

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001214.D
 Acq On : 15 Jan 2020 13:48
 Operator : SY/MD
 Sample : VY0115SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:20 AM

Quant Time: Jan 16 05:21:20 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	176031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	308823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	278221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	132246	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	94734	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	7.73	113	87786	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.18	98	359121	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.48	95	133941	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	32295	23.889	ug/l	96
3) Chloromethane	2.12	50	44677	22.927	ug/l	96
4) Vinyl Chloride	2.25	62	48400	24.654	ug/l	99
5) Bromomethane	2.64	94	31353	29.732	ug/l	92
6) Chloroethane	2.79	64	29697	26.184	ug/l	96
7) Trichlorofluoromethane	3.13	101	59506	21.776	ug/l	100
8) Diethyl Ether	3.53	74	25154	23.690	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	38058	21.637	ug/l	100
10) Methyl Iodide	4.10	142	51435	21.364	ug/l	100
11) Tert butyl alcohol	4.97	59	27106	144.905	ug/l #	73
12) 1,1-Dichloroethene	3.88	96	40057	22.259	ug/l	98
13) Acrolein	3.73	56	21743	129.114	ug/l	100
14) Allyl chloride	4.49	41	68003	22.390	ug/l	99
15) Acrylonitrile	5.18	53	64679	121.797	ug/l	99
16) Acetone	3.96	43	52237	120.980	ug/l	96
17) Carbon Disulfide	4.19	76	130184	22.352	ug/l	100
18) Methyl Acetate	4.49	43	33098	23.185	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	117708	23.647	ug/l	96
20) Methylene Chloride	4.72	84	53589	23.730	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	46931	23.000	ug/l	97
22) Diisopropyl ether	6.13	45	141578	22.823	ug/l	96
23) Vinyl Acetate	6.07	43	472211	119.024	ug/l	98
24) 1,1-Dichloroethane	6.02	63	78020	22.973	ug/l	99
25) 2-Butanone	7.00	43	86057	128.060	ug/l	97
26) 2,2-Dichloropropane	6.99	77	68592	21.964	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	52484	23.474	ug/l	100
28) Bromochloromethane	7.35	49	27221	19.519	ug/l	100
29) Tetrahydrofuran	7.36	42	56668	123.050	ug/l	97
30) Chloroform	7.52	83	76858	23.097	ug/l	97
31) Cyclohexane	7.79	56	77622	21.587	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	64476	21.838	ug/l	99
36) 1,1-Dichloropropene	7.93	75	61204	21.744	ug/l	100
37) Ethyl Acetate	7.08	43	37888	22.936	ug/l	99
38) Carbon Tetrachloride	7.91	117	55255	21.420	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	79582	20.855	ug/l	98
40) Benzene	8.16	78	187282	22.794	ug/l	99
41) Methacrylonitrile	7.33	41	18393m	23.704	ug/l	
42) 1,2-Dichloroethane	8.24	62	51929	22.571	ug/l	99
43) Isopropyl Acetate	8.28	43	73239	23.186	ug/l	99
44) Trichloroethene	8.94	130	49221	22.990	ug/l	97
45) 1,2-Dichloropropane	9.22	63	46583	22.933	ug/l	96
46) Dibromomethane	9.31	93	25173	22.713	ug/l	100
47) Bromodichloromethane	9.50	83	60457	22.383	ug/l	99
48) Methyl methacrylate	9.30	41	33203	22.715	ug/l	98
49) 1,4-Dioxane	9.30	88	7206	533.897	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	185130	115.505	ug/l	100
52) Toluene	10.24	92	116361	22.204	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	67133	22.212	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	76563	22.468	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	37316	22.712	ug/l	96
56) Ethyl methacrylate	10.51	69	56560	22.504	ug/l	99
57) 1,3-Dichloropropane	10.79	76	64498	22.866	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	97935	110.792	ug/l	100
59) 2-Hexanone	10.83	43	133145	118.532	ug/l	98
60) Dibromochloromethane	10.99	129	42563	22.499	ug/l	99
61) 1,2-Dibromoethane	11.08	107	35861	22.353	ug/l	99
64) Tetrachloroethene	10.72	164	38911	21.696	ug/l	95
65) Chlorobenzene	11.52	112	123289	22.177	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	43292	22.594	ug/l	98
67) Ethyl Benzene	11.59	91	225540	22.178	ug/l	99
68) m/p-Xylenes	11.70	106	172364	44.929	ug/l	99
69) o-Xylene	12.03	106	82443	22.414	ug/l	97
70) Styrene	12.04	104	143391	22.218	ug/l	98
71) Bromoform	12.20	173	25874	21.897	ug/l #	99
73) Isopropylbenzene	12.33	105	216770	21.804	ug/l	100
74) N-amyl acetate	12.14	43	69798	22.496	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	47480	22.699	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	30313m	21.412	ug/l	
77) Bromobenzene	12.61	156	48674	22.157	ug/l	97
78) n-propylbenzene	12.67	91	262537	21.954	ug/l	100
79) 2-Chlorotoluene	12.75	91	149694	21.796	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	182392	21.987	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	17764	21.278	ug/l #	94
82) 4-Chlorotoluene	12.85	91	155975	21.273	ug/l	98
83) tert-Butylbenzene	13.07	119	151246	21.699	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	182974	22.212	ug/l	99
85) sec-Butylbenzene	13.25	105	221626	22.102	ug/l	100
86) p-Isopropyltoluene	13.37	119	194689	22.362	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	96149	23.143	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	95138	22.250	ug/l	100
89) n-Butylbenzene	13.69	91	194801	22.215	ug/l	99
90) Hexachloroethane	13.95	117	36504	21.458	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	88005	22.792	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	8153	21.608	ug/l	98

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ClientSampleId :
VY0115SBSD01

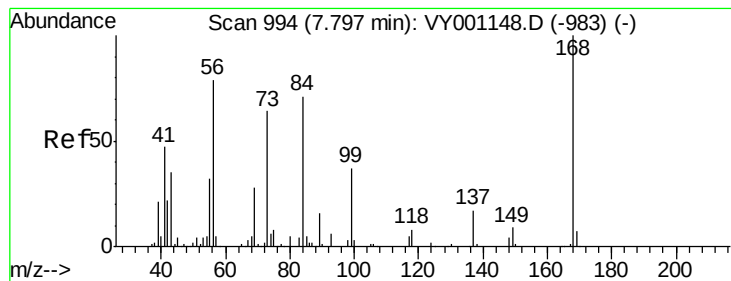
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	59456	23.371	ug/l	99
94) Hexachlorobutadiene	15.11	225	29420	22.955	ug/l	99
95) Naphthalene	15.23	128	136774	23.094	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	52674	23.493	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion:168 Resp: 176031

Ion Ratio Lower Upper

168 100

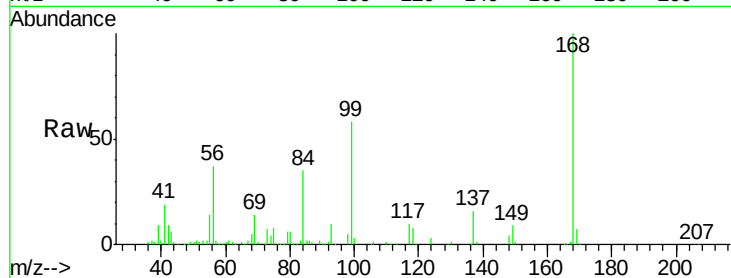
99 58.0 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

80000

60000

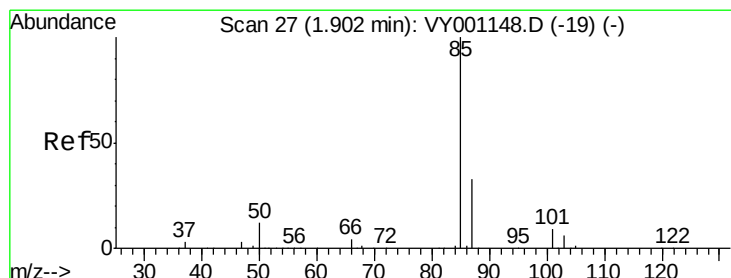
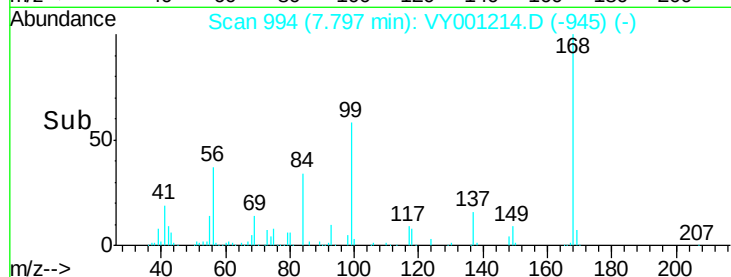
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 23.889 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001214.D

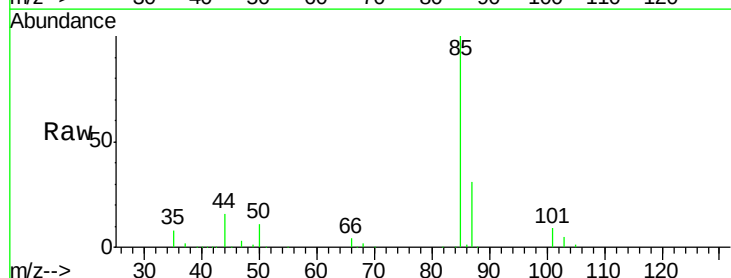
Acq: 15 Jan 2020 13:48

Tgt Ion: 85 Resp: 32295

Ion Ratio Lower Upper

85 100

87 30.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

25000

20000

15000

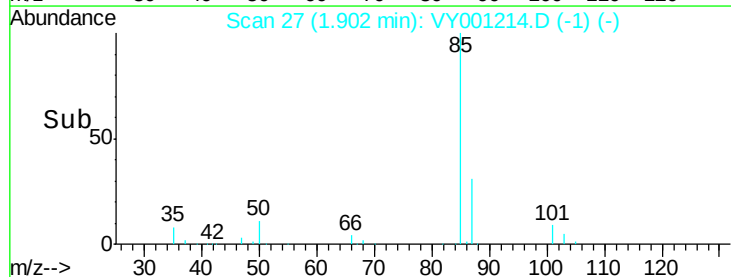
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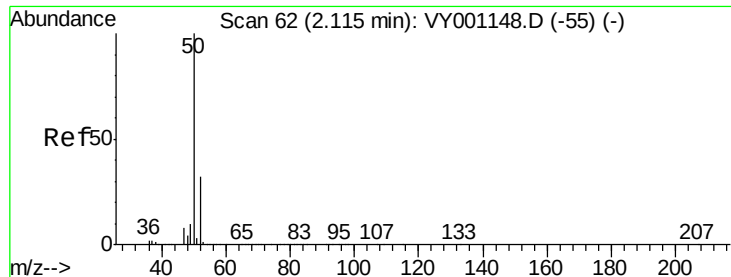
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 22.927 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion: 50 Resp: 44677

