

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015749.D
 Acq On : 26 Jun 2020 16:18
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:34:05 PM

Quant Time: Jun 27 02:29:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	318106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	110573	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.89	113	100632	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.33	98	401406	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	155172	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	62862	52.191	ug/l	100
3) Chloromethane	2.21	50	67608	47.801	ug/l	98
4) Vinyl Chloride	2.37	62	112160	49.052	ug/l	100
5) Bromomethane	2.78	94	82149	48.882	ug/l	99
6) Chloroethane	2.93	64	75682	50.296	ug/l	99
7) Trichlorofluoromethane	3.26	101	89304	52.016	ug/l	95
8) Diethyl Ether	3.68	74	50424	50.855	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98110	48.481	ug/l	100
10) Methyl Iodide	4.27	142	139897	48.890	ug/l	100
11) Tert butyl alcohol	5.19	59	29156	231.467	ug/l	98
12) 1,1-Dichloroethene	4.04	96	95730	48.582	ug/l	98
13) Acrolein	3.89	56	28526	182.703	ug/l	99
14) Allyl chloride	4.67	41	156197	48.859	ug/l	100
15) Acrylonitrile	5.37	53	104428	255.270	ug/l	99
16) Acetone	4.13	43	111370	260.653	ug/l	95
17) Carbon Disulfide	4.39	76	267187	47.112	ug/l	100
18) Methyl Acetate	4.67	43	46626	53.022	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	153030	51.602	ug/l	98
20) Methylene Chloride	4.92	84	113043	54.732	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	111169	49.207	ug/l	96
22) Diisopropyl ether	6.32	45	319174	50.198	ug/l	98
23) Vinyl Acetate	6.26	43	975167	262.997	ug/l	99
24) 1,1-Dichloroethane	6.22	63	196270	49.038	ug/l	99
25) 2-Butanone	7.18	43	147092	254.717	ug/l	97
26) 2,2-Dichloropropane	7.17	77	122168	45.509	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	121613	50.040	ug/l	99
28) Bromochloromethane	7.52	49	77028	50.032	ug/l	99
29) Tetrahydrofuran	7.54	42	87573	258.064	ug/l	100
30) Chloroform	7.68	83	202697	49.381	ug/l	99
31) Cyclohexane	7.96	56	181463	46.870	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	170532	48.738	ug/l	100
36) 1,1-Dichloropropene	8.09	75	166015	50.177	ug/l	99
37) Ethyl Acetate	7.26	43	63336	50.135	ug/l	98
38) Carbon Tetrachloride	8.07	117	157827	49.210	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	203738	50.839	ug/l	98
40) Benzene	8.32	78	445815	49.555	ug/l	98
41) Methacrylonitrile	7.49	41	37010	51.046	ug/l	96
42) 1,2-Dichloroethane	8.40	62	140736	50.567	ug/l	100
43) Isopropyl Acetate	8.43	43	128832	51.103	ug/l	99
44) Trichloroethene	9.10	130	119977	49.478	ug/l	96
45) 1,2-Dichloropropane	9.37	63	110090	50.064	ug/l	98
46) Dibromomethane	9.46	93	58161	51.119	ug/l	99
47) Bromodichloromethane	9.65	83	147579	49.727	ug/l	99
48) Methyl methacrylate	9.44	41	60429	52.429	ug/l	98
49) 1,4-Dioxane	9.46	88	15599	1045.132	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	320474	263.598	ug/l	100
52) Toluene	10.39	92	297161	51.155	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	147433	51.423	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	174078	50.825	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	82278	52.012	ug/l	97
56) Ethyl methacrylate	10.65	69	108095	54.919	ug/l	96
57) 1,3-Dichloropropane	10.93	76	144196	51.417	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	251442	269.951	ug/l	100
59) 2-Hexanone	10.97	43	226234	273.333	ug/l	99
60) Dibromochloromethane	11.13	129	95394	51.748	ug/l	96
61) 1,2-Dibromoethane	11.24	107	77450	51.221	ug/l	98
64) Tetrachloroethene	10.87	164	101045	48.875	ug/l	99
65) Chlorobenzene	11.66	112	311107	50.141	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	112177	51.564	ug/l	99
67) Ethyl Benzene	11.73	91	593566	51.404	ug/l	99
68) m/p-Xylenes	11.84	106	448978	103.548	ug/l	99
69) o-Xylene	12.17	106	209618	52.579	ug/l	99
70) Styrene	12.18	104	360357	52.905	ug/l	99
71) Bromoform	12.35	173	51884	51.834	ug/l #	98
73) Isopropylbenzene	12.46	105	588152	49.125	ug/l	100
74) N-amyl acetate	12.27	43	128629	50.681	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	95641	49.934	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	69339m	48.435	ug/l	
77) Bromobenzene	12.75	156	130920	49.040	ug/l	99
78) n-propylbenzene	12.80	91	718138	49.832	ug/l	99
79) 2-Chlorotoluene	12.90	91	398008	49.050	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	504201	49.700	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	27600	48.584	ug/l	93
82) 4-Chlorotoluene	12.99	91	421044	49.047	ug/l	99
83) tert-Butylbenzene	13.21	119	428990	50.047	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	509827	50.393	ug/l	99
85) sec-Butylbenzene	13.38	105	608332	49.658	ug/l	99
86) p-Isopropyltoluene	13.50	119	554726	49.839	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	262859	49.599	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	253491	48.295	ug/l	97
89) n-Butylbenzene	13.82	91	544398	50.951	ug/l	99
90) Hexachloroethane	14.10	117	96074	48.504	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	226797	49.495	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15186	49.513	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	158247	52.297	ug/l	98
94) Hexachlorobutadiene	15.24	225	93464	48.484	ug/l	98
95) Naphthalene	15.37	128	274467	54.841	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	134391	51.584	ug/l	98

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

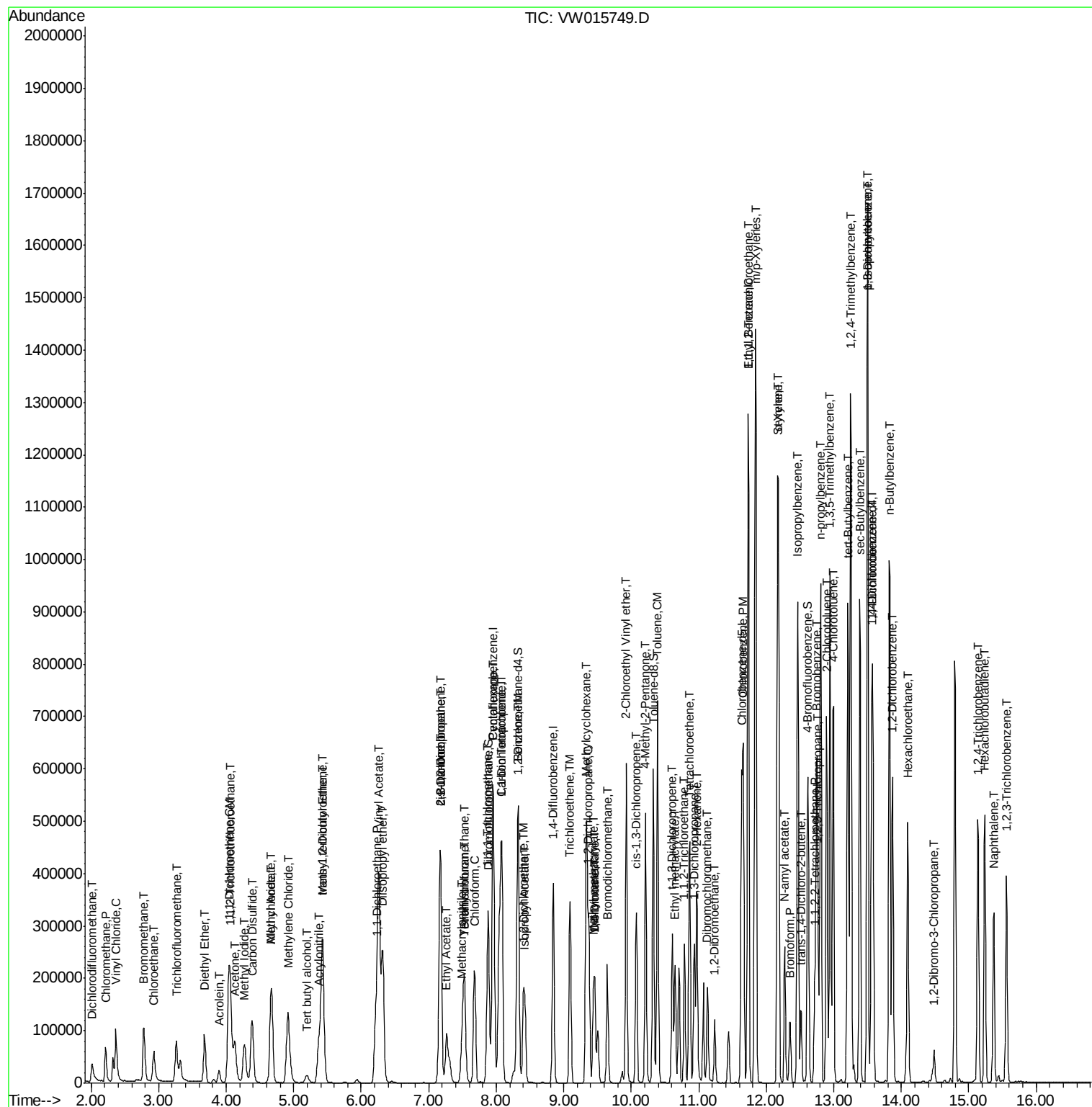
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Acq On : 26 Jun 2020 16:18
Operator : SY/VA
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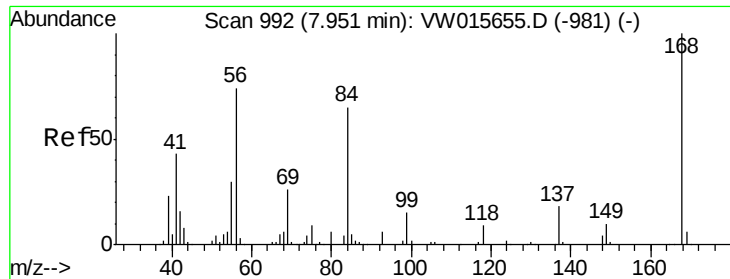
Instrument :
MSVOA_W
Client Sample ID :
VSTDCCC050EC

Manual Integrations
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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: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 202005

Ion Ratio Lower Upper

168 100

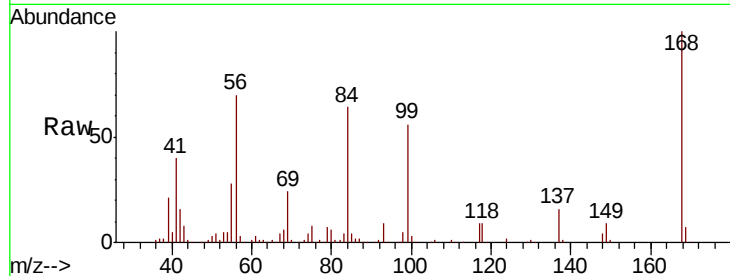
99 56.4 48.6 73.0

Manual Integrations

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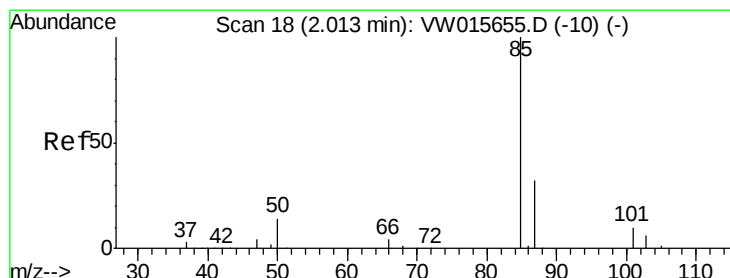
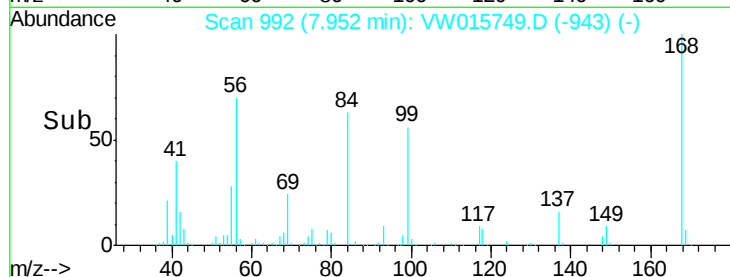
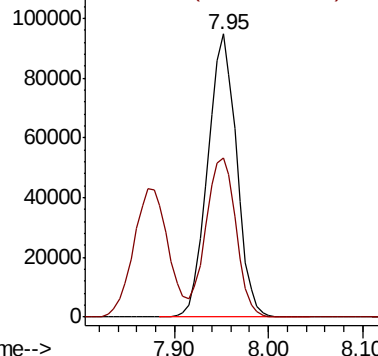
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.191 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015749.D

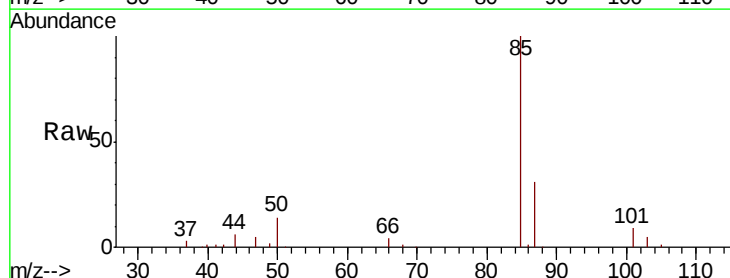
Acq: 26 Jun 2020 16:18

Tgt Ion: 85 Resp: 62862

Ion Ratio Lower Upper

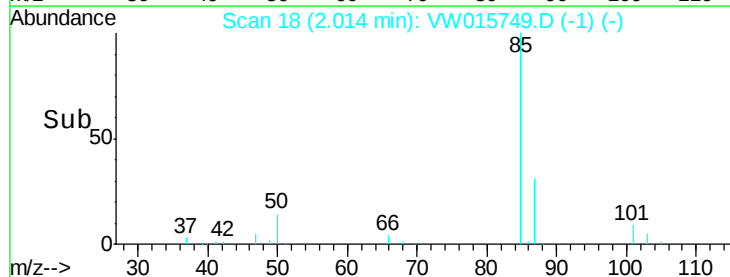
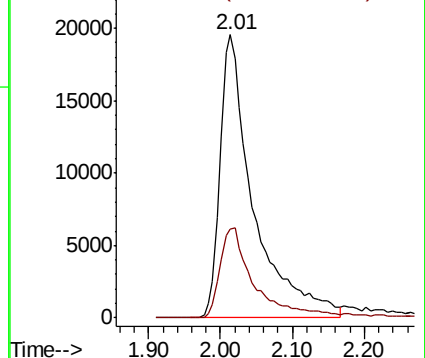
85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.801 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 67608

Ion Ratio Lower Upper

50 100

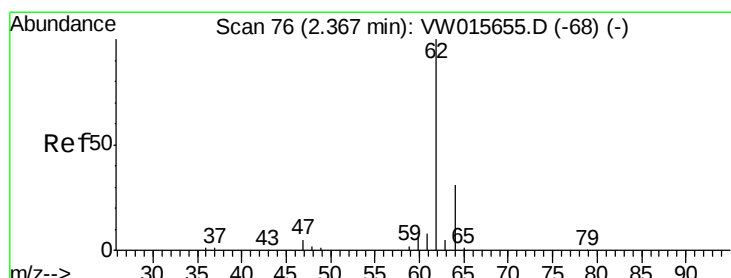
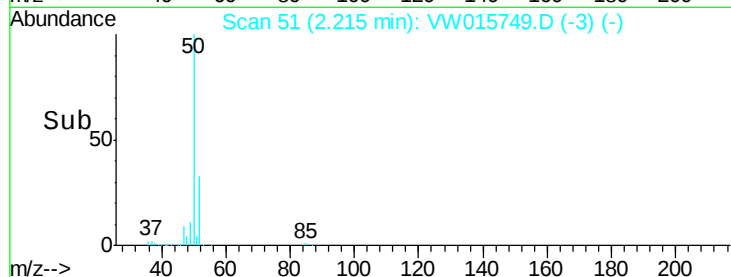
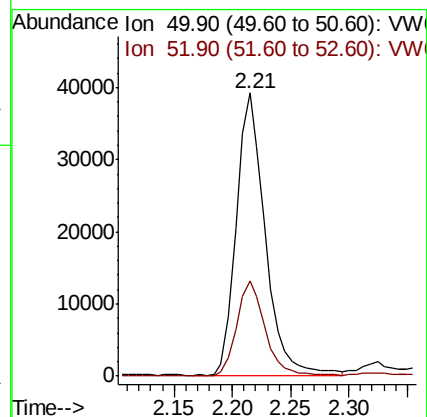
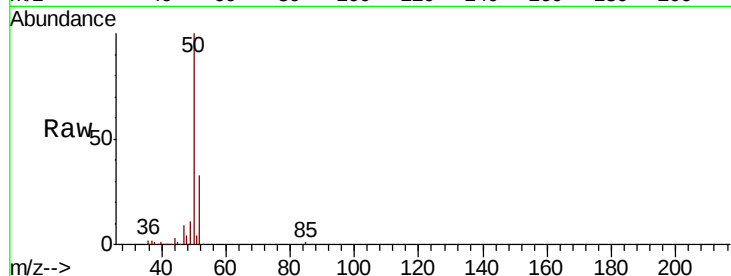
52 33.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.052 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015749.D

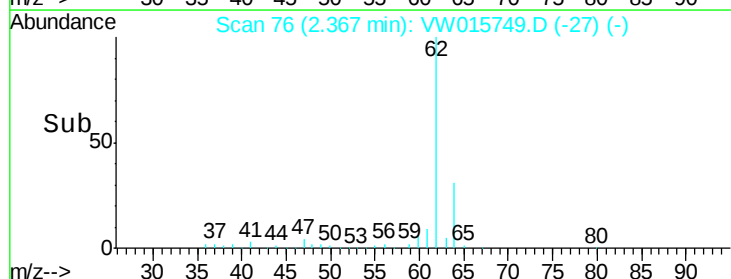
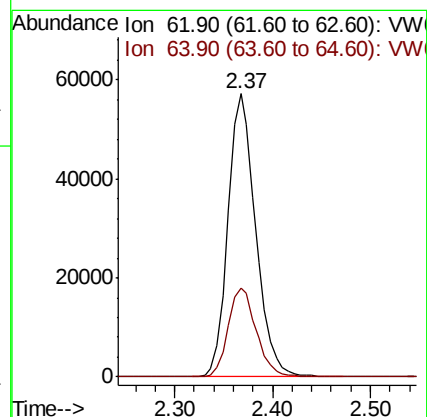
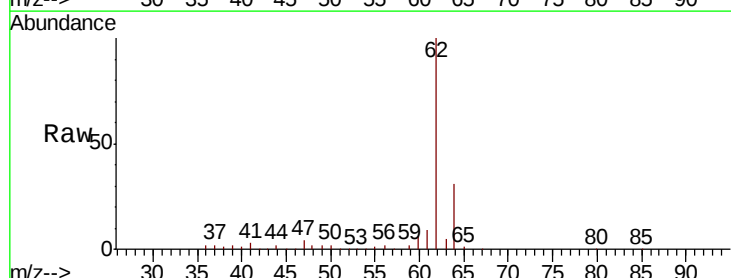
Acq: 26 Jun 2020 16:18

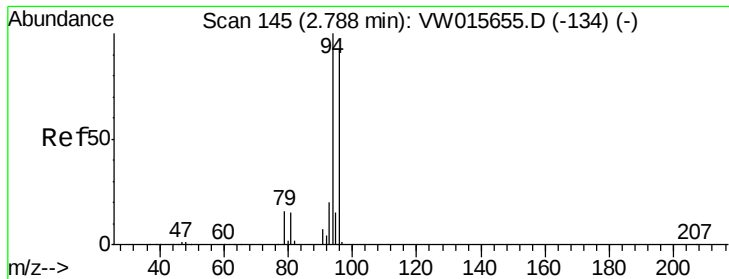
Tgt Ion: 62 Resp: 112160

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7





#5

Bromomethane

Concen: 48.882 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 82149

Ion Ratio Lower Upper

94 100

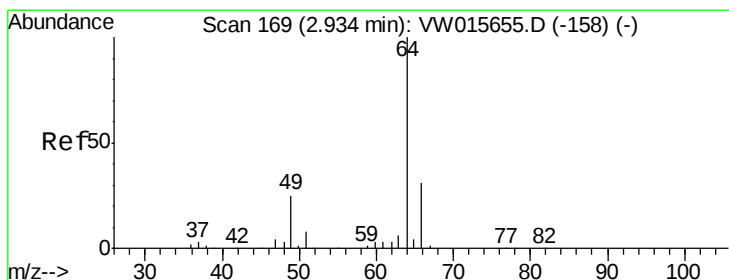
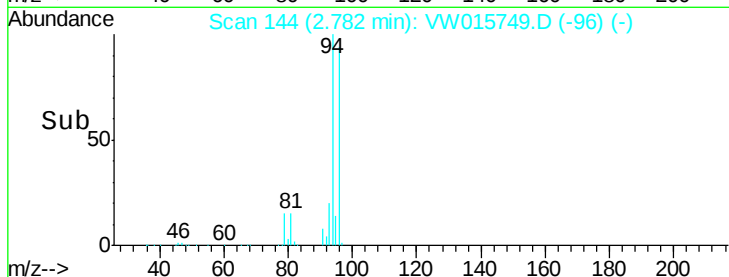
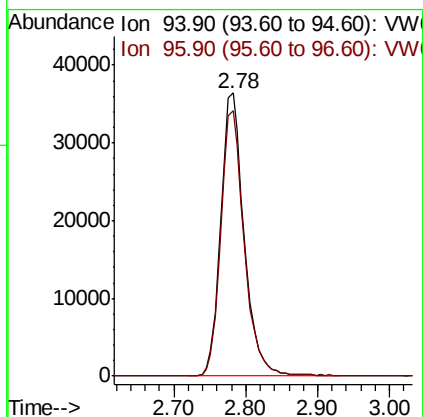
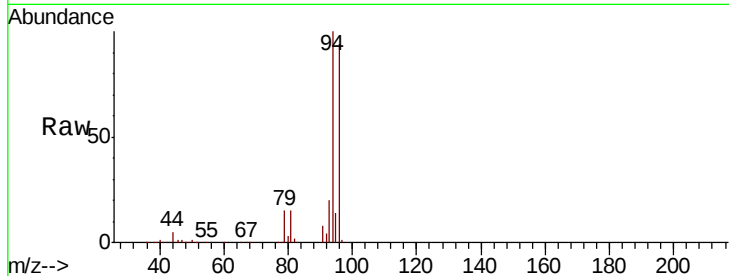
96 93.4 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 50.296 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015749.D

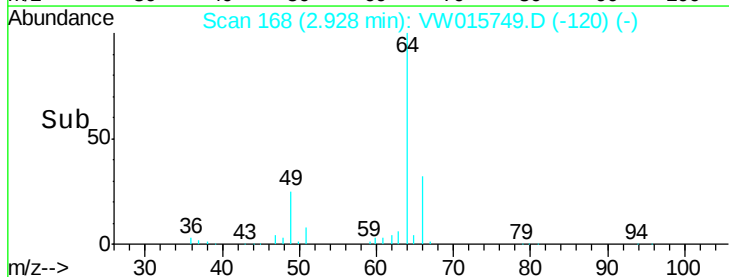
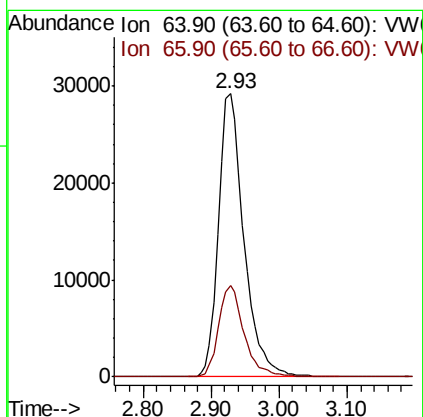
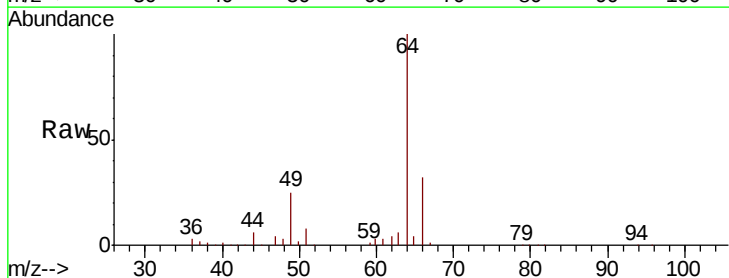
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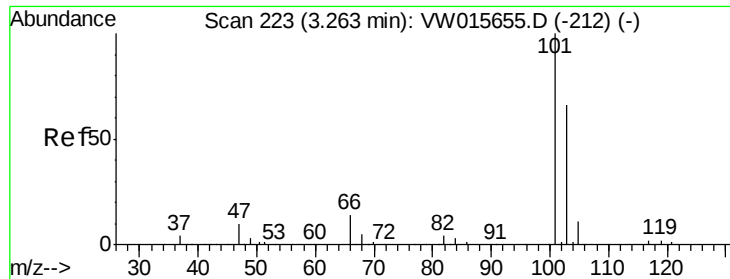
Tgt Ion: 64 Resp: 75682

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9





#7

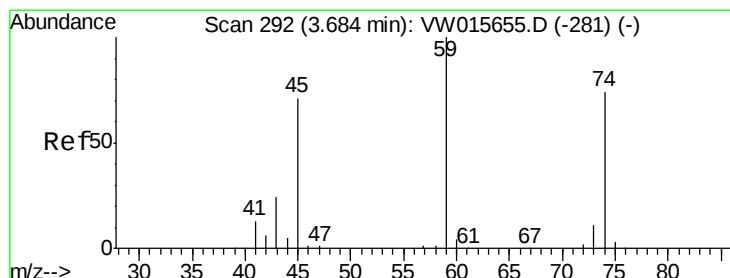
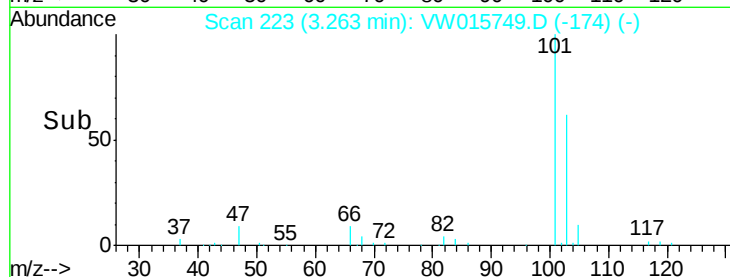
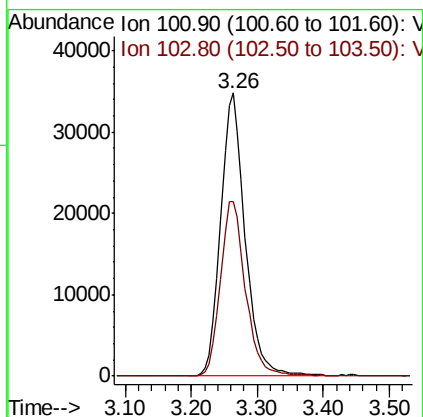
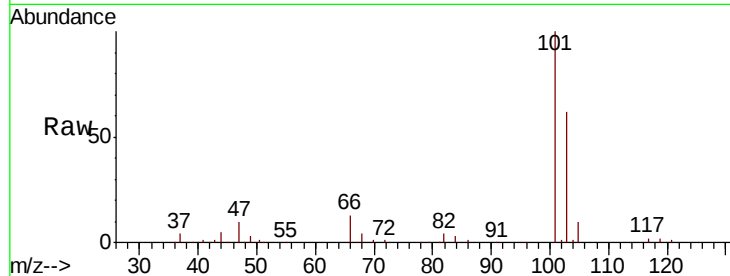
Trichlorofluoromethane
Concen: 52.016 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.6	78.8

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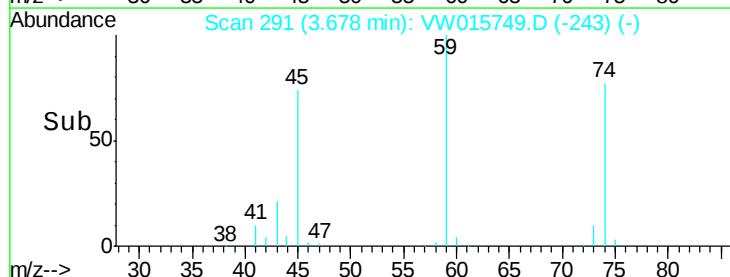
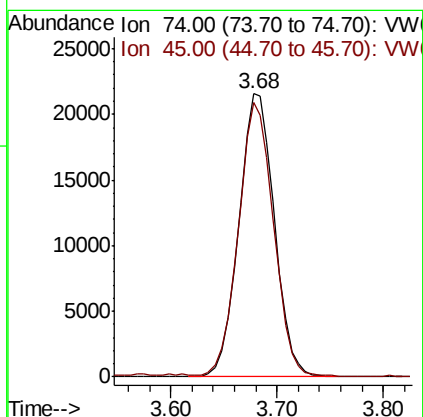
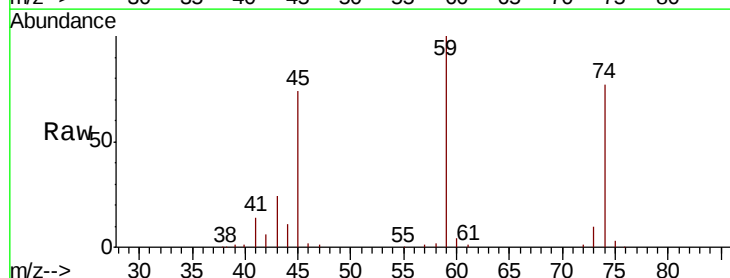
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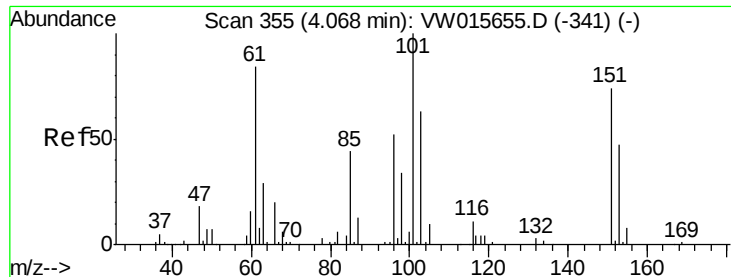


#8

Diethyl Ether
Concen: 50.855 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.481 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015749.D

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MSVOA_W

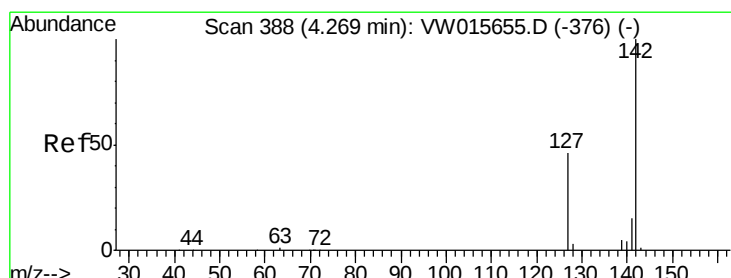
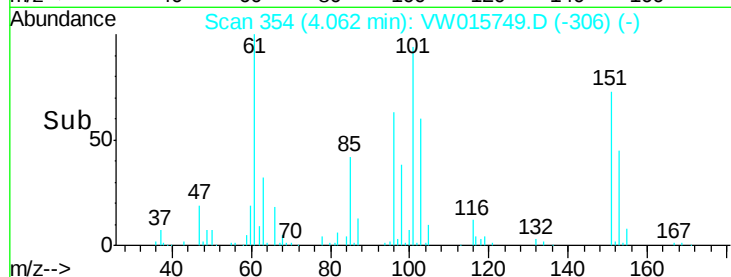
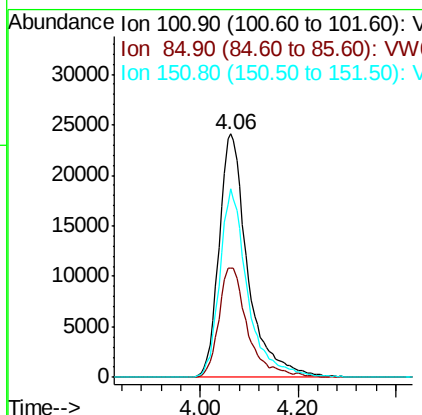
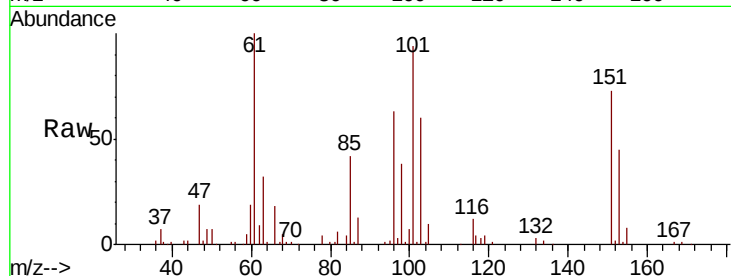
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	98110
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.6	55.0
151	75.8	60.4	90.6

