

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001211.D
 Acq On : 15 Jan 2020 12:43
 Operator : SY/MD
 Sample : L1126-05MSD
 Misc : 5.22G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:11 AM

Quant Time: Jan 16 08:04:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	169780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	299412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	248584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	101980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	90934	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	7.73	113	84998	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	10.18	98	337309	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.48	95	117783	42.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	66279	50.831	ug/l	97
3) Chloromethane	2.12	50	103012	54.809	ug/l	99
4) Vinyl Chloride	2.25	62	107991	57.034	ug/l	96
5) Bromomethane	2.65	94	70440	69.258	ug/l	98
6) Chloroethane	2.80	64	66953	61.206	ug/l	98
7) Trichlorofluoromethane	3.13	101	130825	49.638	ug/l	98
8) Diethyl Ether	3.54	74	55390	54.086	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	82526	48.646	ug/l	99
10) Methyl Iodide	4.10	142	121473	52.312	ug/l	99
11) Tert butyl alcohol	4.96	59	49362	273.599	ug/l	98
12) 1,1-Dichloroethene	3.88	96	89058	51.311	ug/l	98
13) Acrolein	3.74	56	40758	250.940	ug/l	99
14) Allyl chloride	4.49	41	155677	53.144	ug/l	99
15) Acrylonitrile	5.18	53	142294	277.820	ug/l	99
16) Acetone	3.96	43	142386	341.904	ug/l	98
17) Carbon Disulfide	4.20	76	274279	48.826	ug/l	100
18) Methyl Acetate	4.49	43	75239	54.644	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	262897	54.759	ug/l	97
20) Methylene Chloride	4.73	84	106457	55.457	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	101023	51.332	ug/l	96
22) Diisopropyl ether	6.13	45	325202	54.353	ug/l	96
23) Vinyl Acetate	6.07	43	994840	259.989	ug/l	100
24) 1,1-Dichloroethane	6.03	63	176568	53.905	ug/l	98
25) 2-Butanone	7.00	43	201152	310.351	ug/l	100
26) 2,2-Dichloropropane	6.99	77	150967	50.120	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	115528	53.573	ug/l	100
28) Bromochloromethane	7.35	49	75951	56.467	ug/l	99
29) Tetrahydrofuran	7.36	42	124580	280.476	ug/l	98
30) Chloroform	7.52	83	169387	52.778	ug/l	99
31) Cyclohexane	7.79	56	153581	44.284	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	145442	51.074	ug/l	99
36) 1,1-Dichloropropene	7.93	75	132129	48.417	ug/l	99
37) Ethyl Acetate	7.09	43	83736	52.284	ug/l	99
38) Carbon Tetrachloride	7.91	117	122700	49.061	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	140838	38.067	ug/l	99
40) Benzene	8.17	78	416230	52.251	ug/l	100
41) Methacrylonitrile	7.33	41	39559m	52.583	ug/l	
42) 1,2-Dichloroethane	8.25	62	115921	51.969	ug/l	99
43) Isopropyl Acetate	8.28	43	165431	54.018	ug/l	99
44) Trichloroethene	8.94	130	104579	50.382	ug/l	100
45) 1,2-Dichloropropane	9.22	63	104109	52.865	ug/l	99
46) Dibromomethane	9.31	93	57086	53.127	ug/l	99
47) Bromodichloromethane	9.50	83	136555	52.146	ug/l	100
48) Methyl methacrylate	9.30	41	76959	54.304	ug/l	99
49) 1,4-Dioxane	9.30	88	16109	1231.041	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	422923	272.161	ug/l	100
52) Toluene	10.24	92	254941	50.178	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	150408	51.328	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	171219	51.824	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	85160	53.460	ug/l	99
56) Ethyl methacrylate	10.51	69	129529	53.157	ug/l	98
57) 1,3-Dichloropropane	10.79	76	146957	53.738	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	197938	230.961	ug/l	99
59) 2-Hexanone	10.83	43	316249	290.389	ug/l	98
60) Dibromochloromethane	10.99	129	96239	52.472	ug/l	98
61) 1,2-Dibromoethane	11.09	107	80064	51.474	ug/l	100
64) Tetrachloroethene	10.72	164	84014	52.429	ug/l	98
65) Chlorobenzene	11.52	112	260567	52.458	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	95592	55.838	ug/l	99
67) Ethyl Benzene	11.59	91	465823	51.266	ug/l	99
68) m/p-Xylenes	11.70	106	352990	102.983	ug/l	99
69) o-Xylene	12.03	106	170251	51.805	ug/l	100
70) Styrene	12.04	104	301631	52.310	ug/l	99
71) Bromoform	12.20	173	58594	55.500	ug/l #	100
73) Isopropylbenzene	12.33	105	418810	54.628	ug/l	100
74) N-amyl acetate	12.14	43	159336	66.595	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	105001	65.097	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	68645m	62.879	ug/l	
77) Bromobenzene	12.61	156	99221	58.571	ug/l	99
78) n-propylbenzene	12.67	91	477744	51.806	ug/l	100
79) 2-Chlorotoluene	12.75	91	287670	54.318	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	337593	52.775	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	41276	64.115	ug/l #	97
82) 4-Chlorotoluene	12.85	91	301782	53.376	ug/l	100
83) tert-Butylbenzene	13.07	119	273893	50.957	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	339412	53.430	ug/l	99
85) sec-Butylbenzene	13.25	105	356394	46.090	ug/l	99
86) p-Isopropyltoluene	13.37	119	314591	46.858	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	168244	52.515	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	171532	52.022	ug/l	99
89) n-Butylbenzene	13.69	91	274019	40.524	ug/l	99
90) Hexachloroethane	13.95	117	61078	46.559	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	160388	53.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18614	63.974	ug/l	99

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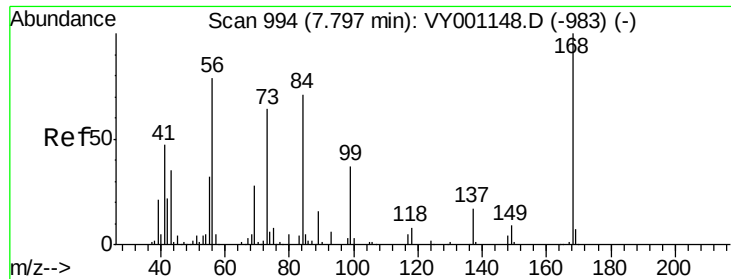
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	70752	36.065	ug/l	98
94) Hexachlorobutadiene	15.11	225	29170	29.515	ug/l	98
95) Naphthalene	15.23	128	234842	51.420	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	63950	36.988	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion:168 Resp: 169780

Ion Ratio Lower Upper

168 100

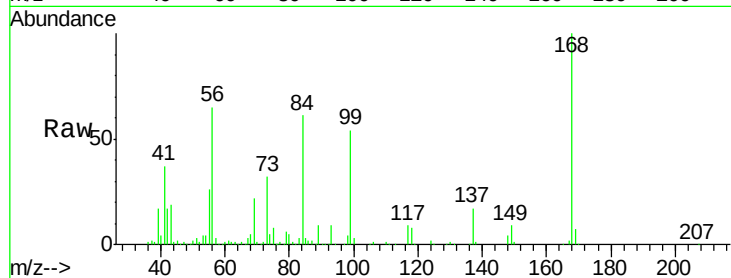
99 54.2 47.9 71.9

Manual Integrations

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1/16/2020 9:36:11 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

40000

20000

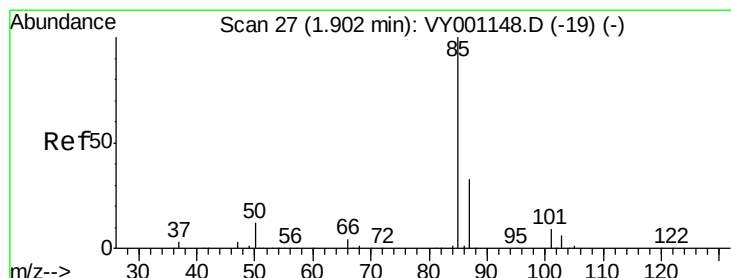
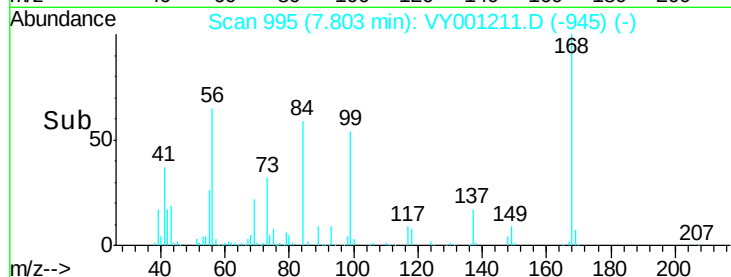
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.831 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001211.D

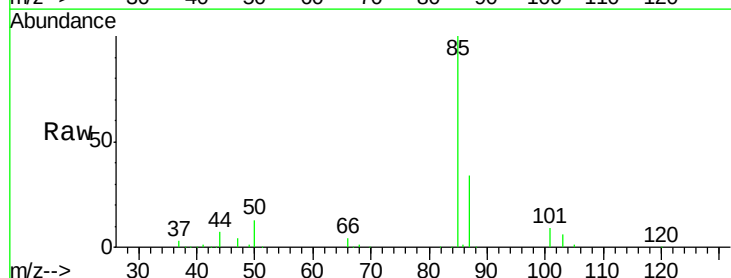
Acq: 15 Jan 2020 12:43

Tgt Ion: 85 Resp: 66279

Ion Ratio Lower Upper

85 100

87 34.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001148.D (-19) (-)

1.90

50000

40000

30000

20000

10000

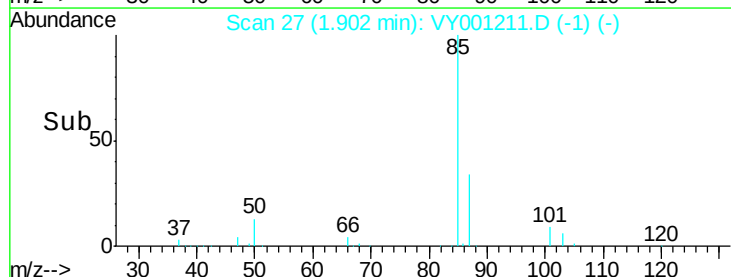
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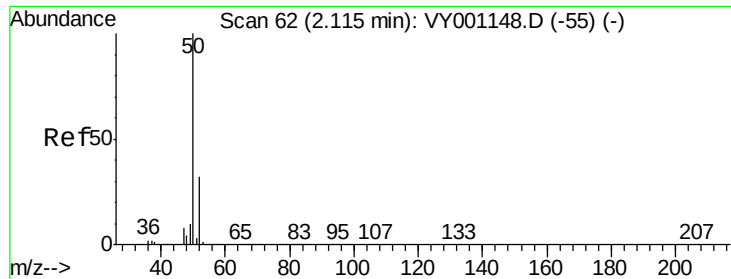
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 54.809 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion: 50 Resp: 103012

Ion Ratio Lower Upper

50 100

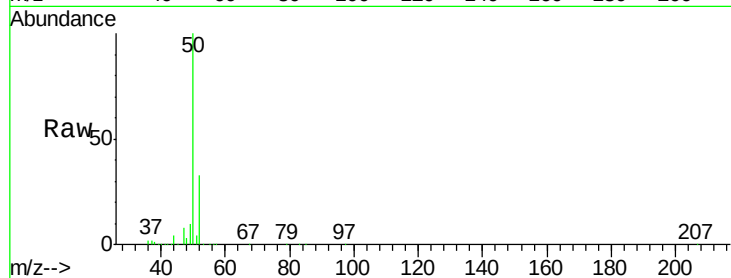
52 33.0 25.8 38.6

Manual Integrations

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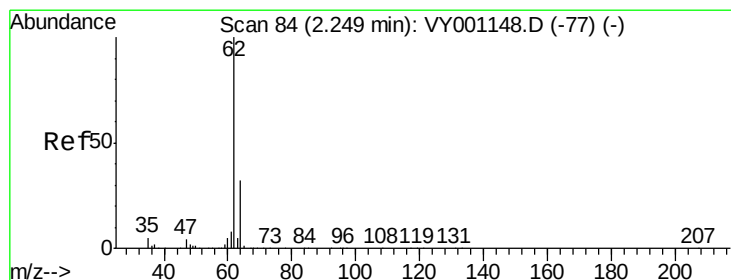
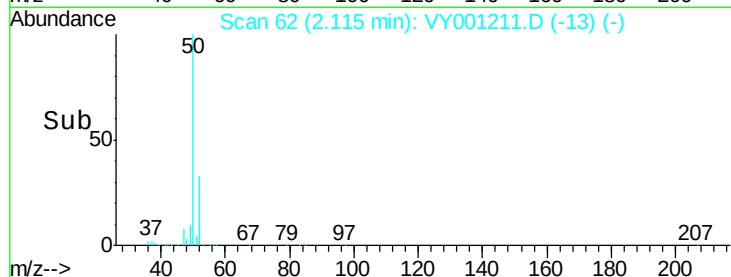
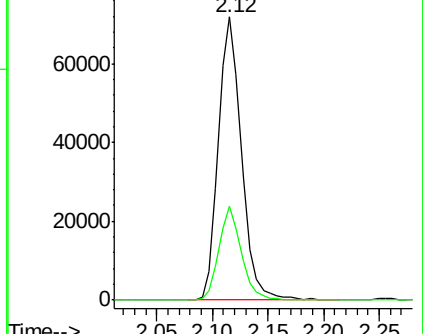
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 57.034 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001211.D

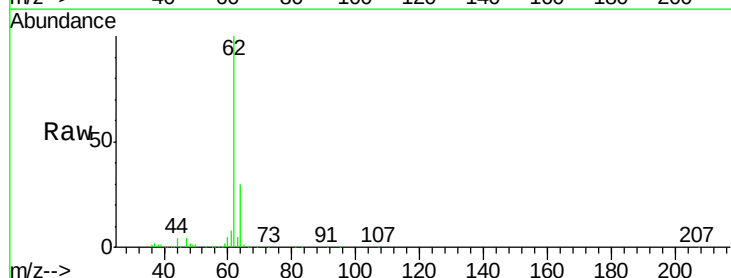
Acq: 15 Jan 2020 12:43

Tgt Ion: 62 Resp: 107991

Ion Ratio Lower Upper

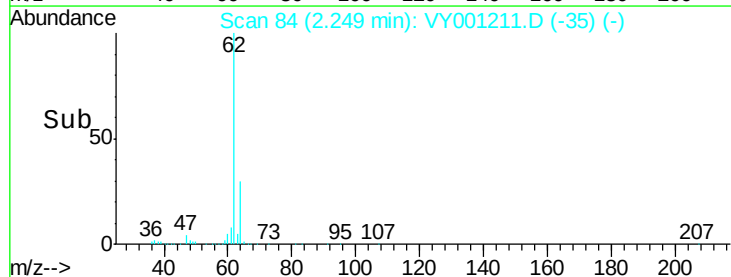
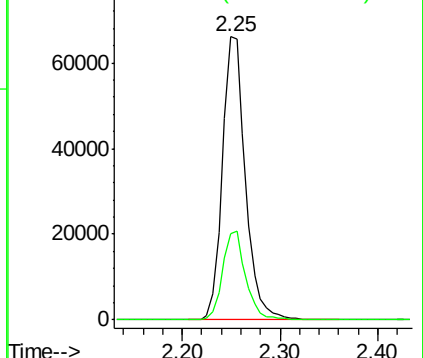
62 100

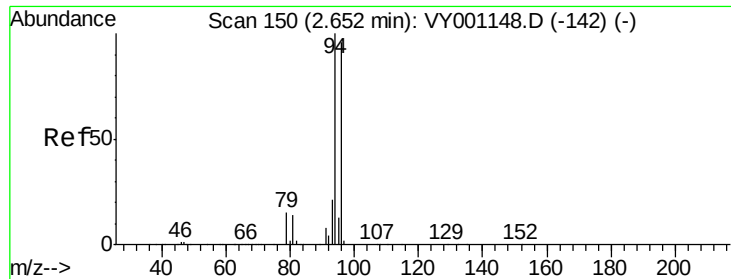
64 30.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 69.258 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion: 94 Resp: 70440

Ion Ratio Lower Upper

94 100

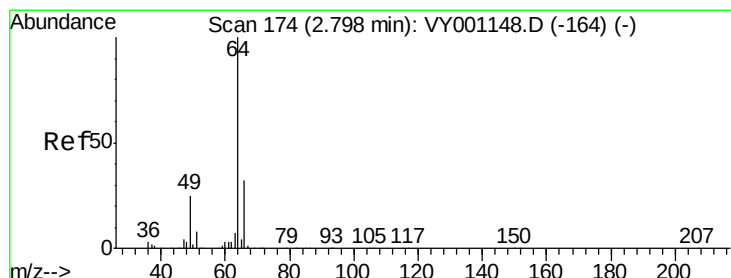
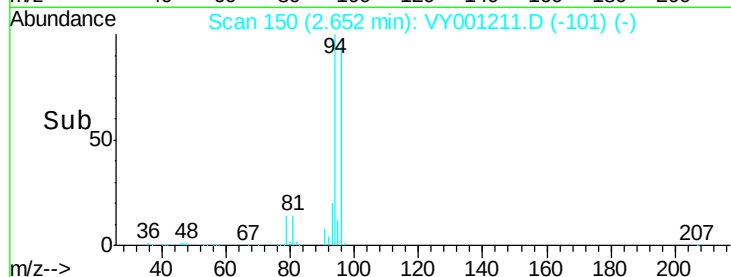
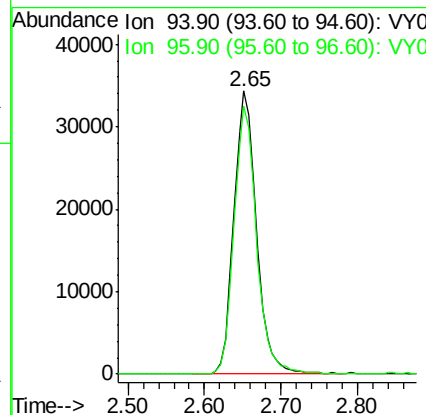
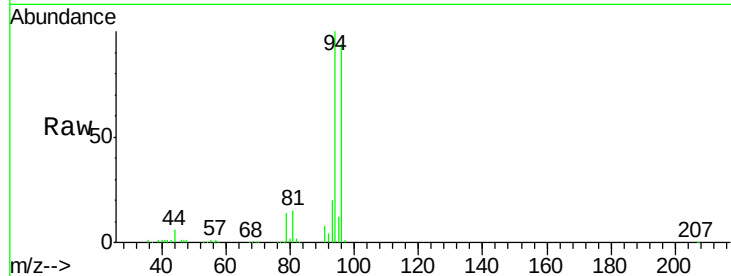
96 94.5 77.3 115.9

Manual Integrations

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#6

Chloroethane

Concen: 61.206 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY001211.D

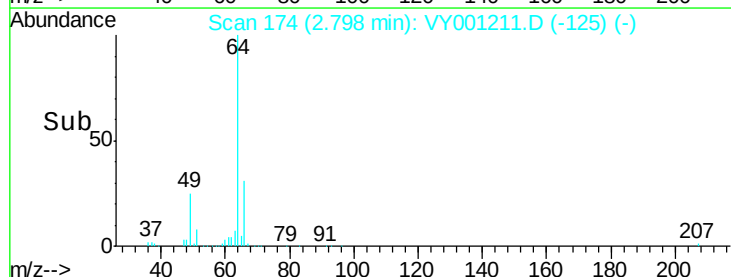
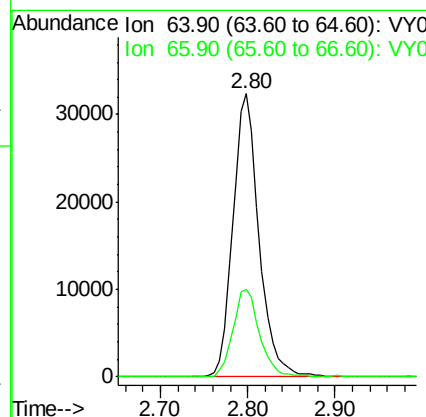
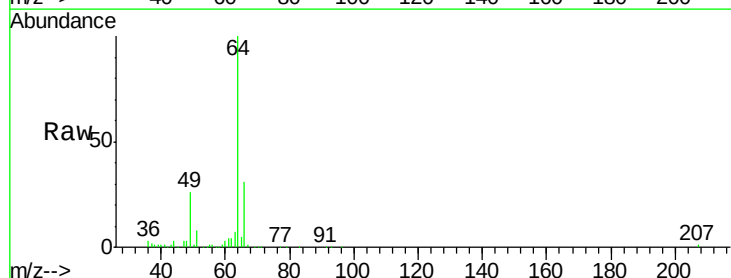
Acq: 15 Jan 2020 12:43

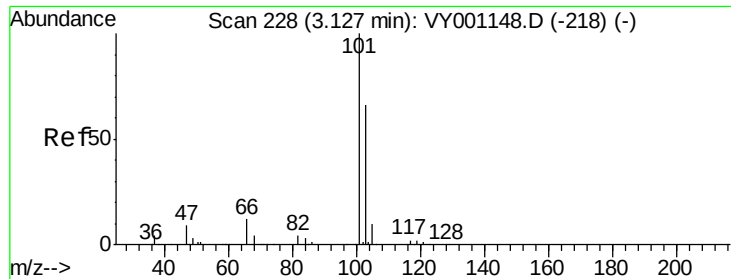
Tgt Ion: 64 Resp: 66953

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3





#7

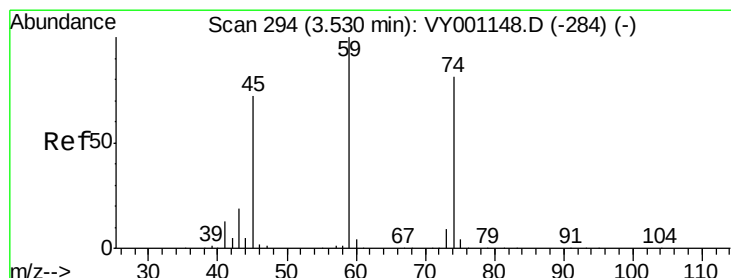
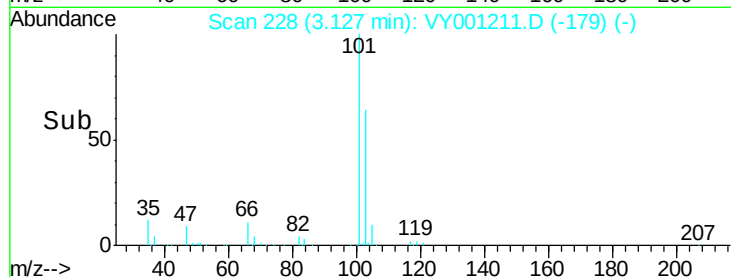
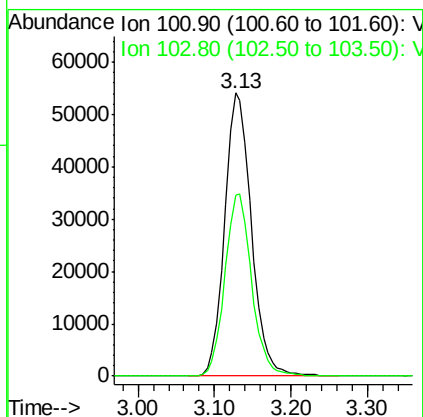
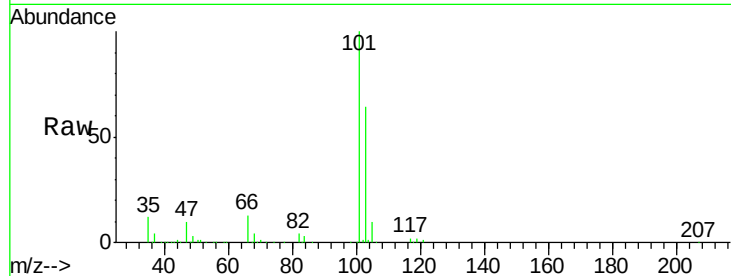
Trichlorofluoromethane
Concen: 49.638 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
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ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.6	79.0

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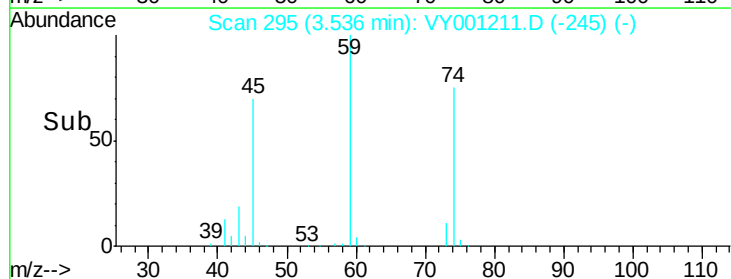
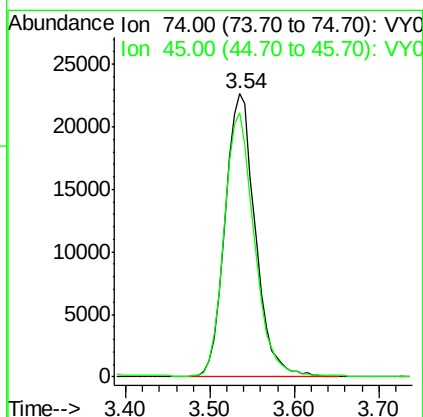
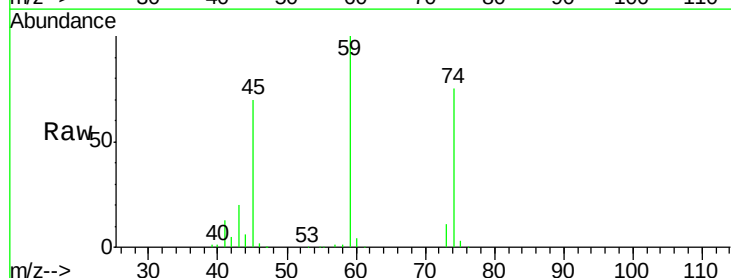
MMDadoda
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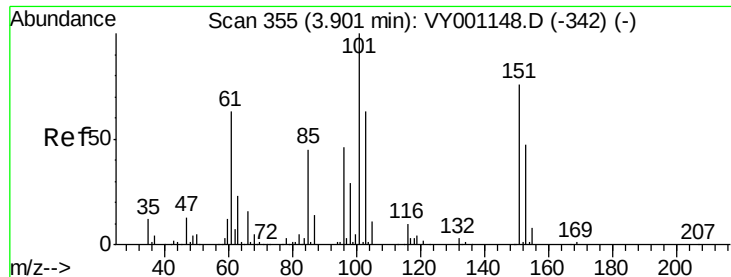


#8

Diethyl Ether
Concen: 54.086 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.646 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

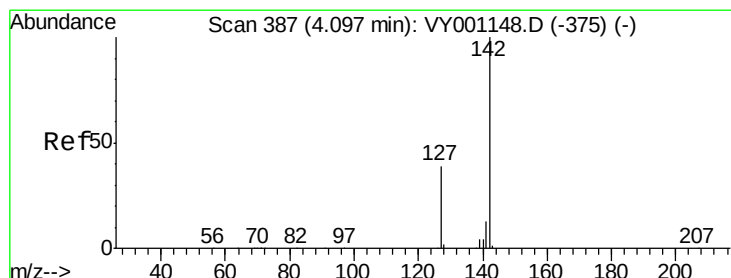
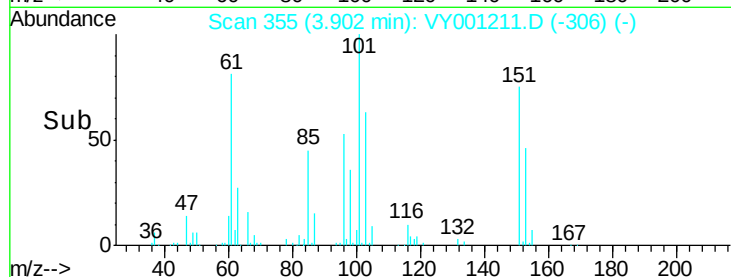
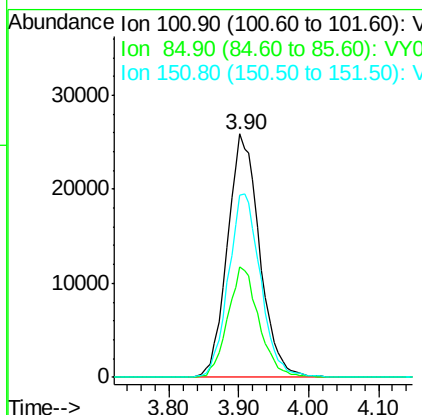
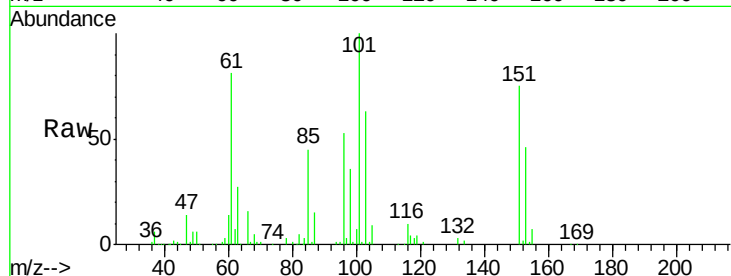
ClientSampleId :

BW-1-3.0MSD

Tot Ion:	101	Resp:	82526
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.2	52.8
151	75.7	61.4	92.2

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#10

Methyl Iodide

Concen: 52.312 ug/l

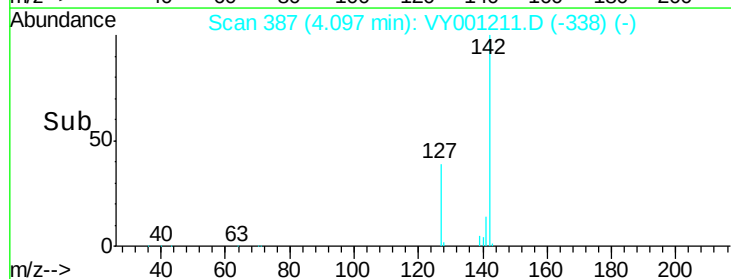
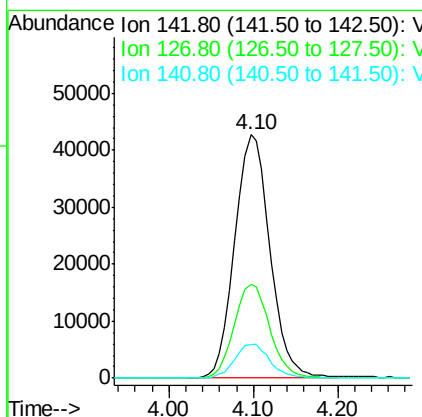
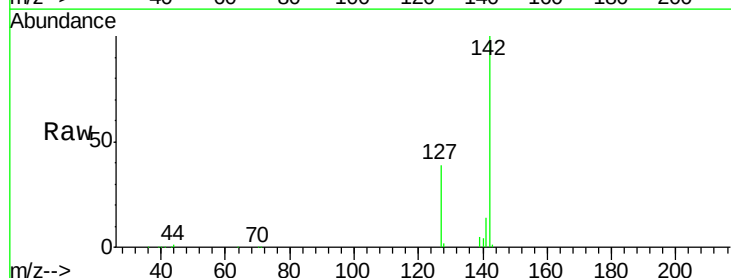
RT: 4.10 min Scan# 387

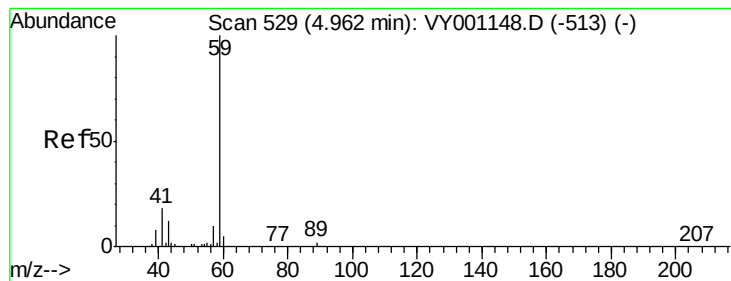
Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Tgt Ion:	142	Resp:	121473
Ion Ratio	Lower	Upper	
142	100		
127	38.9	30.8	46.2
141	13.9	11.0	16.4





