	153298	49.844	ug/l	98
37) Ethyl Acetate	7.26	43	44947	45.031	ug/l #	96
38) Carbon Tetrachloride	8.07	117	172455	51.311	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	197842	48.331	ug/l	95
40) Benzene	8.32	78	411296	50.063	ug/l	97
41) Methacrylonitrile	7.48	41	26678	44.545	ug/l	90
42) 1,2-Dichloroethane	8.40	62	119186	49.280	ug/l	99
43) Isopropyl Acetate	8.42	43	94626	45.201	ug/l	93
44) Trichloroethene	9.09	130	129300	51.453	ug/l	97
45) 1,2-Dichloropropane	9.37	63	94988	49.718	ug/l	97
46) Dibromomethane	9.46	93	54729	49.521	ug/l #	88
47) Bromodichloromethane	9.64	83	148027	50.104	ug/l	100
48) Methyl methacrylate	9.43	41	43803	44.262	ug/l #	84
49) 1,4-Dioxane	9.45	88	13668	927.697	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	222221	226.128	ug/l	96
52) Toluene	10.38	92	290637	50.548	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	143315	49.196	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	167877	49.579	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	76261	49.279	ug/l	96
56) Ethyl methacrylate	10.65	69	93926	47.113	ug/l	93
57) 1,3-Dichloropropane	10.93	76	125327	48.889	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	218238	236.118	ug/l #	88
59) 2-Hexanone	10.97	43	168524	240.233	ug/l	96
60) Dibromochloromethane	11.13	129	104149	50.971	ug/l	99
61) 1,2-Dibromoethane	11.23	107	74881	49.589	ug/l	99
64) Tetrachloroethene	10.86	164	121763	52.269	ug/l	95
65) Chlorobenzene	11.66	112	326718	51.010	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	117092	50.865	ug/l	97
67) Ethyl Benzene	11.73	91	598143	50.077	ug/l	98
68) m/p-Xylenes	11.83	106	471831	100.777	ug/l	99
69) o-Xylene	12.16	106	222071	50.816	ug/l	98
70) Styrene	12.18	104	378424	50.801	ug/l	99
71) Bromoform	12.35	173	62255	47.996	ug/l #	98
73) Isopropylbenzene	12.46	105	616173	50.252	ug/l	100
74) N-amyl acetate	12.27	43	93952	44.043	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	79058	45.412	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	61145m	44.693	ug/l	
77) Bromobenzene	12.74	156	141036	50.064	ug/l	83
78) n-propylbenzene	12.80	91	710474	49.765	ug/l	96
79) 2-Chlorotoluene	12.89	91	403953	50.208	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	532568	50.421	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	27989	44.722	ug/l	94
82) 4-Chlorotoluene	12.99	91	427419	50.035	ug/l	97
83) tert-Butylbenzene	13.21	119	469255	50.831	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	512878	49.230	ug/l	98
85) sec-Butylbenzene	13.38	105	644800	50.575	ug/l	98
86) p-Isopropyltoluene	13.50	119	598661	50.533	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	286104	51.115	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	277935	50.655	ug/l	97
89) n-Butylbenzene	13.82	91	539604	49.833	ug/l	98
90) Hexachloroethane	14.09	117	105727	48.664	ug/l	72
91) 1,2-Dichlorobenzene	13.87	146	245279	50.428	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14306	45.409	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	163741	48.432	ug/l	98
94) Hexachlorobutadiene	15.24	225	111300	49.379	ug/l	97
95) Naphthalene	15.36	128	253543	46.621	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	135588	49.292	ug/l	98

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

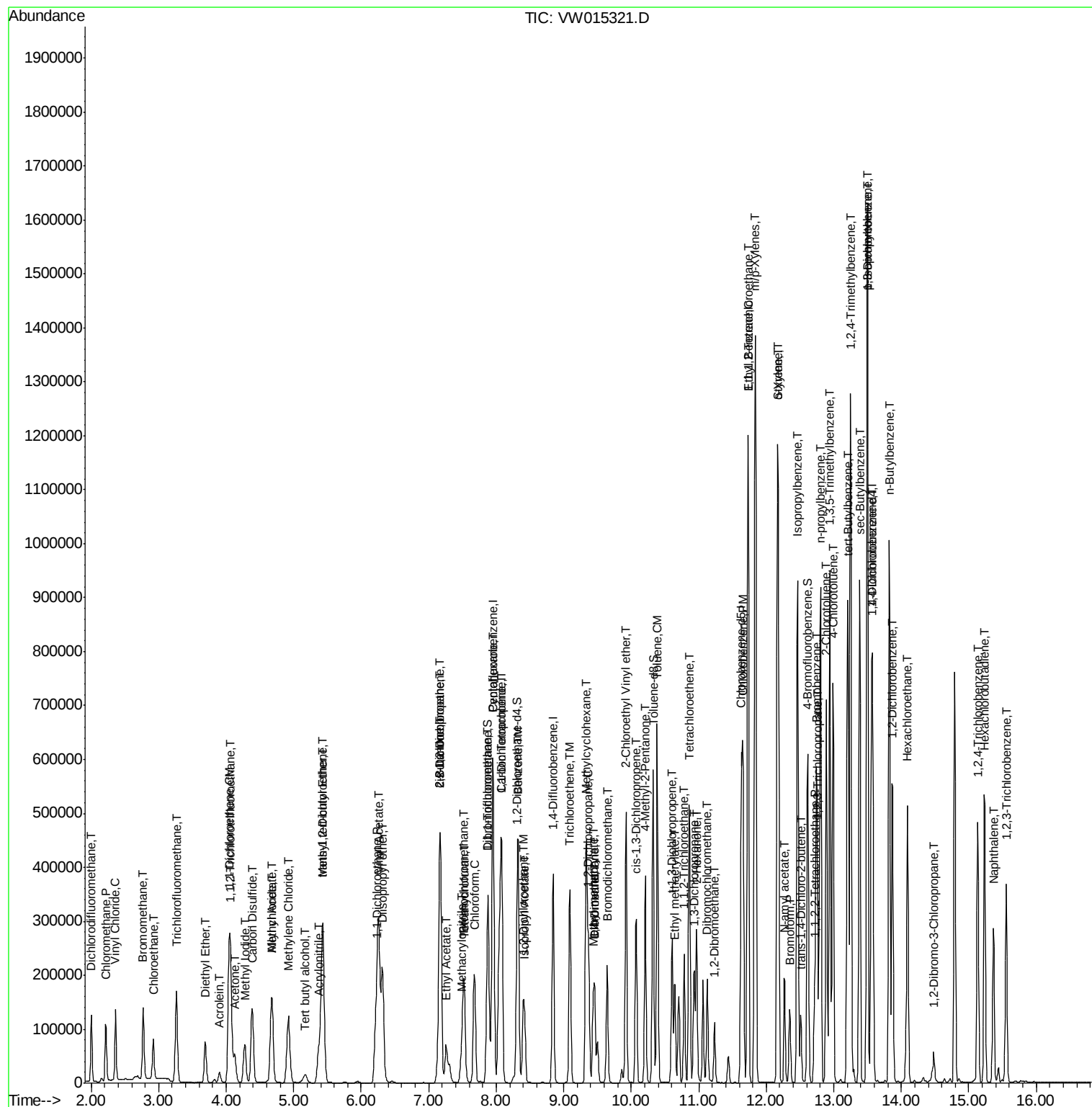
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042320\
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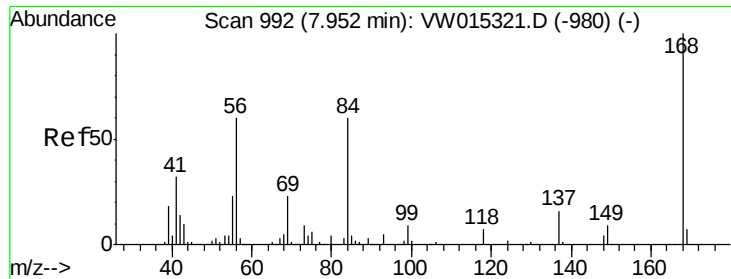
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 243890

Ion Ratio Lower Upper

168 100

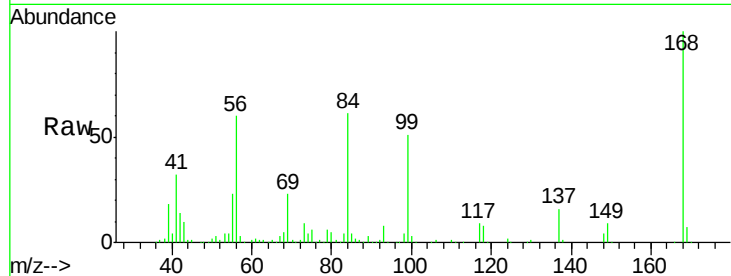
99 50.7 48.5 72.7

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

120000

100000

80000

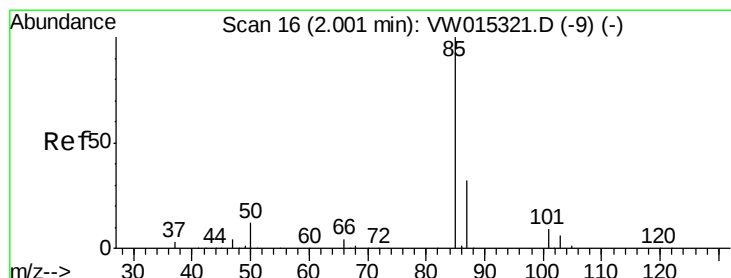
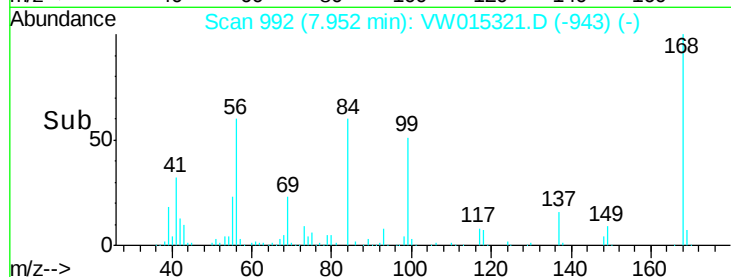
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 47.731 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015321.D

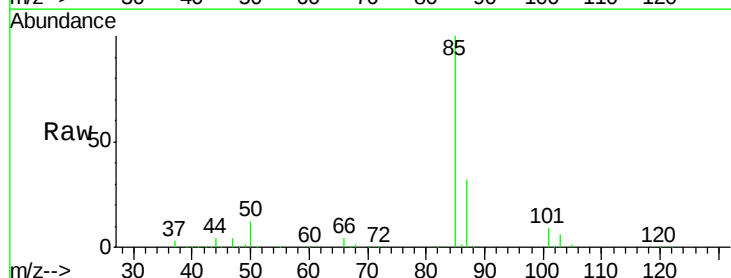
Acq: 23 Apr 2020 10:06

Tgt Ion: 85 Resp: 91929

Ion Ratio Lower Upper

85 100

87 32.0 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

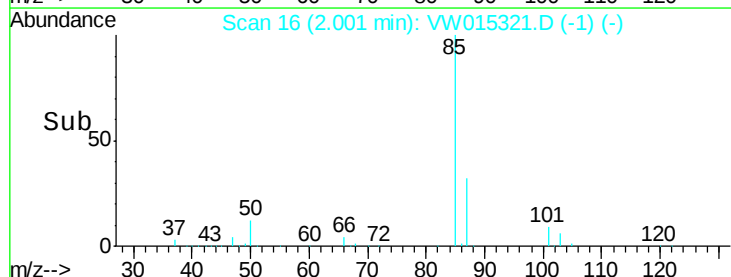
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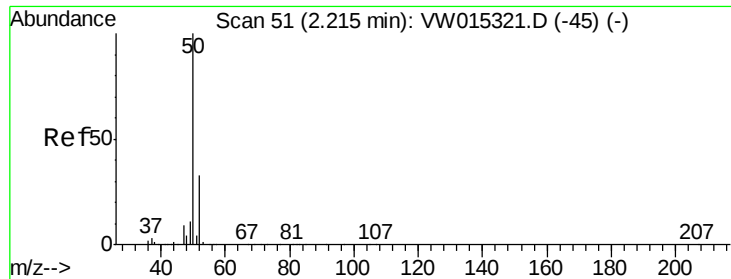
40000

20000

0

Time--> 1.95 2.00 2.05





#3

Chloromethane

Concen: 46.105 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 96699

Ion Ratio Lower Upper

50 100

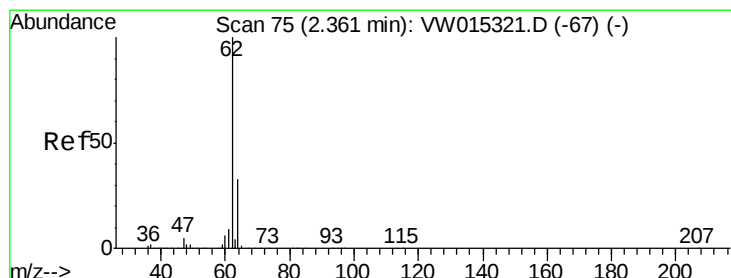
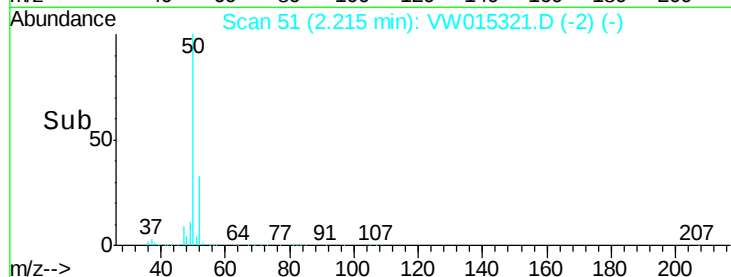
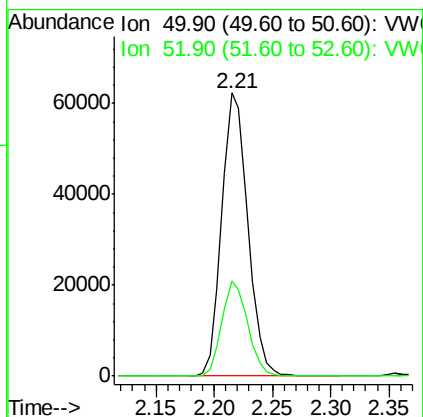
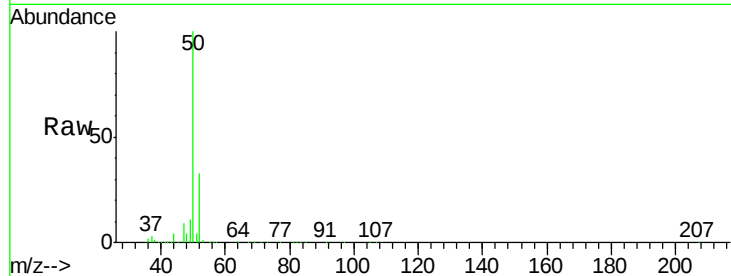
52 33.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.824 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015321.D

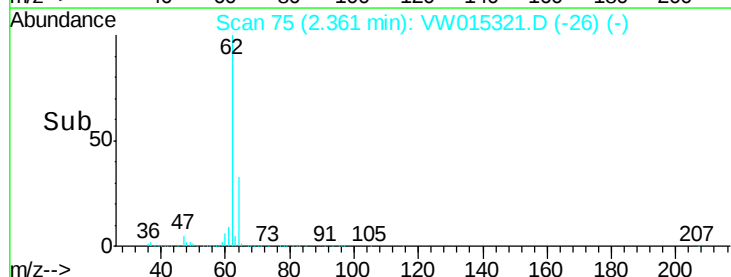
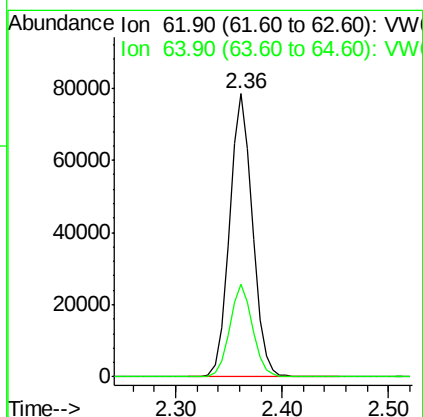
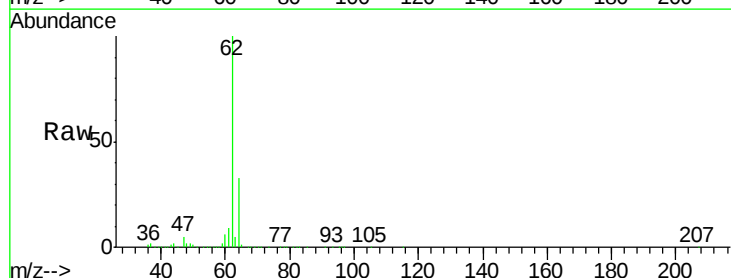
Acq: 23 Apr 2020 10:06

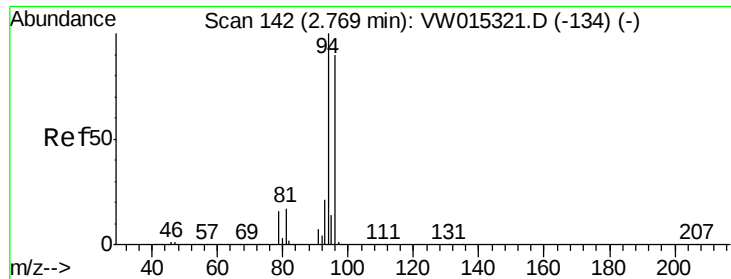
Tgt Ion: 62 Resp: 118445

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 50.945 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 89713

Ion Ratio Lower Upper

94 100

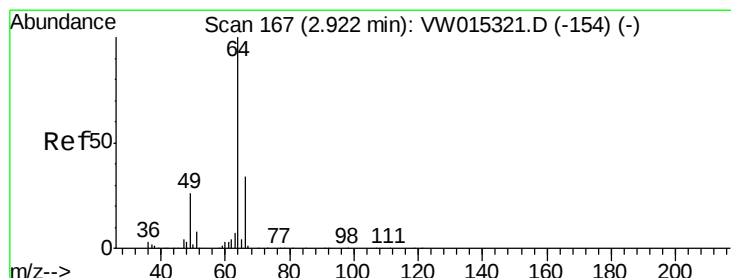
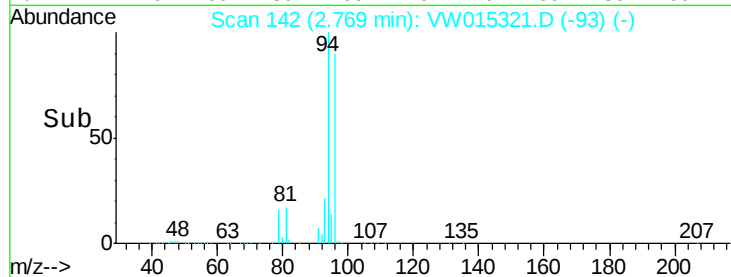
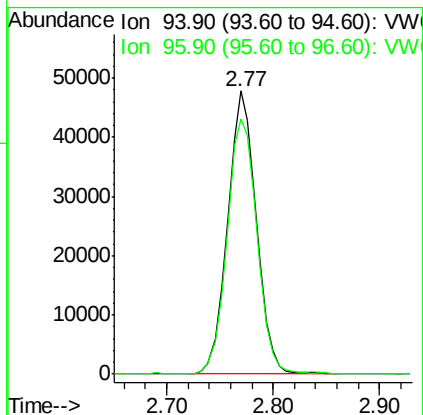
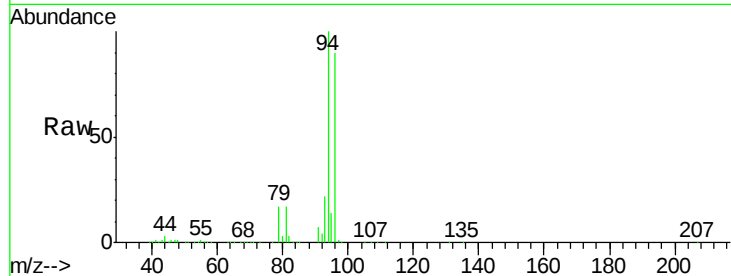
96 90.1 70.4 105.6

Manual Integrations

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#6

Chloroethane

Concen: 45.952 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015321.D

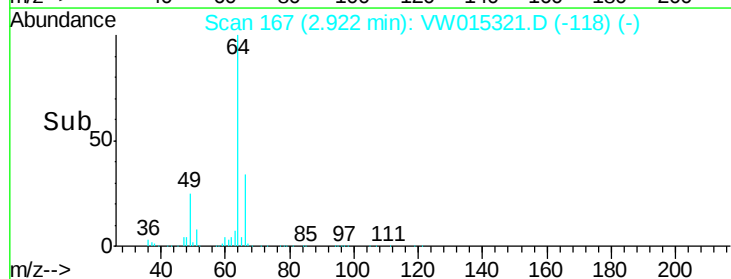
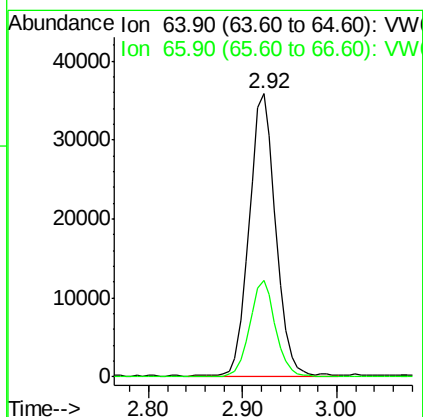
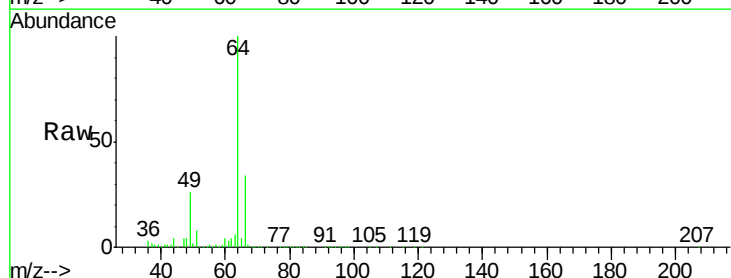
Acq: 23 Apr 2020 10:06

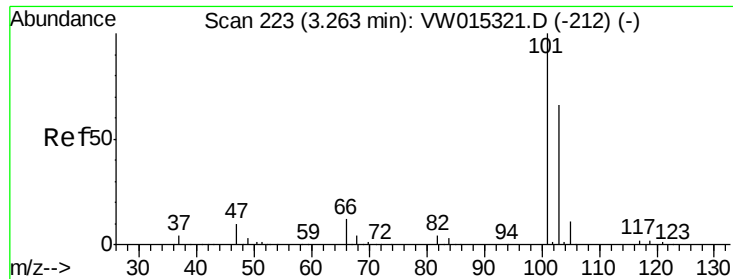
Tgt Ion: 64 Resp: 70595

Ion Ratio Lower Upper

64 100

66 34.1 25.8 38.6





#7

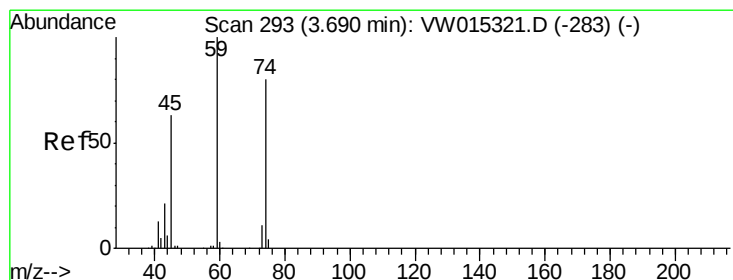
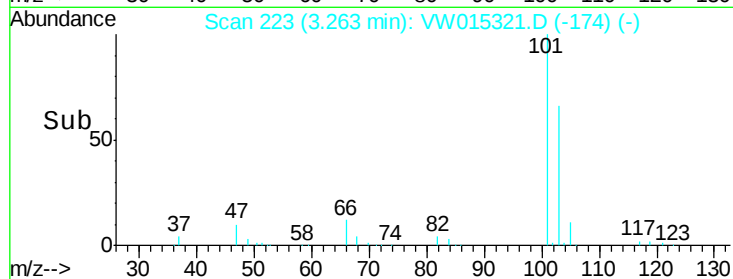
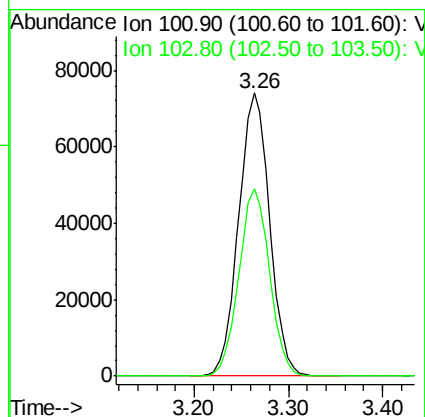
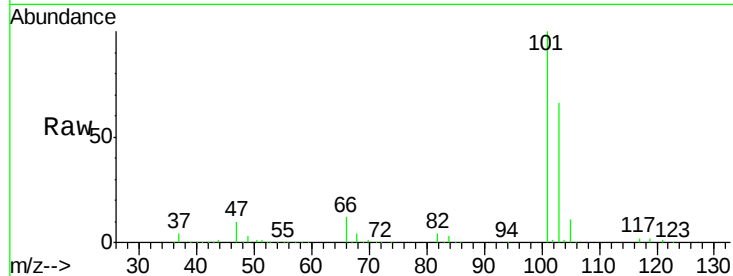
Trichlorofluoromethane
Concen: 48.519 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015321.D
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Tot Ion:101 Resp: 170040
Ion Ratio Lower Upper
101 100
103 66.0 51.3 76.9

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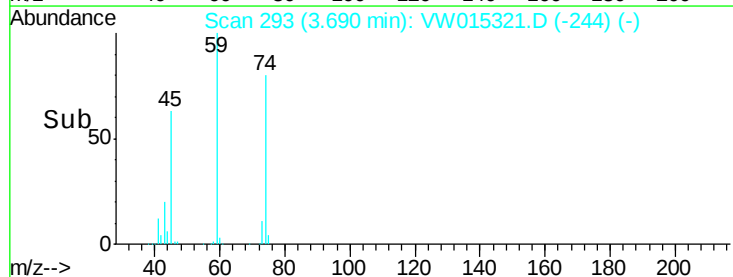
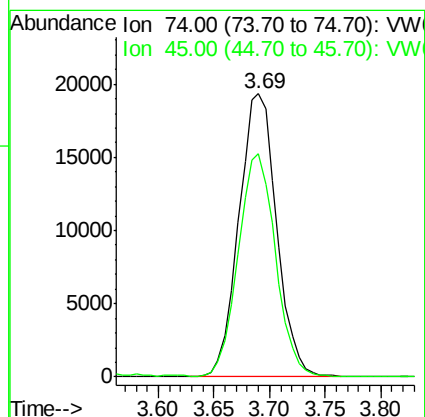
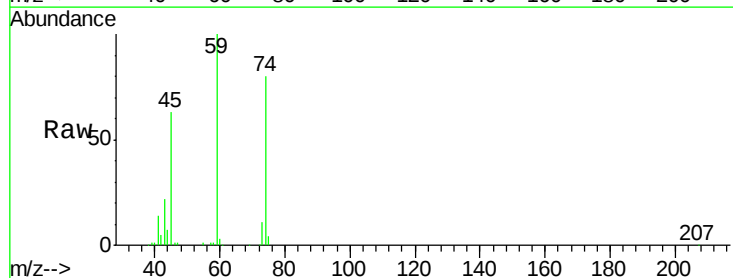
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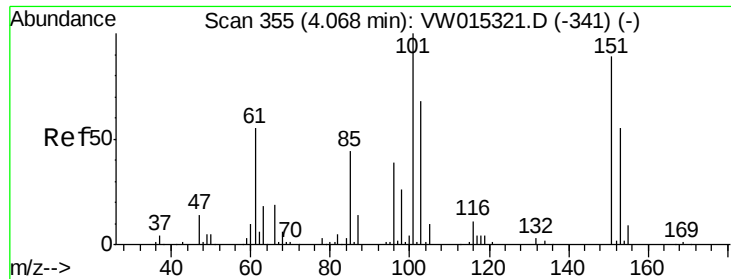


#8

Diethyl Ether
Concen: 46.247 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion: 74 Resp: 45494
Ion Ratio Lower Upper
74 100
45 78.0 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.946 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

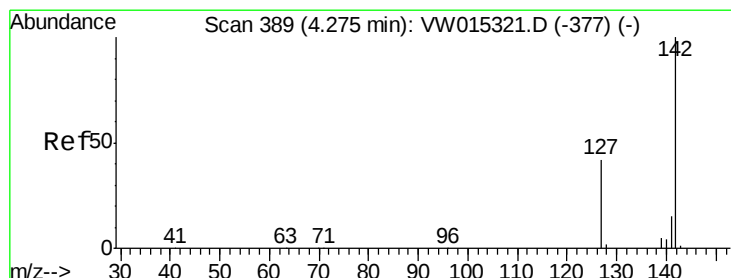
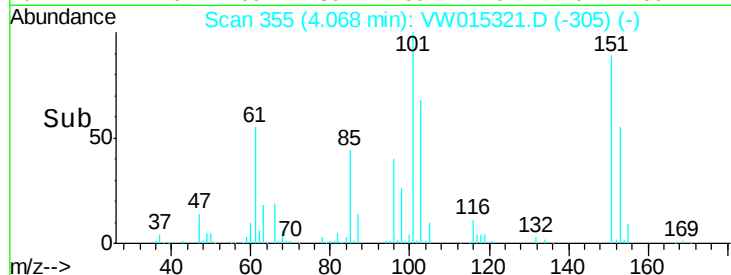
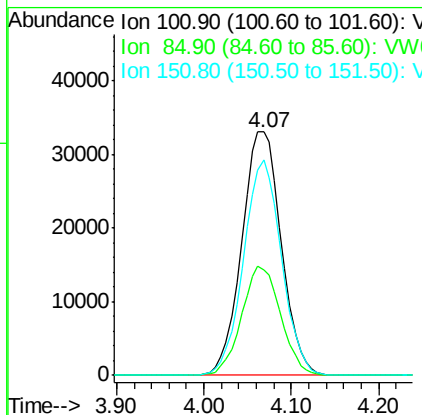
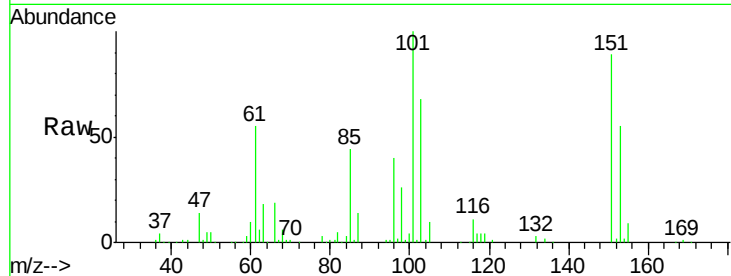
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	103623
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.3	52.9
151	85.1	59.3	88.9

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#10

Methyl Iodide

Concen: 52.282 ug/l

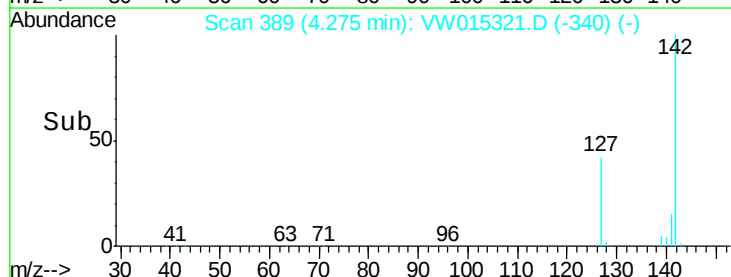
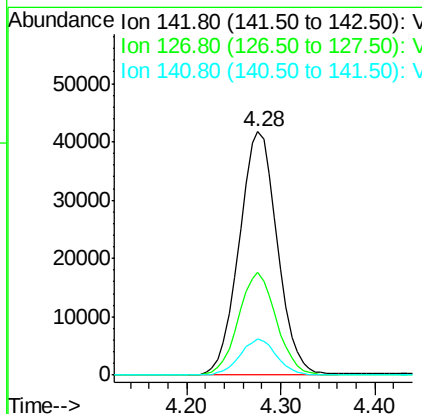
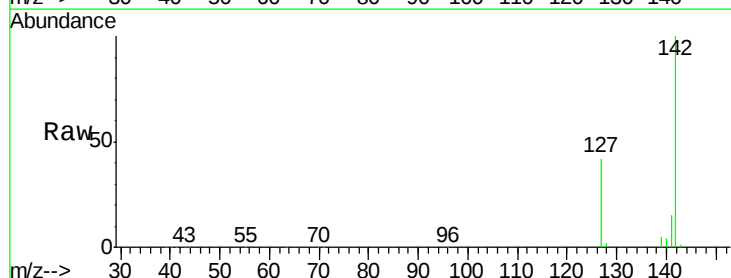
RT: 4.28 min Scan# 389