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#10

Methyl Iodide

Concen: 48.890 ug/l

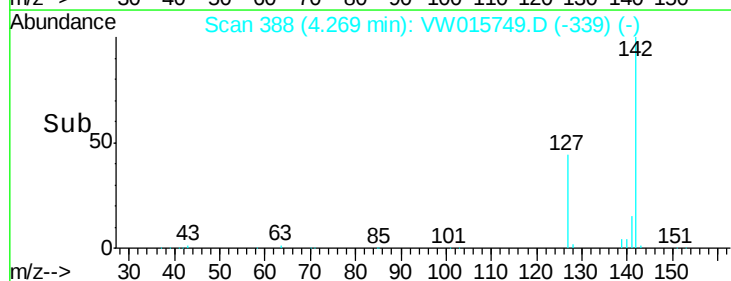
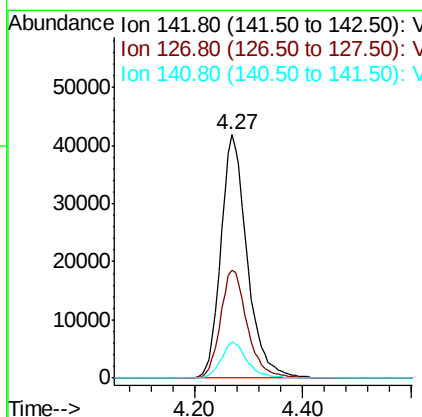
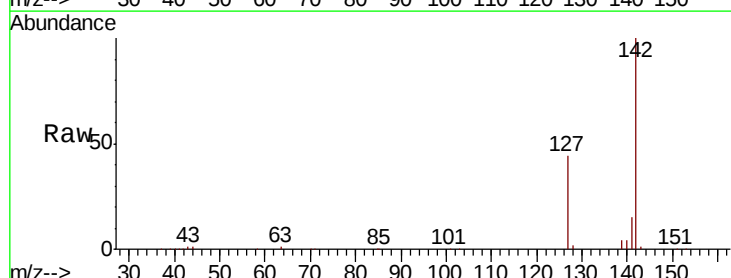
RT: 4.27 min Scan# 388

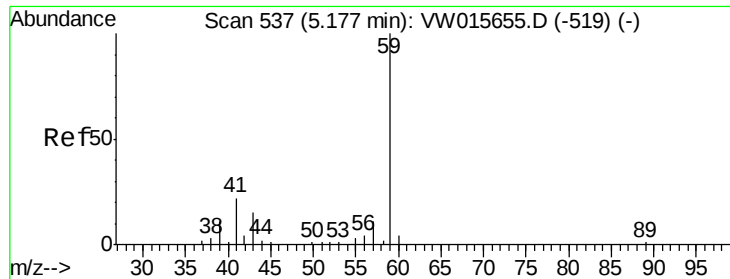
Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Tgt Ion:	142	Resp:	139897
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.4	54.6
141	14.5	11.6	17.4





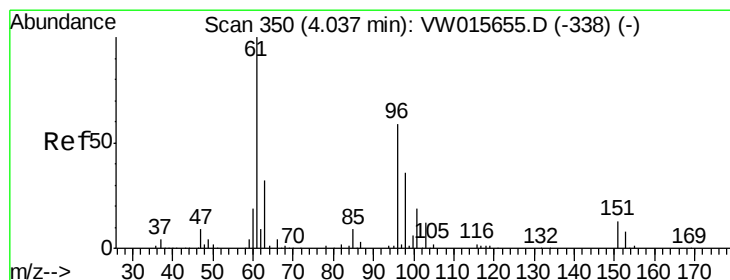
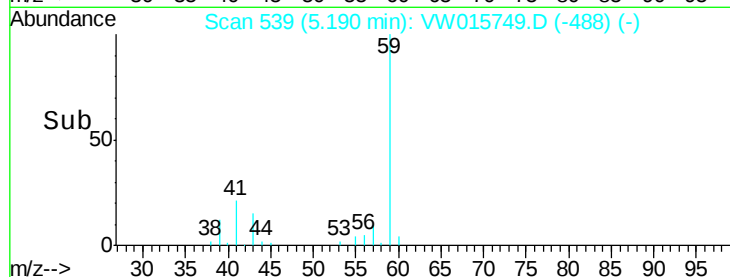
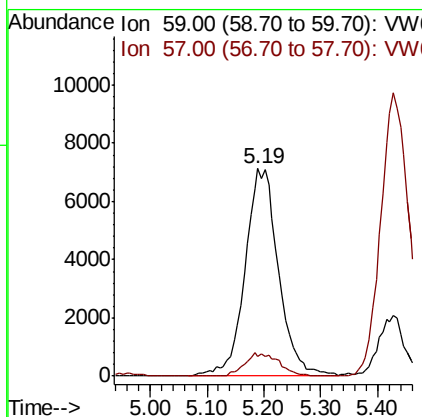
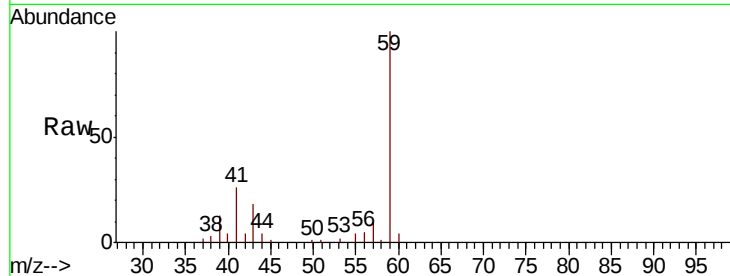
#11
Tert butyl alcohol
Concen: 231.467 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.4	12.6

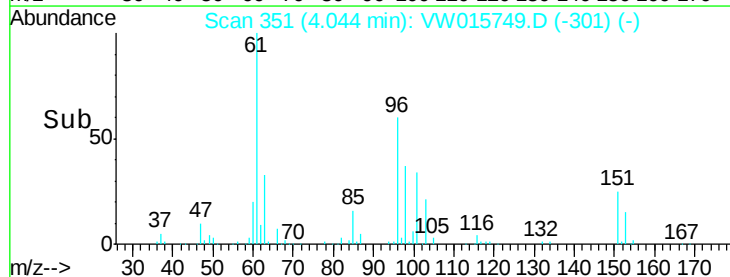
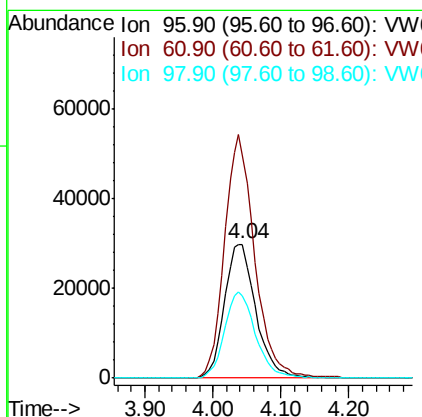
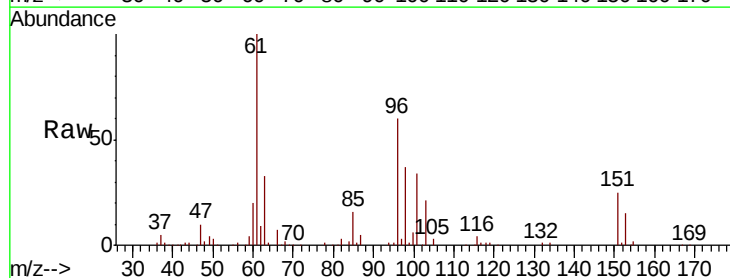
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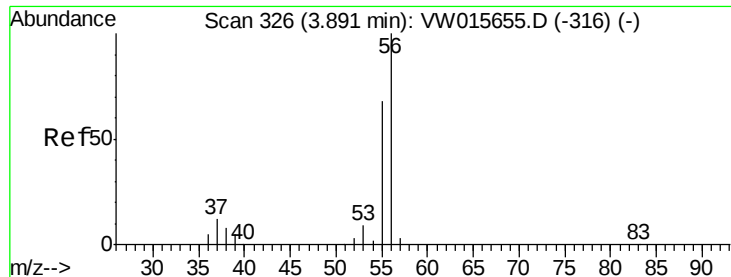
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.582 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.6	136.7	205.1
98	61.4	49.2	73.8





#13

Acrolein

Concen: 182.703 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 28526

Ion Ratio Lower Upper

56 100

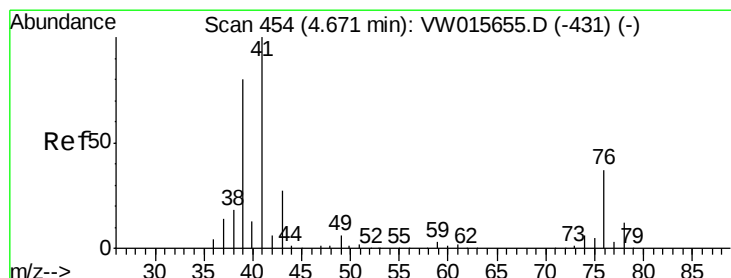
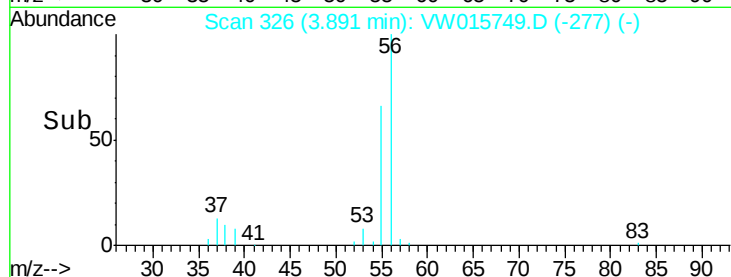
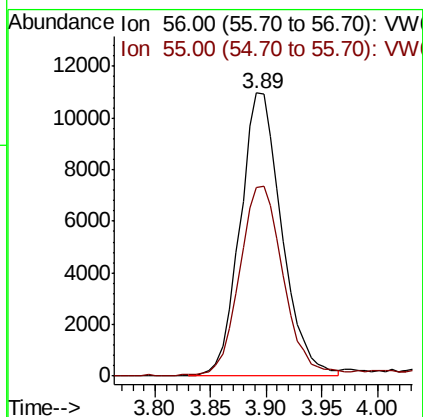
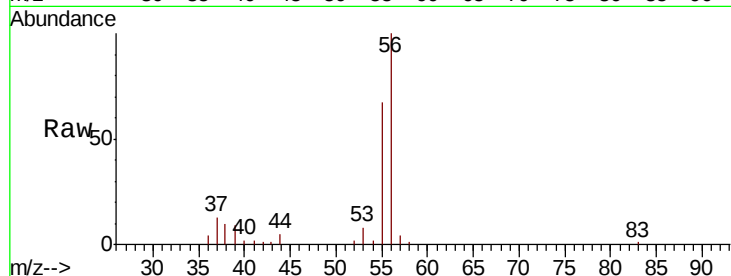
55 70.8 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 48.859 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

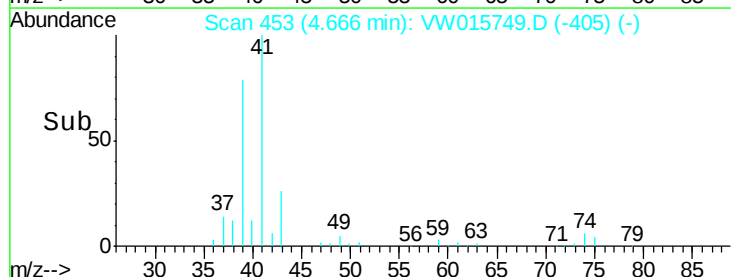
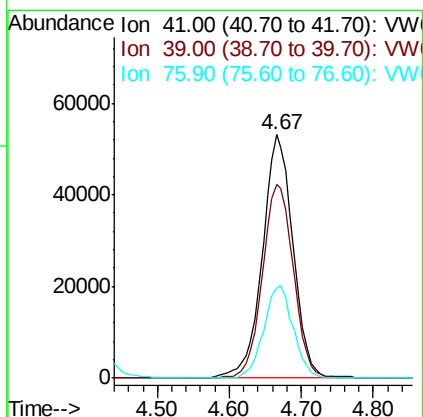
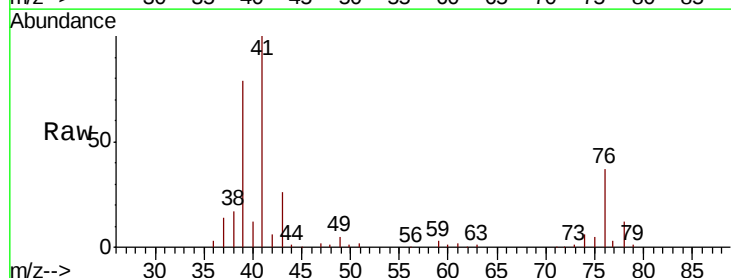
Tgt Ion: 41 Resp: 156197

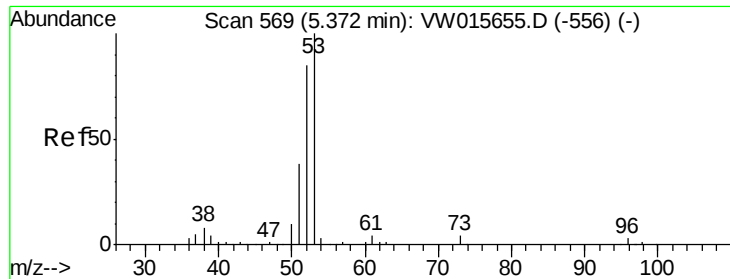
Ion Ratio Lower Upper

41 100

39 80.7 64.6 97.0

76 36.5 29.1 43.7





#15

Acrylonitrile

Concen: 255.270 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

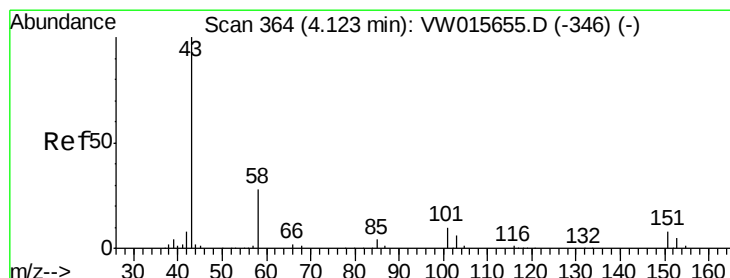
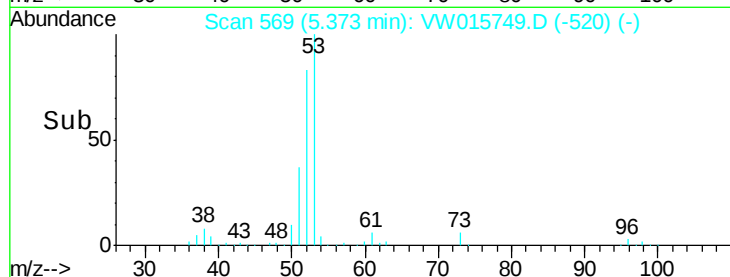
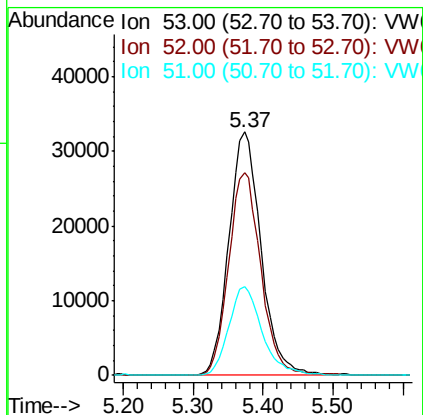
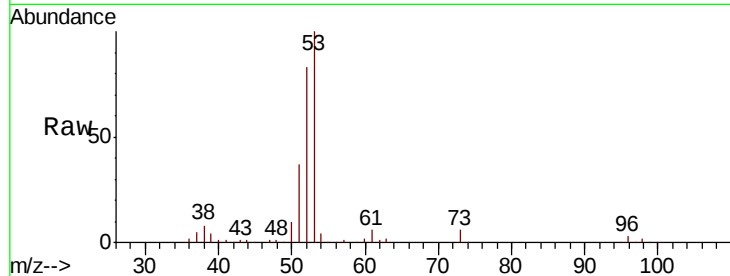
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	104428
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.8	98.6
51	37.9	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 260.653 ug/l

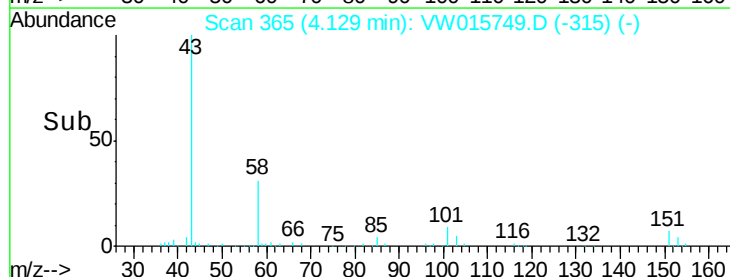
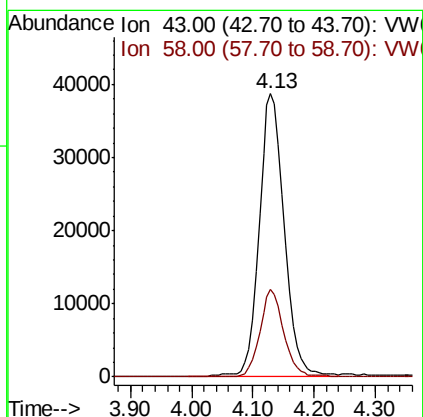
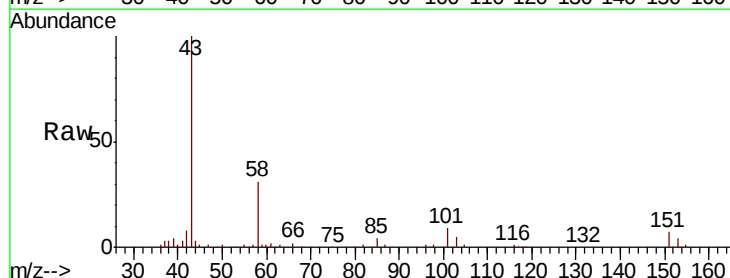
RT: 4.13 min Scan# 365

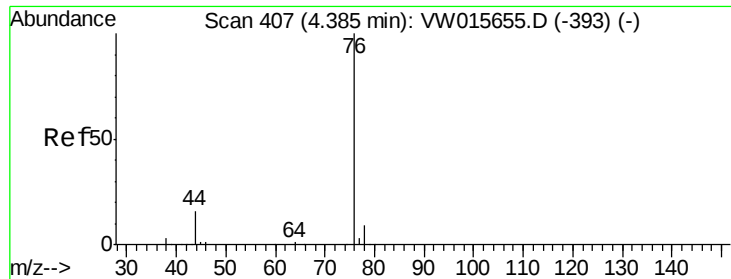
Delta R.T. 0.01 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Tgt Ion:	43	Resp:	111370
Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.6	33.8





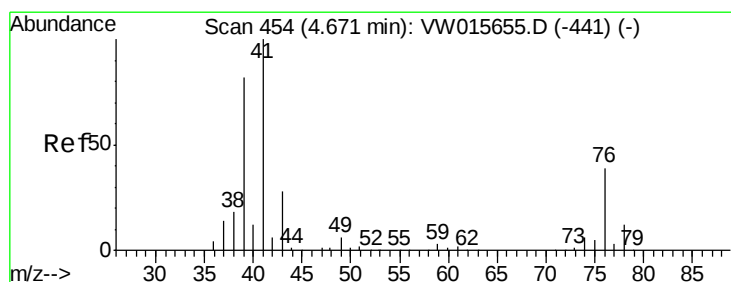
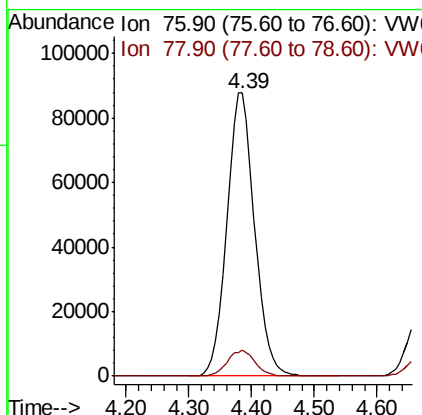
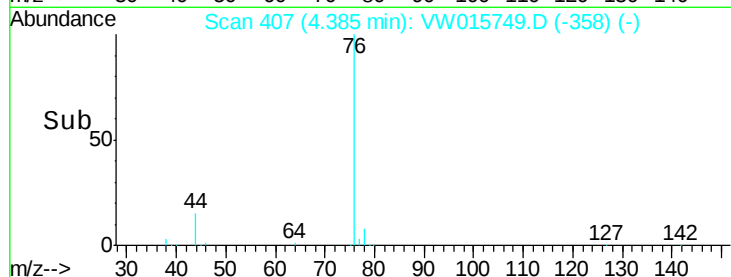
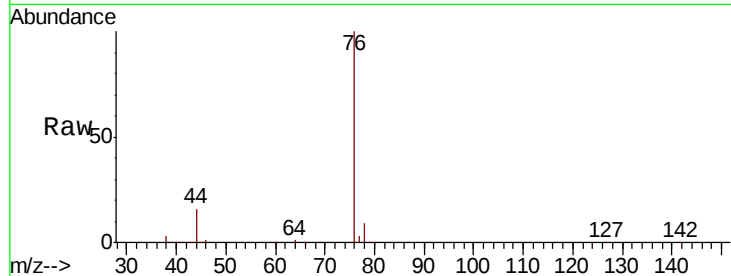
#17
Carbon Disulfide
Concen: 47.112 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

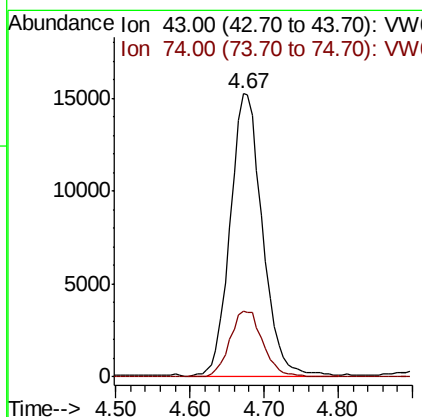
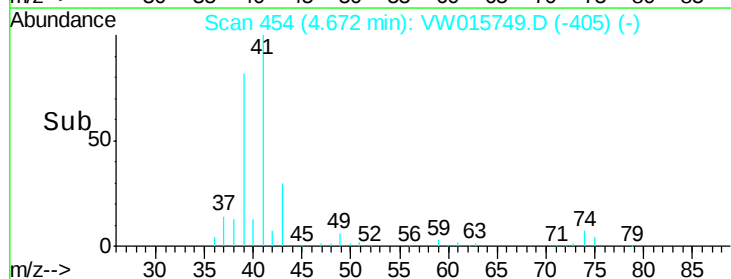
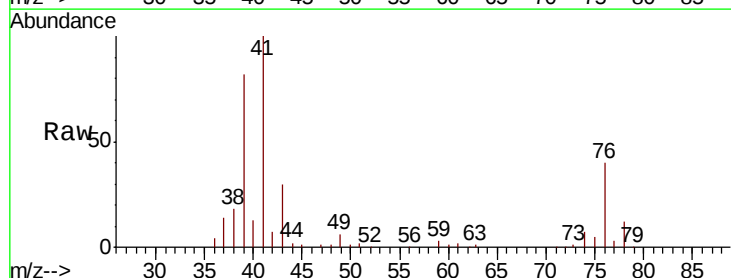
Manual Integrations
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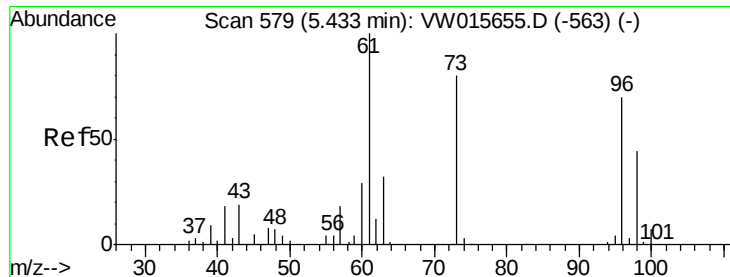
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#18
Methyl Acetate
Concen: 53.022 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.0	28.6





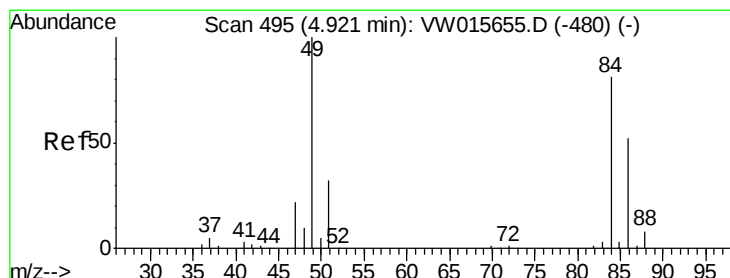
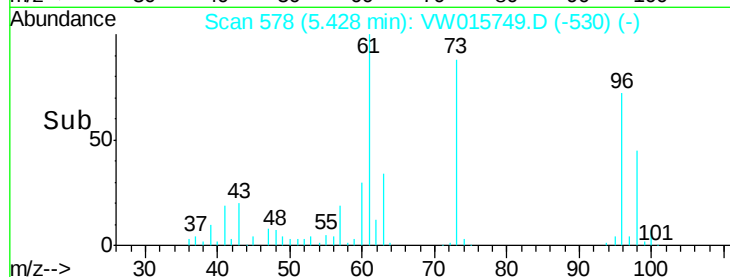
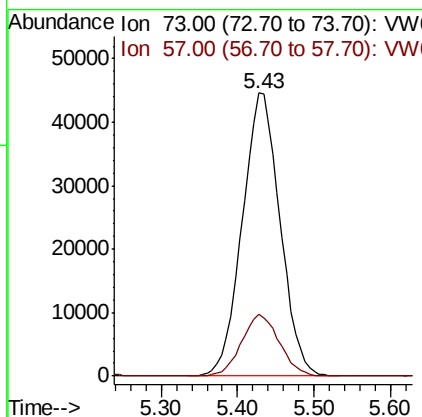
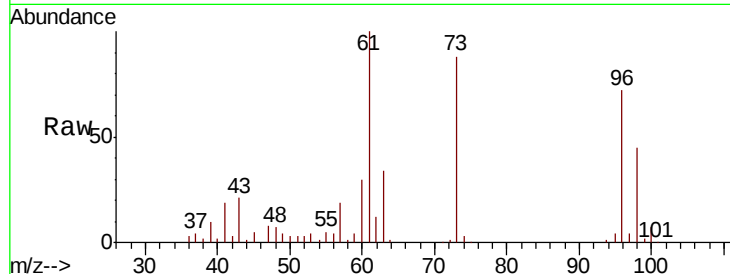
#19
Methvl tert-butvl Ether
Concen: 51.602 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 153030
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

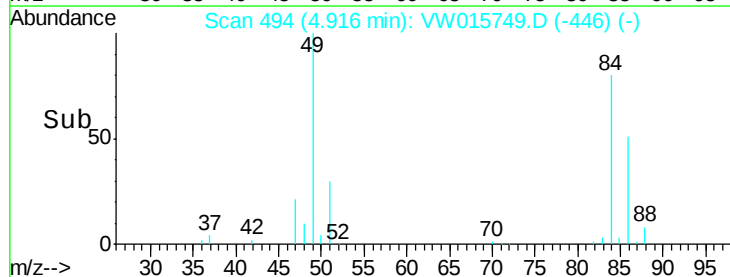
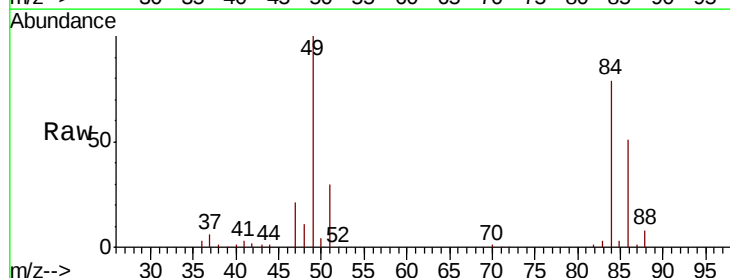
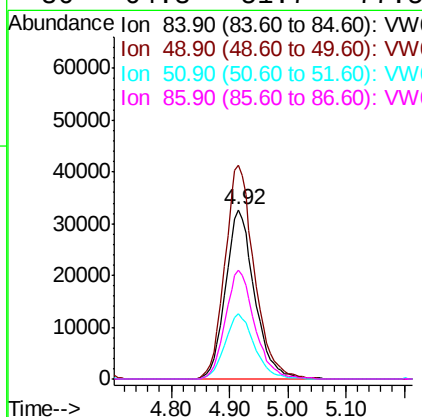
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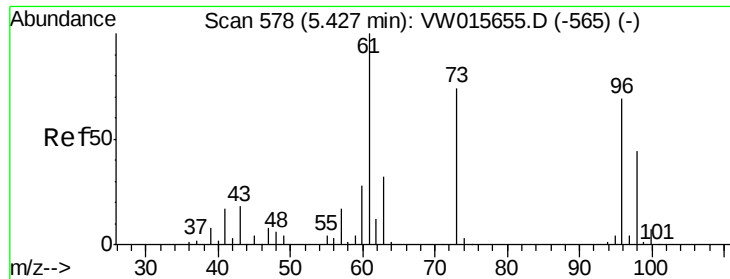
MMDadoda
6/29/2020 12:34:05 PM



#20
Methylene Chloride
Concen: 54.732 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion: 84 Resp: 113043
Ion Ratio Lower Upper
84 100
49 126.2 99.3 148.9
51 38.3 31.8 47.6
86 64.3 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 49.207 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 111169

Ion Ratio Lower Upper

96 100

61 139.4 116.2 174.2

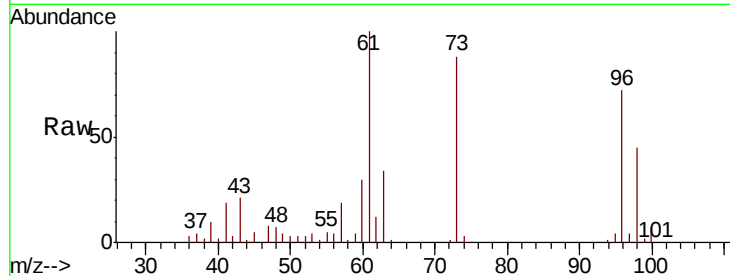
98 63.3 51.4 77.0

Manual Integrations

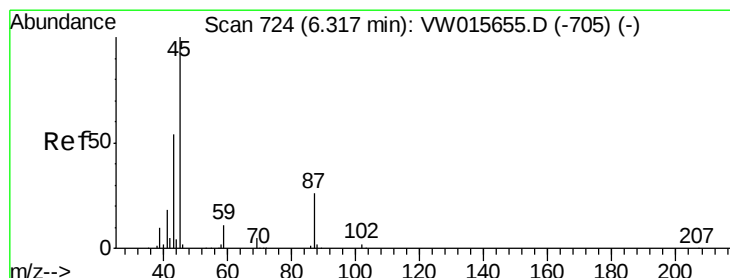
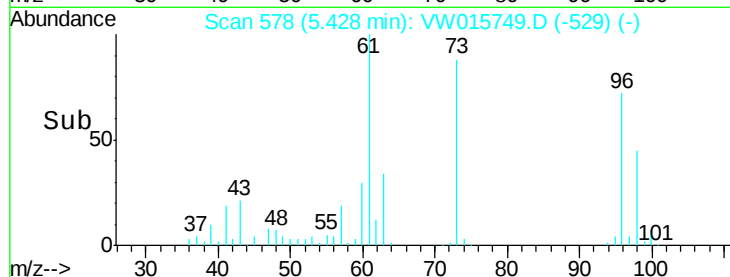
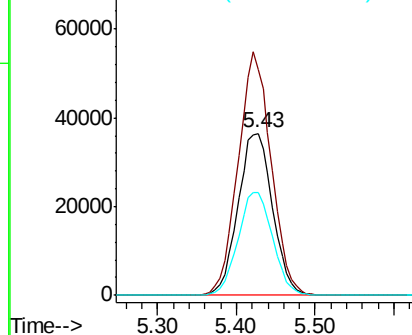
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 50.198 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Tgt Ion: 45 Resp: 319174