Ion Ratio Lower Upper

50 100

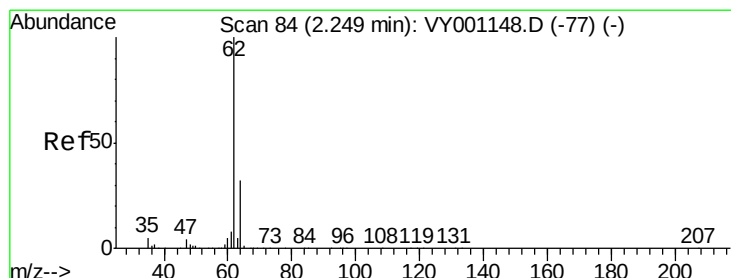
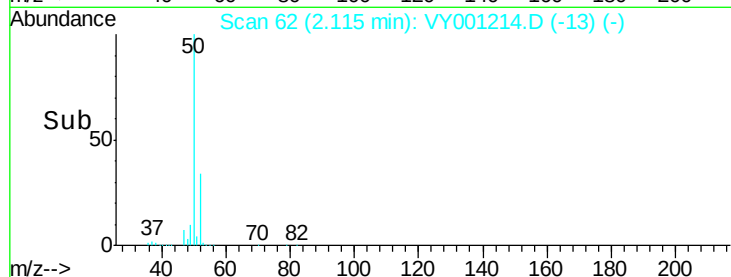
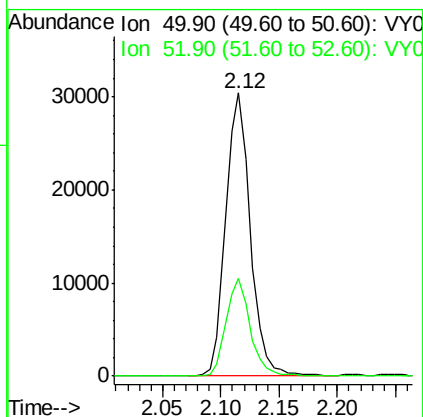
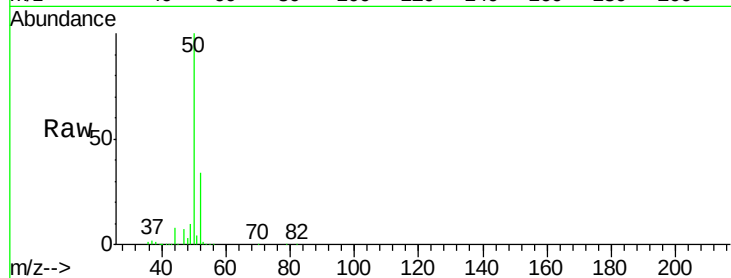
52 34.4 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.654 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY001214.D

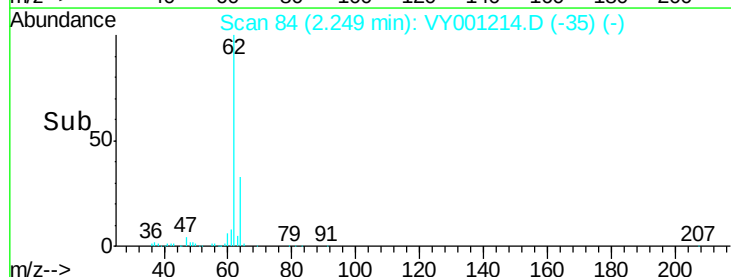
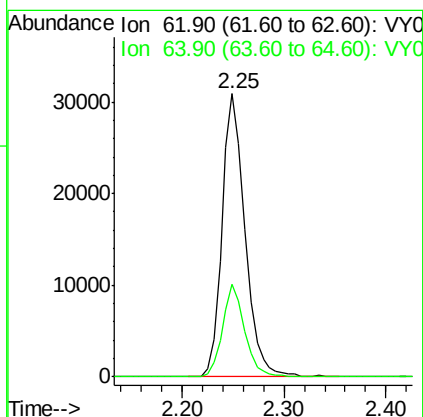
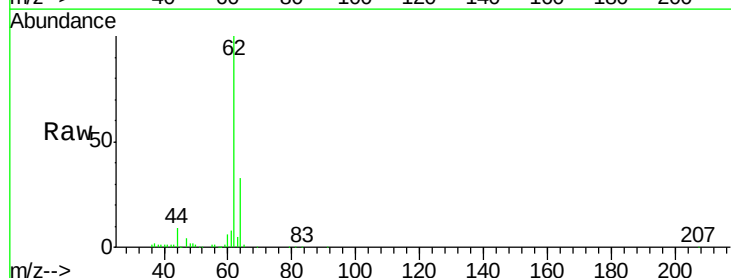
Acq: 15 Jan 2020 13:48

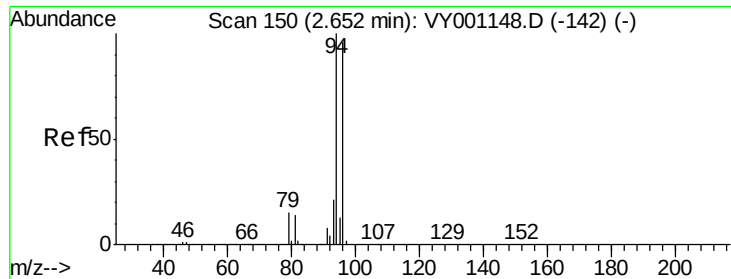
Tgt Ion: 62 Resp: 48400

Ion Ratio Lower Upper

62 100

64 32.9 25.8 38.8





#5

Bromomethane

Concen: 29.732 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion: 94 Resp: 31353

Ion Ratio Lower Upper

94 100

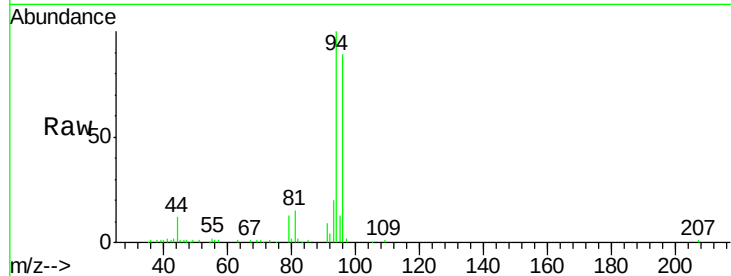
96 88.7 77.3 115.9

Manual Integrations

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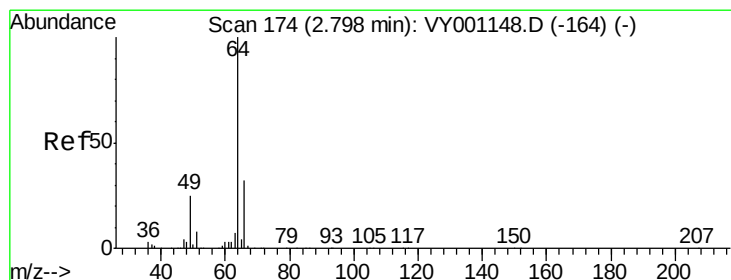
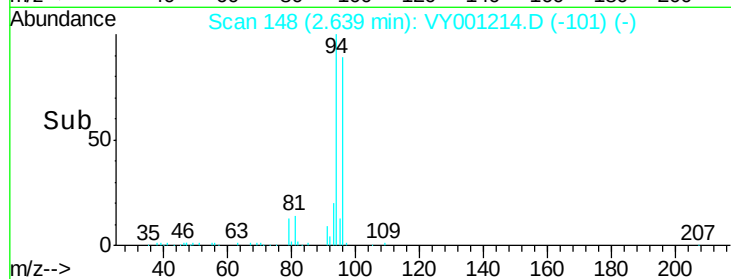
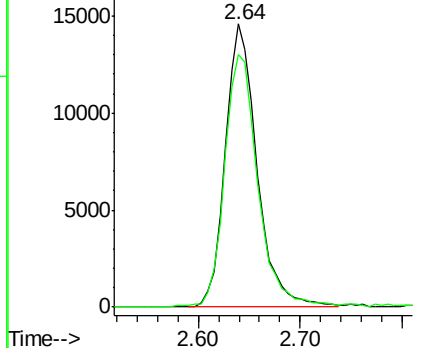
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 26.184 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY001214.D

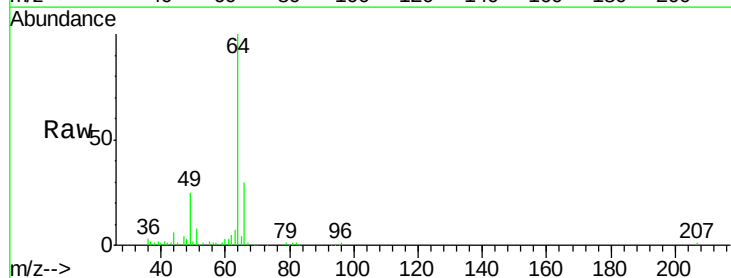
Acq: 15 Jan 2020 13:48

Tgt Ion: 64 Resp: 29697

Ion Ratio Lower Upper

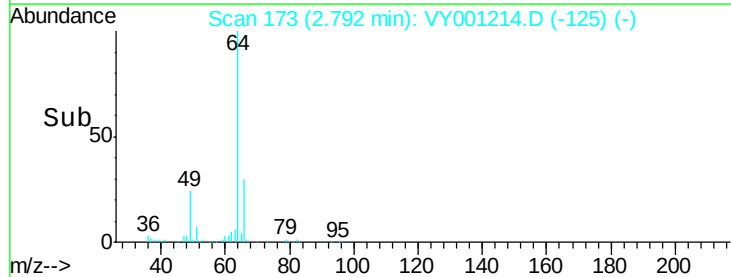
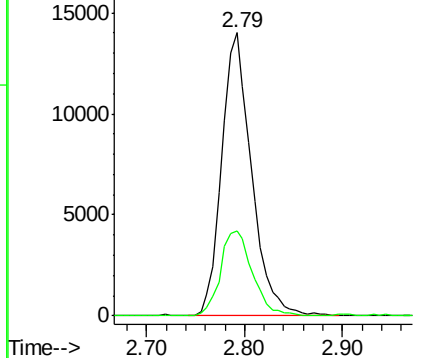
64 100

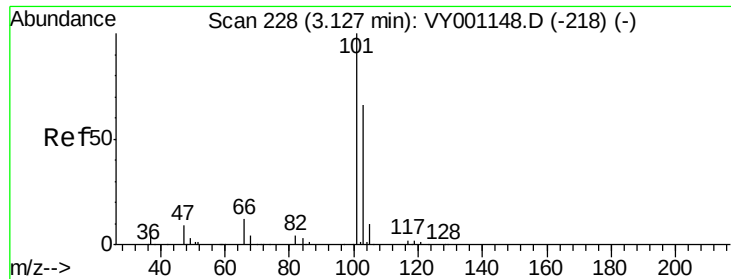
66 29.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