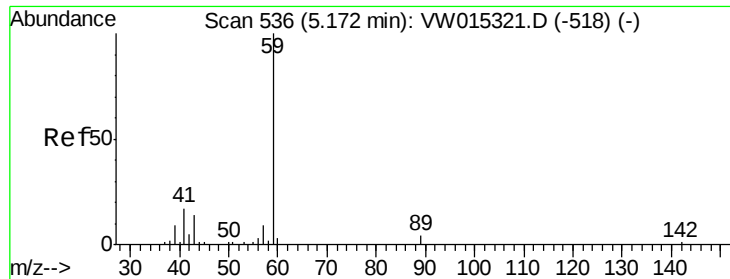
Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Tgt Ion:	142	Resp:	118681
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.9	50.9
141	14.4	11.4	17.2





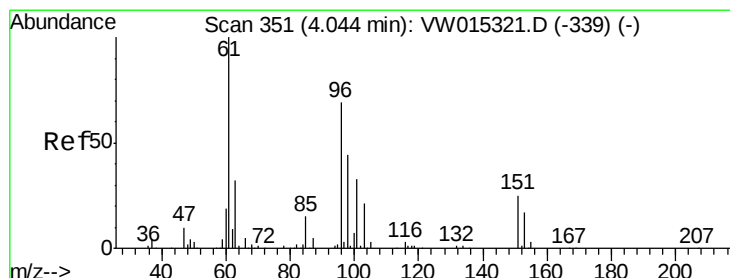
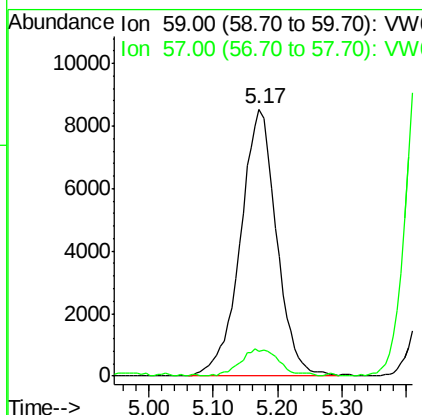
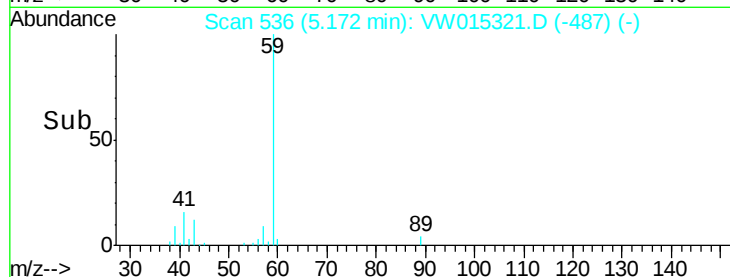
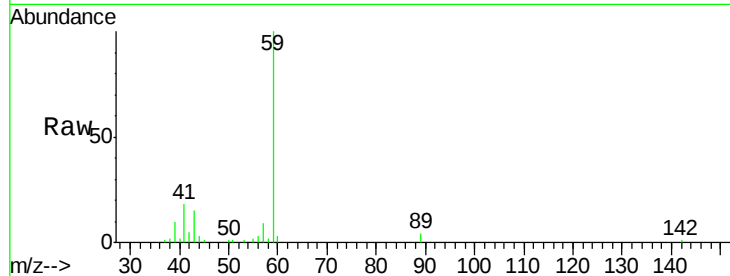
#11
Tert butyl alcohol
Concen: 202.163 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 32867
Ion Ratio Lower Upper
59 100
57 11.0 8.4 12.6

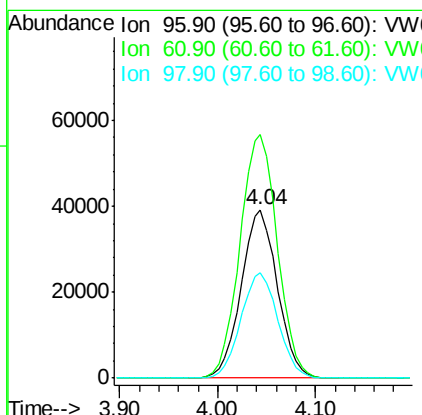
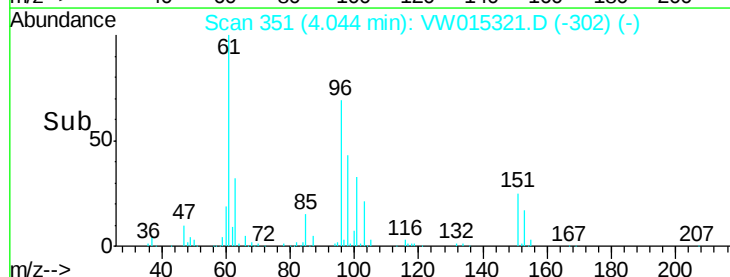
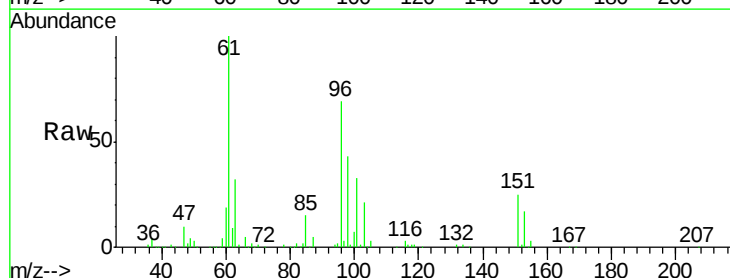
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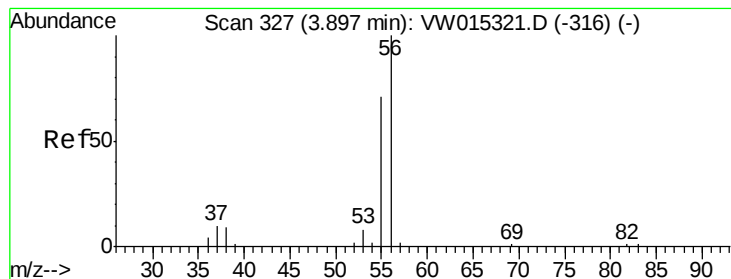
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.433 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion: 96 Resp: 100752
Ion Ratio Lower Upper
96 100
61 144.6 127.0 190.4
98 62.9 51.0 76.4





#13

Acrolein

Concen: 268.756 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 22869

Ion Ratio Lower Upper

56 100

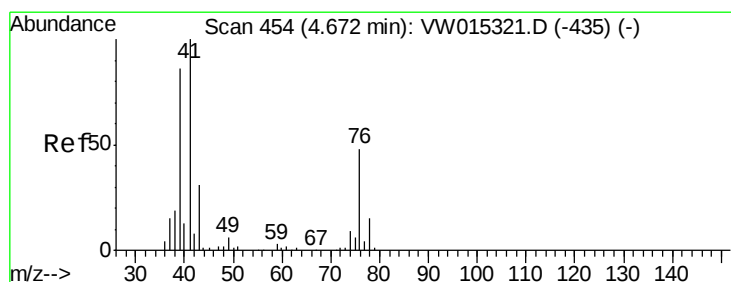
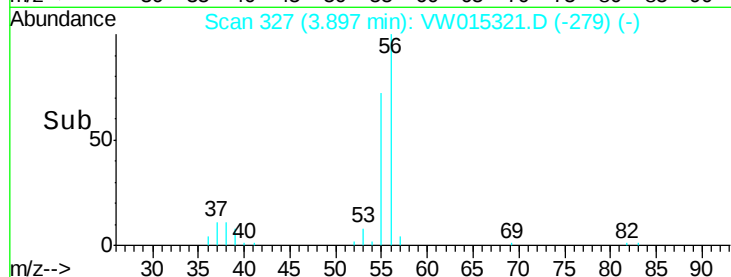
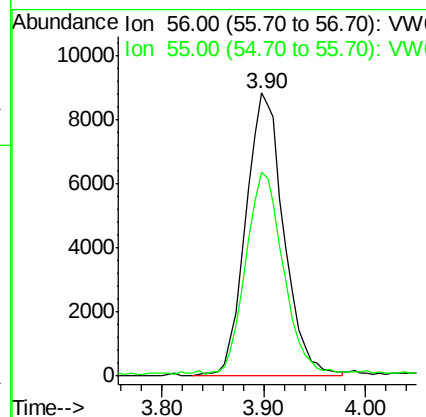
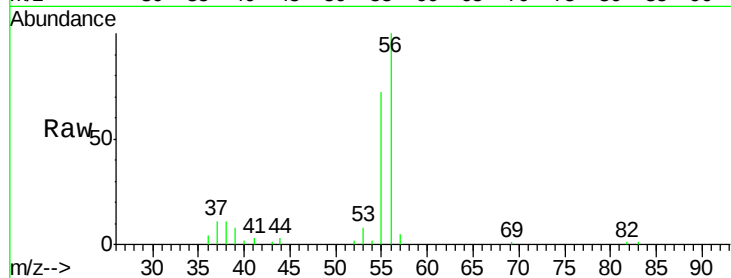
55 70.0 56.2 84.2

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#14

Allyl chloride

Concen: 47.042 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

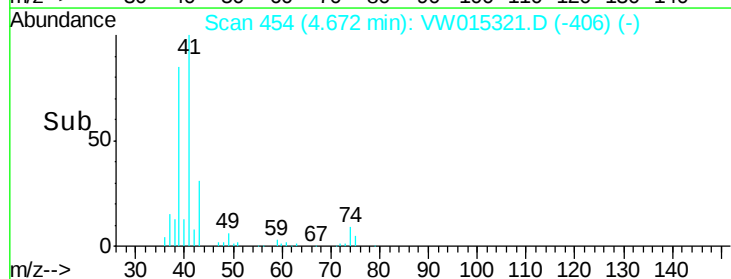
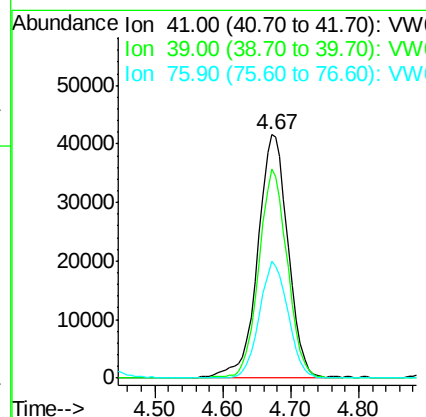
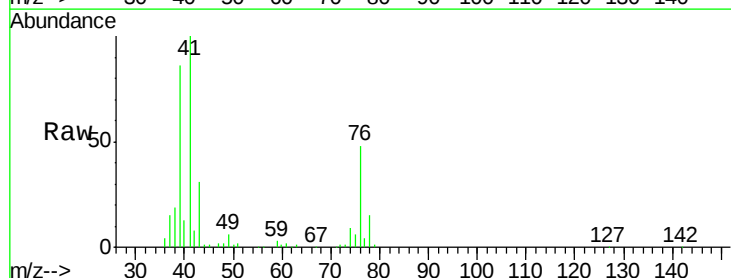
Tgt Ion: 41 Resp: 129820

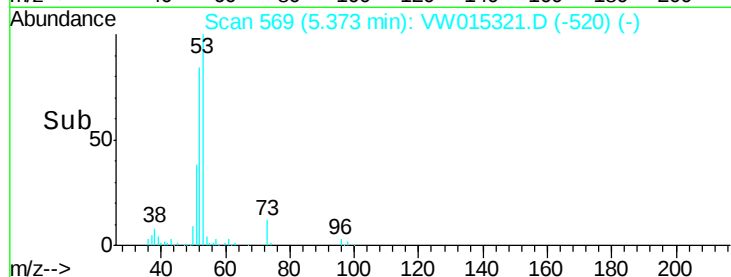
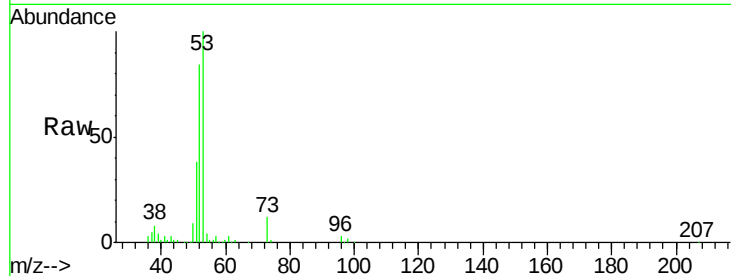
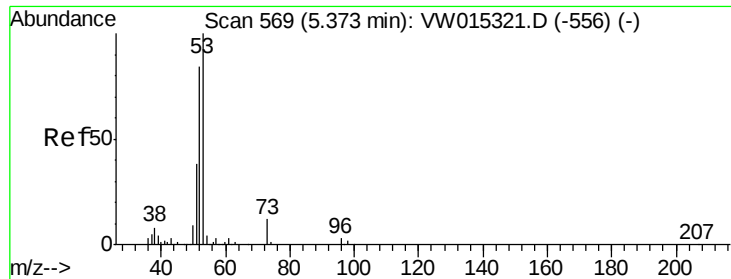
Ion Ratio Lower Upper

41 100

39 80.6 54.0 81.0

76 45.0 31.8 47.6





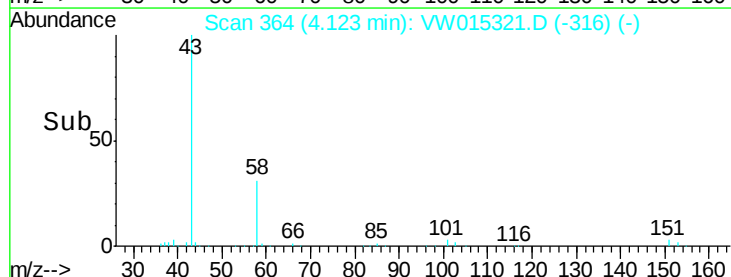
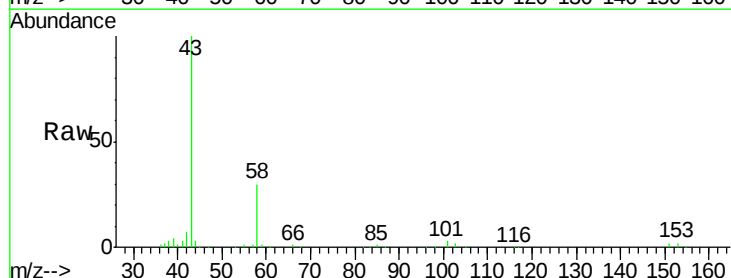
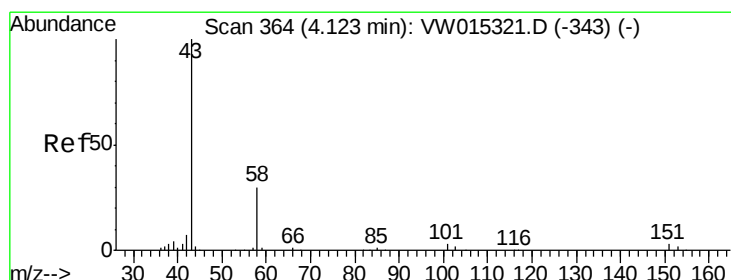
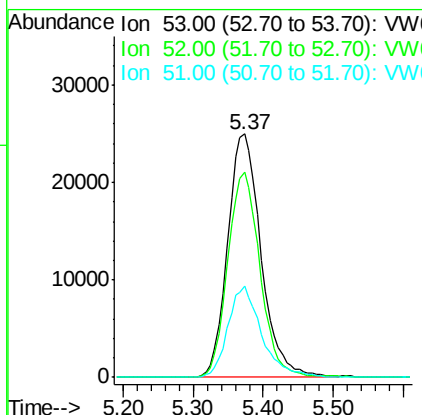
#15
Acrylonitrile
Concen: 221.601 ug/l
RT: 5.37 min Scan# 569
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.2	97.8
51	37.5	28.2	42.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

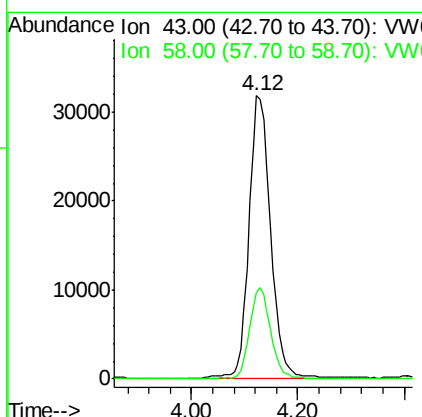
Manual Integrations
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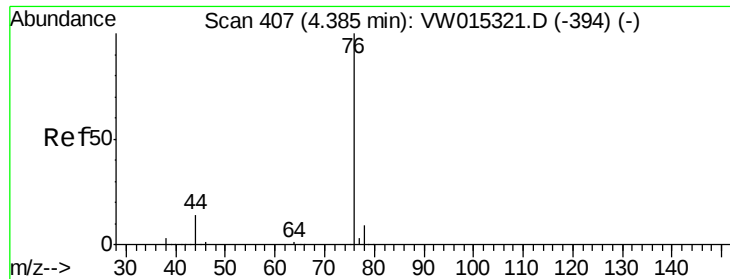
MMDadoda
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#16
Acetone
Concen: 253.609 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.5	27.0	40.4





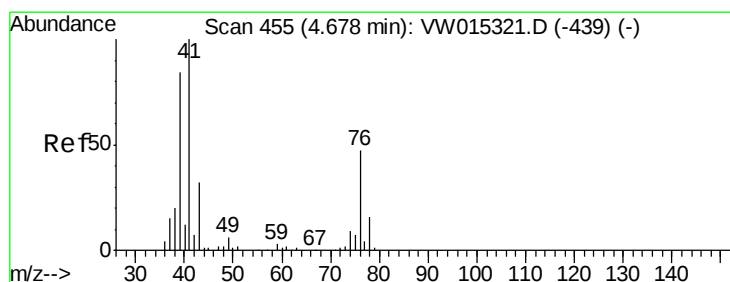
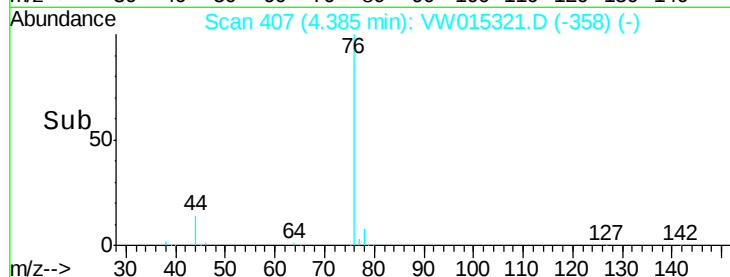
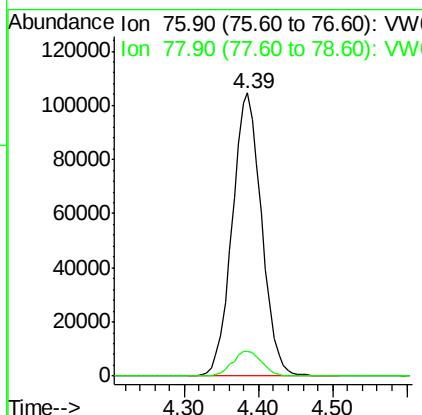
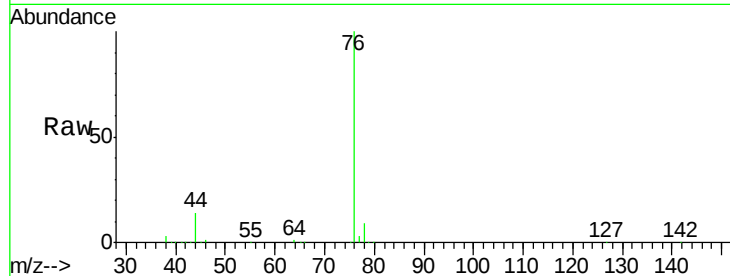
#17
Carbon Disulfide
Concen: 46.607 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

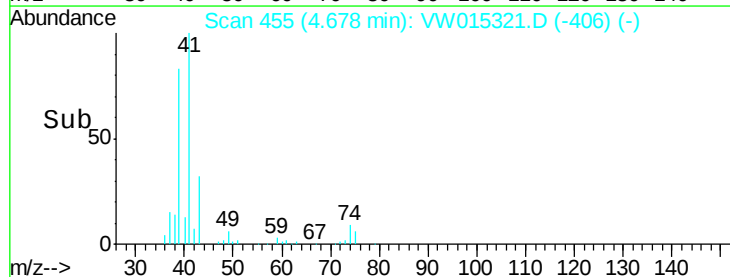
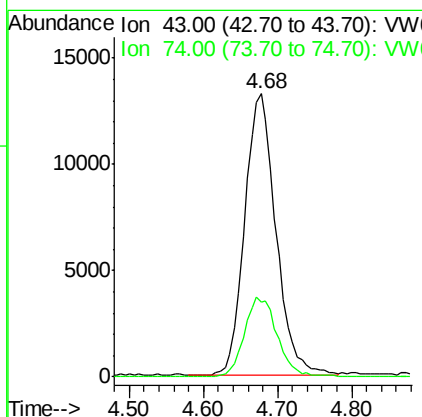
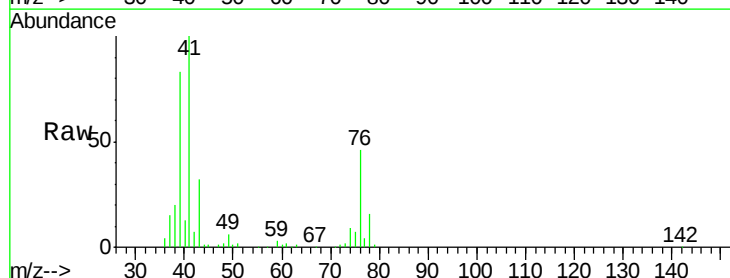
Manual Integrations
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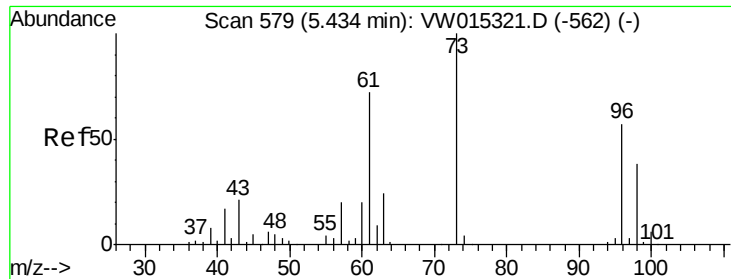
MMDadoda
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#18
Methyl Acetate
Concen: 42.449 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.5	20.6	31.0





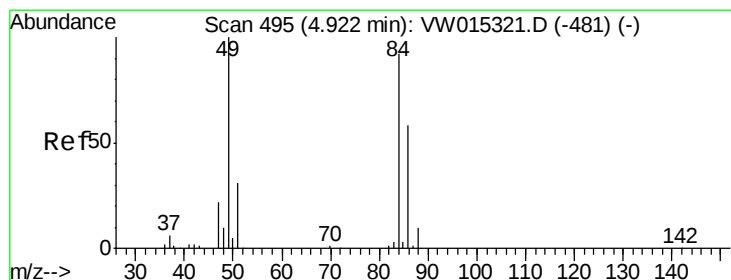
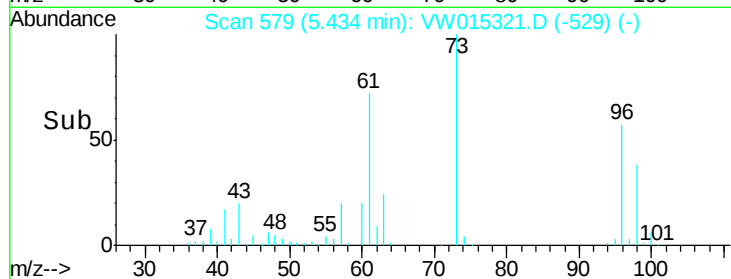
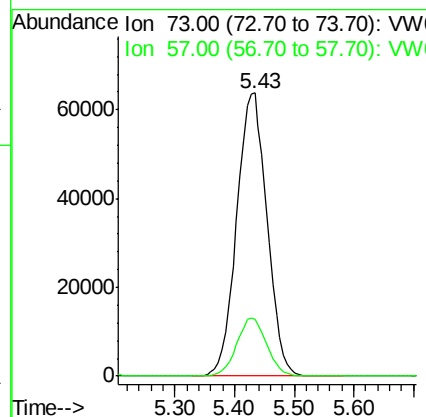
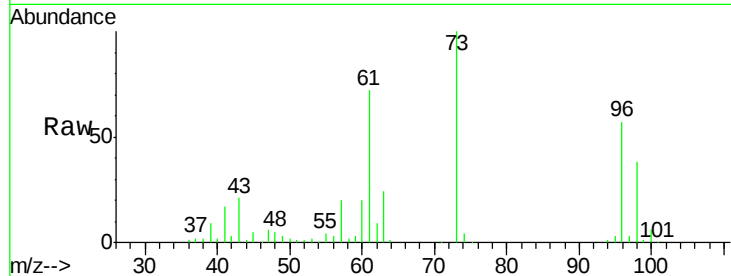
#19
Methyl tert-butyl Ether
Concen: 47.184 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.8	26.6

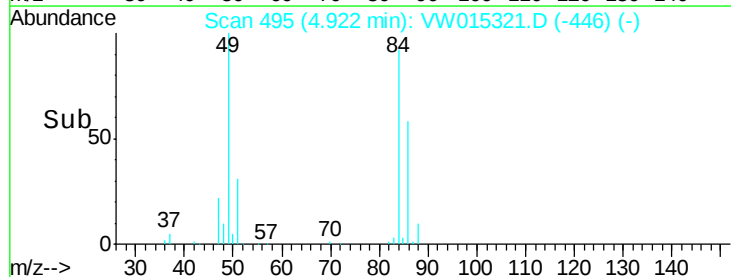
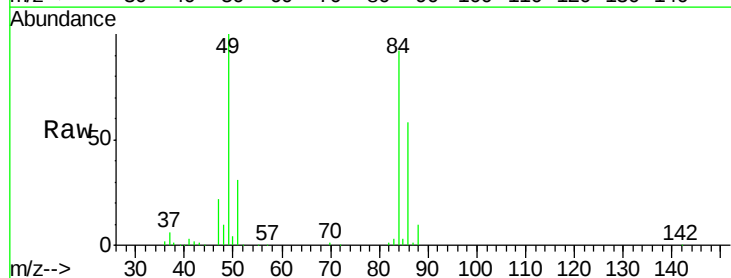
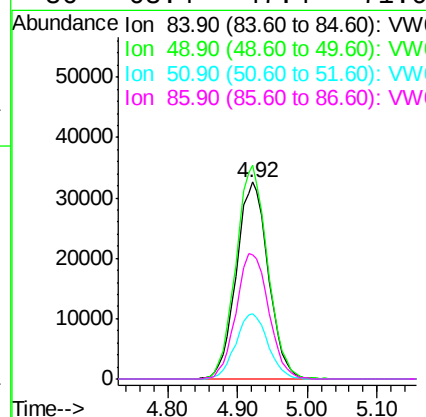
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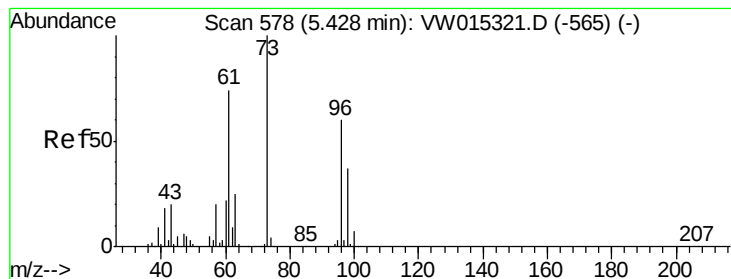
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#20
Methylene Chloride
Concen: 45.478 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.6	95.4	143.0
51	33.3	29.8	44.8
86	63.4	47.4	71.0





#21

trans-1,2-Dichloroethene

Concen: 48.319 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 113998

Ion Ratio Lower Upper

96 100

61 123.5 107.8 161.6

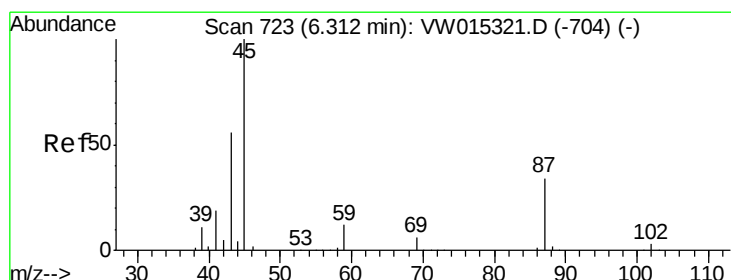
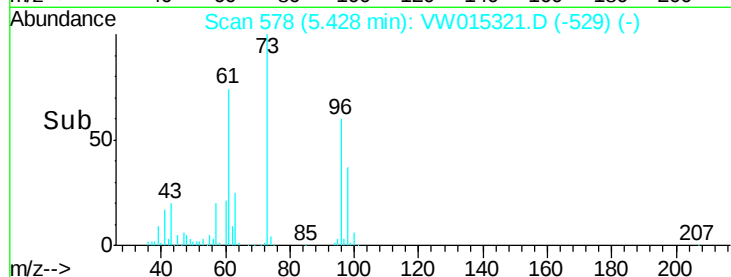
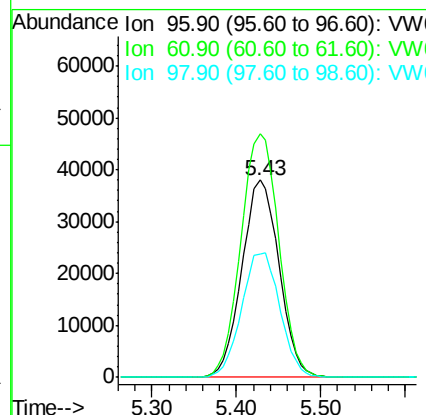
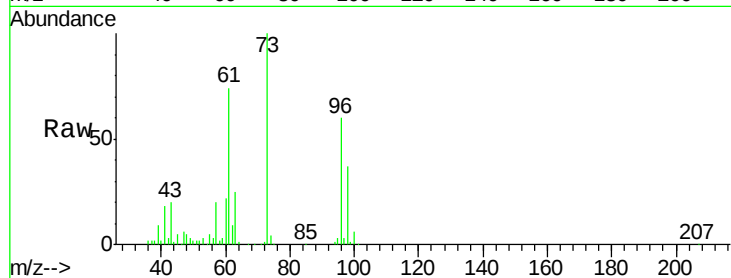
98 62.3 50.2 75.2

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#22

Diisopropyl ether

Concen: 47.288 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Tgt Ion: 45 Resp: 250352

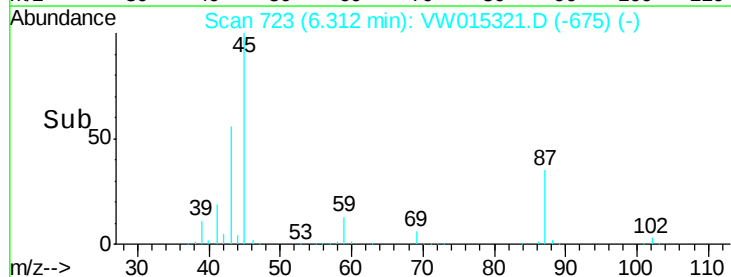
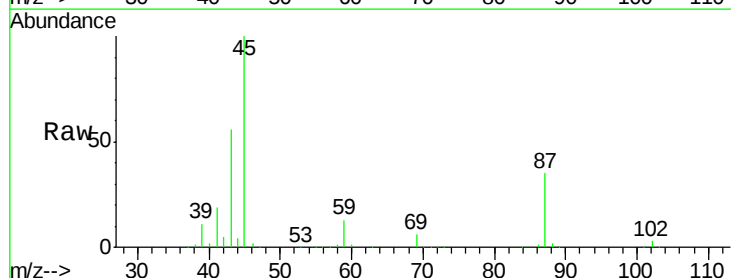
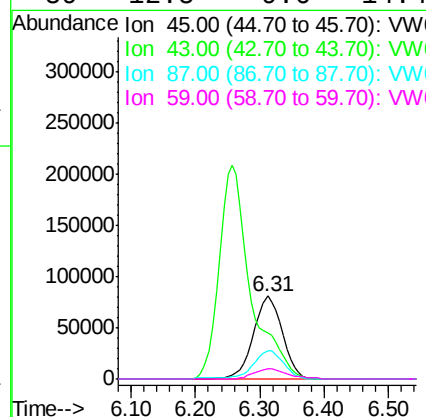
Ion Ratio Lower Upper