Ion Ratio Lower Upper

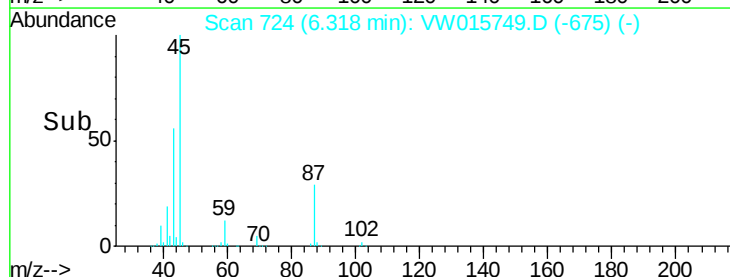
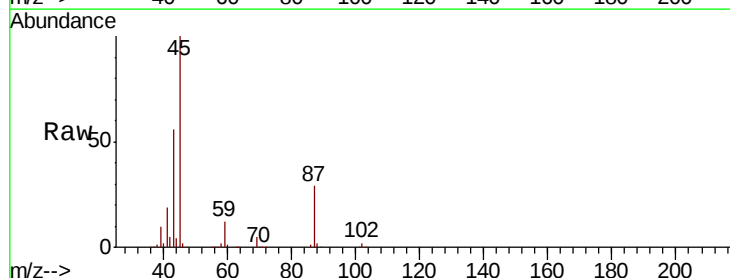
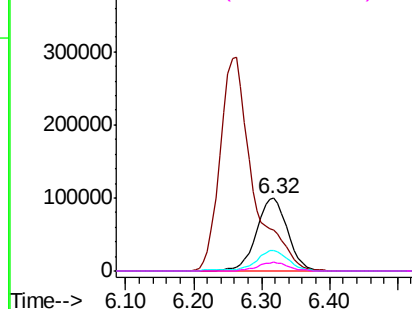
45 100

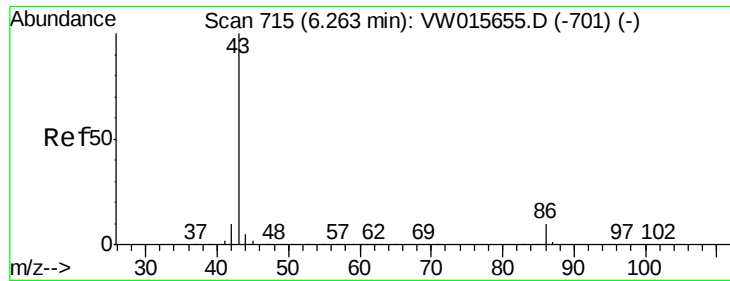
43 56.1 43.9 65.9

87 28.5 21.2 31.8

59 11.7 9.2 13.8

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 262.997 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 975167

Ion Ratio Lower Upper

43 100

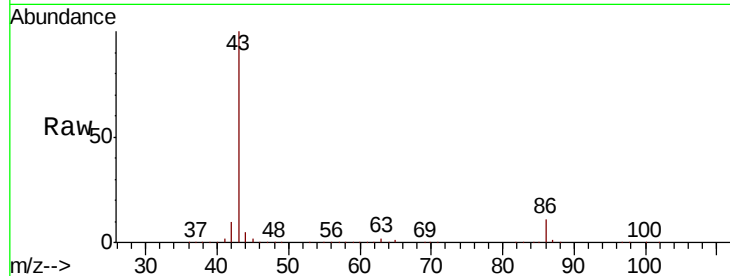
86 10.8 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

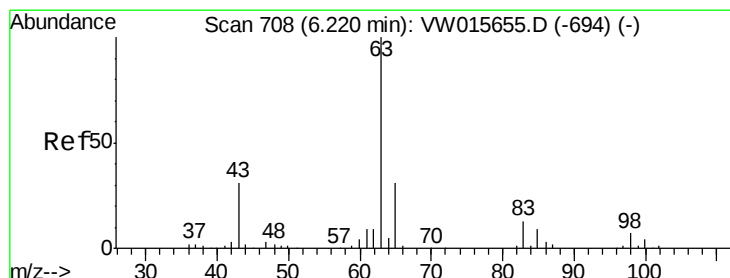
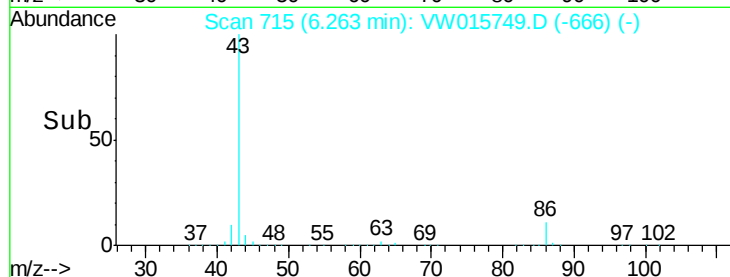
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.038 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

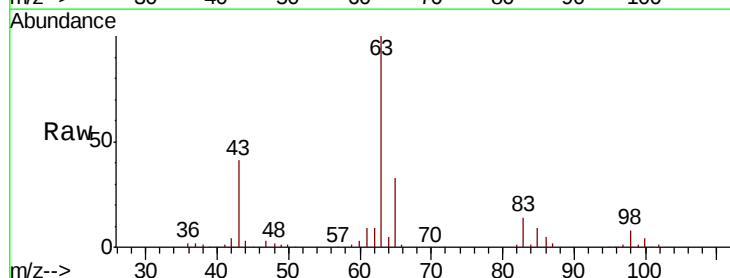
Tgt Ion: 63 Resp: 196270

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 4.5 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

80000

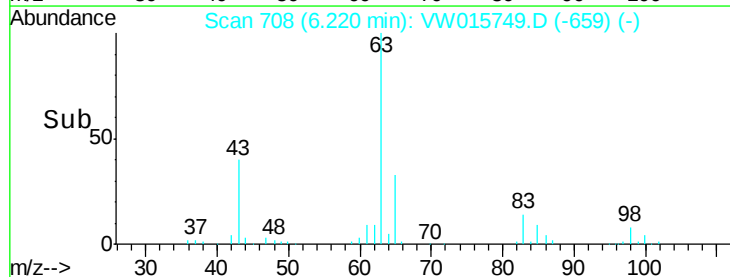
60000

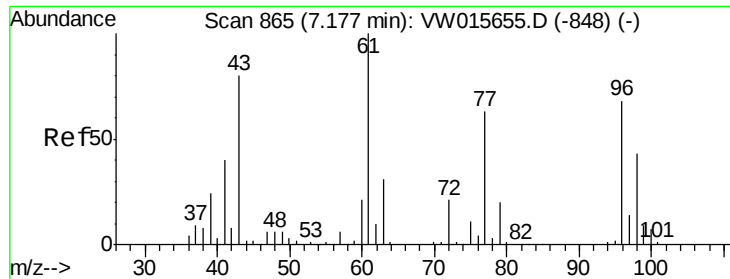
40000

20000

0

Time-->





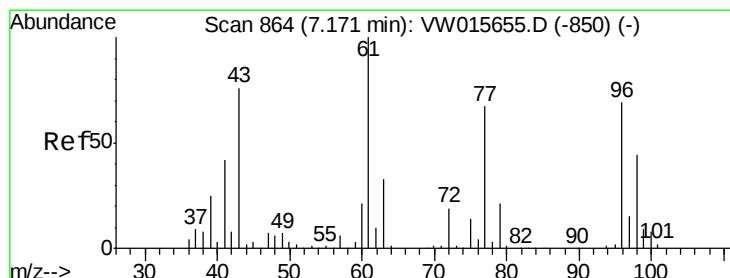
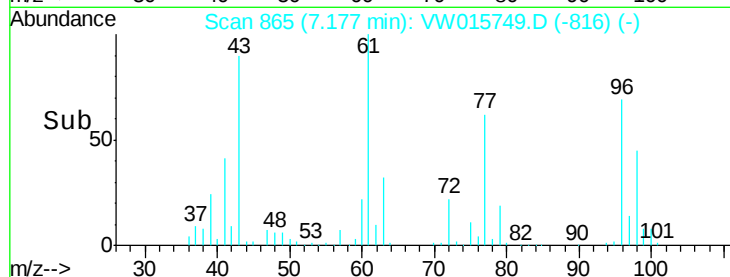
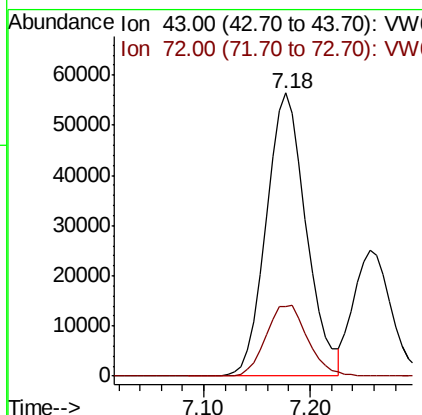
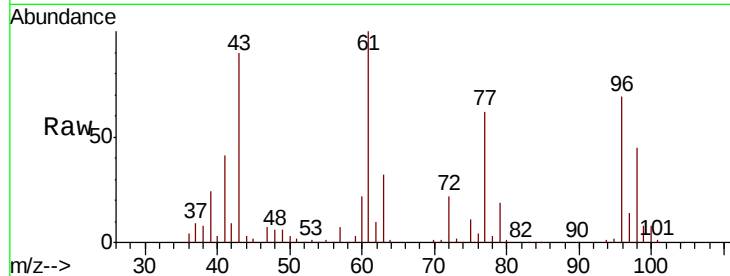
#25
2-Butanone
Concen: 254.717 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 147092
Ion Ratio Lower Upper
43 100
72 24.7 21.1 31.7

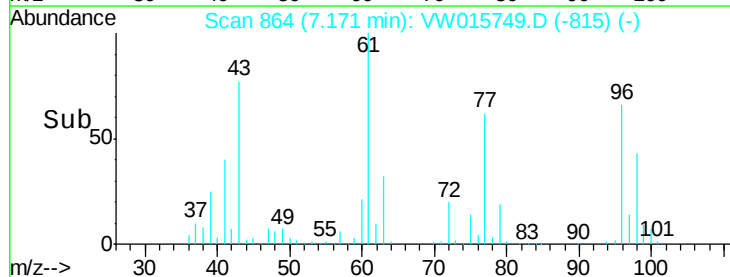
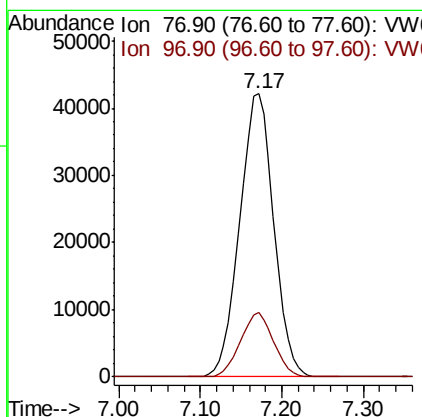
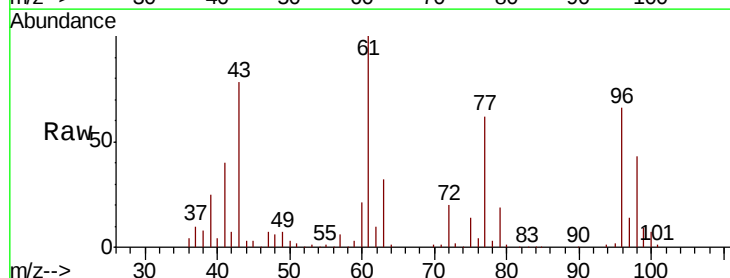
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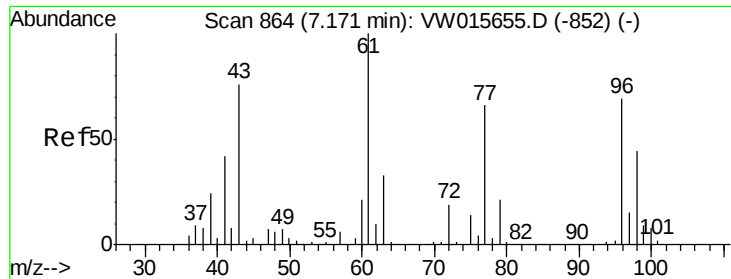
MMDadoda
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#26
2,2-Dichloropropane
Concen: 45.509 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion: 77 Resp: 122168
Ion Ratio Lower Upper
77 100
97 22.1 11.2 33.5





#27

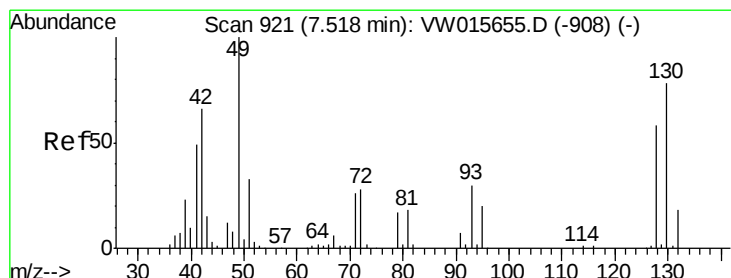
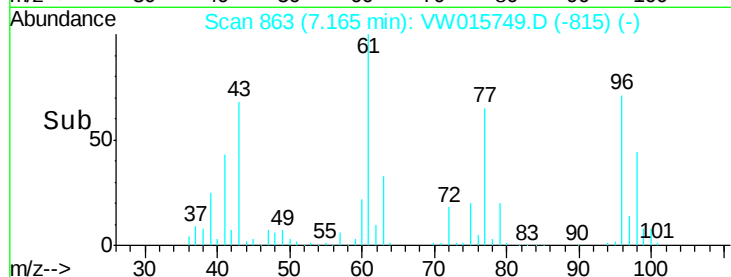
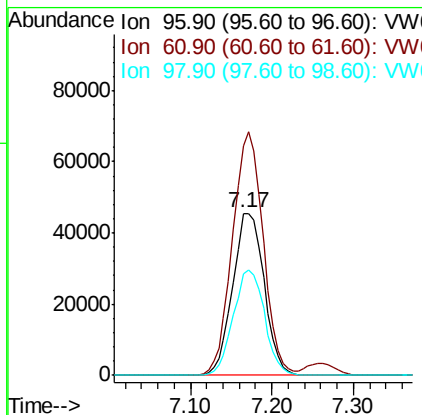
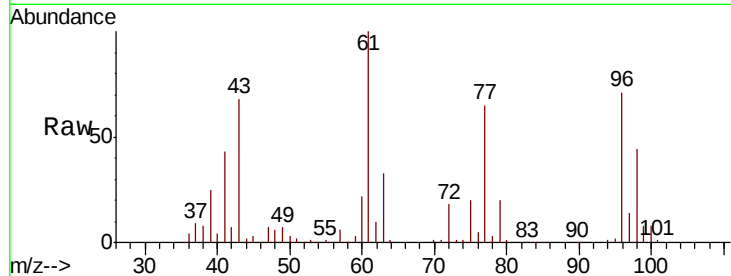
cis-1,2-Dichloroethene
Concen: 50.040 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	121613		
61	146.0	0.0	296.8	
98	64.4	0.0	128.0	

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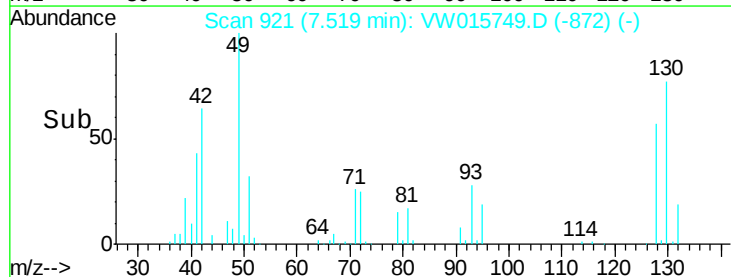
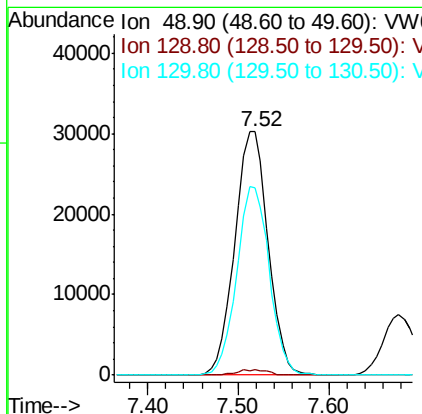
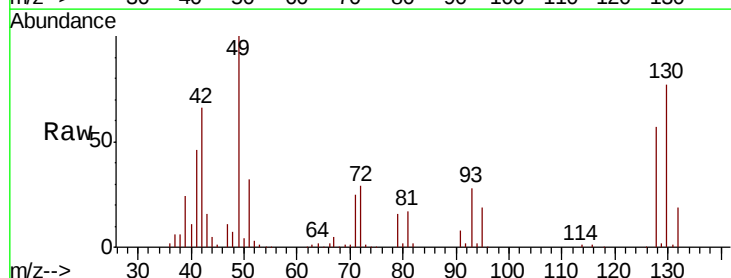
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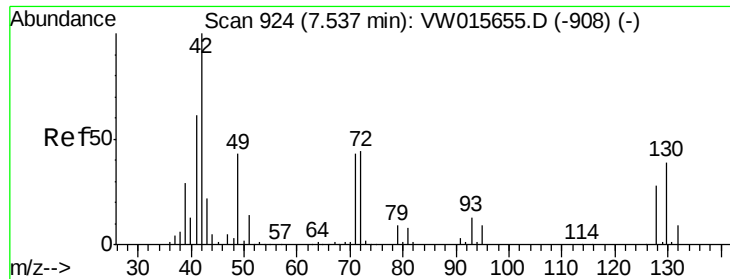


#28

Bromochloromethane
Concen: 50.032 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	77028		
129	2.0	0.0	2.2	
130	75.6	61.0	91.4	





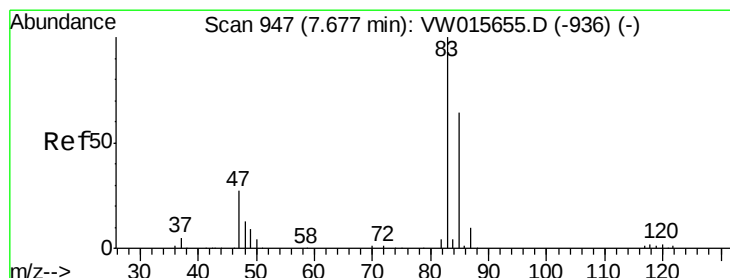
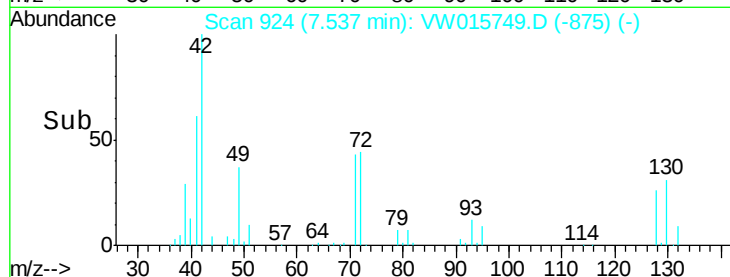
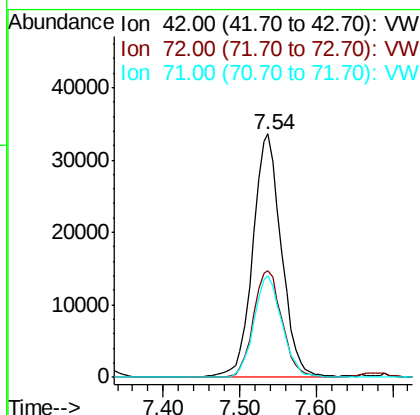
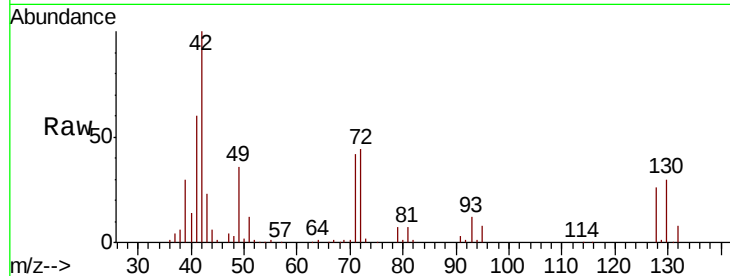
#29
Tetrahydrofuran
Concen: 258.064 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.6
71	41.0	32.6	49.0

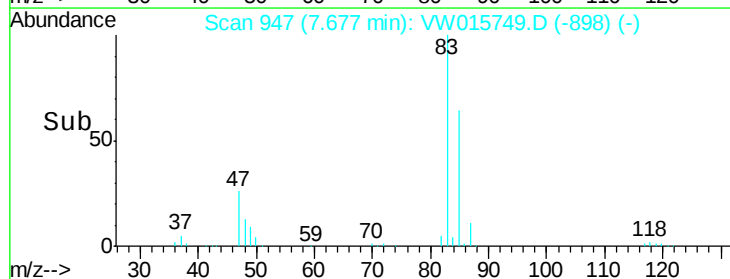
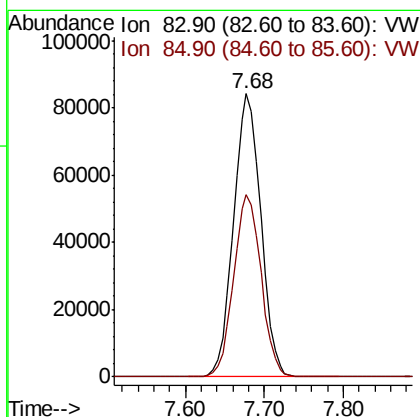
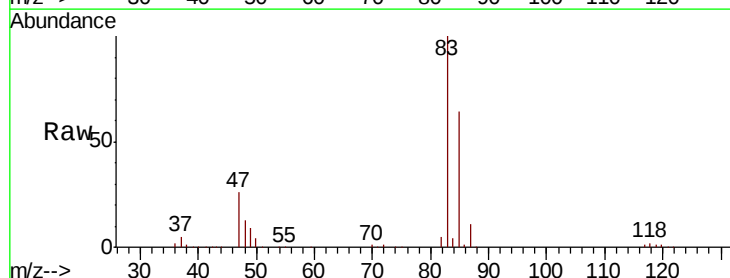
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APPROVED

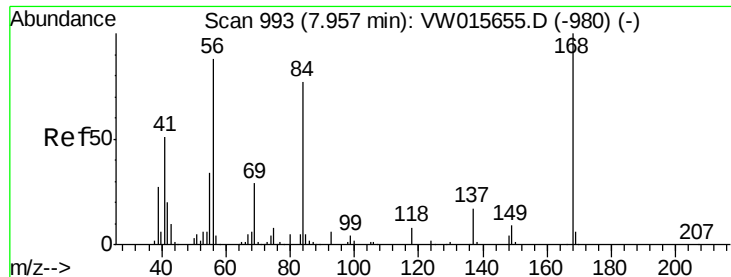
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#30
Chloroform
Concen: 49.381 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.0	76.4





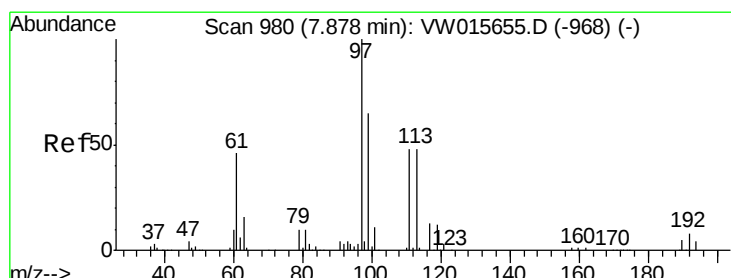
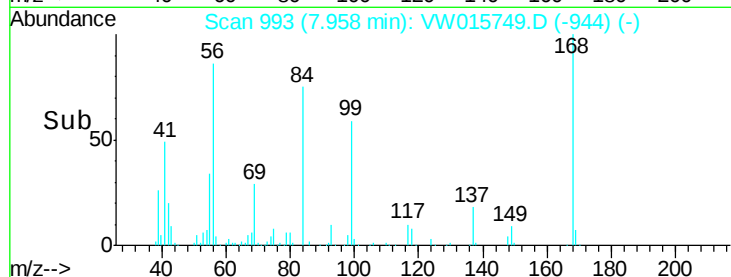
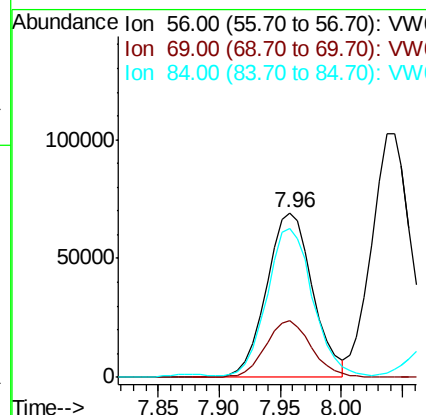
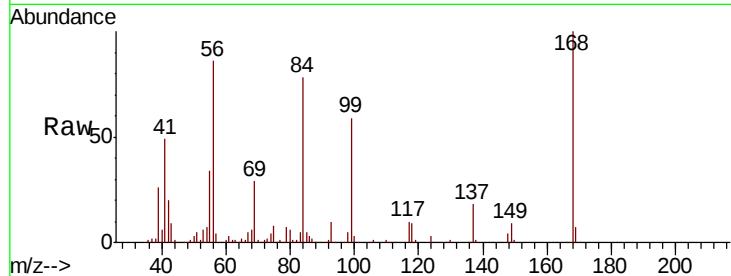
#31
Cyclohexane
Concen: 46.870 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	26.2	39.4
84	89.0	70.4	105.6

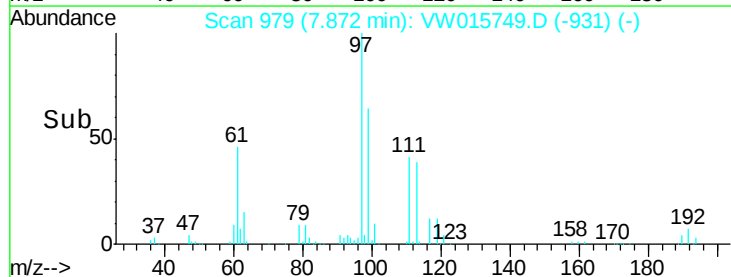
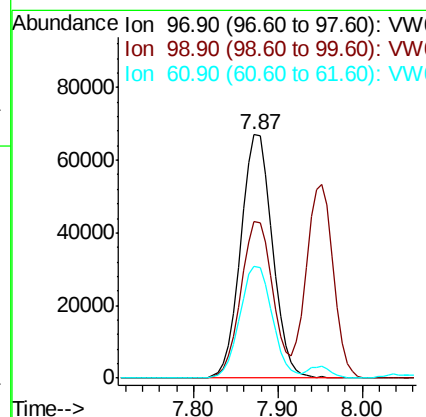
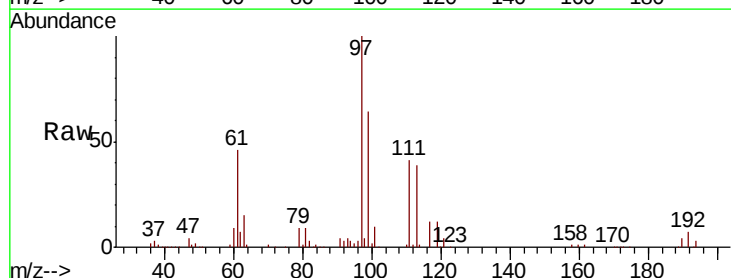
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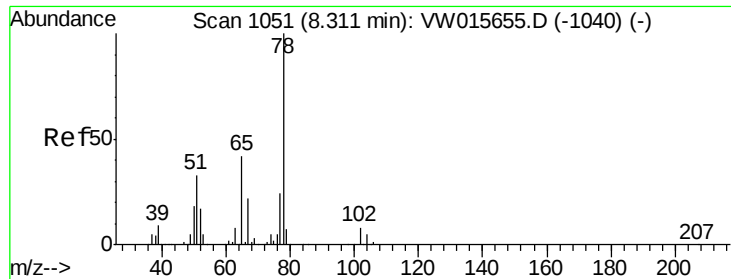
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#32
1,1,1-Trichloroethane
Concen: 48.738 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.9	77.9
61	47.0	37.3	55.9





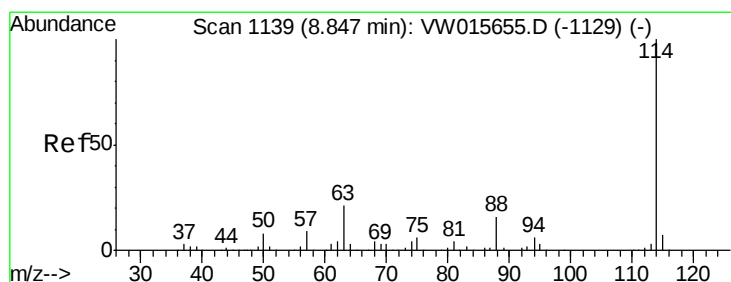
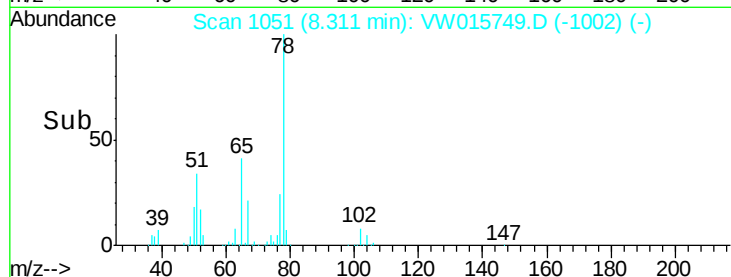
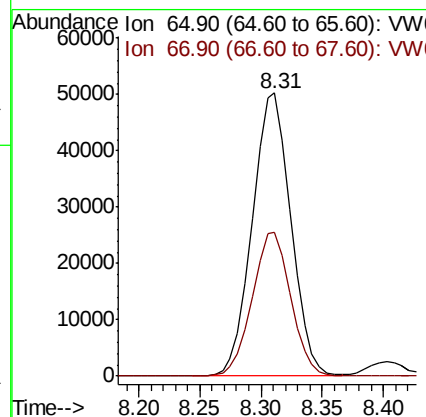
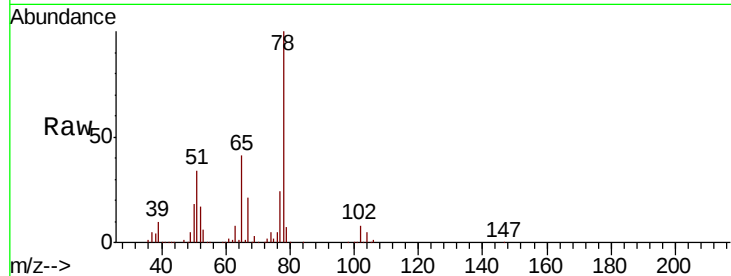
#33
 1,2-Dichloroethane-d4
 Concen: 49.196 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110573		
67	50.9	0.0	102.2	