#11

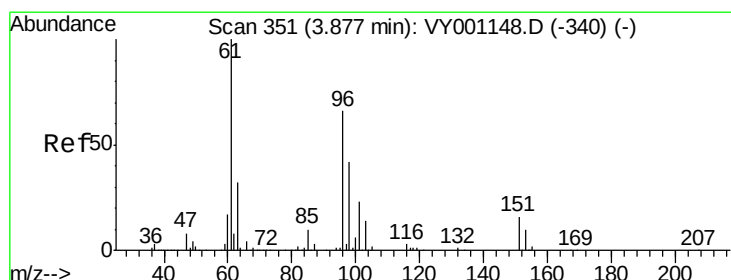
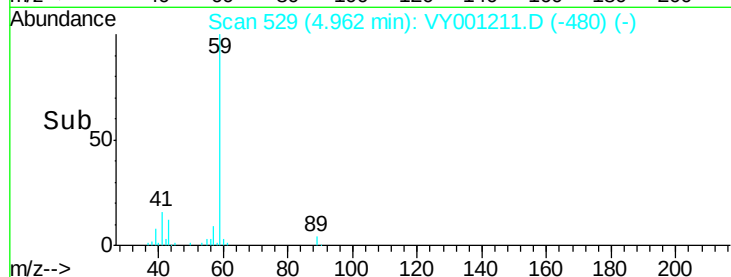
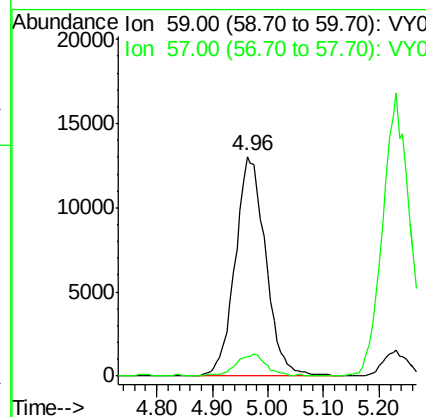
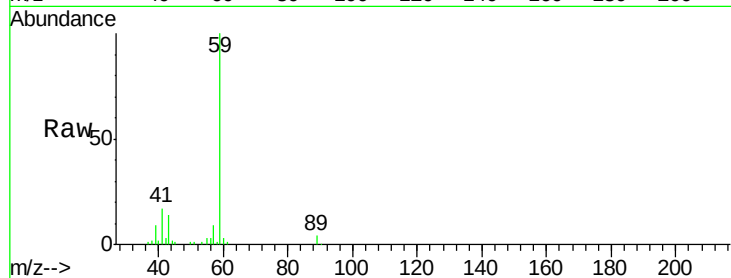
Tert butyl alcohol
Concen: 273.599 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	49362		
57	8.9		7.8	11.8

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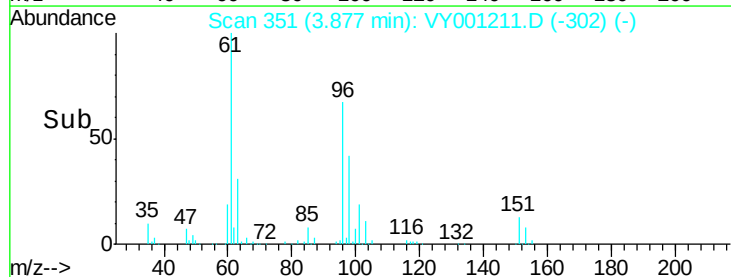
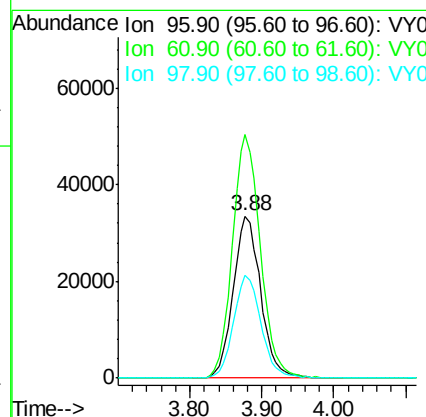
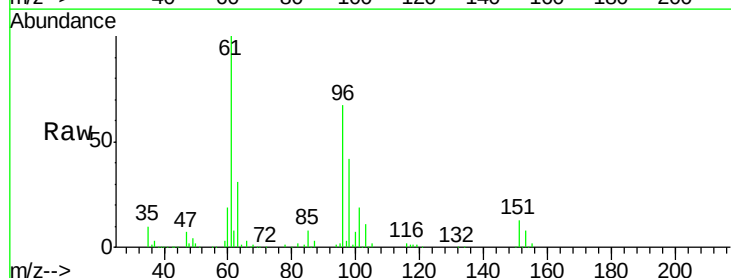
MMDadoda
1/16/2020 9:36:11 AM

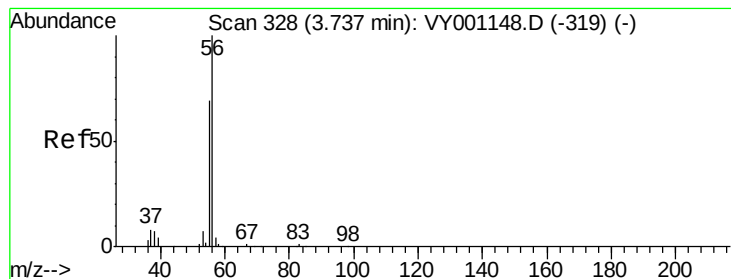


#12

1,1-Dichloroethene
Concen: 51.311 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	89058		
61	150.3		122.1	183.1
98	63.1		51.0	76.6





#13

Acrolein

Concen: 250.940 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion: 56 Resp: 40758

Ion Ratio Lower Upper

56 100

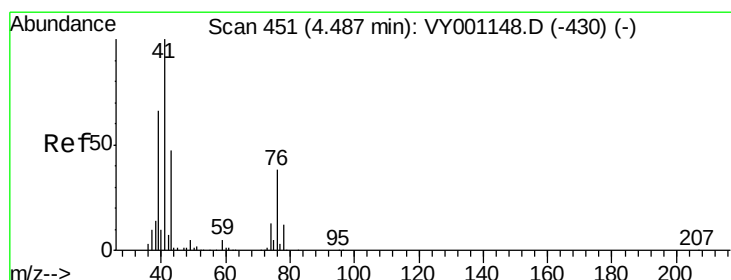
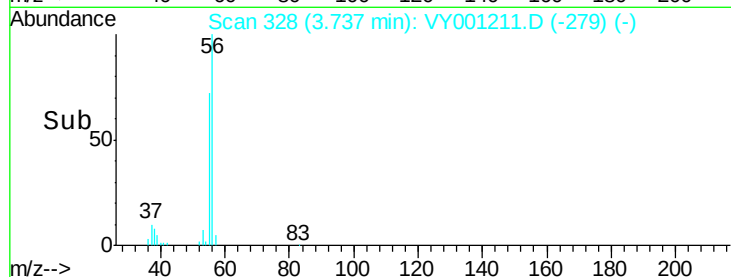
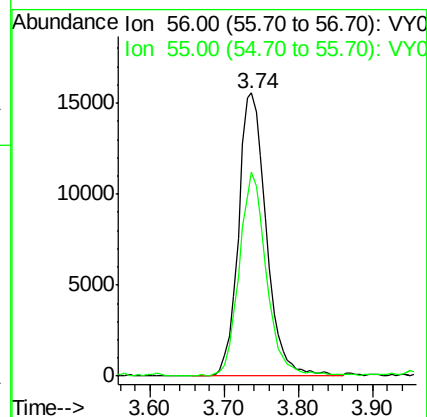
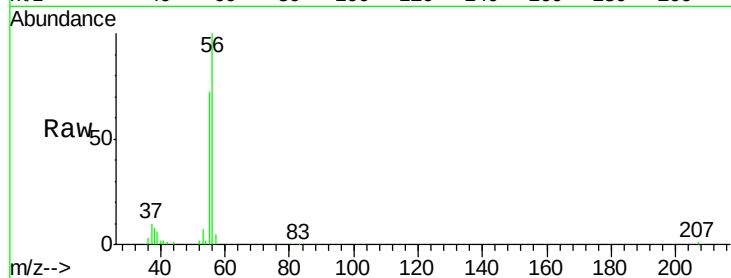
55 70.5 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 53.144 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

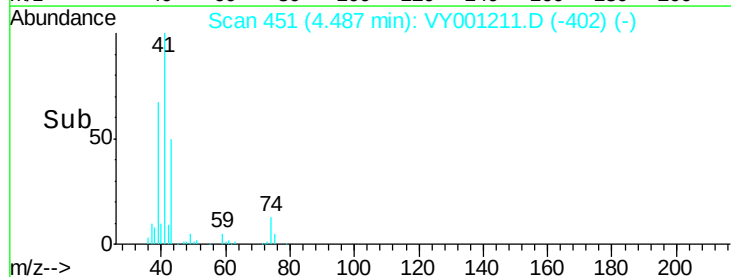
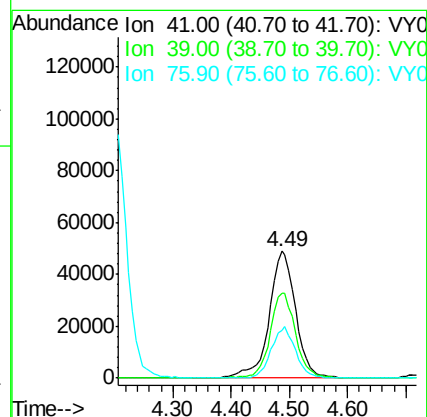
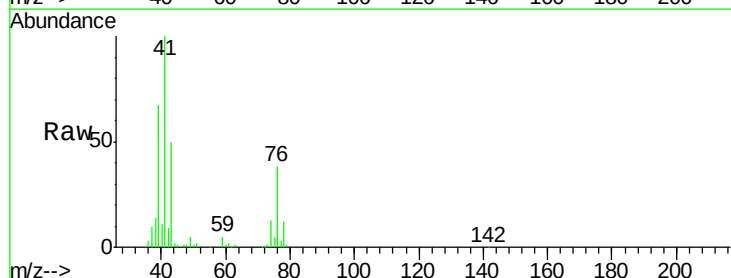
Tgt Ion: 41 Resp: 155677

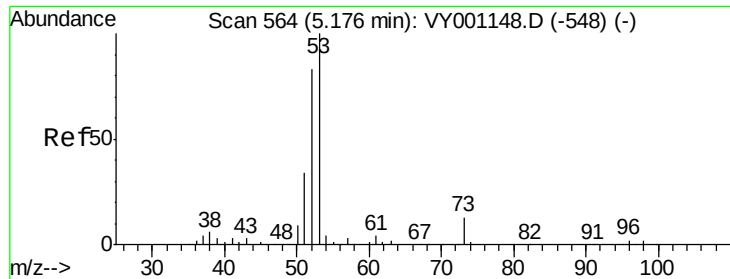
Ion Ratio Lower Upper

41 100

39 64.7 52.6 78.8

76 36.8 30.2 45.2





#15

Acrylonitrile

Concen: 277.820 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

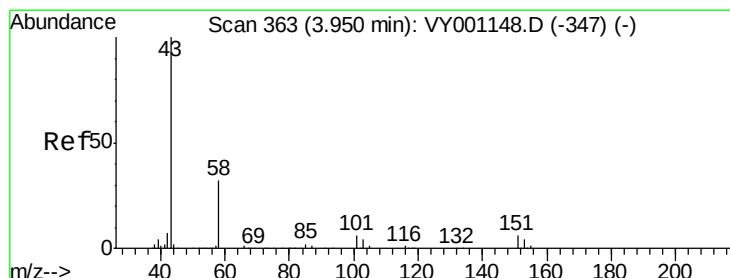
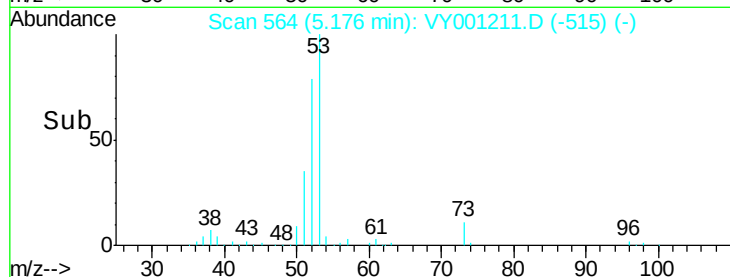
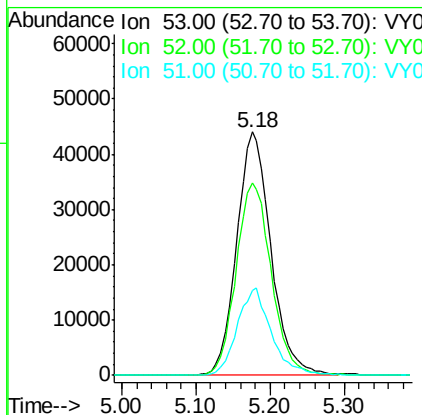
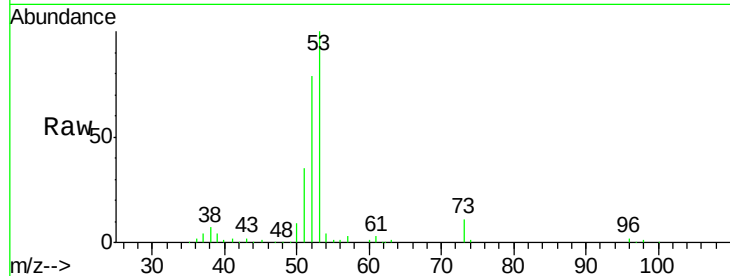
ClientSampleId :

BW-1-3.0MSD

Tot Ion:	53	Resp:	142294
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.7	98.5
51	35.6	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 341.904 ug/l

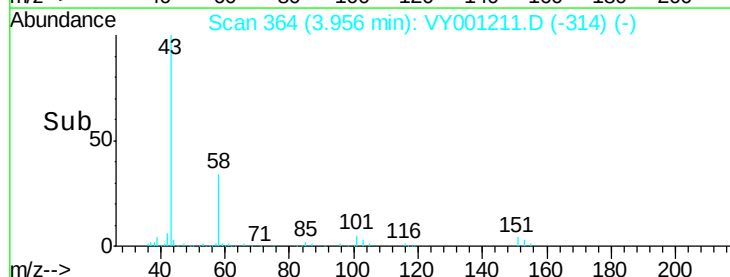
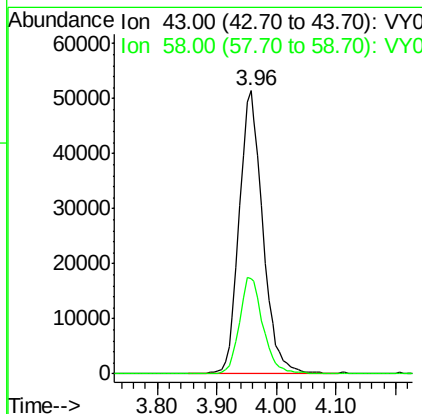
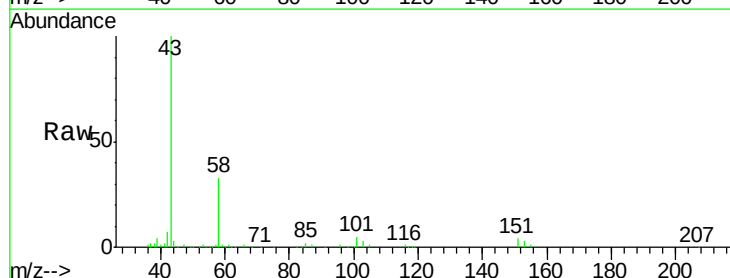
RT: 3.96 min Scan# 364

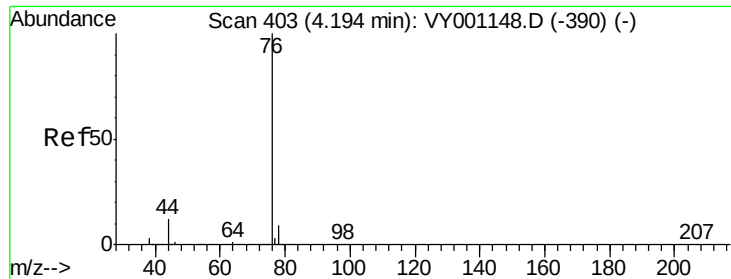
Delta R.T. 0.01 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Tgt Ion:	43	Resp:	142386
Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.8	38.6





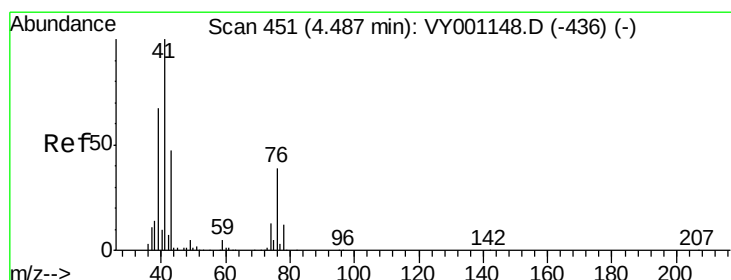
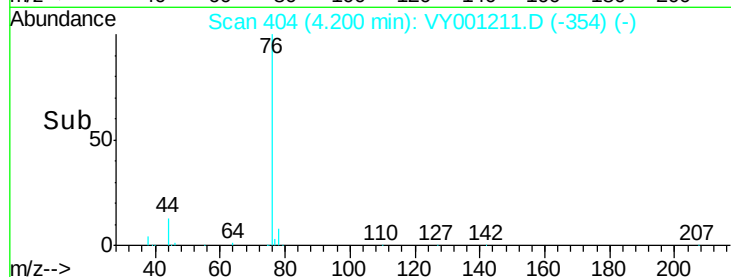
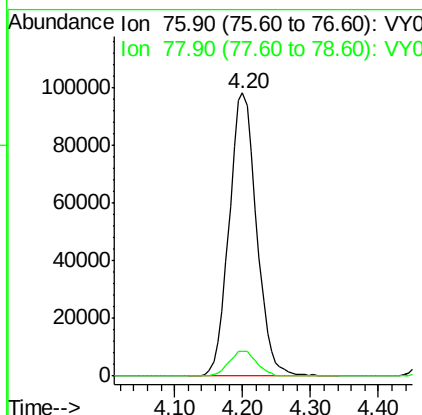
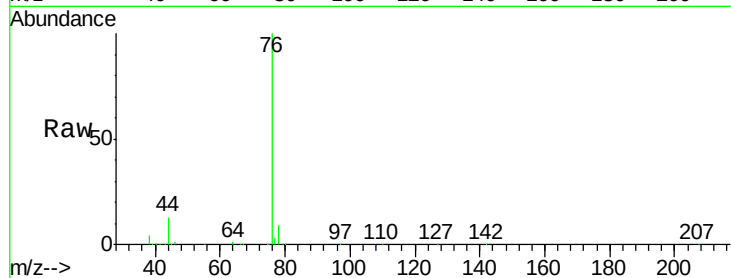
#17
Carbon Disulfide
Concen: 48.826 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

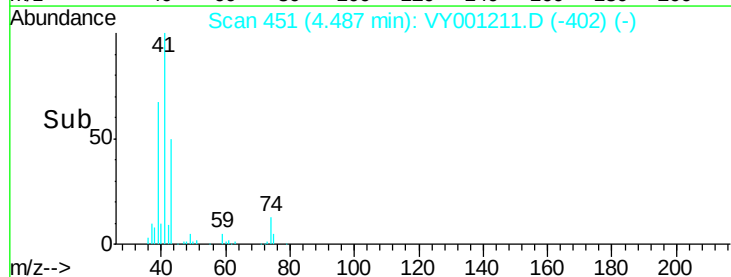
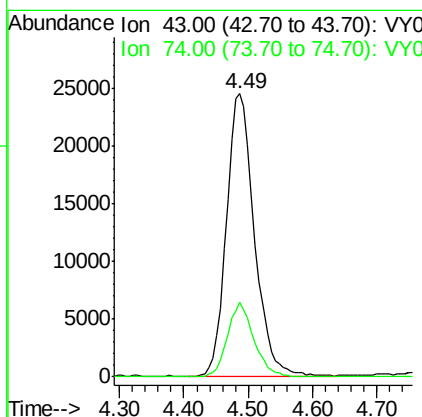
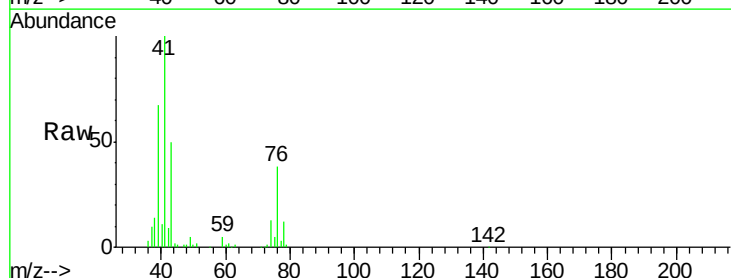
Manual Integrations
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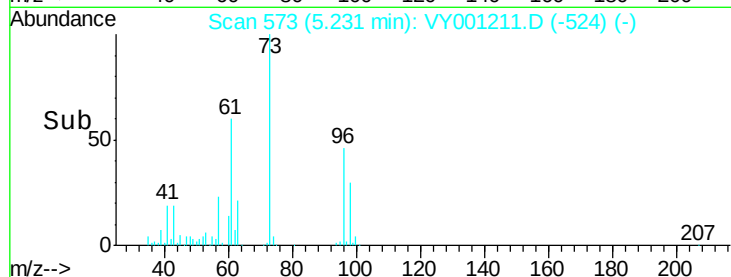
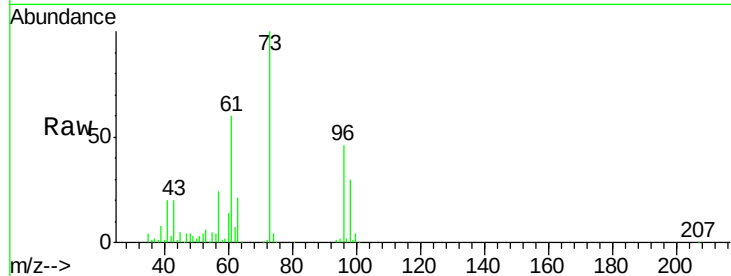
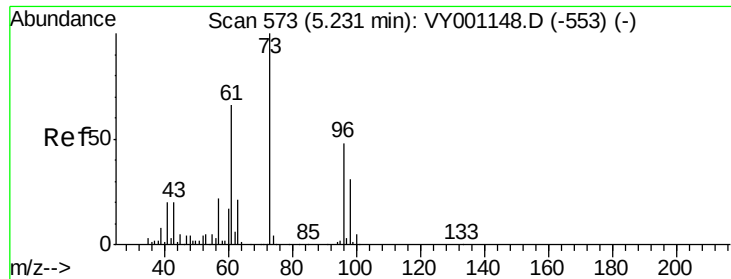
MMDadoda
1/16/2020 9:36:11 AM



#18
Methyl Acetate
Concen: 54.644 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	20.2	30.2





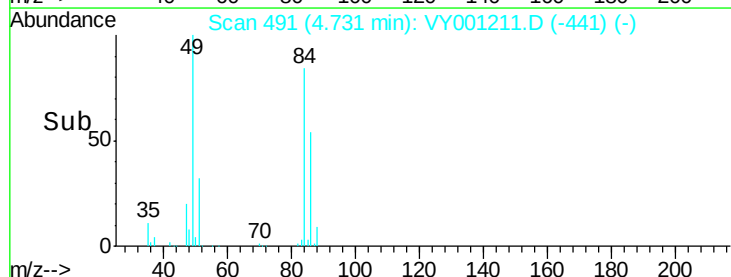
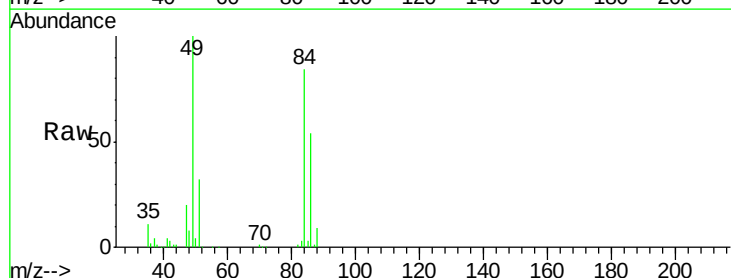
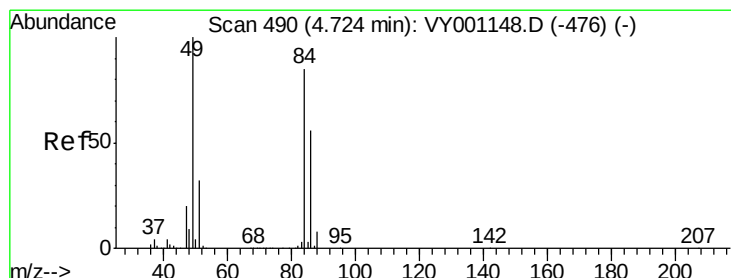
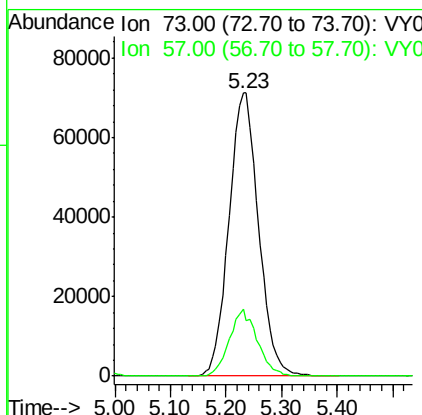
#19
Methyl tert-butyl Ether
Concen: 54.759 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tot Ion: 73 Resp: 262897
Ion Ratio Lower Upper
73 100
57 23.6 17.8 26.6

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

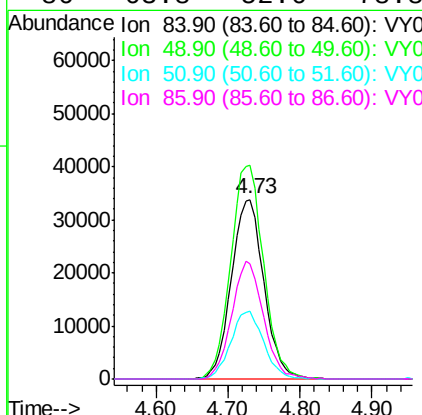
Manual Integrations
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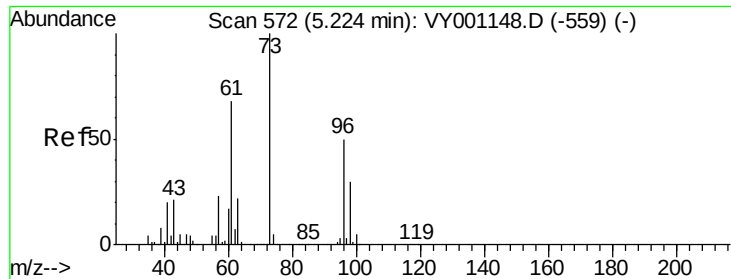
MMDadoda
1/16/2020 9:36:11 AM



#20
Methylene Chloride
Concen: 55.457 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion: 84 Resp: 106457
Ion Ratio Lower Upper
84 100
49 118.8 93.8 140.6
51 37.7 29.9 44.9
86 63.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 51.332 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

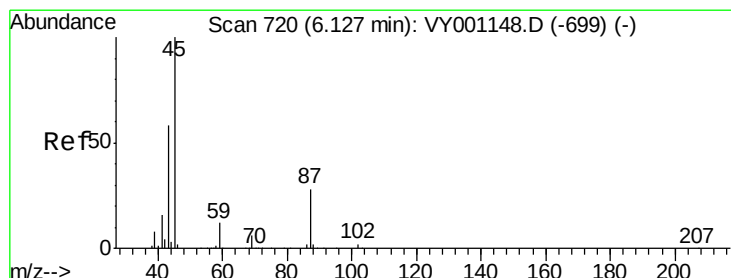
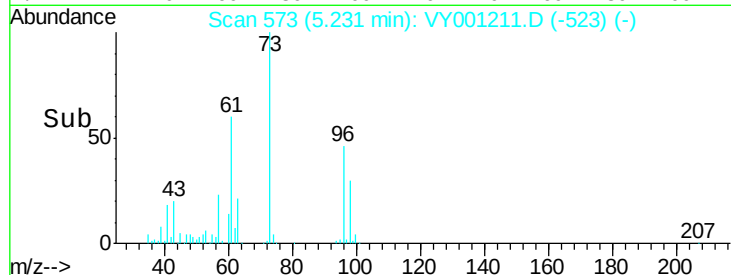
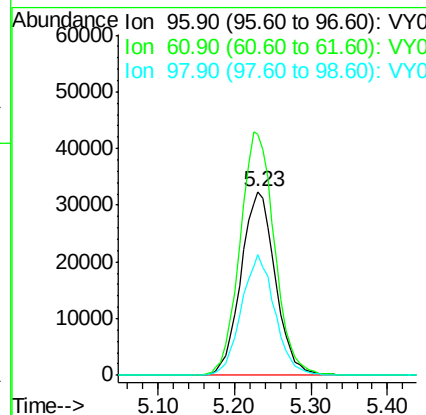
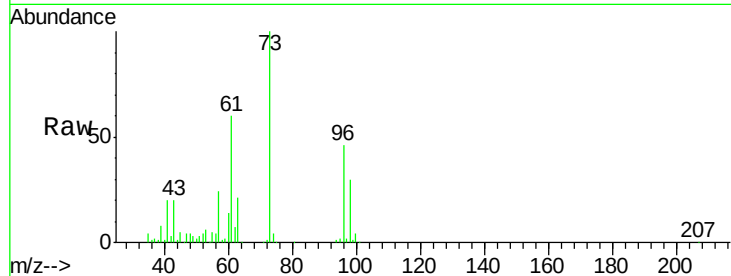
ClientSampleId :

BW-1-3.0MSD

Tot Ion:	96	Resp:	101023
Ion	Ratio	Lower	Upper
96	100		
61	131.1	107.6	161.4
98	65.5	47.6	71.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.353 ug/l

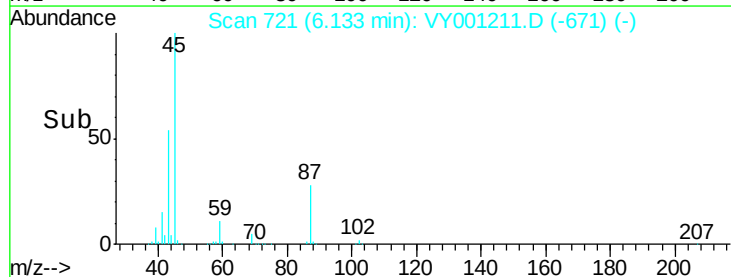
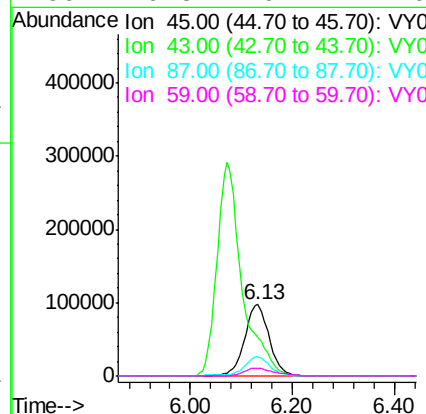
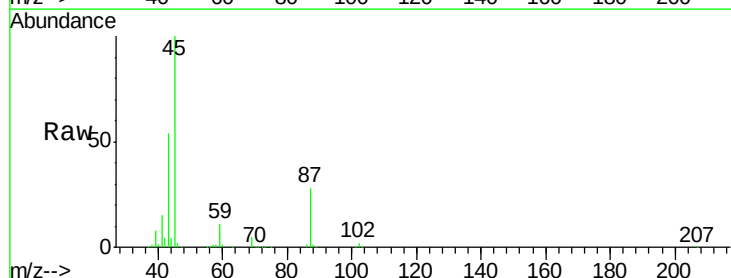
RT: 6.13 min Scan# 721

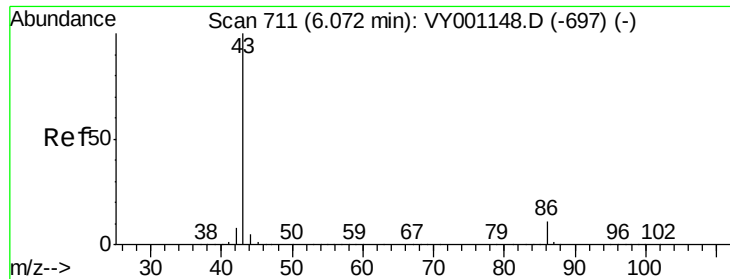
Delta R.T. 0.01 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Tgt Ion:	45	Resp:	325202
Ion	Ratio	Lower	Upper
45	100		
43	53.8	46.5	69.7
87	27.6	22.5	33.7
59	10.8	9.4	14.0