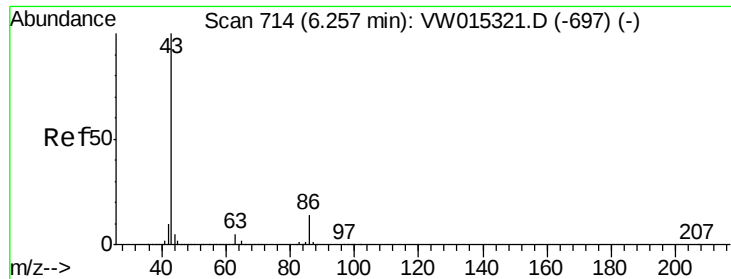
45 100

43 55.8 41.8 62.6

87 34.7 23.2 34.8

59 12.5 9.6 14.4





#23

Vinyl Acetate

Concen: 229.752 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 713782

Ion Ratio Lower Upper

43 100

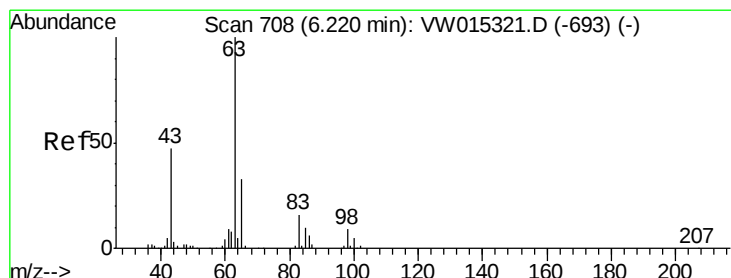
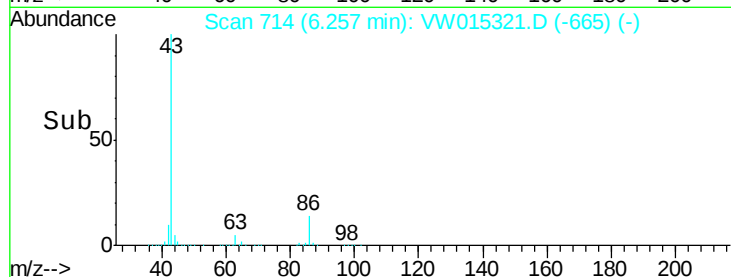
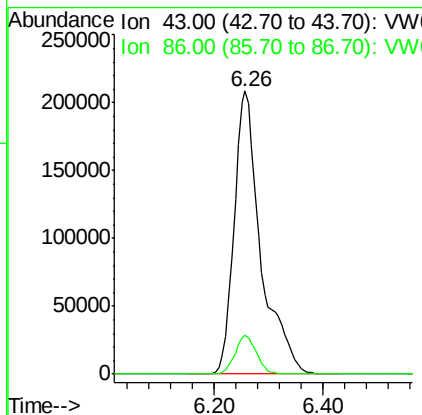
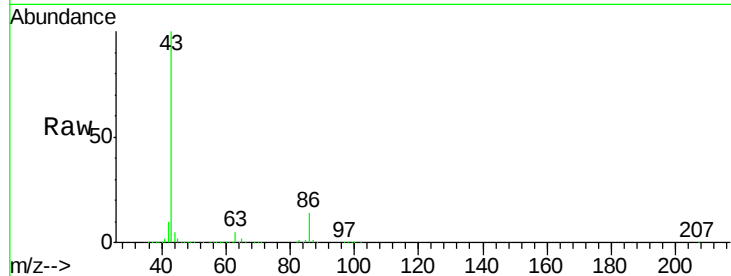
86 13.7 9.1 13.7#

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#24

1,1-Dichloroethane

Concen: 48.324 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

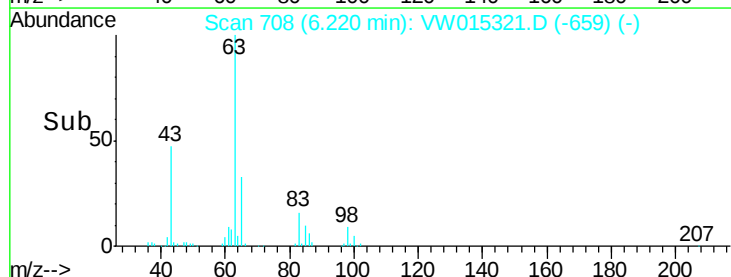
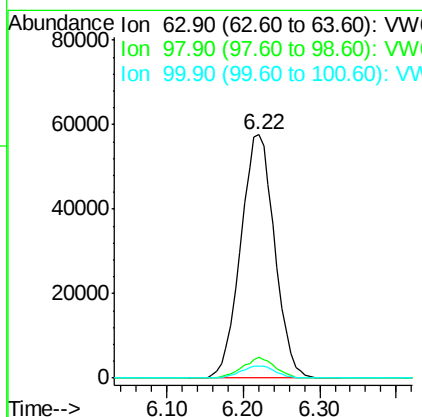
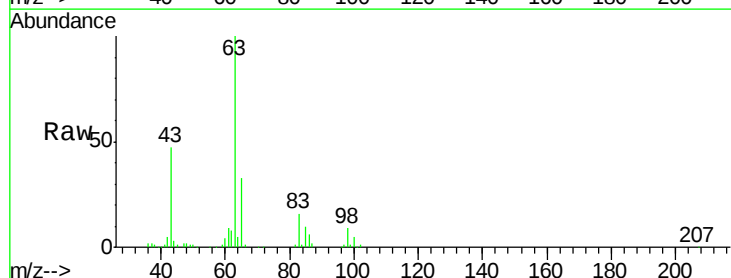
Tgt Ion: 63 Resp: 177307

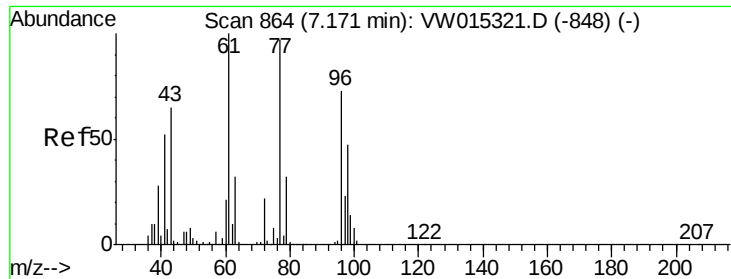
Ion Ratio Lower Upper

63 100

98 8.5 3.6 10.9

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 237.587 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 109804

Ion Ratio Lower Upper

43 100

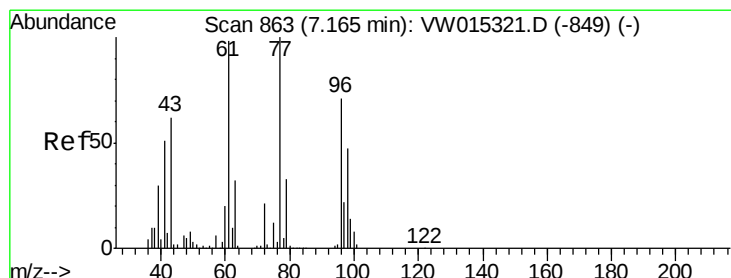
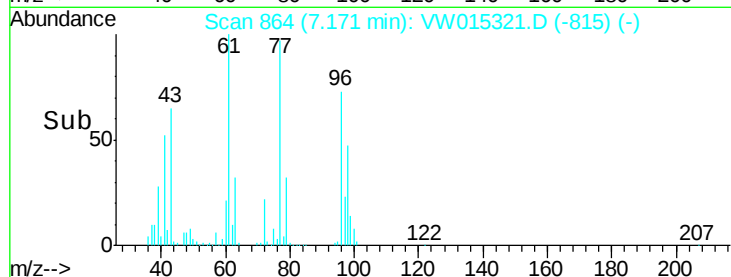
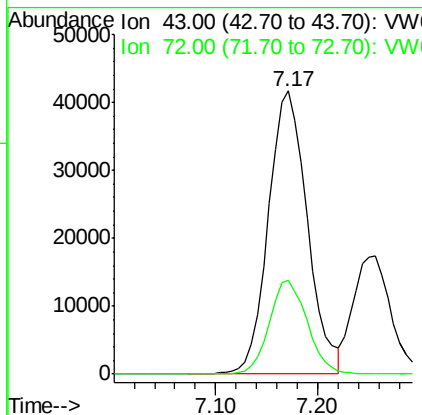
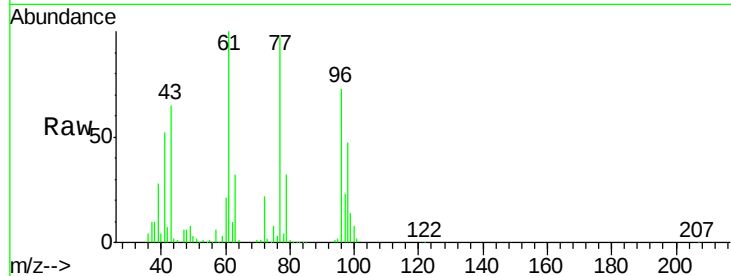
72 33.2 21.6 32.4#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.394 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015321.D

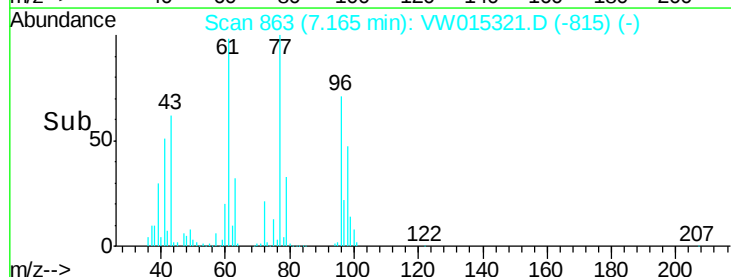
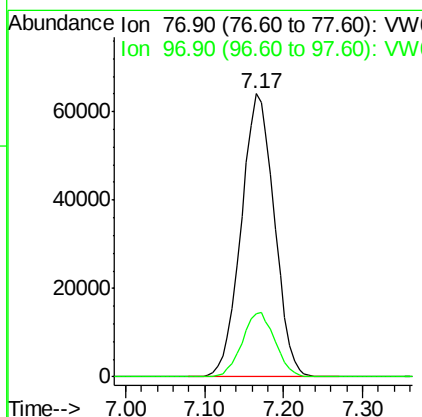
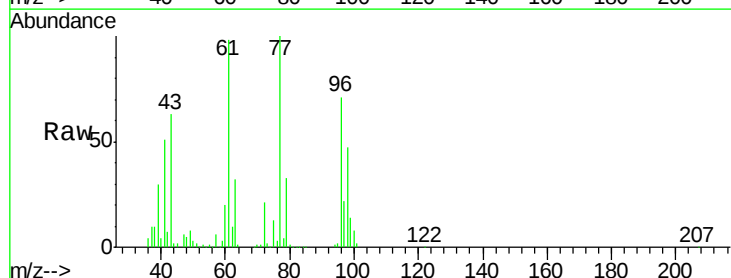
Acq: 23 Apr 2020 10:06

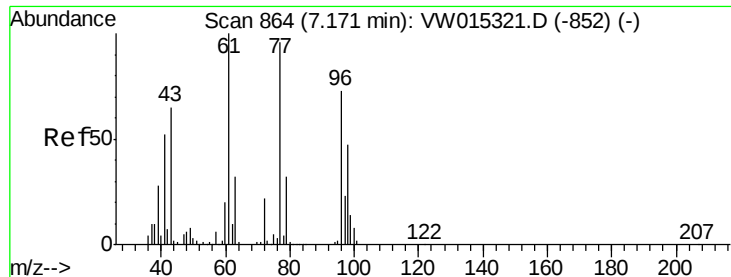
Tgt Ion: 77 Resp: 186805

Ion Ratio Lower Upper

77 100

97 22.5 11.9 35.5





#27

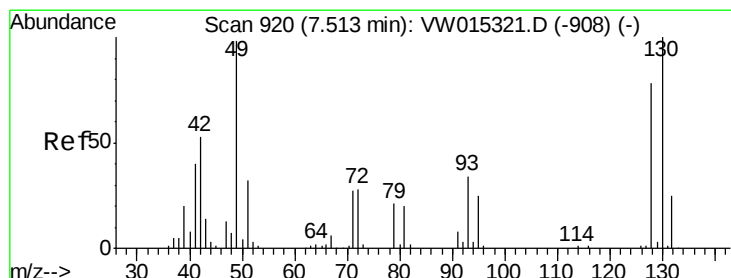
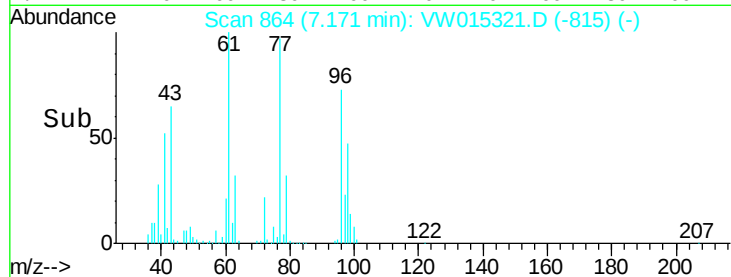
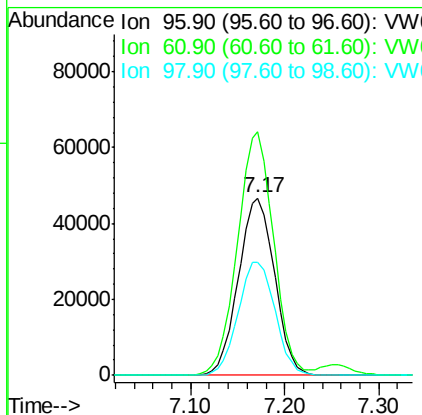
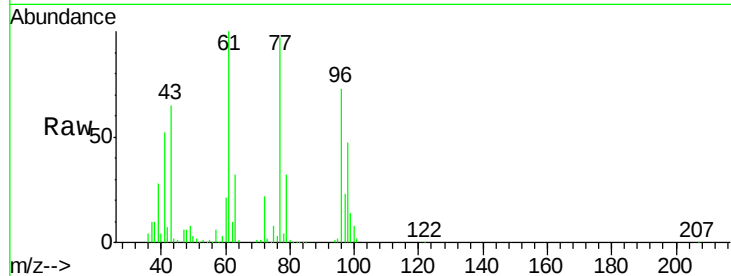
cis-1,2-Dichloroethene
Concen: 48.993 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	275.0
98	65.3	0.0	130.8

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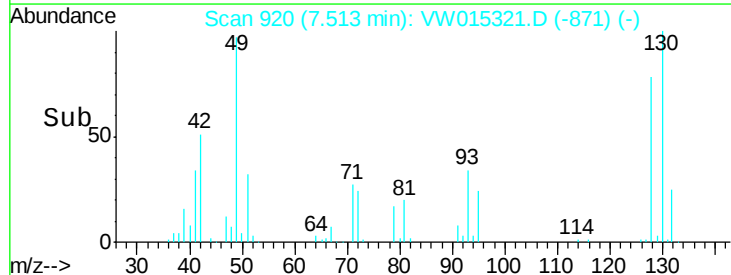
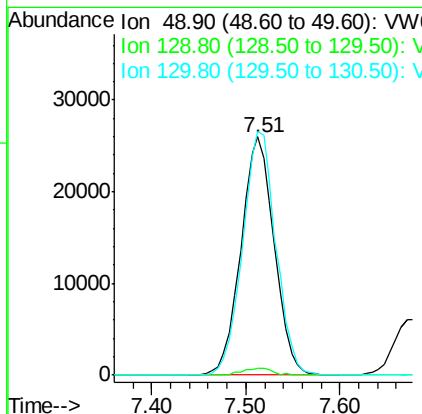
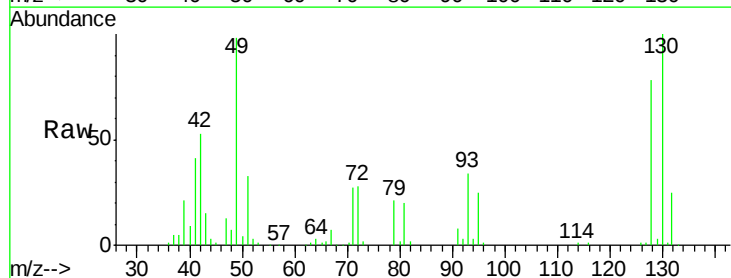
MMDadoda
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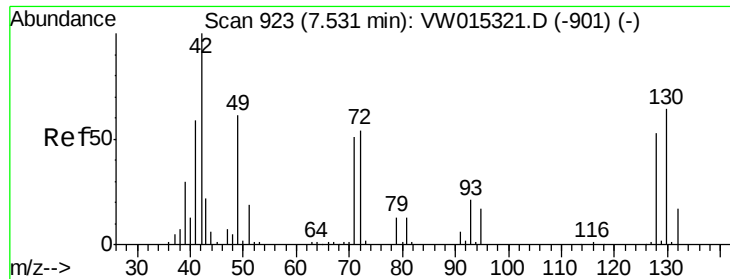


#28

Bromochloromethane
Concen: 48.143 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	102.3	60.9	91.3#





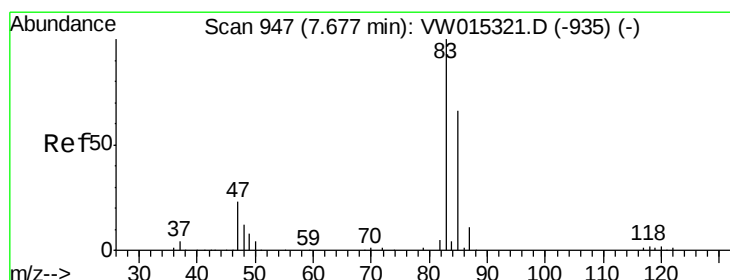
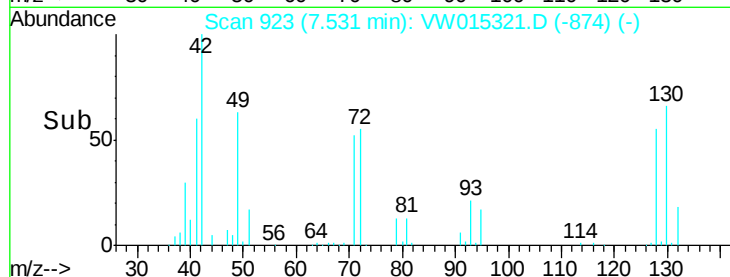
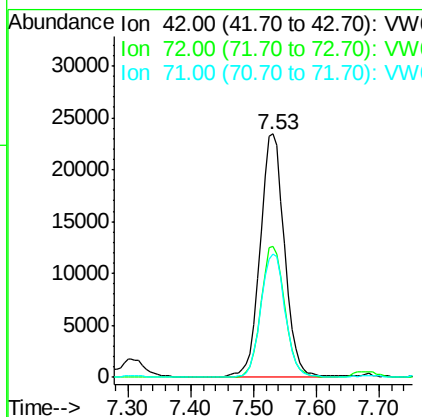
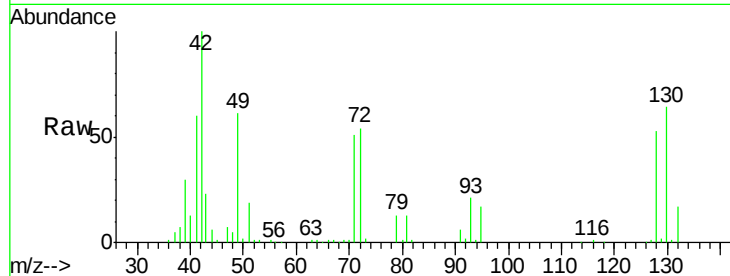
#29
Tetrahydrofuran
Concen: 219.237 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.5	36.2	54.2
71	50.8	34.2	51.4

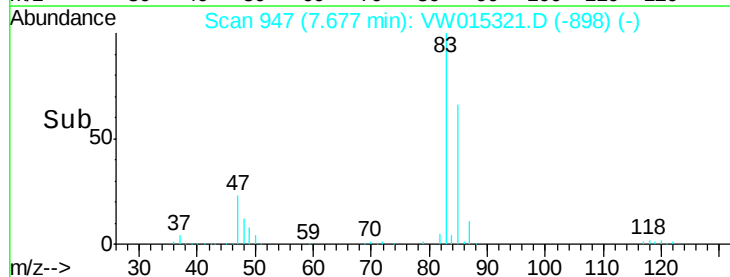
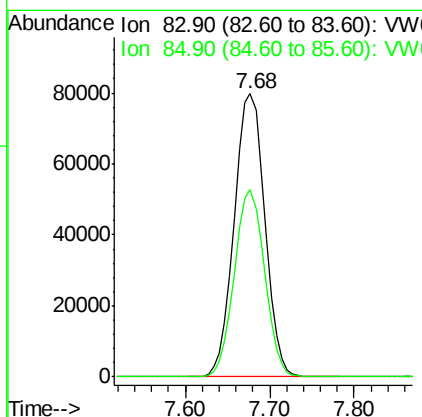
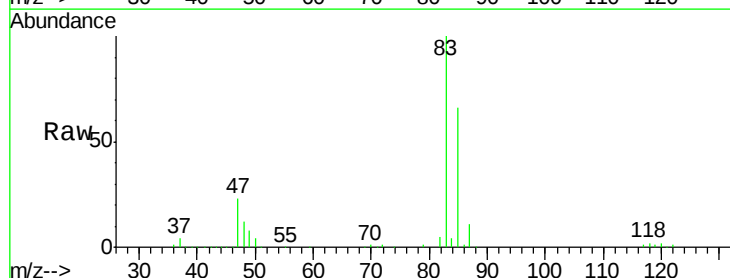
Manual Integrations
APPROVED

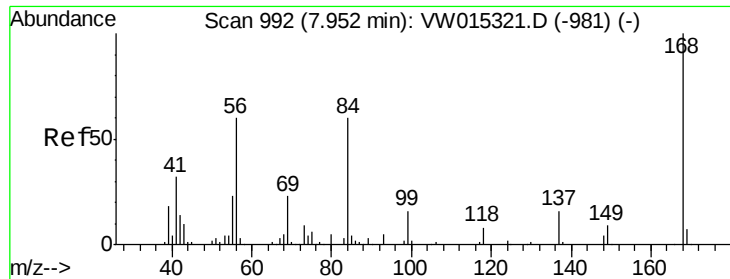
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#30
Chloroform
Concen: 49.465 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.9	76.3





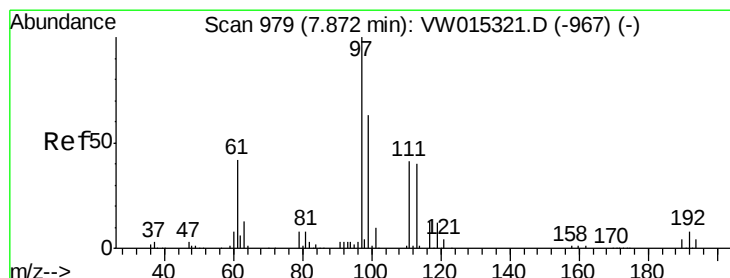
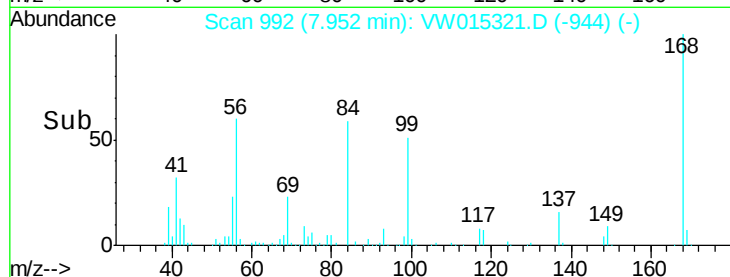
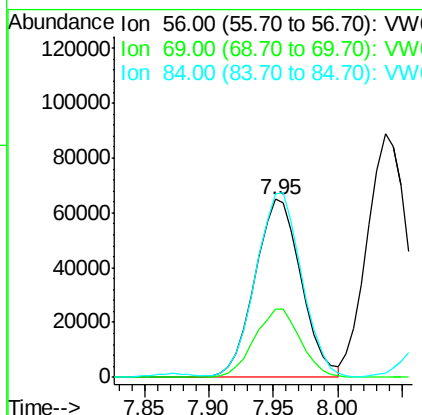
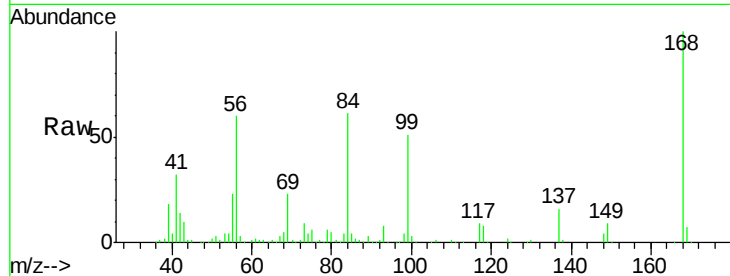
#31
Cyclohexane
Concen: 44.083 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	27.1	40.7
84	101.1	71.9	107.9

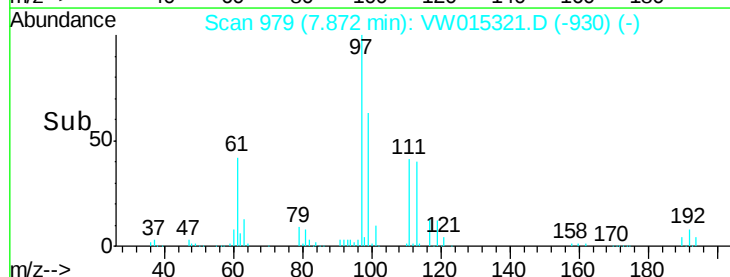
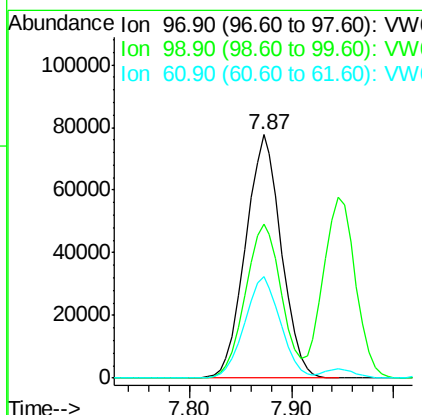
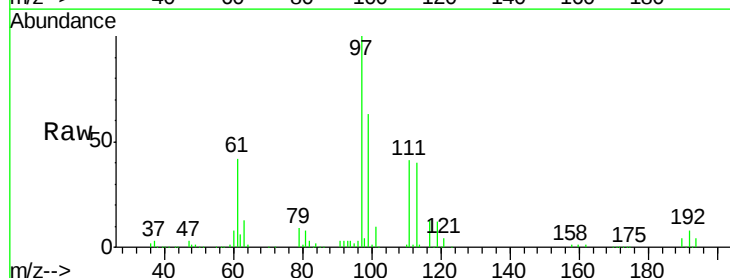
Manual Integrations
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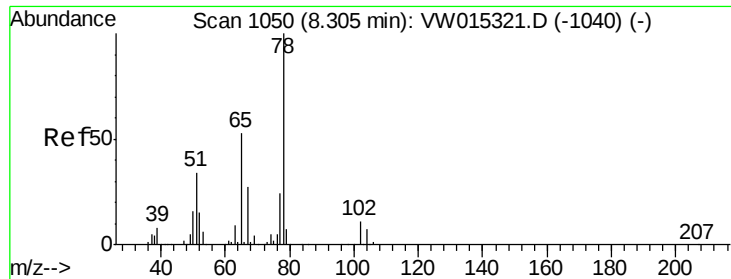
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#32
1,1,1-Trichloroethane
Concen: 49.365 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.2	78.2
61	41.8	34.2	51.2





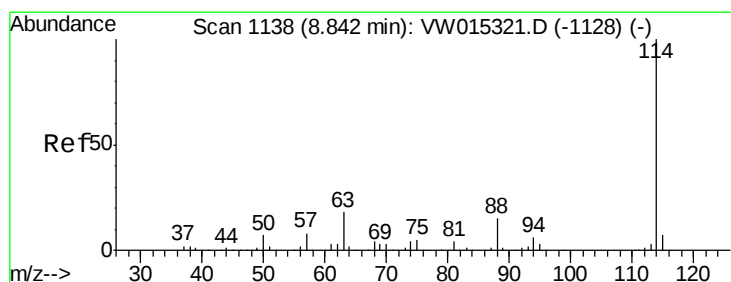
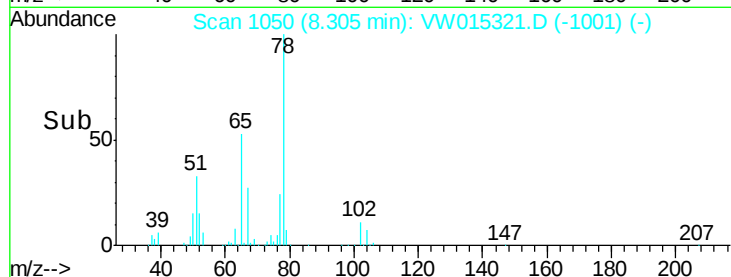
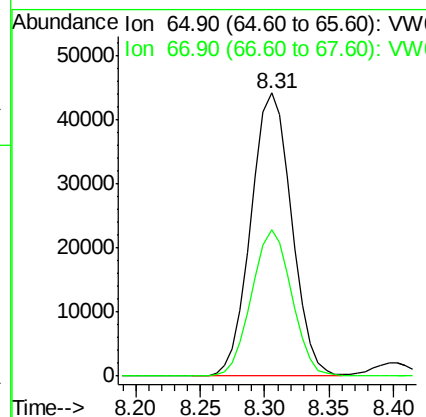
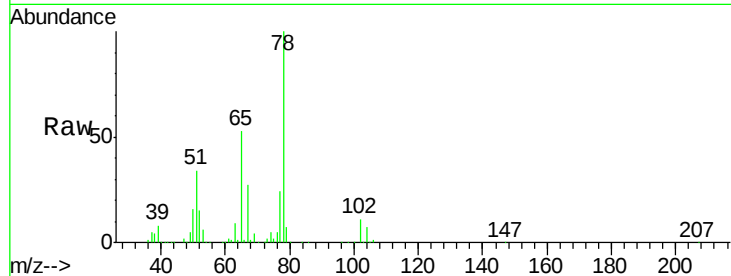
#33
 1,2-Dichloroethane-d4
 Concen: 48.565 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	96859		
67	51.1		0.0	107.0

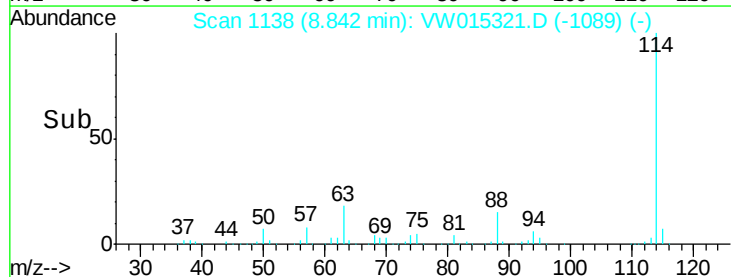
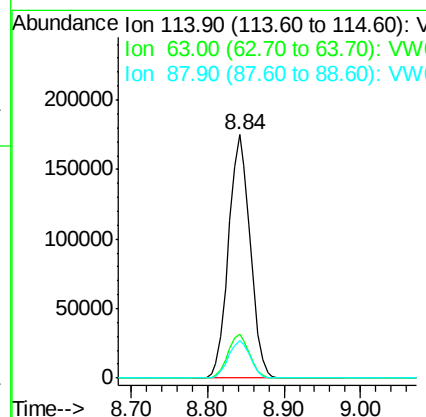
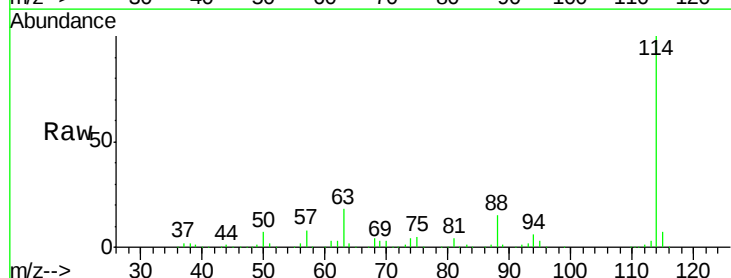
Manual Integrations
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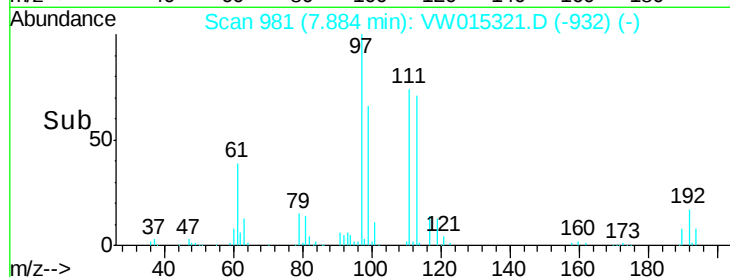
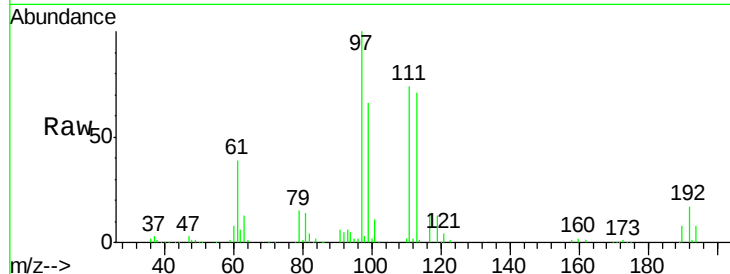
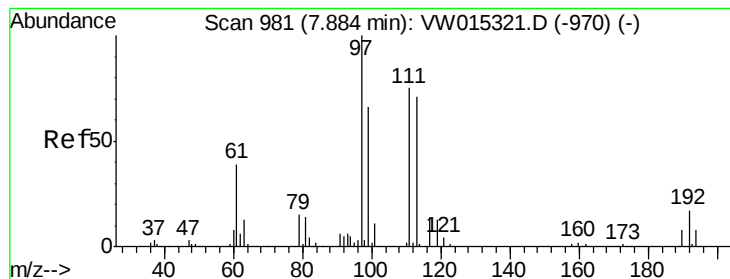
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	340758		
63	18.0		0.0	39.8
88	15.3		0.0	30.2