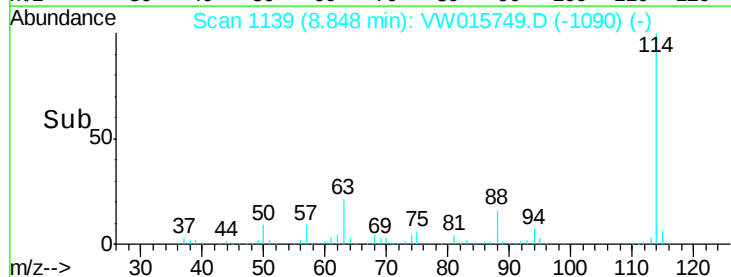
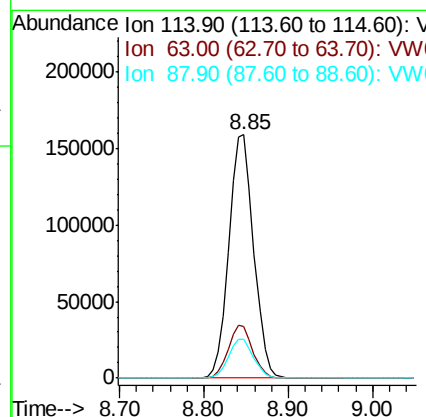
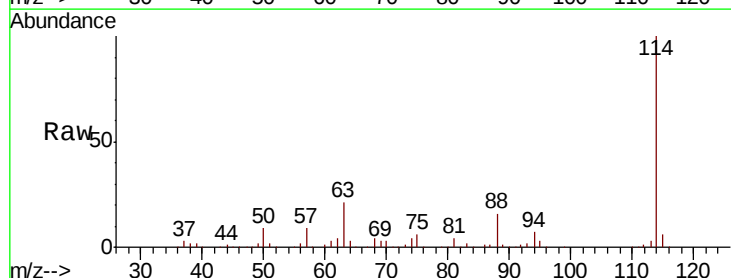
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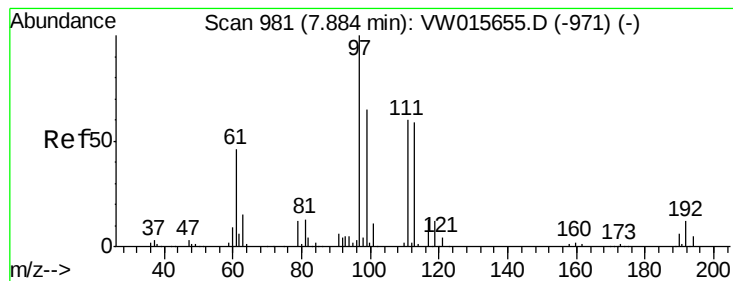
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	318106		
63	21.0	0.0	42.4	
88	15.7	0.0	32.6	





#35

Dibromofluoromethane

Concen: 50.291 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

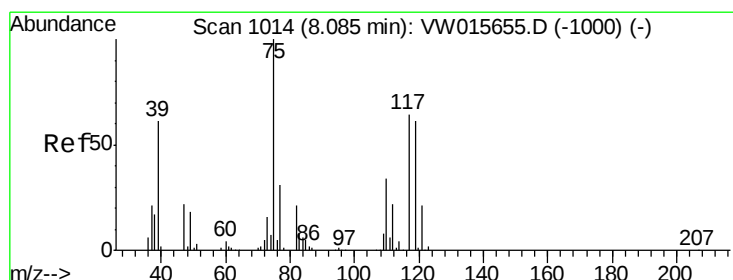
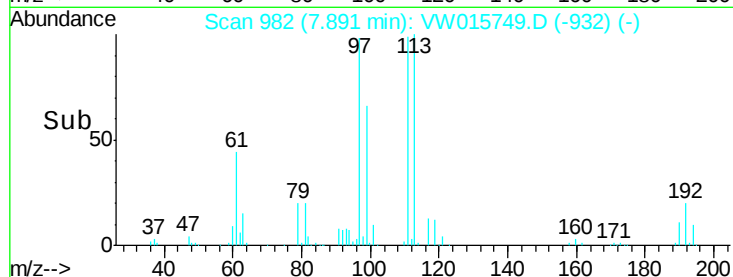
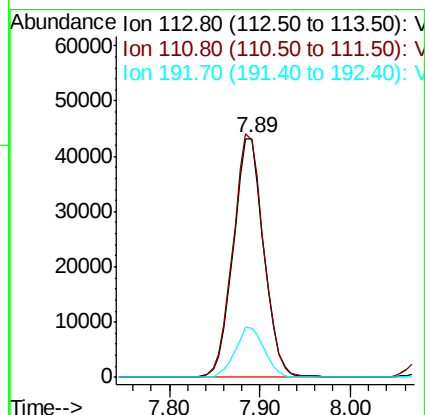
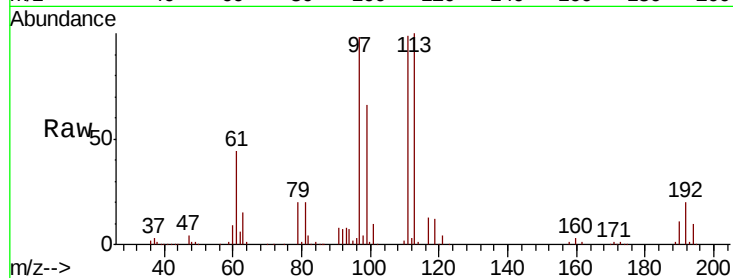
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	100632
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.3	123.5
192	20.2	16.4	24.6

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#36

1,1-Dichloropropene

Concen: 50.177 ug/l

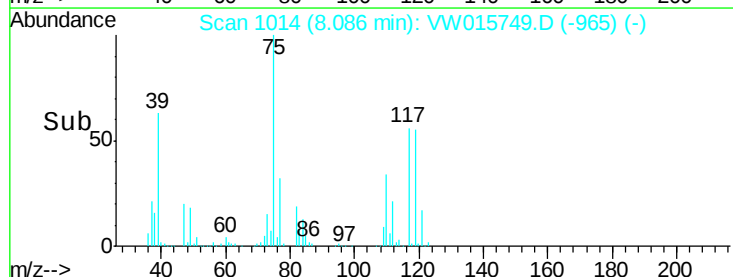
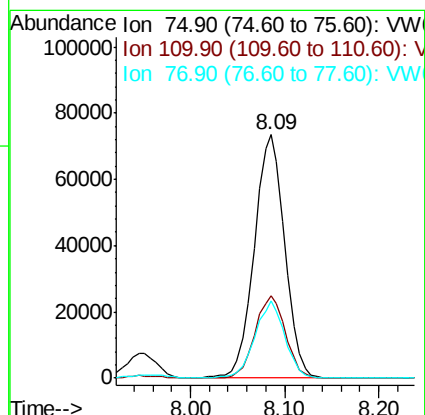
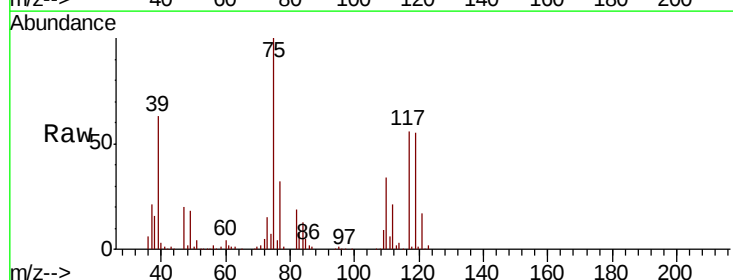
RT: 8.09 min Scan# 1014

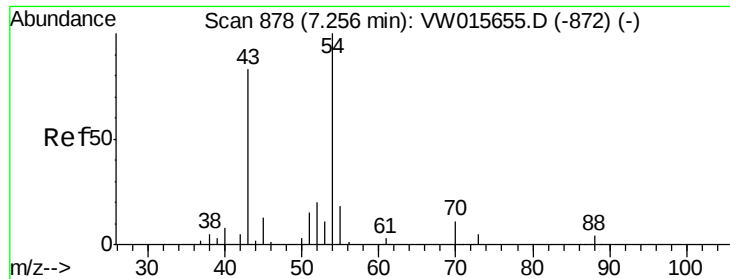
Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Tgt Ion:	75	Resp:	166015
Ion Ratio	Lower	Upper	
75	100		
110	33.8	17.0	51.0
77	31.1	24.6	36.8





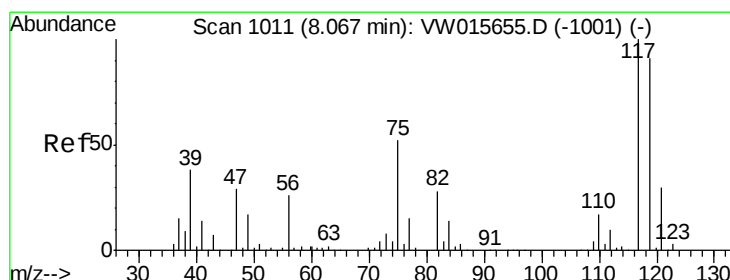
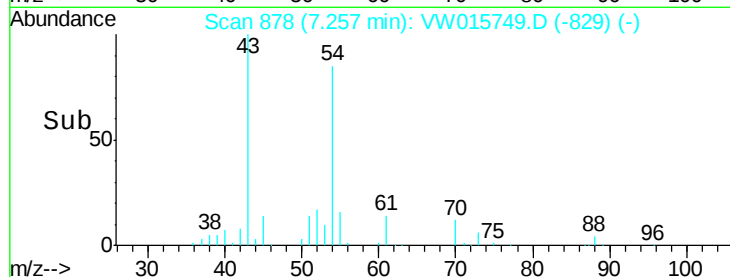
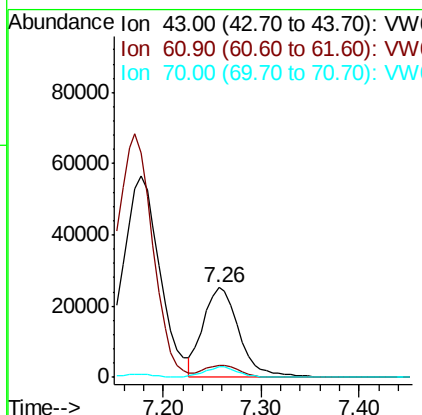
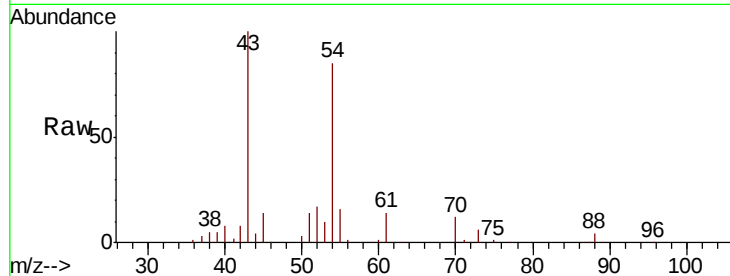
#37
Ethyl Acetate
Concen: 50.135 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.4	15.6
70	10.9	8.4	12.6

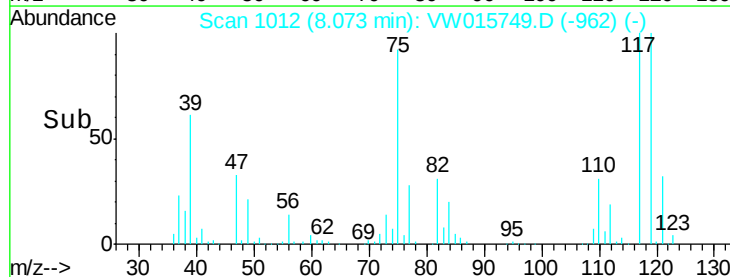
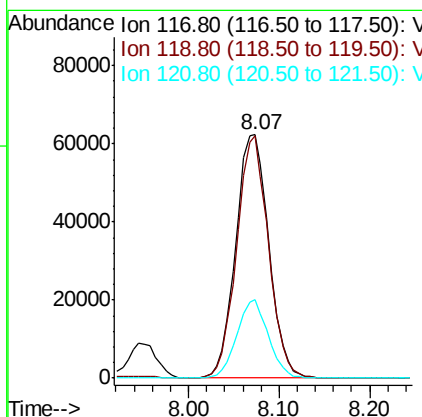
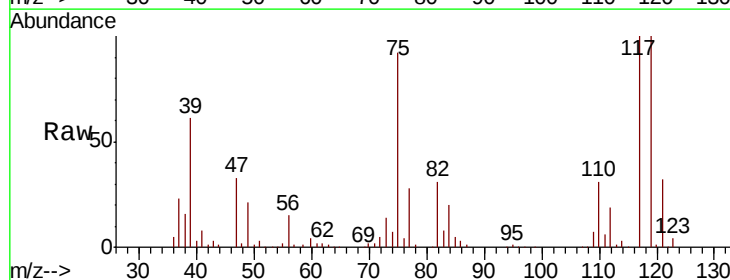
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#38
Carbon Tetrachloride
Concen: 49.210 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	73.2	109.8
121	32.1	23.9	35.9





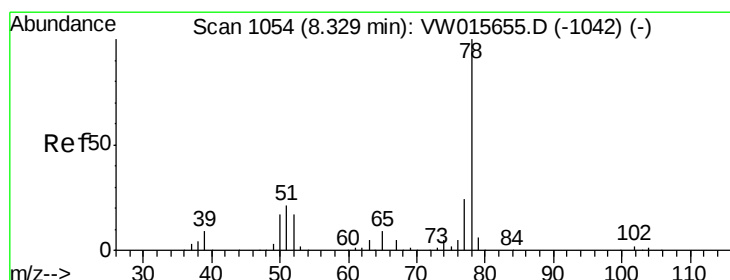
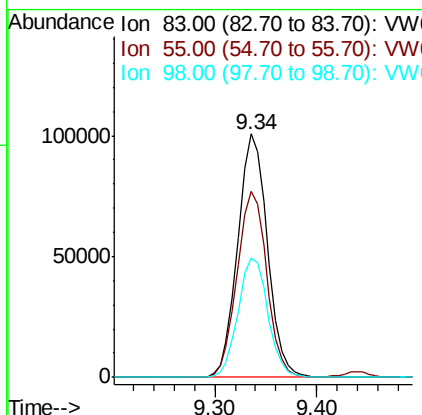
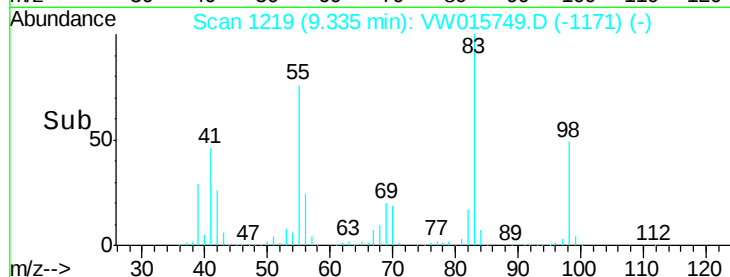
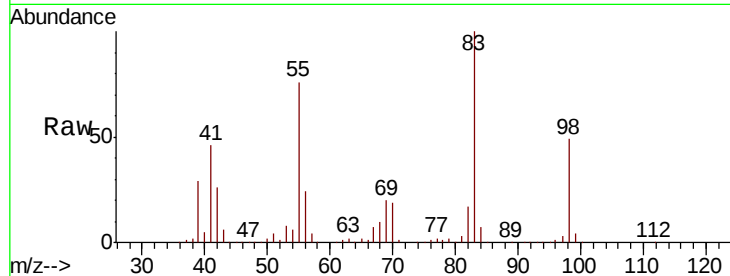
#39
Methvlcvclohexane
Concen: 50.839 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	62.8	94.2
98	49.0	39.9	59.9

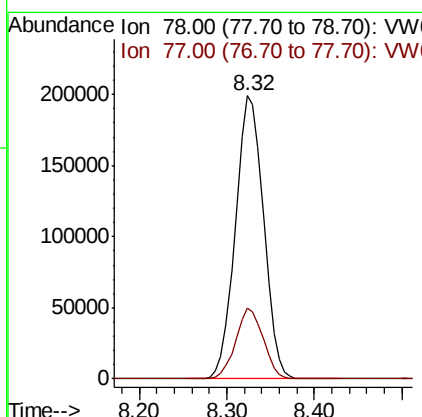
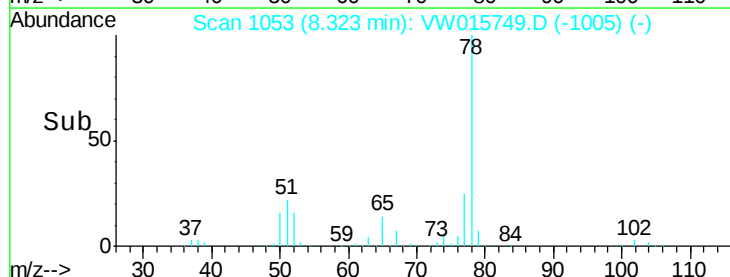
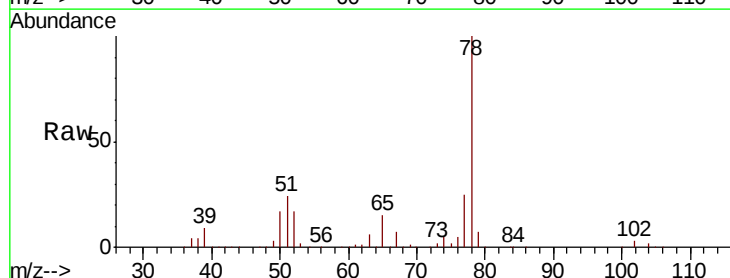
Manual Integrations
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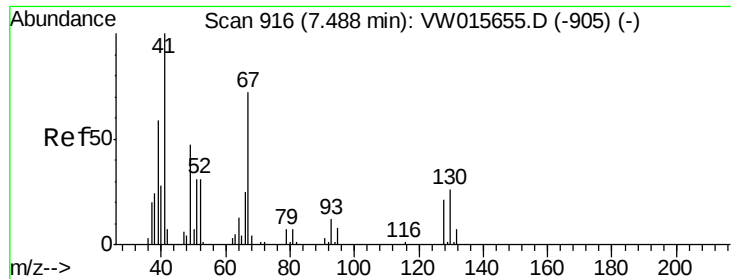
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#40
Benzene
Concen: 49.555 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.3	28.9





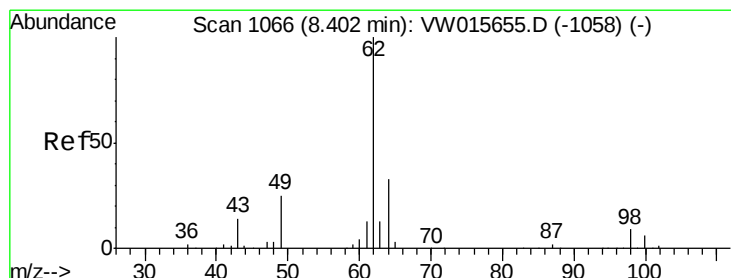
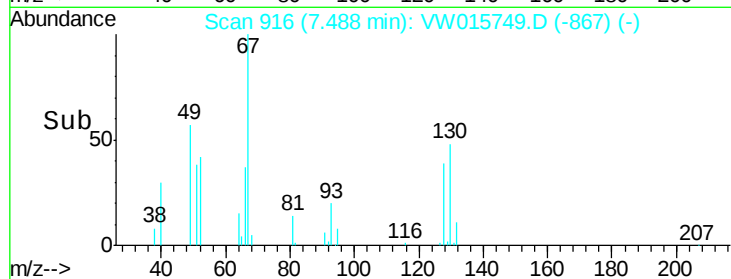
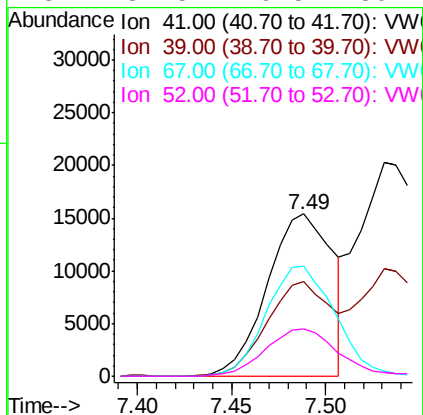
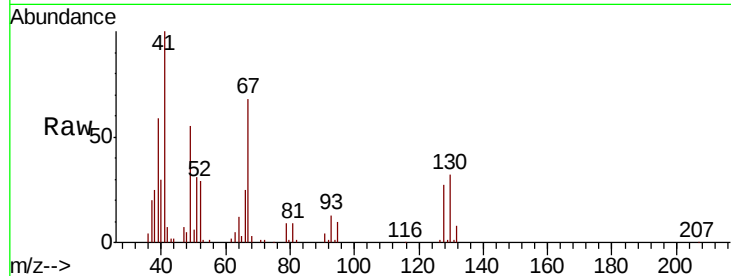
#41
Methacrylonitrile
Concen: 51.046 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	37010
Ion	Ratio	Lower	Upper
41	100		
39	57.2	52.0	78.0
67	71.8	57.5	86.3
52	32.5	26.5	39.7

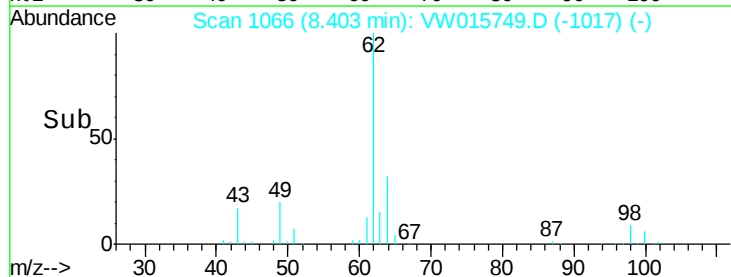
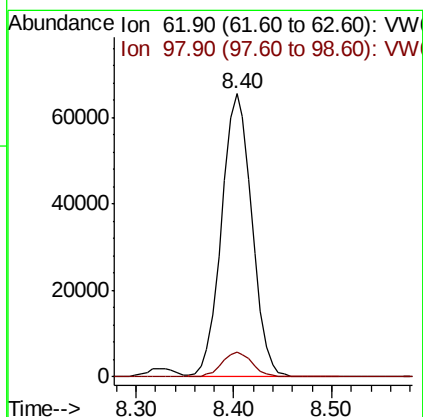
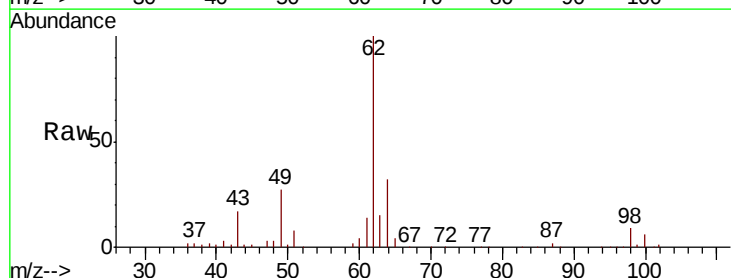
Manual Integrations
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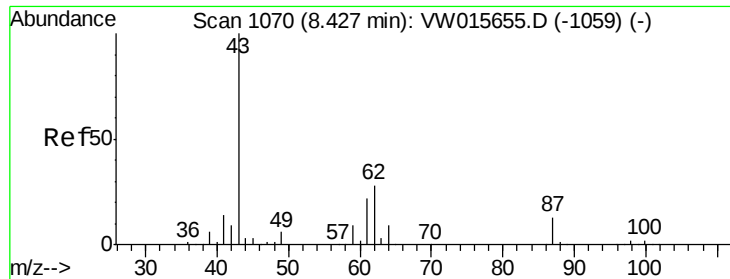
MMDadoda
6/29/2020 12:34:05 PM



#42
1,2-Dichloroethane
Concen: 50.567 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion:	62	Resp:	140736
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.4





#43

Isopropyl Acetate

Concen: 51.103 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

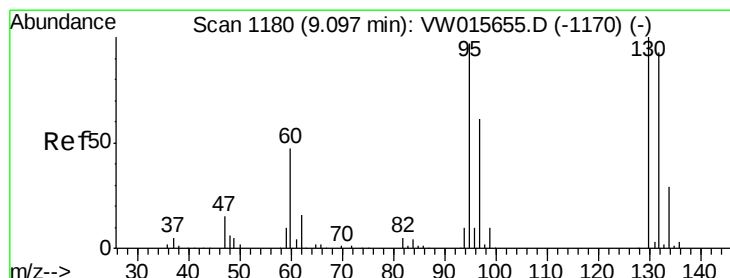
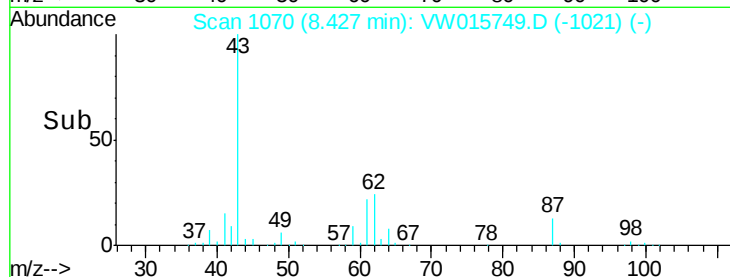
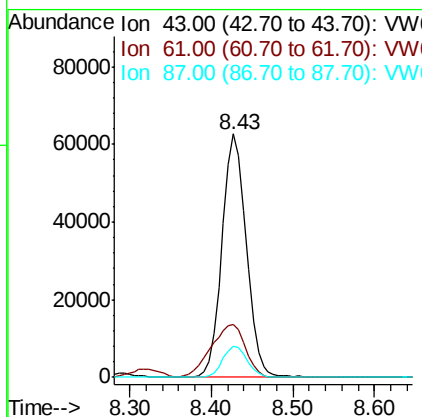
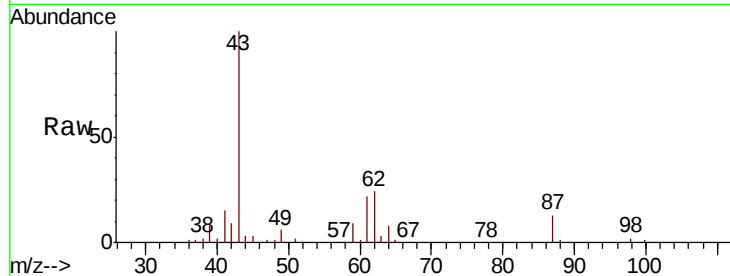
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	128832
Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.7	37.1
87	13.0	10.2	15.2

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#44

Trichloroethene

Concen: 49.478 ug/l

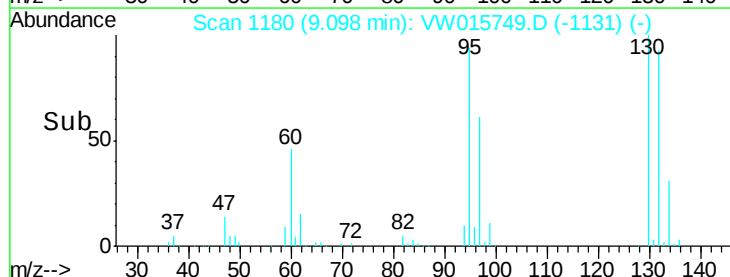
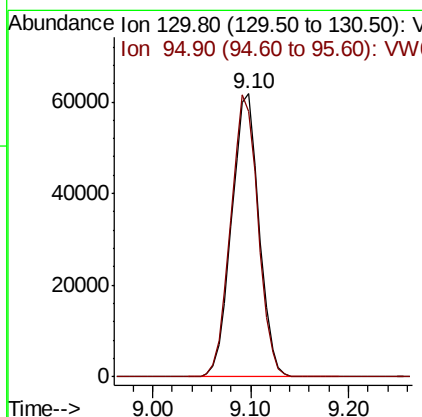
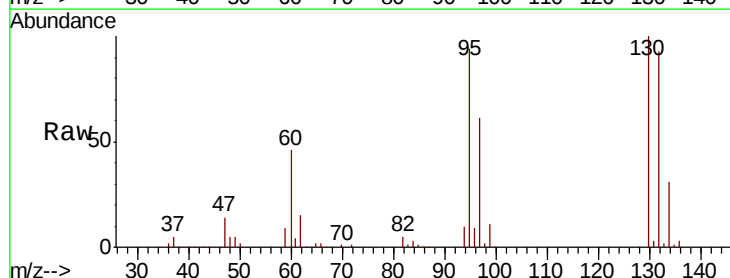
RT: 9.10 min Scan# 1180

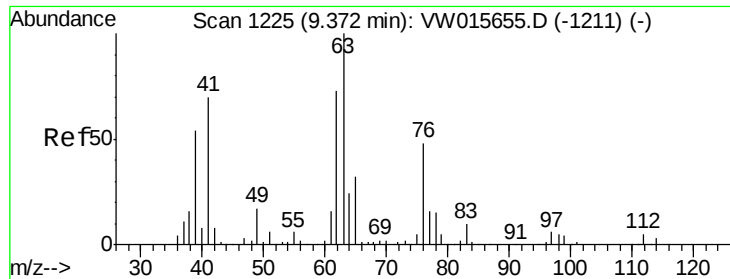
Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Tgt Ion:	130	Resp:	119977
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	194.4





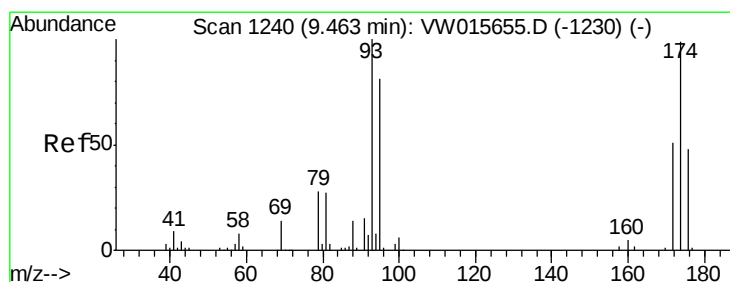
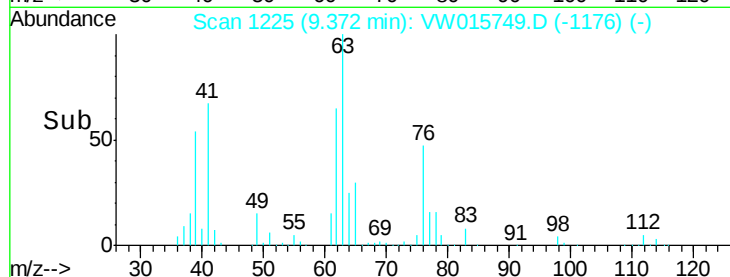
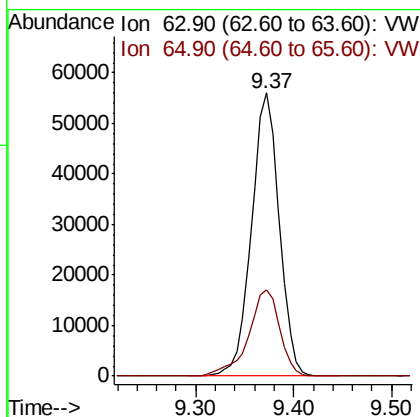
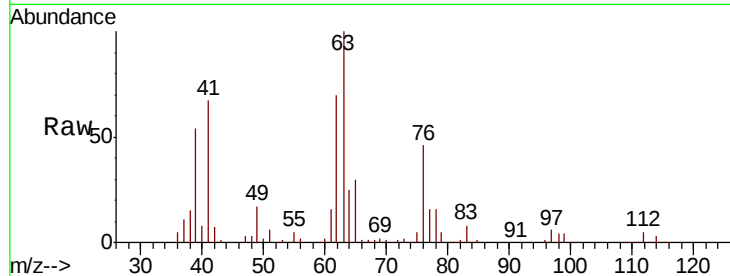
#45
 1,2-Dichloropropane
 Concen: 50.064 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 110090
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.3 37.9

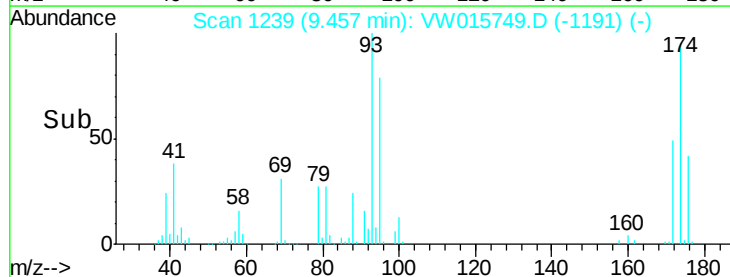
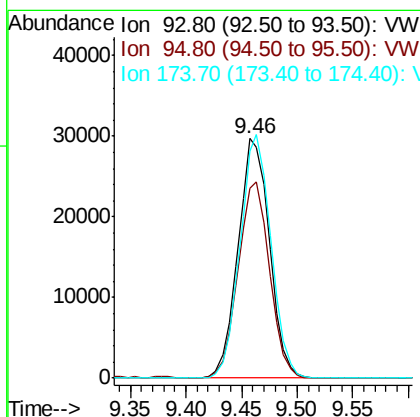
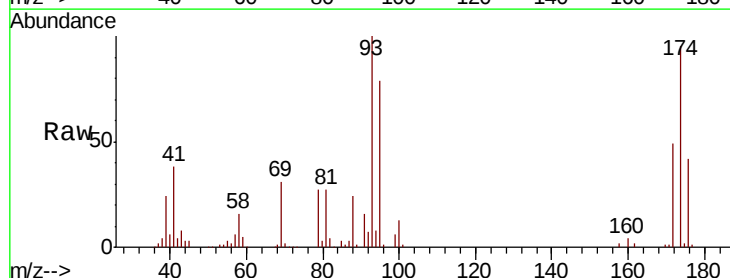
Manual Integrations
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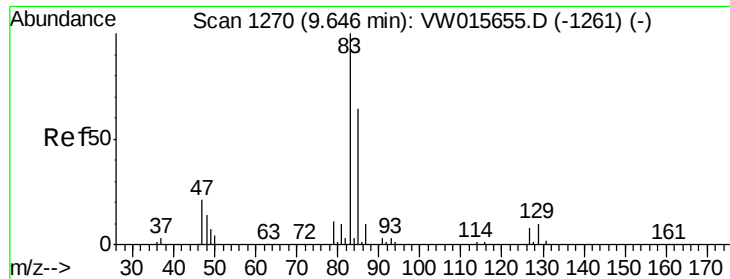
MMDadoda
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#46
 Dibromomethane
 Concen: 51.119 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Tgt Ion: 93 Resp: 58161
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.7 98.5
 174 99.8 79.0 118.6