#23

Vinyl Acetate

Concen: 259.989 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion: 43 Resp: 994840

Ion Ratio Lower Upper

43 100

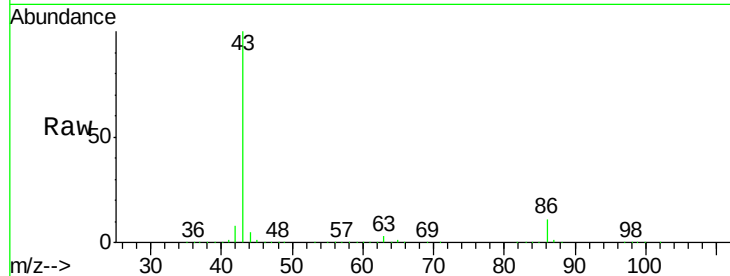
86 11.1 9.0 13.4

Manual Integrations

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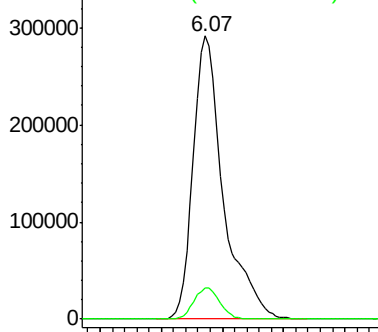
MMDadoda

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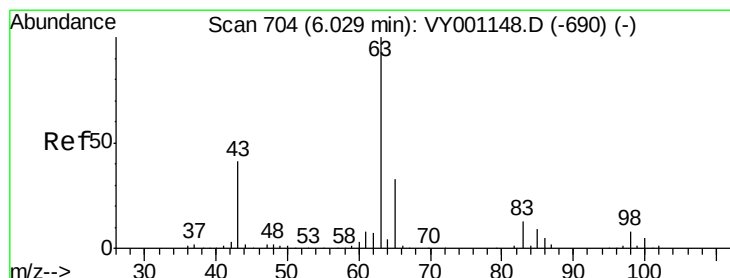
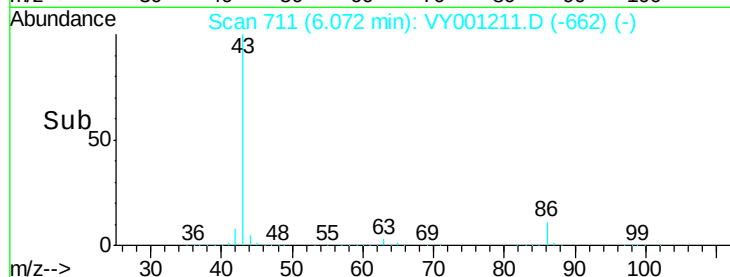


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 53.905 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

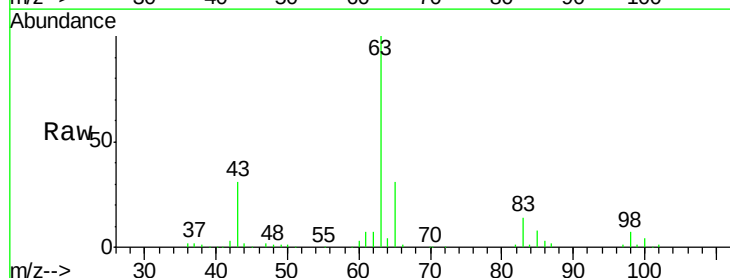
Tgt Ion: 63 Resp: 176568

Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

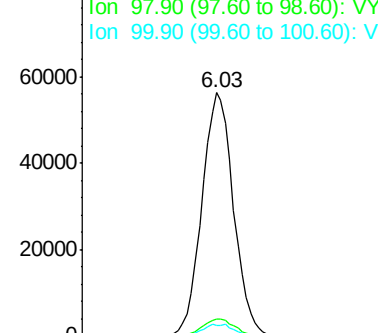
100 4.3 2.4 7.2



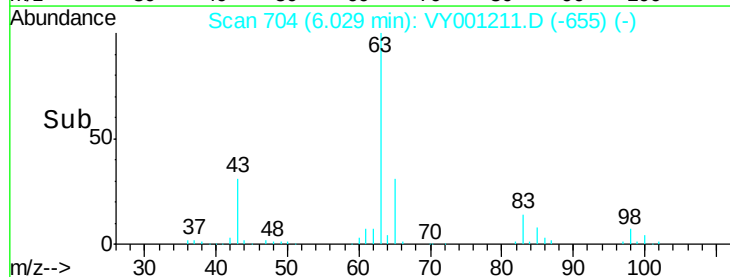
Abundance Ion 62.90 (62.60 to 63.60): VY0

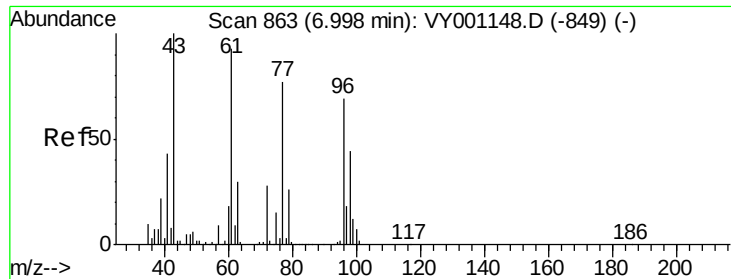
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 310.351 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion: 43 Resp: 201152

Ion Ratio Lower Upper

43 100

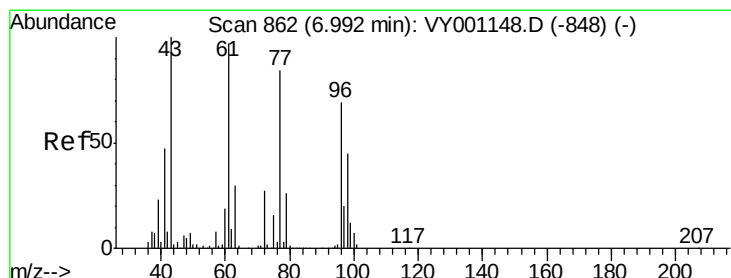
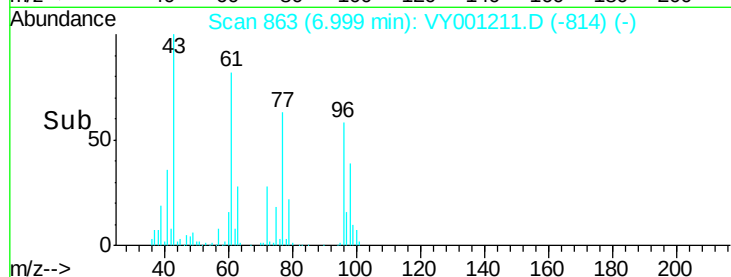
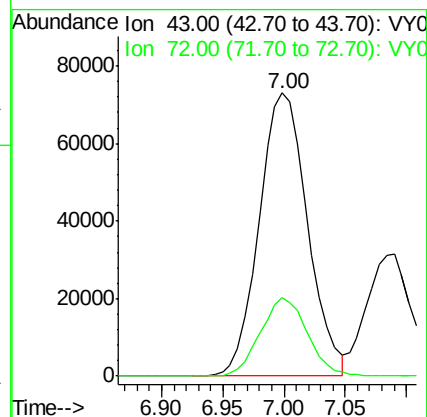
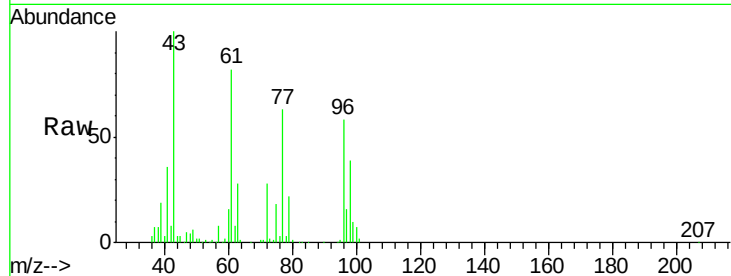
72 27.6 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.120 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001211.D

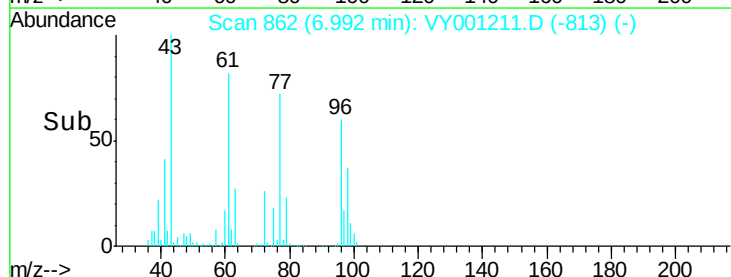
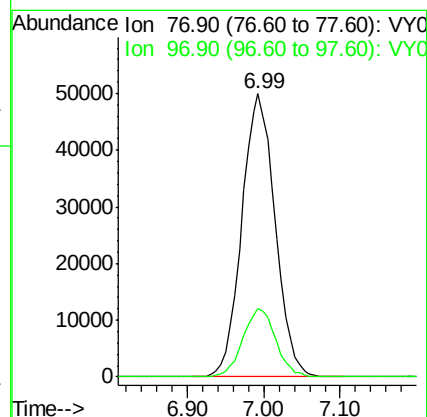
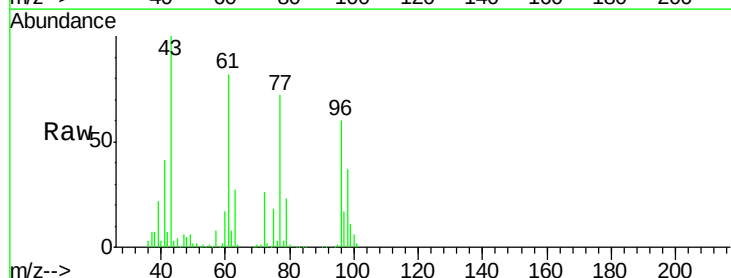
Acq: 15 Jan 2020 12:43

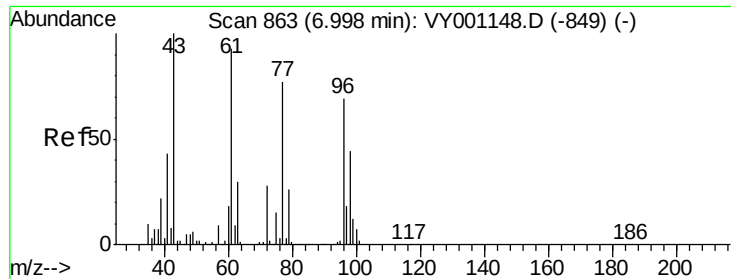
Tgt Ion: 77 Resp: 150967

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.7





#27

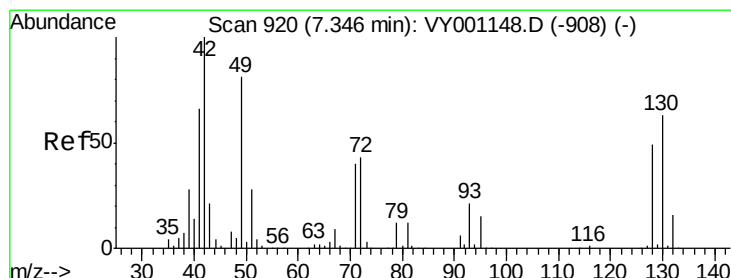
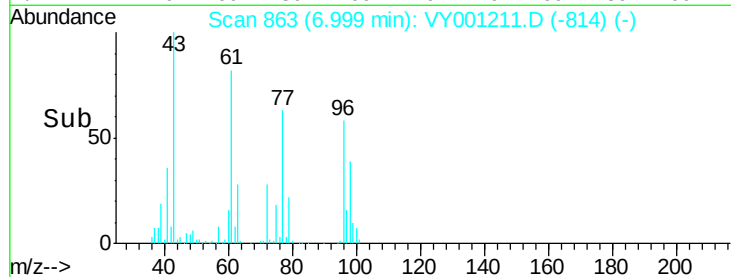
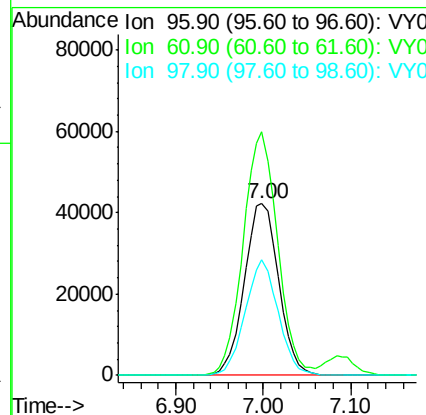
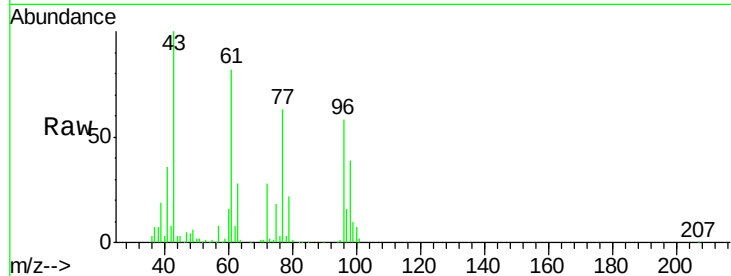
cis-1,2-Dichloroethene
Concen: 53.573 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.1	0.0	284.0	
98	64.5	0.0	130.2	

Manual Integrations
APPROVED

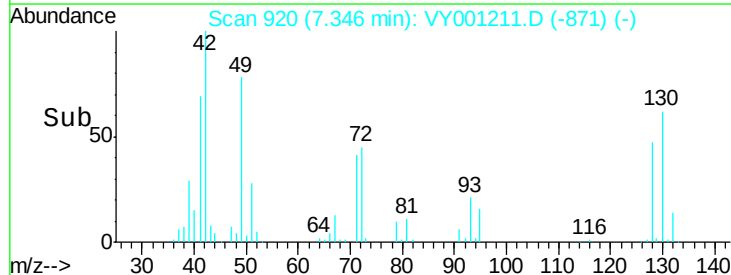
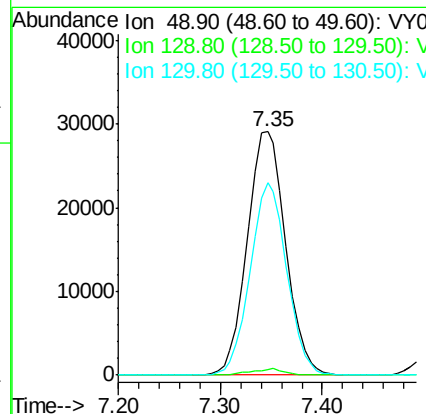
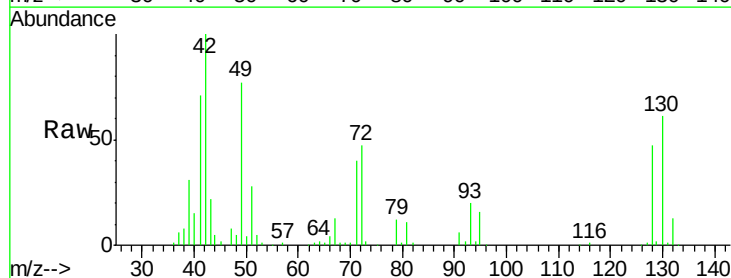
MMDadoda
1/16/2020 9:36:11 AM

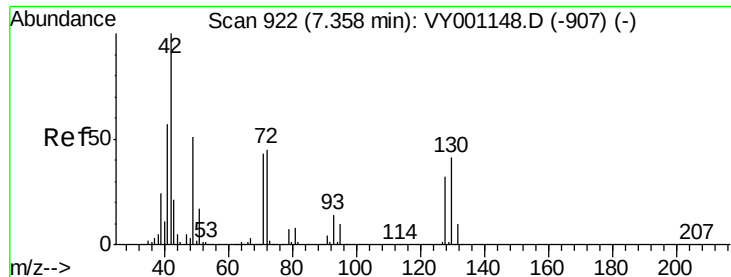


#28

Bromochloromethane
Concen: 56.467 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.4	
130	75.5	61.2	91.8	





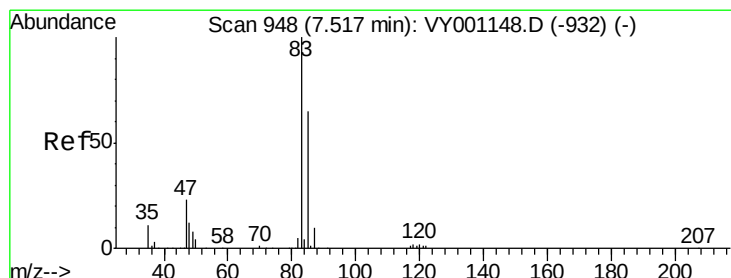
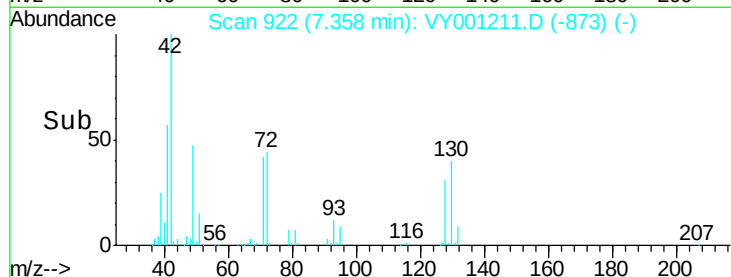
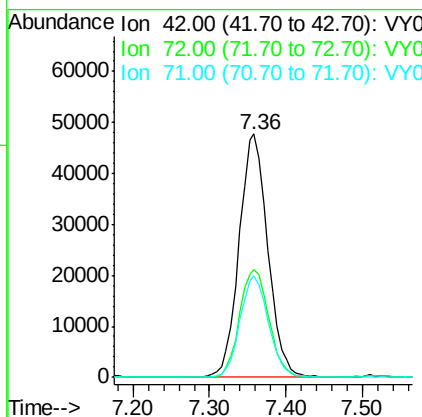
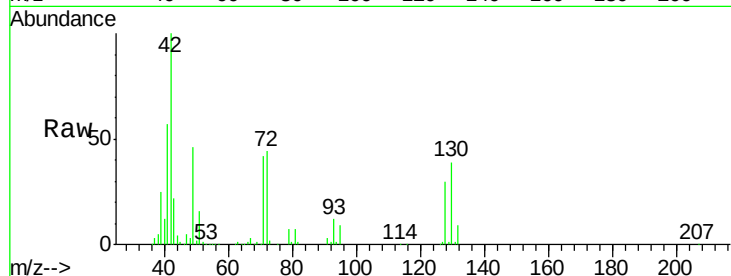
#29
Tetrahydrofuran
Concen: 280.476 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.9	55.3
71	41.4	34.0	51.0

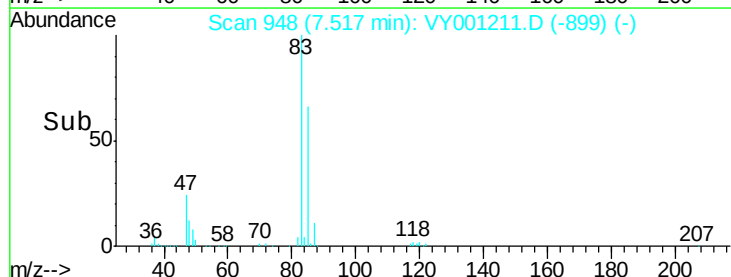
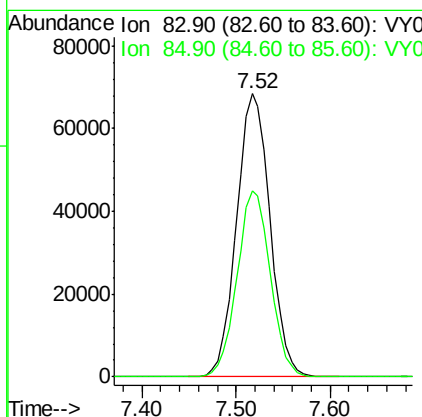
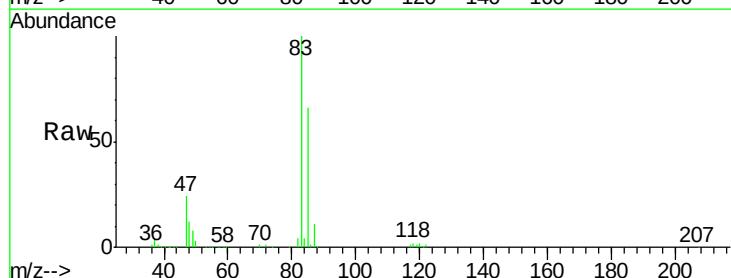
Manual Integrations
APPROVED

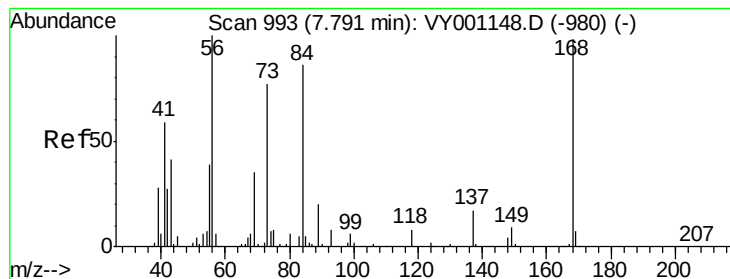
MMDadoda
1/16/2020 9:36:11 AM



#30
Chloroform
Concen: 52.778 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.9	77.9





#31

Cyclohexane

Concen: 44.284 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion: 56 Resp: 153581

Ion Ratio Lower Upper

56 100

69 34.1 27.8 41.8

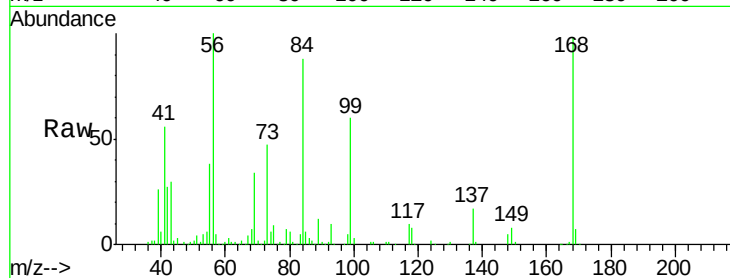
84 86.7 68.9 103.3

Manual Integrations

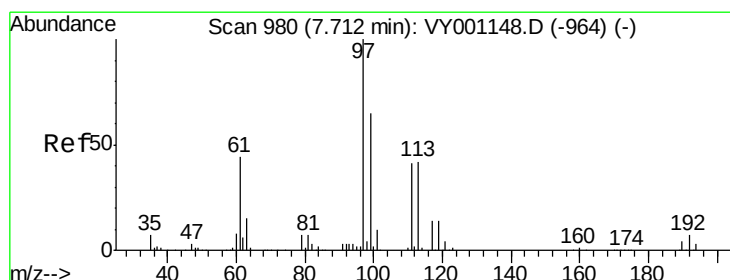
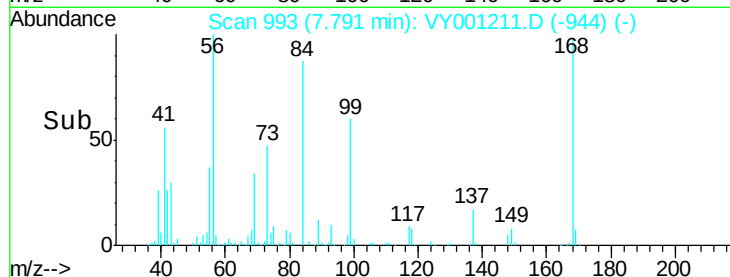
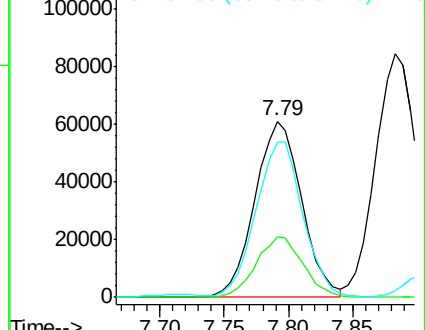
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 51.074 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

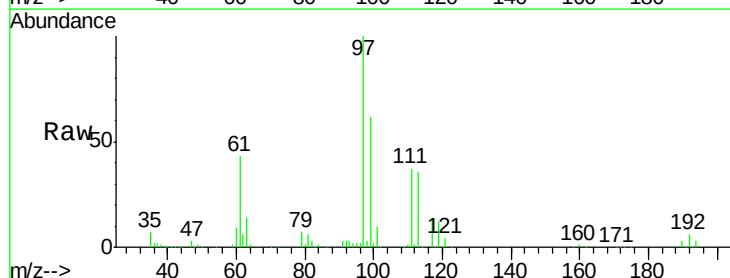
Tgt Ion: 97 Resp: 145442

Ion Ratio Lower Upper

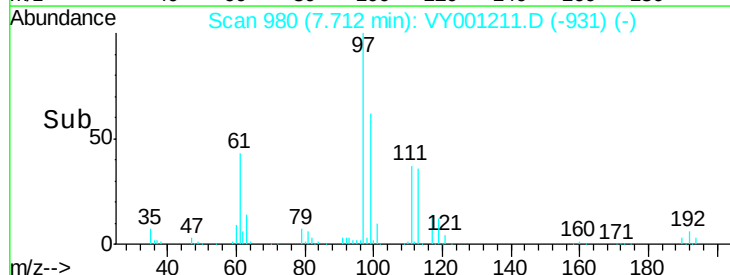
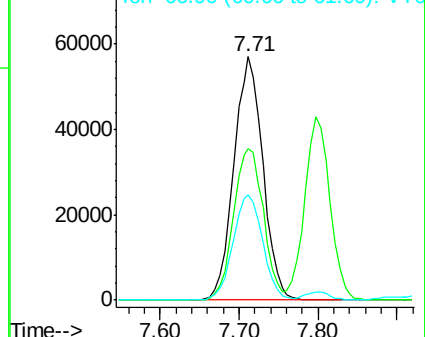
97 100

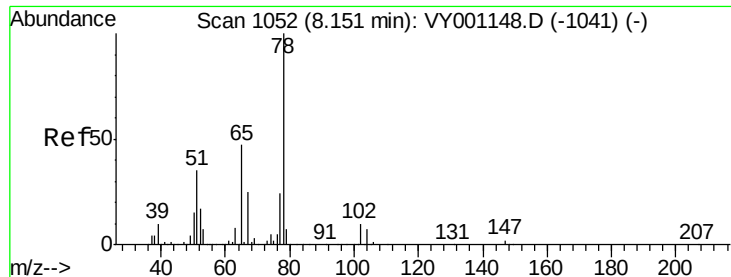
99 64.1 51.3 76.9

61 44.1 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





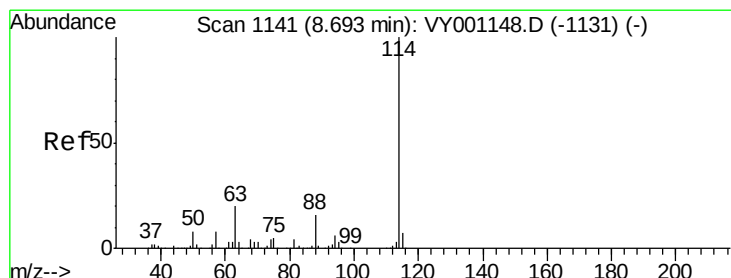
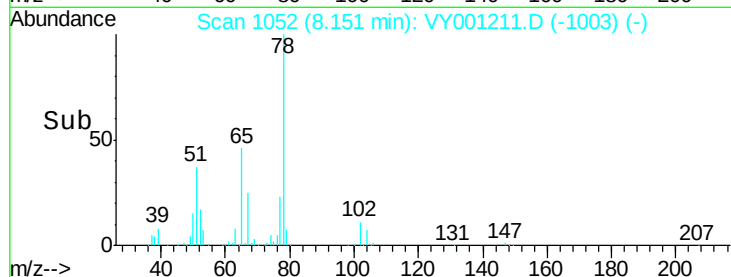
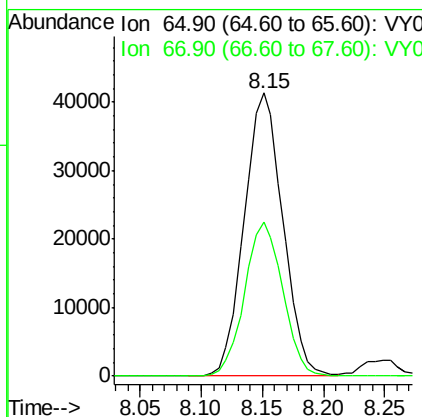
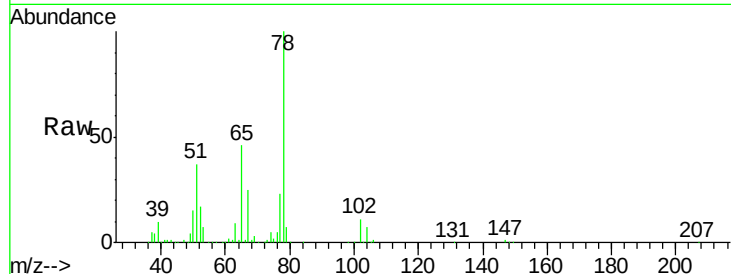
#33
 1,2-Dichloroethane-d4
 Concen: 50.711 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.2

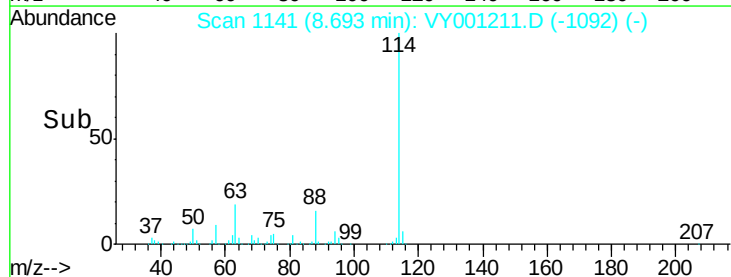
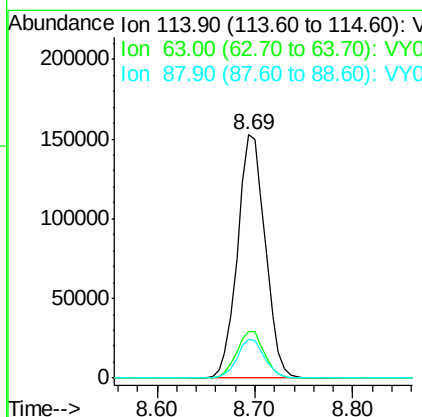
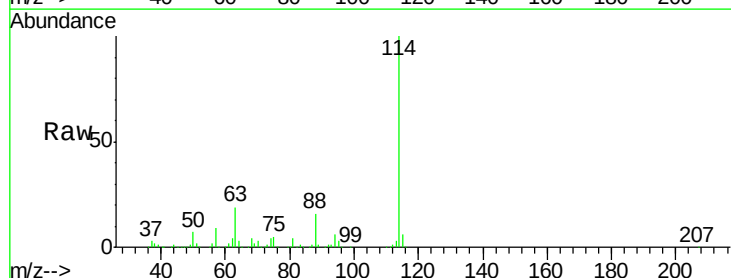
Manual Integrations
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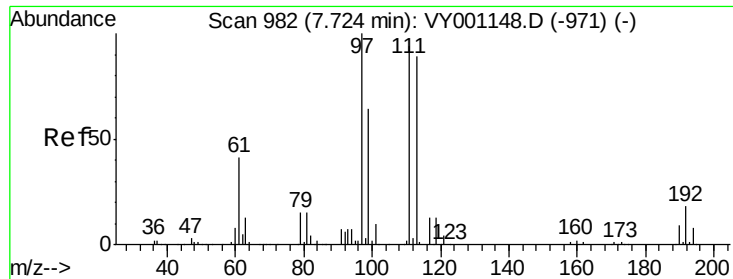
MMDadoda
 1/16/2020 9:36:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.8
88	15.8	0.0	32.4