#35

Dibromofluoromethane

Concen: 52.343 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015321.D

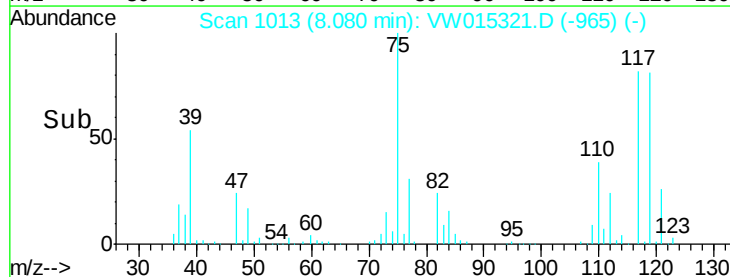
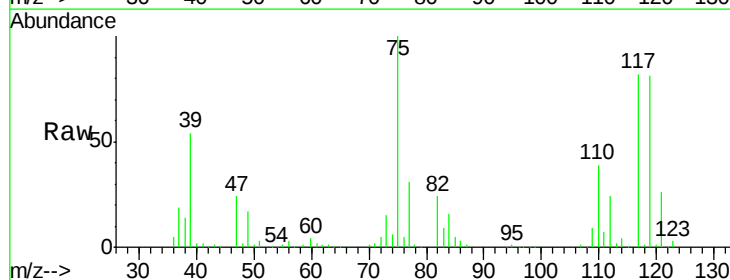
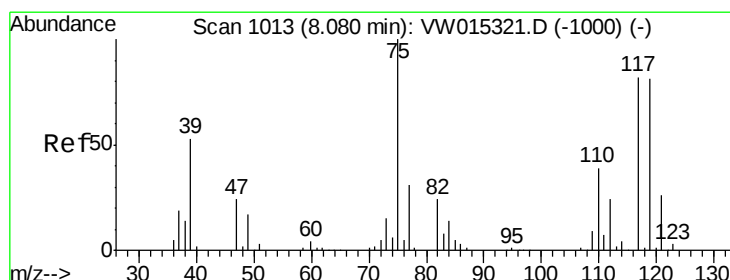
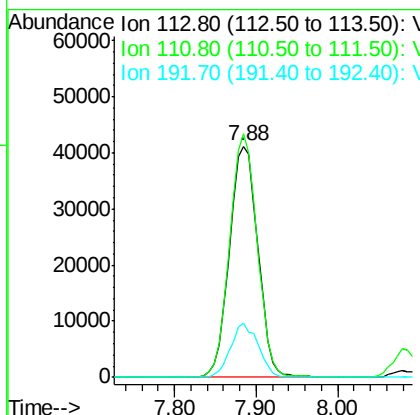
Acq: 23 Apr 2020 10:06

Tot Ion:	113	Resp:	98798
Ion Ratio	Lower	Upper	
113	100		
111	101.9	83.0	124.4
192	22.8	15.1	22.7#

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.844 ug/l

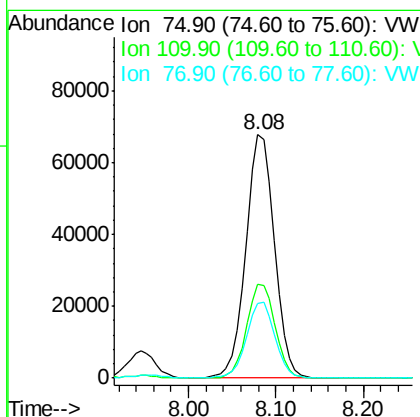
RT: 8.08 min Scan# 1013

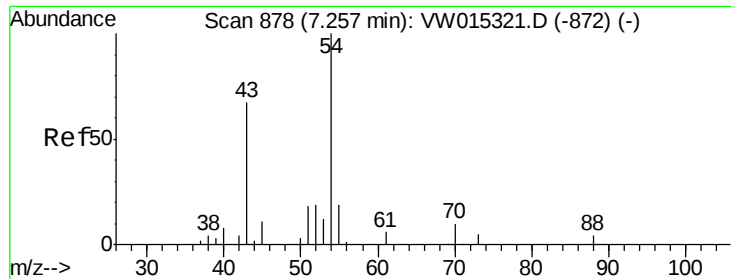
Delta R.T. -0.01 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Tgt Ion:	75	Resp:	153298
Ion Ratio	Lower	Upper	
75	100		
110	38.4	18.2	54.6
77	31.2	24.5	36.7





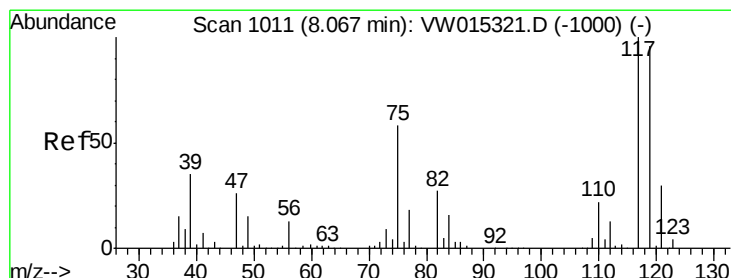
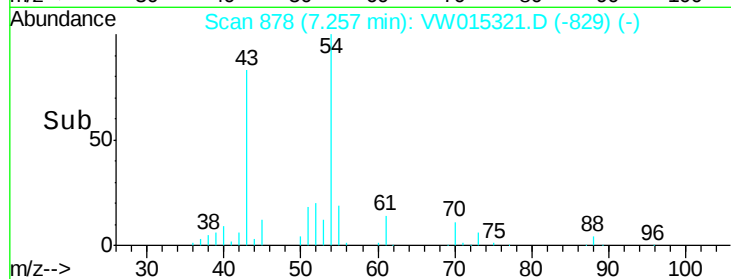
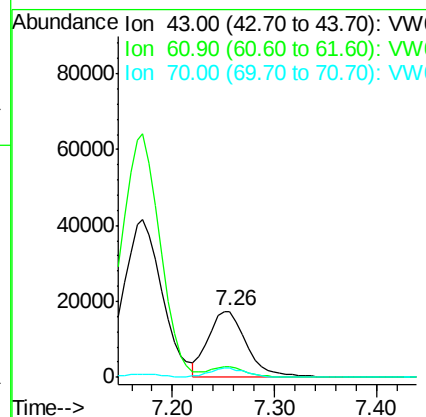
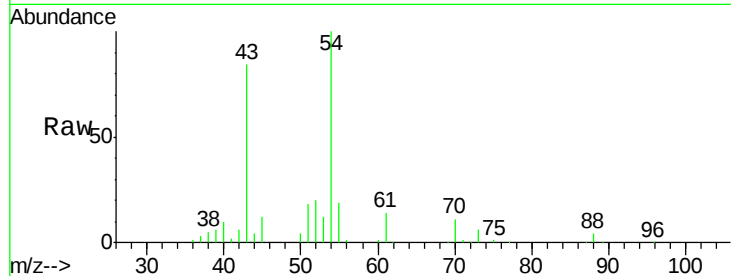
#37
Ethyl Acetate
Concen: 45.031 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.4	11.9	17.9	
70	13.7	8.8	13.2	

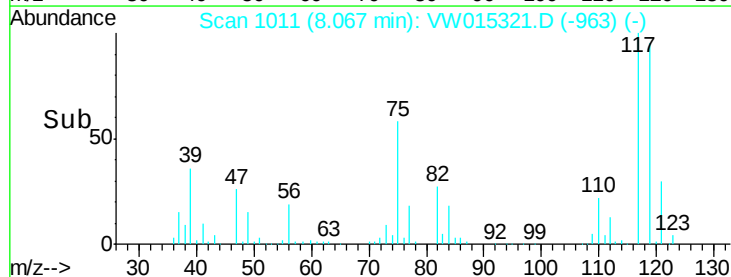
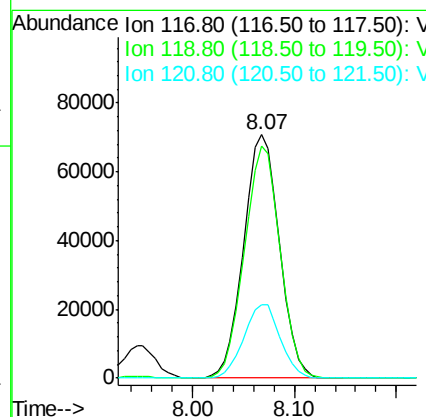
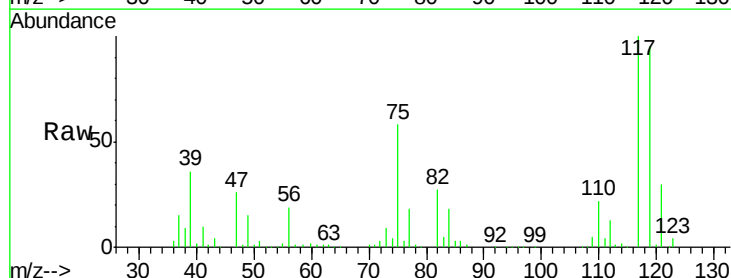
Manual Integrations
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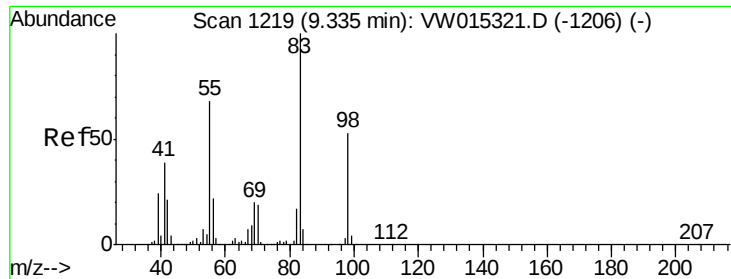
MMDadoda
4/24/2020 1:32:41 PM



#38
Carbon Tetrachloride
Concen: 51.311 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	95.4	72.3	108.5	
121	30.1	23.7	35.5	





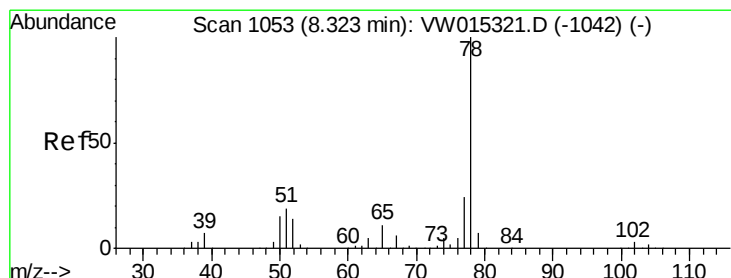
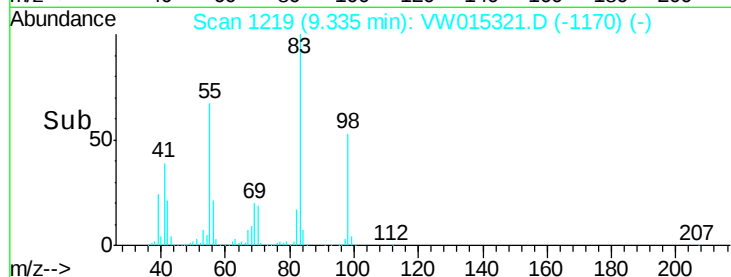
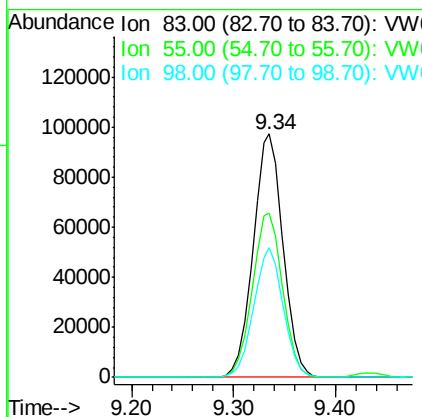
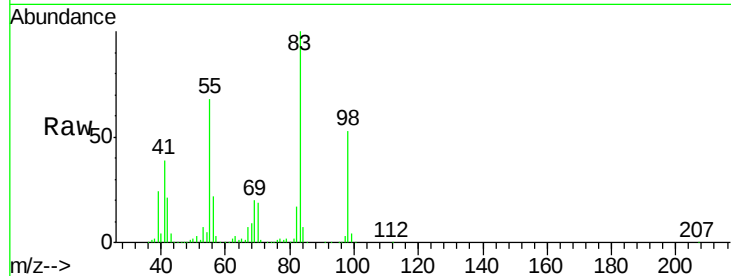
#39
Methvlcvclohexane
Concen: 48.331 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	58.1	87.1
98	53.2	40.2	60.4

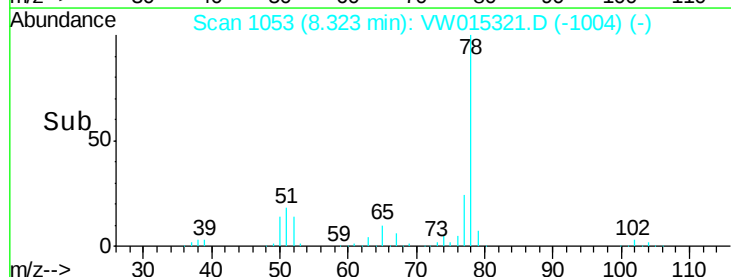
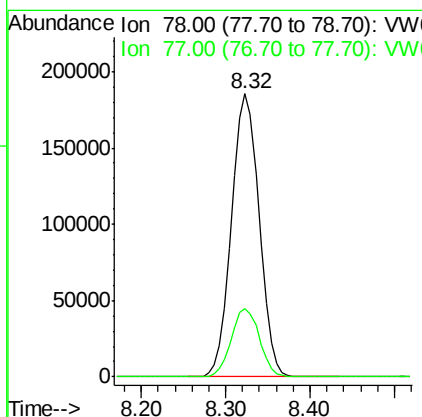
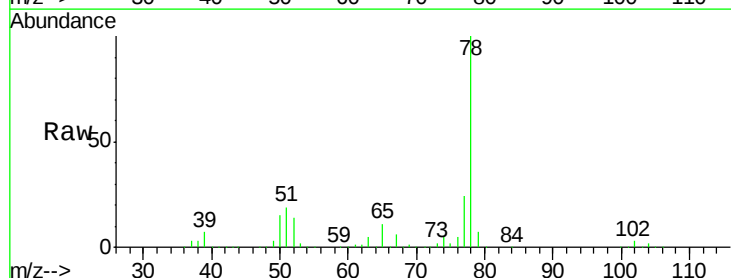
Manual Integrations
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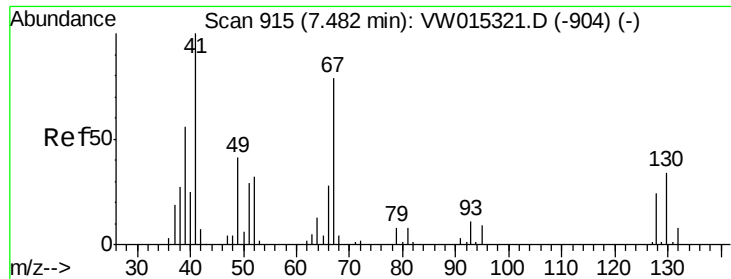
MMDadoda
4/24/2020 1:32:41 PM



#40
Benzene
Concen: 50.063 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.2	27.2





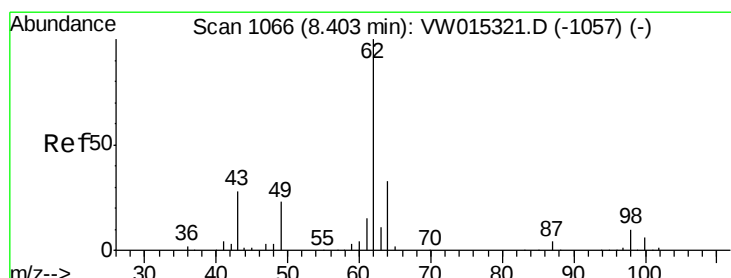
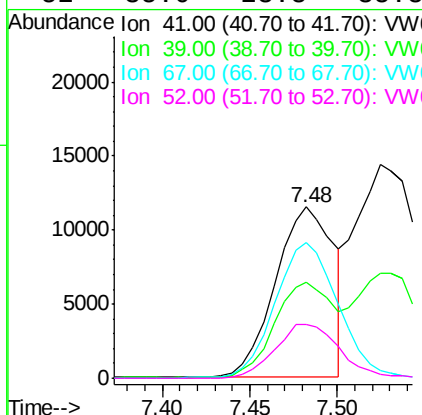
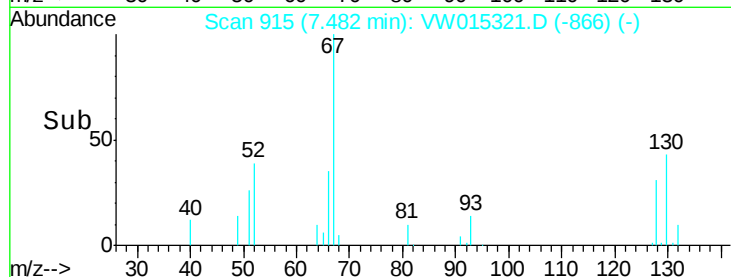
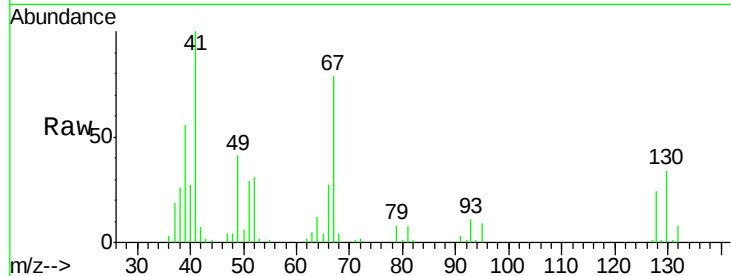
#41
Methacrylonitrile
Concen: 44.545 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.0	41.9	62.9
67	86.7	60.6	91.0
52	35.0	23.8	35.8

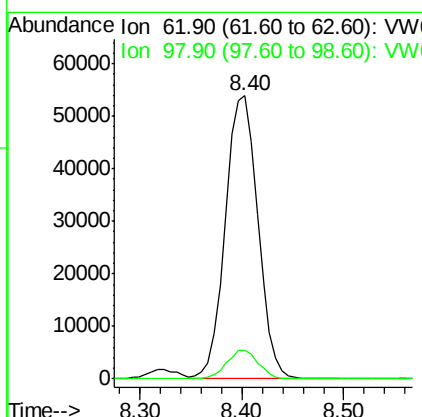
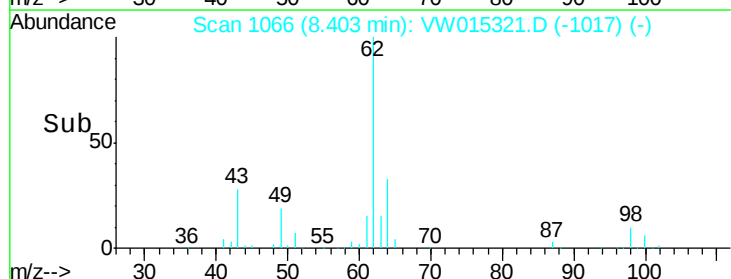
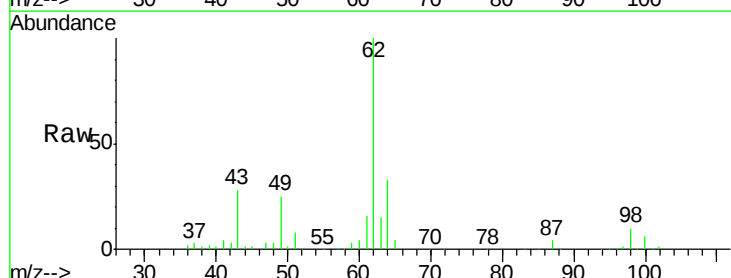
Manual Integrations
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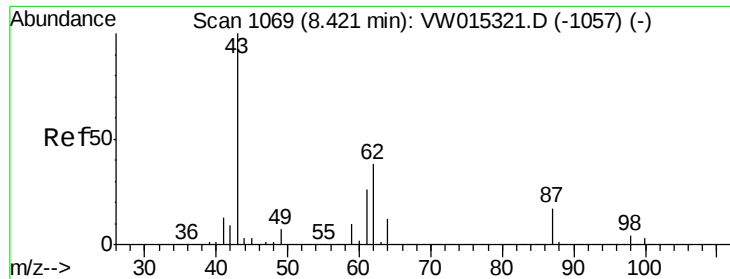
MMDadoda
4/24/2020 1:32:41 PM



#42
1,2-Dichloroethane
Concen: 49.280 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4





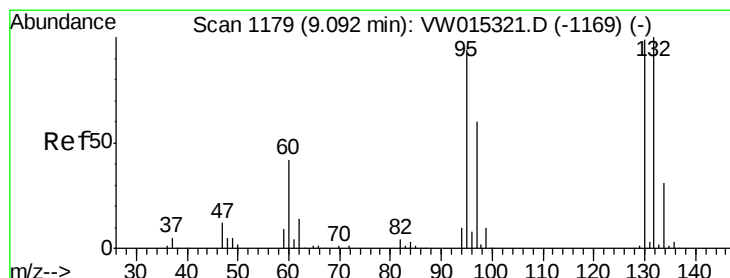
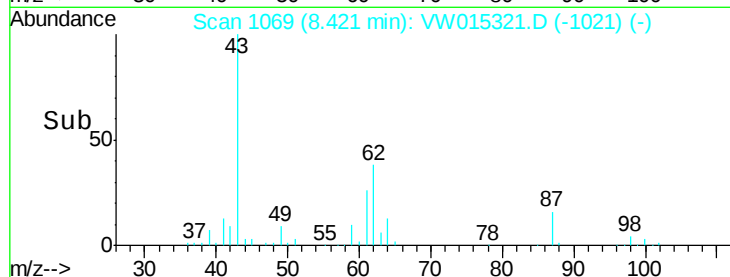
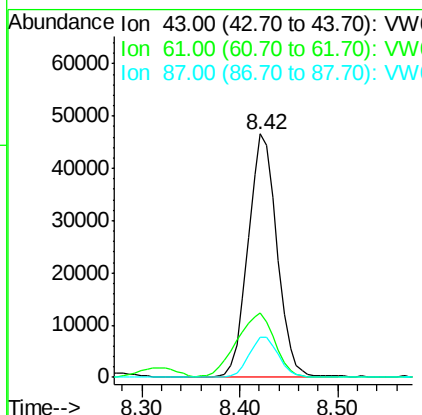
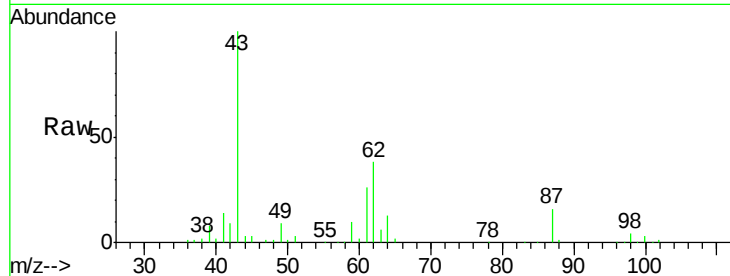
#43
Isopropyl Acetate
Concen: 45.201 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.1	24.8	37.2
87	16.9	11.4	17.2

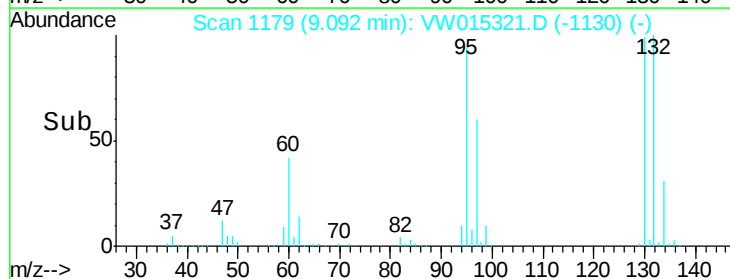
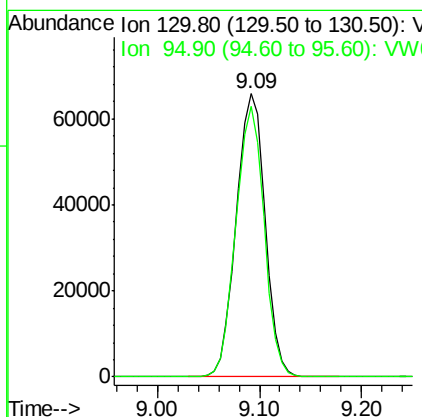
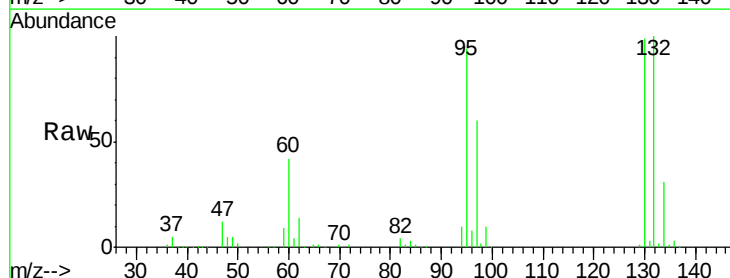
Manual Integrations
APPROVED

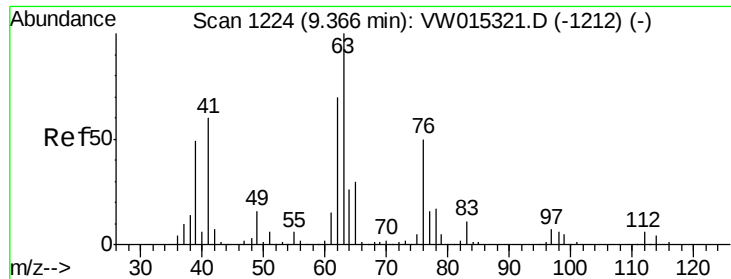
MMDadoda
4/24/2020 1:32:41 PM



#44
Trichloroethene
Concen: 51.453 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	196.4





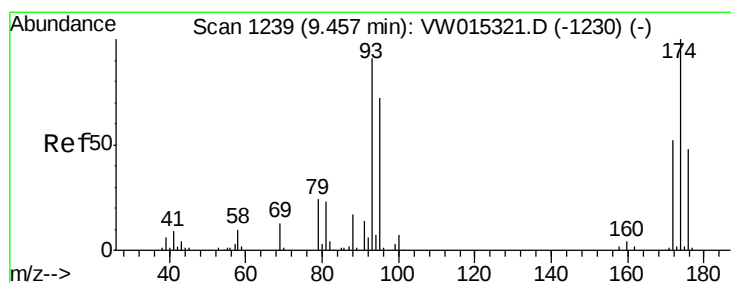
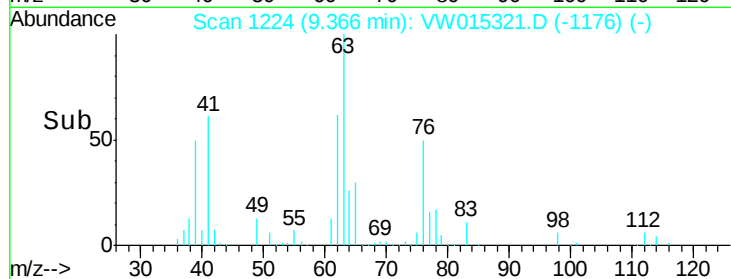
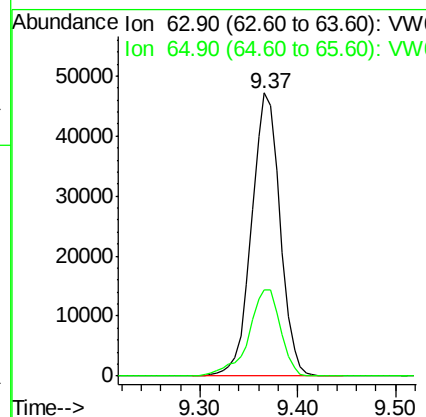
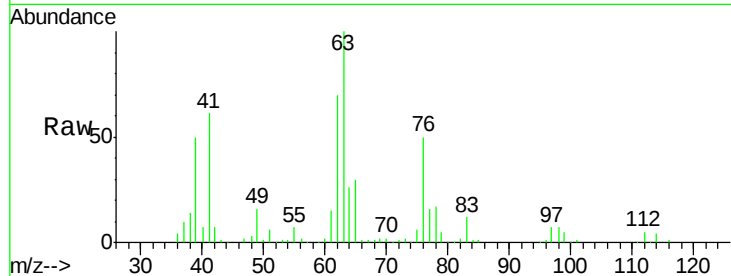
#45
 1,2-Dichloropropane
 Concen: 49.718 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 94988
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.5 38.3

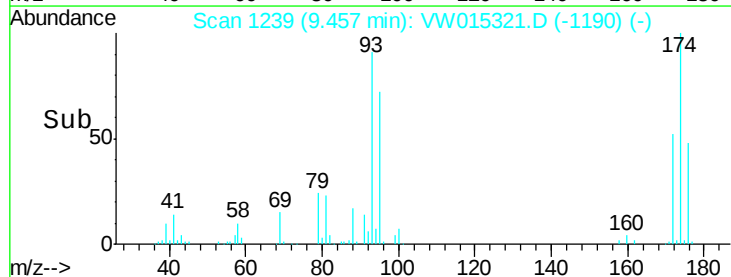
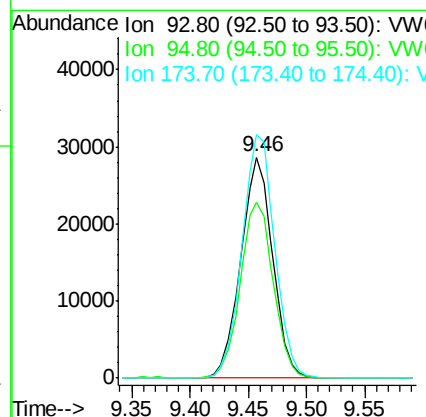
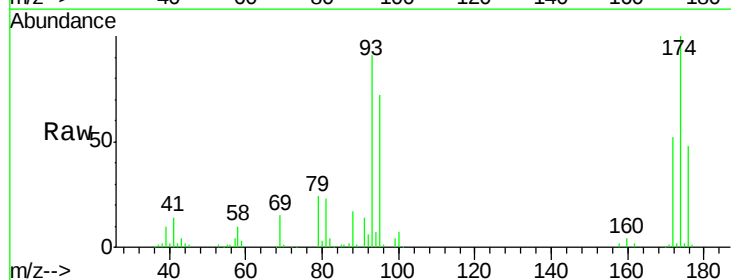
Manual Integrations
 APPROVED

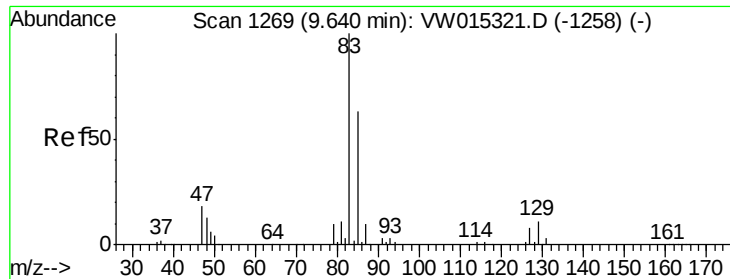
MMDadoda
 4/24/2020 1:32:41 PM



#46
 Dibromomethane
 Concen: 49.521 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Tgt Ion: 93 Resp: 54729
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.5 101.3
 174 113.2 74.1 111.1#