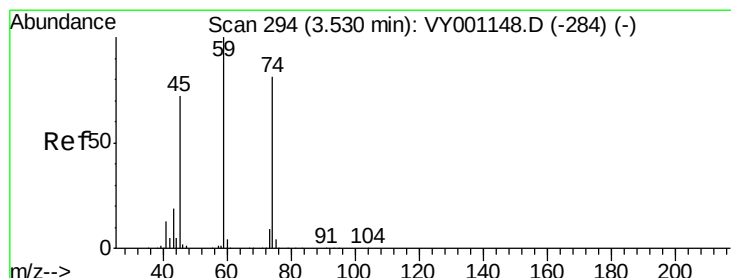
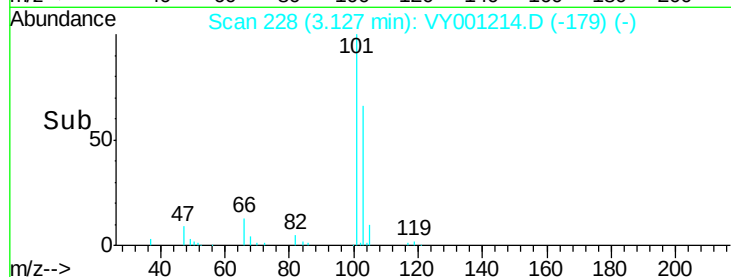
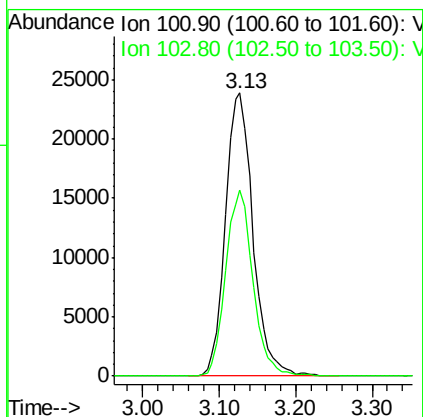
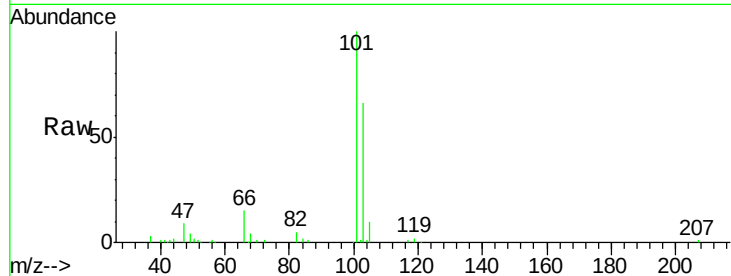
Trichlorofluoromethane
Concen: 21.776 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

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ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	79.0

Manual Integrations
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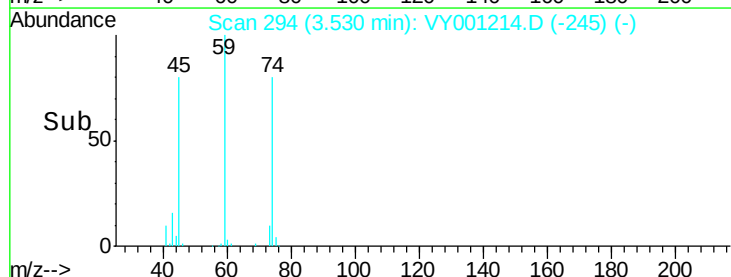
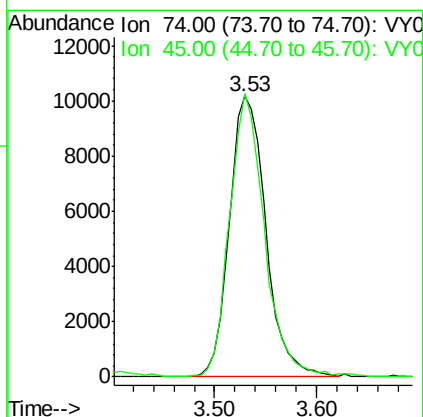
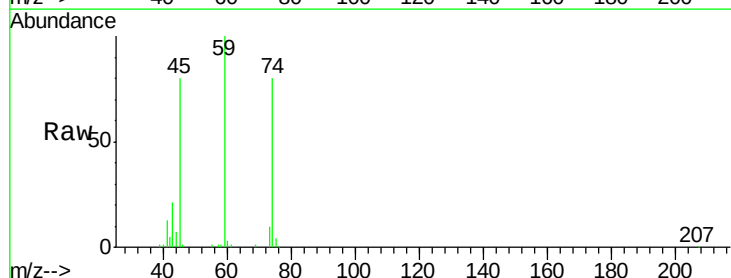
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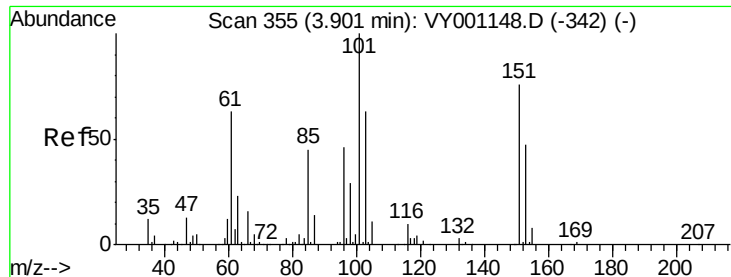


#8

Diethyl Ether
Concen: 23.690 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	45.5	136.5





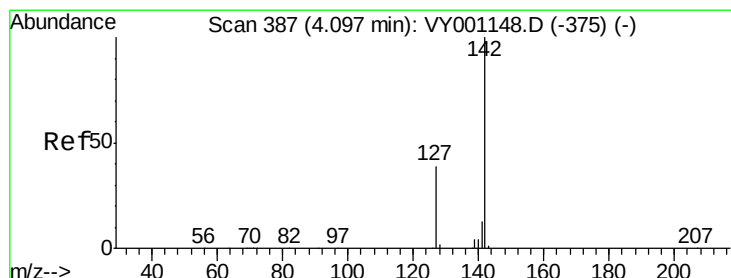
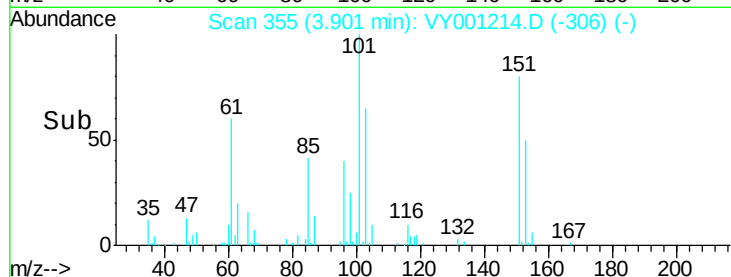
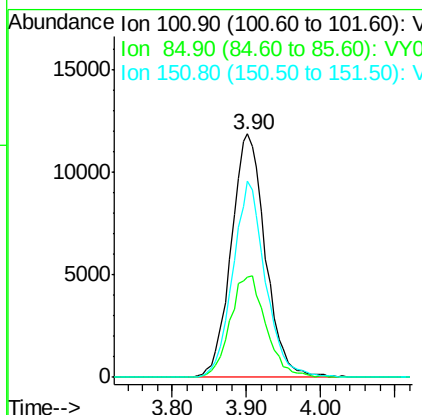
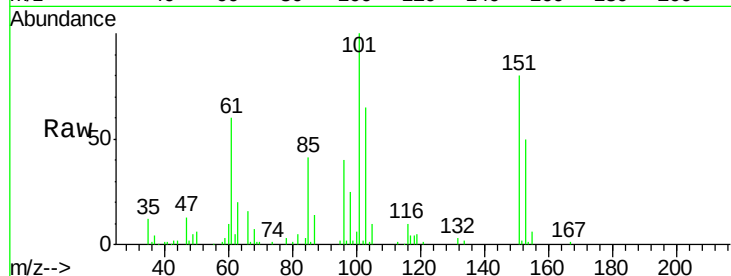
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.637 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
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 VY0115SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	38058		
85	43.5		35.2	52.8
151	76.8		61.4	92.2

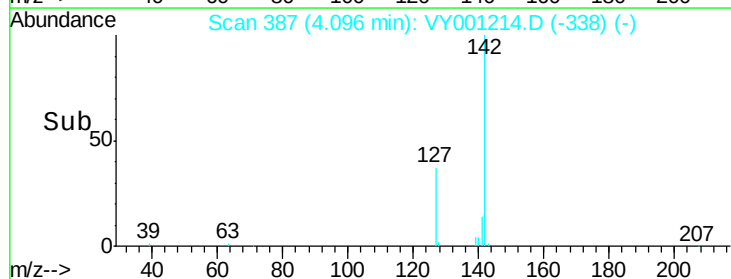
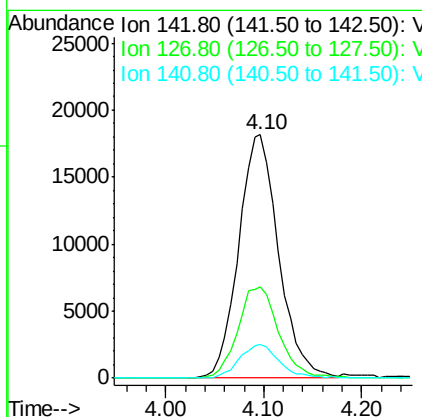
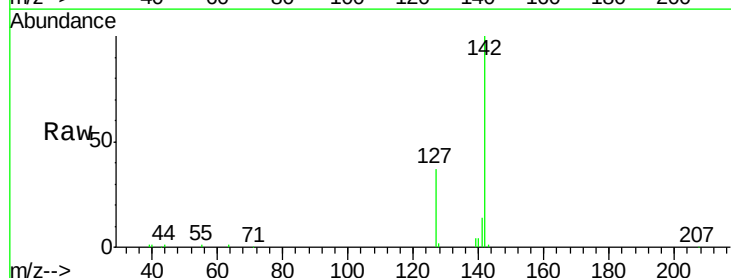
Manual Integrations
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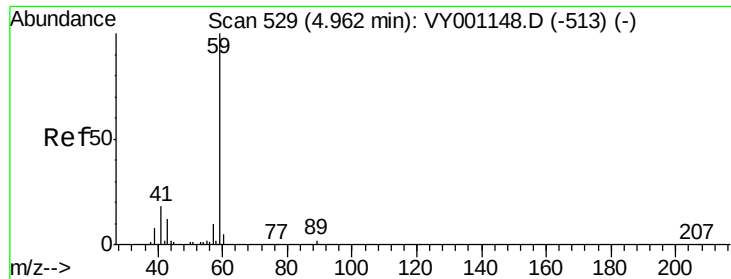
MMDadoda
 1/16/2020 9:36:20 AM



#10
 Methyl Iodide
 Concen: 21.364 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	51435		
127	38.4		30.8	46.2
141	13.6		11.0	16.4





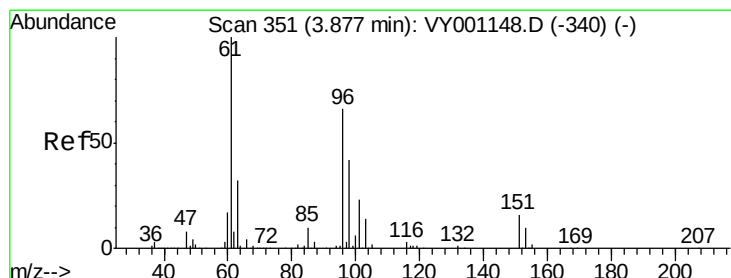
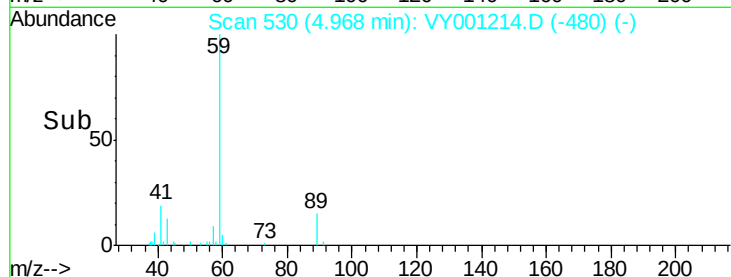
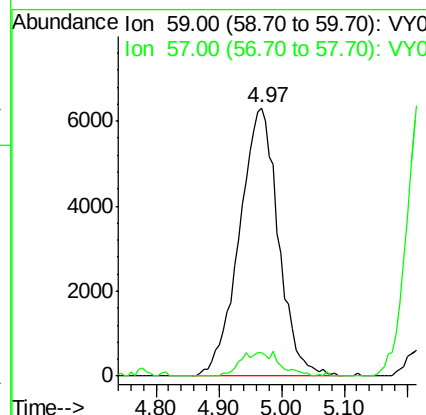
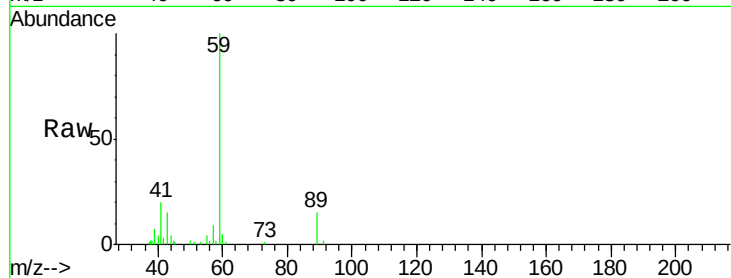
#11
Tert butyl alcohol
Concen: 144.905 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