#47

Bromodichloromethane

Concen: 49.727 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

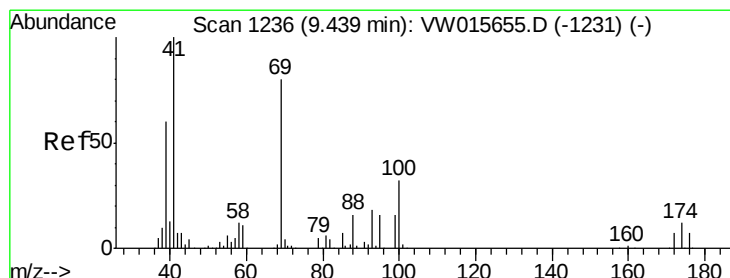
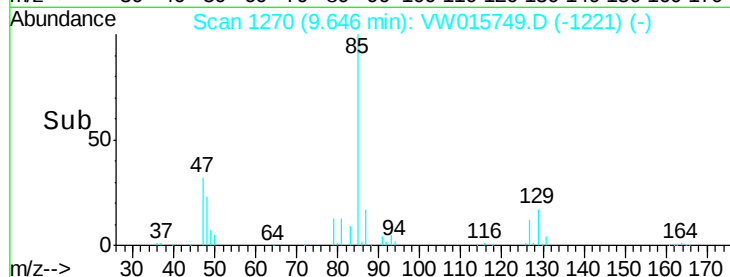
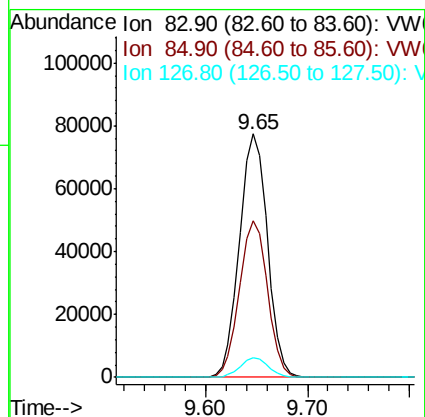
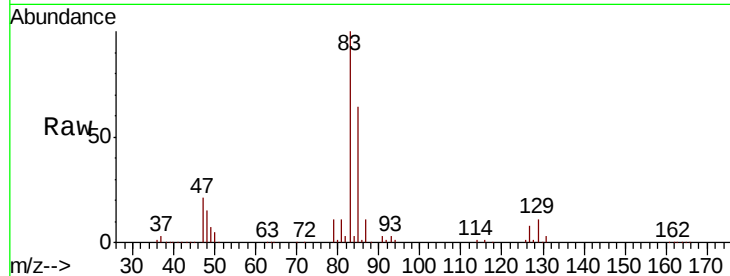
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	147579
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.8	76.2
127	7.8	6.3	9.5

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#48

Methyl methacrylate

Concen: 52.429 ug/l

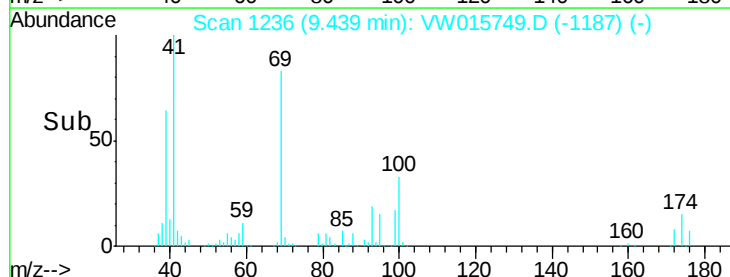
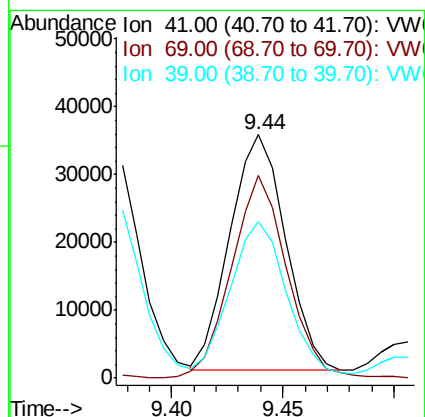
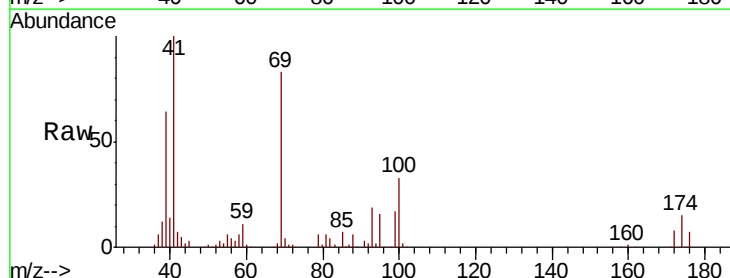
RT: 9.44 min Scan# 1236

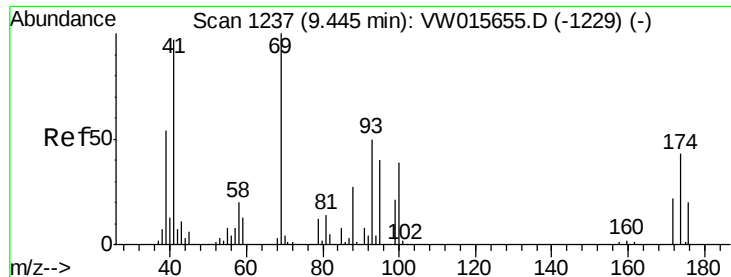
Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Tgt Ion:	41	Resp:	60429
Ion	Ratio	Lower	Upper
41	100		
69	86.3	68.2	102.2
39	64.7	49.8	74.6





#49

1,4-Dioxane

Concen: 1045.132 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 15599

Ion Ratio Lower Upper

88 100

43 34.0 30.1 45.1

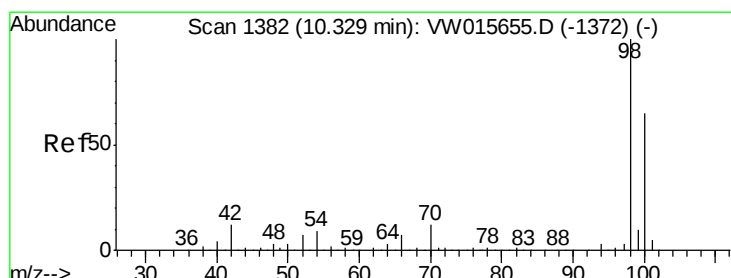
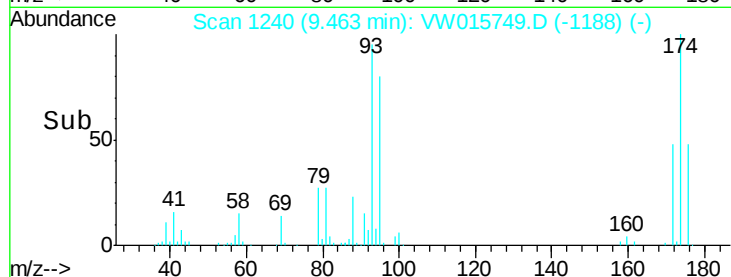
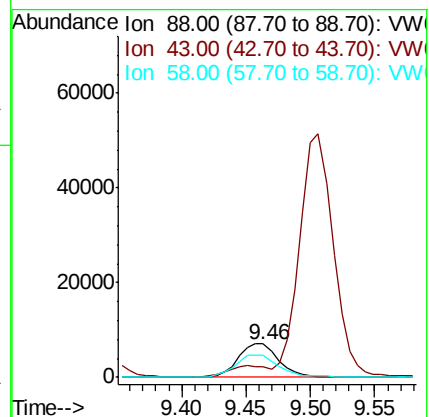
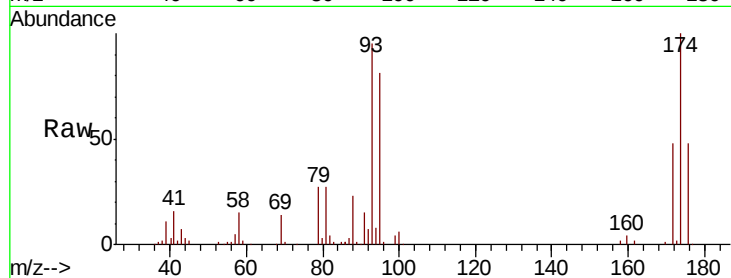
58 73.4 56.1 84.1

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#50

Toluene-d8

Concen: 50.974 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015749.D

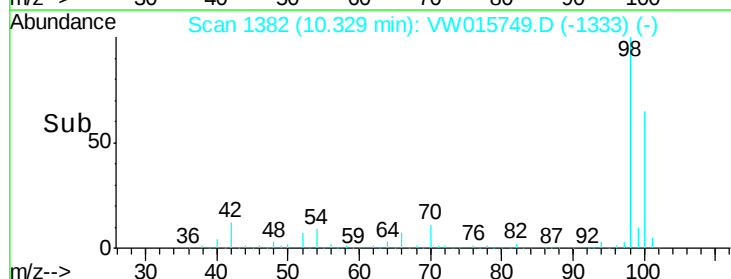
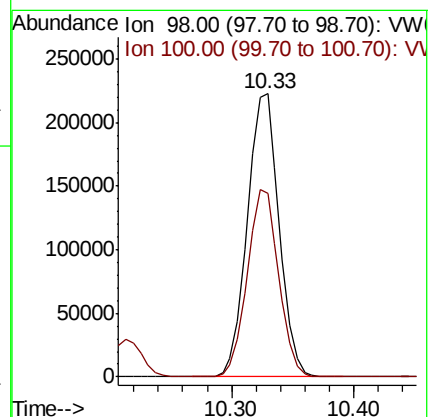
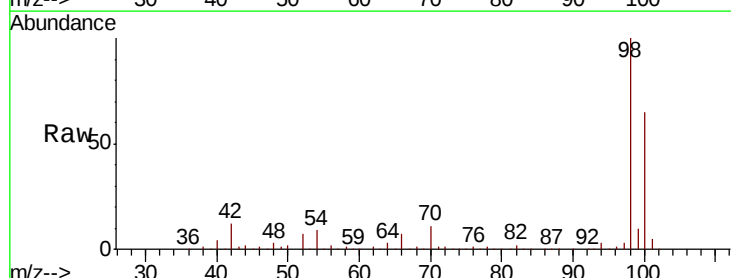
Acq: 26 Jun 2020 16:18

Tgt Ion: 98 Resp: 401406

Ion Ratio Lower Upper

98 100

100 65.3 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 263.598 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 320474

Ion Ratio Lower Upper

43 100

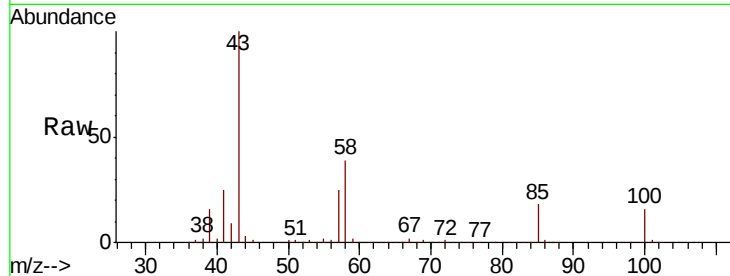
58 39.2 31.2 46.8

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

200000

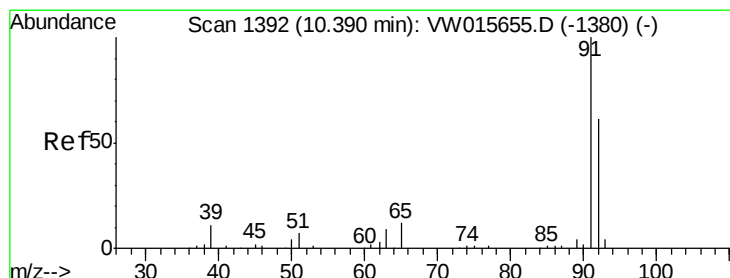
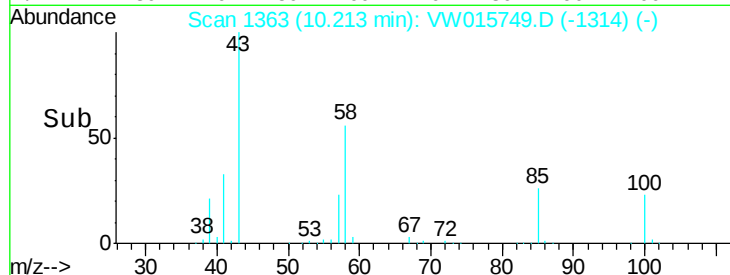
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.155 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015749.D

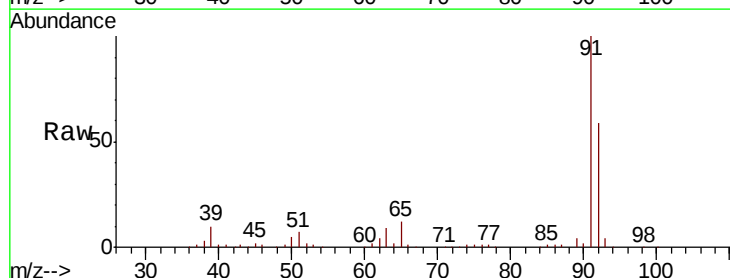
Acq: 26 Jun 2020 16:18

Tgt Ion: 92 Resp: 297161

Ion Ratio Lower Upper

92 100

91 170.8 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

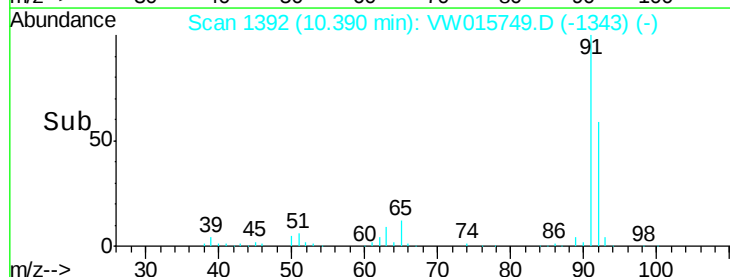
300000

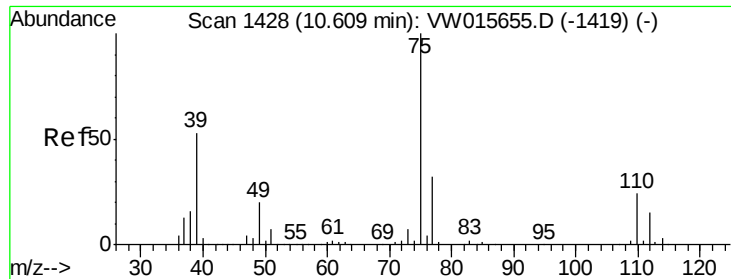
200000

100000

0

Time-->





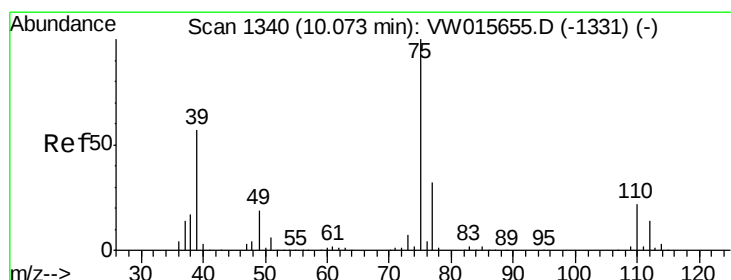
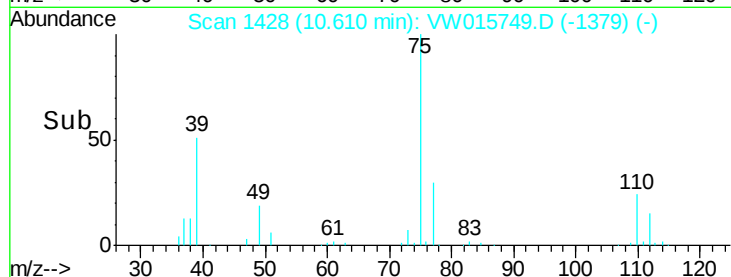
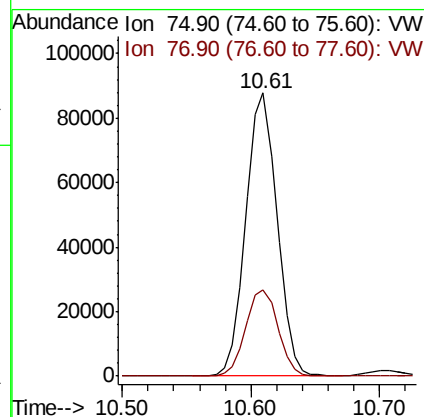
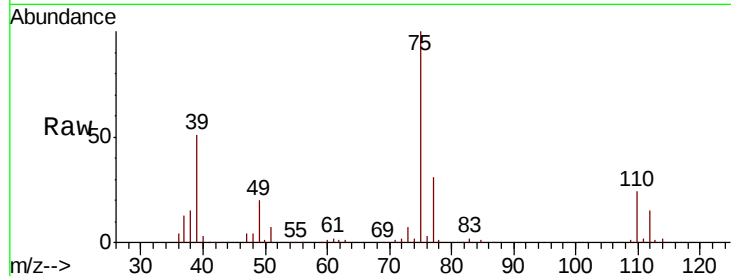
#53
 t-1,3-Dichloropropene
 Concen: 51.423 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 147433
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.3 37.9

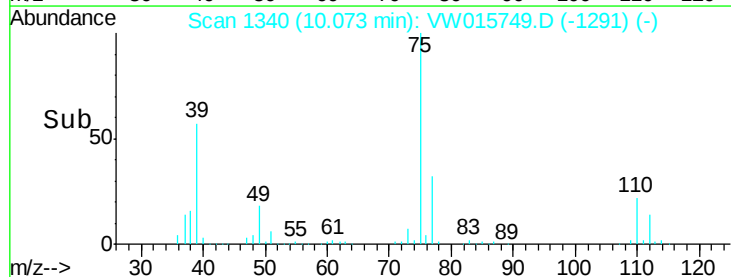
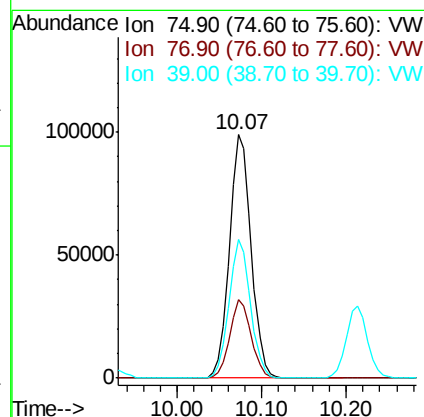
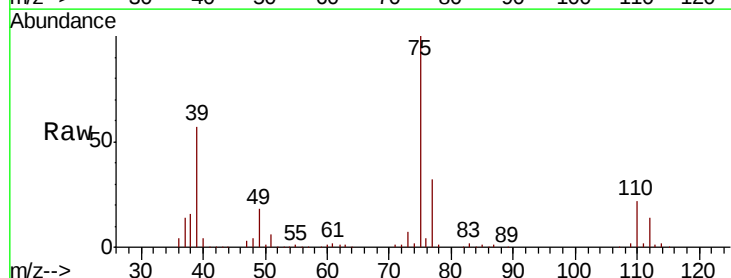
Manual Integrations
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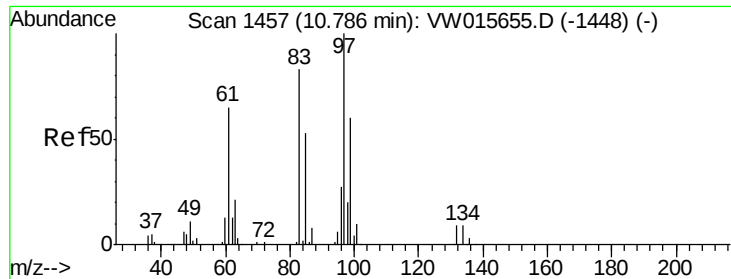
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 50.825 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Tgt Ion: 75 Resp: 174078
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2
 39 57.0 45.8 68.6





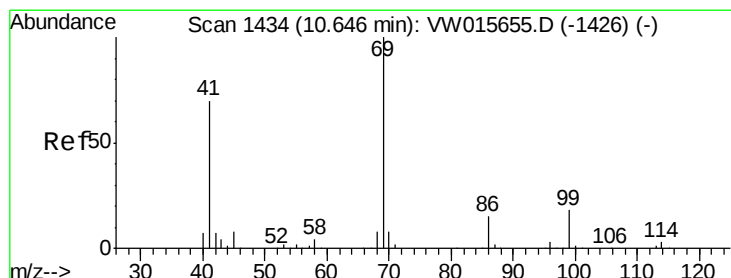
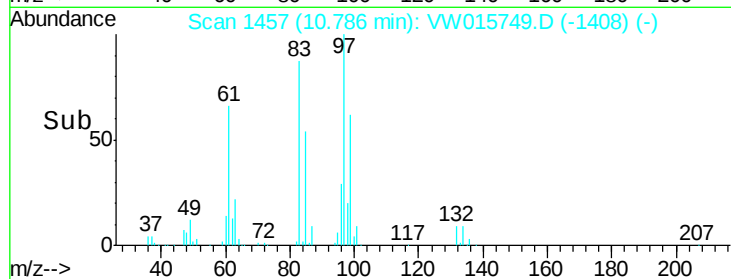
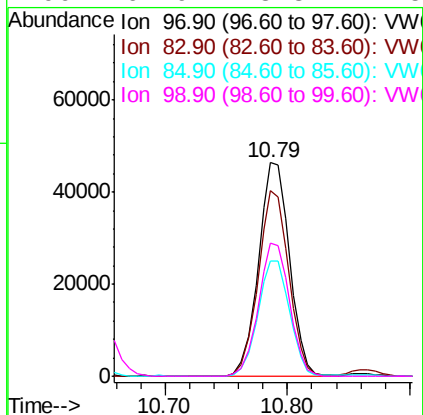
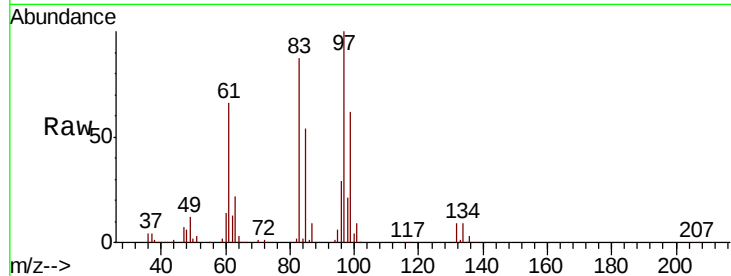
#55
 1,1,2-Trichloroethane
 Concen: 52.012 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	82278
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.3	99.5
85	53.6	42.5	63.7
99	61.9	48.3	72.5

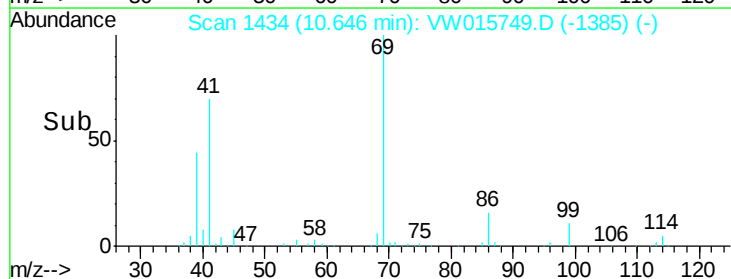
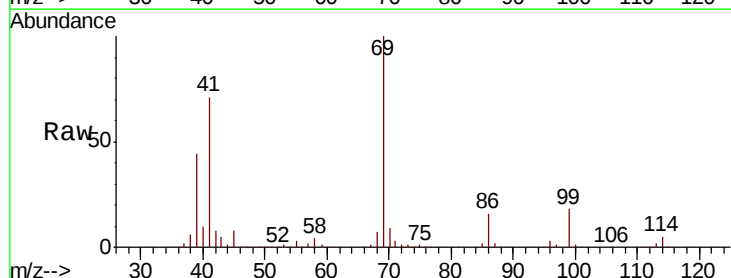
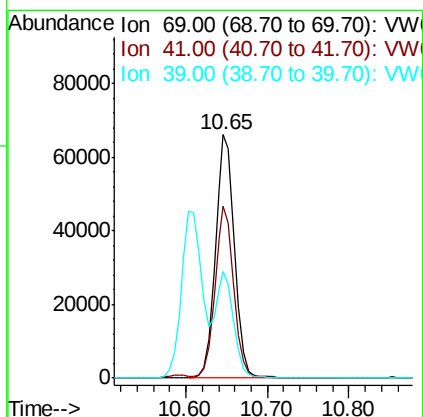
Manual Integrations
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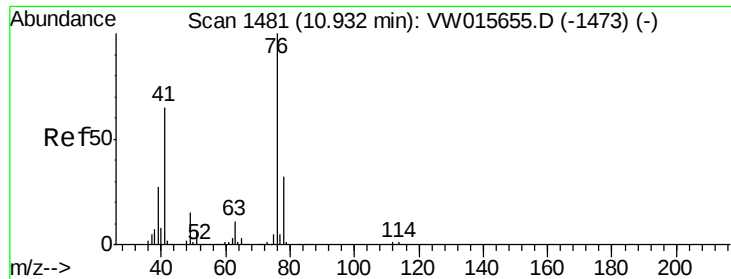
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 54.919 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Tgt Ion:	69	Resp:	108095
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.8	83.6
39	41.8	29.5	44.3





#57

1,3-Dichloropropane

Concen: 51.417 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 144196

Ion Ratio Lower Upper

76 100

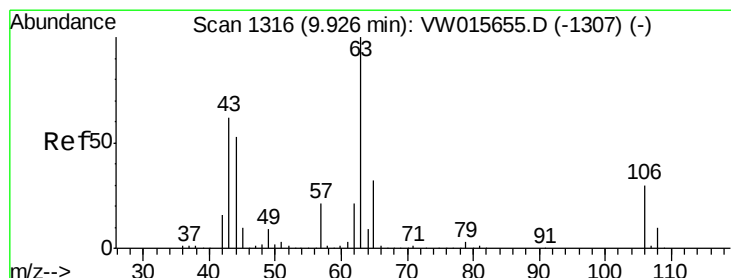
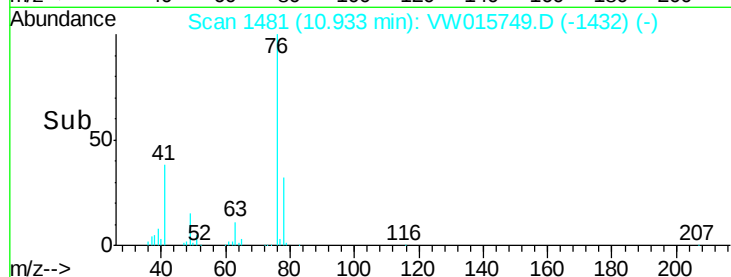
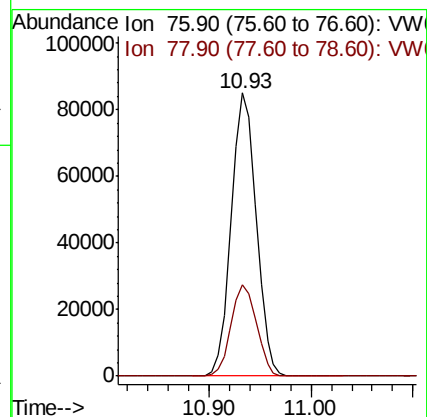
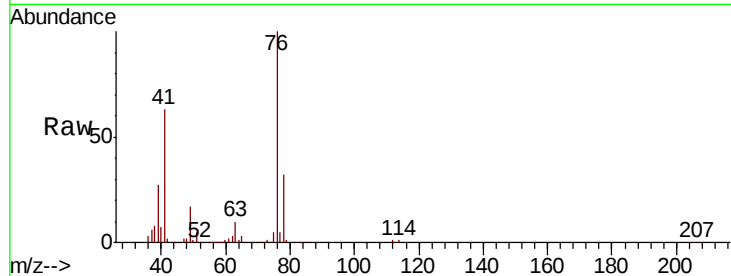
78 32.9 26.2 39.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 269.951 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW015749.D

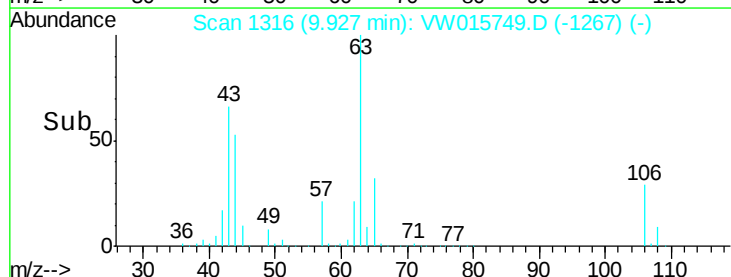
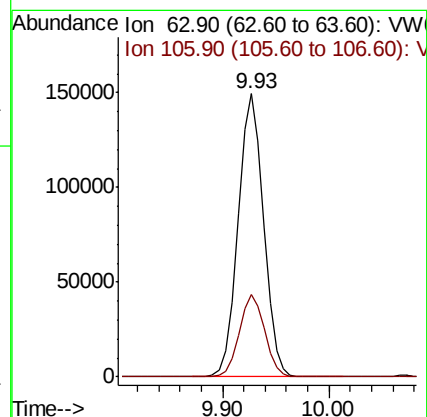
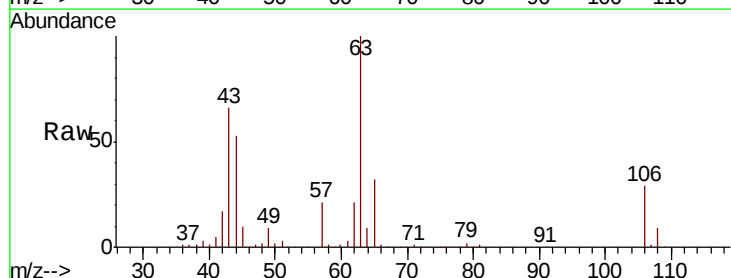
Acq: 26 Jun 2020 16:18

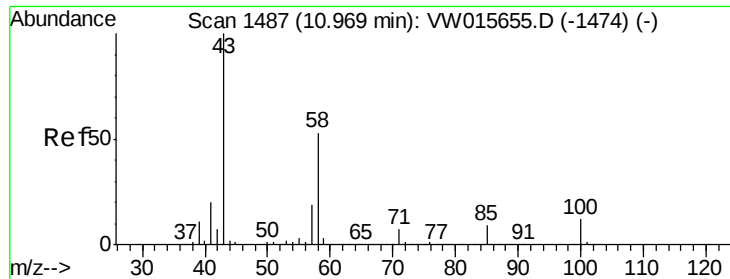
Tgt Ion: 63 Resp: 251442

Ion Ratio Lower Upper

63 100

106 28.9 23.3 34.9





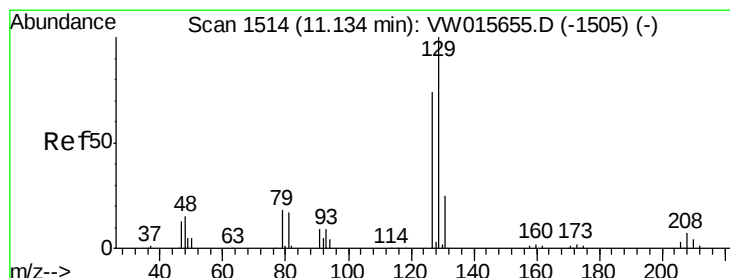
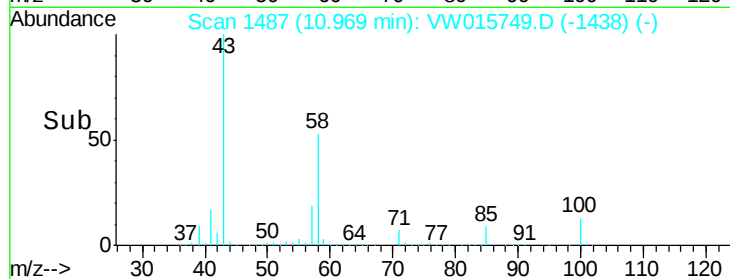
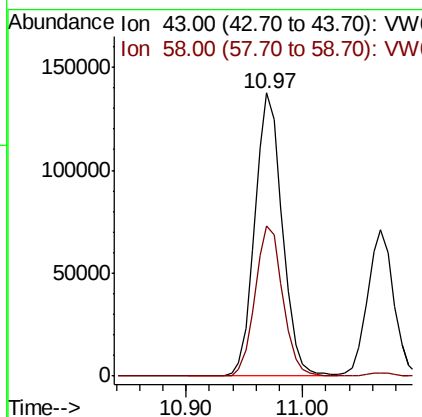
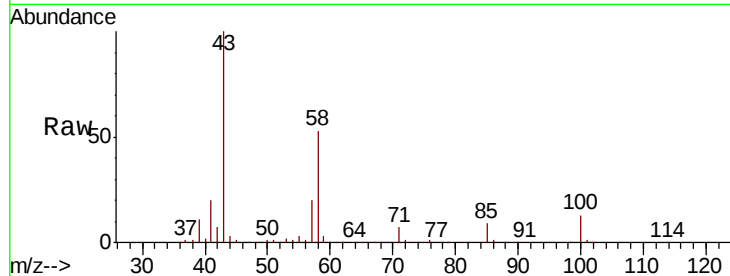
#59
2-Hexanone
Concen: 273.333 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 226234
Ion Ratio Lower Upper
43 100
58 53.3 26.5 79.4