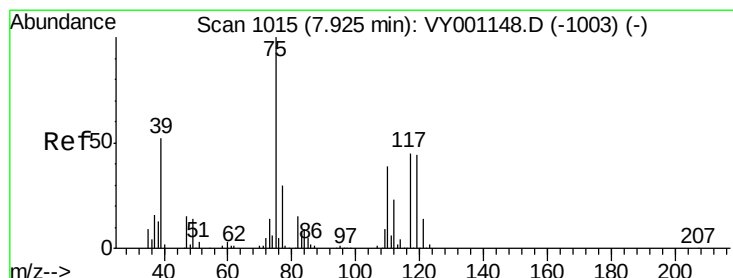
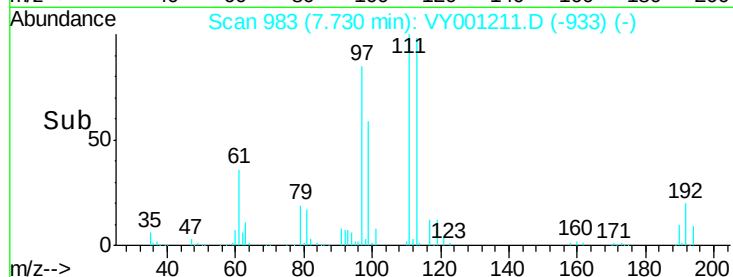
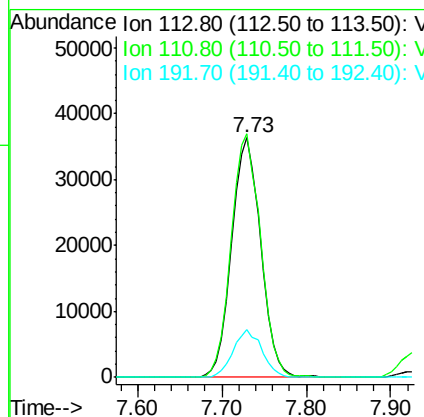
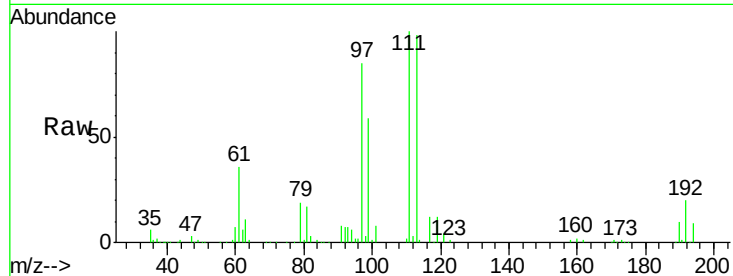
#35
 Dibromofluoromethane
 Concen: 48.486 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.6	15.4	23.2

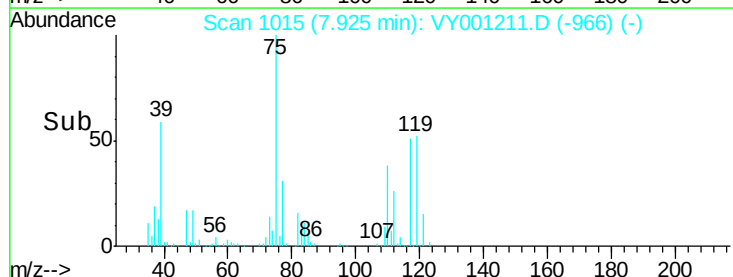
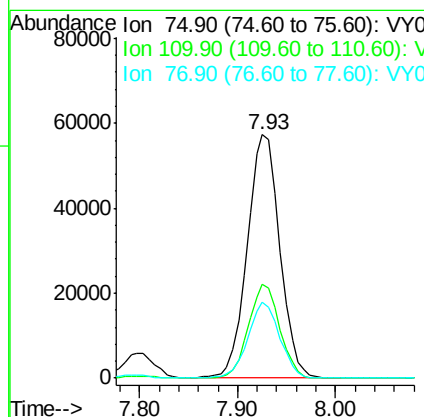
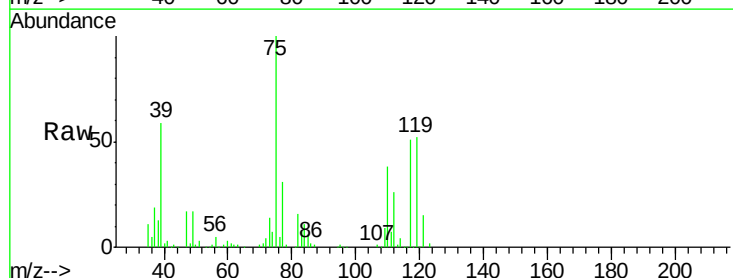
Manual Integrations
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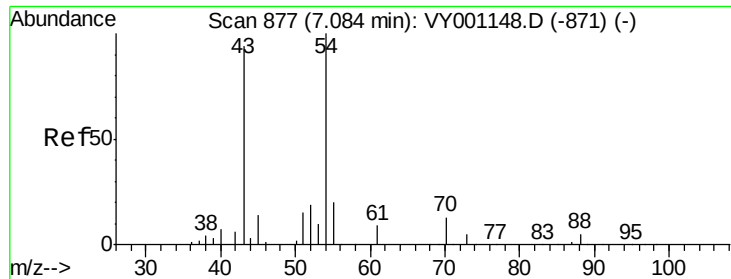
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#36
 1,1-Dichloropropene
 Concen: 48.417 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.3	54.8
77	30.7	25.1	37.7





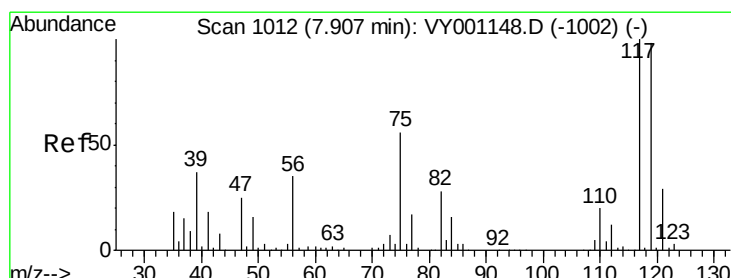
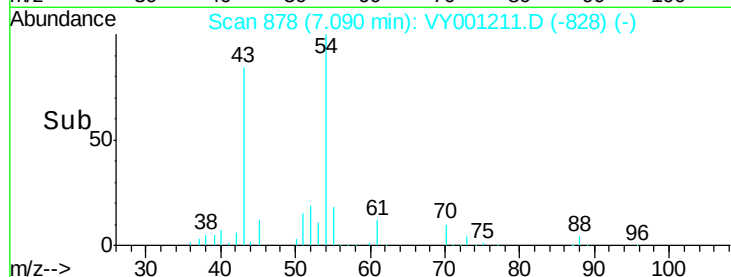
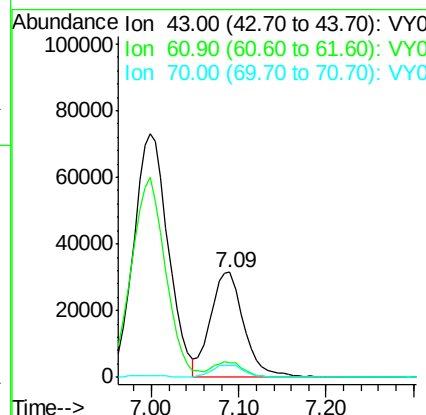
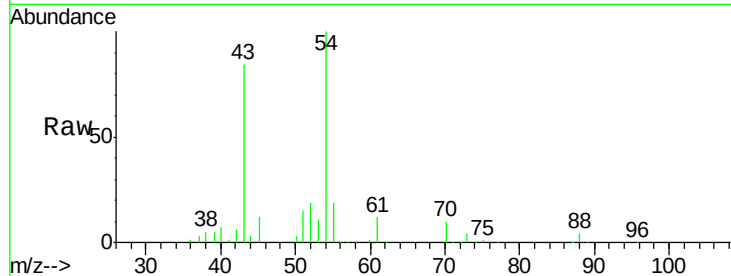
#37
Ethyl Acetate
Concen: 52.284 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.1	16.7
70	11.7	9.7	14.5

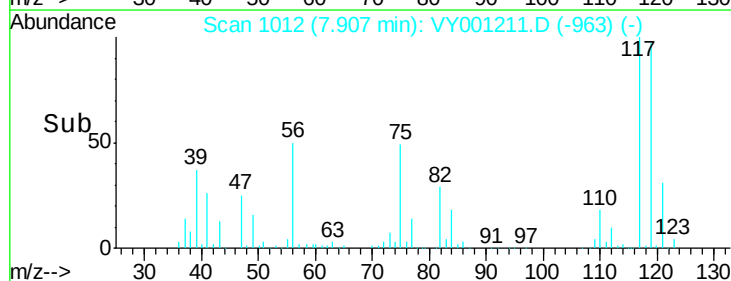
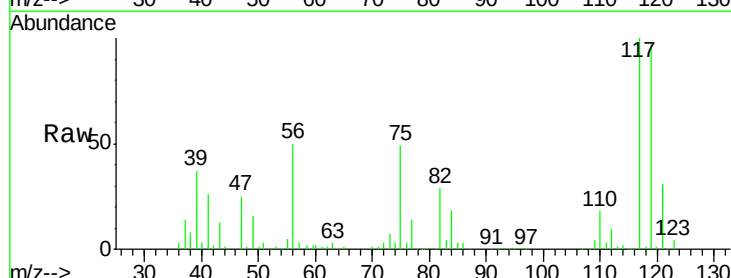
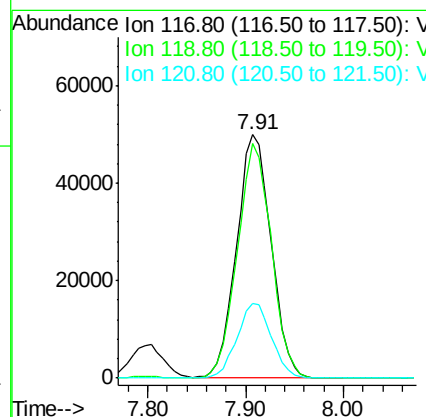
Manual Integrations
APPROVED

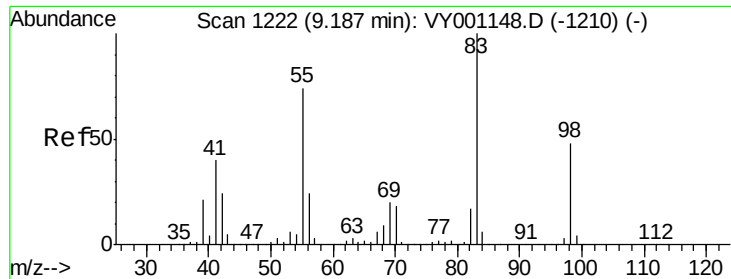
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.061 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.3	117.5
121	30.6	23.5	35.3





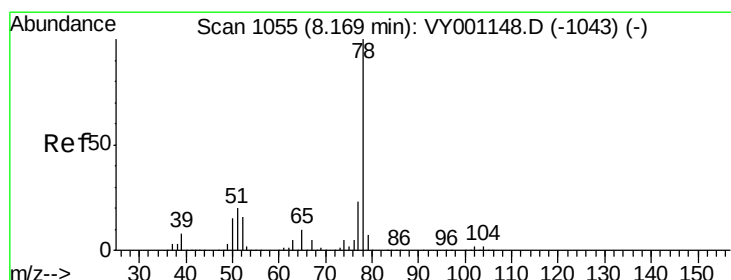
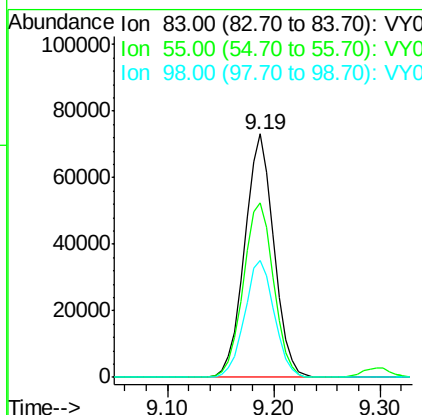
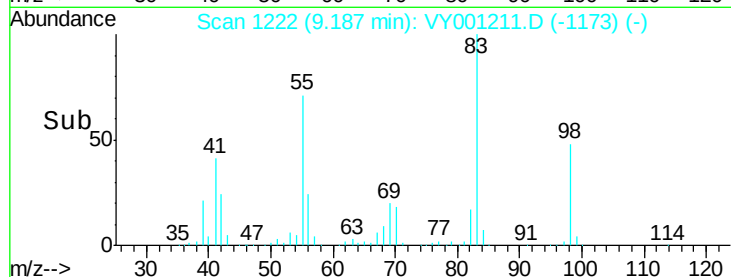
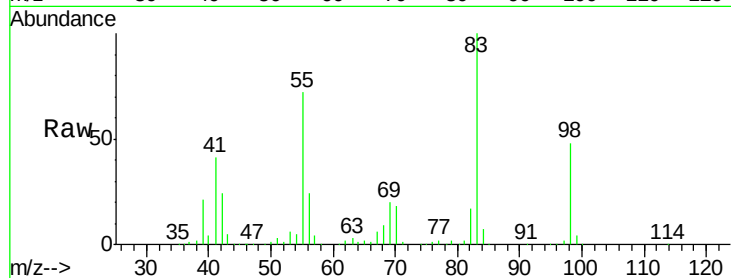
#39
Methylvlcyclohexane
Concen: 38.067 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion:	83	Resp:	140838
Ion	Ratio	Lower	Upper
83	100		
55	71.6	58.9	88.3
98	48.0	38.4	57.6

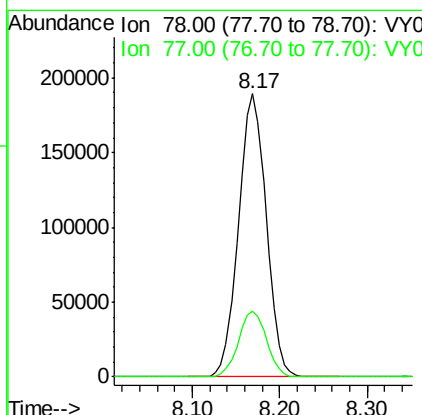
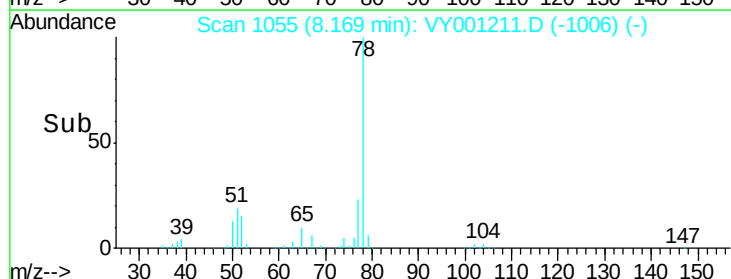
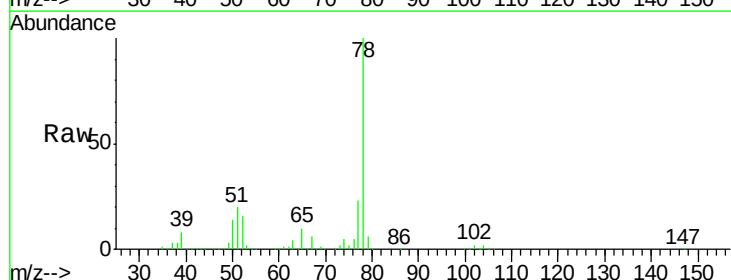
Manual Integrations
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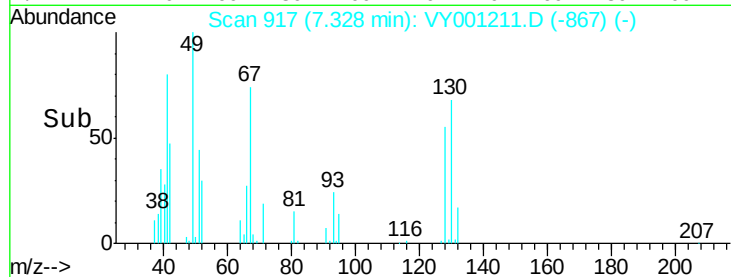
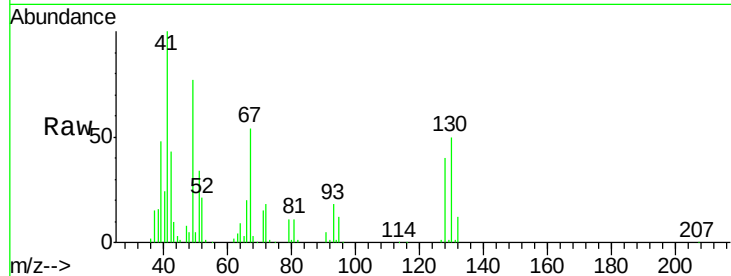
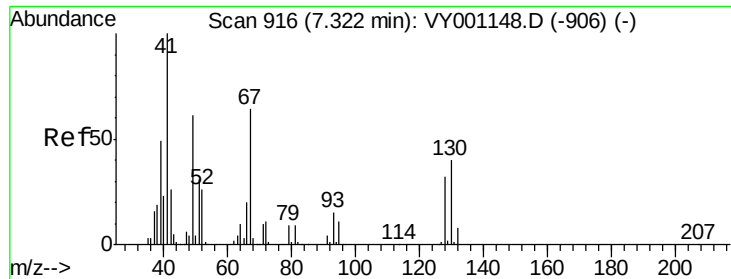
MMDadoda
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#40
Benzene
Concen: 52.251 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion:	78	Resp:	416230
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 52.583 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Tot Ion:	41	Resp:	39559
Ion	Ratio	Lower	Upper
41	100		
39	135.7	103.5	155.3
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

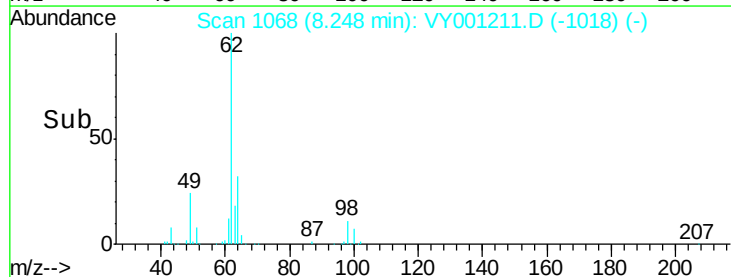
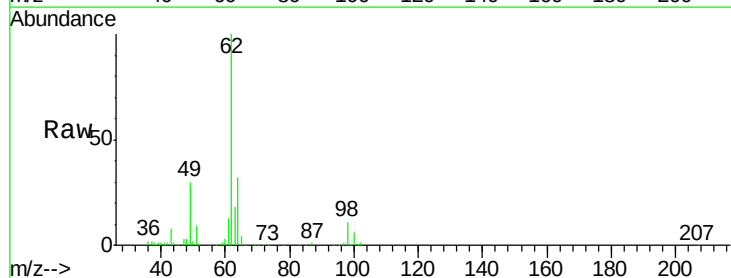
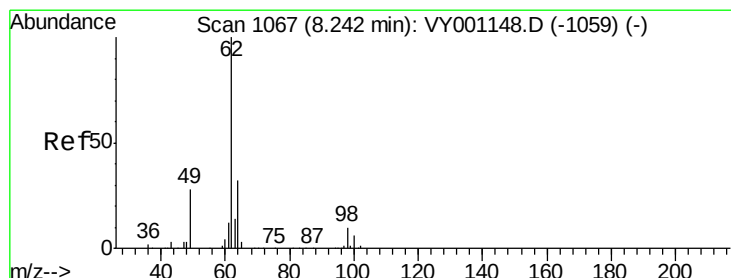
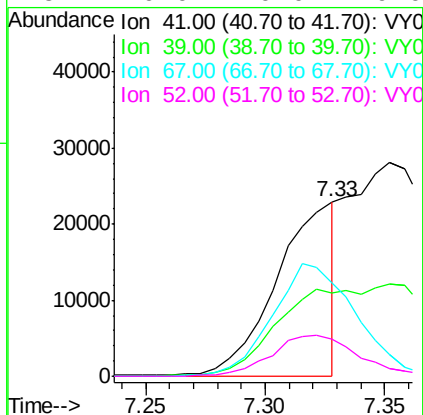
MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.969 ug/l

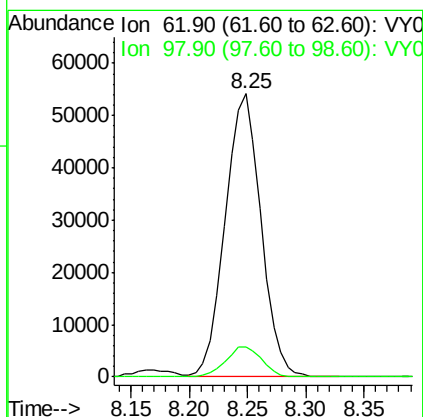
RT: 8.25 min Scan# 1068

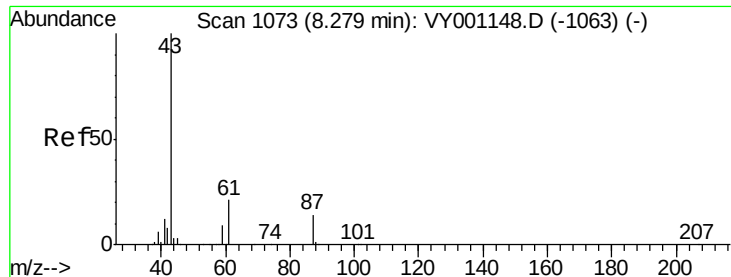
Delta R.T. 0.01 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Tgt Ion:	62	Resp:	115921
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.4





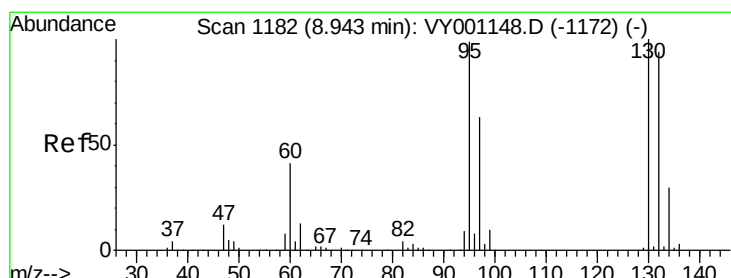
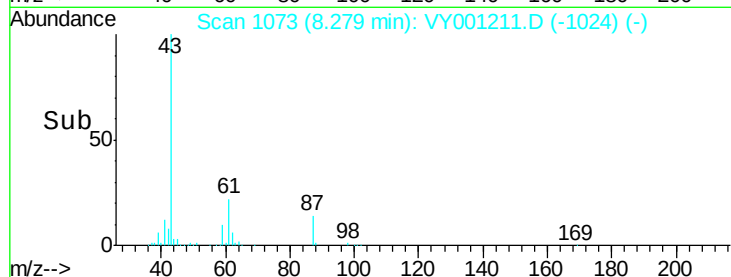
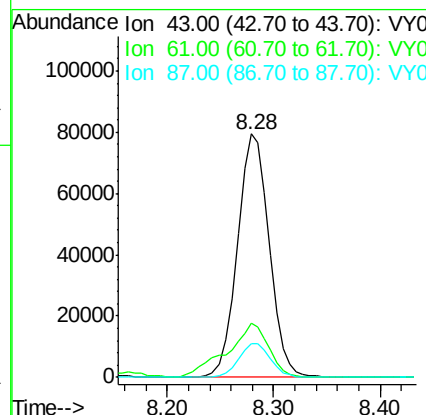
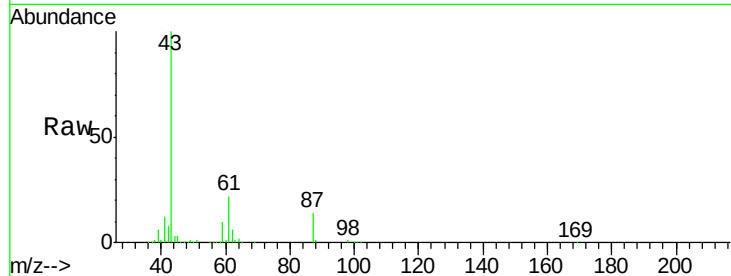
#43
Isopropyl Acetate
Concen: 54.018 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.9	35.9
87	14.0	11.4	17.2

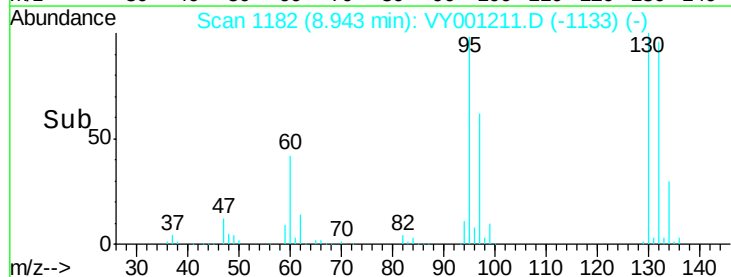
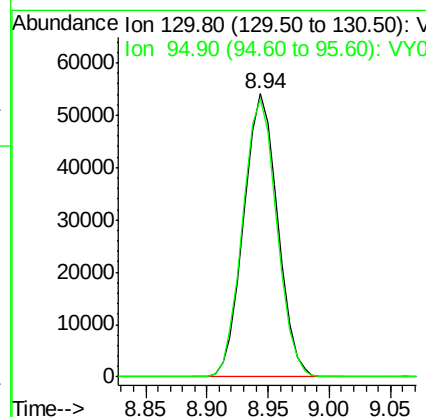
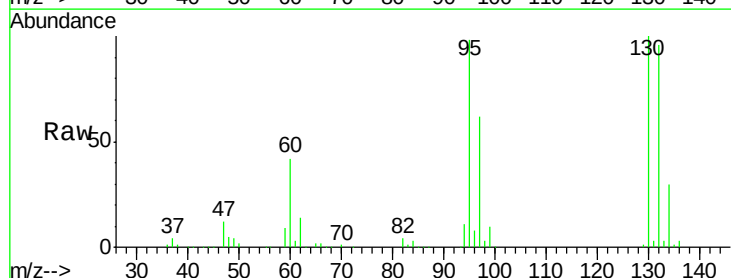
Manual Integrations
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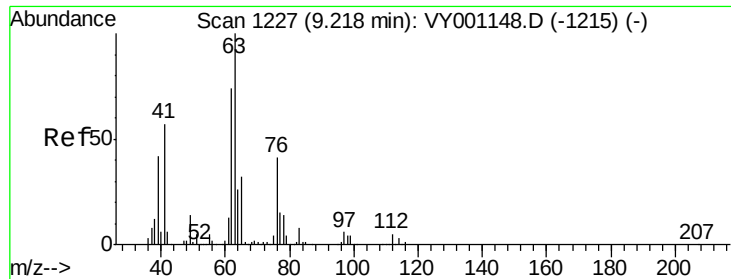
MMDadoda
1/16/2020 9:36:11 AM



#44
Trichloroethene
Concen: 50.382 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	197.6





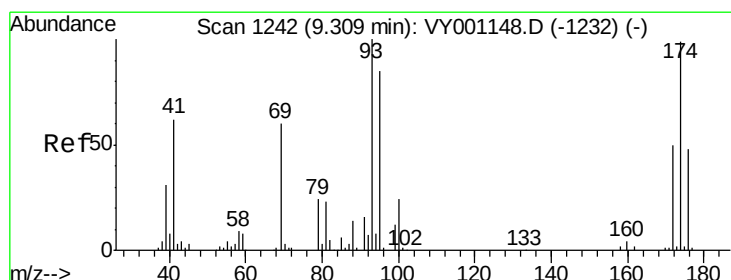
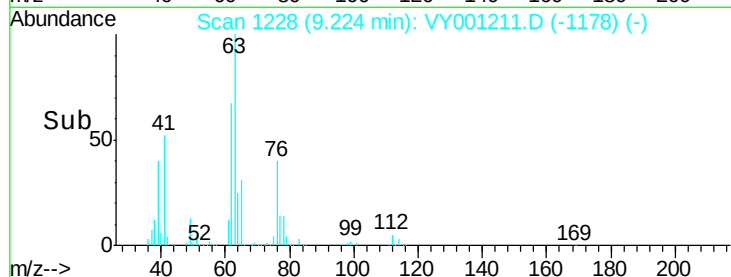
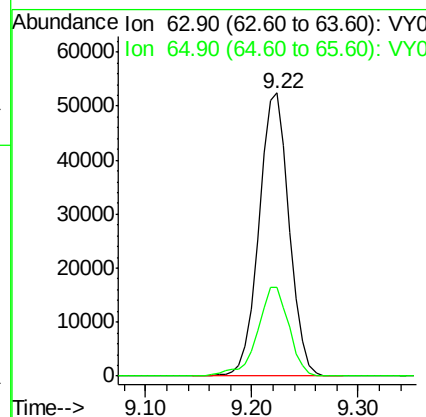
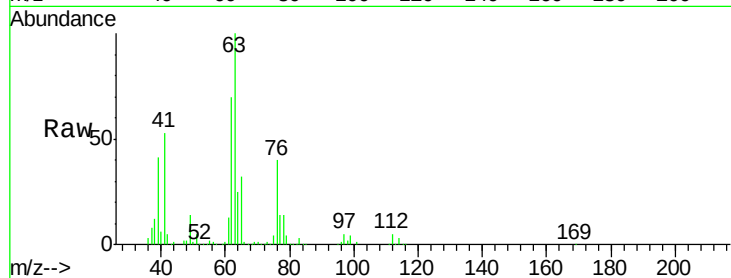
#45
 1,2-Dichloropropane
 Concen: 52.865 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.8	38.8

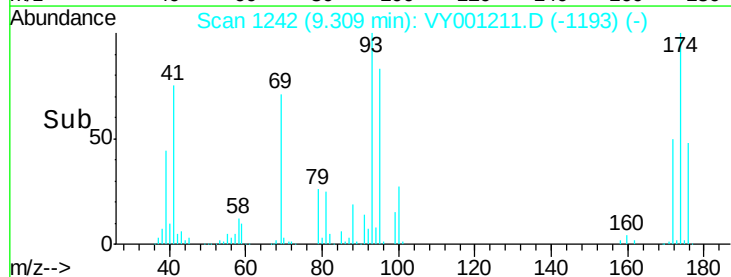
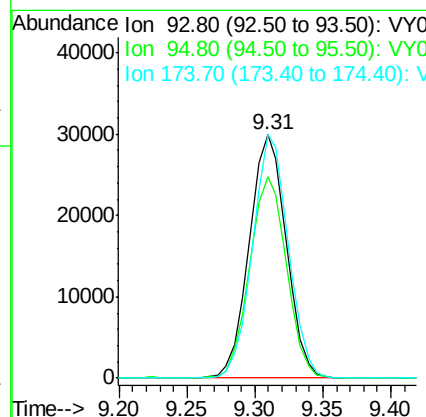
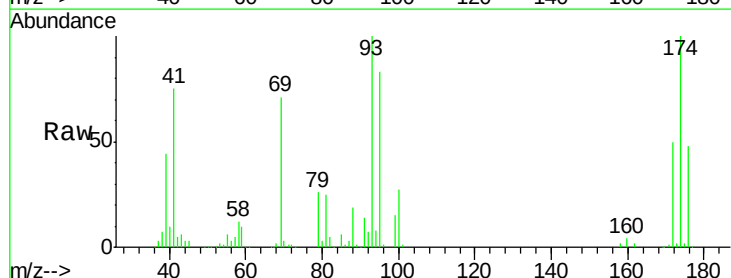
Manual Integrations
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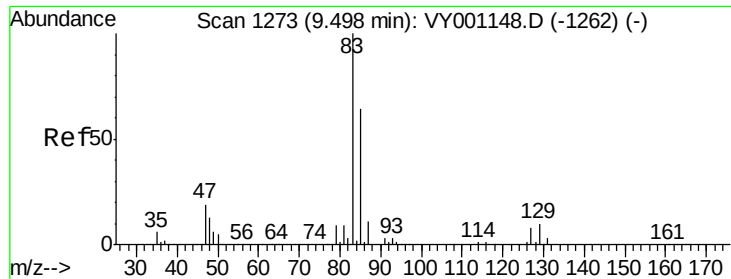
MMDadoda
 1/16/2020 9:36:11 AM



#46
 Dibromomethane
 Concen: 53.127 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.8	100.2
174	96.7	78.4	117.6