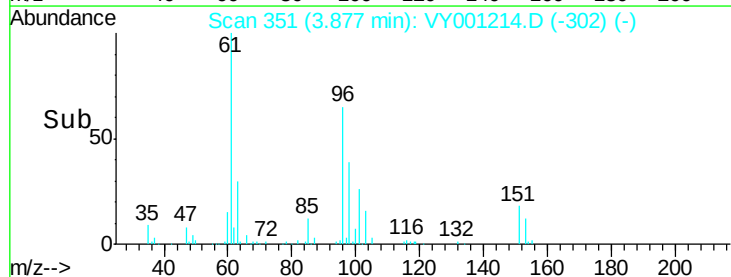
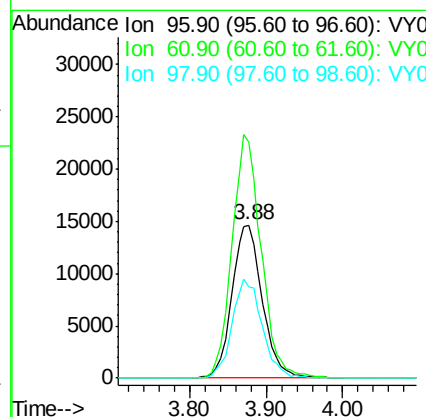
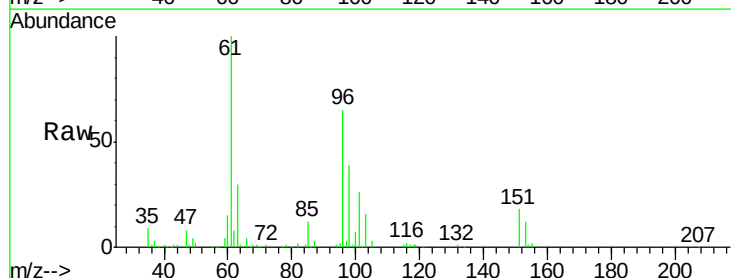
Manual Integrations
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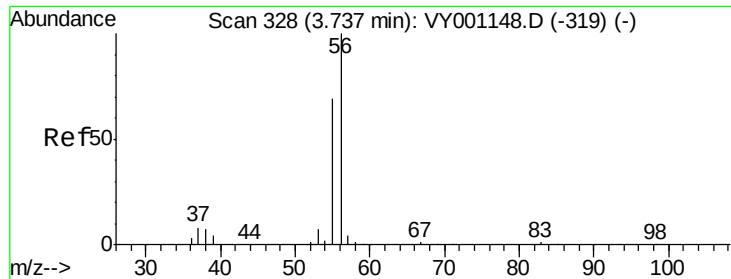
MMDadoda
1/16/2020 9:36:20 AM



#12
1,1-Dichloroethene
Concen: 22.259 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	122.1	183.1
98	59.6	51.0	76.6





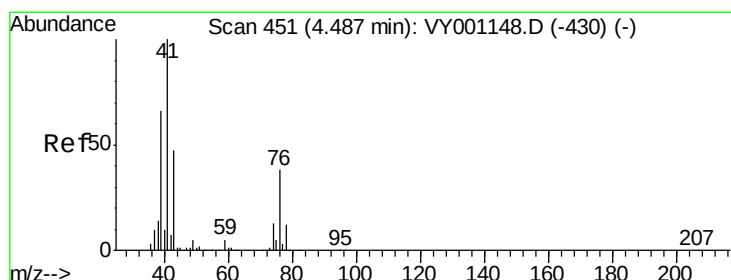
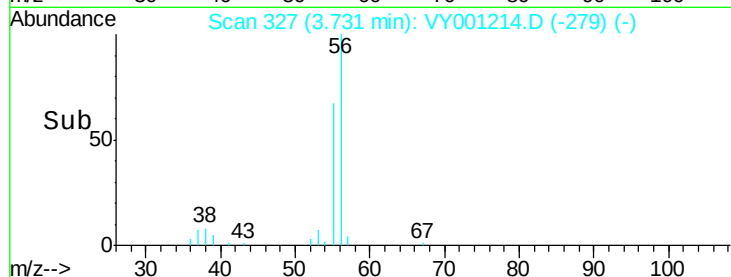
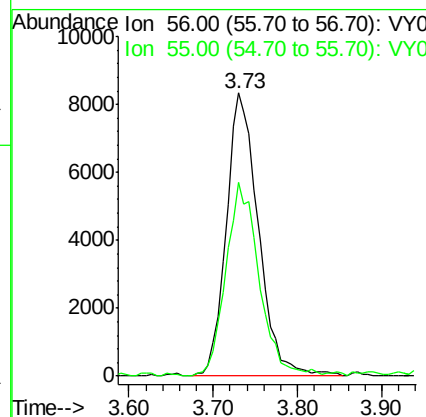
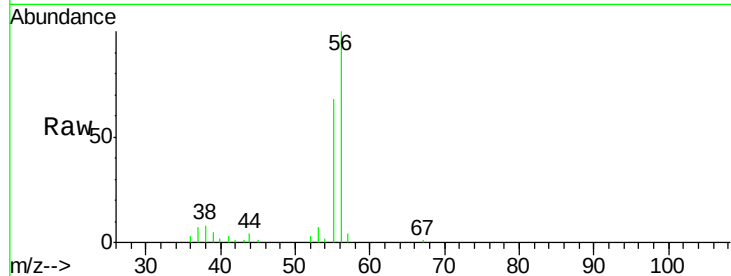
#13
Acrolein
Concen: 129.114 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.01 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.9	56.7	85.1	

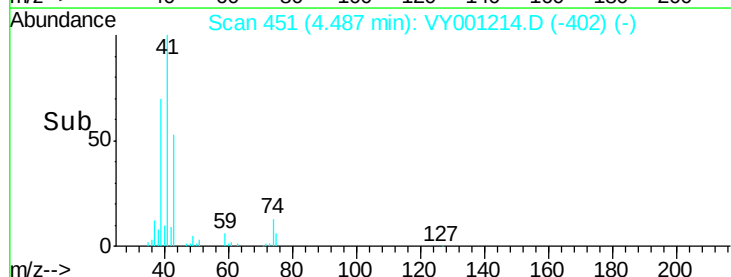
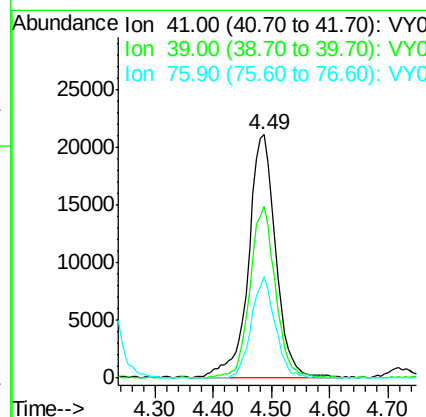
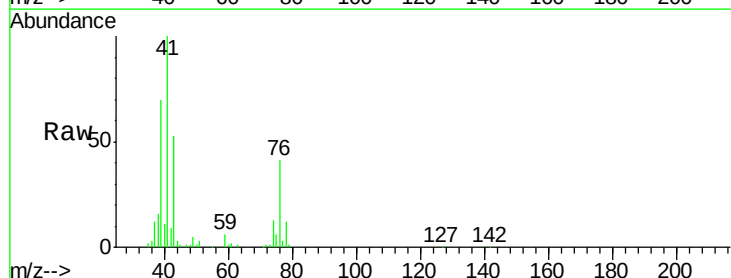
Manual Integrations
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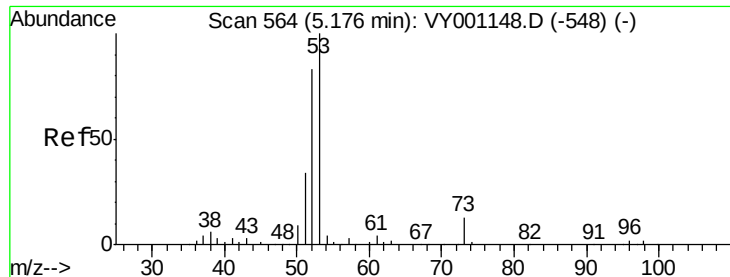
MMDadoda
1/16/2020 9:36:20 AM



#14
Allyl chloride
Concen: 22.390 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.7	52.6	78.8	
76	36.8	30.2	45.2	





#15

Acrylonitrile

Concen: 121.797 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

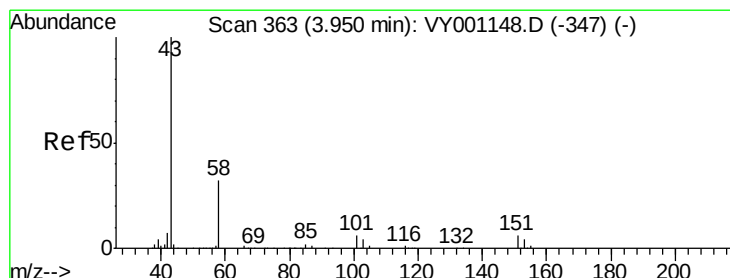
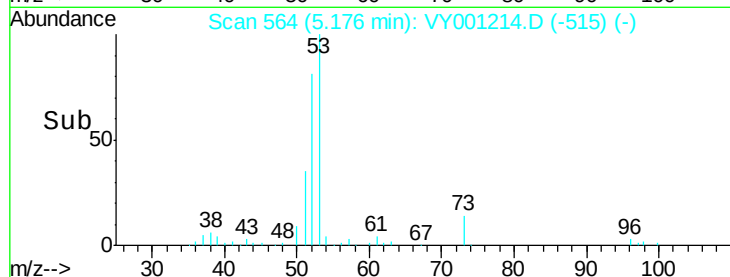
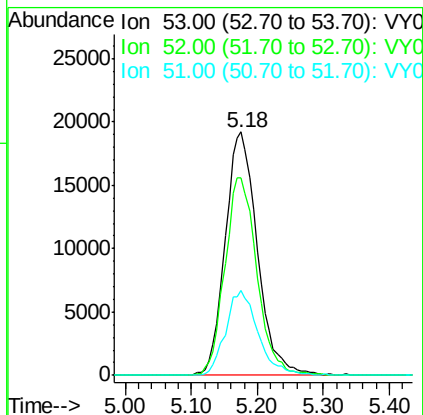
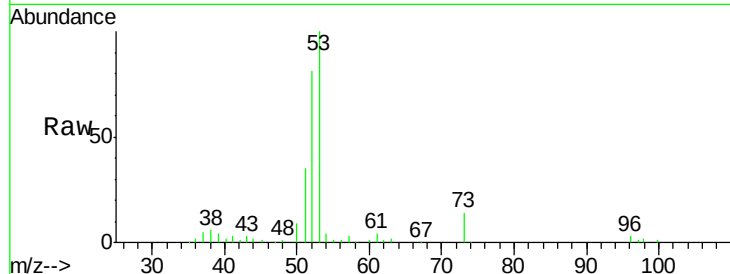
ClientSampleId :