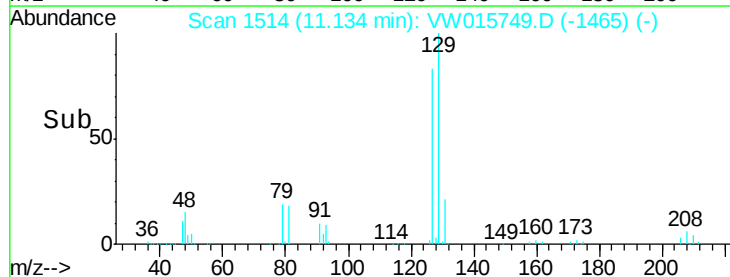
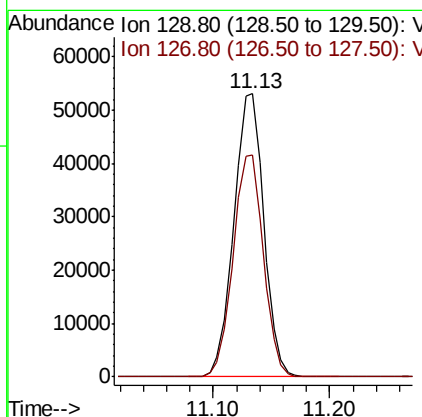
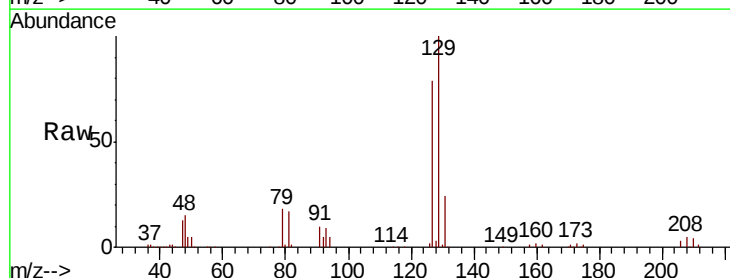
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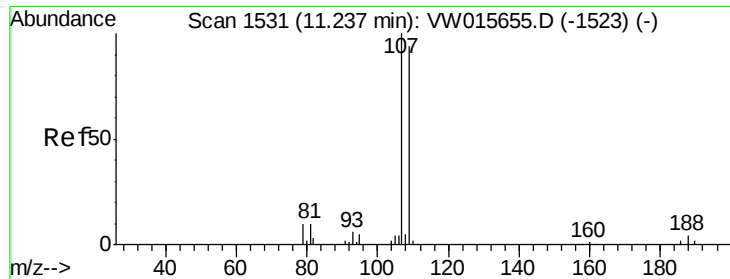
MMDadoda
6/29/2020 12:34:05 PM



#60
Dibromochloromethane
Concen: 51.748 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion: 129 Resp: 95394
Ion Ratio Lower Upper
129 100
127 79.2 38.0 114.1





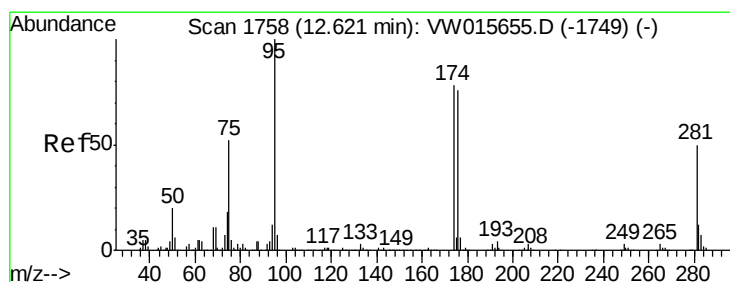
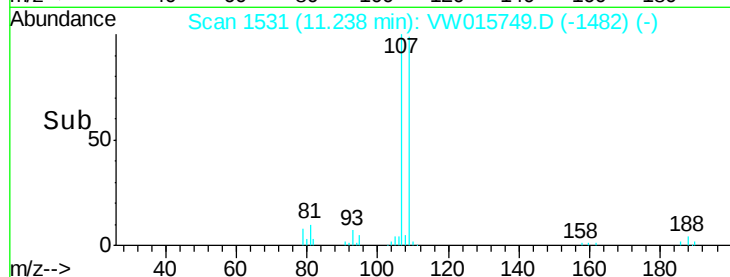
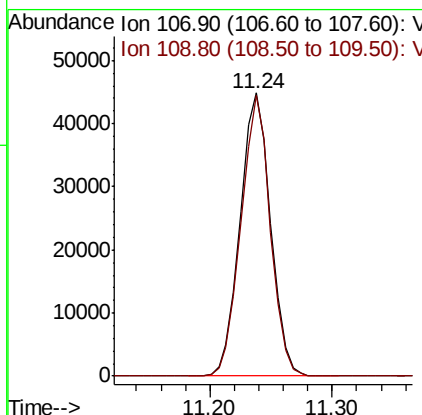
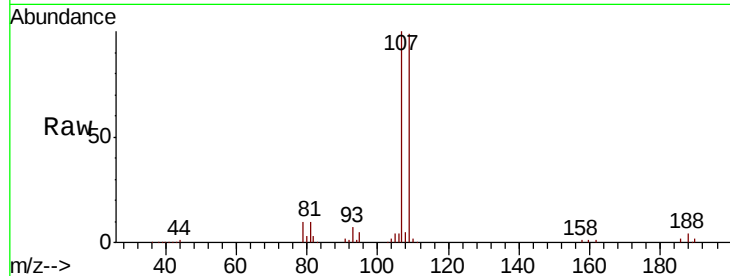
#61
 1,2-Dibromoethane
 Concen: 51.221 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 77450
 Ion Ratio Lower Upper
 107 100
 109 95.5 74.9 112.3

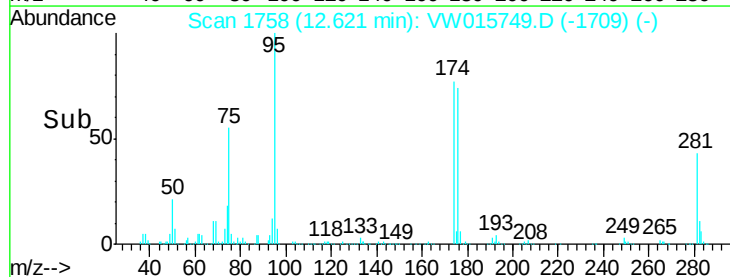
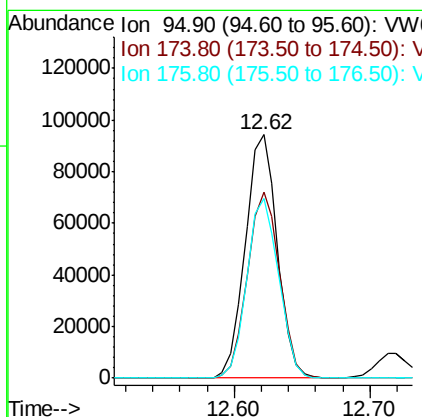
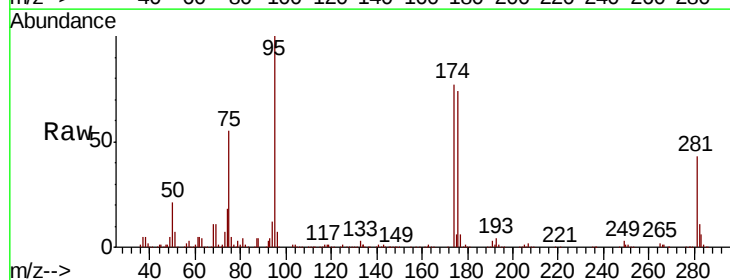
Manual Integrations
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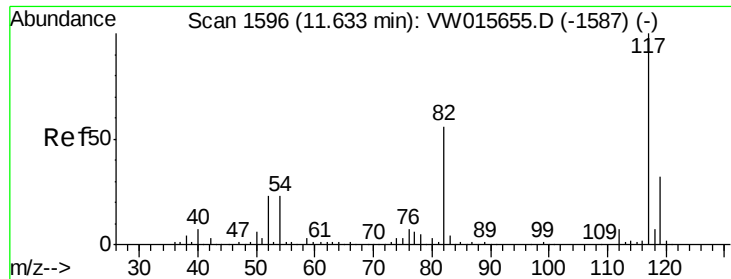
MMDadoda
 6/29/2020 12:34:05 PM



#62
 4-Bromofluorobenzene
 Concen: 53.507 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Tgt Ion: 95 Resp: 155172
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 157.0
 176 74.0 0.0 151.4





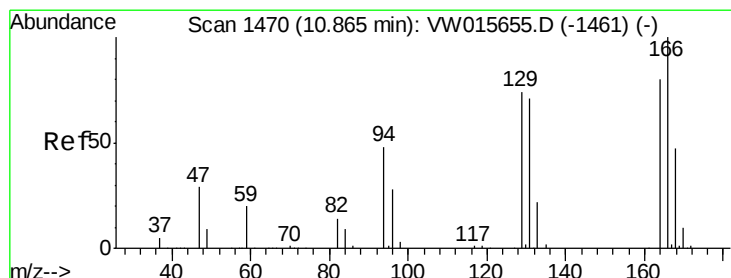
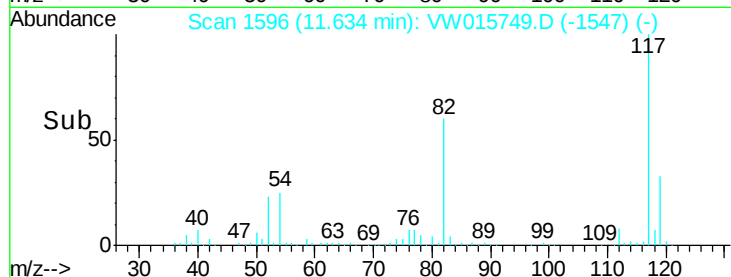
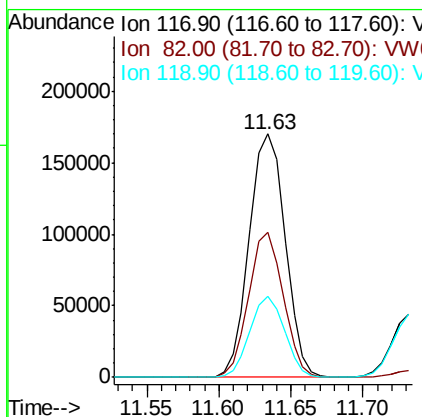
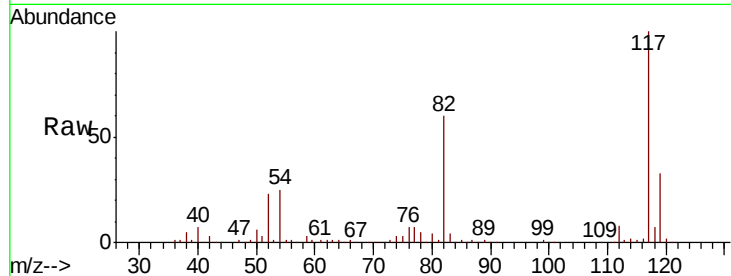
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	45.1	67.7
119	33.1	25.8	38.8

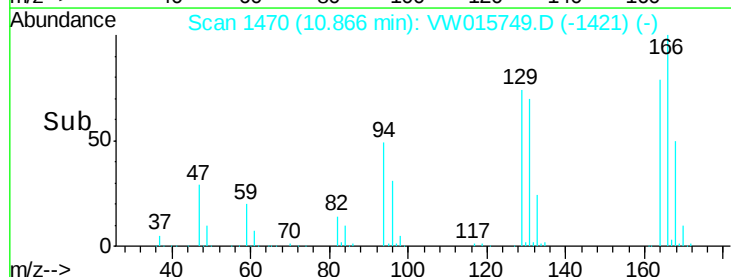
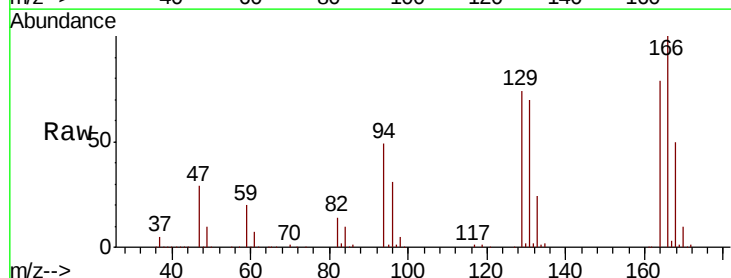
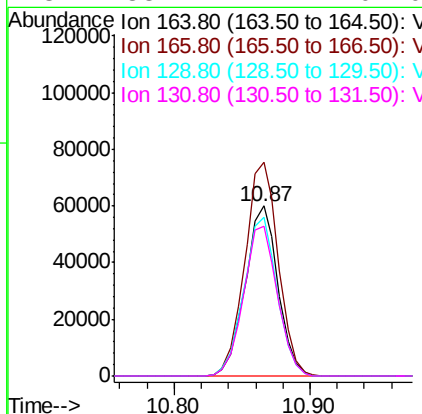
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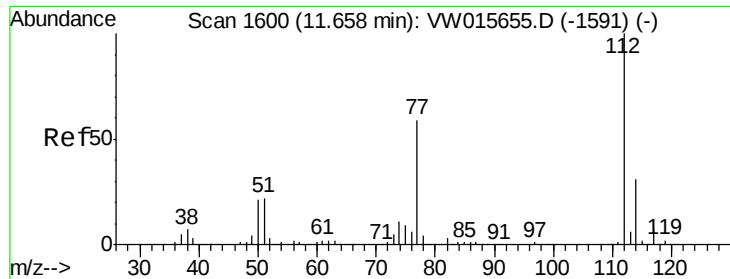
MMDadoda
6/29/2020 12:34:05 PM



#64
Tetrachloroethene
Concen: 48.875 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	99.9	149.9
129	93.2	74.2	111.2
131	88.1	71.4	107.0





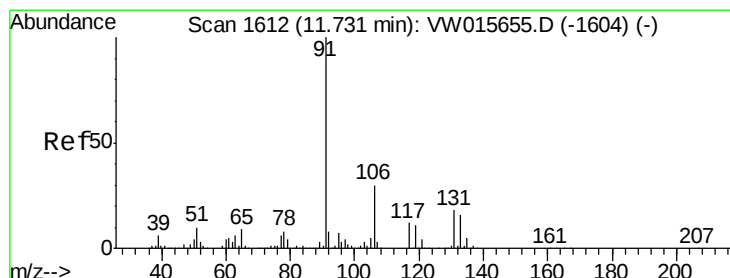
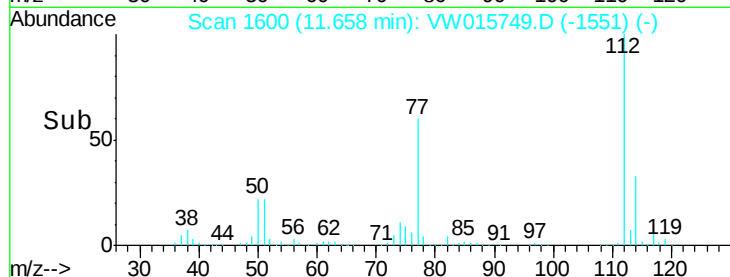
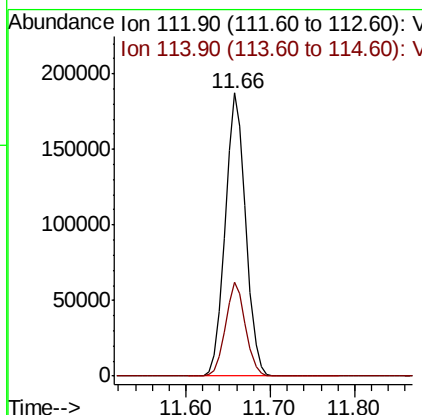
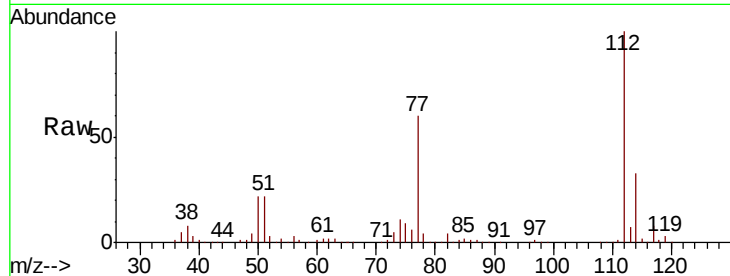
#65
Chlorobenzene
Concen: 50.141 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 311107
Ion Ratio Lower Upper
112 100
114 33.2 24.9 37.3

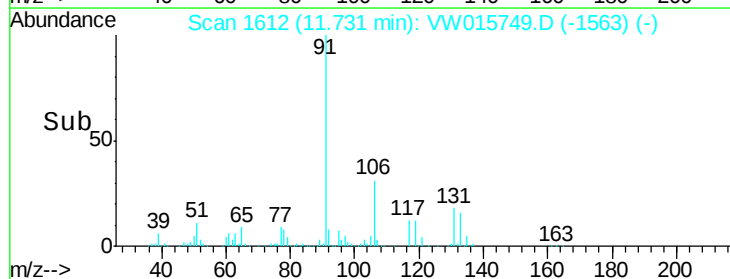
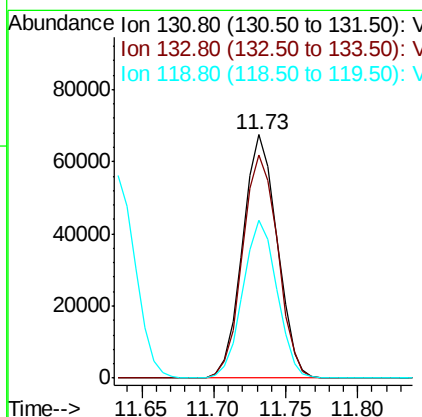
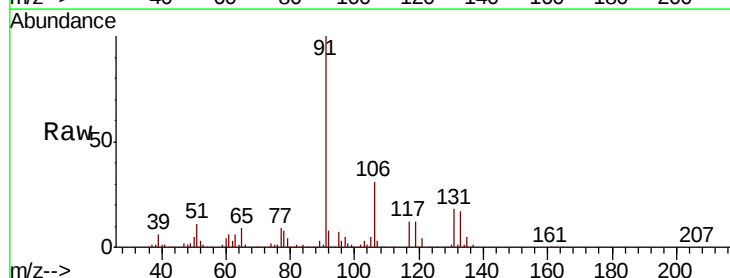
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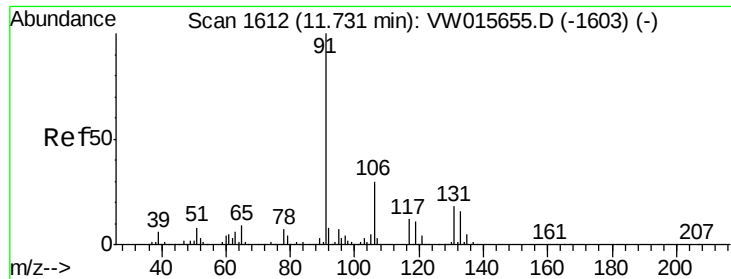
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.564 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion:131 Resp: 112177
Ion Ratio Lower Upper
131 100
133 93.4 46.5 139.5
119 64.0 32.5 97.5





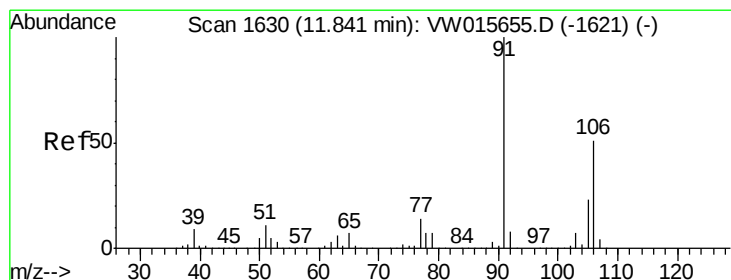
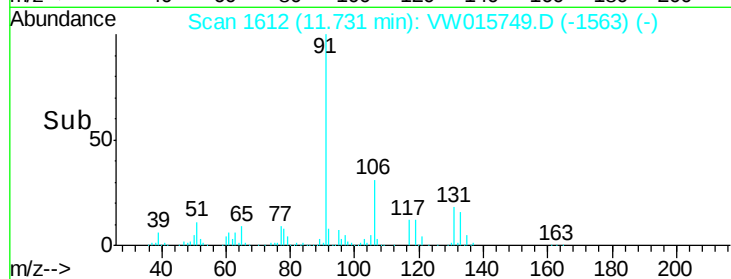
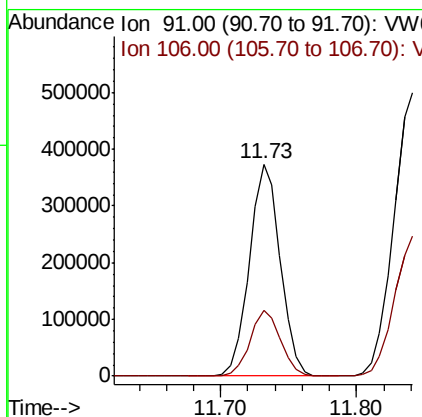
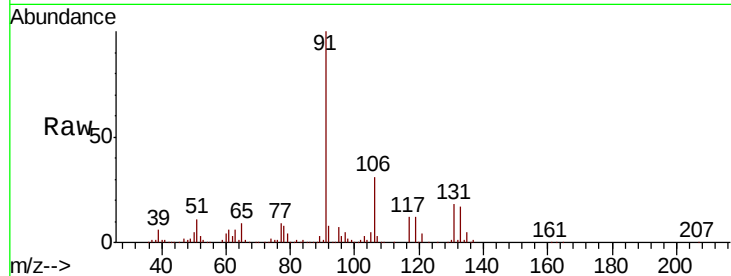
#67
Ethyl Benzene
Concen: 51.404 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 593566
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

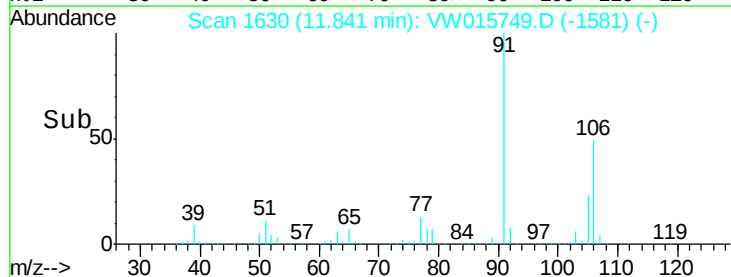
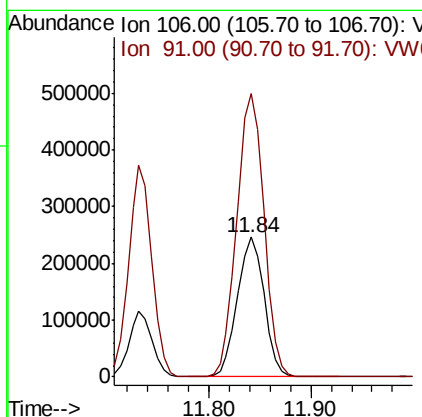
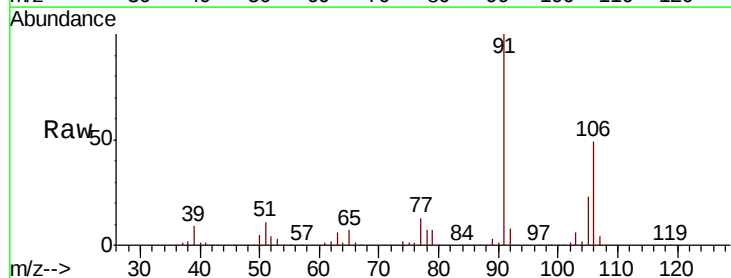
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#68
m/p-Xylenes
Concen: 103.548 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion: 106 Resp: 448978
Ion Ratio Lower Upper
106 100
91 205.1 162.6 244.0





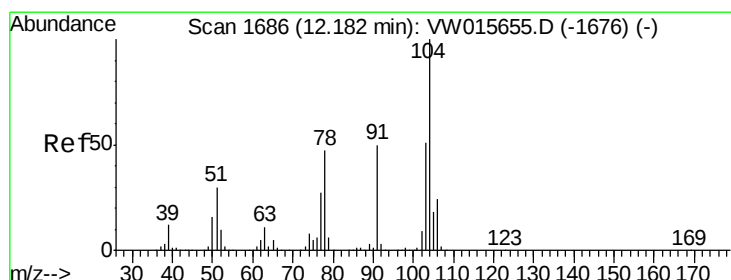
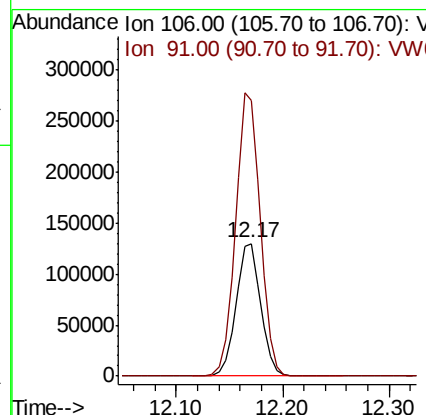
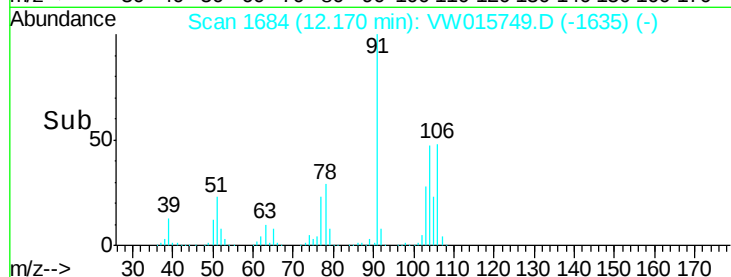
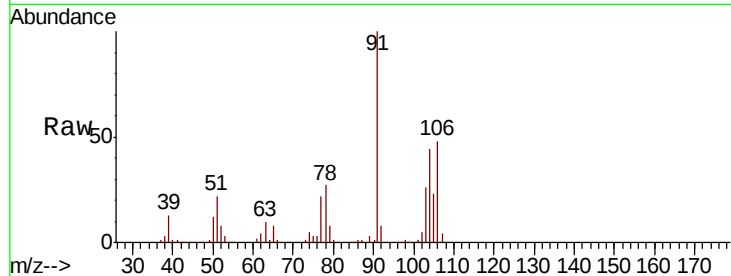
#69
o-Xylene
Concen: 52.579 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 209618
Ion Ratio Lower Upper
106 100
91 214.3 108.3 324.9

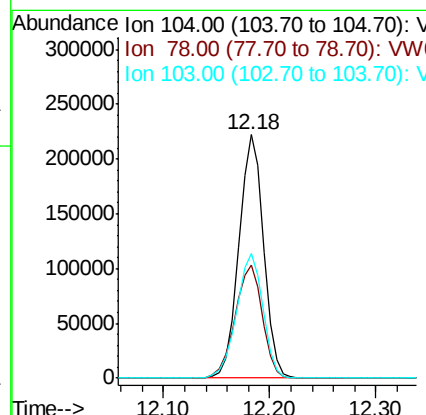
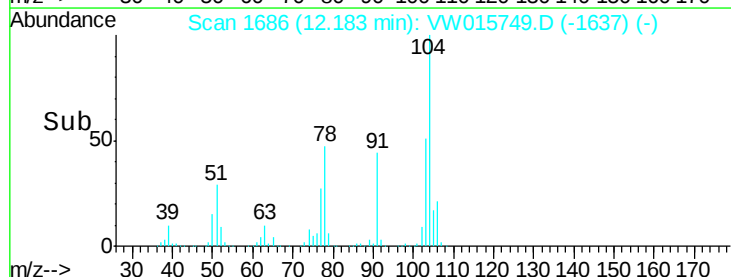
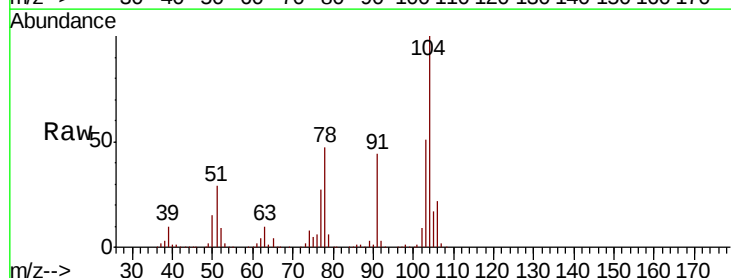
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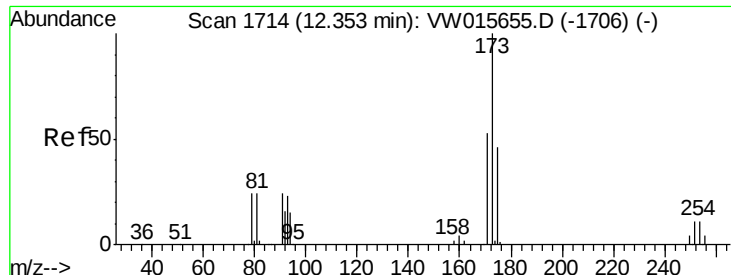
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#70
Styrene
Concen: 52.905 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion:104 Resp: 360357
Ion Ratio Lower Upper
104 100
78 51.5 40.9 61.3
103 55.0 43.1 64.7





#71

Bromoform

Concen: 51.834 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 51884

Ion Ratio Lower Upper

173 100

175 48.4 23.5 70.6

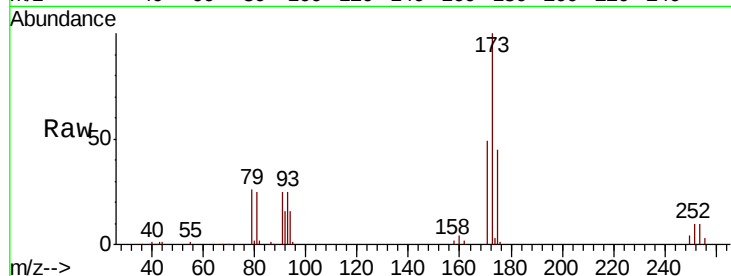
254 0.0 0.1 0.1#

Manual Integrations

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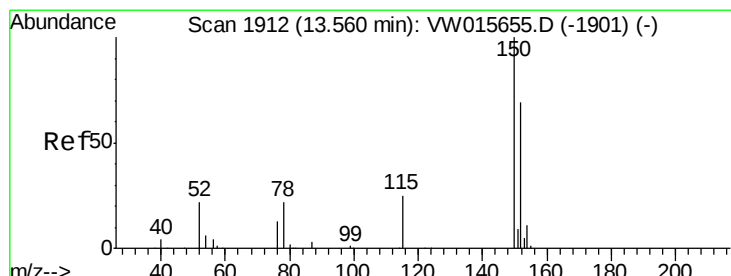
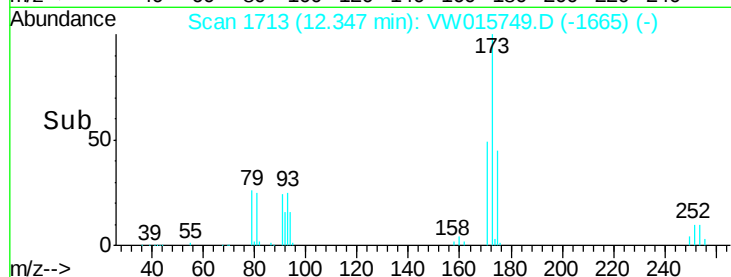
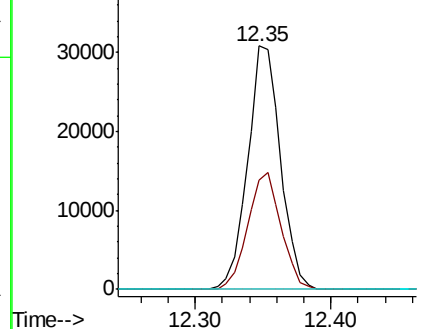
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