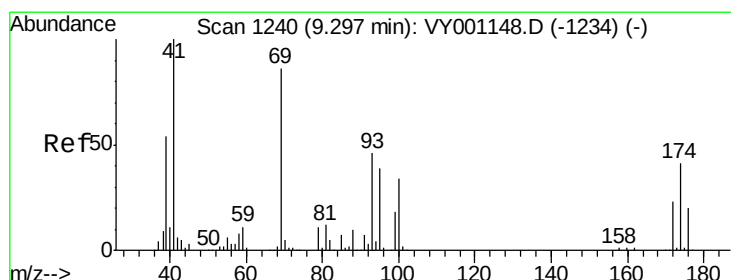
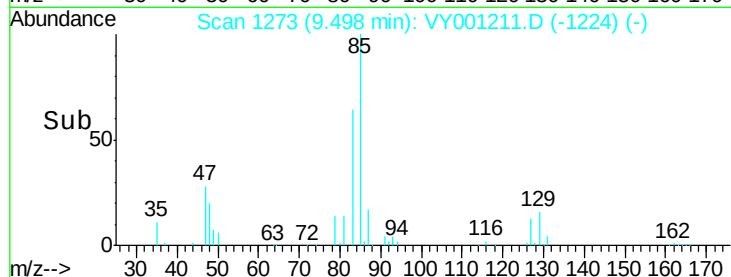
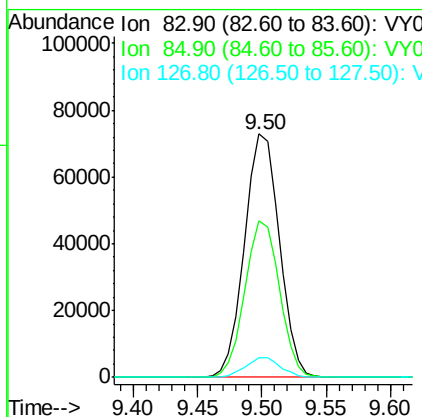
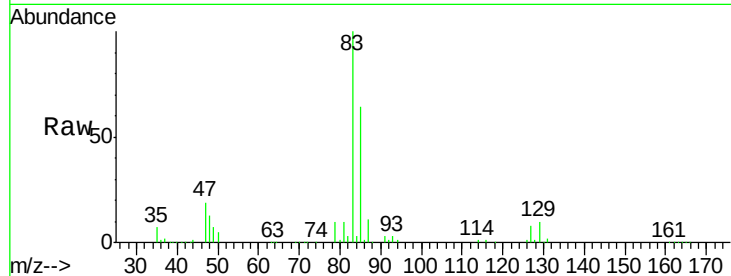
#47
Bromodichloromethane
Concen: 52.146 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	136555		
85	64.3		51.5	77.3
127	8.0		6.3	9.5

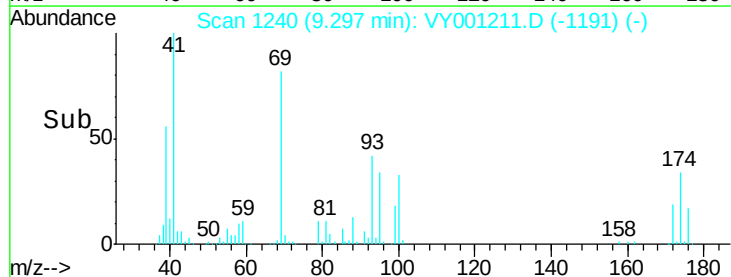
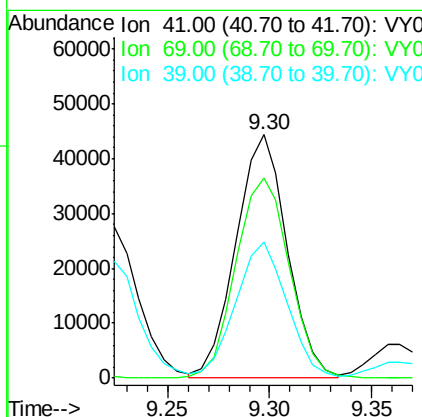
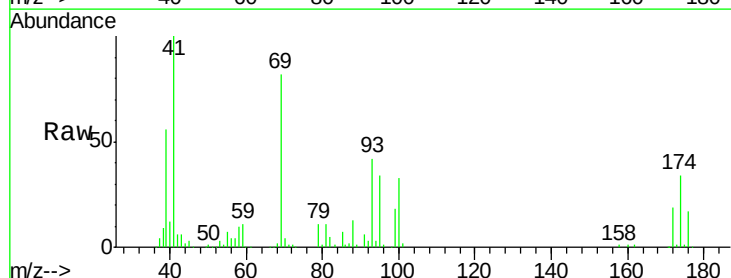
Manual Integrations
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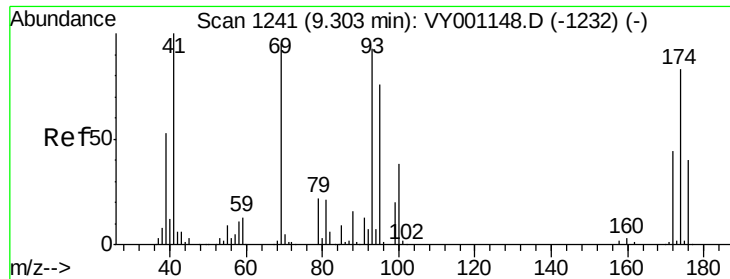
MMDadoda
1/16/2020 9:36:11 AM



#48
Methyl methacrylate
Concen: 54.304 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	76959		
69	86.5		69.8	104.8
39	56.5		45.2	67.8





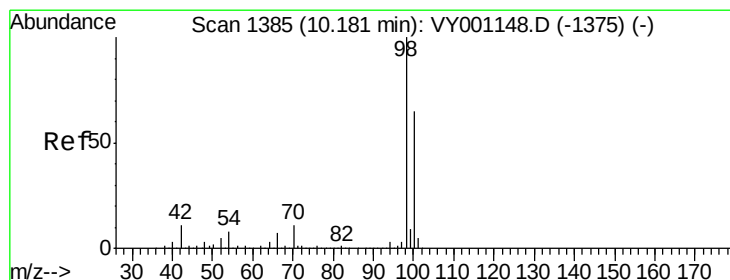
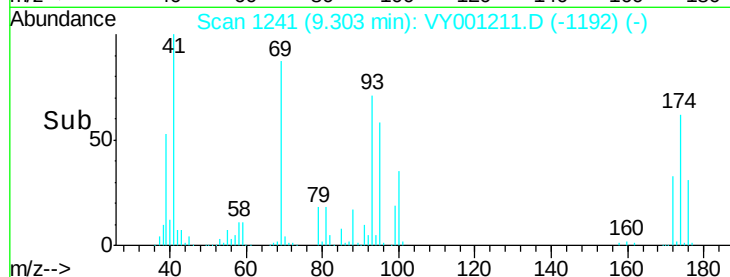
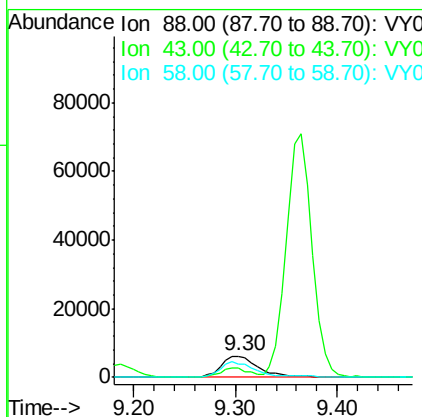
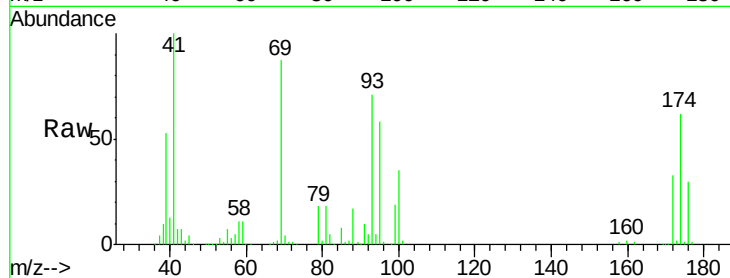
#49
 1,4-Dioxane
 Concen: 1231.041 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	88	Resp	16109
Ion	Ratio	Lower	Upper
88	100		
43	31.7	22.4	33.6
58	71.9	58.0	87.0

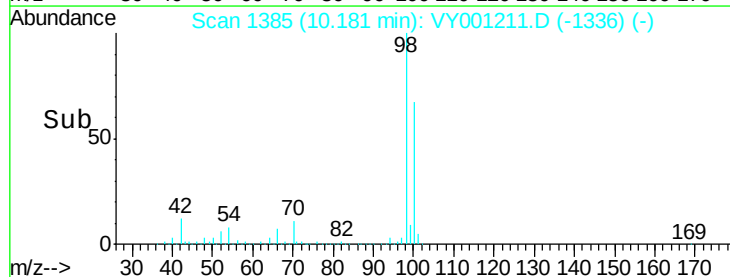
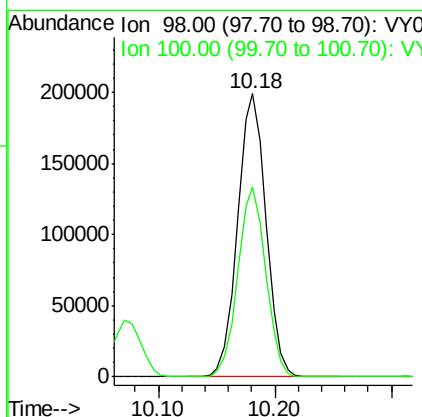
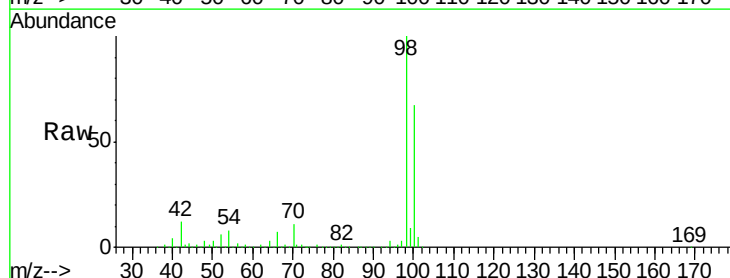
Manual Integrations
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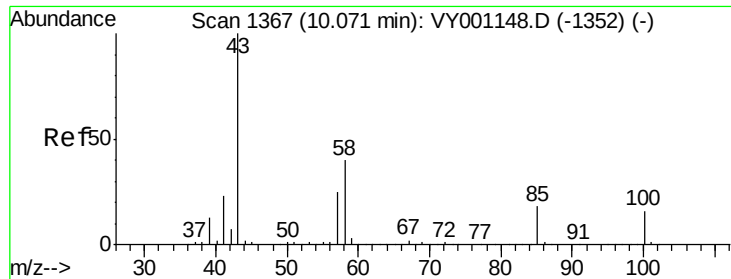
MMDadoda
 1/16/2020 9:36:11 AM



#50
 Toluene-d8
 Concen: 49.936 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	98	Resp	337309
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.1	79.7





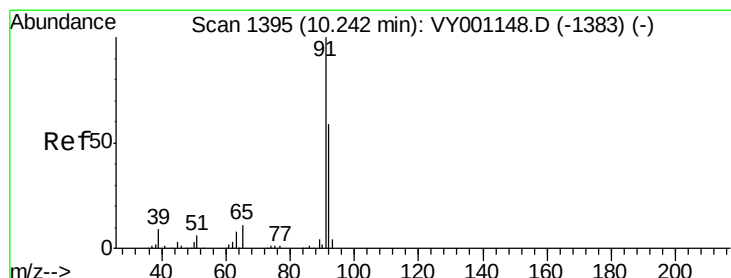
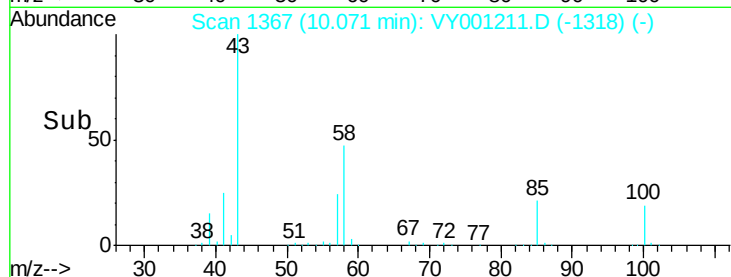
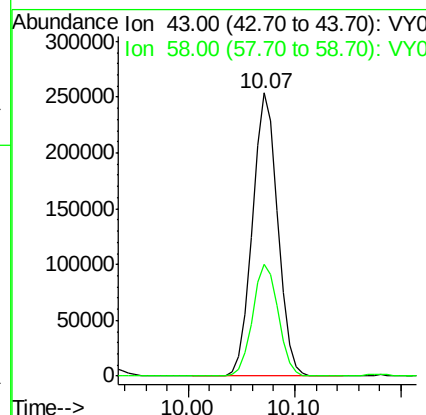
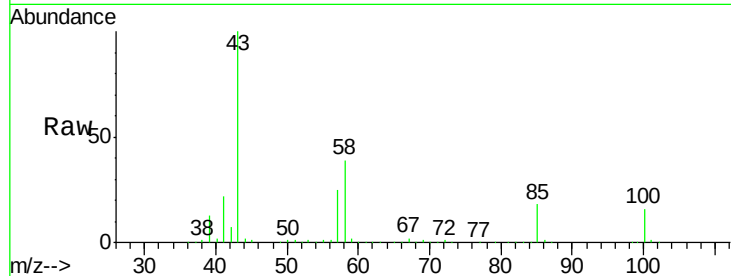
#51
4-Methyl-2-Pentanone
Concen: 272.161 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.3	48.5

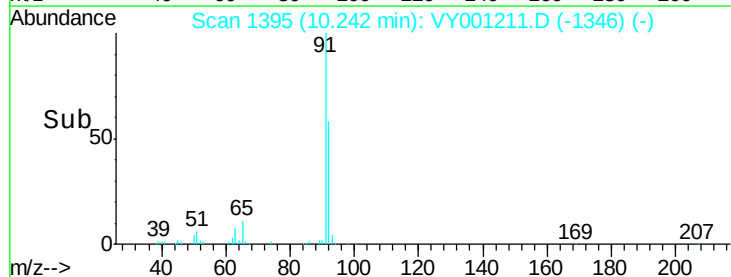
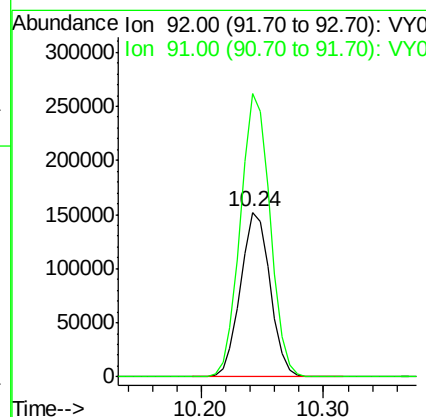
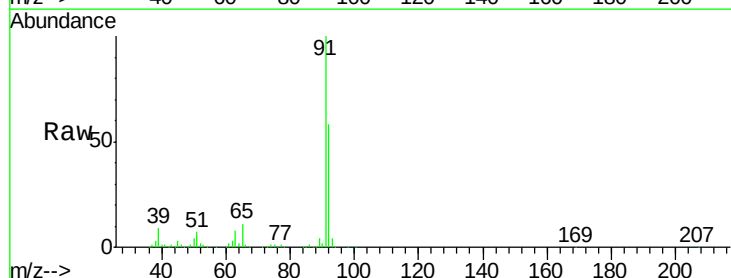
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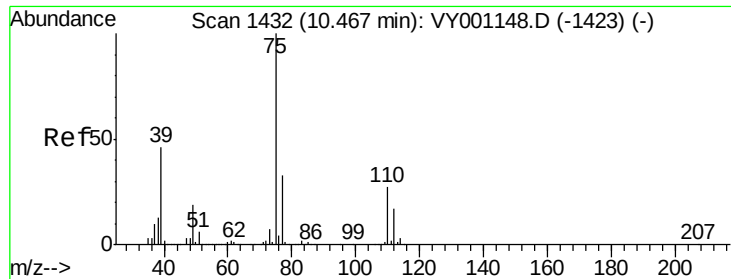
MMDadoda
1/16/2020 9:36:11 AM



#52
Toluene
Concen: 50.178 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.6	204.8





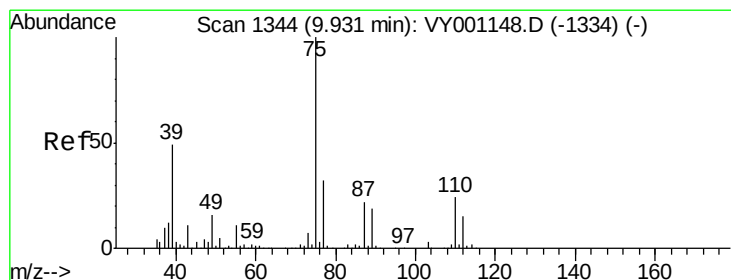
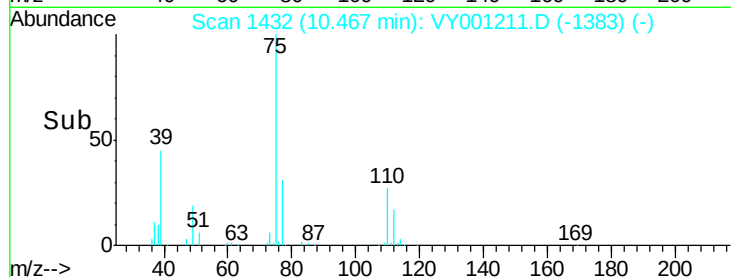
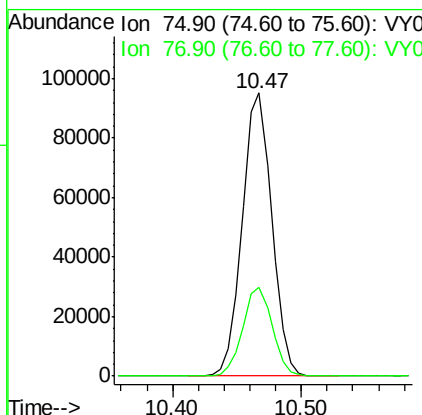
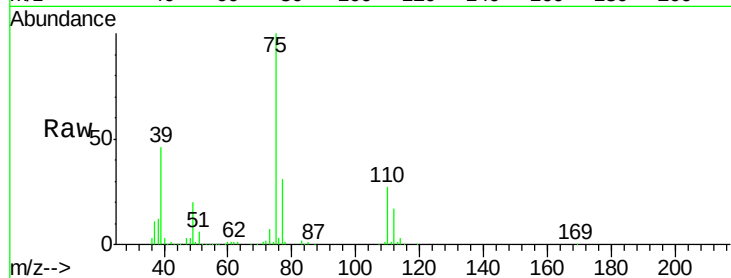
#53
 t-1,3-Dichloropropene
 Concen: 51.328 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.2	39.2

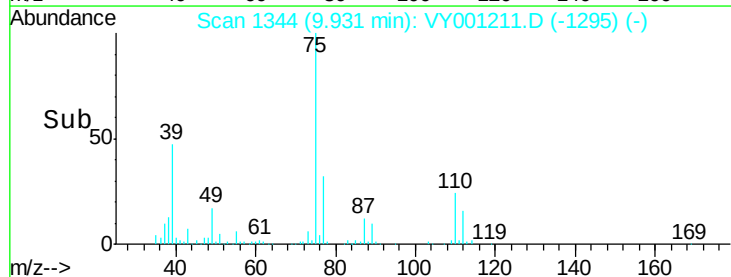
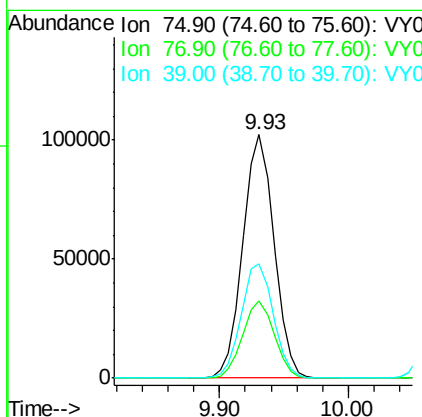
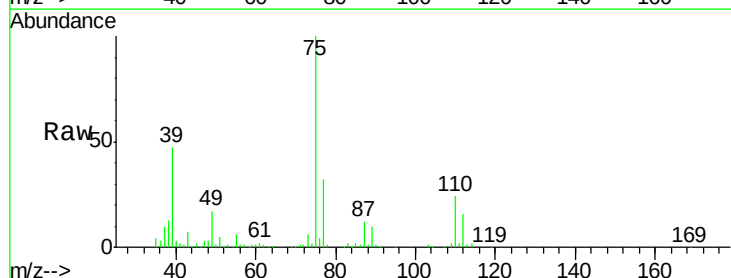
Manual Integrations
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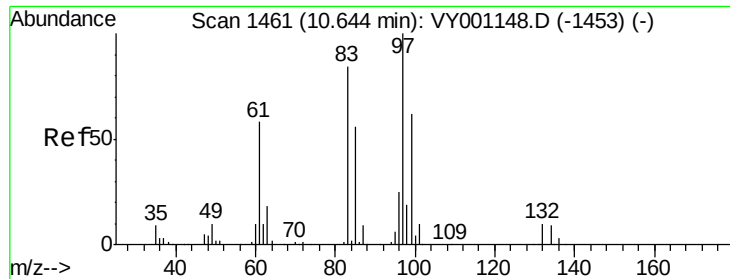
MMDadoda
 1/16/2020 9:36:11 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.824 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	47.2	39.1	58.7





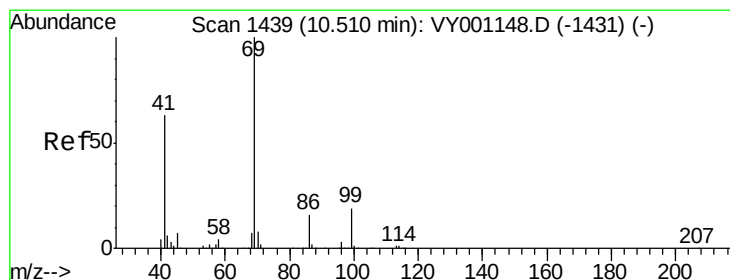
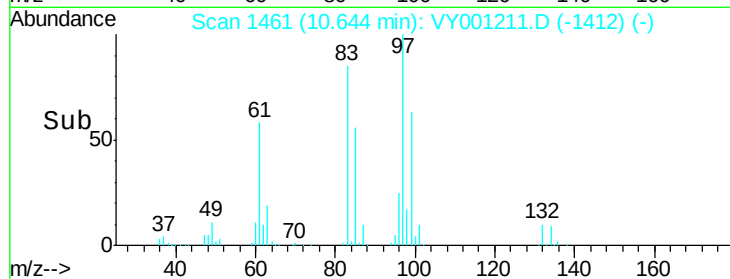
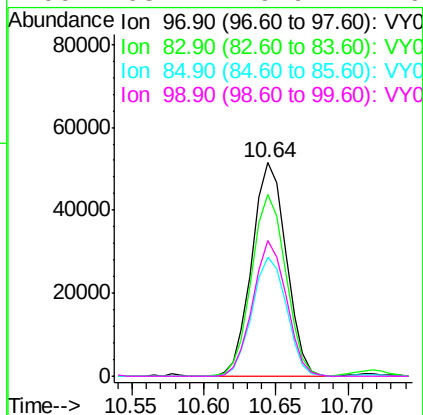
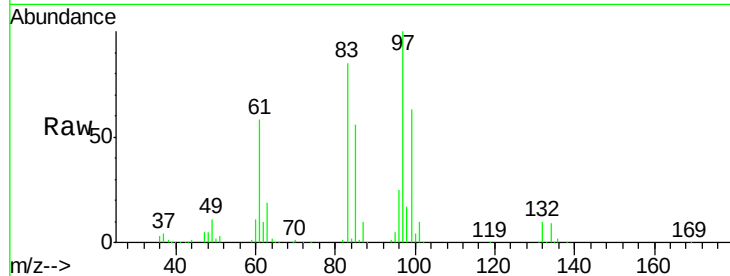
#55
 1,1,2-Trichloroethane
 Concen: 53.460 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.1	67.2	100.8
85	55.9	44.9	67.3
99	63.2	49.9	74.9

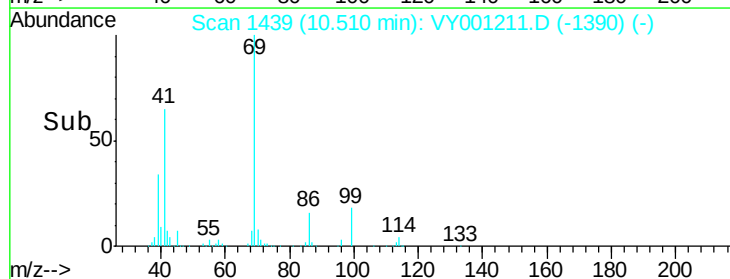
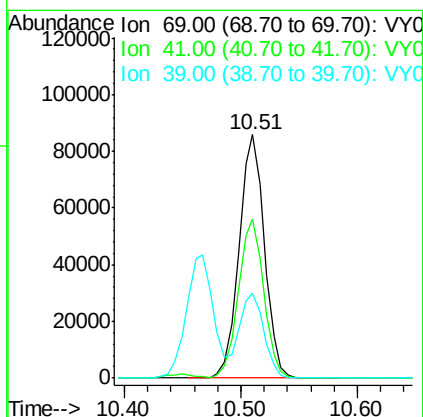
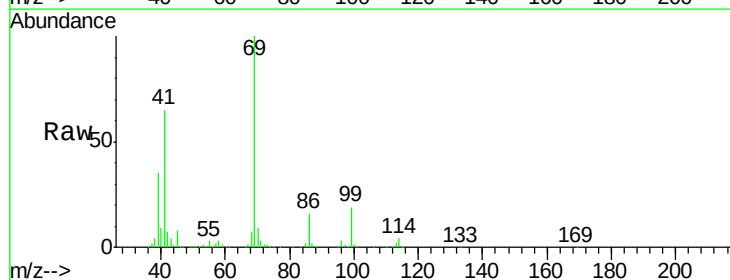
Manual Integrations
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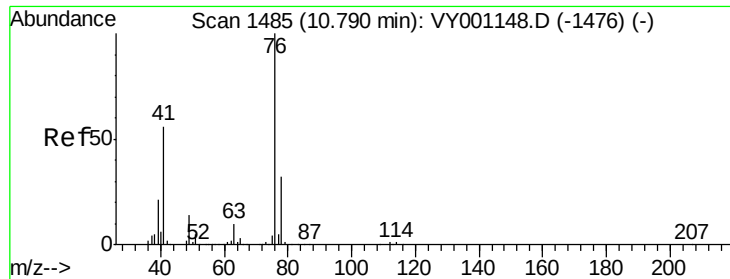
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 53.157 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.4	77.2
39	35.0	26.3	39.5





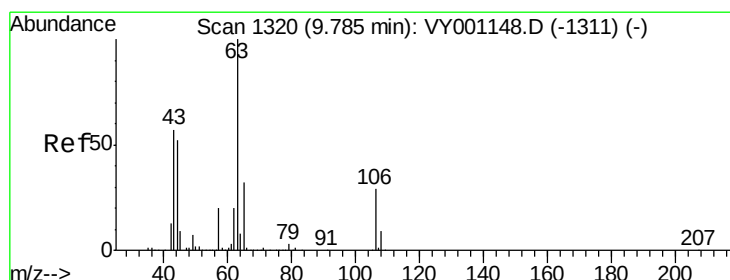
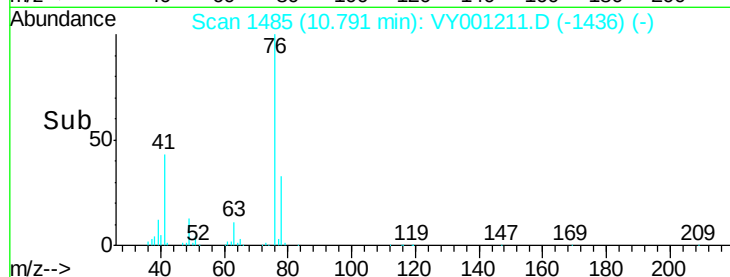
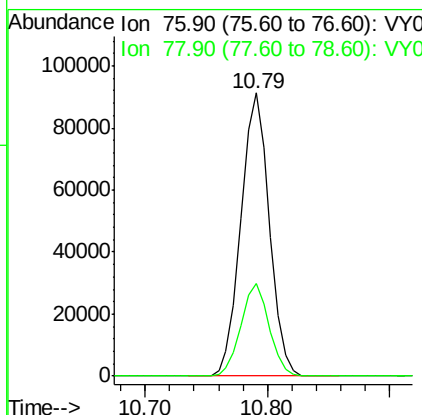
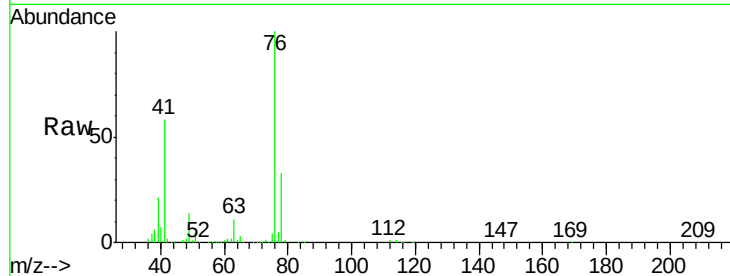
#57
 1,3-Dichloropropane
 Concen: 53.738 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

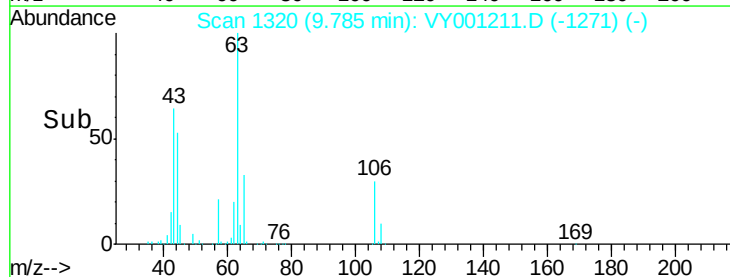
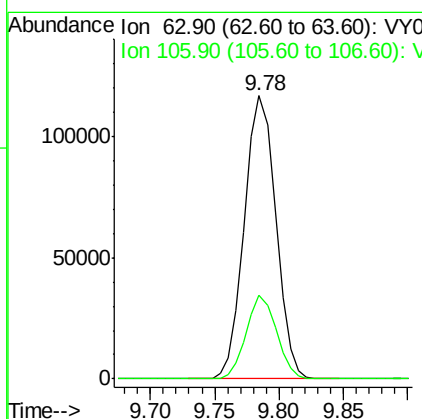
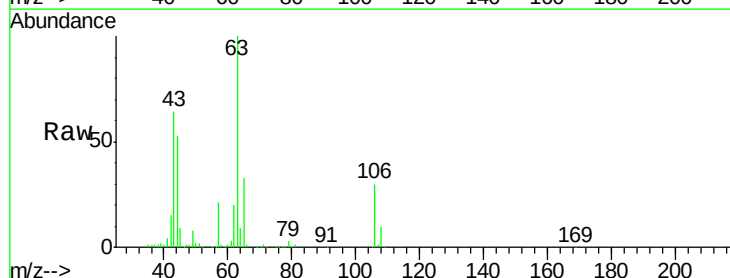
Manual Integrations
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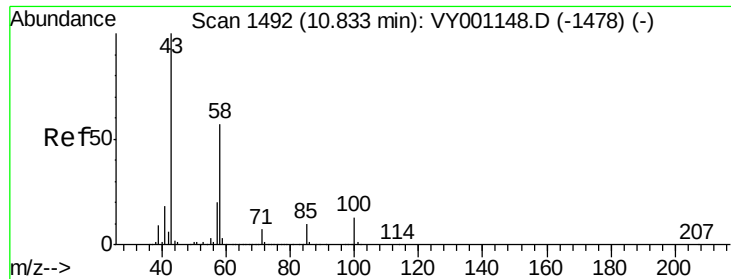
MMDadoda
 1/16/2020 9:36:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.961 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.0	34.6





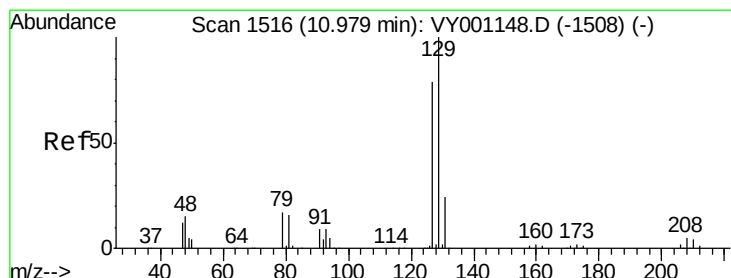
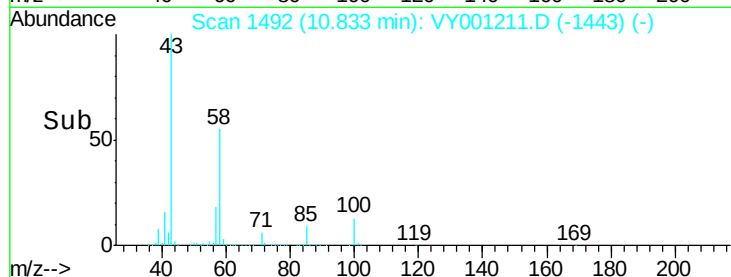
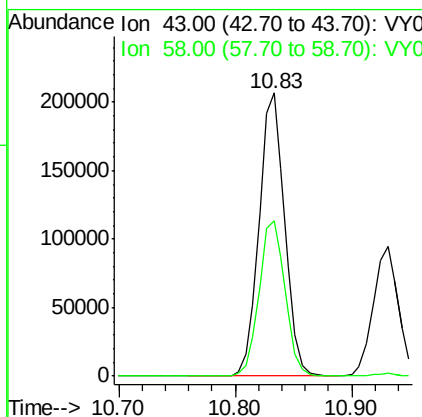
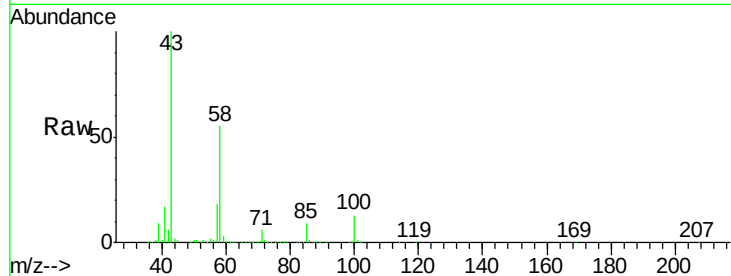
#59
2-Hexanone
Concen: 290.389 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	43	Resp	316249
Ion Ratio	100	Lower	Upper
43	100		
58	55.7	28.4	85.2