VY0115SBS01

Tot Ion:	53	Resp:	64679
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.7	98.5
51	35.1	28.7	43.1

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 120.980 ug/l

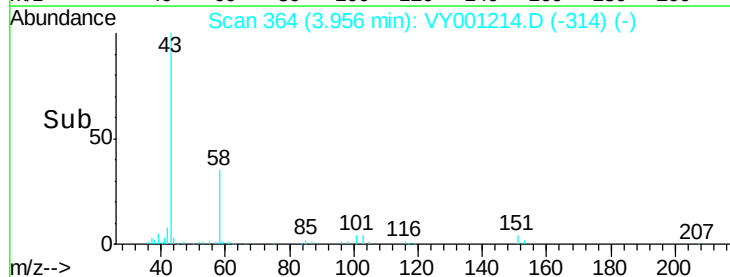
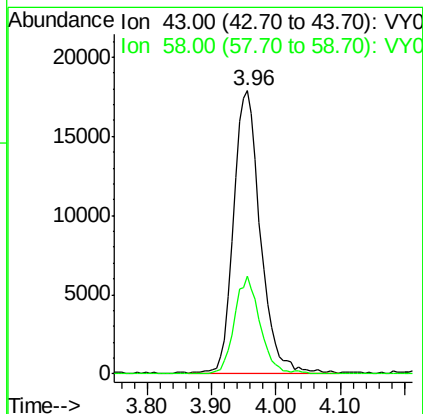
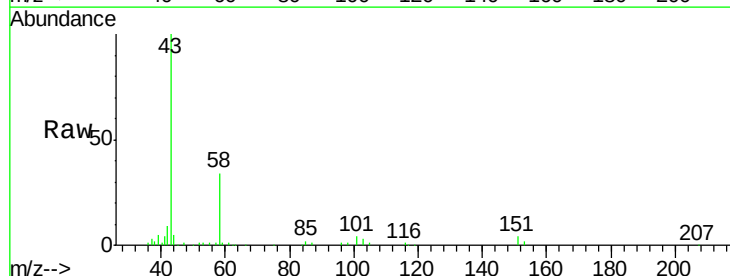
RT: 3.96 min Scan# 364

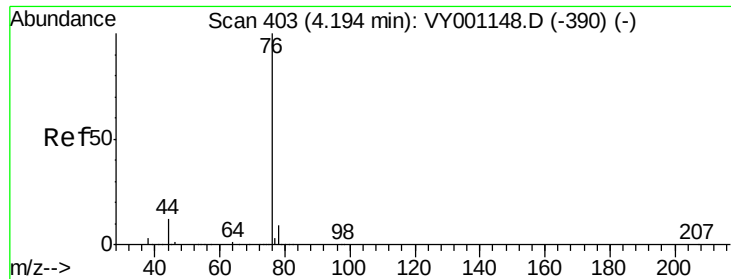
Delta R.T. 0.01 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Tgt Ion:	43	Resp:	52237
Ion	Ratio	Lower	Upper
43	100		
58	34.4	25.8	38.6





#17

Carbon Disulfide

Concen: 22.352 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion: 76 Resp: 130184

Ion Ratio Lower Upper

76 100

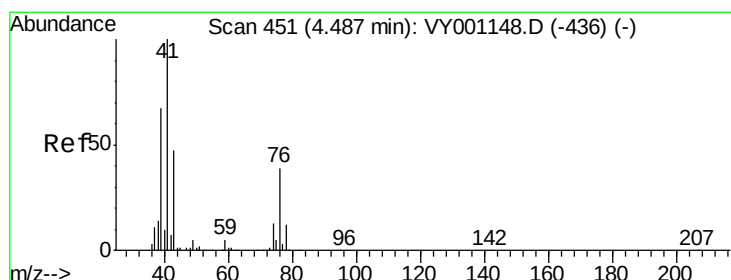
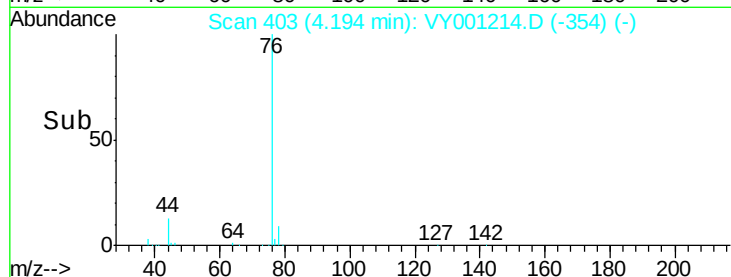
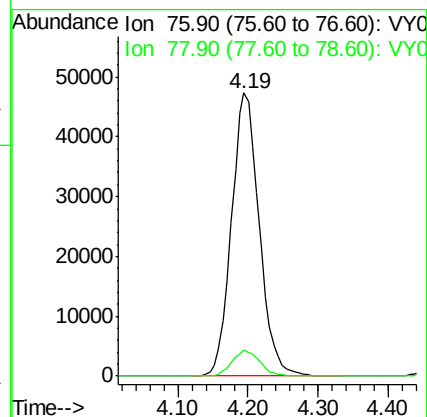
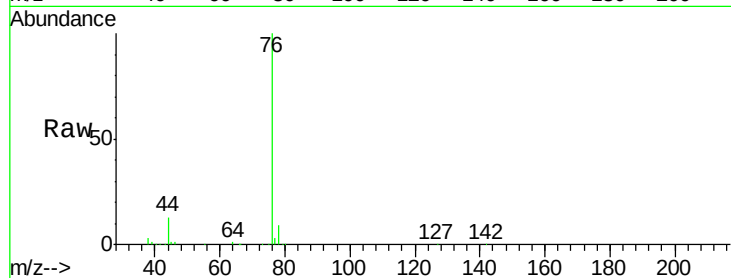
78 9.2 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 23.185 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001214.D

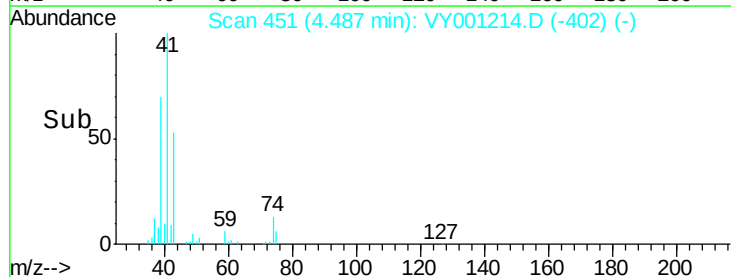
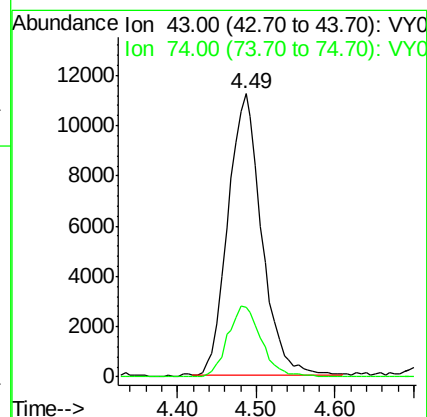
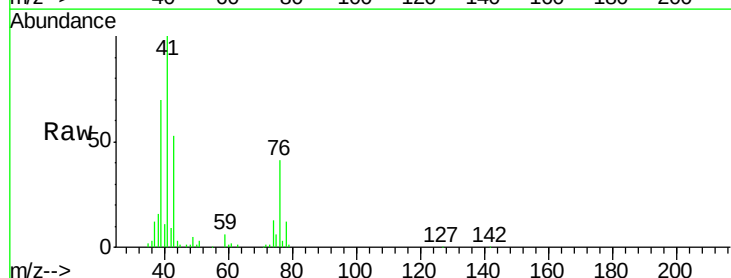
Acq: 15 Jan 2020 13:48

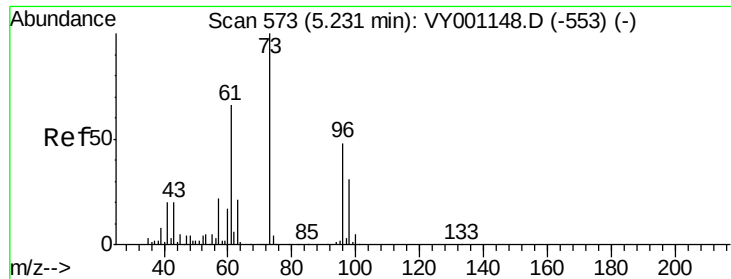
Tgt Ion: 43 Resp: 33098

Ion Ratio Lower Upper

43 100

74 25.3 20.2 30.2





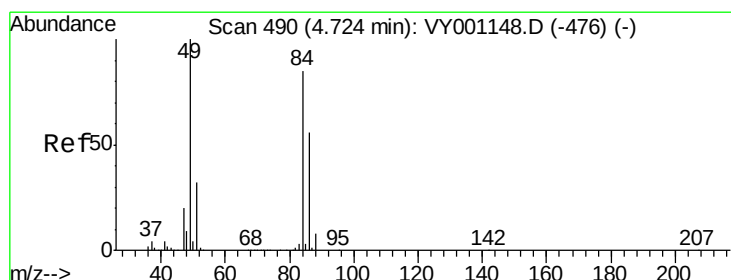
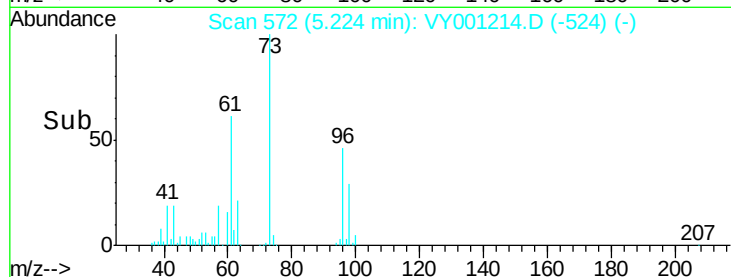
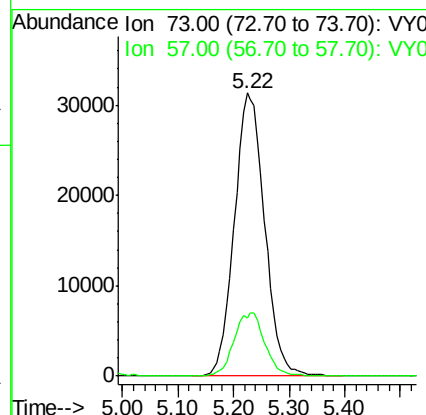
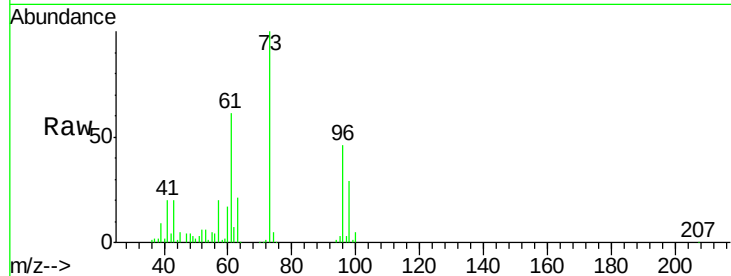
#19
Methyl tert-butyl Ether
Concen: 23.647 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion: 73 Resp: 117708
Ion Ratio Lower Upper
73 100
57 20.3 17.8 26.6