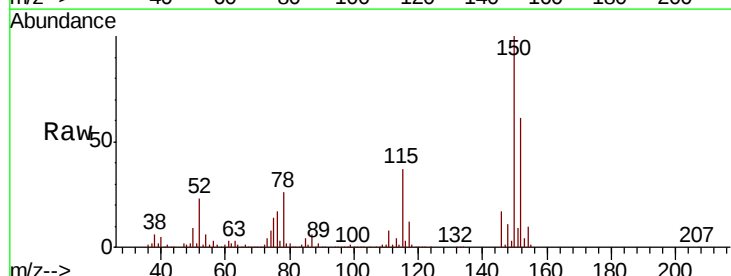
Tgt Ion:152 Resp: 156948

Ion Ratio Lower Upper

152 100

115 59.0 30.1 90.5

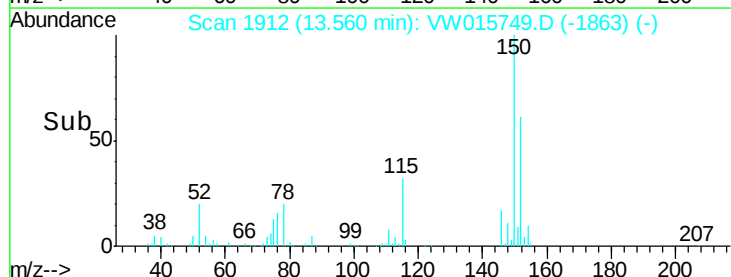
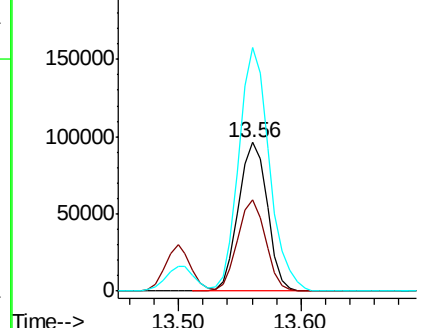
150 173.3 0.0 345.6

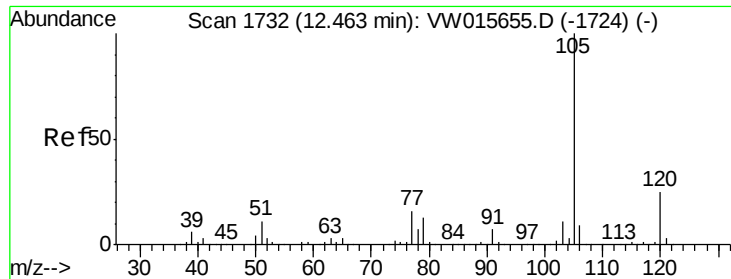


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





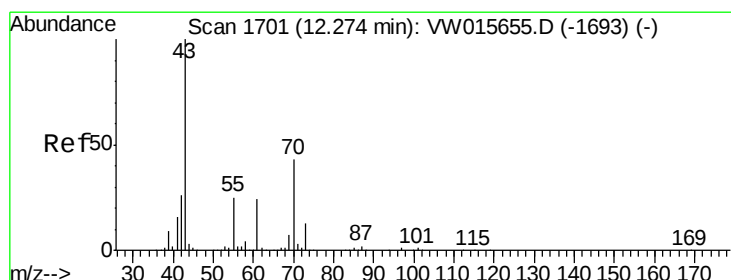
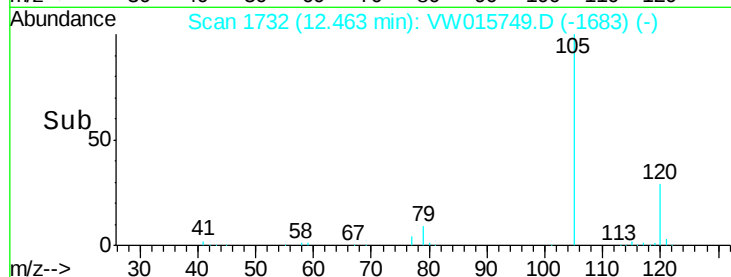
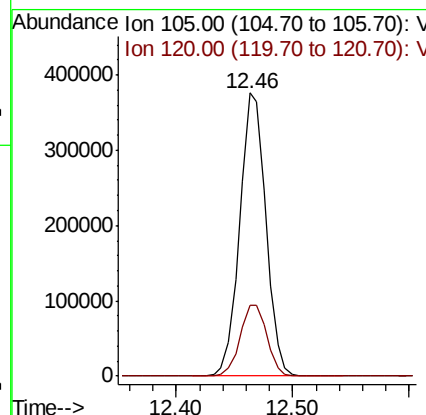
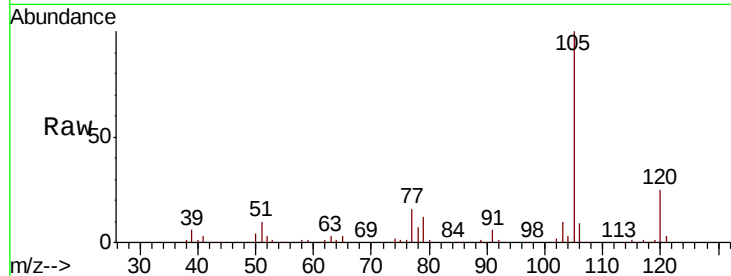
#73
Isopropylbenzene
Concen: 49.125 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

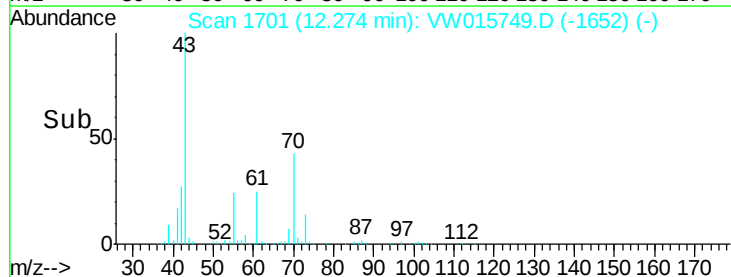
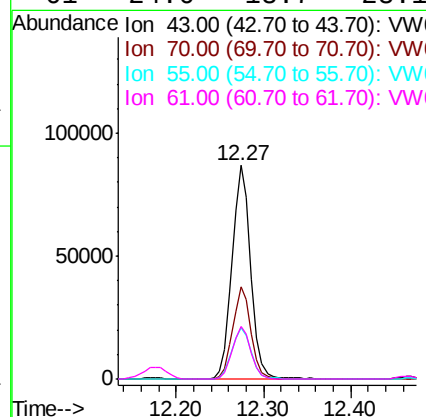
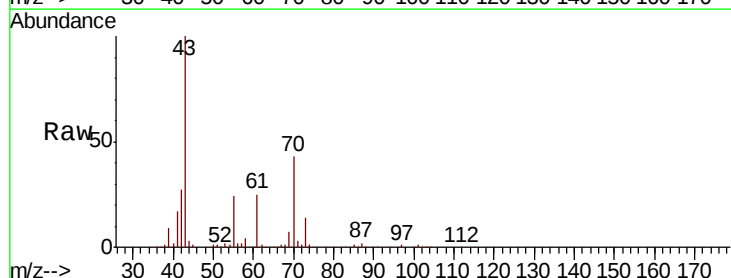
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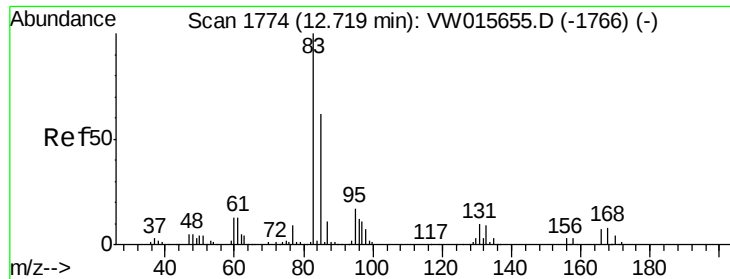
MMDadoda
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#74
N-ethyl acetate
Concen: 50.681 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.5	33.6	50.4
55	24.7	19.7	29.5
61	24.6	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.934 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

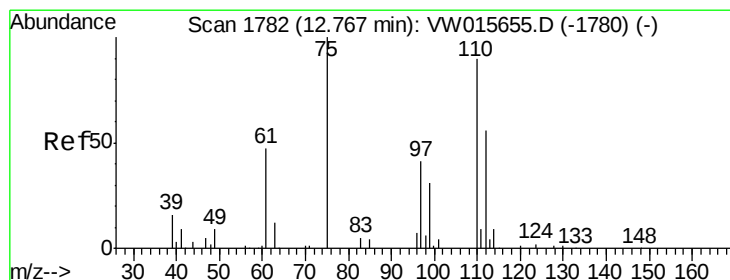
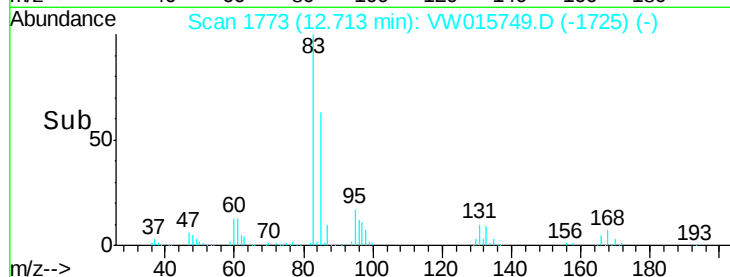
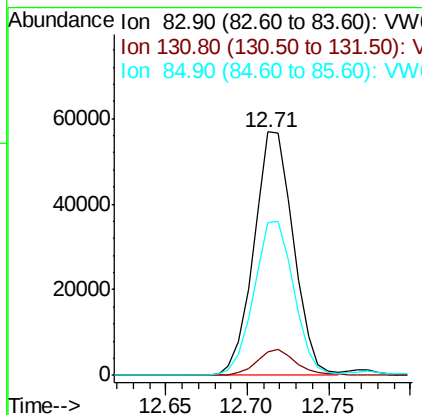
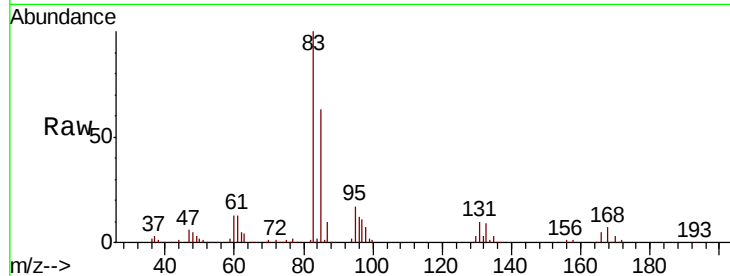
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	95641
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.4
85	64.0	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.435 ug/l m

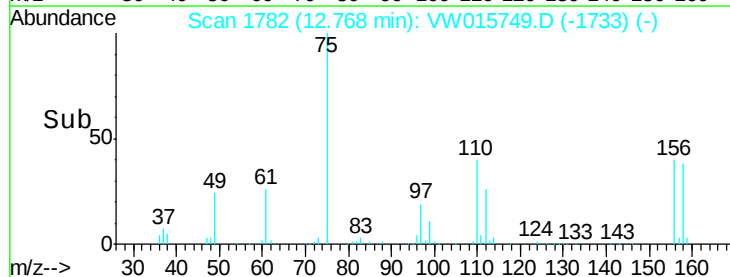
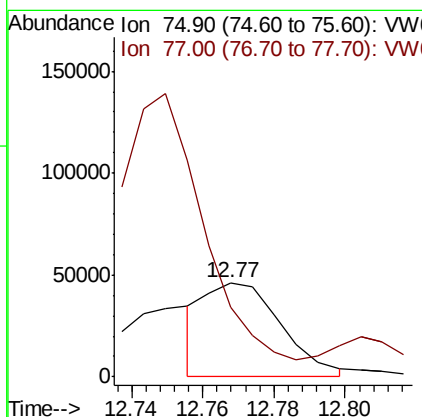
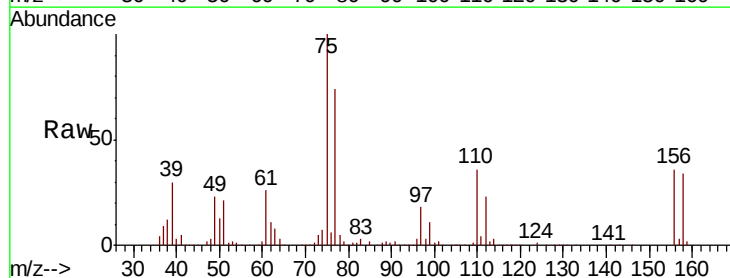
RT: 12.77 min Scan# 1782

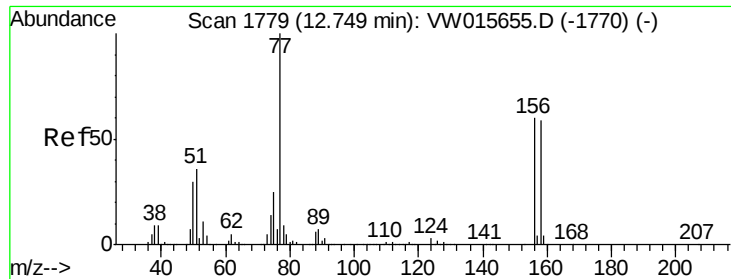
Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Tgt Ion:	75	Resp:	69339
Ion Ratio	Lower	Upper	
75	100		
77	359.7	179.1	537.1





#77

Bromobenzene

Concen: 49.040 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

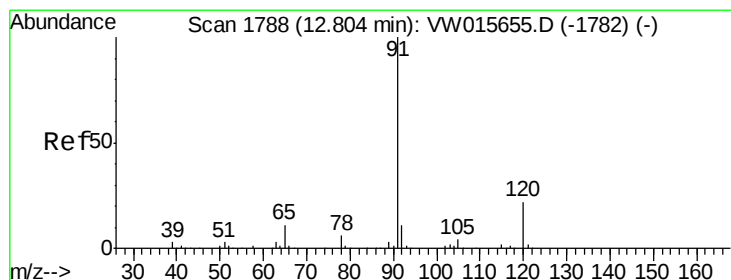
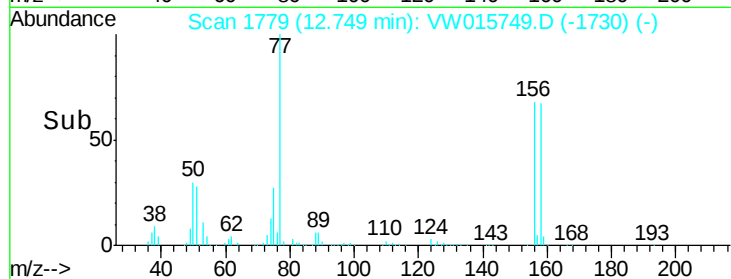
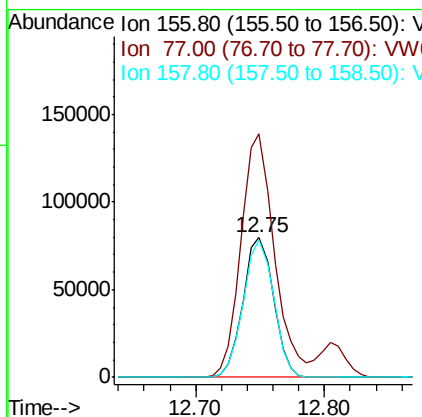
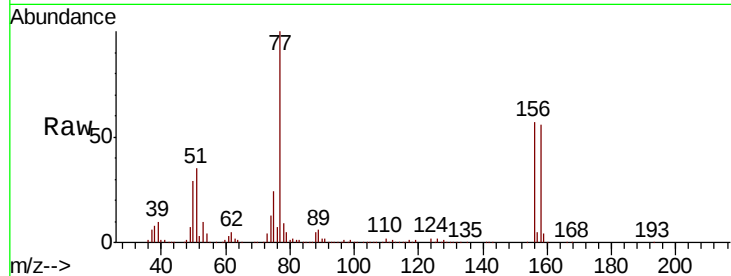
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	130920
Ion Ratio	Lower	Upper	
156	100		
77	190.5	94.5	283.5
158	97.9	47.9	143.6

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#78

n-propylbenzene

Concen: 49.832 ug/l

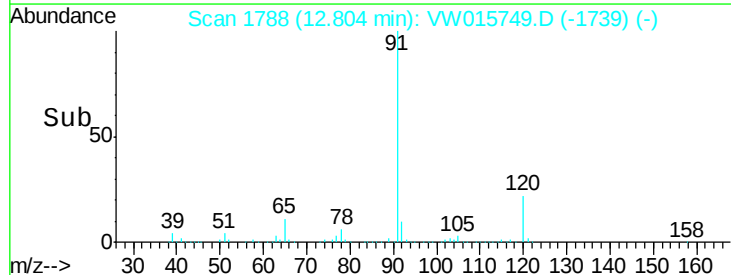
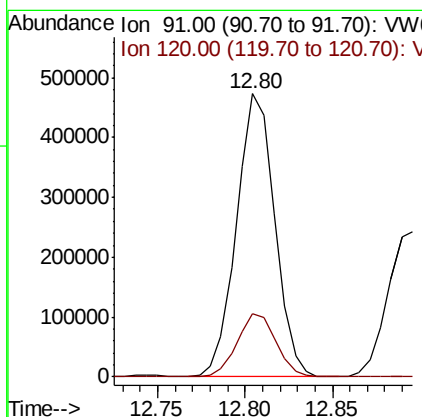
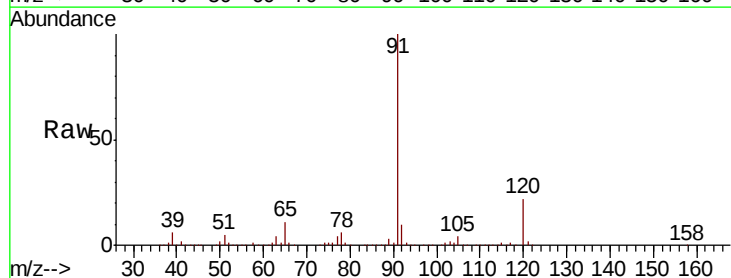
RT: 12.80 min Scan# 1788

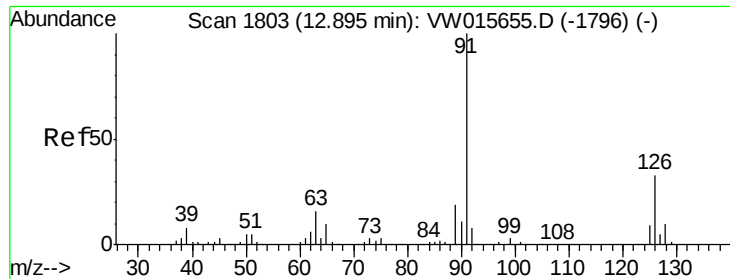
Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Tgt Ion:	91	Resp:	718138
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 49.050 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 398008

Ion Ratio Lower Upper

91 100

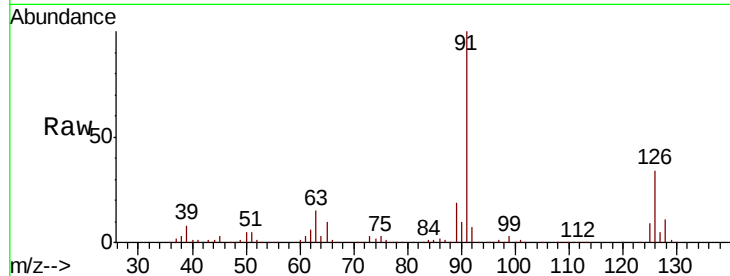
126 33.5 16.6 49.8

Manual Integrations

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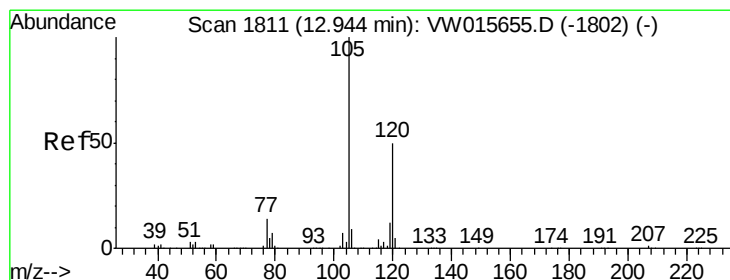
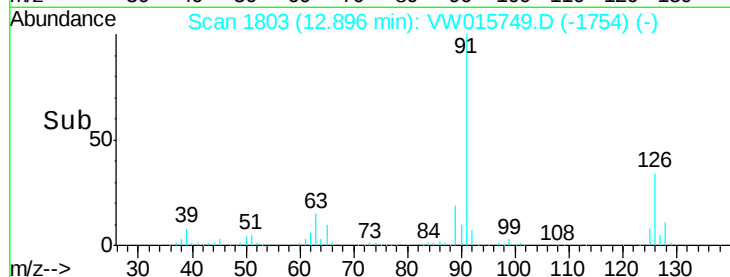
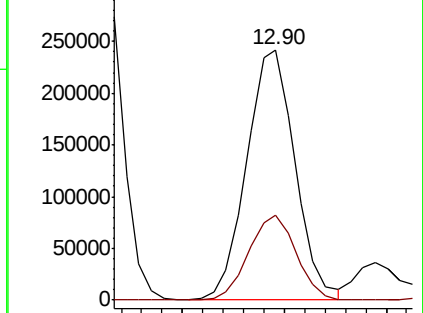
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.700 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015749.D

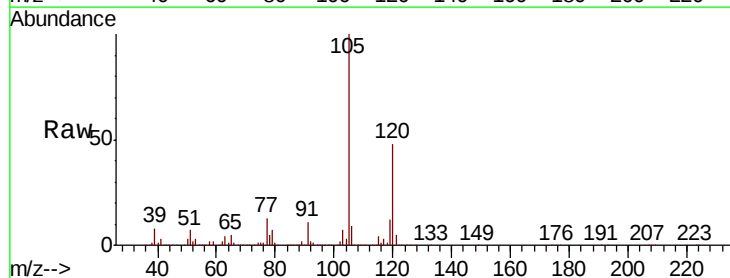
Acq: 26 Jun 2020 16:18

Tgt Ion:105 Resp: 504201

Ion Ratio Lower Upper

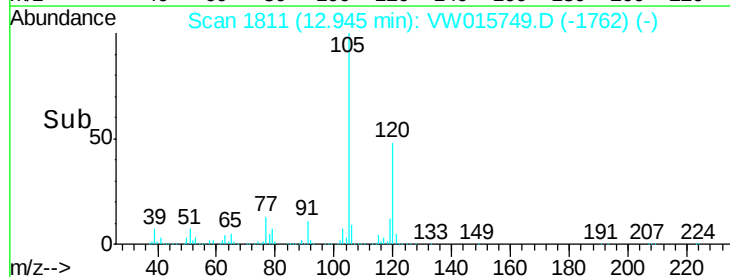
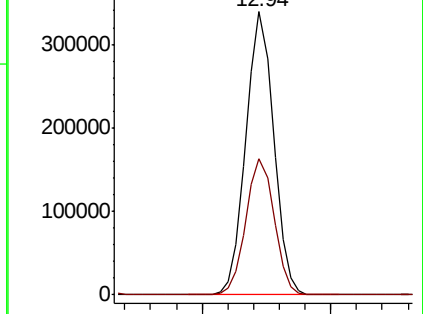
105 100

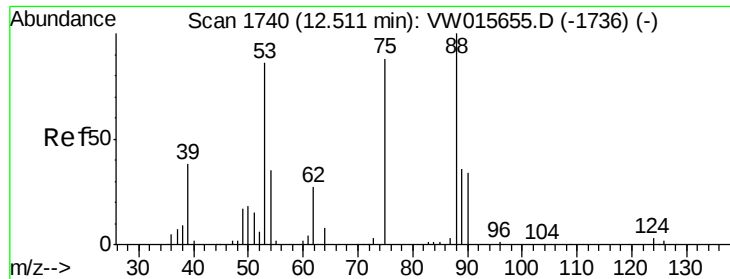
120 48.8 24.4 73.2



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: 48.584 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015749.D

Acq: 26 Jun 2020 16:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 27600

Ion Ratio Lower Upper

75 100

53 114.2 83.8 125.8

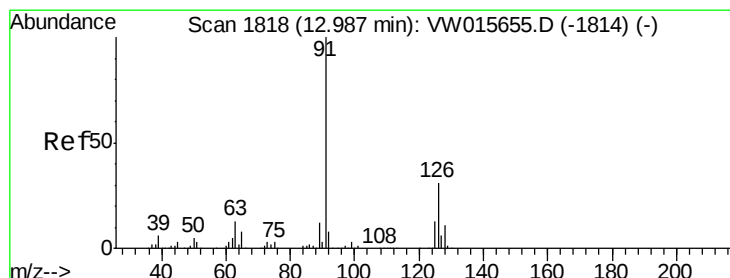
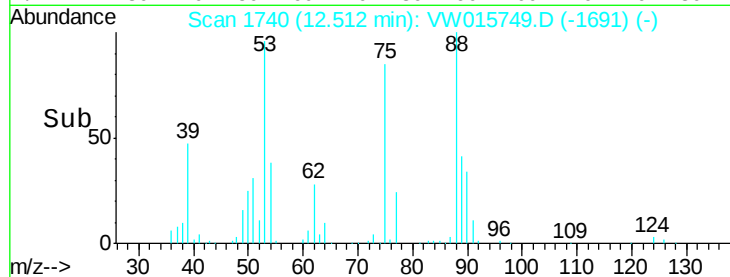
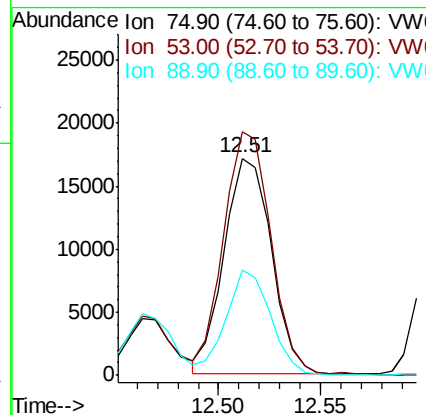
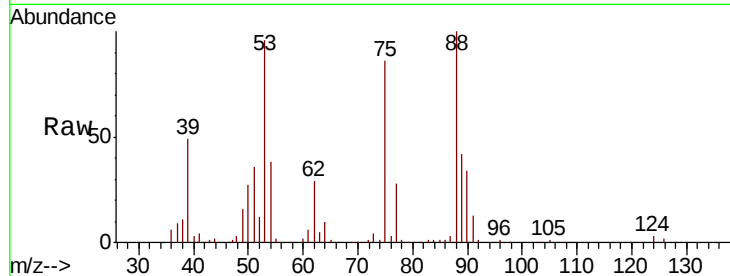
89 46.3 36.6 55.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 49.047 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015749.D

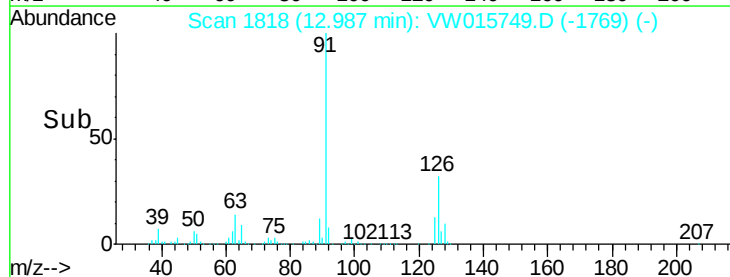
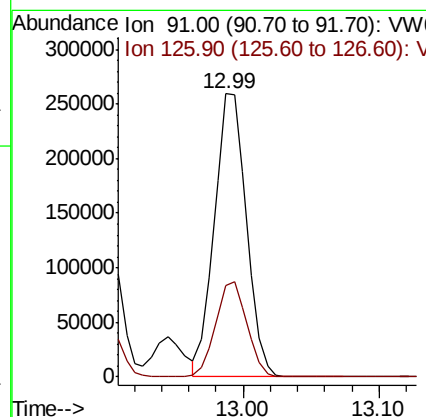
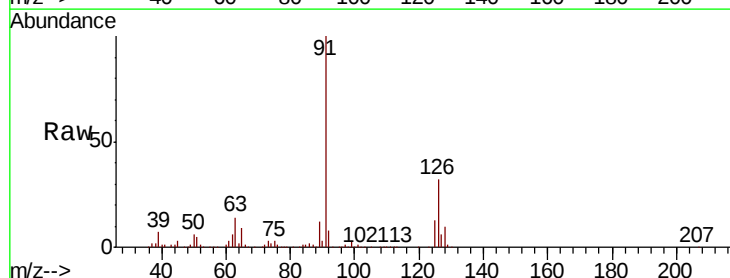
Acq: 26 Jun 2020 16:18

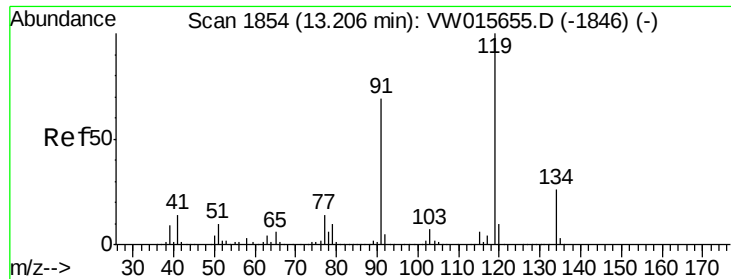
Tgt Ion: 91 Resp: 421044

Ion Ratio Lower Upper

91 100

126 33.2 16.3 48.9





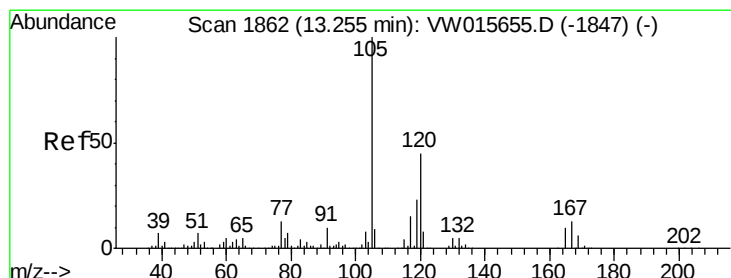
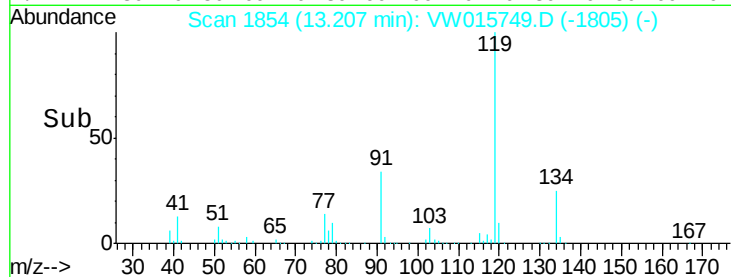
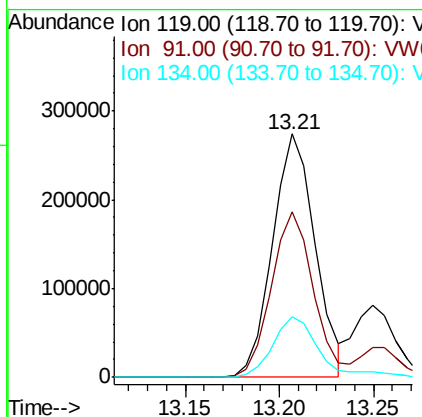
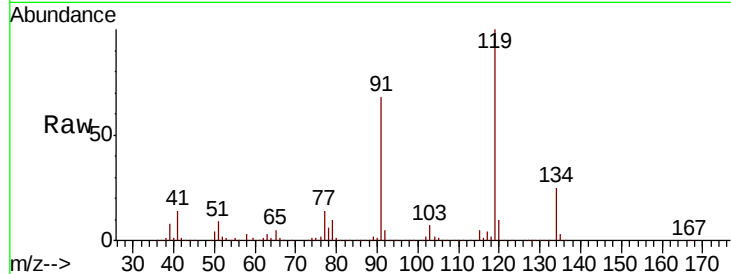
#83
 tert-Butylbenzene
 Concen: 50.047 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	428990		
91	67.8	34.7	104.1	
134	27.3	13.8	41.4	