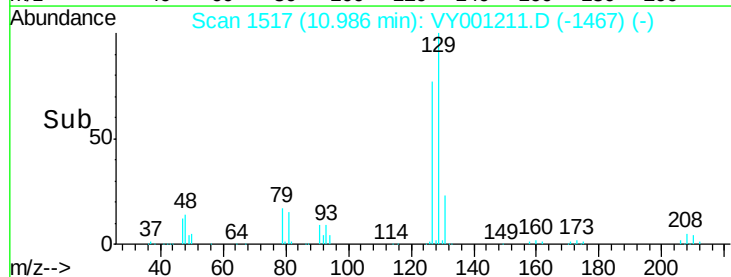
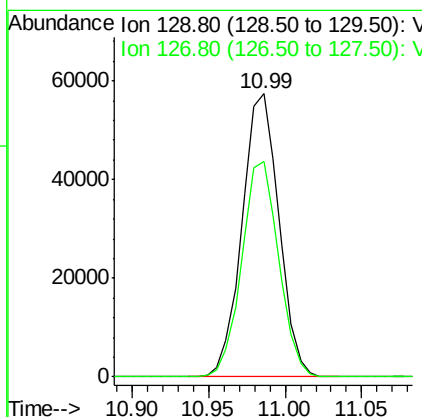
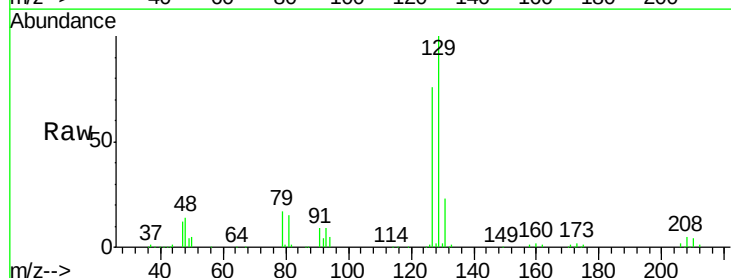
Manual Integrations
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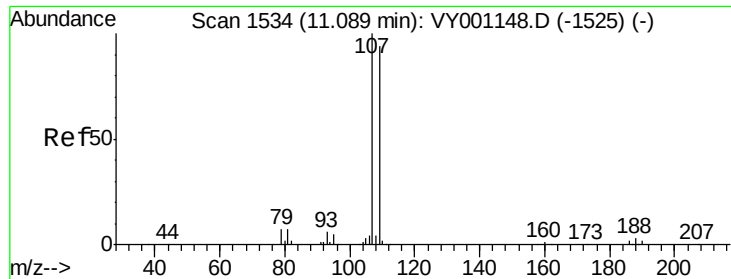
MMDadoda
1/16/2020 9:36:11 AM



#60
Dibromochloromethane
Concen: 52.472 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	129	Resp	96239
Ion Ratio	100	Lower	Upper
129	100		
127	76.3	38.9	116.7





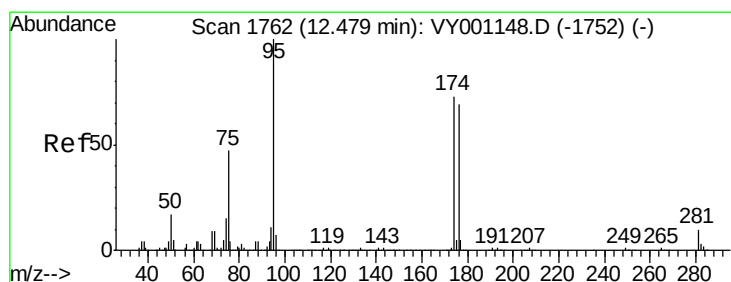
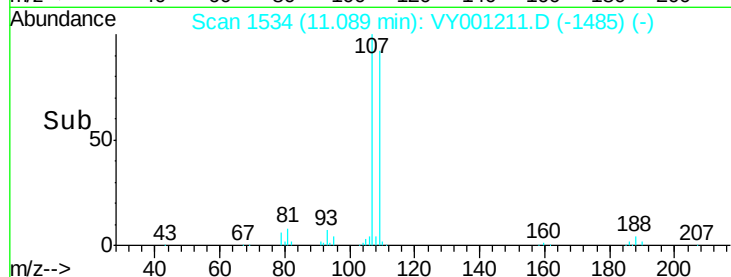
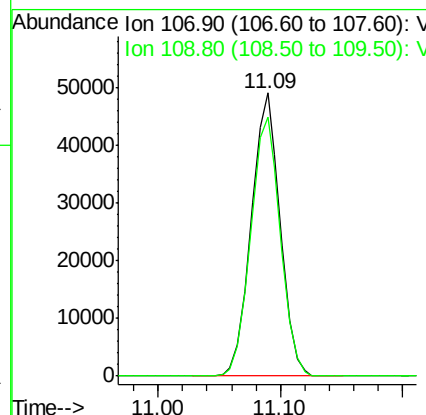
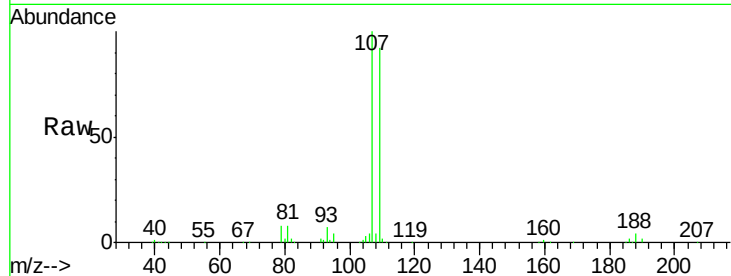
#61
 1,2-Dibromoethane
 Concen: 51.474 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion:107 Resp: 80064
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0

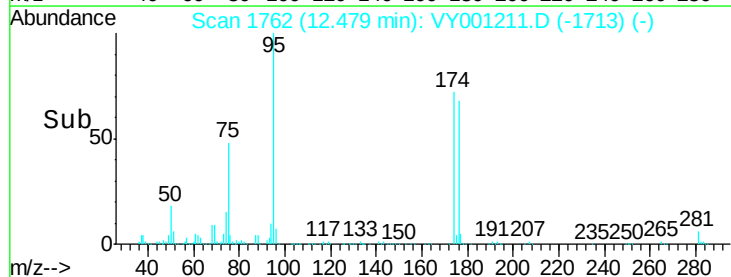
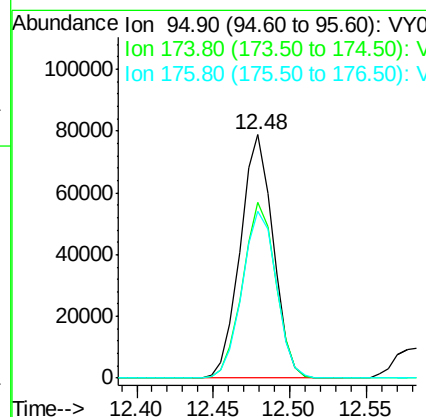
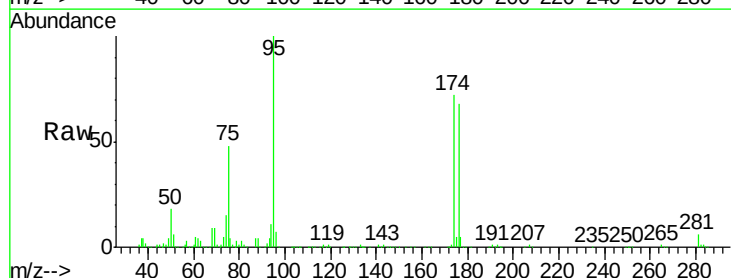
Manual Integrations
 APPROVED

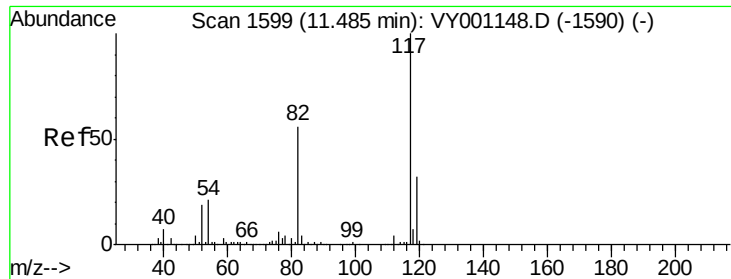
MMDadoda
 1/16/2020 9:36:11 AM



#62
 4-Bromofluorobenzene
 Concen: 42.651 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion: 95 Resp: 117783
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 143.2
 176 70.9 0.0 136.0





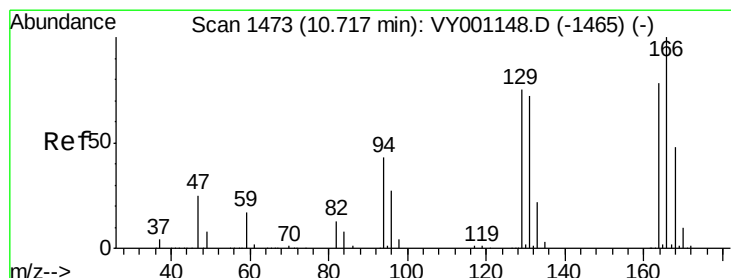
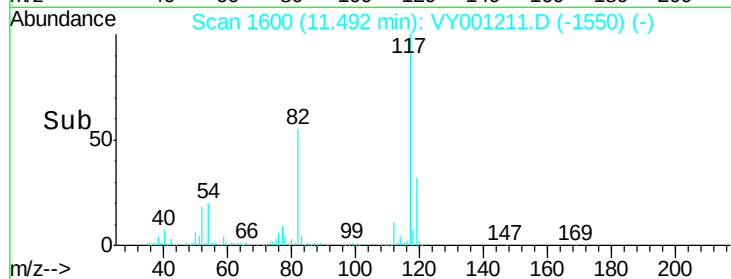
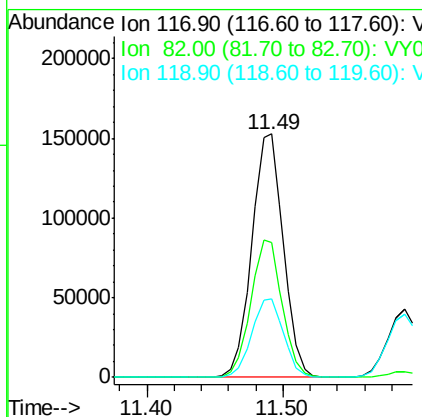
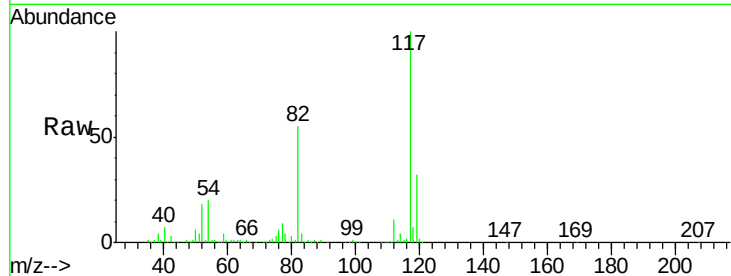
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.9	67.3
119	32.1	25.7	38.5

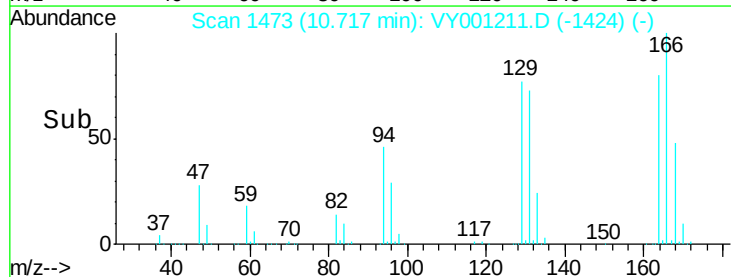
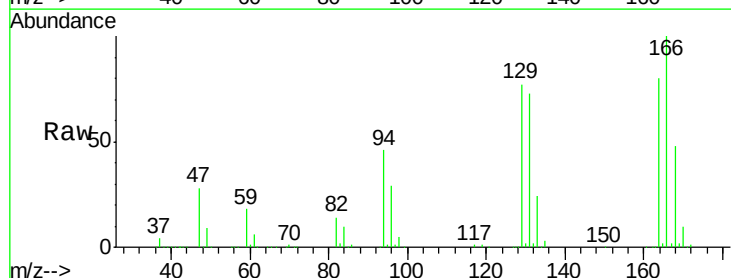
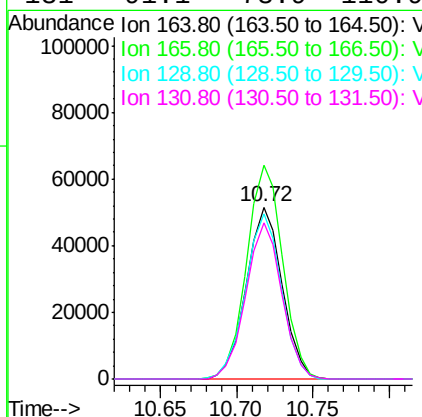
Manual Integrations
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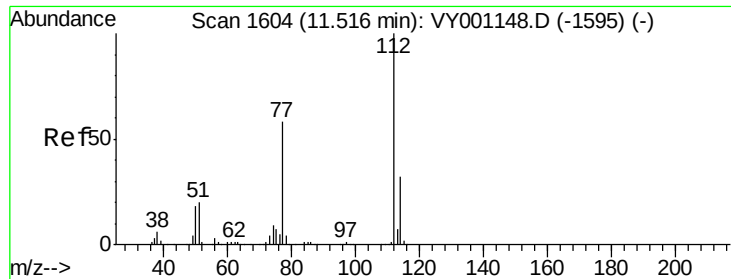
MMDadoda
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#64
Tetrachloroethene
Concen: 52.429 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	102.3	153.5
129	95.7	76.2	114.4
131	91.1	73.9	110.9





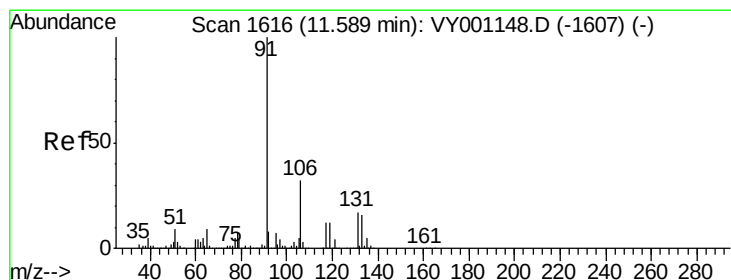
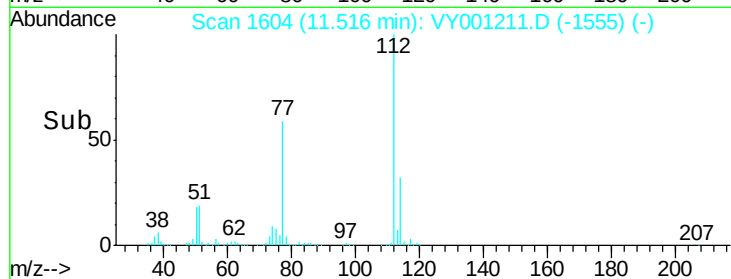
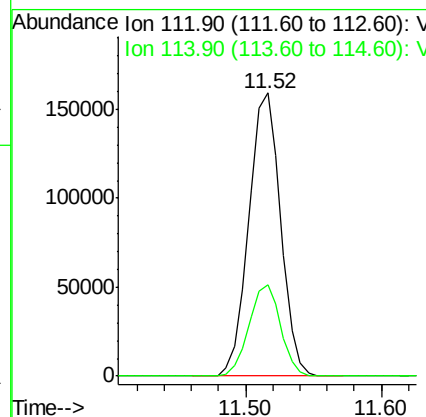
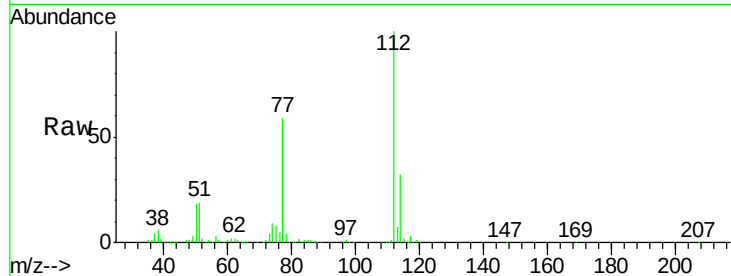
#65
Chlorobenzene
Concen: 52.458 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

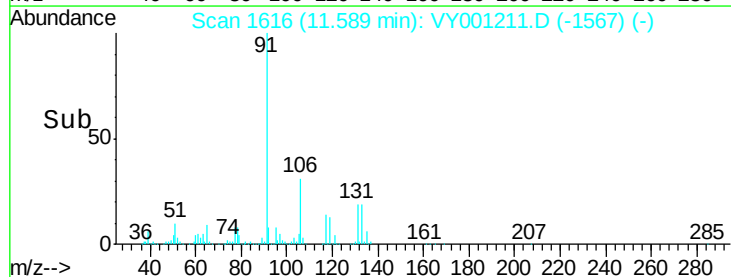
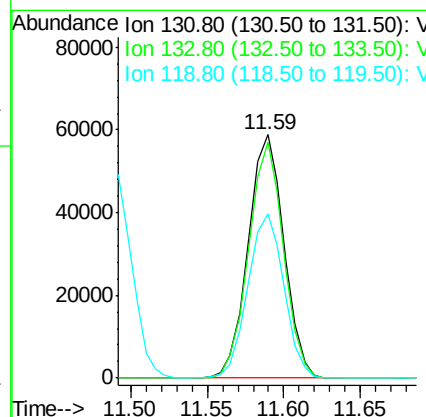
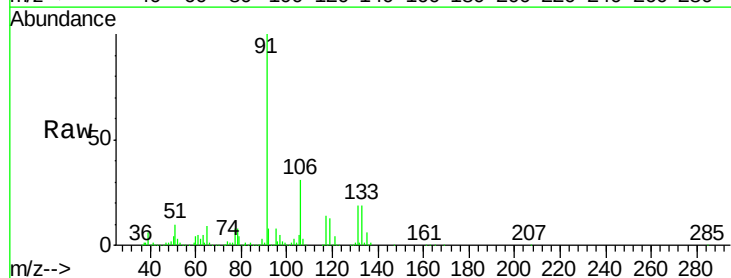
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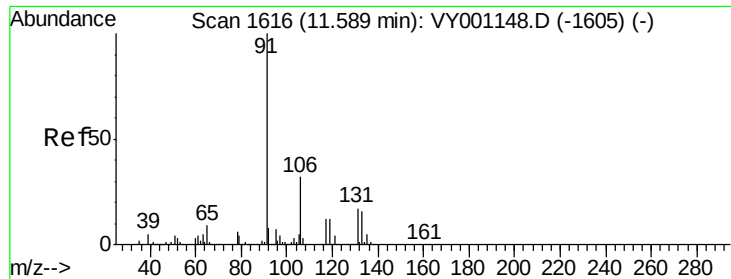
MMDadoda
1/16/2020 9:36:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.838 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	142.0
119	68.5	33.6	100.8





#67

Ethyl Benzene

Concen: 51.266 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion: 91 Resp: 465823

Ion Ratio Lower Upper

91 100

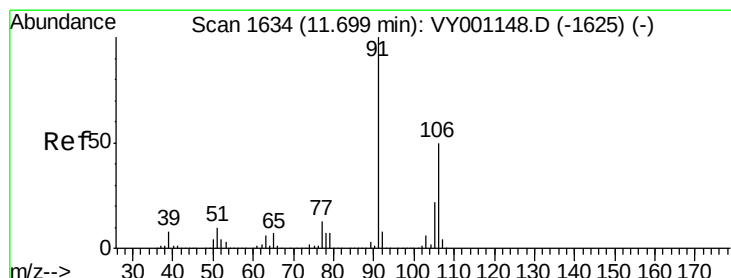
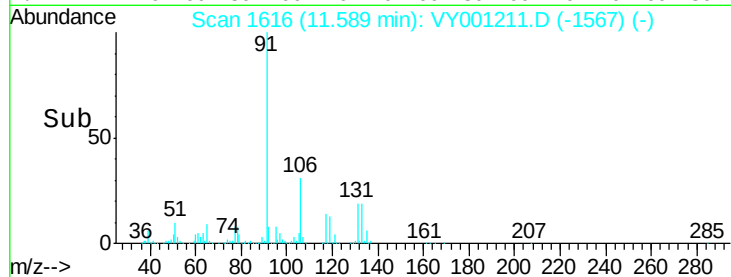
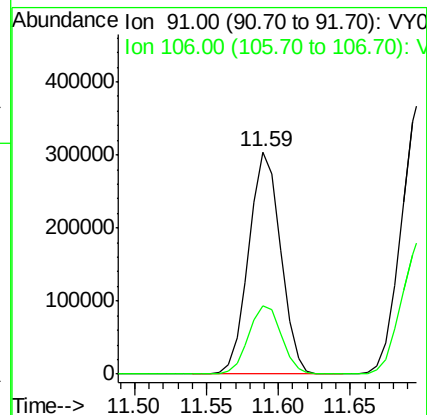
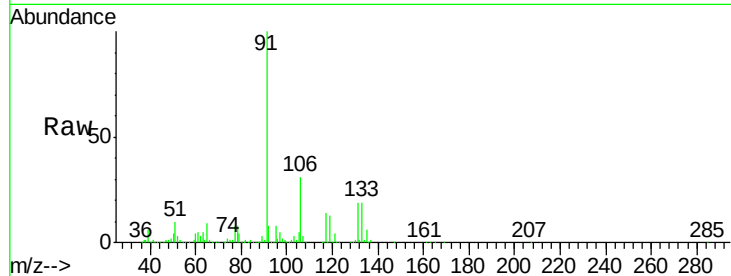
106 30.8 25.3 37.9

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#68

m/p-Xylenes

Concen: 102.983 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY001211.D

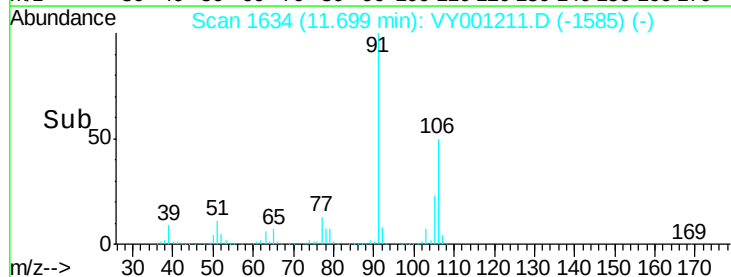
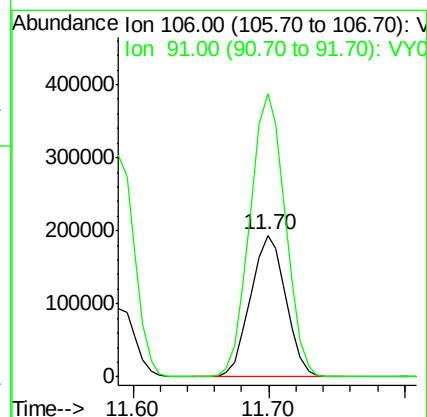
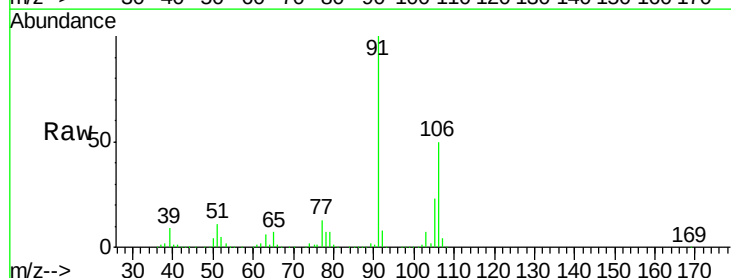
Acq: 15 Jan 2020 12:43

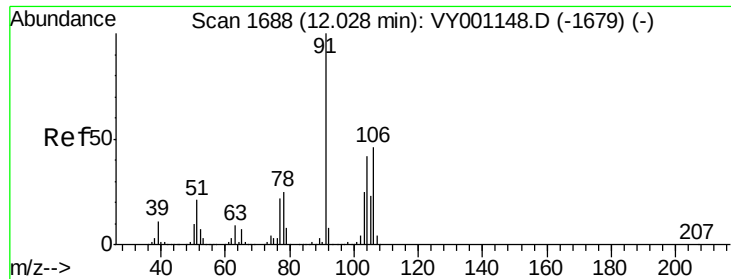
Tgt Ion: 106 Resp: 352990

Ion Ratio Lower Upper

106 100

91 200.4 161.4 242.2





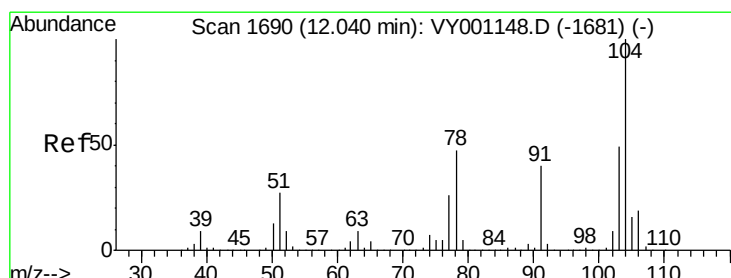
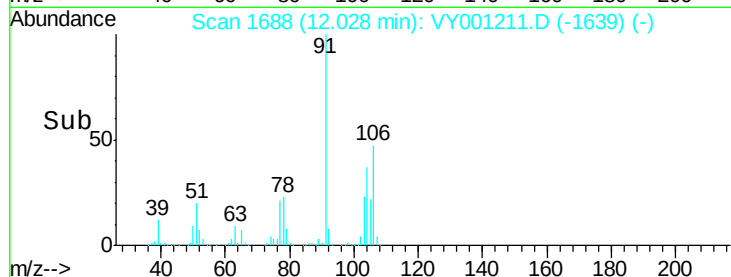
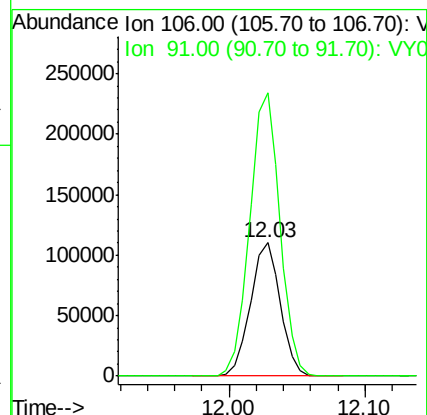
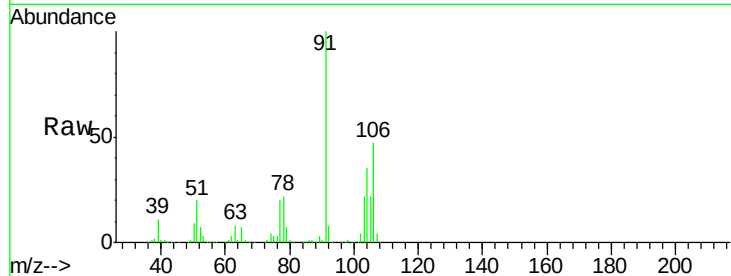
#69
o-Xylene
Concen: 51.805 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.2	106.3	318.8		

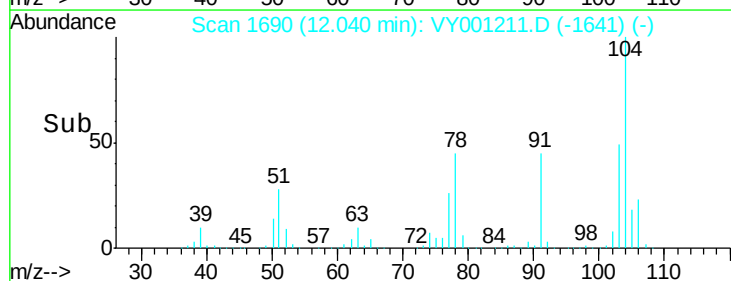
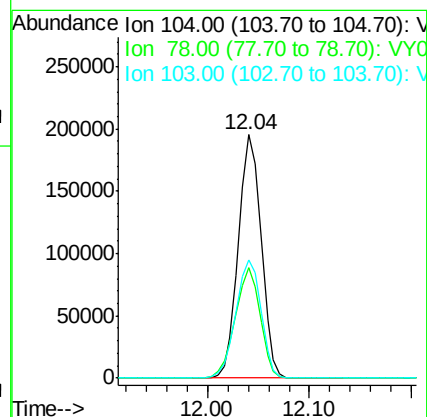
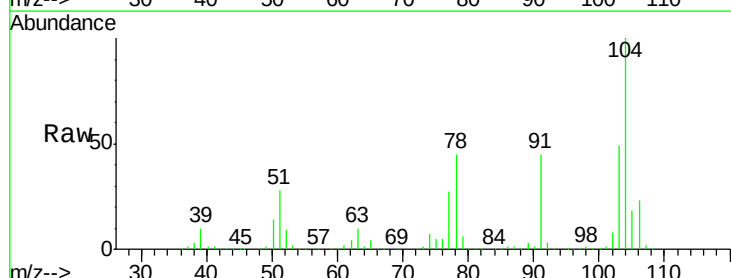
Manual Integrations
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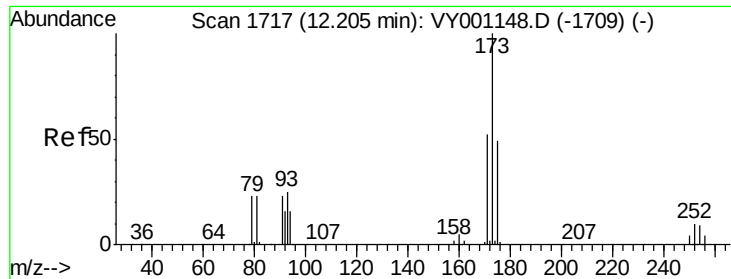
MMDadoda
1/16/2020 9:36:11 AM



#70
Styrene
Concen: 52.310 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.3	40.5	60.7		
103	53.5	42.4	63.6		





#71

Bromoform

Concen: 55.500 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

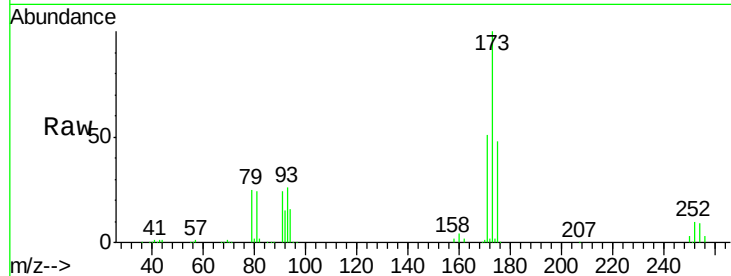
ClientSampleId :

BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.1	0.1#

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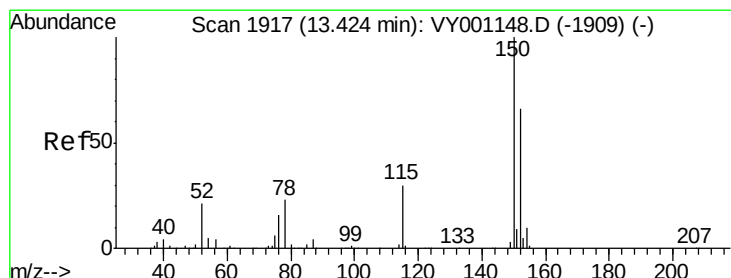
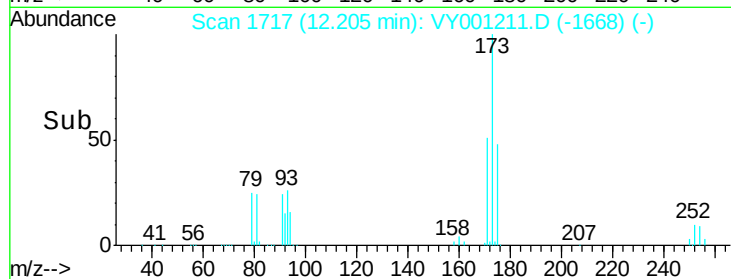
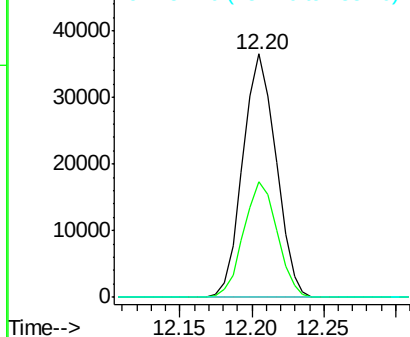


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

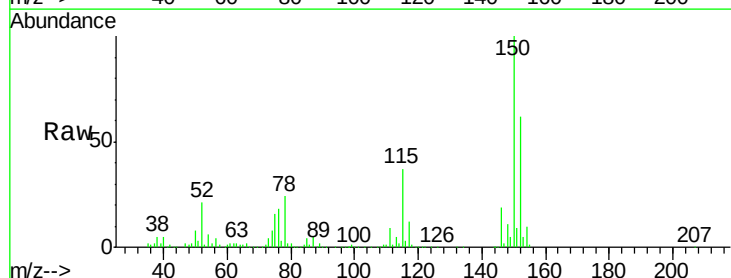
RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.9	92.5
150	177.7	0.0	346.8

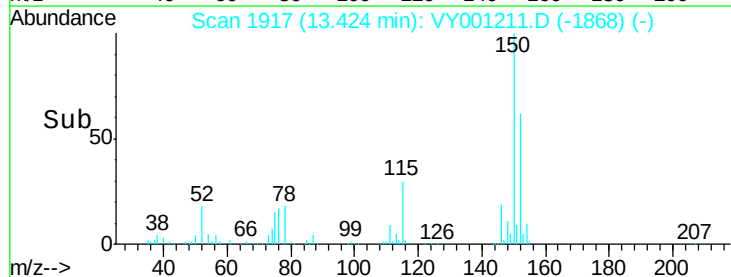
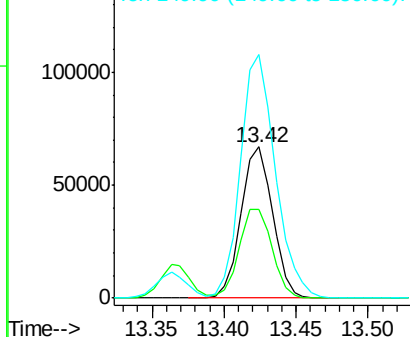


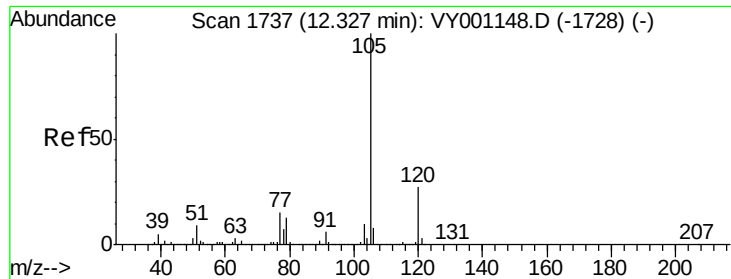
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.628 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion: 105 Resp: 418810

Ion Ratio Lower Upper

105 100

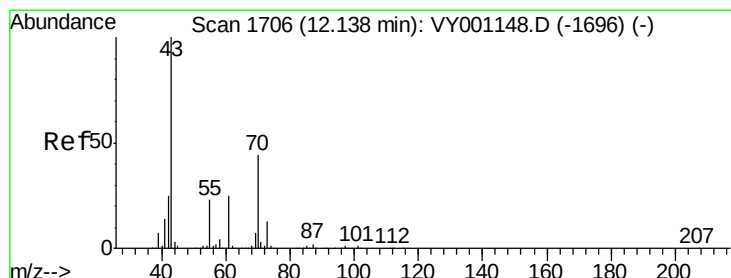
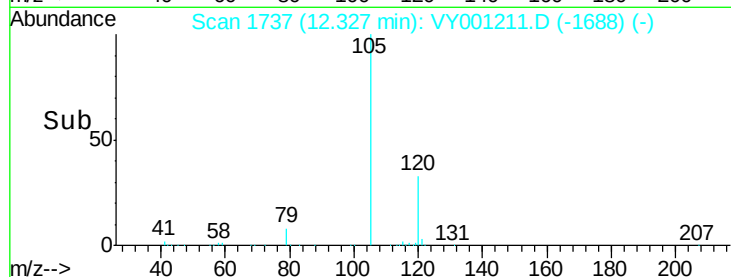
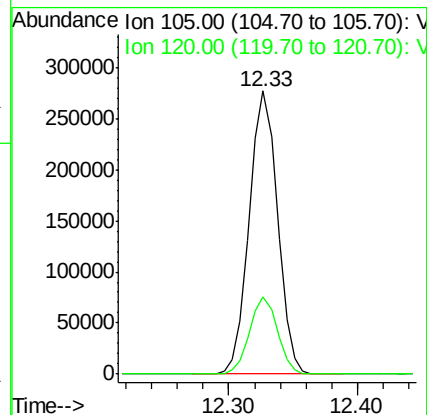
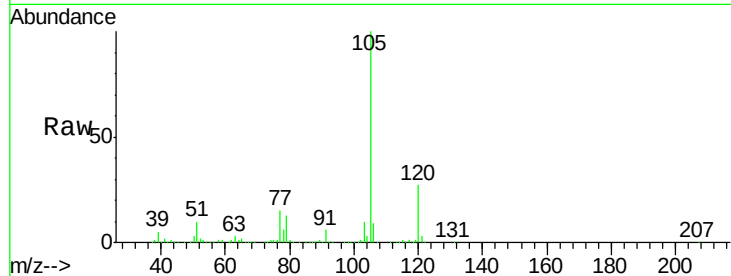
120 26.9 13.4 40.2

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#74

N-ethyl acetate

Concen: 66.595 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Tgt Ion: 43 Resp: 159336

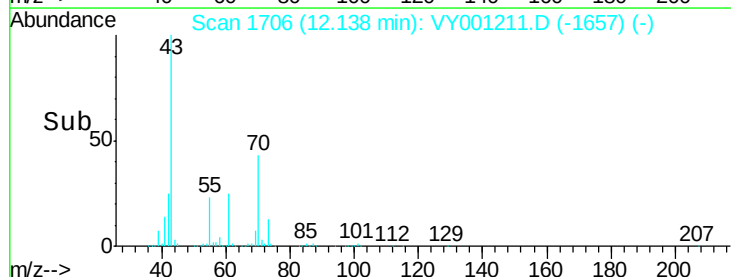
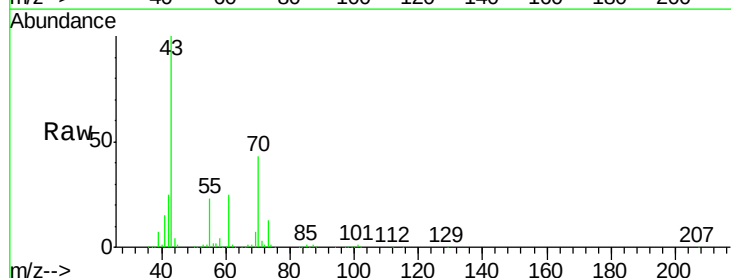
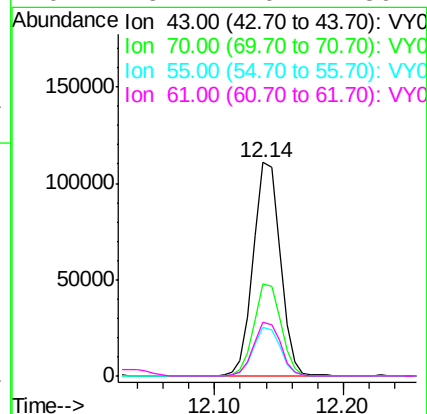
Ion Ratio Lower Upper

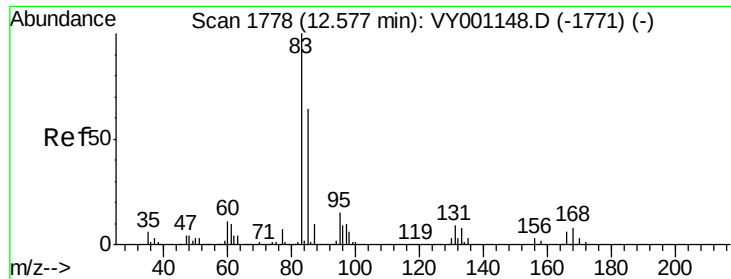
43 100

70 43.7 35.0 52.6

55 22.7 18.4 27.6

61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 65.097 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

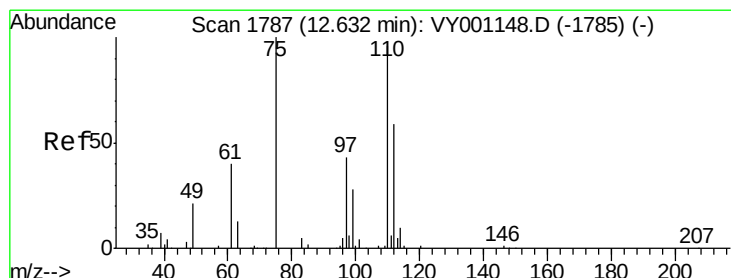
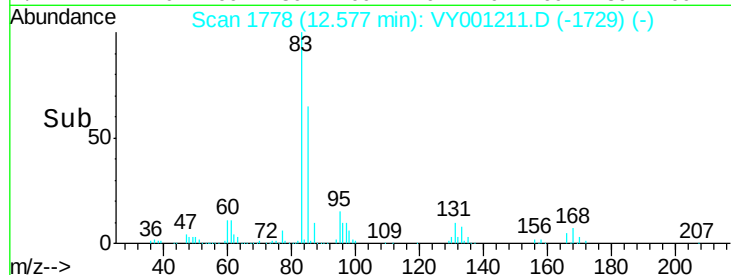
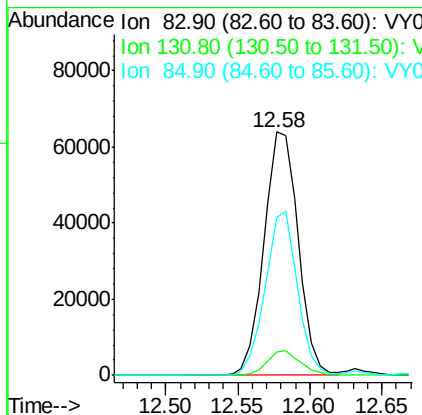
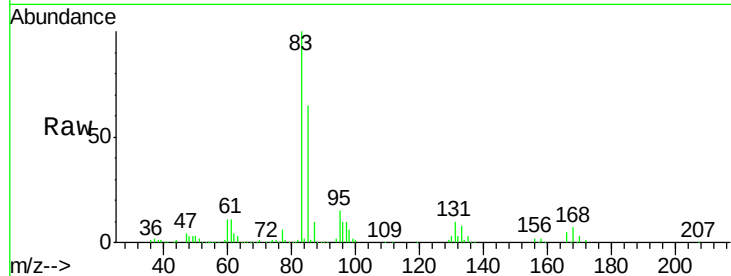
ClientSampleId :

BW-1-3.0MSD

Tot Ion:	83	Resp:	105001
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	63.7	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 62.879 ug/l m

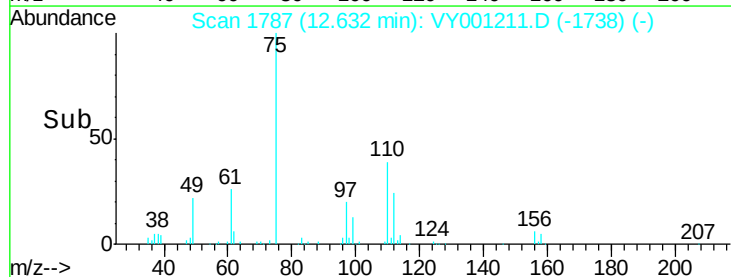
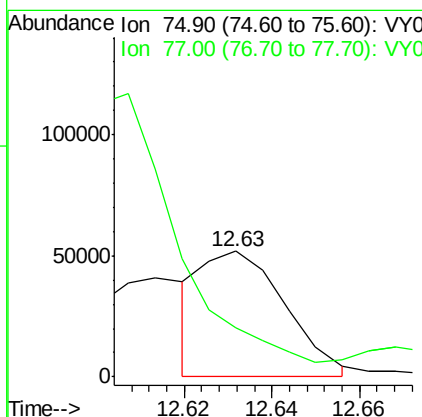
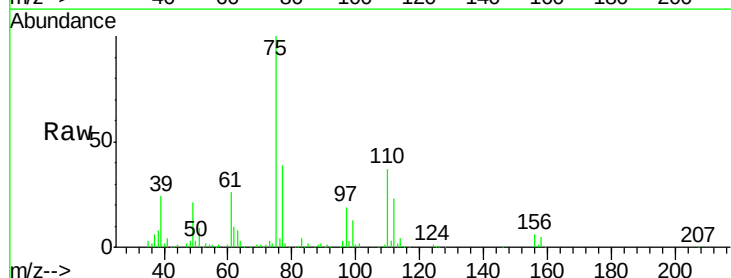
RT: 12.63 min Scan# 1787

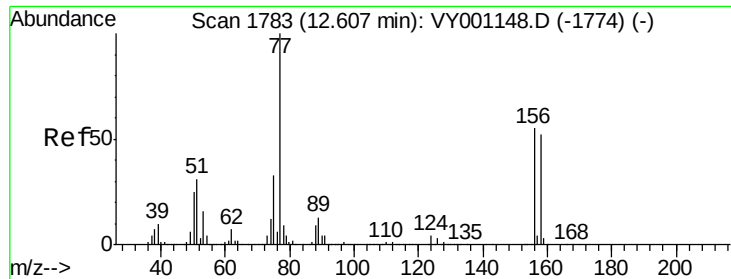
Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Tgt Ion:	75	Resp:	68645
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 58.571 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion:156 Resp: 99221

Ion Ratio Lower Upper

156 100

77 215.1 106.7 320.1

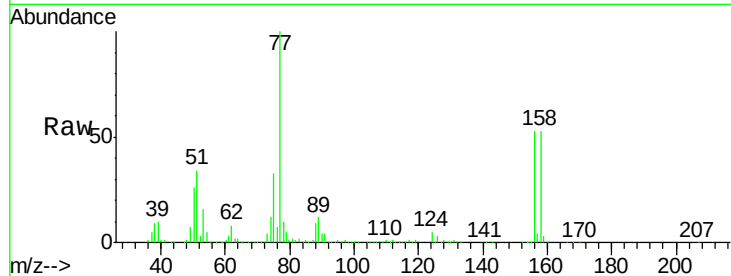
158 98.6 48.3 144.8

Manual Integrations

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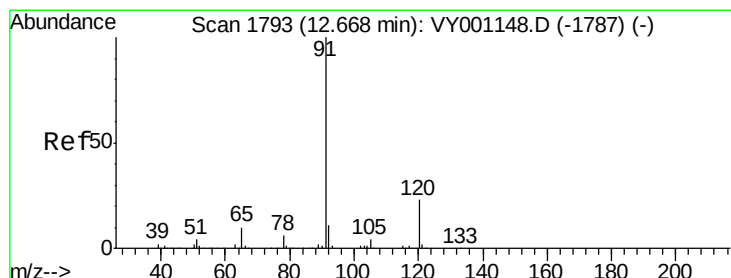
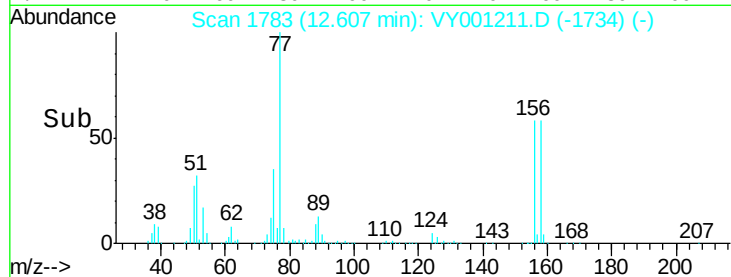
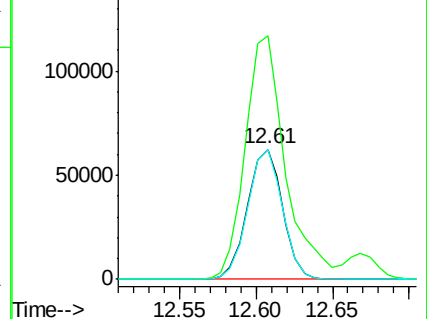
1/16/2020 9:36:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.806 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001211.D

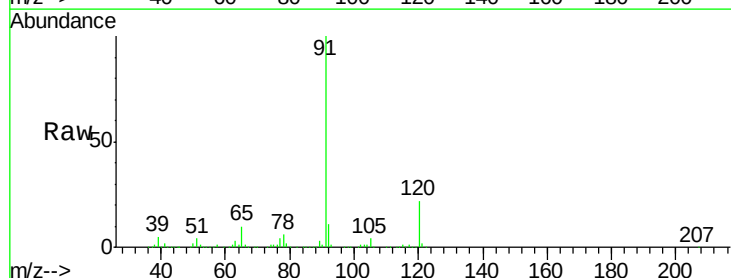
Acq: 15 Jan 2020 12:43

Tgt Ion: 91 Resp: 477744

Ion Ratio Lower Upper

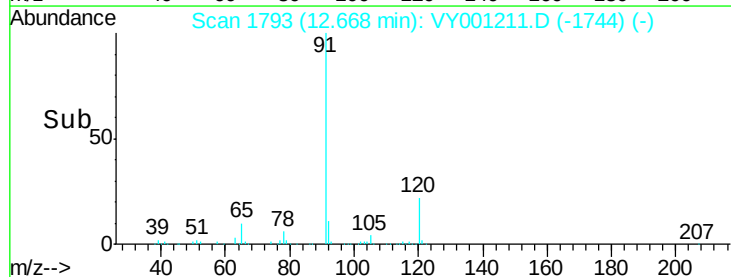
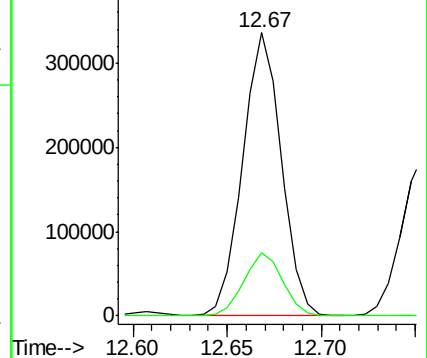
91 100

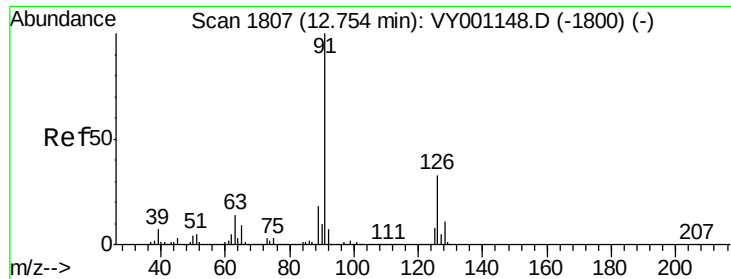
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.318 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion: 91 Resp: 287670

Ion Ratio Lower Upper

91 100

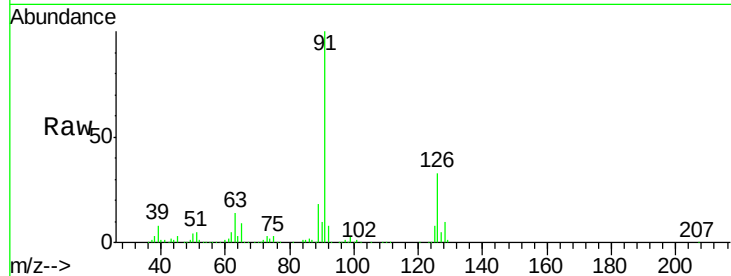
126 33.5 16.4 49.4

Manual Integrations

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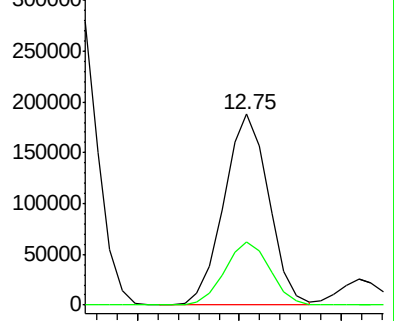
MMDadoda

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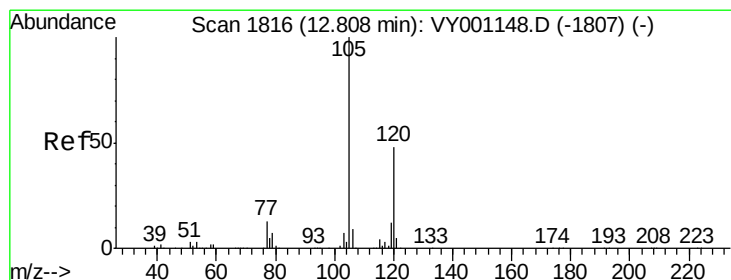
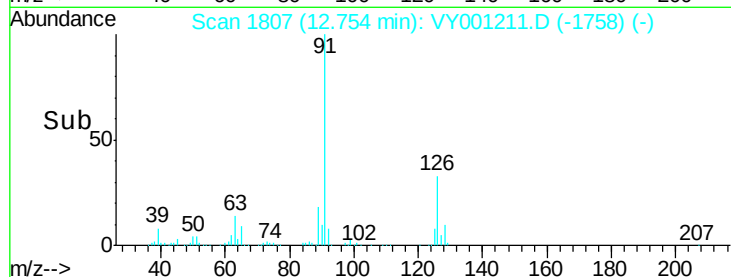


Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.775 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001211.D

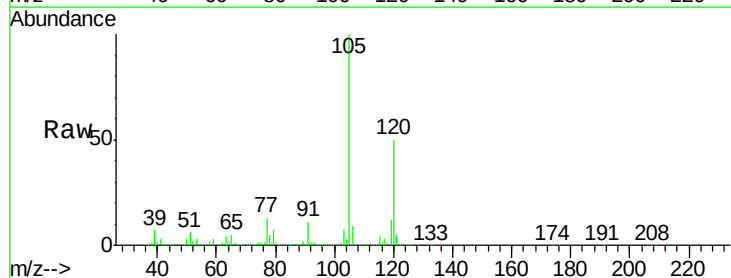
Acq: 15 Jan 2020 12:43

Tgt Ion:105 Resp: 337593

Ion Ratio Lower Upper

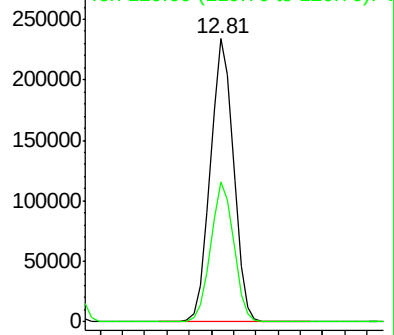
105 100

120 49.1 24.2 72.6

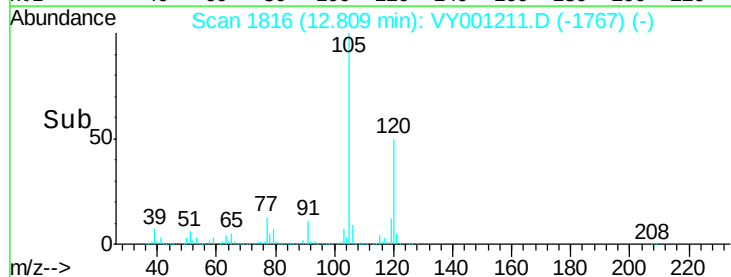


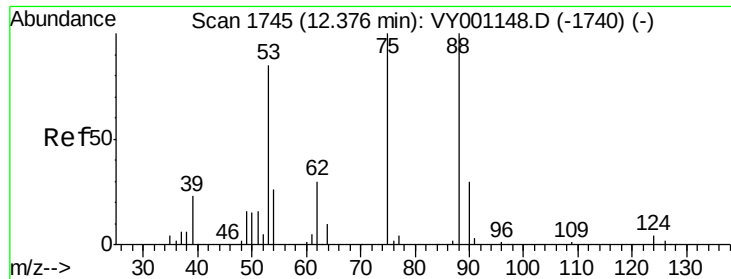
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 64.115 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

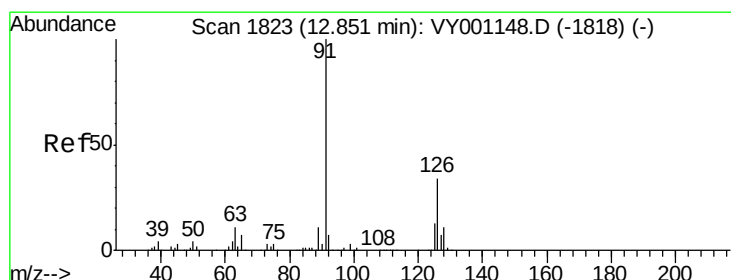
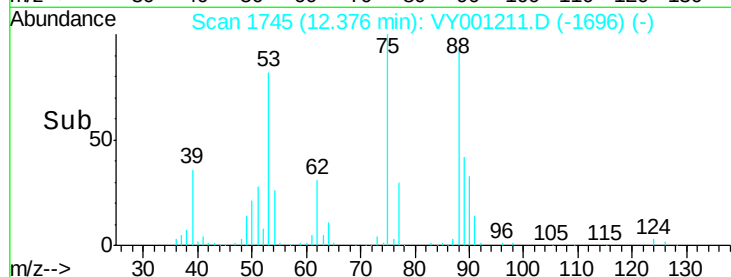
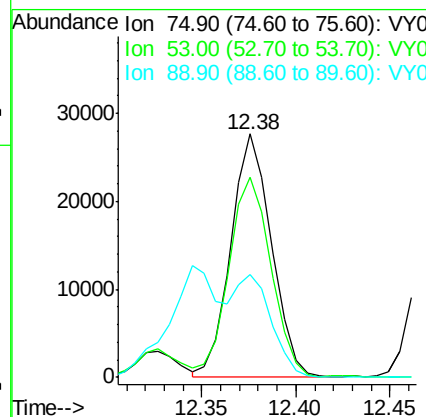
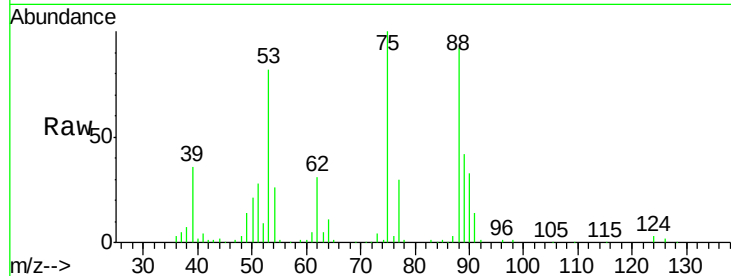
ClientSampleId :

BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.4	69.4	104.2
89	37.2	0.0	0.0#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.376 ug/l

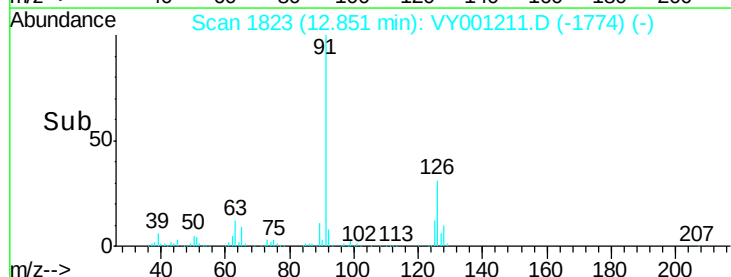
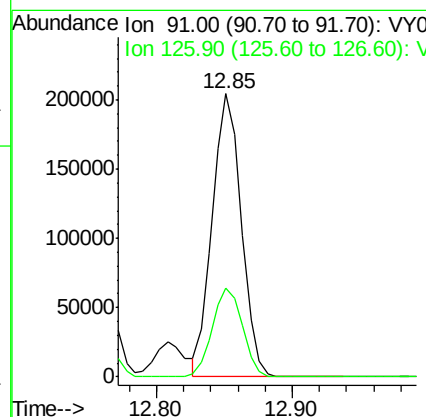
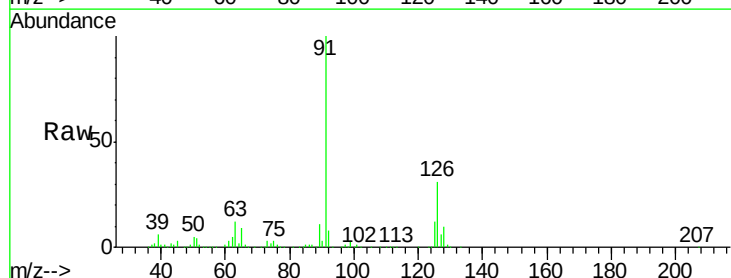
RT: 12.85 min Scan# 1823

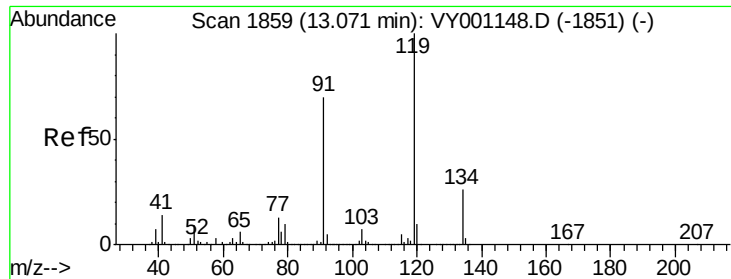
Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.3	48.8





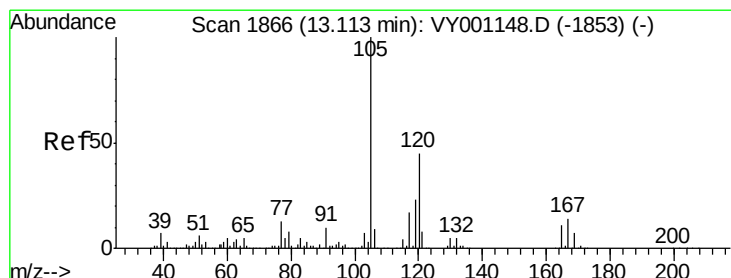
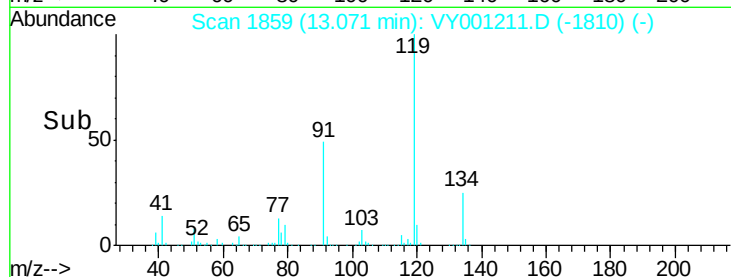
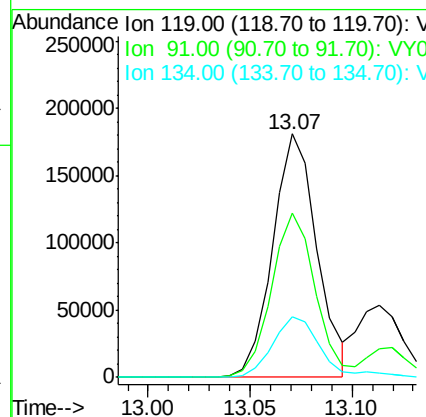
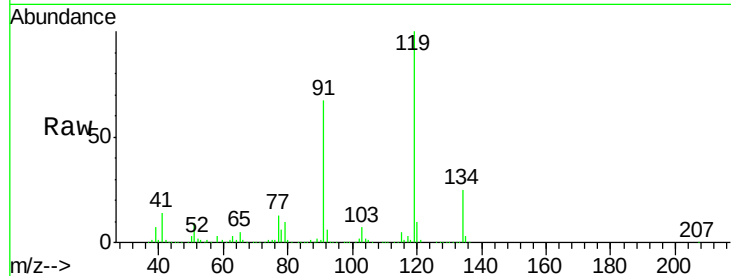
#83
 tert-Butylbenzene
 Concen: 50.957 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.9	101.7
134	27.2	13.5	40.4