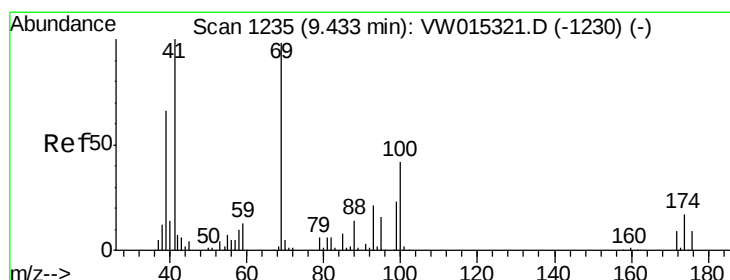
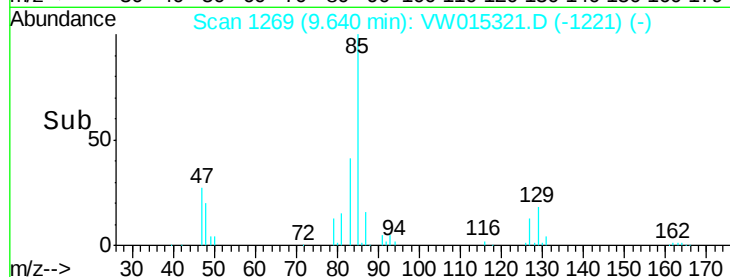
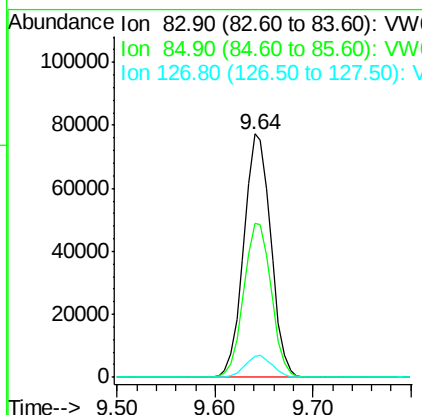
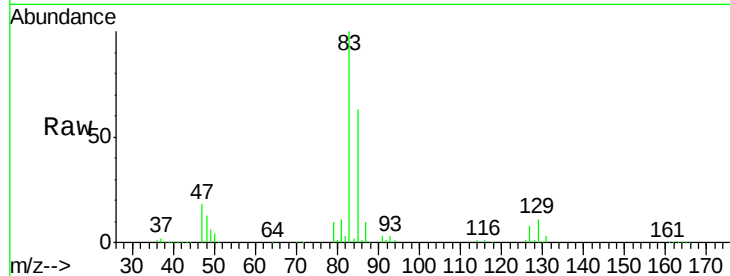
#47
Bromodichloromethane
Concen: 50.104 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.3	50.6	76.0	
127	8.4	6.7	10.1	

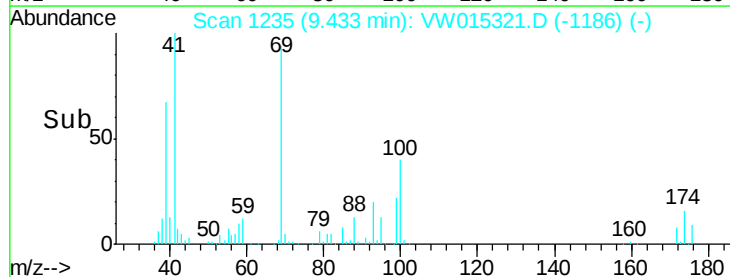
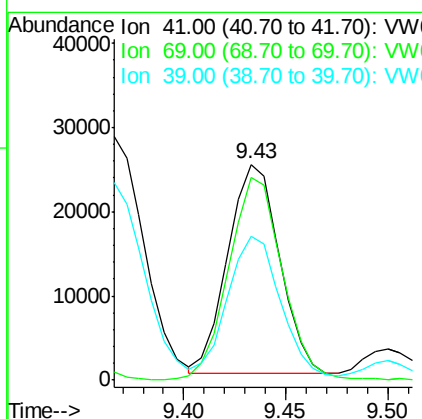
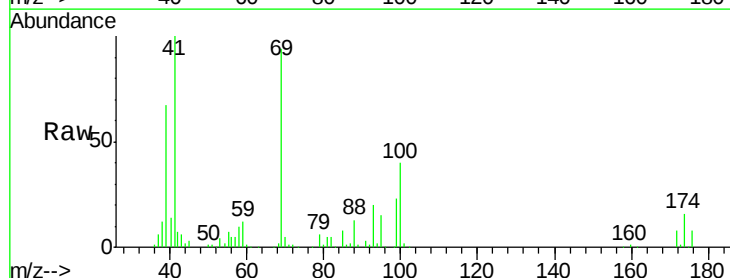
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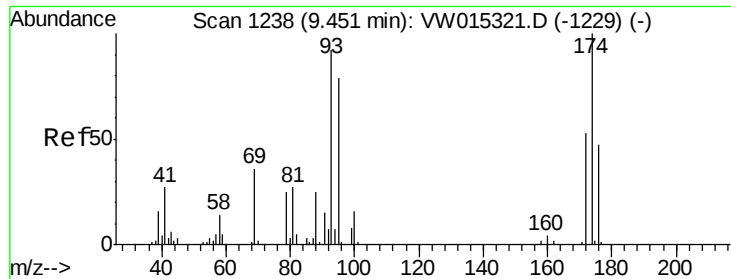
MMDadoda
4/24/2020 1:32:41 PM



#48
Methyl methacrylate
Concen: 44.262 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	101.4	70.6	105.8	
39	67.3	42.6	64.0	





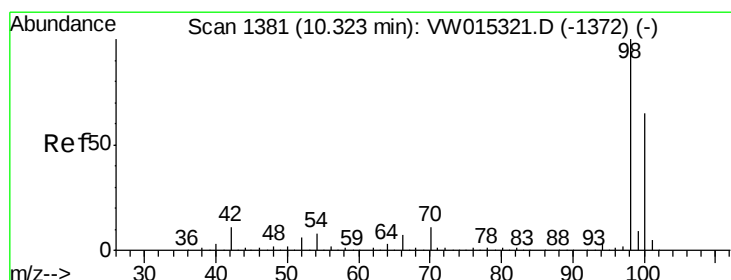
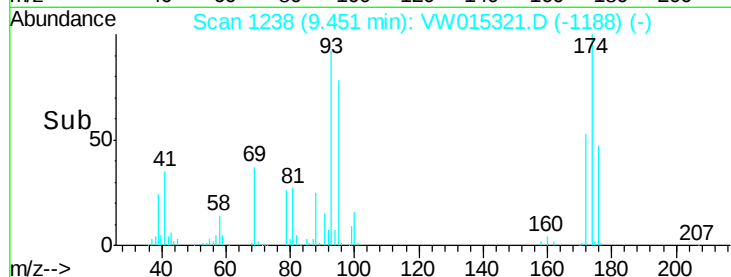
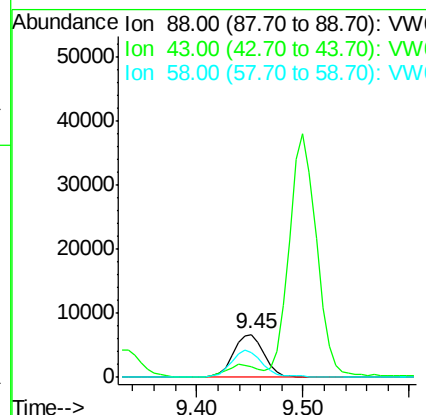
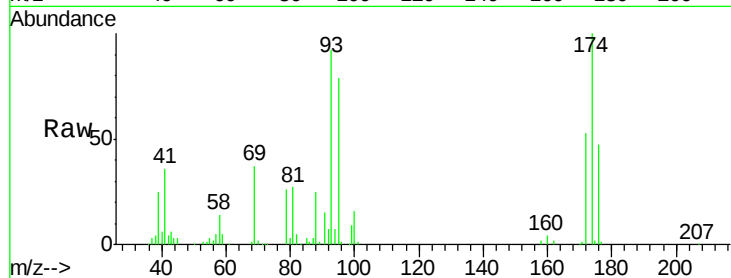
#49
1,4-Dioxane
Concen: 927.697 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	13668
Ion Ratio	Lower	Upper	
88	100		
43	29.6	23.5	35.3
58	65.2	55.4	83.2

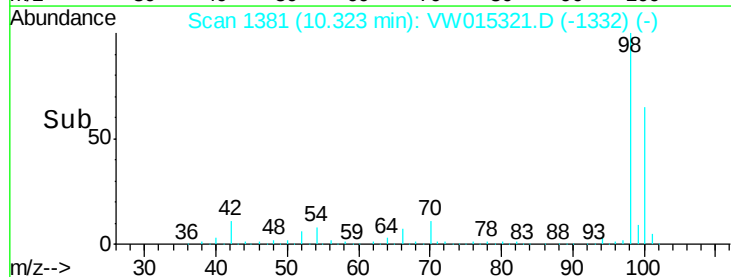
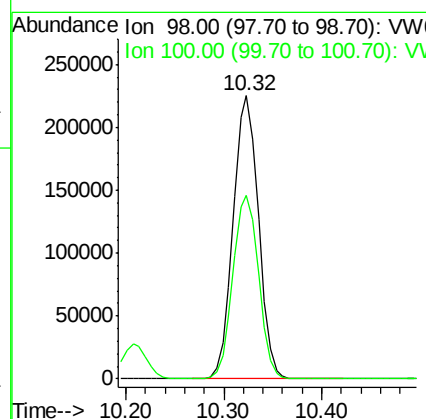
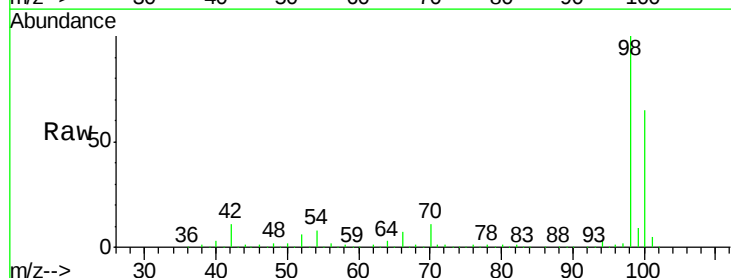
Manual Integrations
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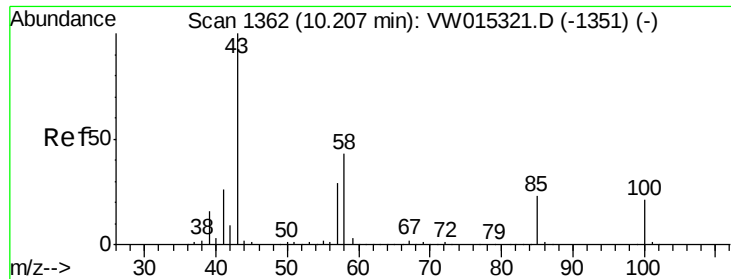
MMDadoda
4/24/2020 1:32:41 PM



#50
Toluene-d8
Concen: 50.855 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	98	Resp	403804
Ion Ratio	Lower	Upper	
98	100		
100	65.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 226.128 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 222221

Ion Ratio Lower Upper

43 100

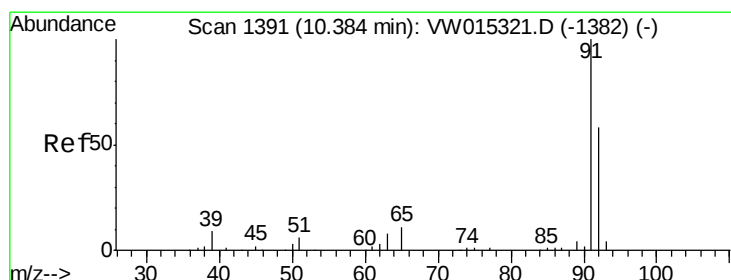
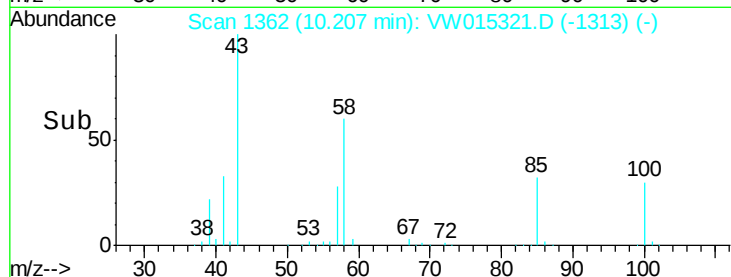
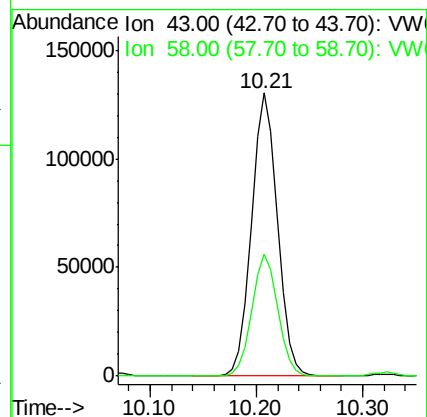
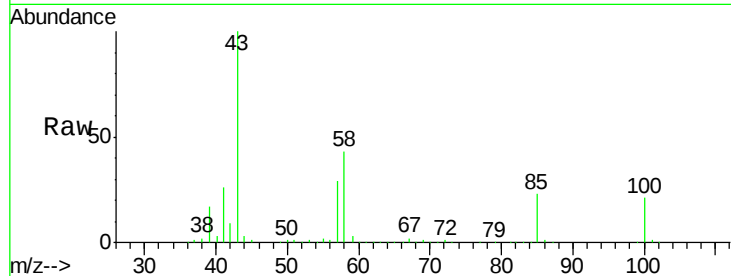
58 43.2 32.3 48.5

Manual Integrations

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4/24/2020 1:32:41 PM



#52

Toluene

Concen: 50.548 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015321.D

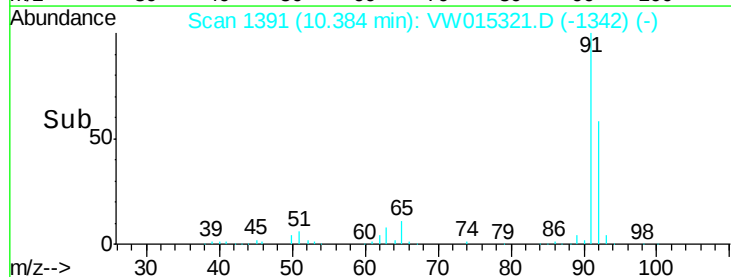
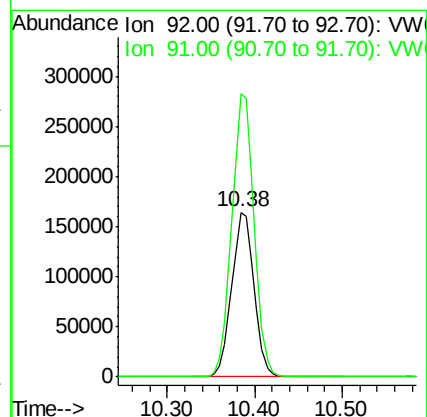
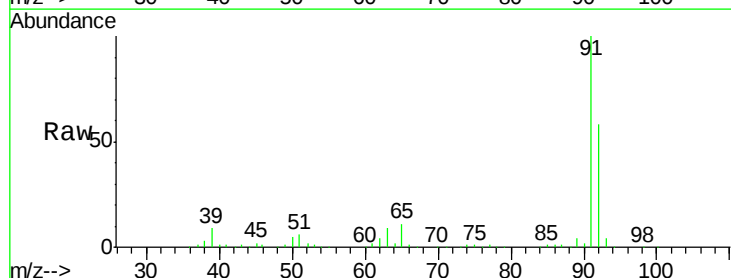
Acq: 23 Apr 2020 10:06

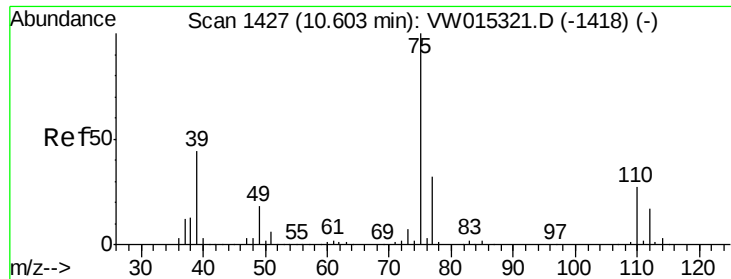
Tgt Ion: 92 Resp: 290637

Ion Ratio Lower Upper

92 100

91 172.1 137.1 205.7





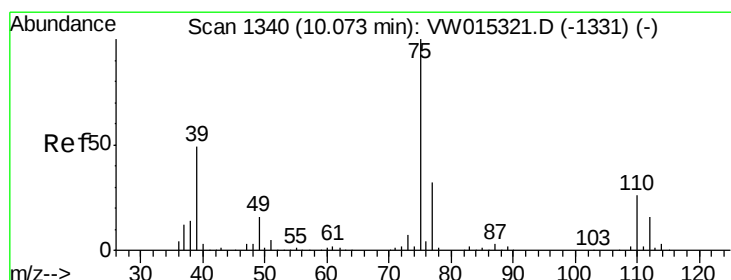
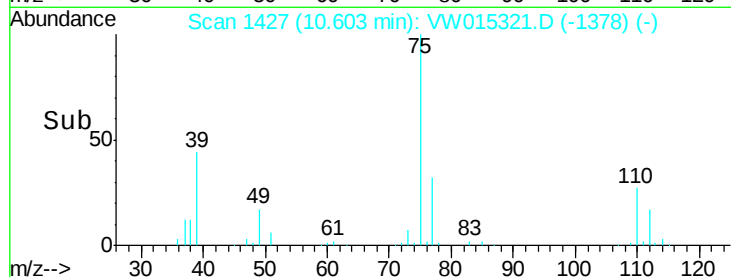
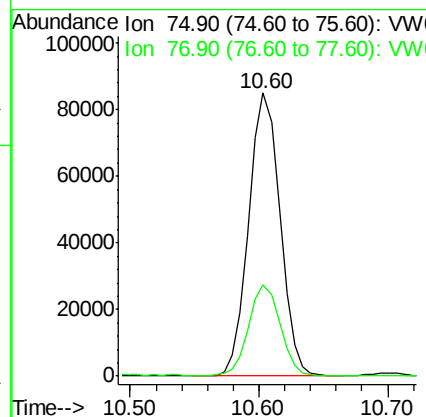
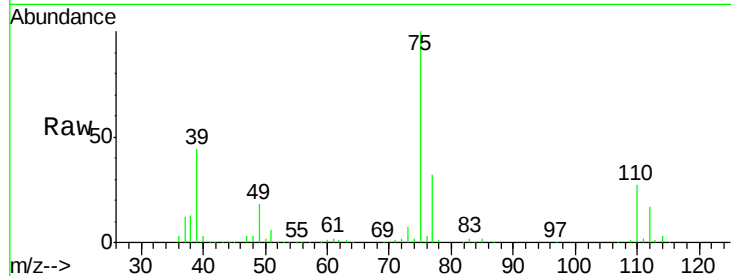
#53
t-1,3-Dichloropropene
Concen: 49.196 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 143315
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3

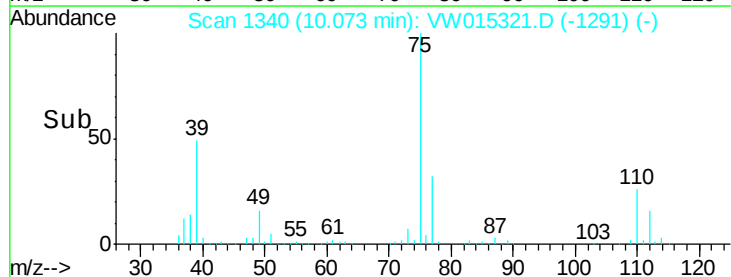
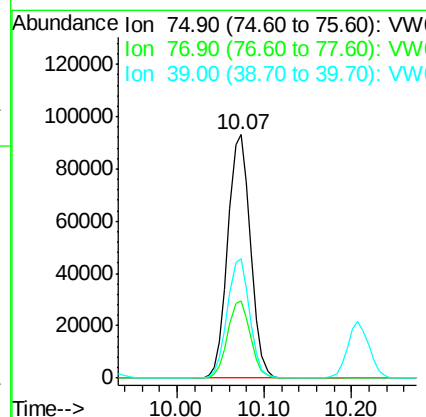
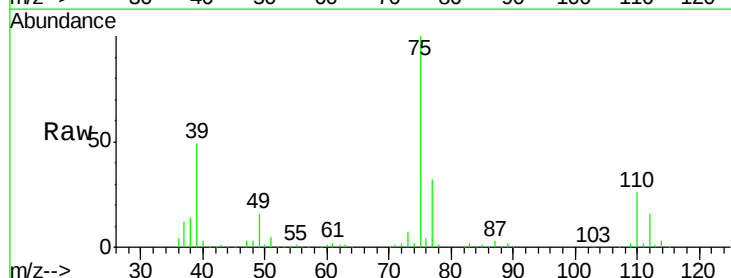
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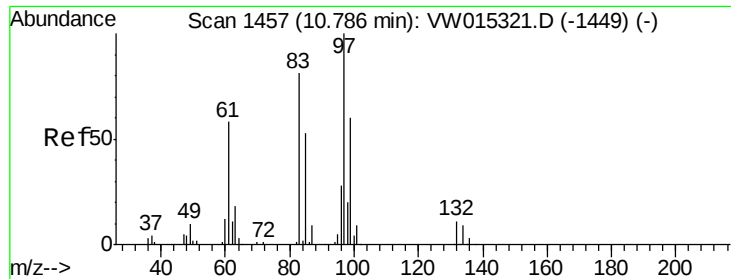
MMDadoda
4/24/2020 1:32:41 PM



#54
cis-1,3-Dichloropropene
Concen: 49.579 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion: 75 Resp: 167877
Ion Ratio Lower Upper
75 100
77 31.7 26.6 39.8
39 48.9 37.8 56.6





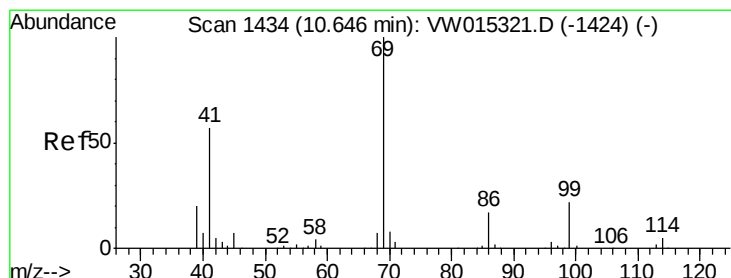
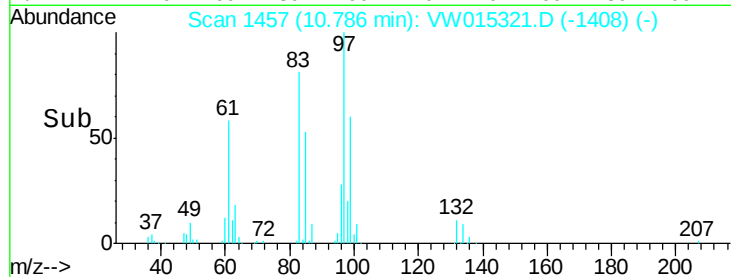
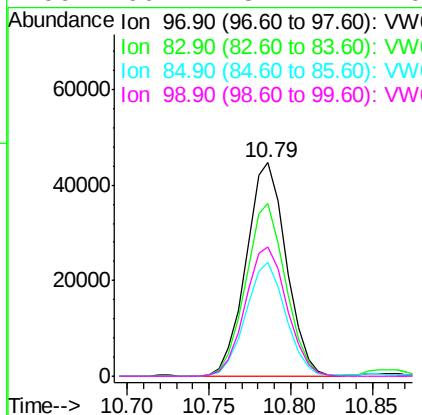
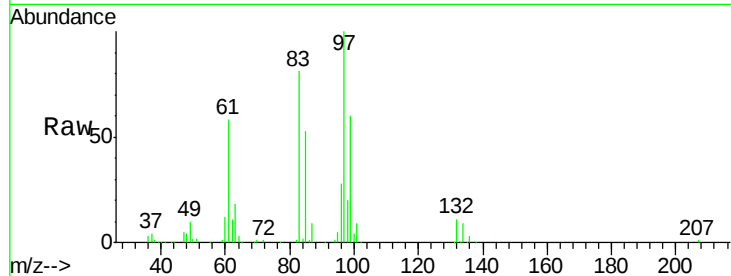
#55
 1,1,2-Trichloroethane
 Concen: 49.279 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	76261
Ion	Ratio	Lower	Upper
97	100		
83	80.8	67.3	100.9
85	53.2	43.8	65.8
99	60.4	51.4	77.0

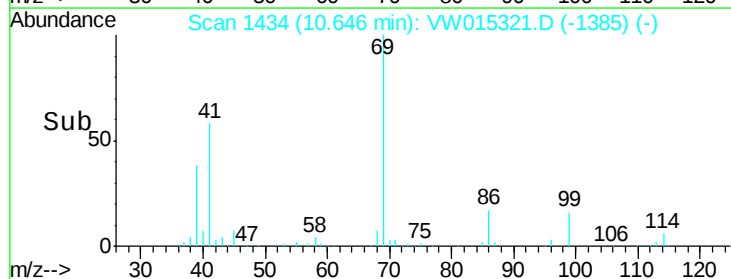
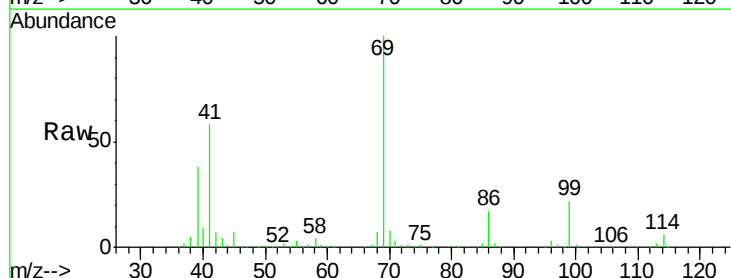
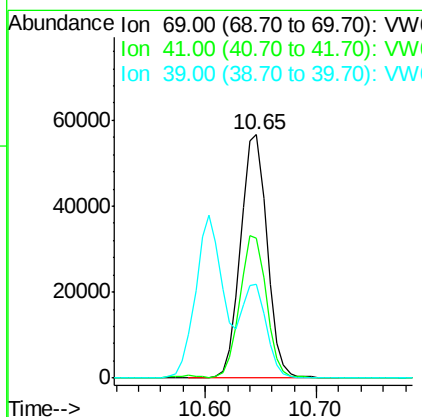
Manual Integrations
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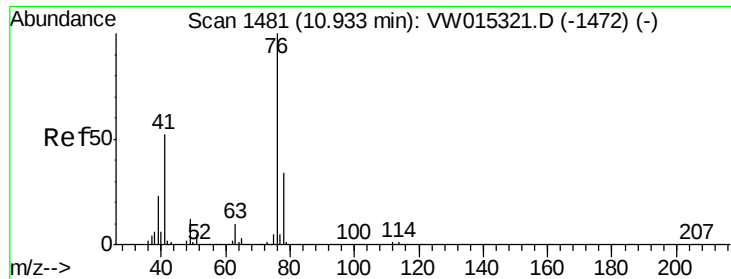
MMDadoda
 4/24/2020 1:32:41 PM



#56
 Ethyl methacrylate
 Concen: 47.113 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Tgt Ion:	69	Resp:	93926
Ion	Ratio	Lower	Upper
69	100		
41	57.8	51.3	76.9
39	34.1	24.6	37.0





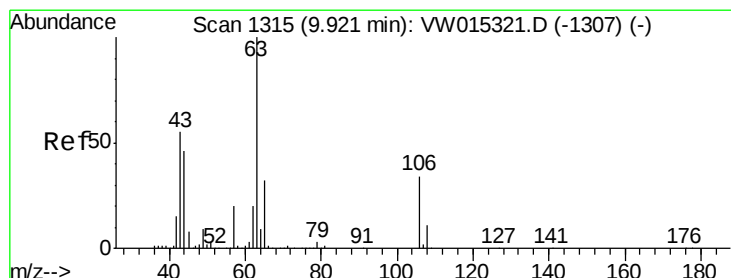
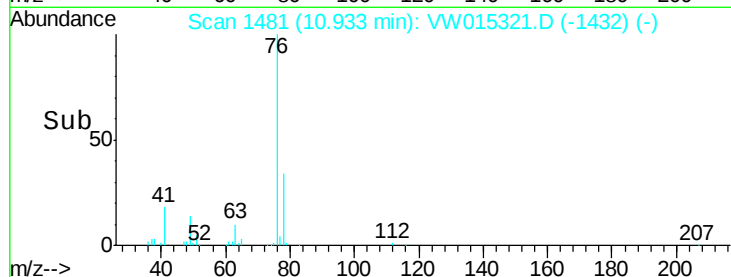
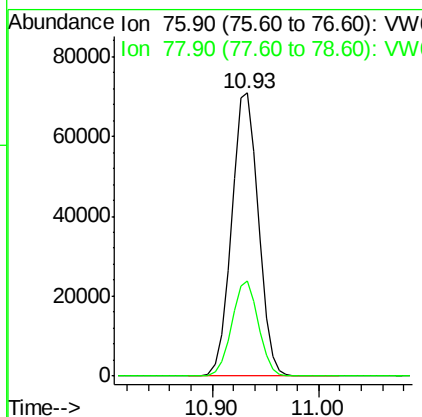
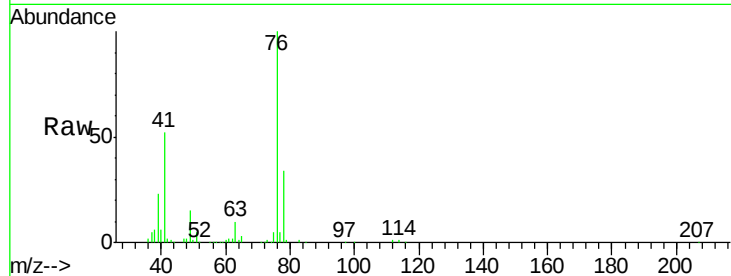
#57
 1,3-Dichloropropane
 Concen: 48.889 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.2	39.4

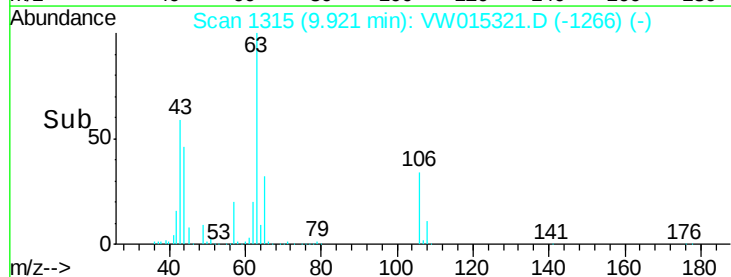
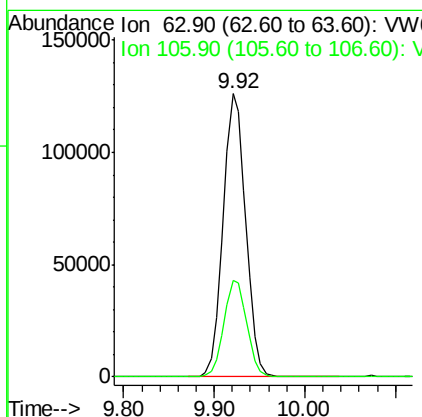
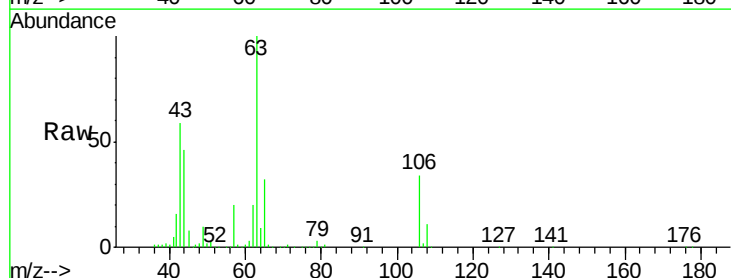
Manual Integrations
 APPROVED

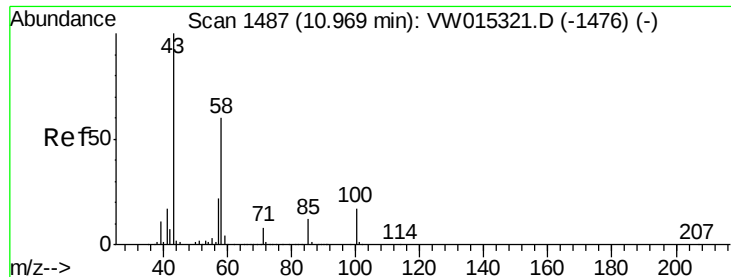
MMDadoda
 4/24/2020 1:32:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.118 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.4	22.6	33.8#