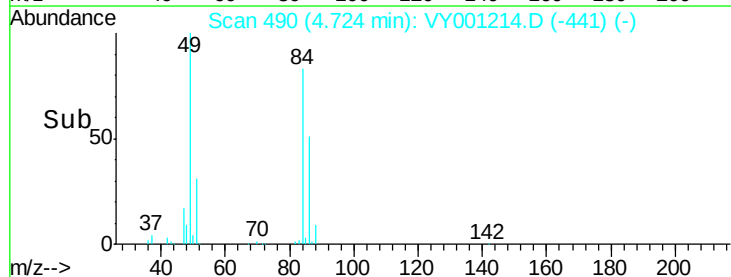
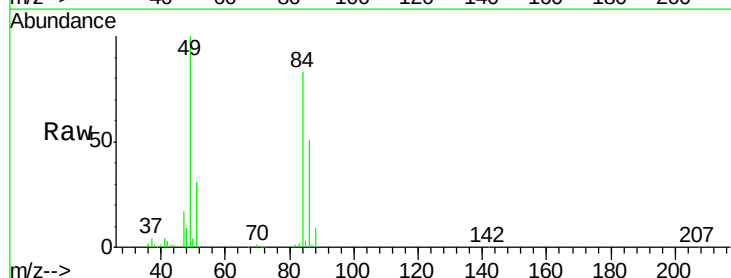
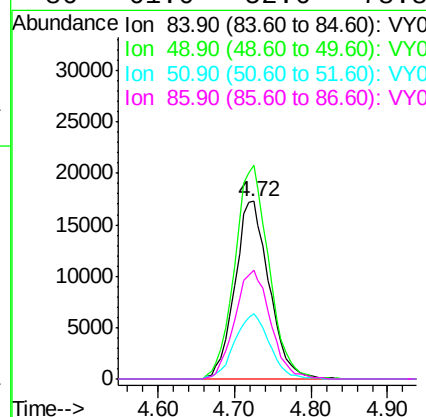
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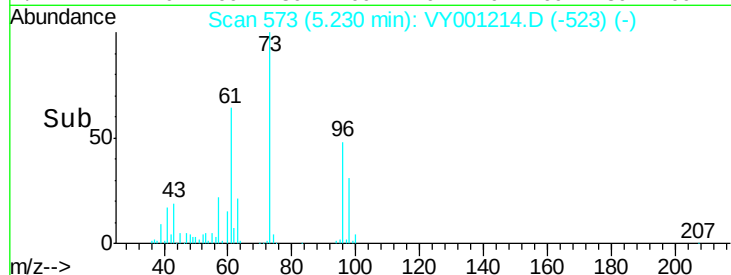
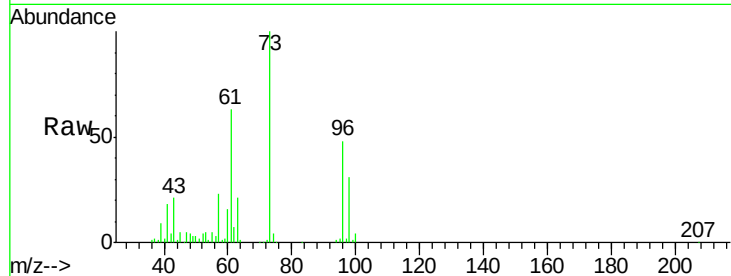
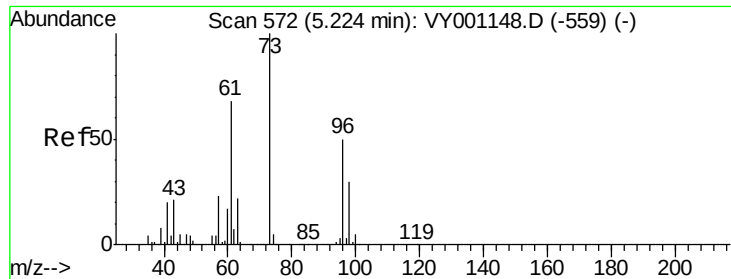
MMDadoda
1/16/2020 9:36:20 AM



#20
Methylene Chloride
Concen: 23.730 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion: 84 Resp: 53589
Ion Ratio Lower Upper
84 100
49 120.3 93.8 140.6
51 37.0 29.9 44.9
86 61.0 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 23.000 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001214.D

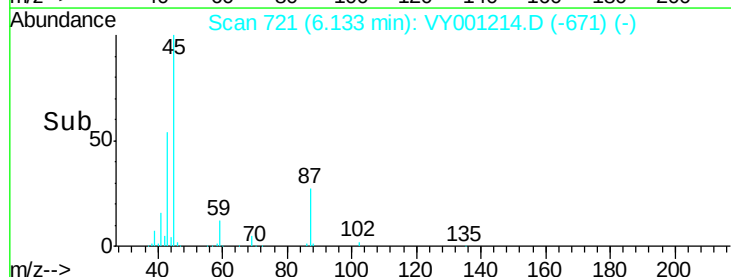
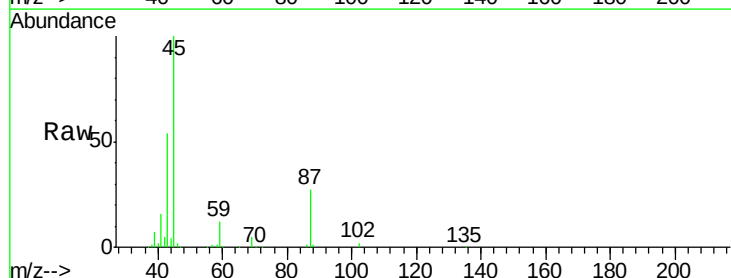
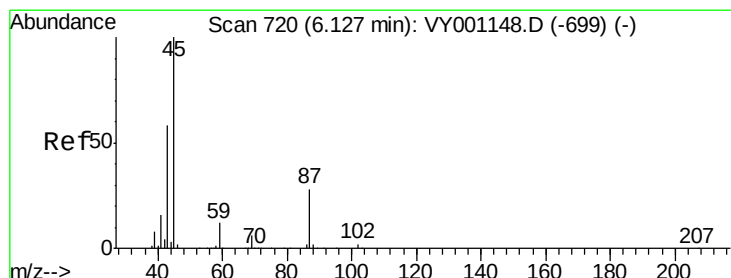
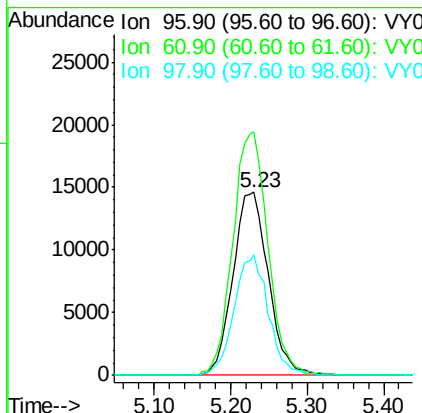
Acq: 15 Jan 2020 13:48

Tot Ion:	96	Resp:	46931
Ion	Ratio	Lower	Upper
96	100		
61	132.9	107.6	161.4
98	65.6	47.6	71.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

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#22

Diisopropyl ether

Concen: 22.823 ug/l

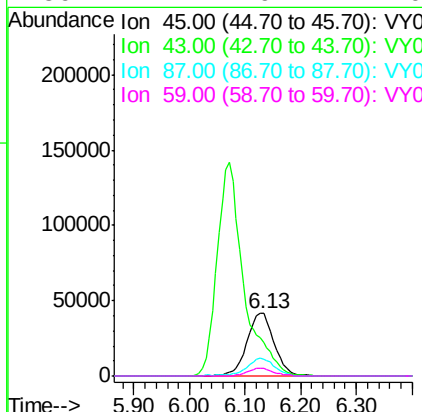
RT: 6.13 min Scan# 721

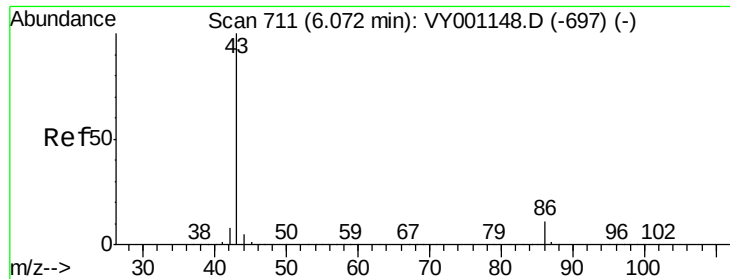
Delta R.T. 0.01 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Tgt Ion:	45	Resp:	141578
Ion	Ratio	Lower	Upper
45	100		
43	53.6	46.5	69.7
87	27.2	22.5	33.7
59	12.1	9.4	14.0





#23

Vinyl Acetate

Concen: 119.024 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion: 43 Resp: 472211

Ion Ratio Lower Upper

43 100

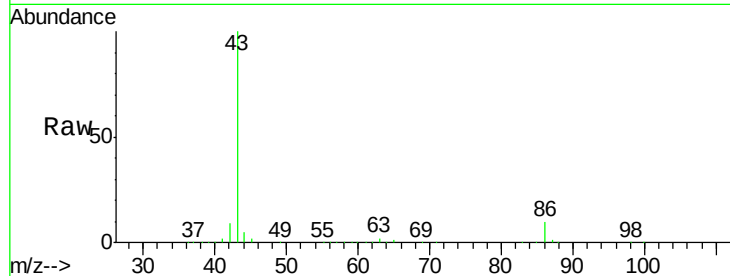
86 10.4 9.0 13.4

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

150000

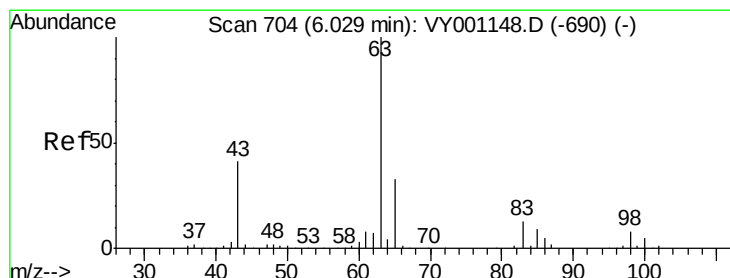
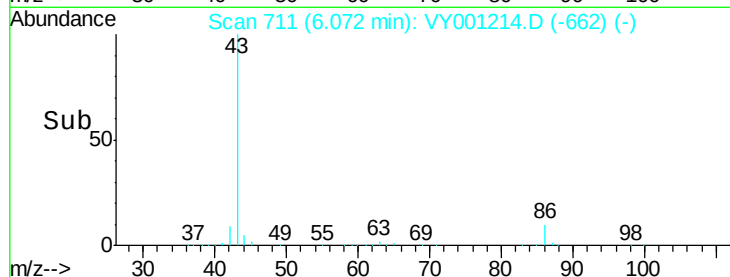
100000

50000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 22.973 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