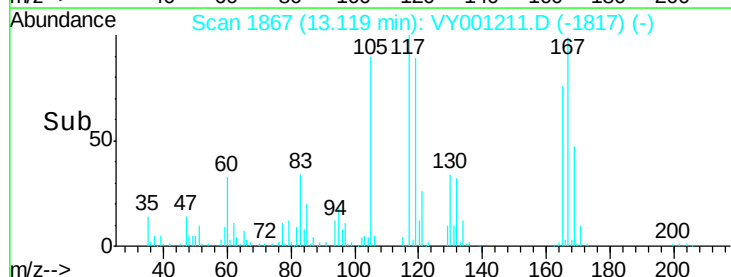
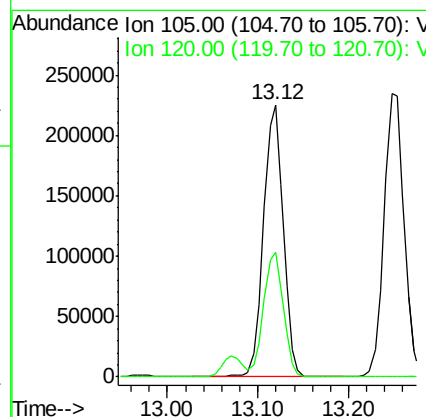
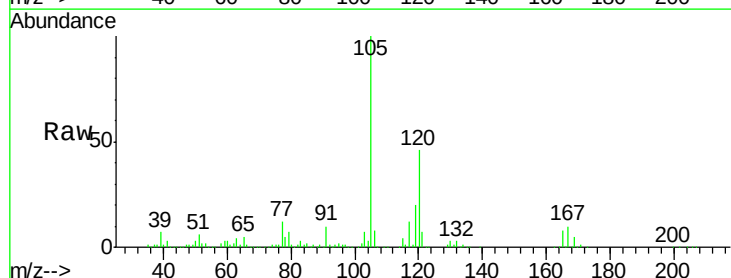
Manual Integrations
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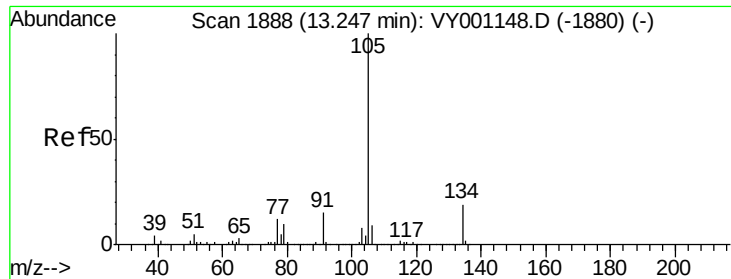
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 1/16/2020 9:36:11 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.430 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.8	68.3





#85

sec-Butylbenzene

Concen: 46.090 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0MSD

Tot Ion:105 Resp: 356394

Ion Ratio Lower Upper

105 100

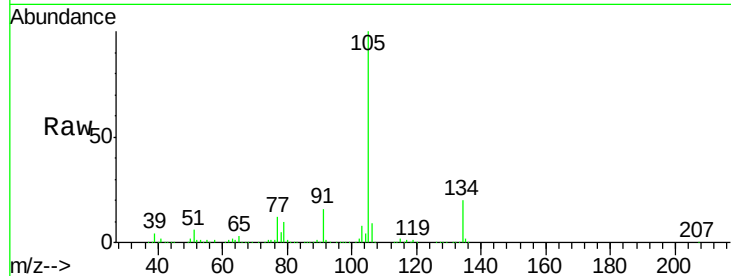
134 20.2 9.8 29.5

Manual Integrations

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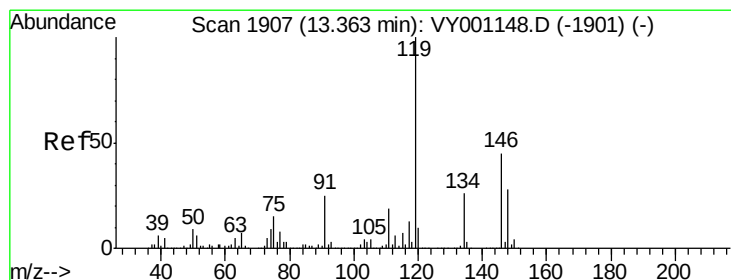
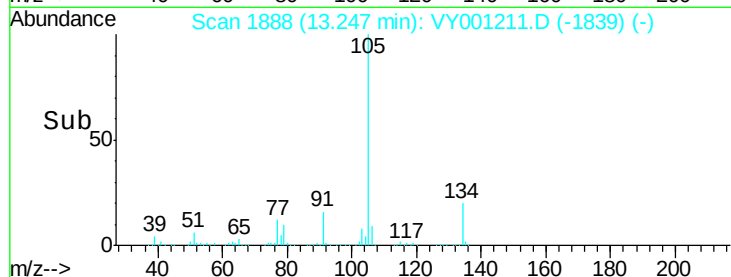
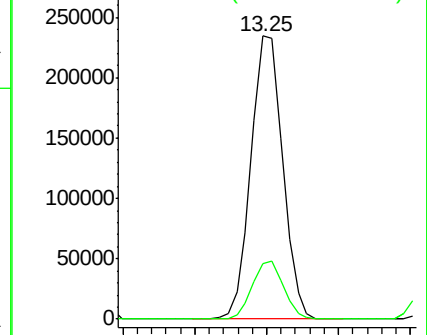
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.858 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001211.D

Acq: 15 Jan 2020 12:43

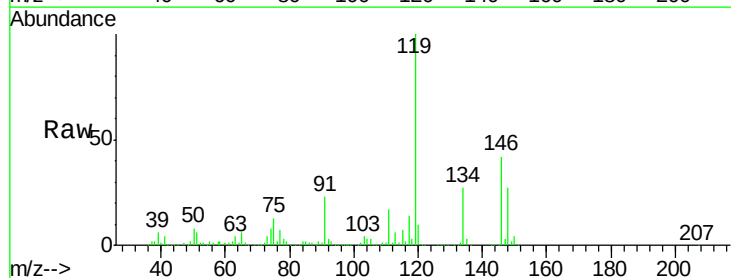
Tgt Ion:119 Resp: 314591

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

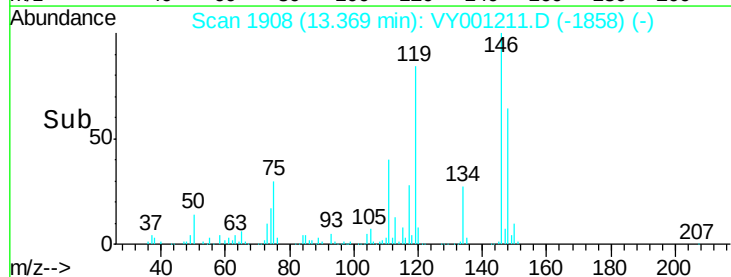
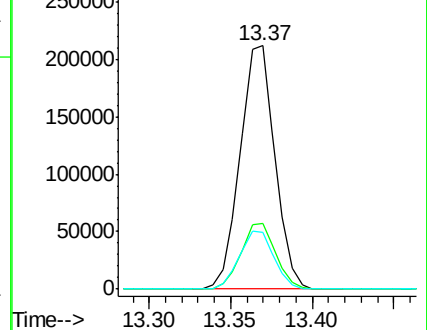
91 23.9 12.4 37.2

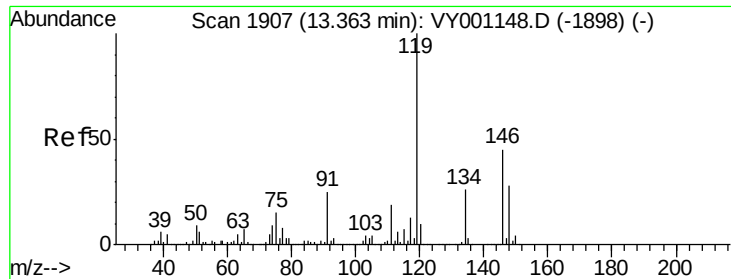


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





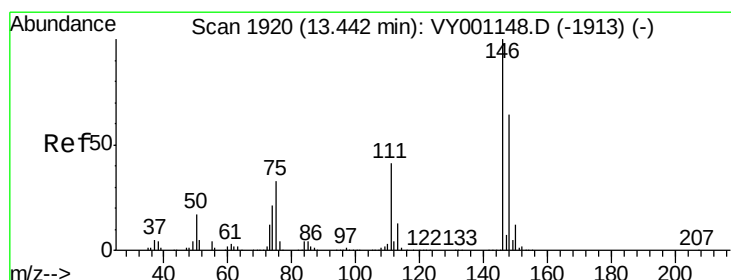
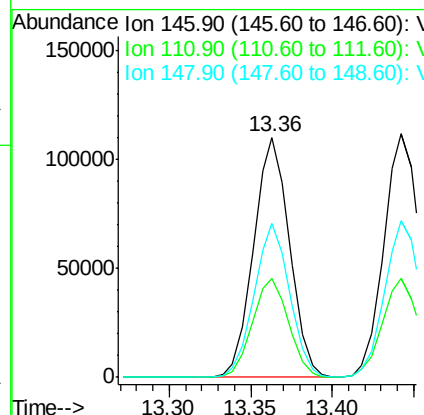
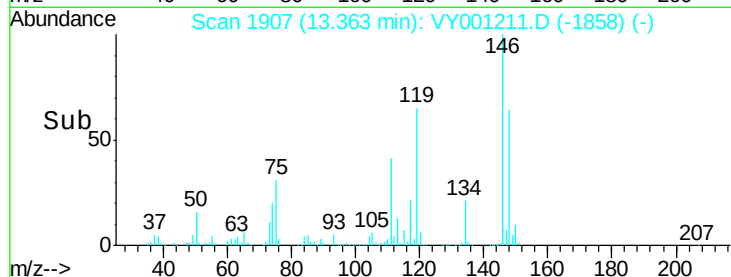
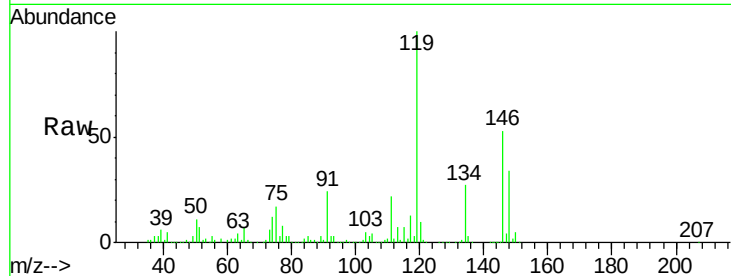
#87
 1,3-Dichlorobenzene
 Concen: 52.515 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168244		
111	41.5	21.3	64.0	
148	63.3	31.9	95.5	

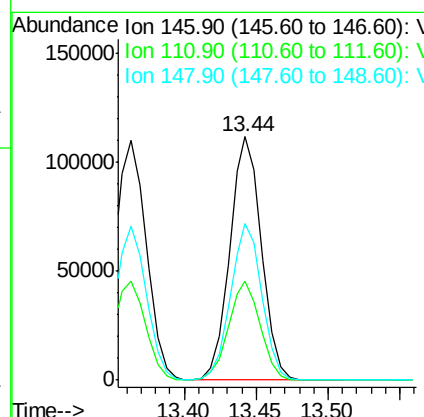
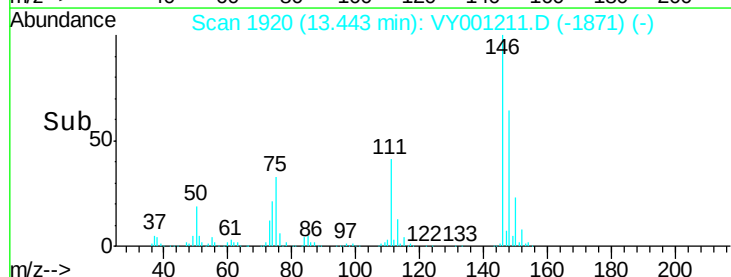
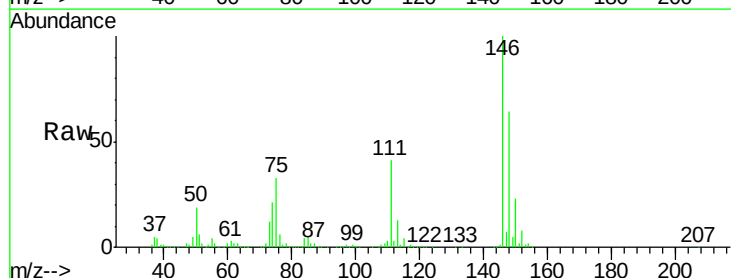
Manual Integrations
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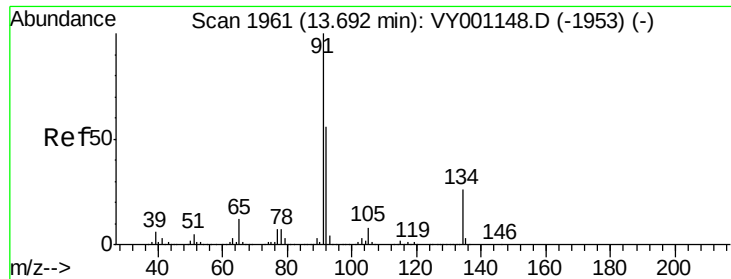
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#88
 1,4-Dichlorobenzene
 Concen: 52.022 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	171532		
111	40.7	20.8	62.5	
148	63.4	32.0	96.2	





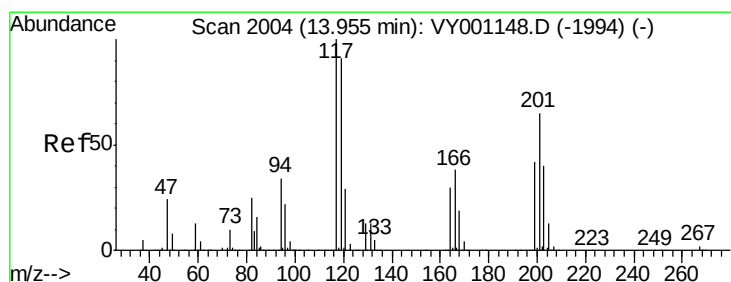
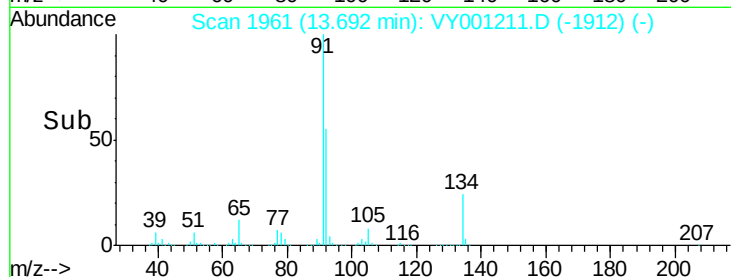
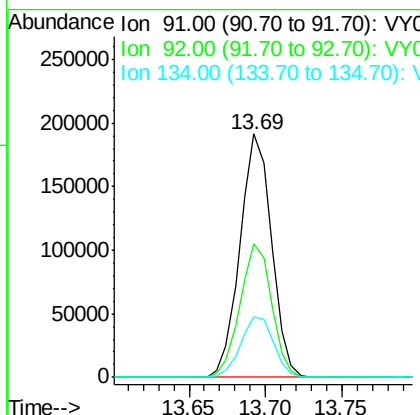
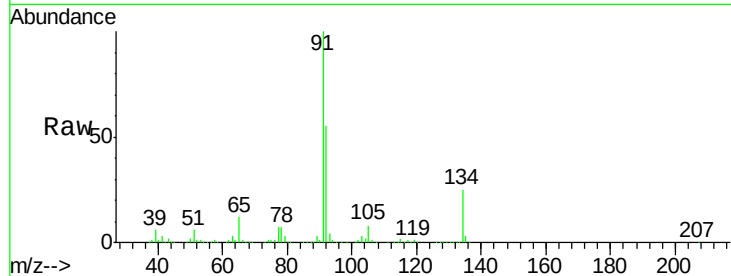
#89
n-Butylbenzene
Concen: 40.524 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.7	83.1
134	25.9	12.9	38.6

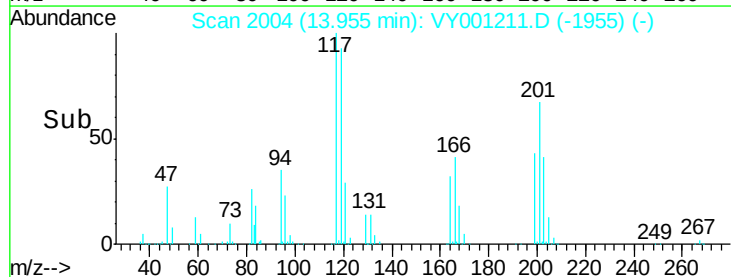
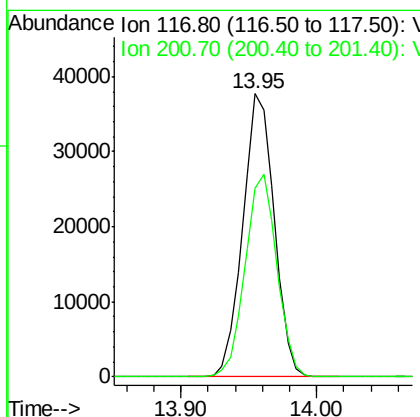
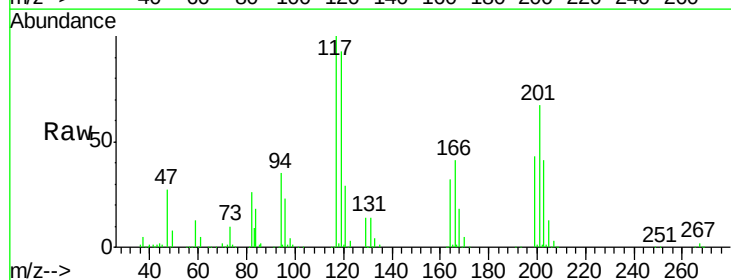
Manual Integrations
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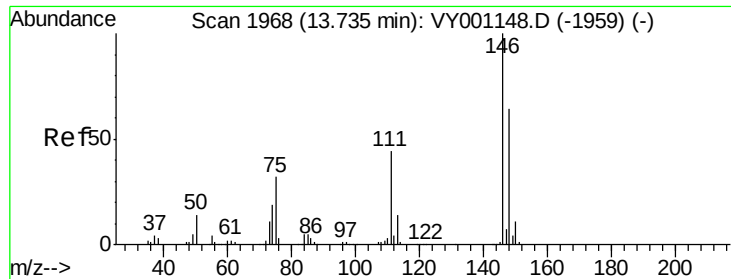
MMDadoda
1/16/2020 9:36:11 AM



#90
Hexachloroethane
Concen: 46.559 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.4	35.4	106.2





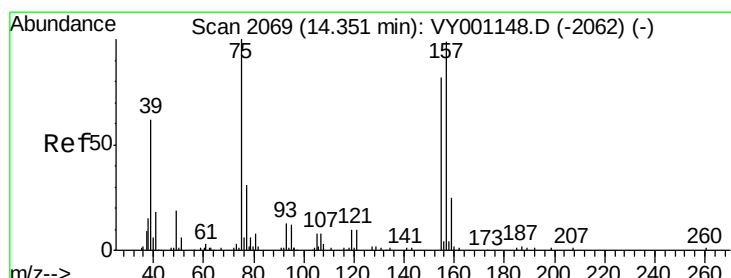
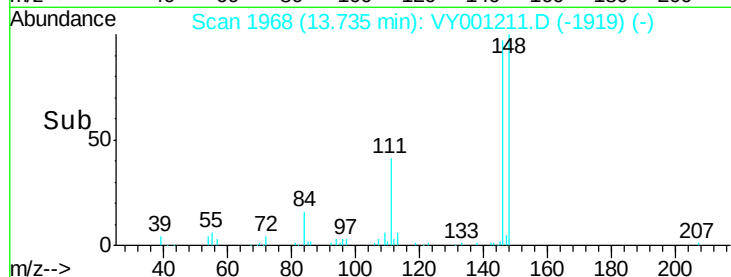
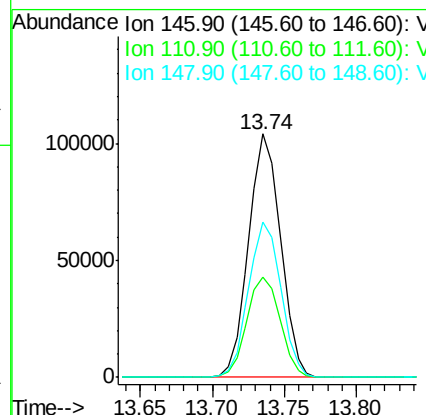
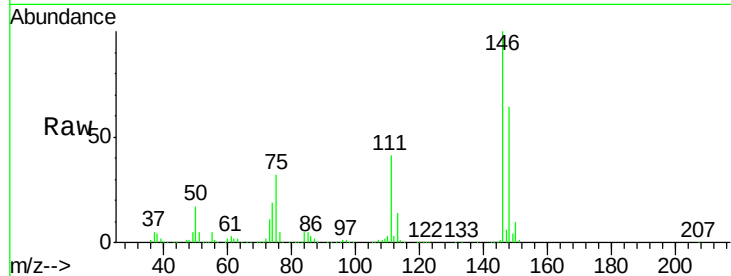
#91
 1,2-Dichlorobenzene
 Concen: 53.867 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.0	66.0
148	64.4	32.1	96.3

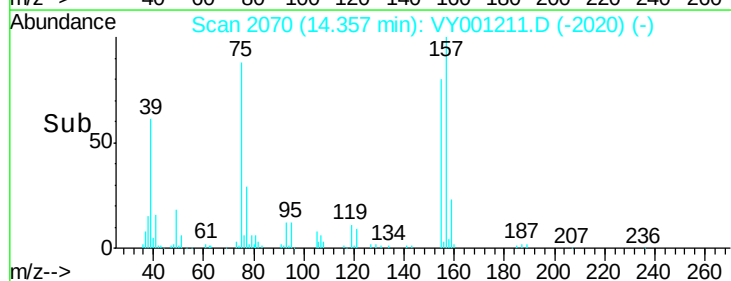
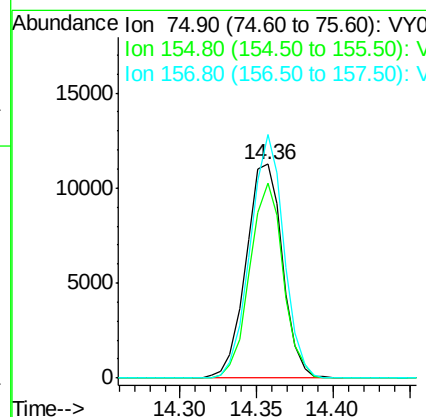
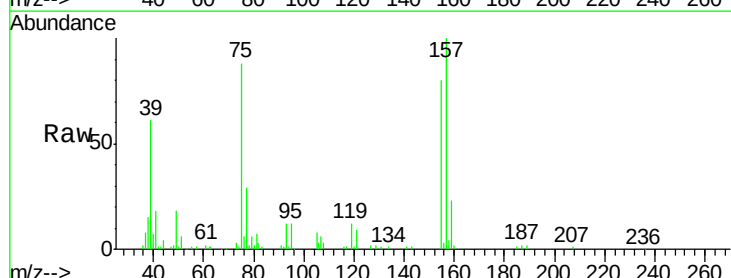
Manual Integrations
 APPROVED

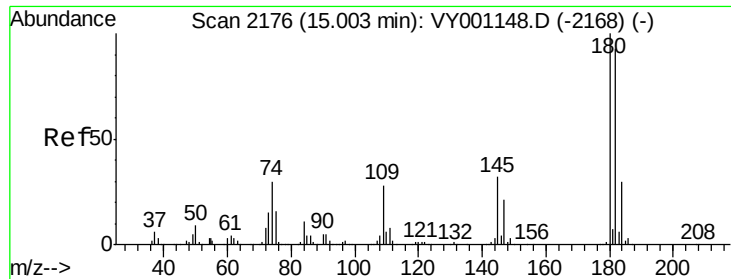
MMDadoda
 1/16/2020 9:36:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.974 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	41.2	123.6
157	104.6	52.8	158.4





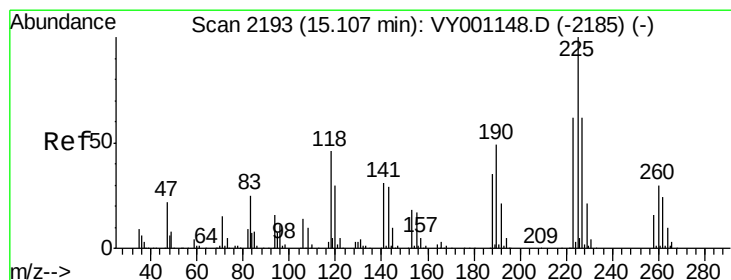
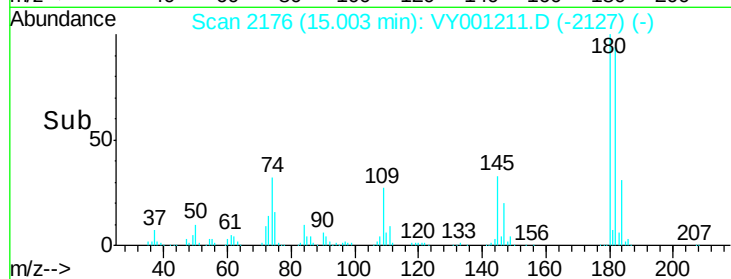
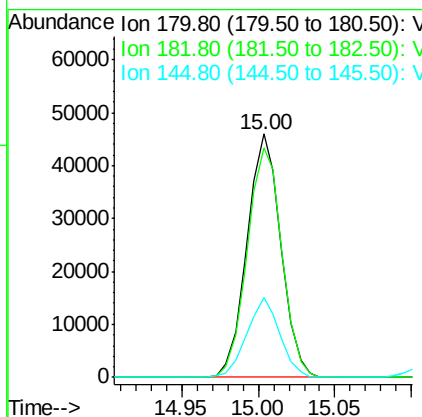
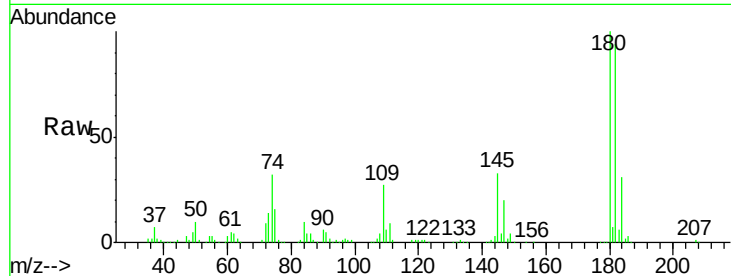
#93
 1,2,4-Trichlorobenzene
 Concen: 36.065 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.9	140.8
145	31.7	16.0	48.0

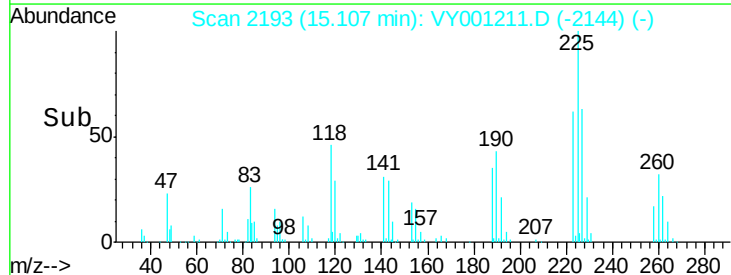
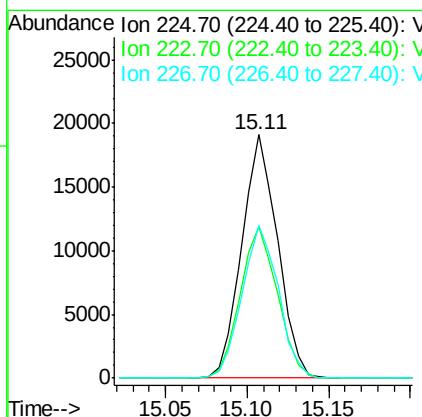
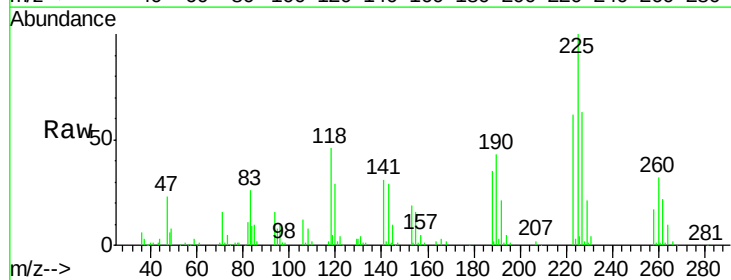
Manual Integrations
 APPROVED

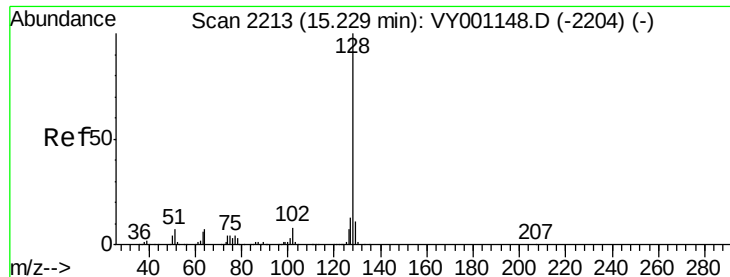
MMDadoda
 1/16/2020 9:36:11 AM



#94
 Hexachlorobutadiene
 Concen: 29.515 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001211.D
 Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.1	93.3
227	63.9	31.3	93.9





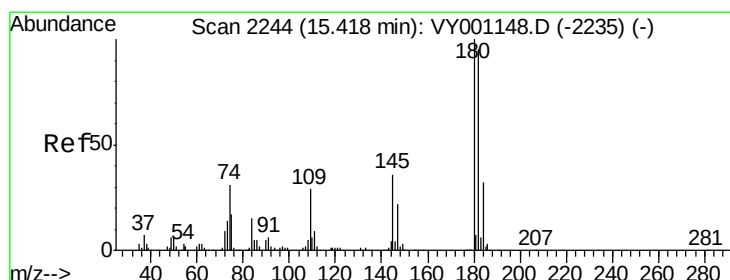
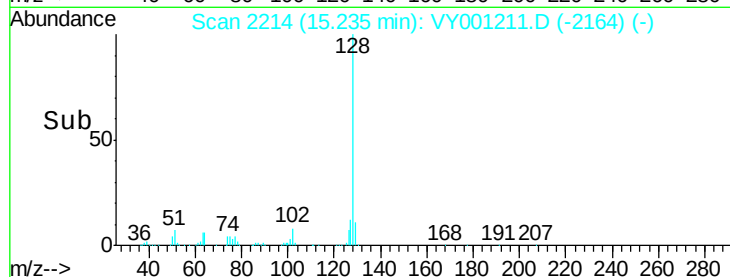
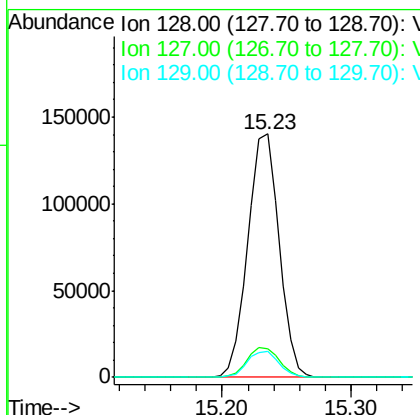
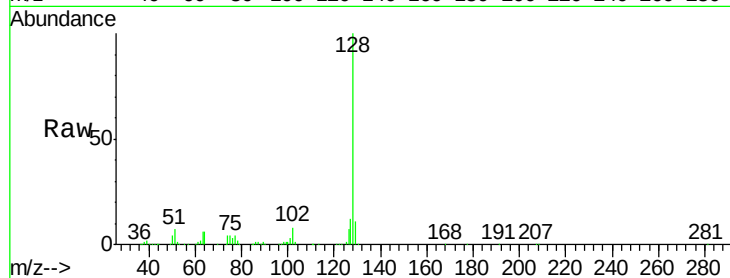
#95
Naphthalene
Concen: 51.420 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 36.988 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001211.D
Acq: 15 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.5	142.5
145	33.7	17.1	51.3