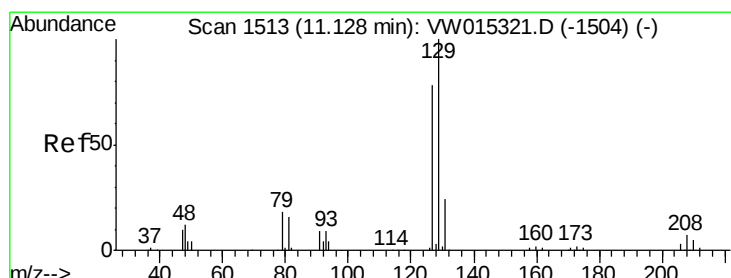
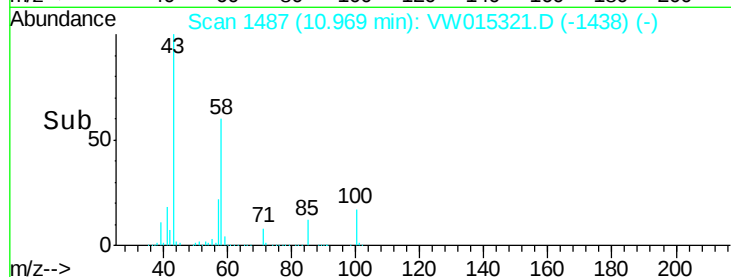
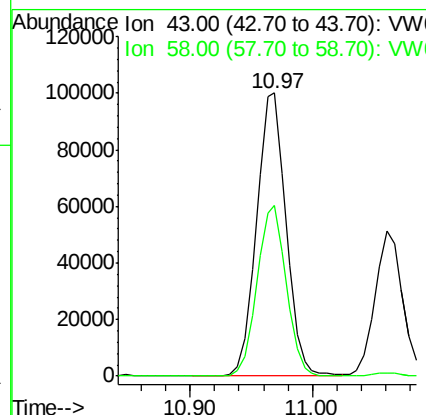
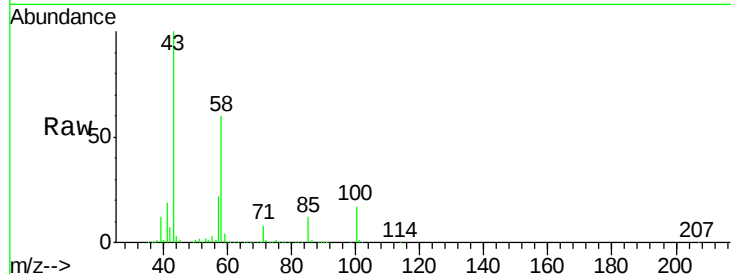
#59
2-Hexanone
Concen: 240.233 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 168524
Ion Ratio Lower Upper
43 100
58 59.5 28.1 84.3

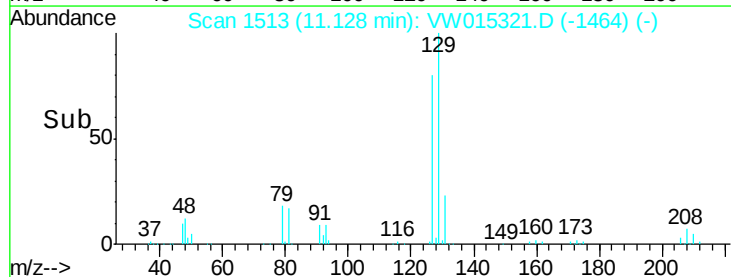
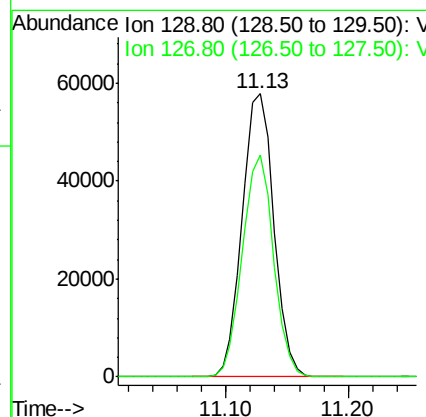
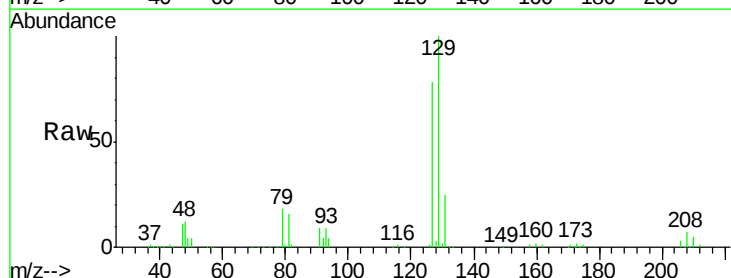
Manual Integrations
APPROVED

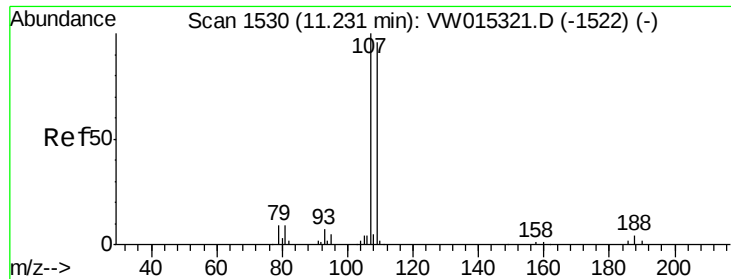
MMDadoda
4/24/2020 1:32:41 PM



#60
Dibromochloromethane
Concen: 50.971 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion: 129 Resp: 104149
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





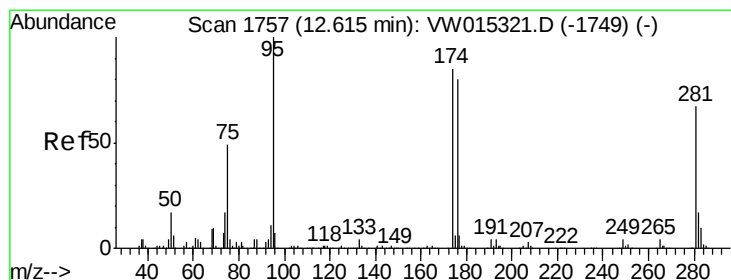
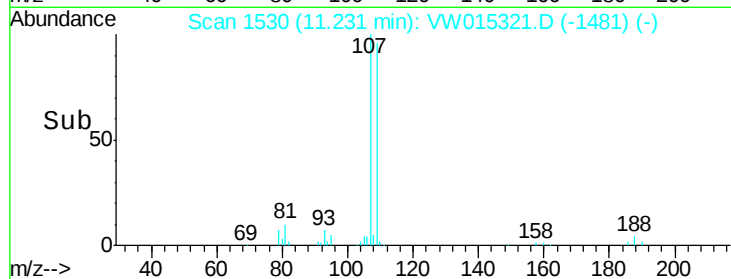
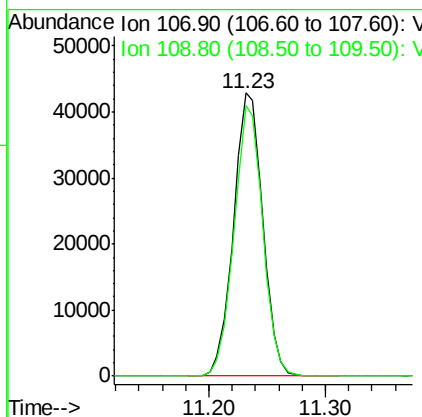
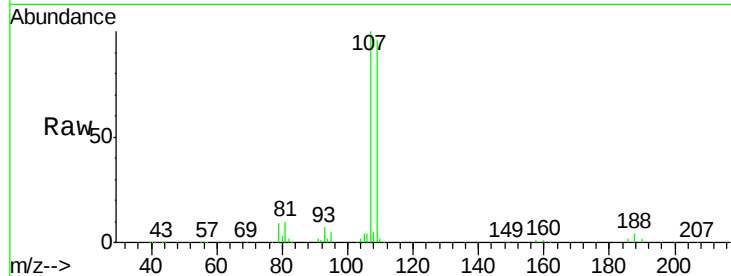
#61
 1,2-Dibromoethane
 Concen: 49.589 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.3	111.5

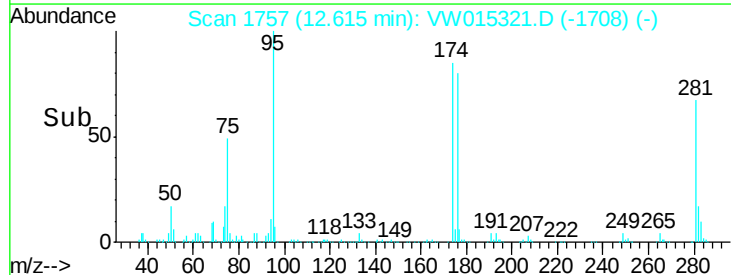
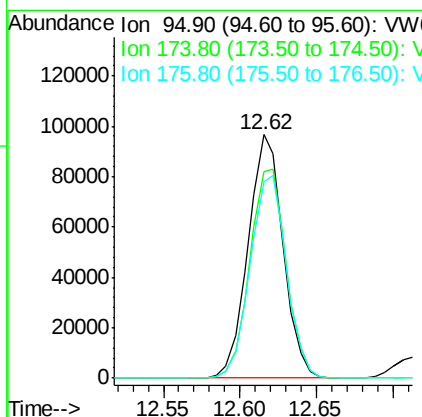
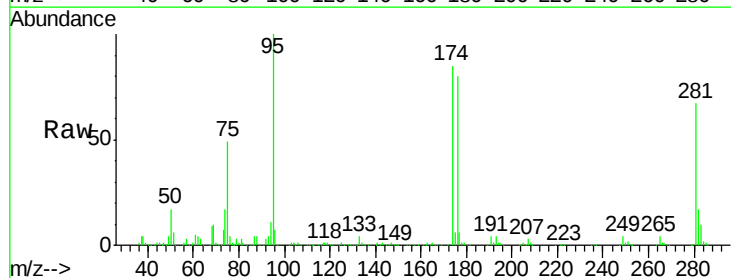
Manual Integrations
 APPROVED

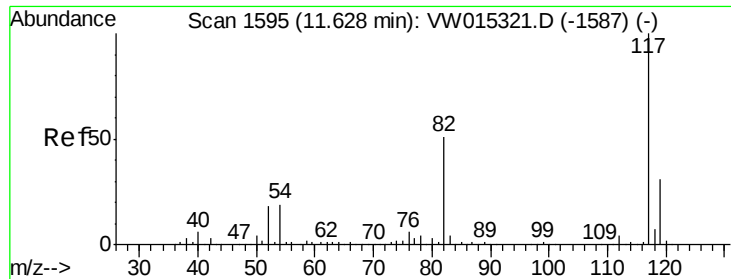
MMDadoda
 4/24/2020 1:32:41 PM



#62
 4-Bromofluorobenzene
 Concen: 50.641 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	144.4
176	86.3	0.0	140.6





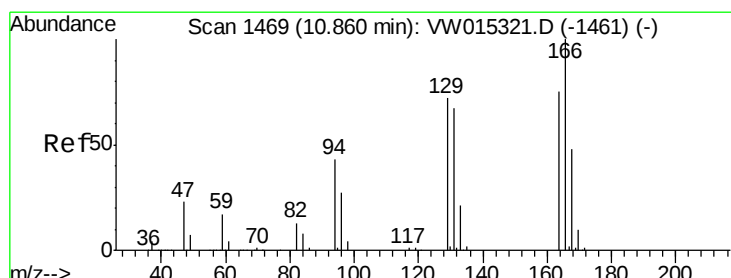
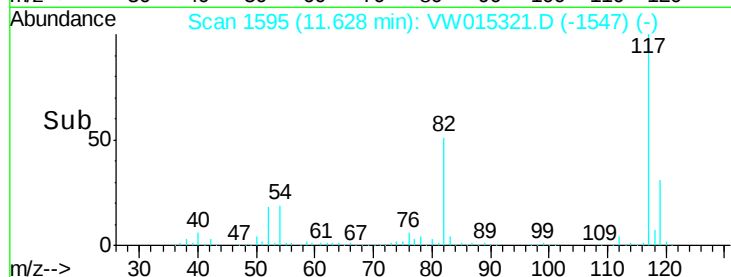
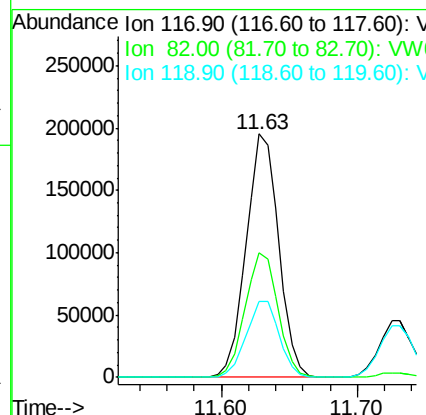
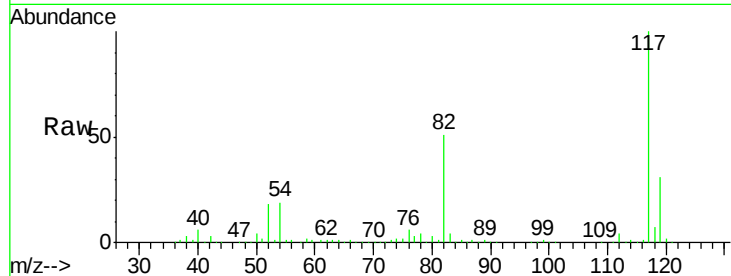
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	44.1	66.1
119	31.0	24.9	37.3

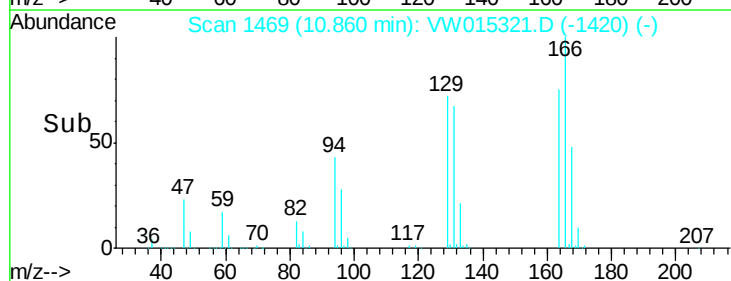
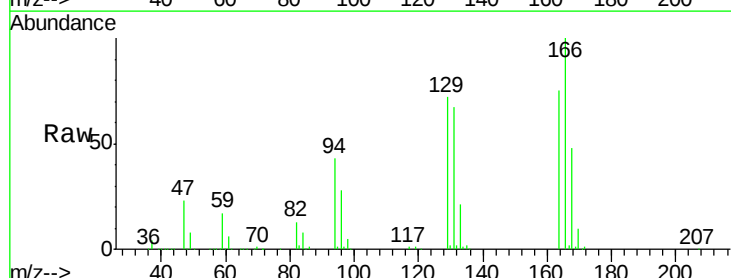
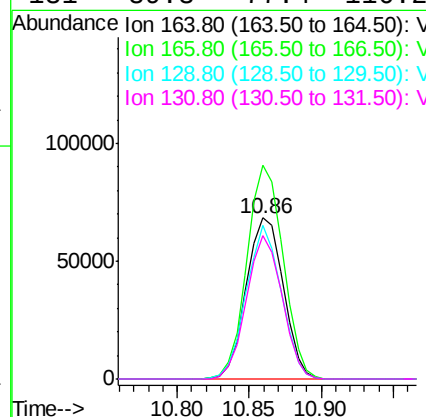
Manual Integrations
APPROVED

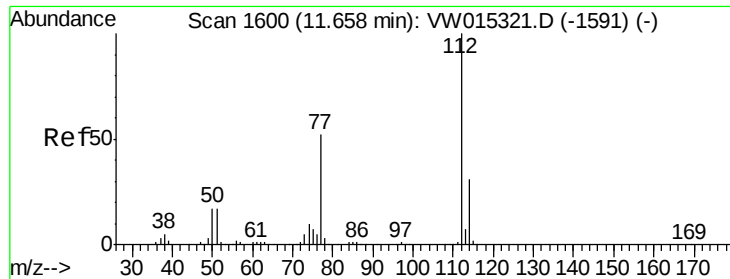
MMDadoda
4/24/2020 1:32:41 PM



#64
Tetrachloroethene
Concen: 52.269 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.5	102.6	154.0
129	95.0	80.2	120.2
131	89.3	77.4	116.2





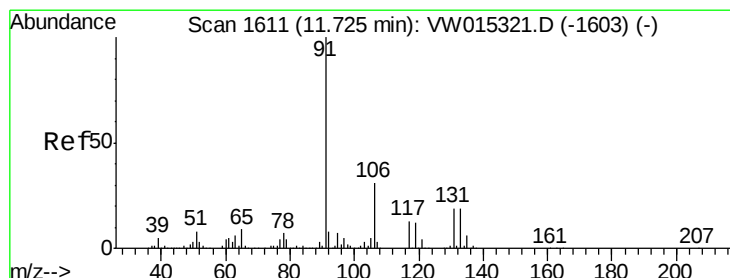
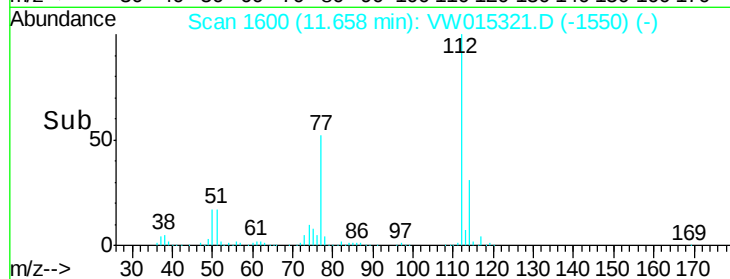
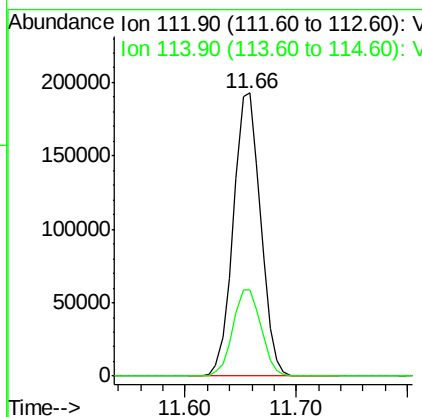
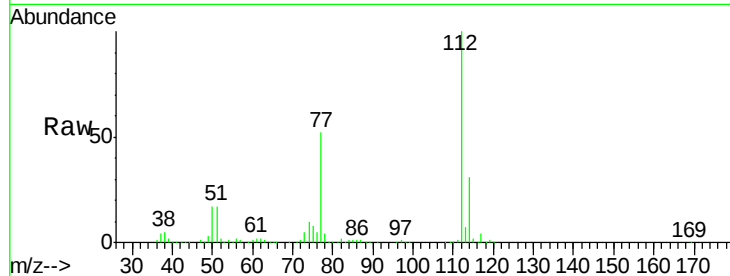
#65
Chlorobenzene
Concen: 51.010 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.8	38.6

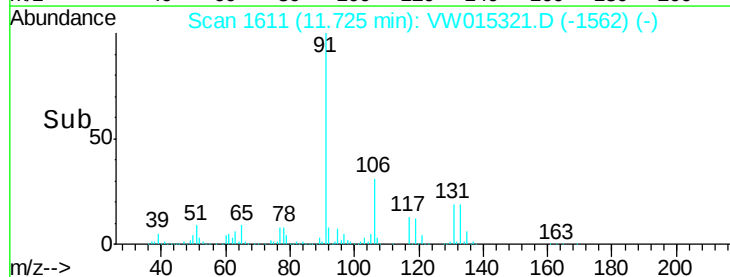
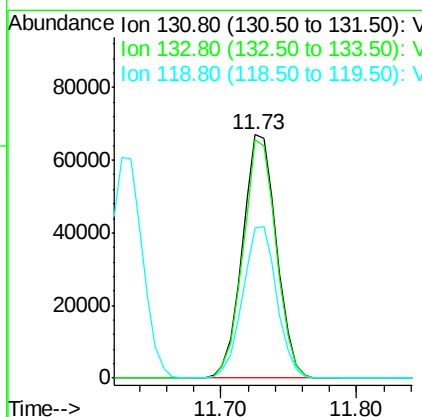
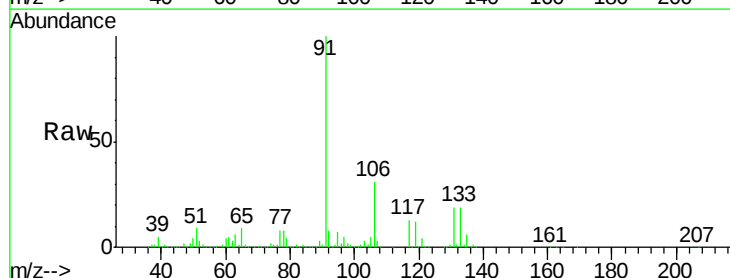
Manual Integrations
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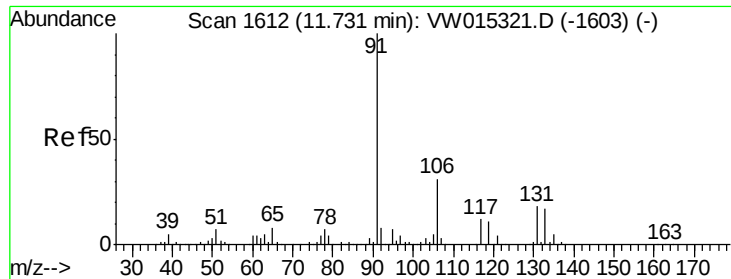
MMDadoda
4/24/2020 1:32:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.865 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.7	143.1
119	62.4	34.0	101.8





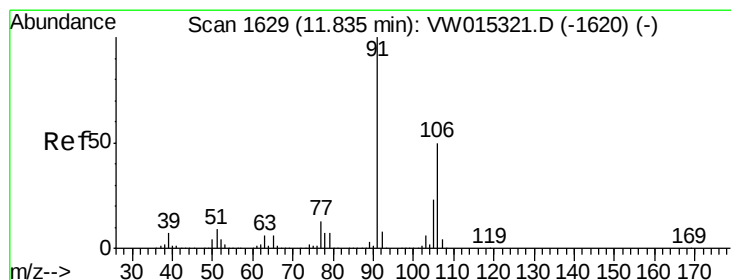
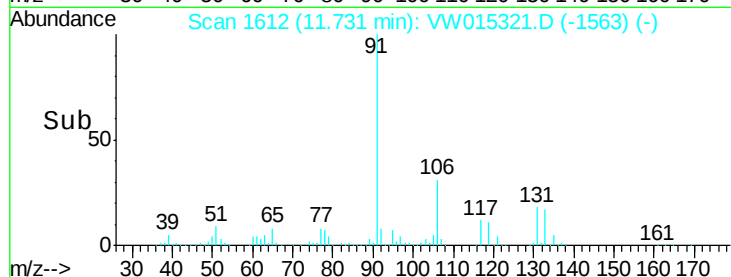
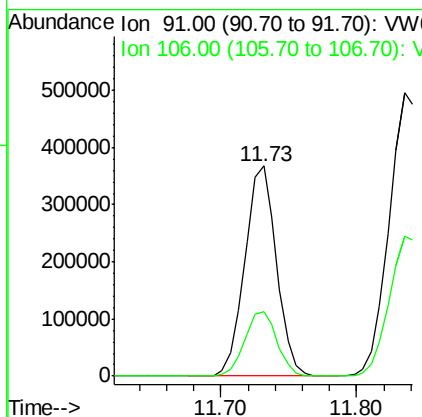
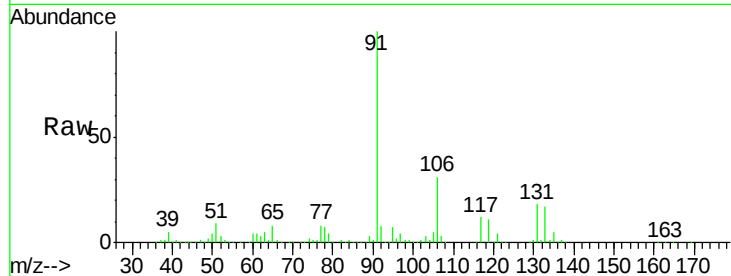
#67
Ethyl Benzene
Concen: 50.077 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 598143
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5

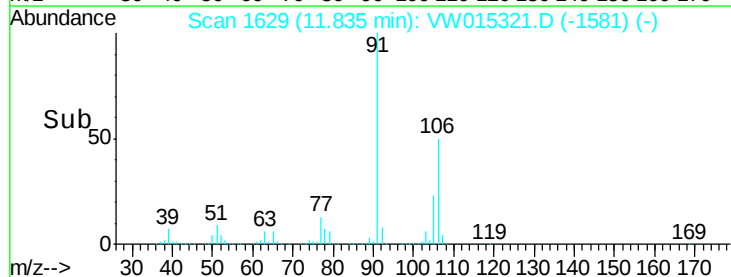
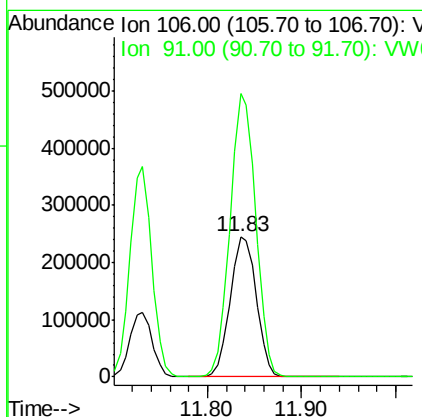
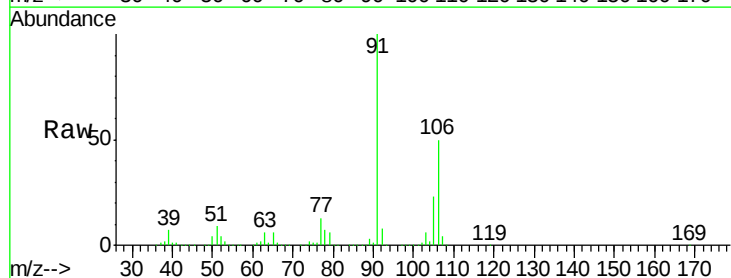
Manual Integrations
APPROVED

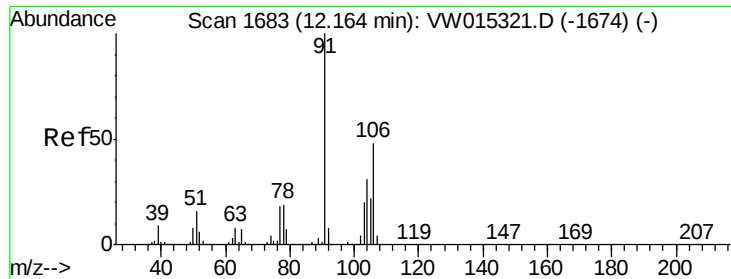
MMDadoda
4/24/2020 1:32:41 PM



#68
m/p-Xylenes
Concen: 100.777 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion: 106 Resp: 471831
Ion Ratio Lower Upper
106 100
91 198.4 160.0 240.0





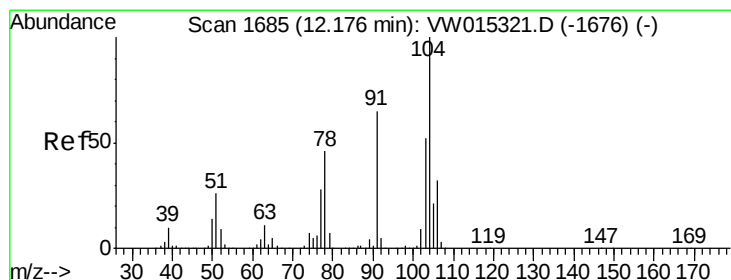
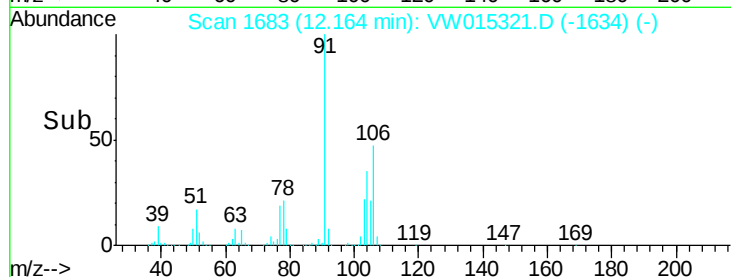
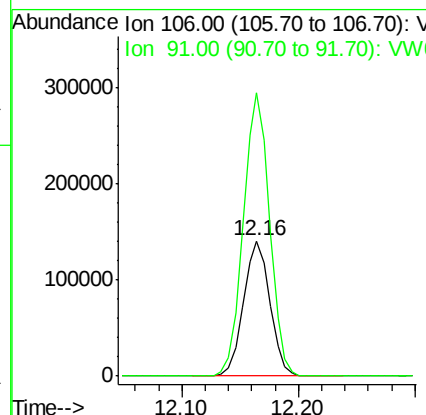
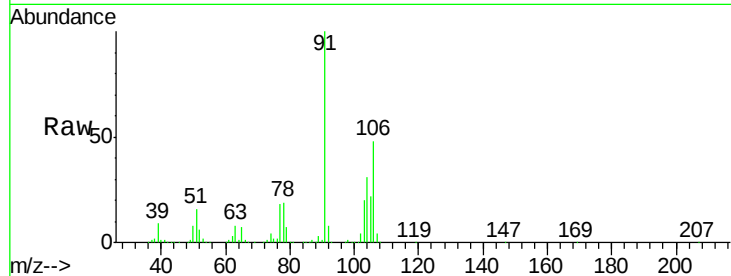
#69
o-Xylene
Concen: 50.816 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	208.1	105.7	317.1	

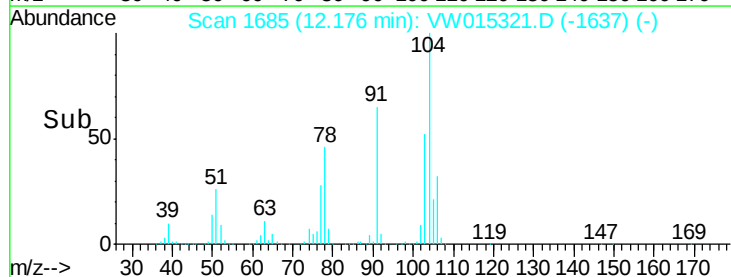
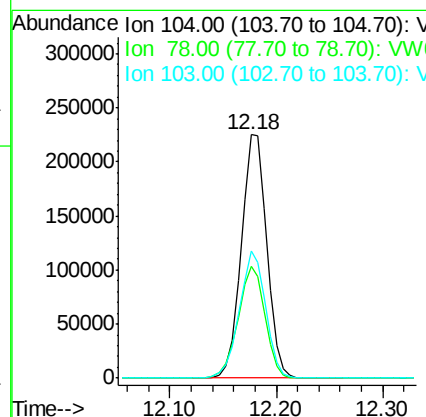
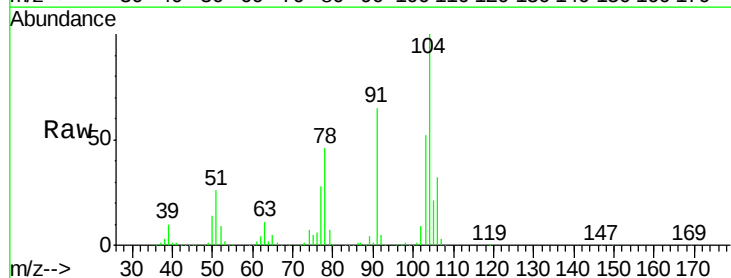
Manual Integrations
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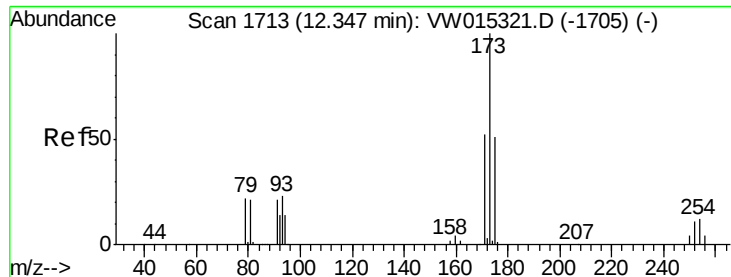
MMDadoda
4/24/2020 1:32:41 PM



#70
Styrene
Concen: 50.801 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	48.6	39.8	59.6	
103	53.8	43.8	65.6	