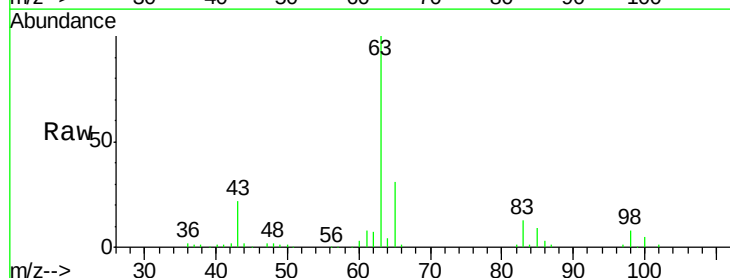
Tgt Ion: 63 Resp: 78020

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.7

100 5.4 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

6.02

30000

25000

20000

15000

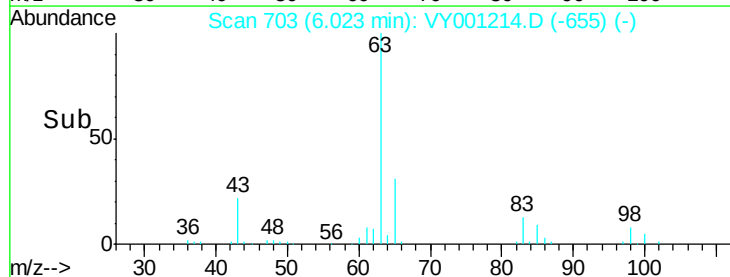
10000

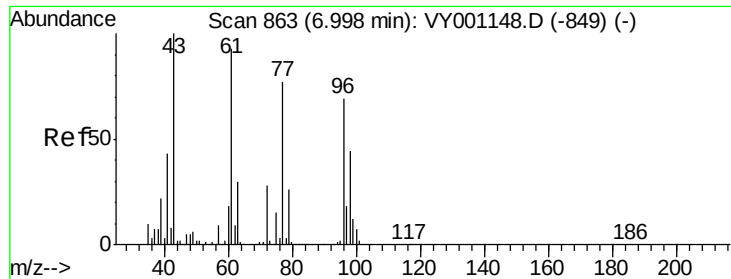
5000

0

5.90 6.10

Time-->





#25

2-Butanone

Concen: 128.060 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion: 43 Resp: 86057

Ion Ratio Lower Upper

43 100

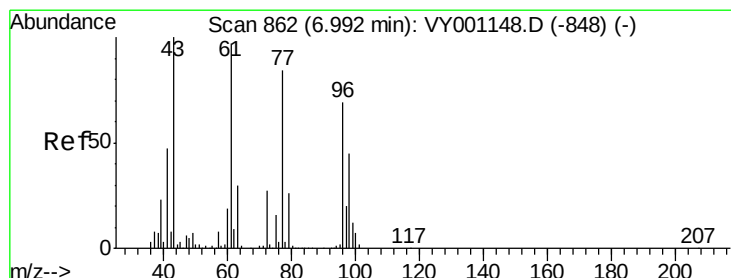
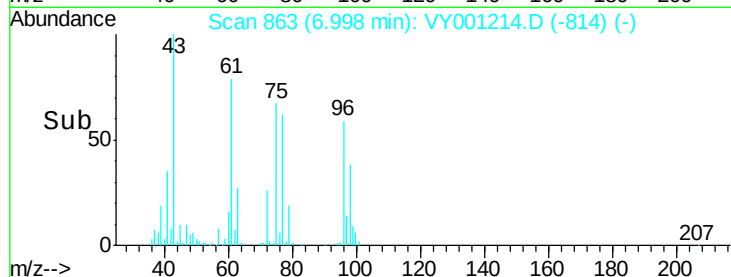
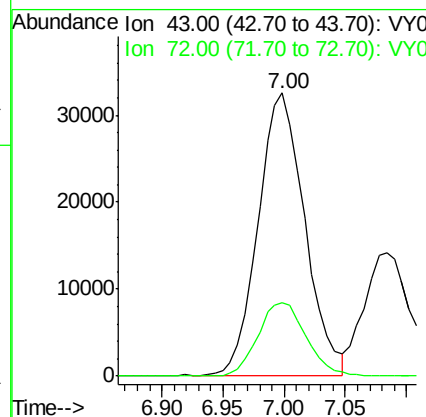
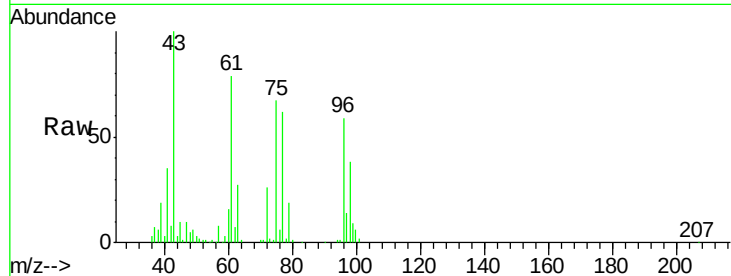
72 26.0 22.2 33.2

Manual Integrations

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MMDadoda

1/16/2020 9:36:20 AM



#26

2,2-Dichloropropane

Concen: 21.964 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001214.D

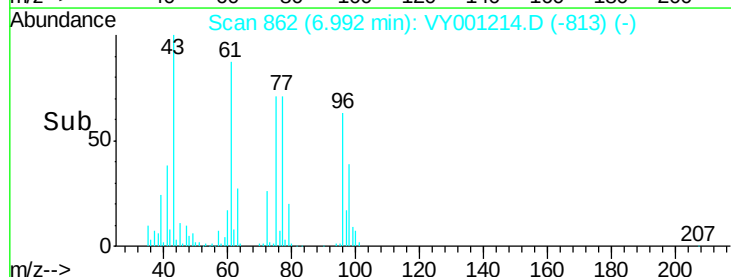
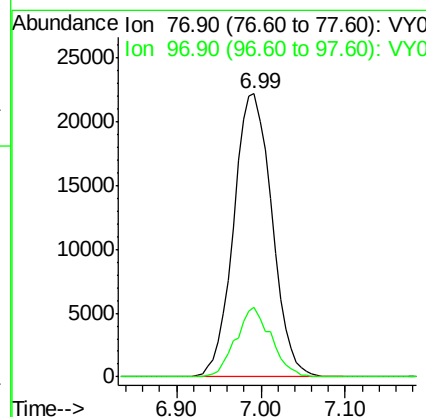
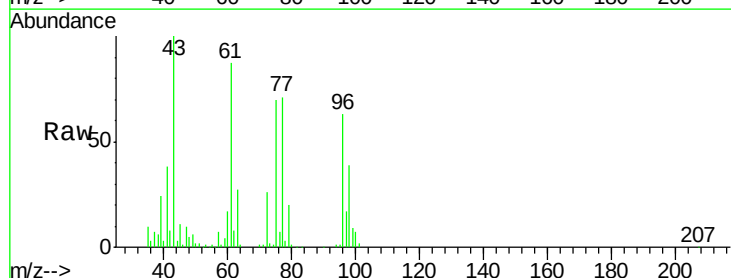
Acq: 15 Jan 2020 13:48

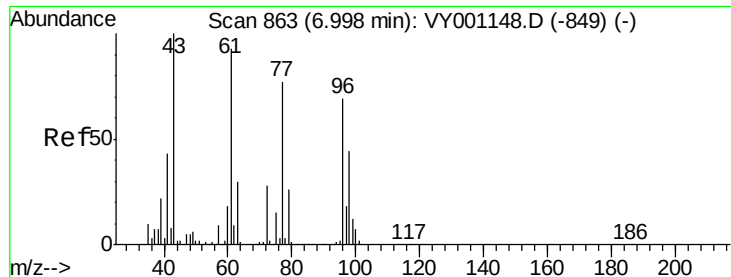
Tgt Ion: 77 Resp: 68592

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.7





#27

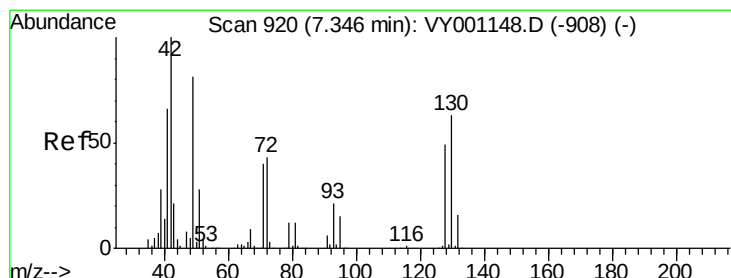
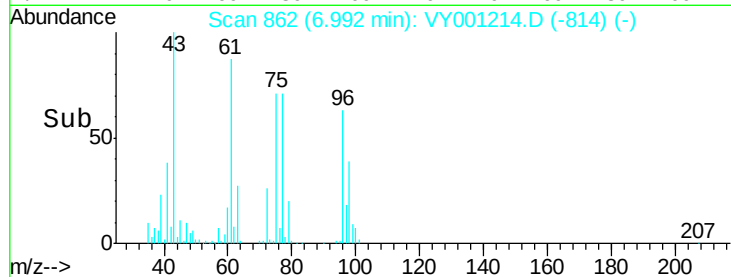
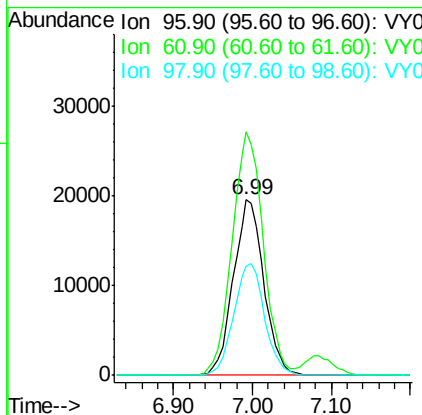
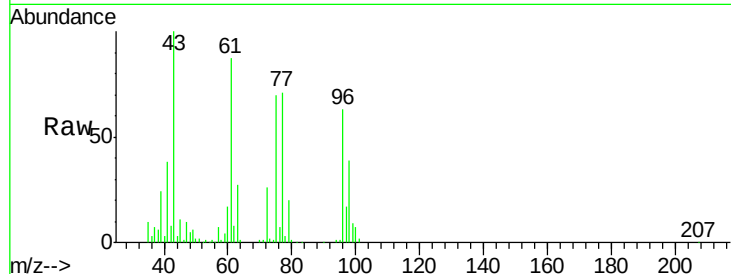
cis-1,2-Dichloroethene
 Concen: 23.474 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	284.0
98	64.4	0.0	130.2

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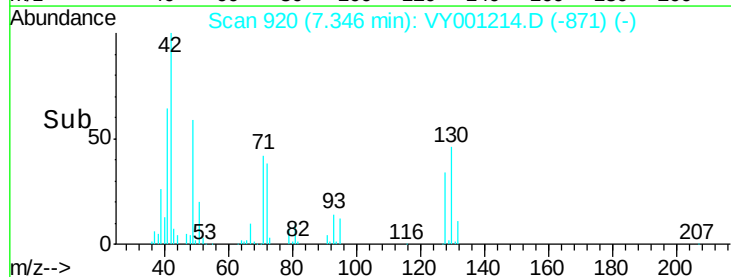
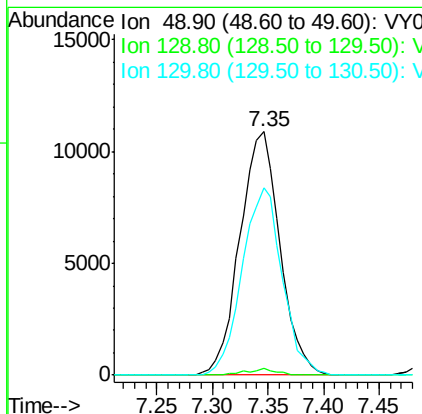
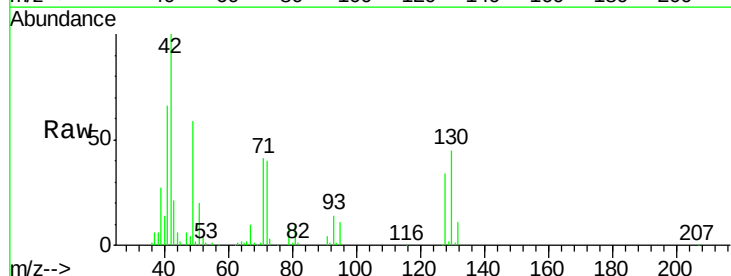
MMDadoda
 1/16/2020 9:36:20 AM