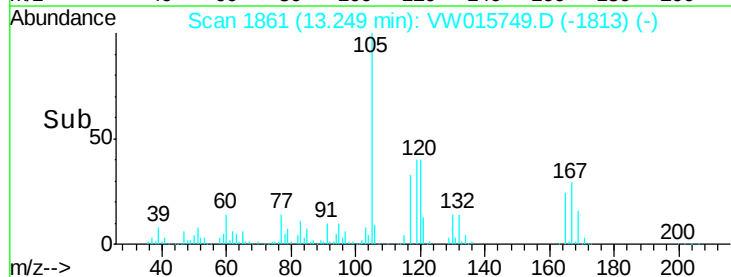
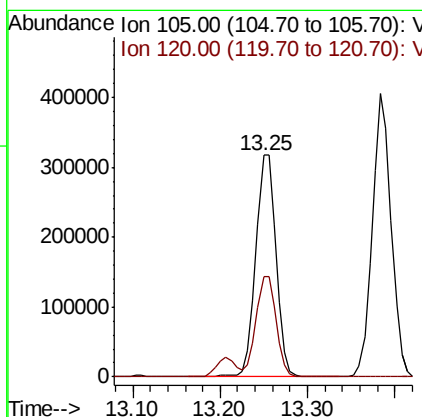
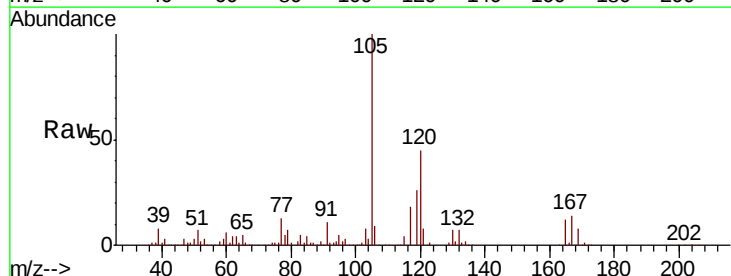
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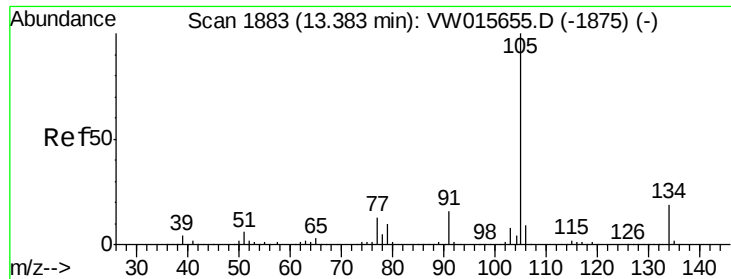
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.393 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	509827		
120	44.9	22.8	68.3	





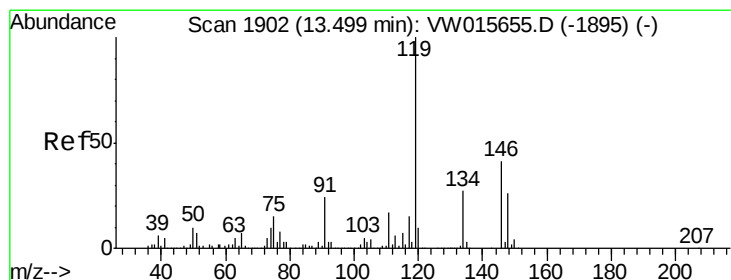
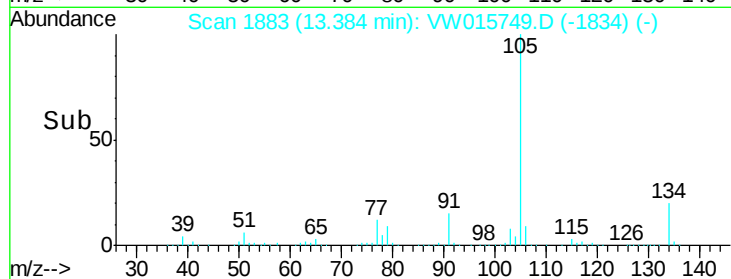
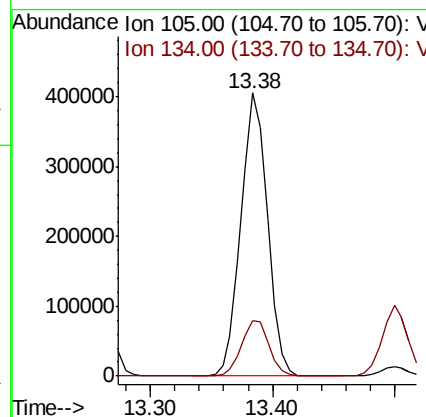
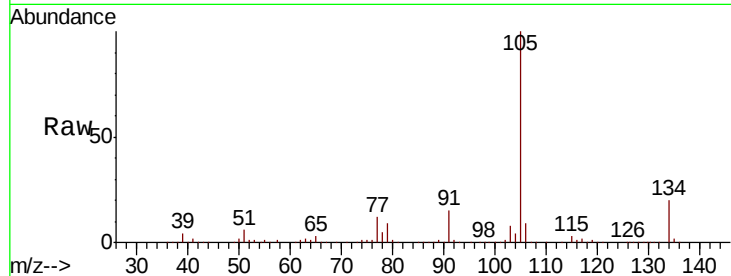
#85
 sec-Butylbenzene
 Concen: 49.658 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 608332
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.0 29.8

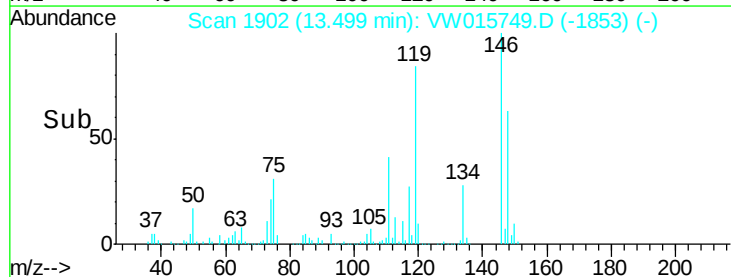
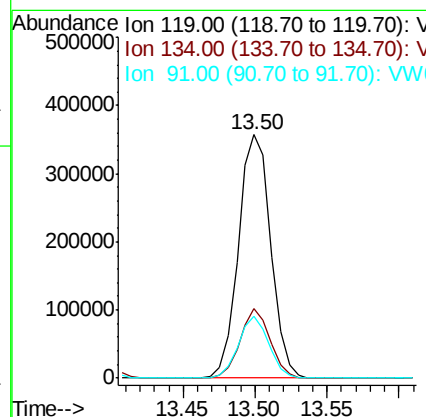
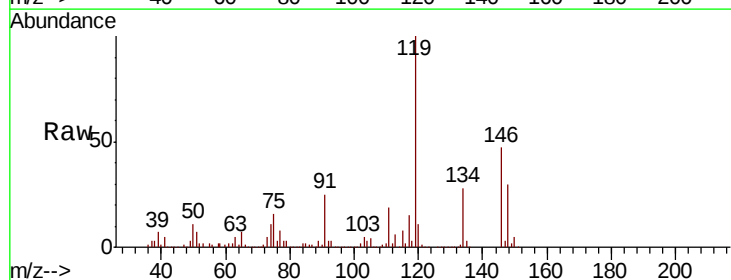
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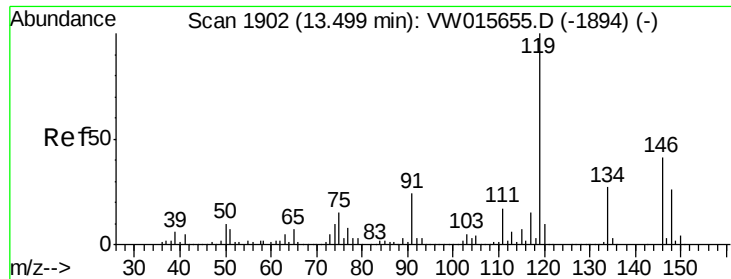
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#86
 p-Isopropyltoluene
 Concen: 49.839 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Tgt Ion:119 Resp: 554726
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.4
 91 24.0 12.3 36.8





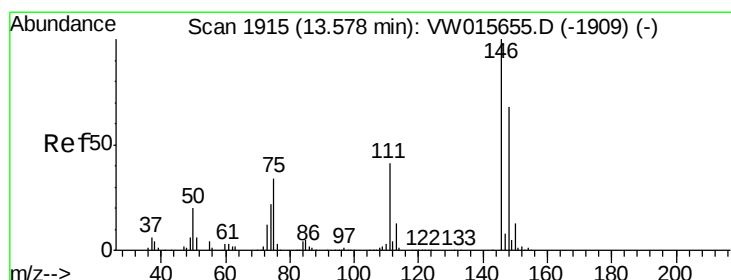
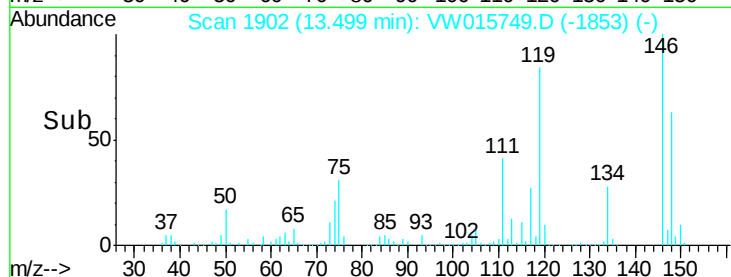
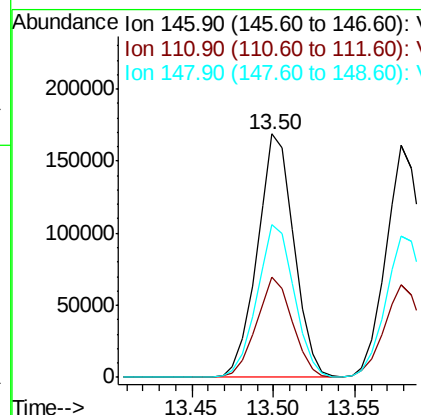
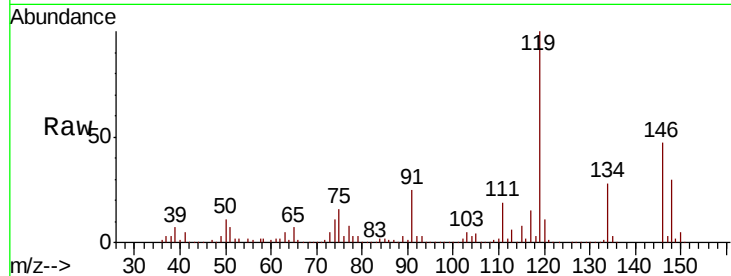
#87
 1,3-Dichlorobenzene
 Concen: 49.599 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	63.7	31.6	94.7

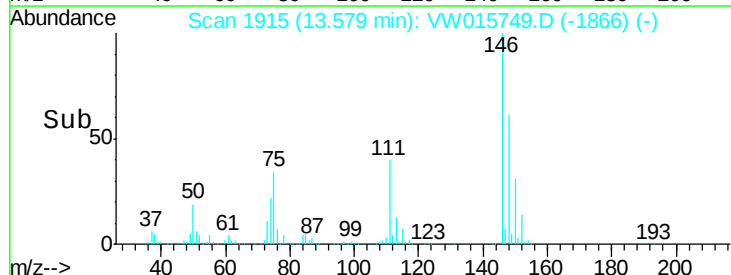
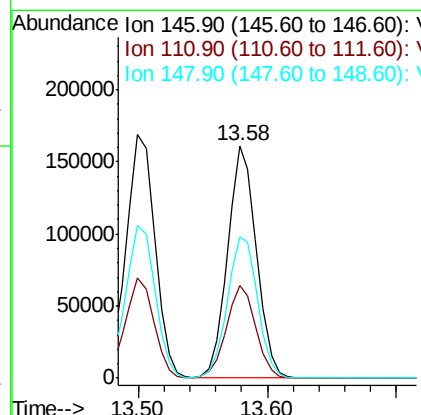
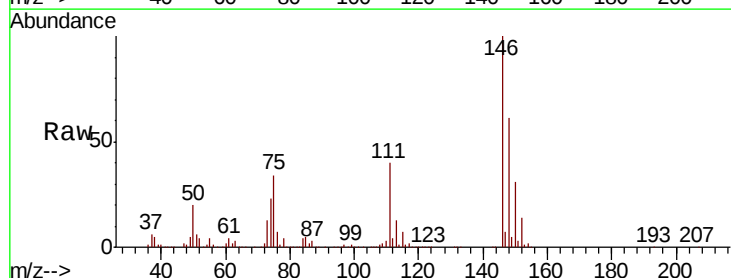
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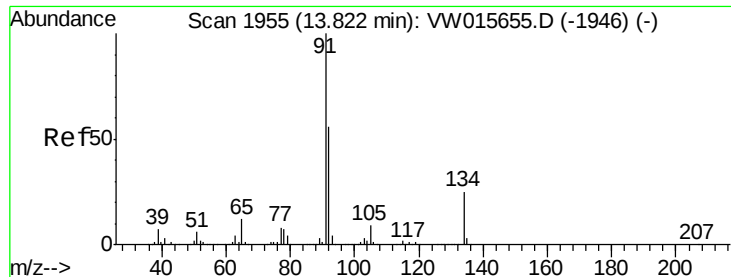
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#88
 1,4-Dichlorobenzene
 Concen: 48.295 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	63.8	33.7	101.1





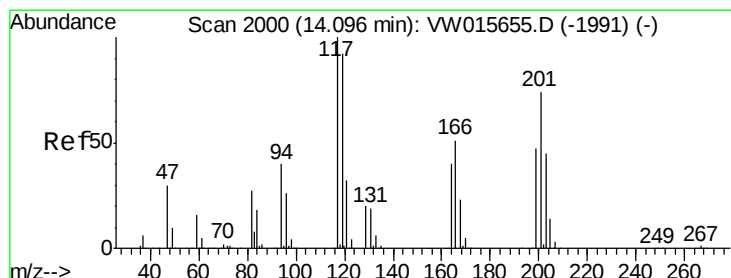
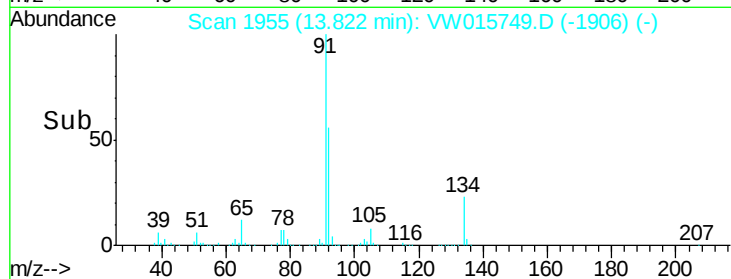
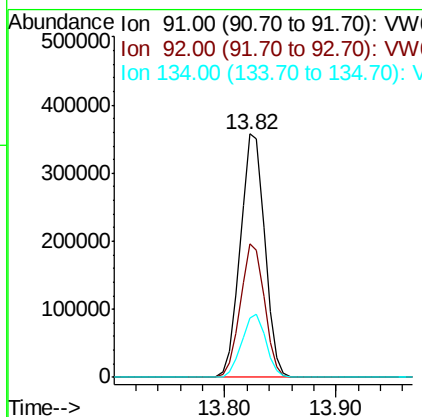
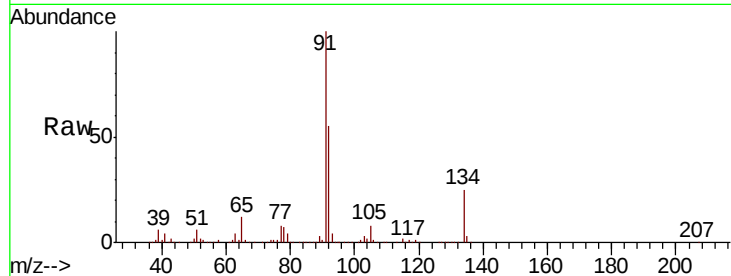
#89
n-Butylbenzene
Concen: 50.951 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	544398		
92	54.2		27.5	82.4
134	25.5		13.0	38.9

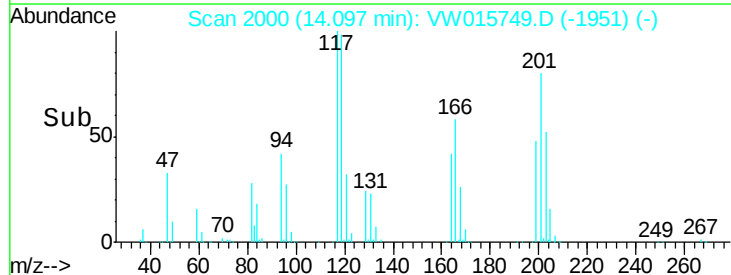
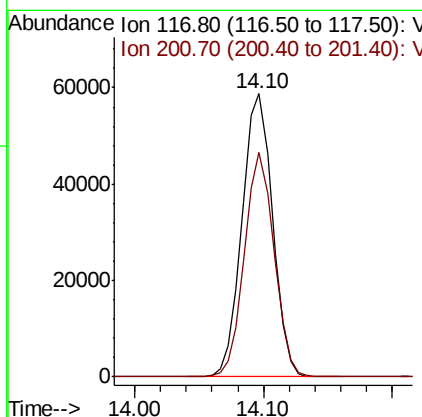
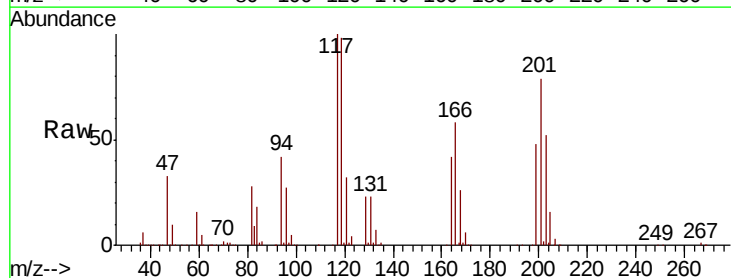
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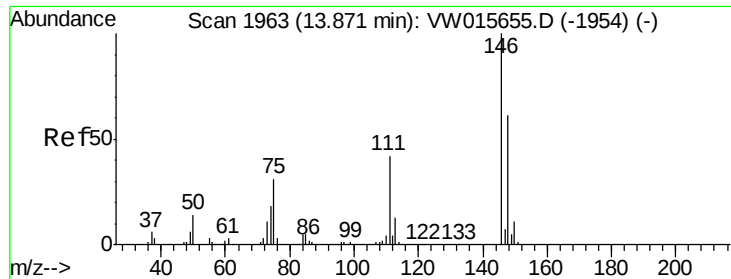
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#90
Hexachloroethane
Concen: 48.504 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	96074		
201	76.8		37.1	111.5





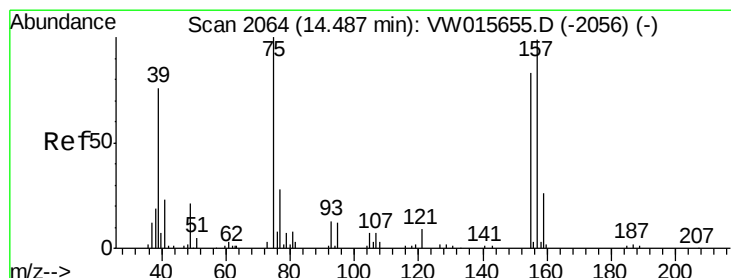
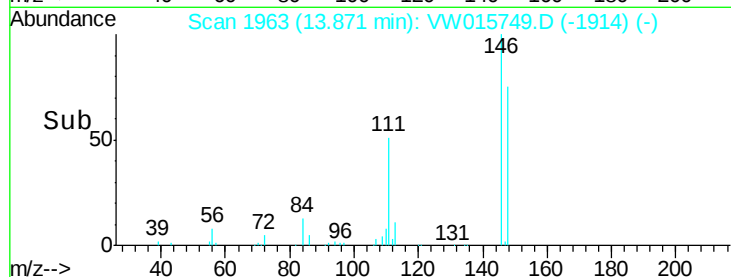
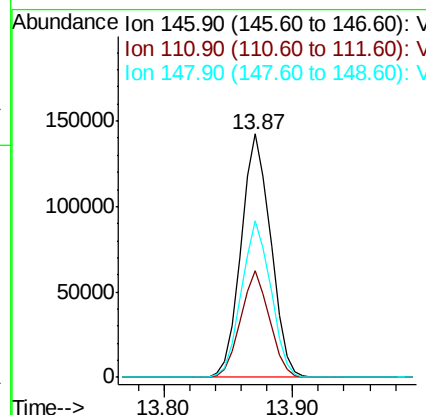
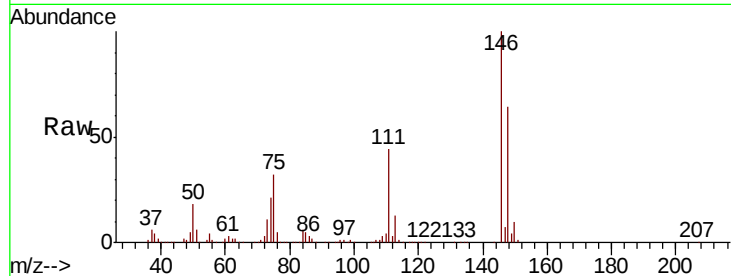
#91
 1,2-Dichlorobenzene
 Concen: 49.495 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.7
148	63.6	32.2	96.6

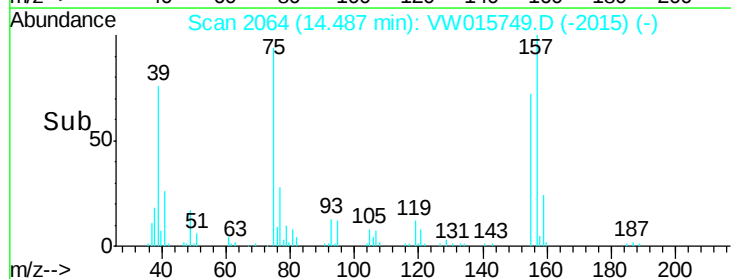
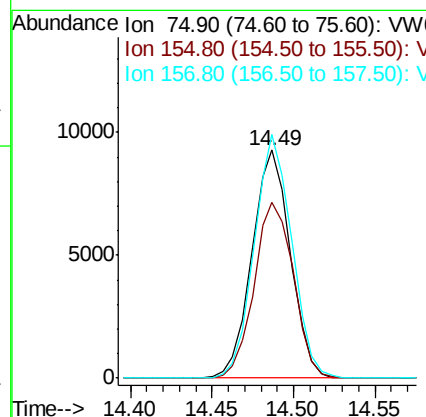
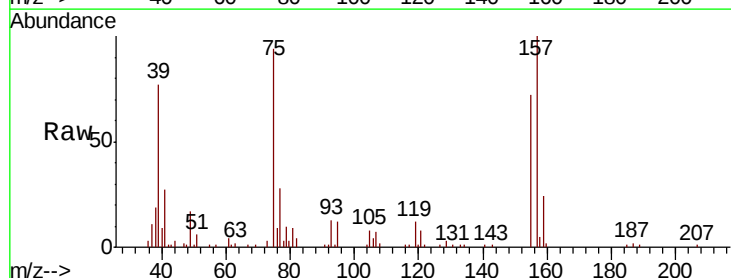
Manual Integrations
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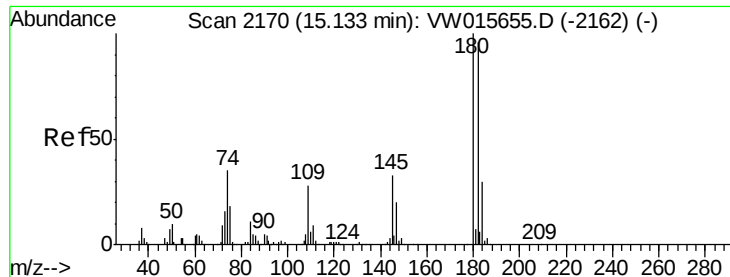
MMDadoda
 6/29/2020 12:34:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.513 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015749.D
 Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	40.8	122.2
157	104.3	50.7	152.1





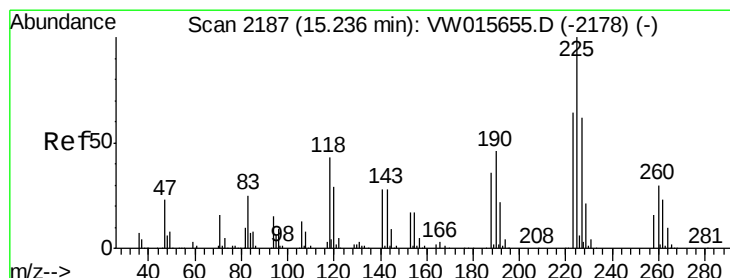
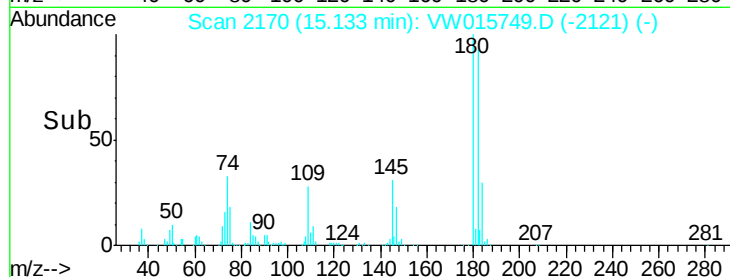
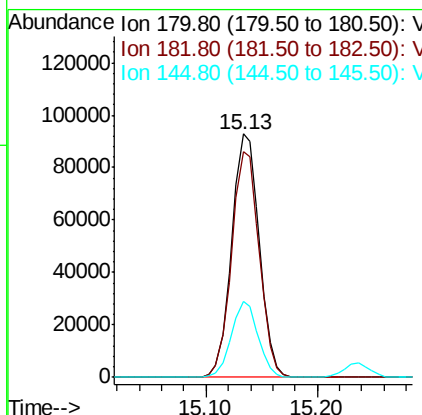
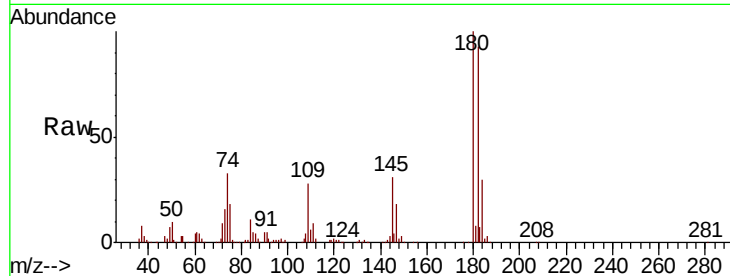
#93
1,2,4-Trichlorobenzene
Concen: 52.297 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158247		
182	93.1	47.9	143.6	
145	30.3	15.6	46.7	

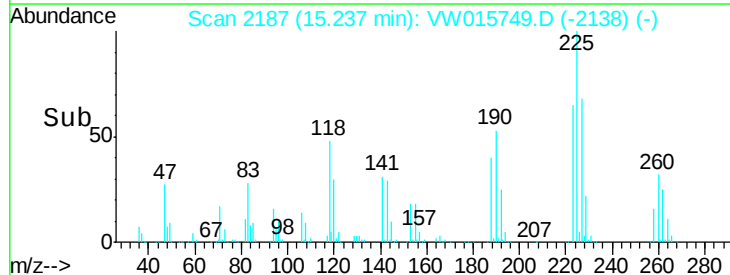
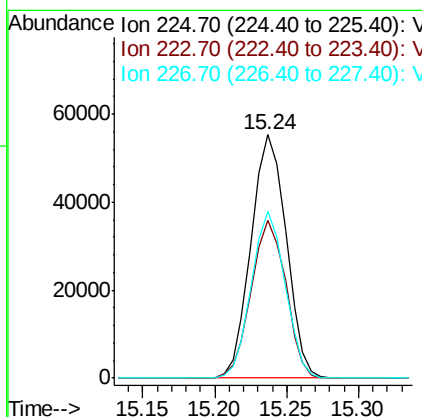
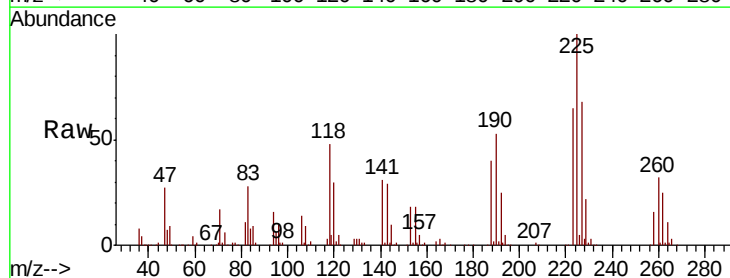
Manual Integrations
APPROVED

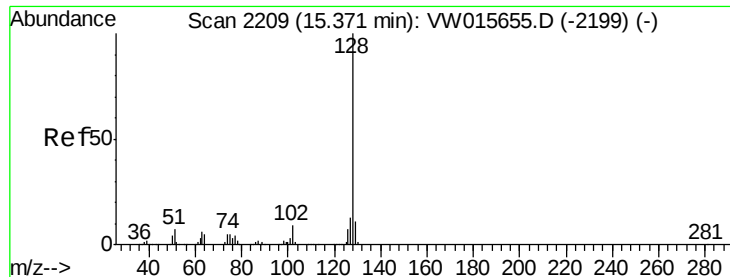
MMDadoda
6/29/2020 12:34:05 PM



#94
Hexachlorobutadiene
Concen: 48.484 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93464		
223	63.8	31.0	93.0	
227	65.8	31.9	95.9	





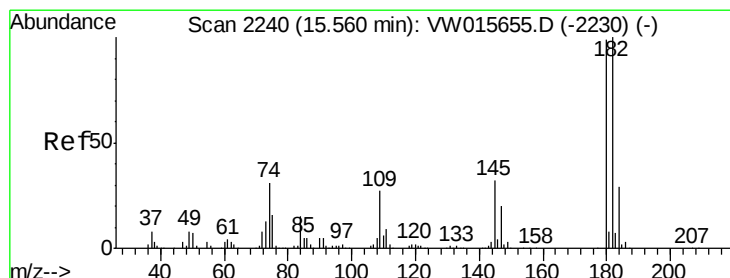
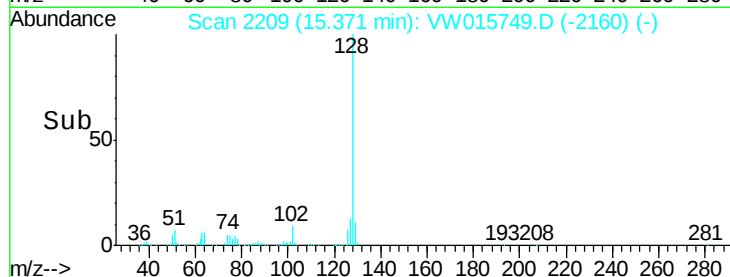
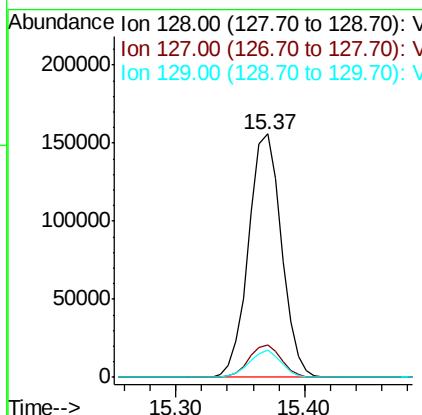
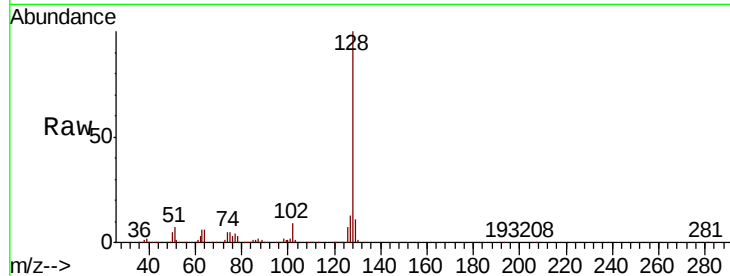
#95
Naphthalene
Concen: 54.841 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:34:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.584 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015749.D
Acq: 26 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	49.0	147.0
145	32.5	16.4	49.2