#71

Bromoform

Concen: 47.996 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 62255

Ion Ratio Lower Upper

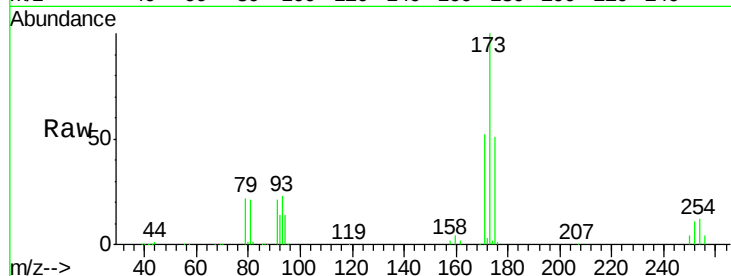
173 100

175 48.6 25.1 75.4

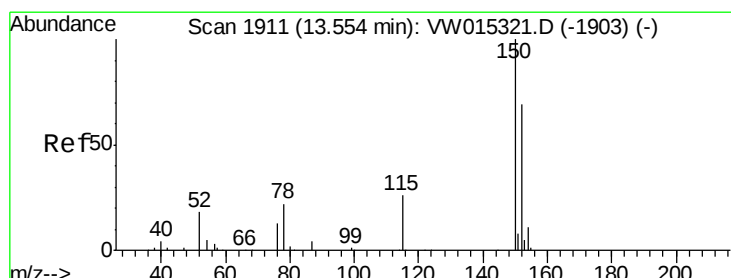
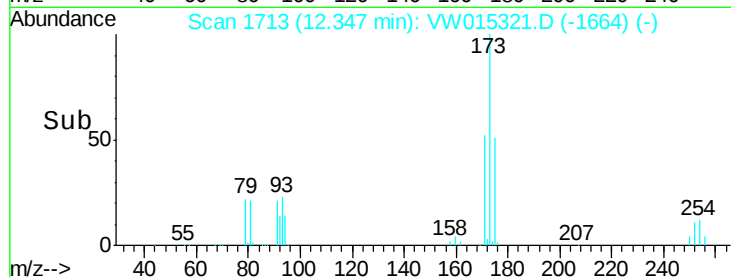
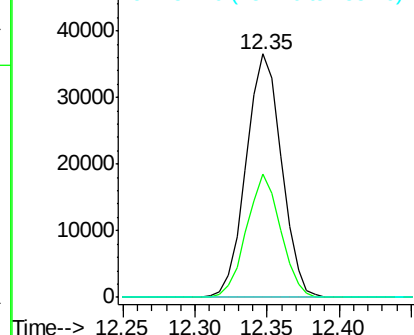
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

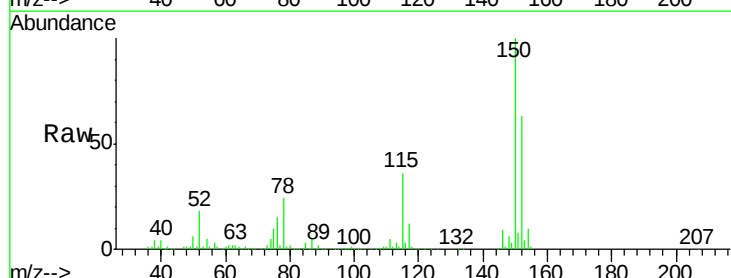
Tgt Ion:152 Resp: 176847

Ion Ratio Lower Upper

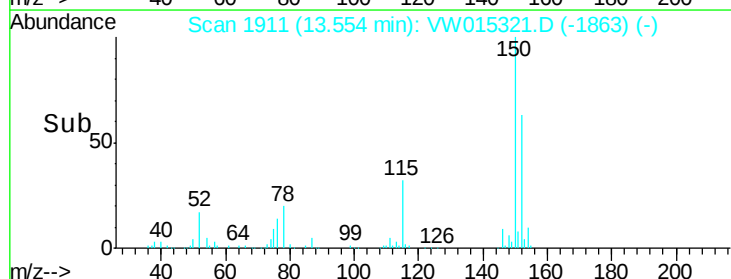
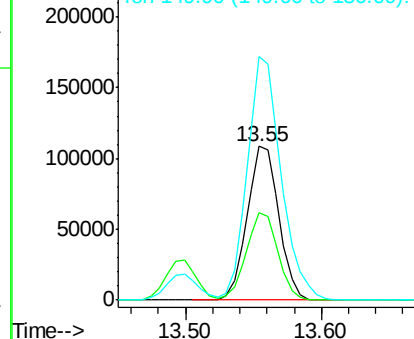
152 100

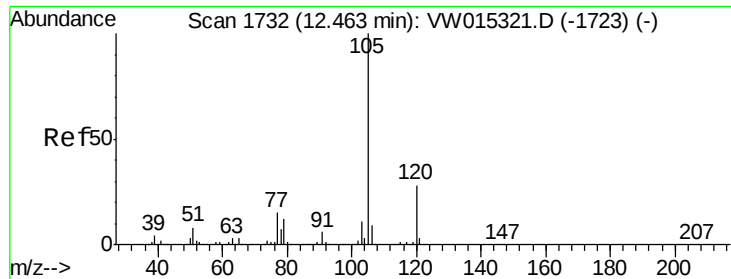
115 56.4 31.3 93.9

150 169.2 0.0 343.4



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





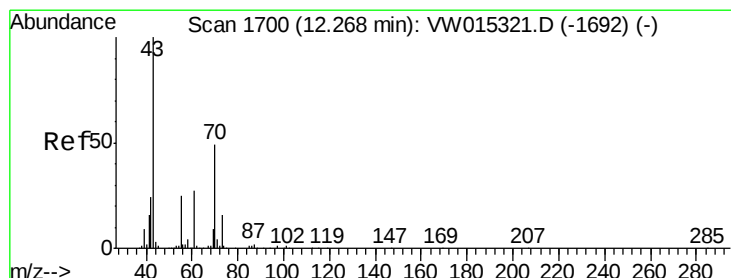
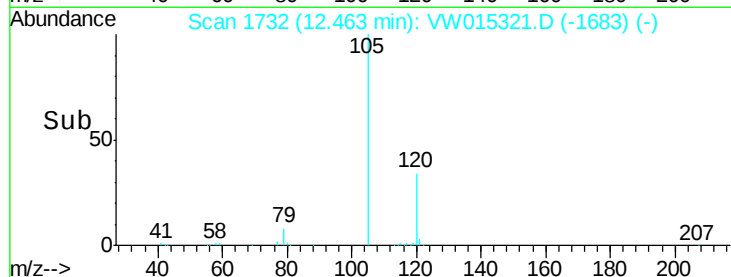
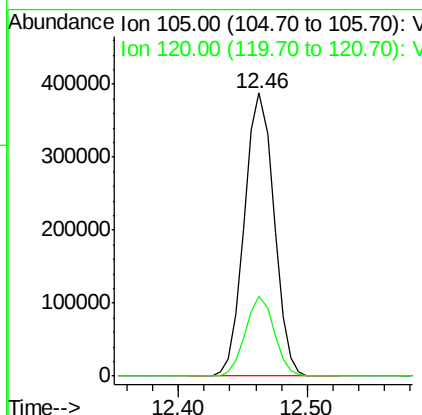
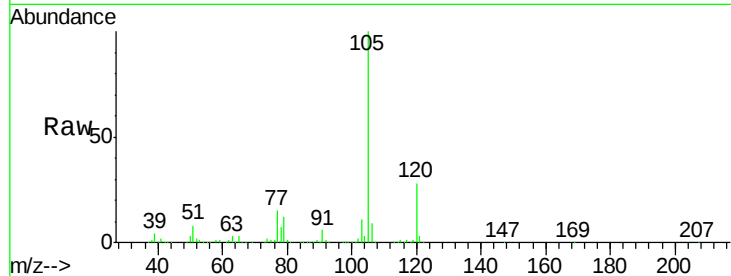
#73
Isopropylbenzene
Concen: 50.252 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.7	41.1

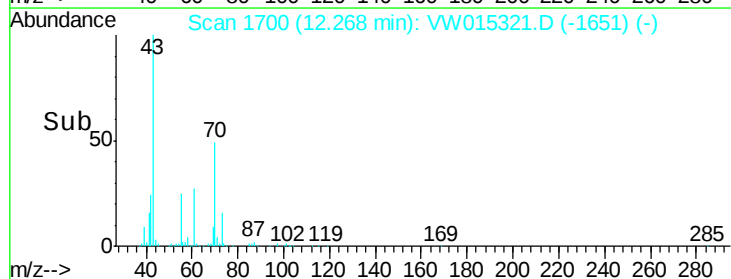
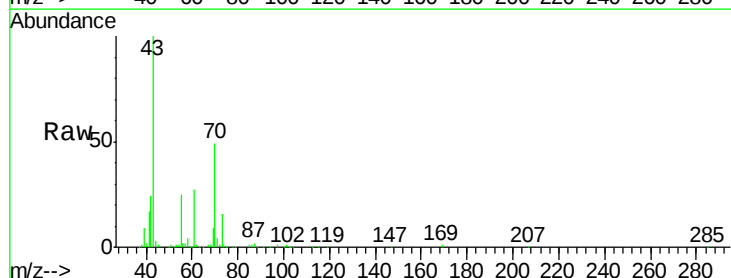
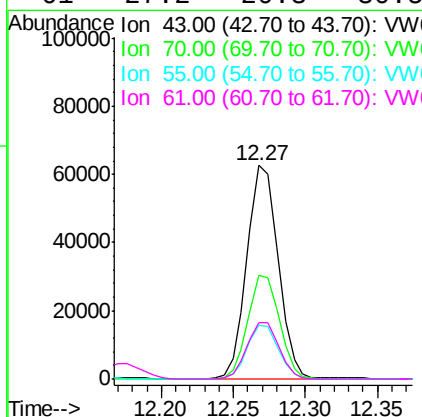
Manual Integrations
APPROVED

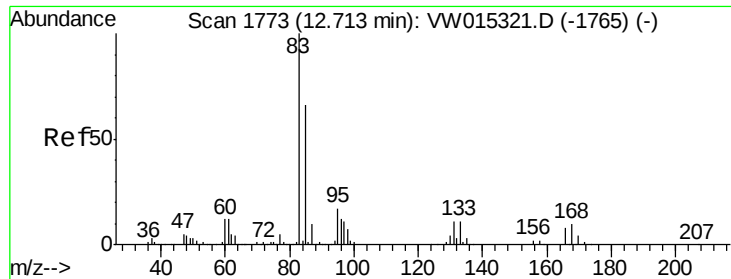
MMDadoda
4/24/2020 1:32:41 PM



#74
N-ethyl acetate
Concen: 44.043 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.5	35.4	53.2
55	25.6	18.5	27.7
61	27.2	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.412 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

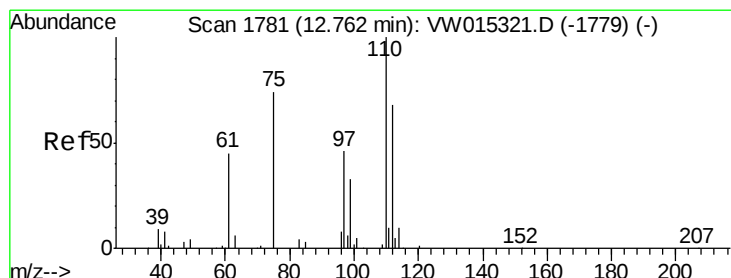
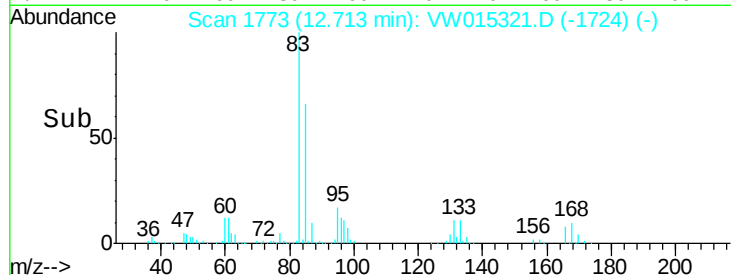
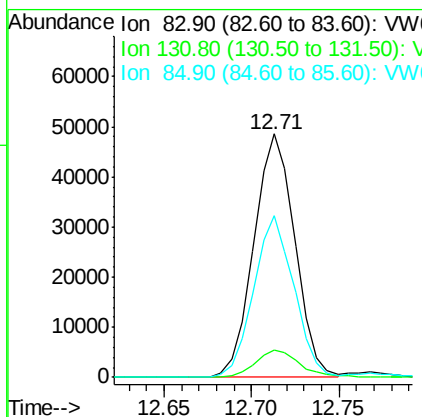
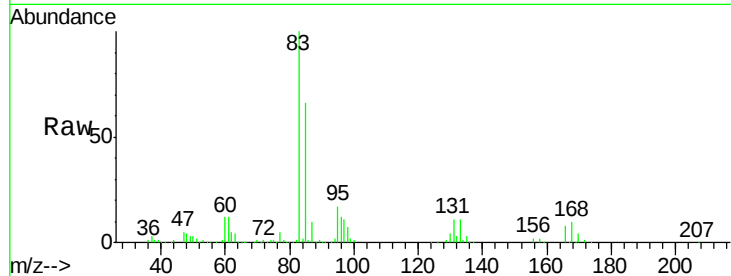
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	79058
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.1	15.2
85	65.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.693 ug/l m

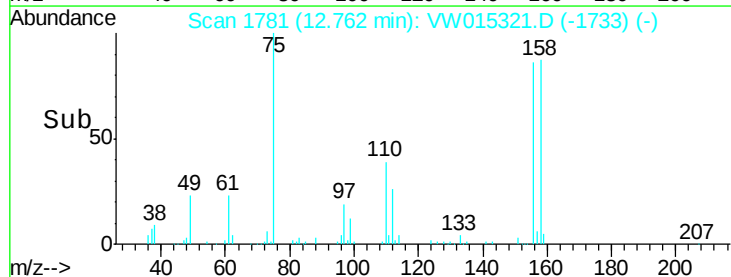
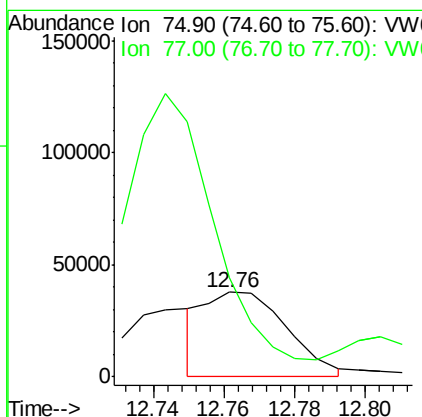
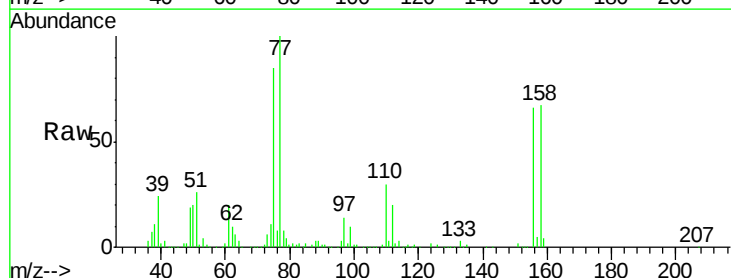
RT: 12.76 min Scan# 1781

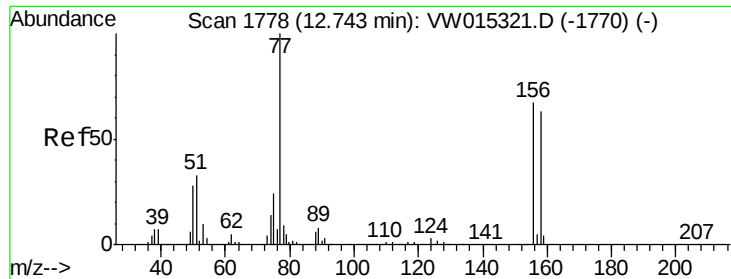
Delta R.T. -0.01 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Tgt Ion:	75	Resp:	61145
Ion Ratio	Lower	Upper	
75	100		
77	379.5	0.0	0.0#





#77

Bromobenzene

Concen: 50.064 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

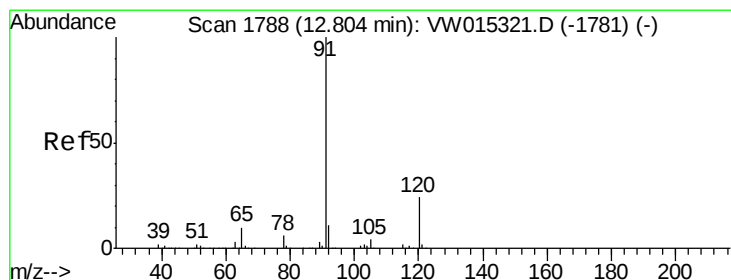
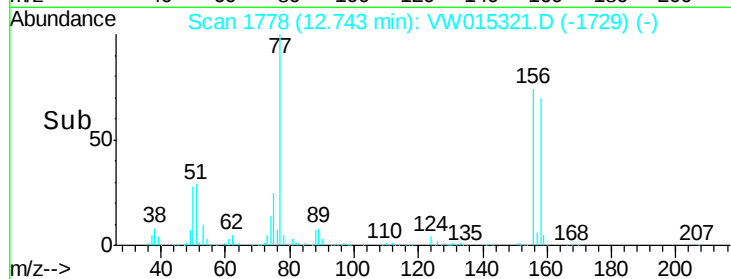
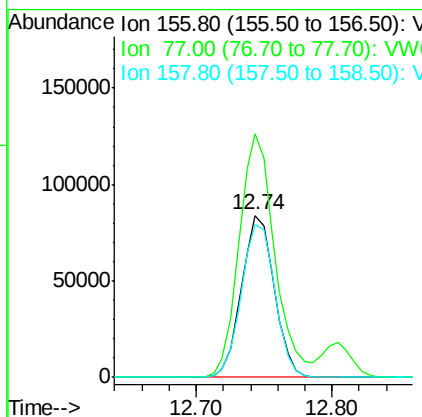
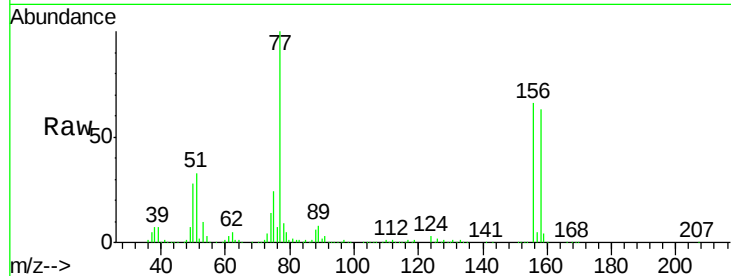
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	164.5	100.5	301.5	
158	97.5	47.9	143.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 49.765 ug/l

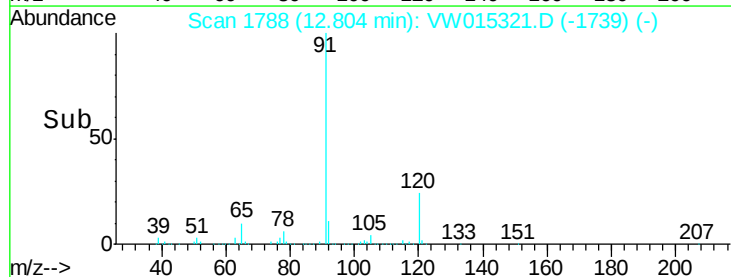
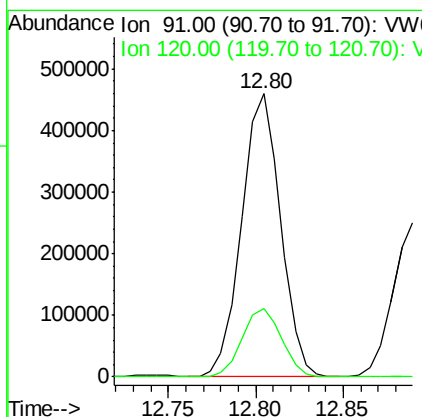
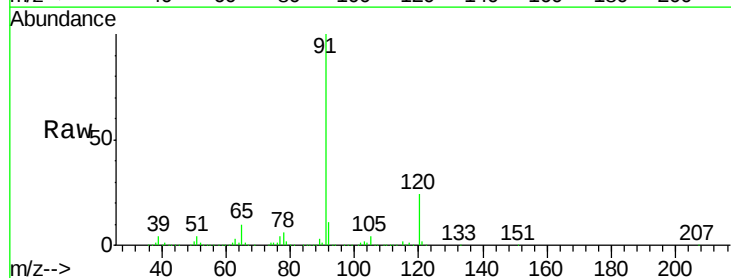
RT: 12.80 min Scan# 1788

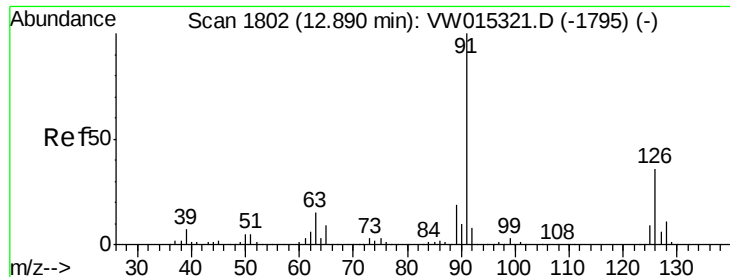
Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.7	11.4	34.1	





#79

2-Chlorotoluene

Concen: 50.208 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 403953

Ion Ratio Lower Upper

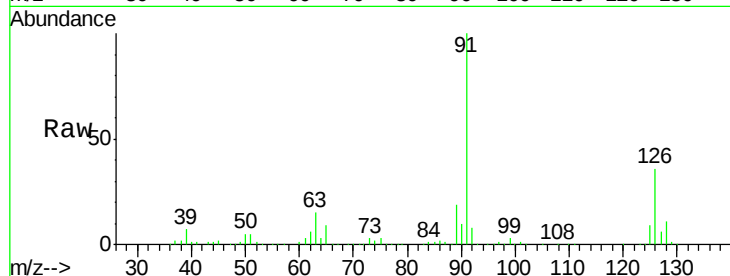
91 100

126 35.7 16.8 50.4

Manual Integrations
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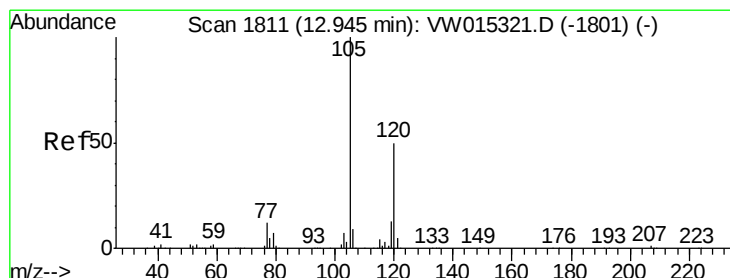
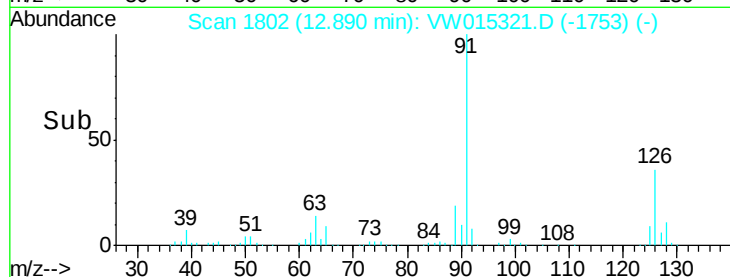
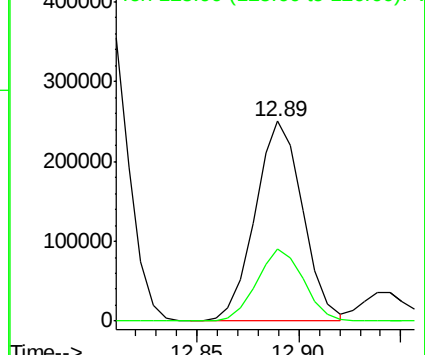
MMDadoda

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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: 50.421 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015321.D

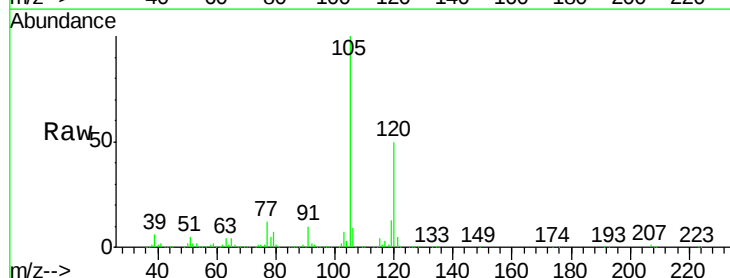
Acq: 23 Apr 2020 10:06

Tgt Ion:105 Resp: 532568

Ion Ratio Lower Upper

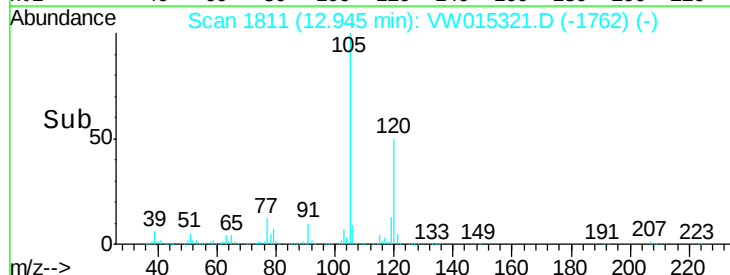
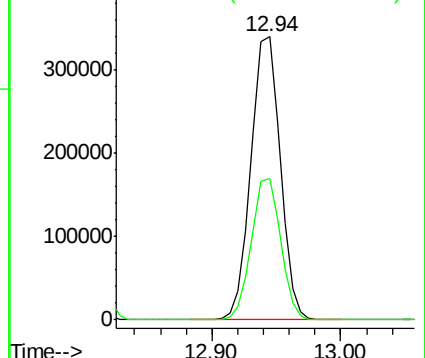
105 100

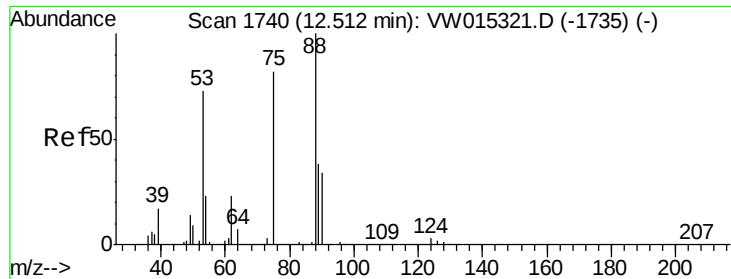
120 49.8 24.9 74.8



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: 44.722 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

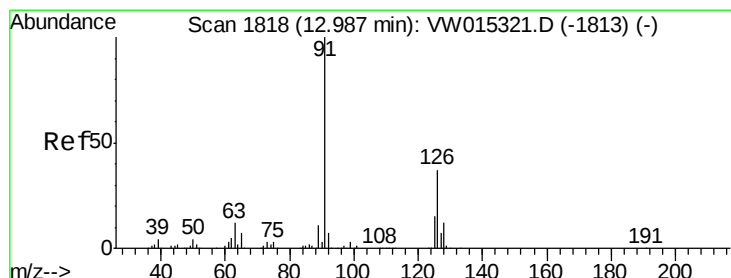
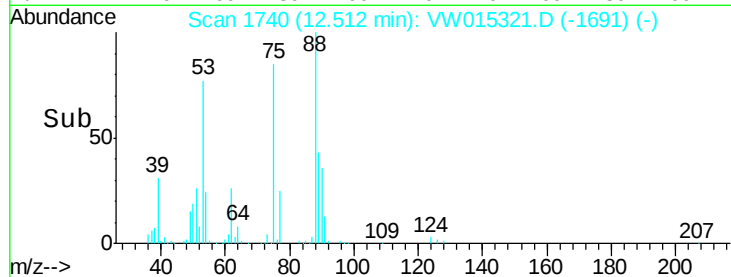
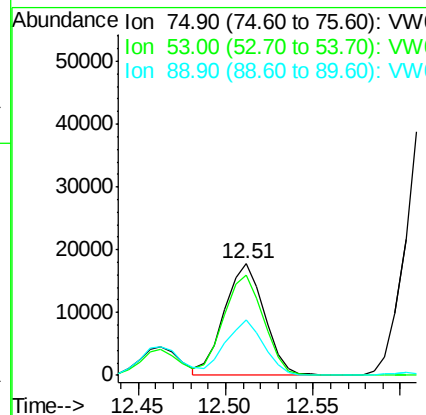
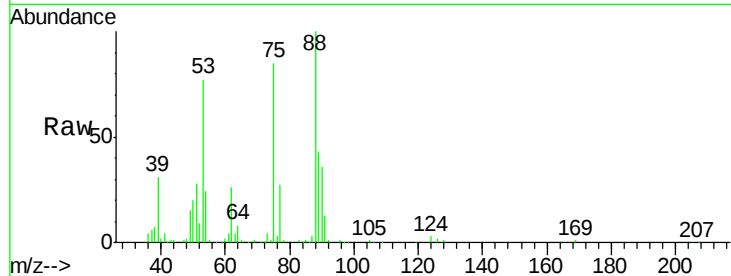
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	27989
Ion	Ratio	Lower	Upper
75	100		
53	91.9	69.4	104.2
89	47.9	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.035 ug/l

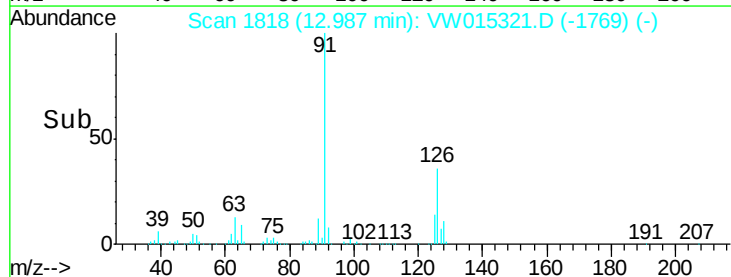
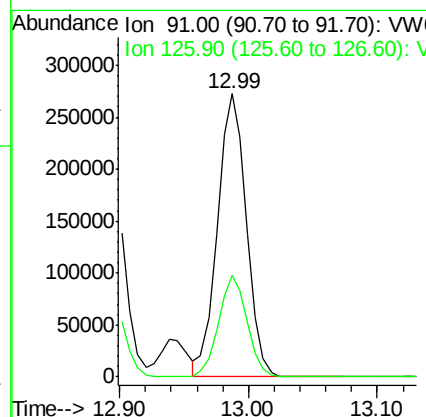
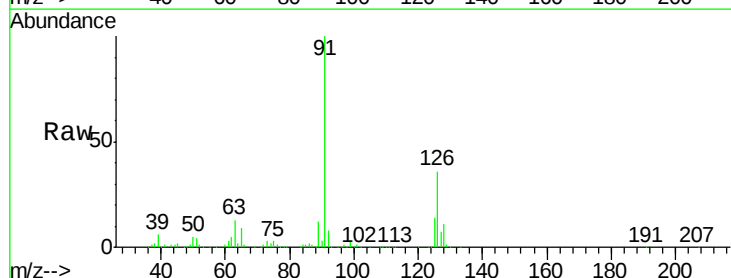
RT: 12.99 min Scan# 1818

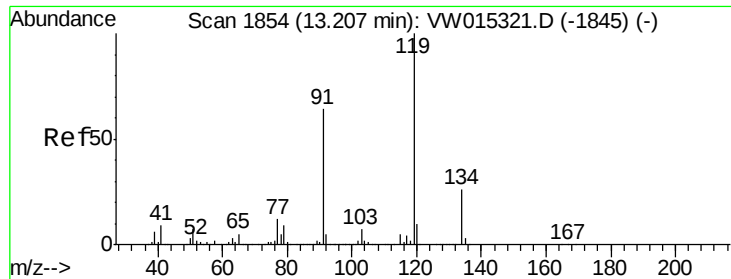
Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Tgt Ion:	91	Resp:	427419
Ion	Ratio	Lower	Upper
91	100		
126	35.3	16.8	50.3





#83

tert-Butylbenzene

Concen: 50.831 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

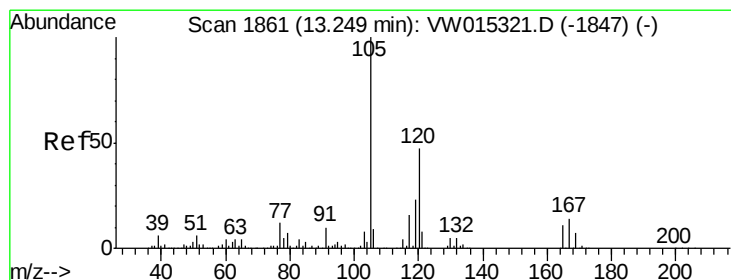
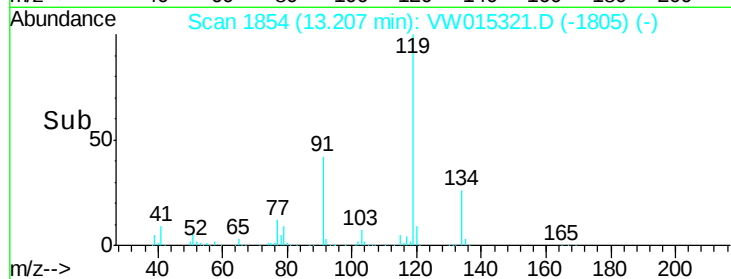
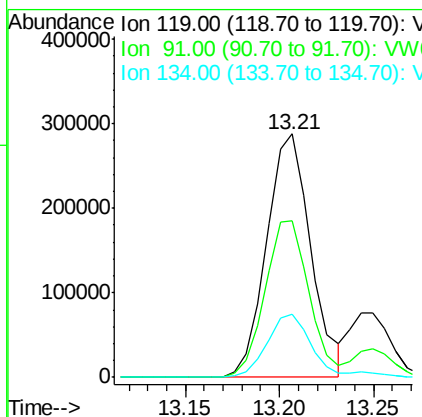
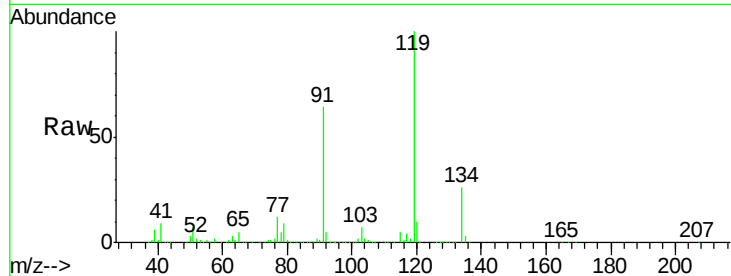
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	469255		
91	64.1	32.8	98.3	
134	26.9	13.3	39.9	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.230 ug/l

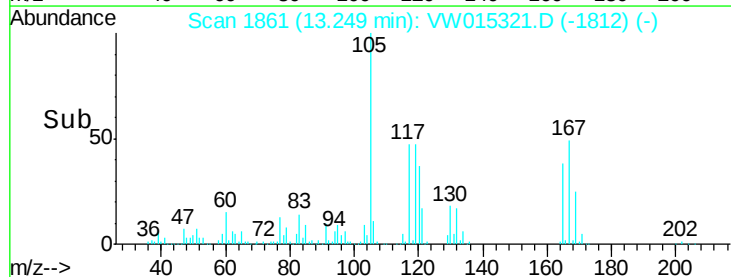
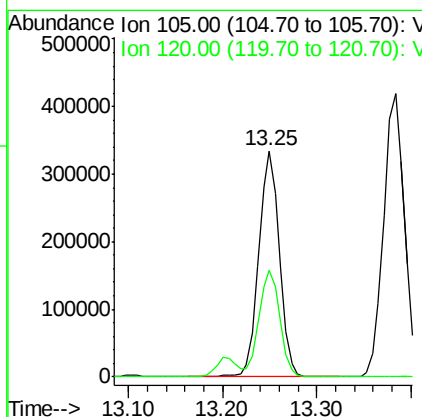
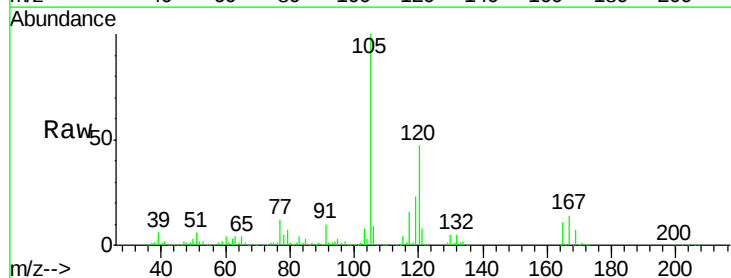
RT: 13.25 min Scan# 1861

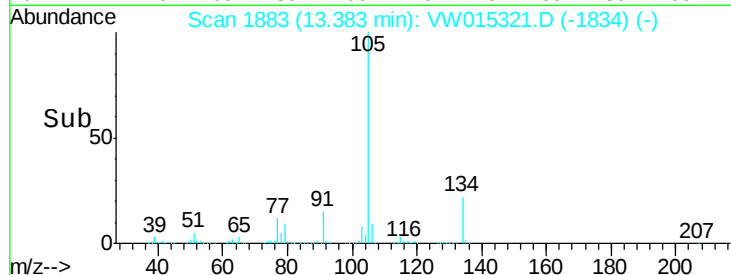
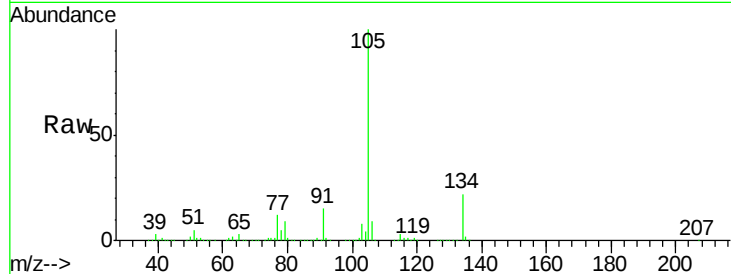
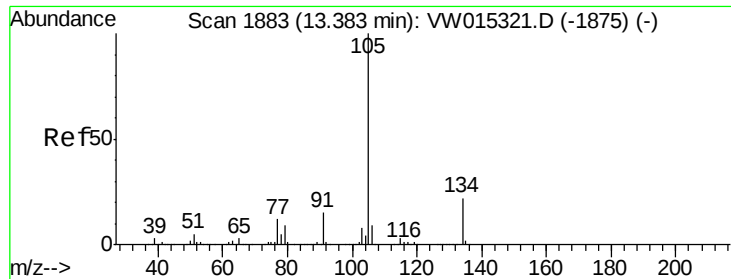
Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	512878		
120	47.6	23.0	69.0	





#85

sec-Butylbenzene

Concen: 50.575 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Tot Ion:105 Resp: 644800

Ion Ratio Lower Upper

105 100

134 21.2 10.1 30.1

Instrument :

MSVOA_W

ClientSampleId :

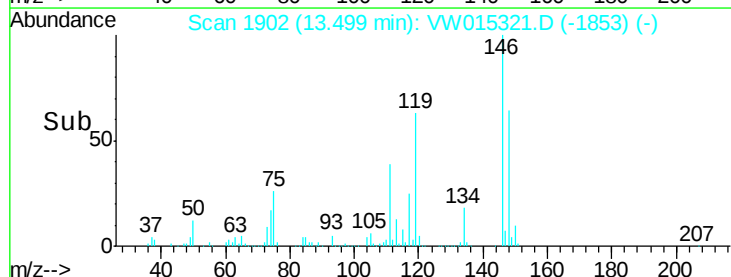
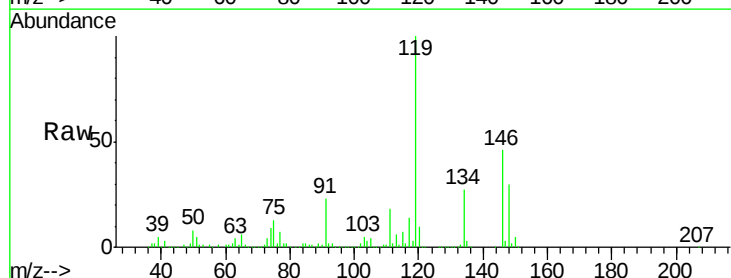
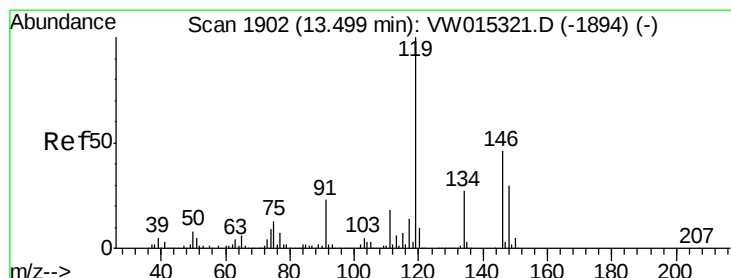
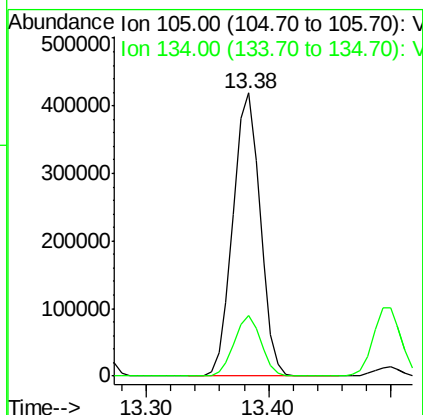
VSTDCCC050

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.533 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

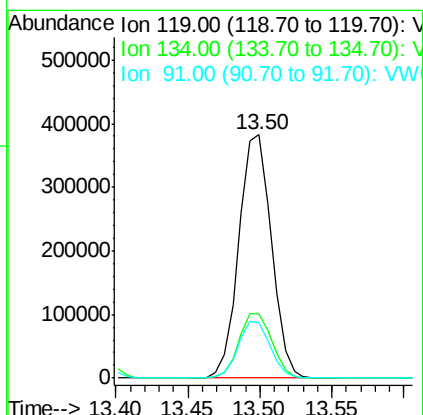
Tgt Ion:119 Resp: 598661

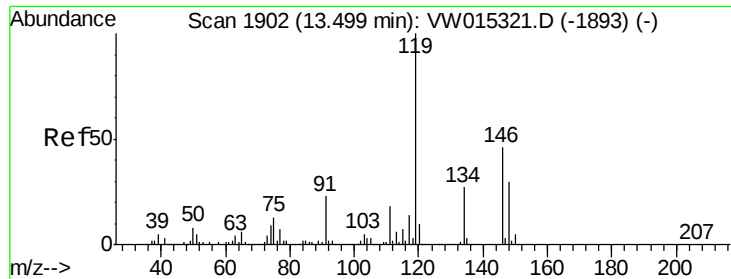
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

91 23.1 12.0 36.1





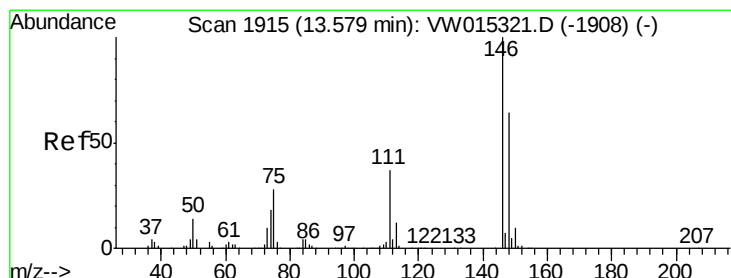
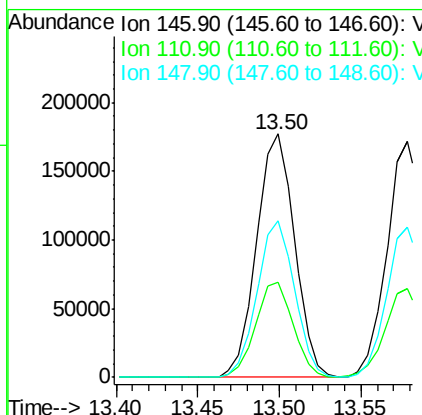
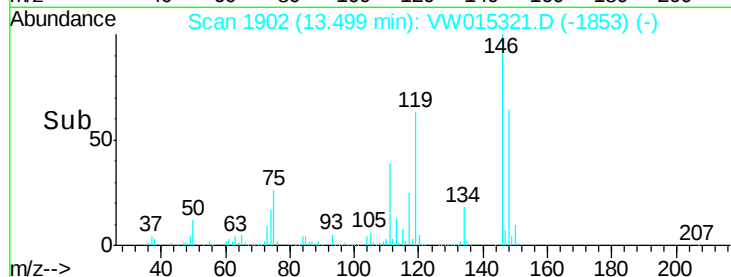
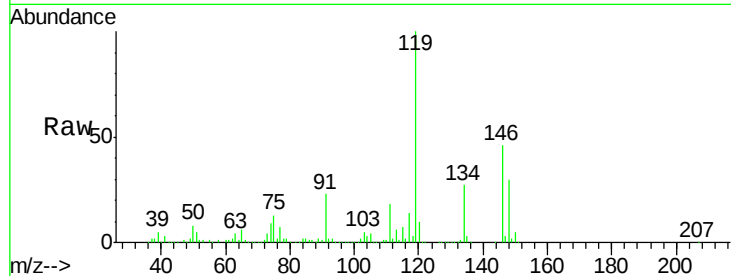
#87
 1,3-Dichlorobenzene
 Concen: 51.115 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286104		
111	38.9	21.1	63.4	
148	63.2	31.8	95.3	

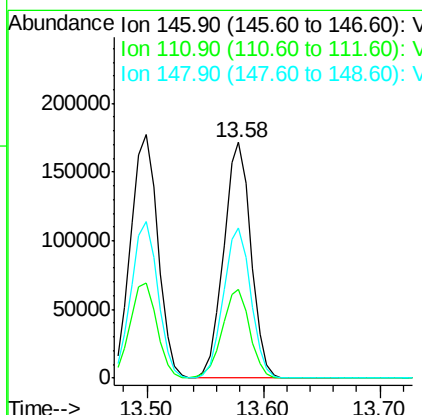
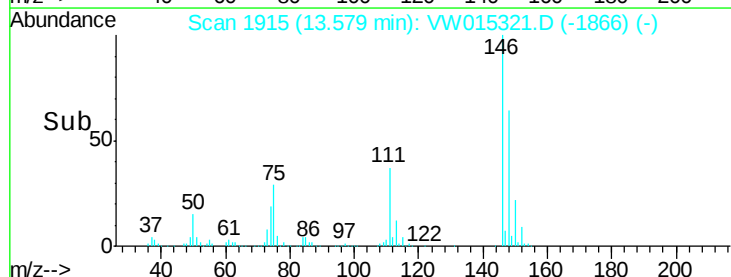
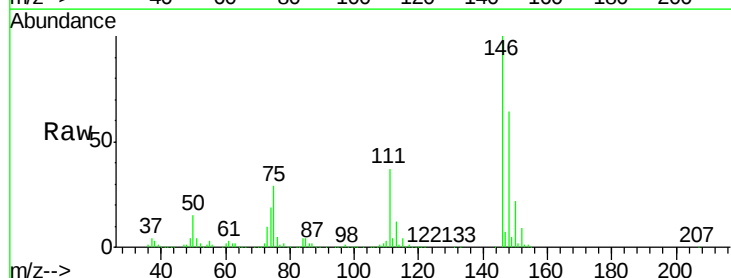
Manual Integrations
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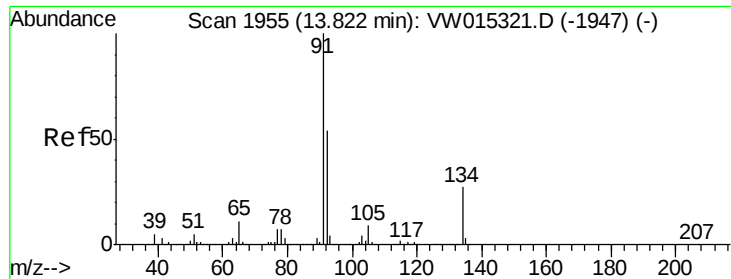
MMDadoda
 4/24/2020 1:32:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.655 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	277935		
111	37.8	20.4	61.3	
148	63.9	31.5	94.5	





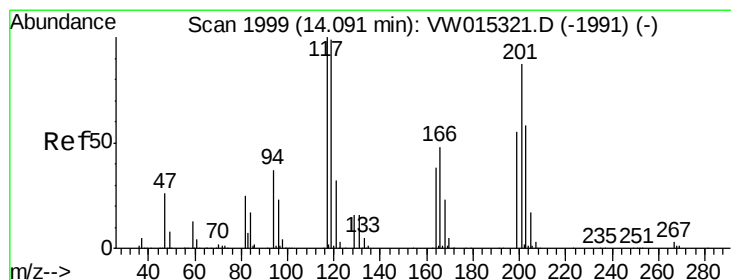
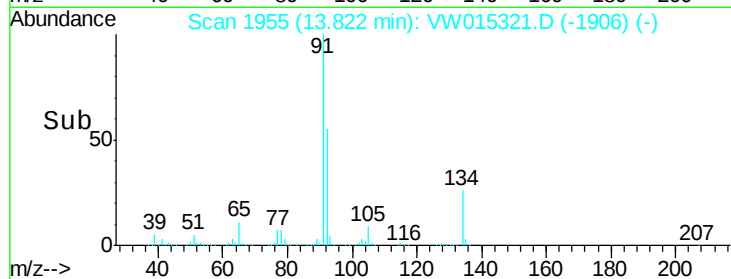
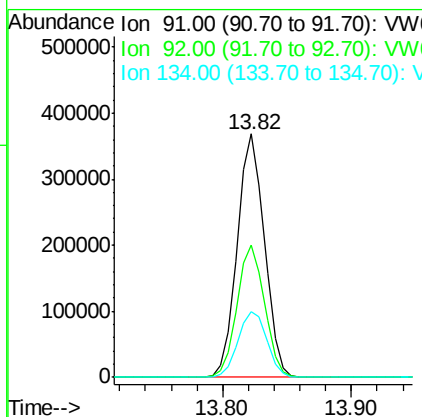
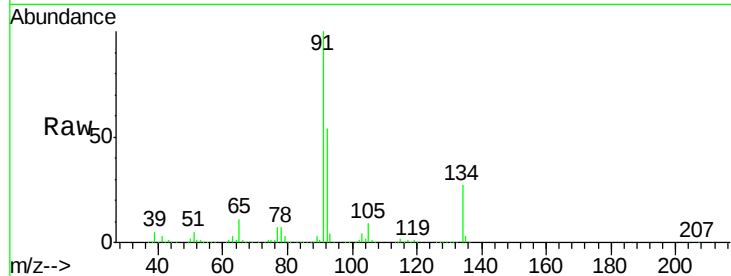
#89
n-Butylbenzene
Concen: 49.833 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.6	82.7
134	28.6	12.8	38.3

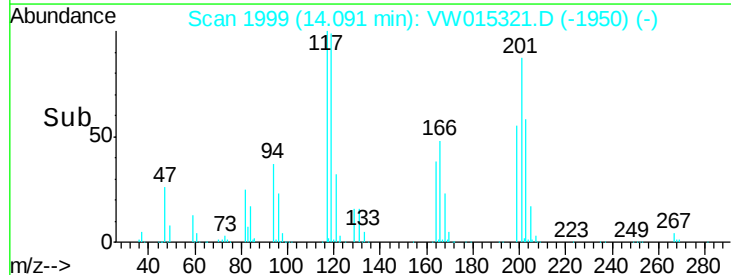
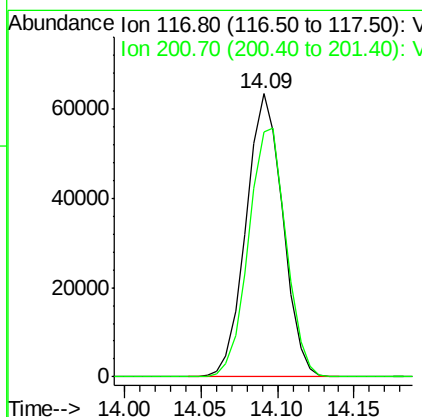
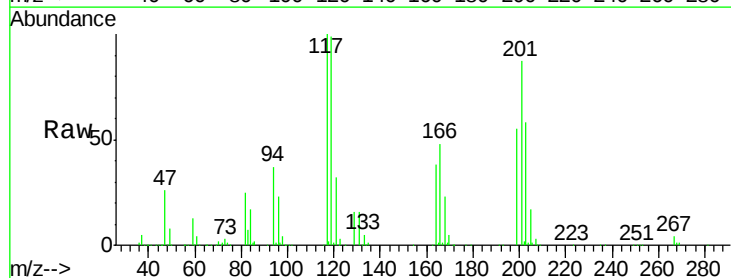
Manual Integrations
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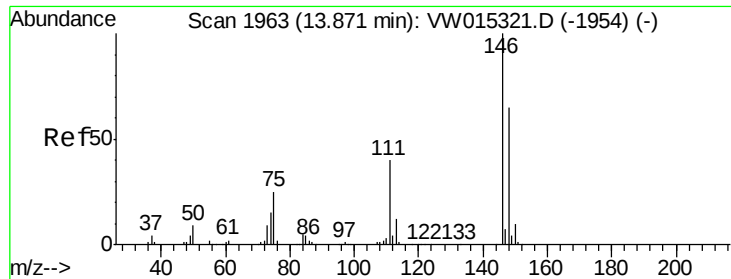
MMDadoda
4/24/2020 1:32:41 PM



#90
Hexachloroethane
Concen: 48.664 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015321.D
Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	33.6	100.6





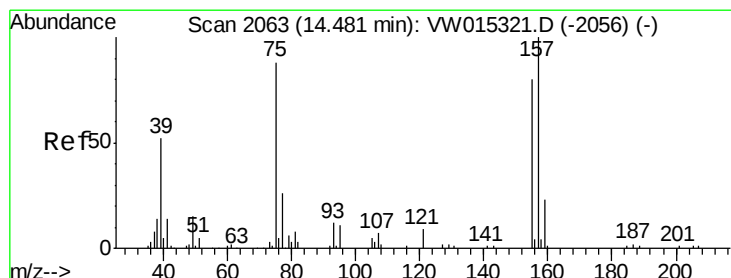
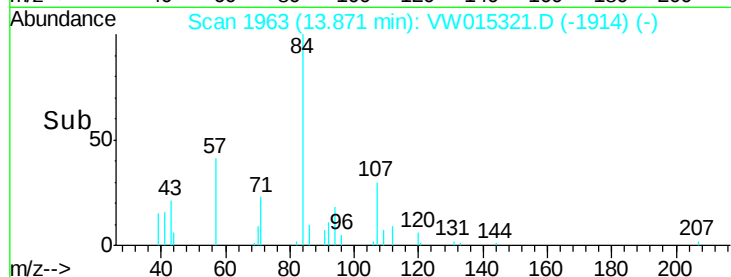
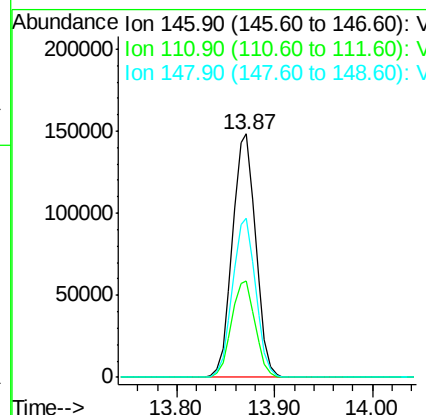
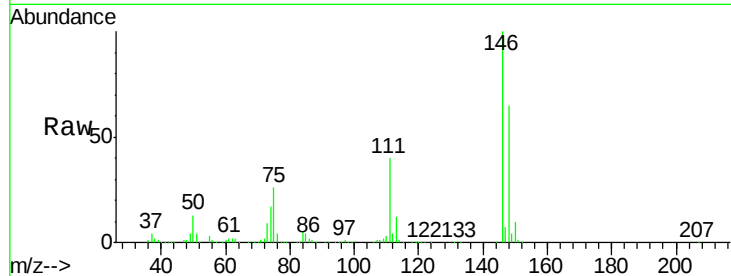
#91
 1,2-Dichlorobenzene
 Concen: 50.428 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.6	65.0
148	65.1	31.0	93.0

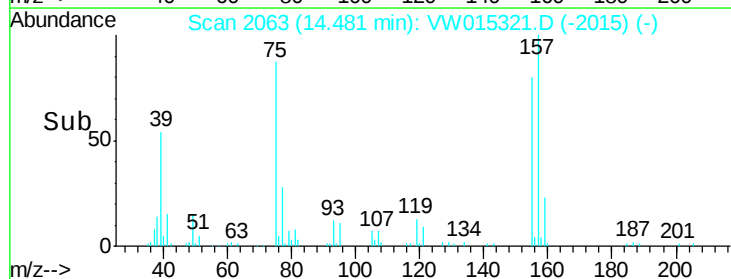
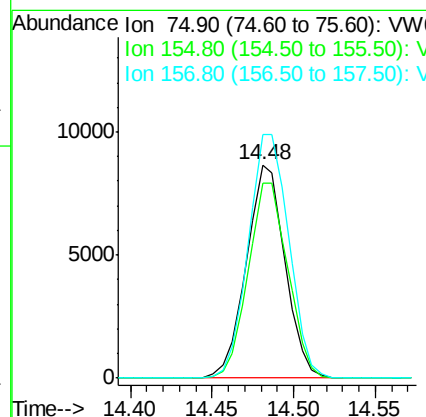
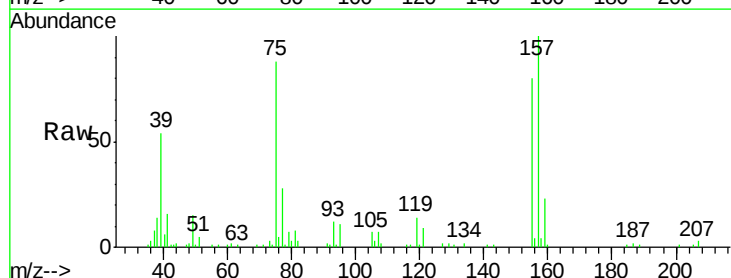
Manual Integrations
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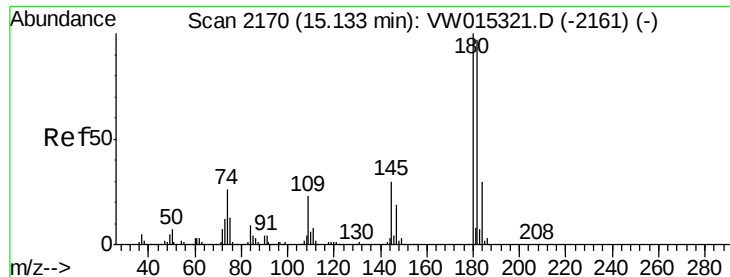
MMDadoda
 4/24/2020 1:32:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.409 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	41.6	124.9
157	119.6	53.8	161.2





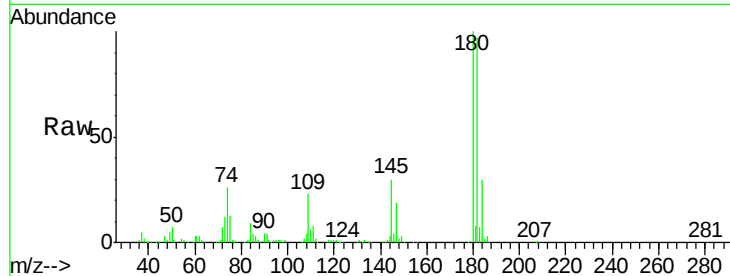
#93
 1,2,4-Trichlorobenzene
 Concen: 48.432 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

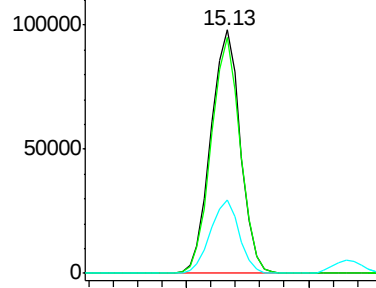
Tot Ion	Ratio	Resp	Lower	Upper
180	100	163741		
182	95.0	47.1	141.4	
145	29.4	16.2	48.6	

Manual Integrations
 APPROVED

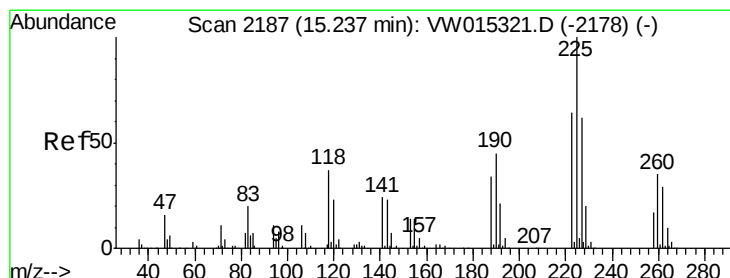
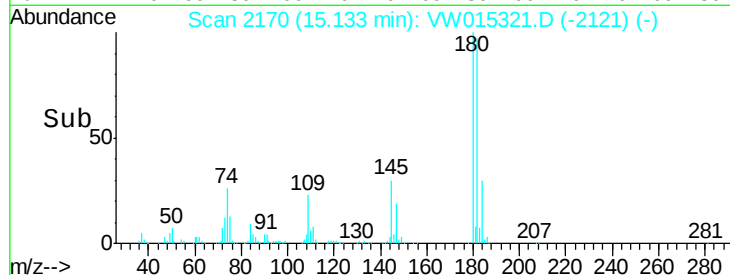
MMDadoda
 4/24/2020 1:32:41 PM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

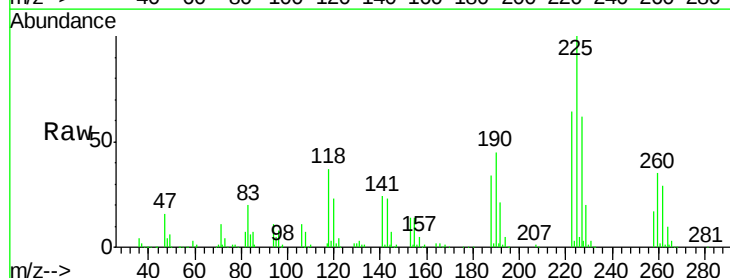


Time-->

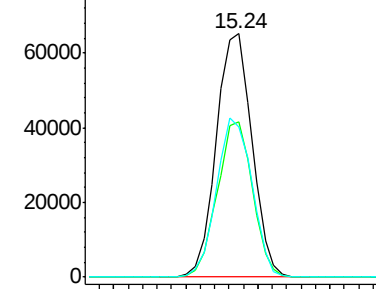


#94
 Hexachlorobutadiene
 Concen: 49.379 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015321.D
 Acq: 23 Apr 2020 10:06

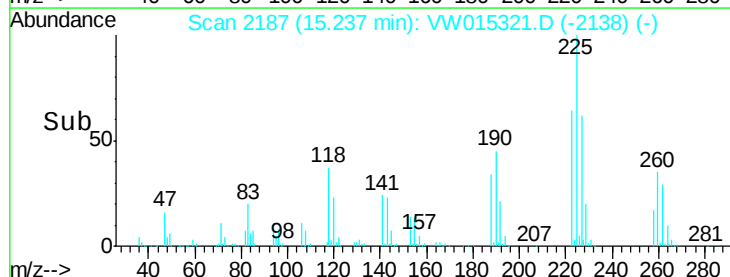
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	111300		
223	63.0	31.0	93.0	
227	65.1	30.8	92.3	

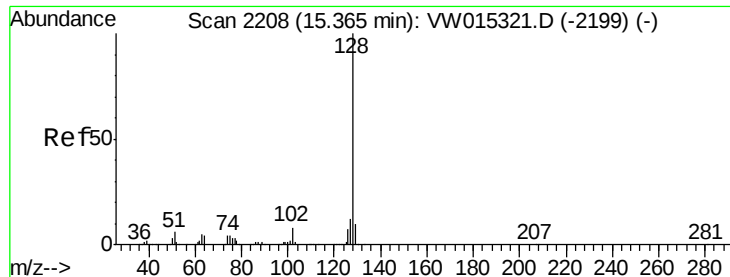


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 46.621 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Instrument :

MSVOA_W

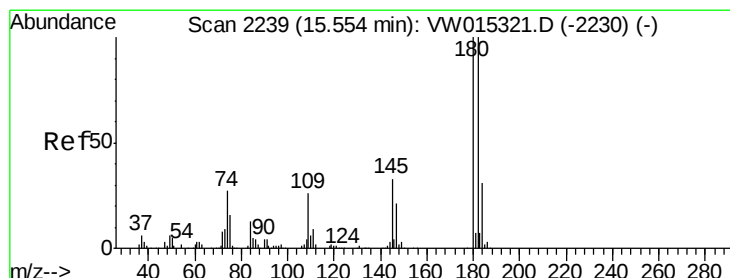
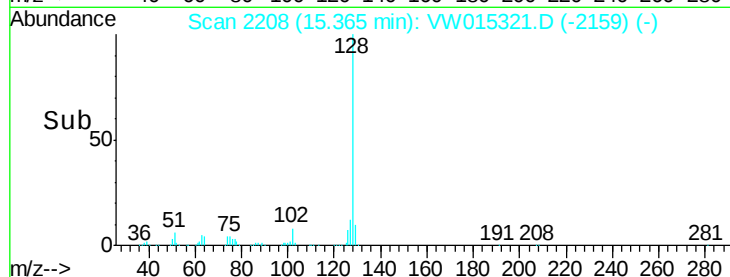
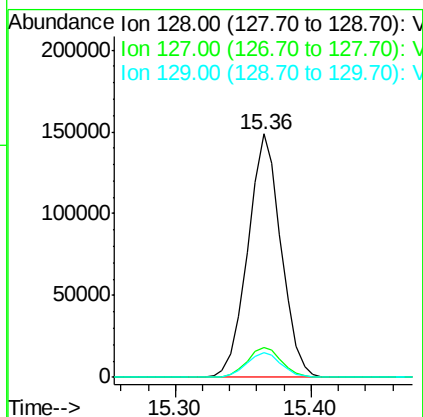
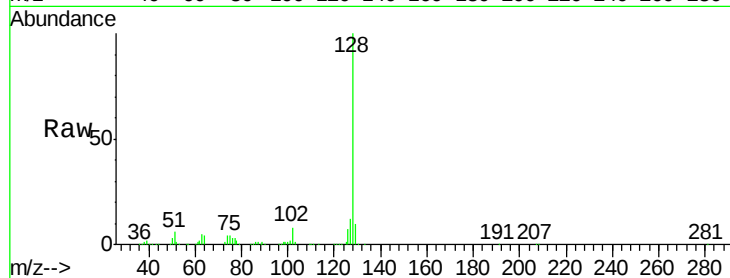
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	253543
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.292 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015321.D

Acq: 23 Apr 2020 10:06

Tgt Ion:	180	Resp:	135588
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.8	146.3
145	31.0	17.2	51.6