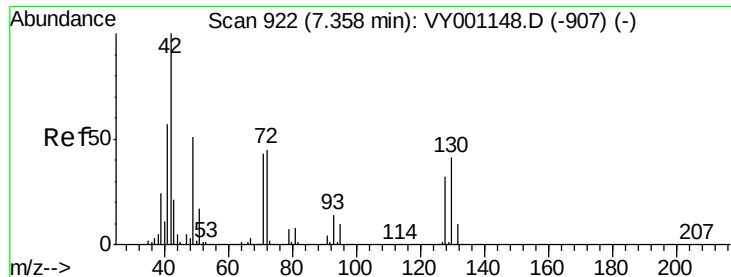


#28

Bromochloromethane
 Concen: 19.519 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	76.8	61.2	91.8





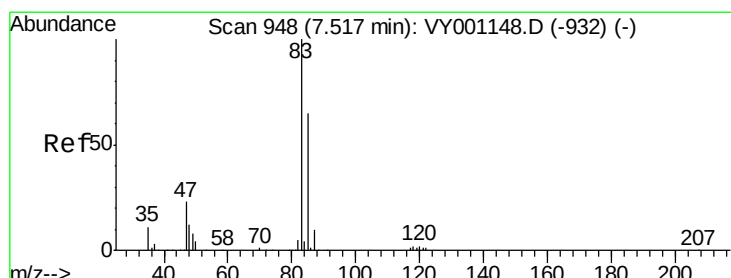
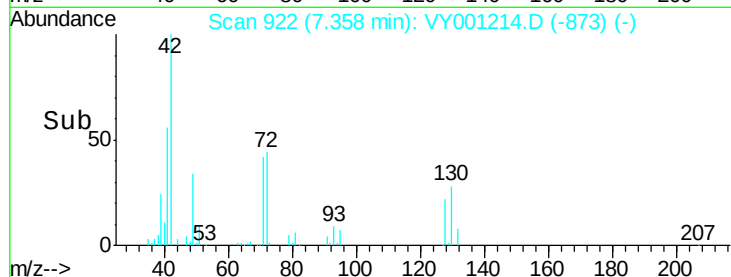
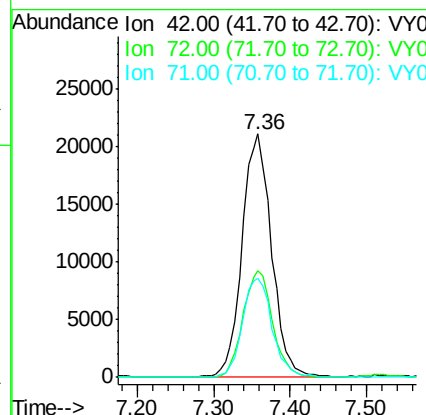
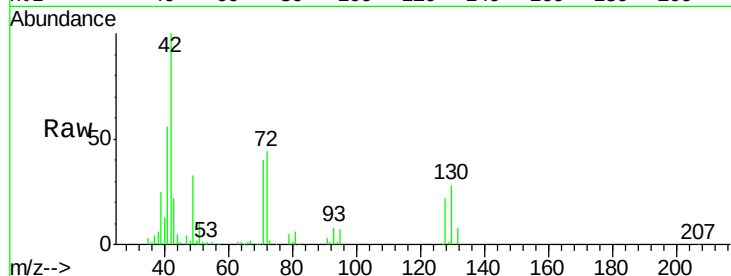
#29
Tetrahydrofuran
Concen: 123.050 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	36.9	55.3
71	40.7	34.0	51.0

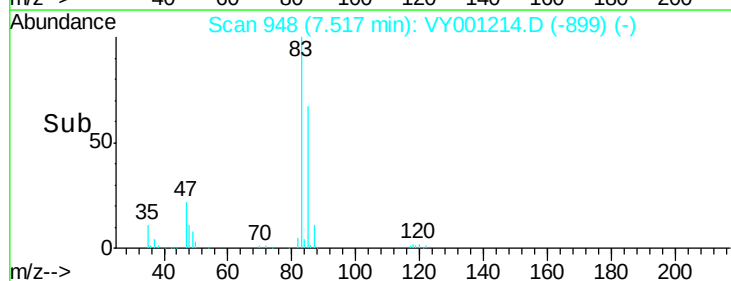
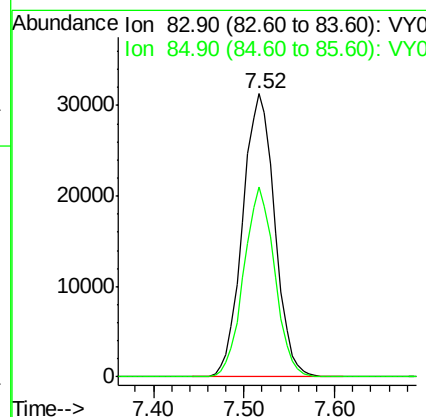
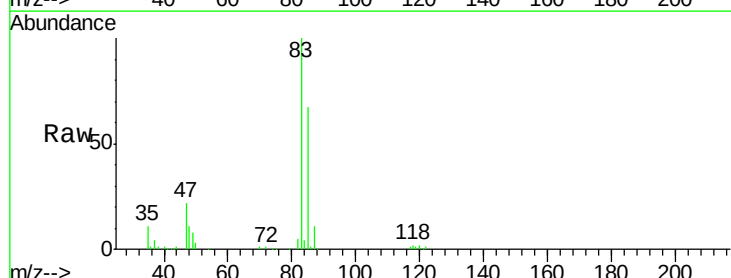
Manual Integrations
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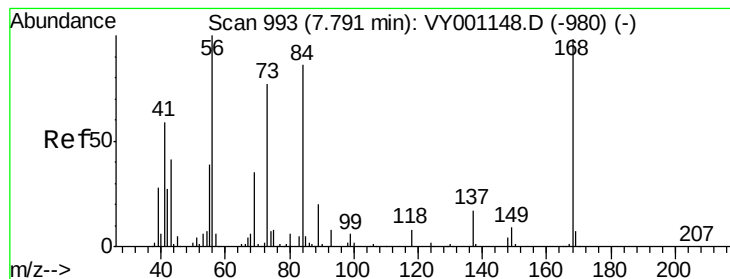
MMDadoda
1/16/2020 9:36:20 AM



#30
Chloroform
Concen: 23.097 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.9	77.9





#31

Cyclohexane

Concen: 21.587 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion: 56 Resp: 77622

Ion Ratio Lower Upper

56 100

69 35.9 27.8 41.8

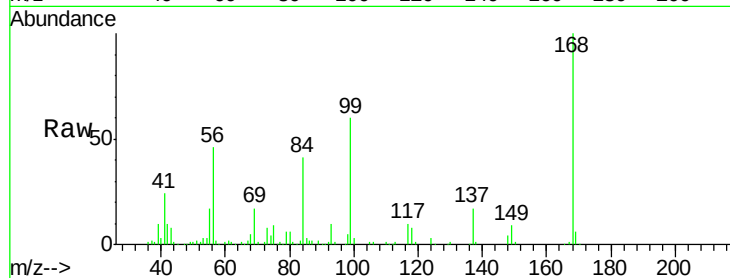
84 87.7 68.9 103.3

Manual Integrations

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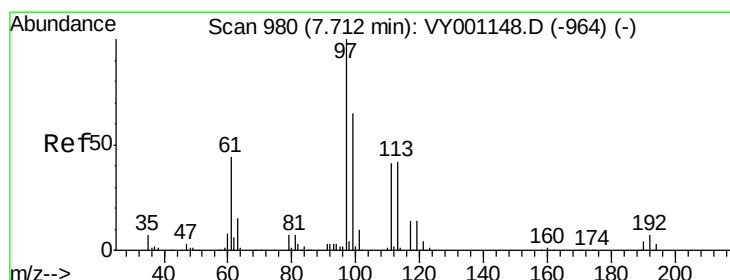
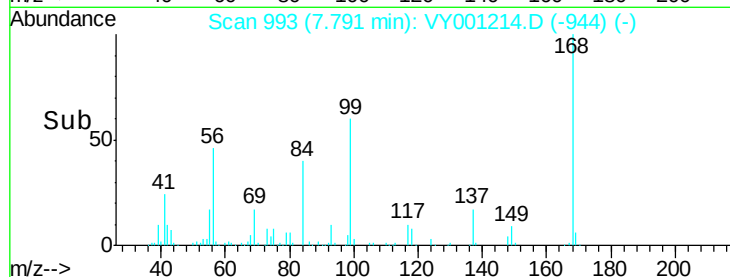
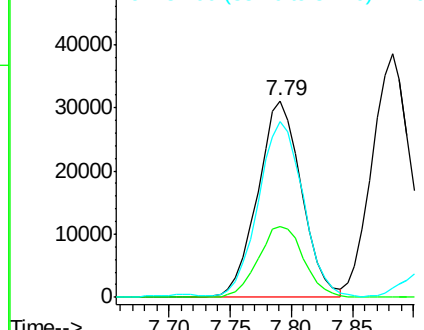


Abundance

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: 21.838 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

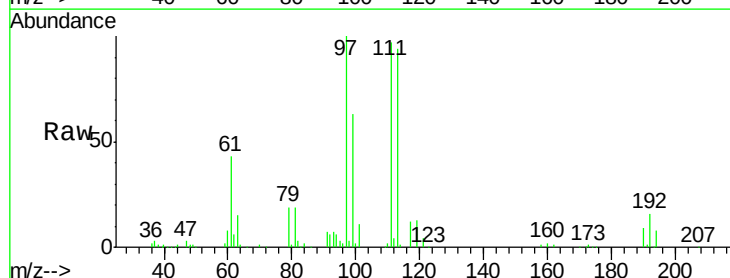
Tgt Ion: 97 Resp: 64476

Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

61 43.8 34.6 52.0

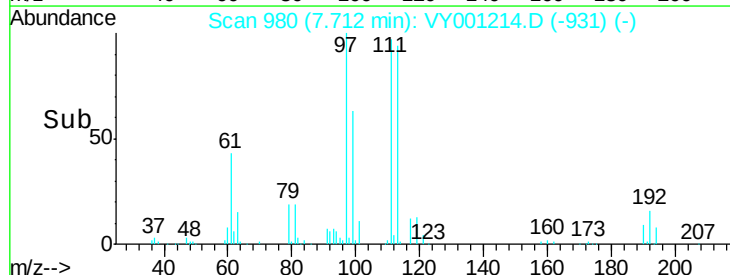
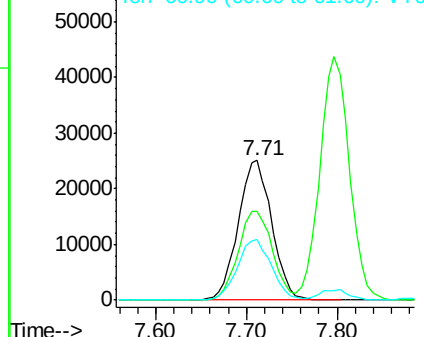


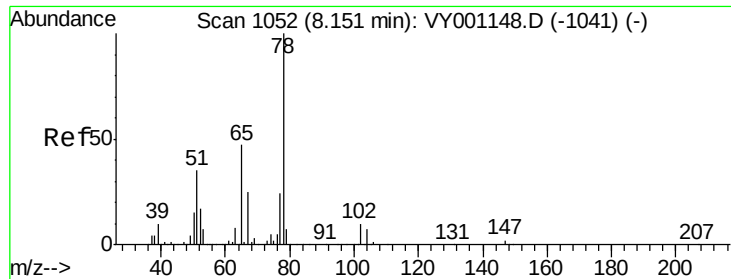
Abundance

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





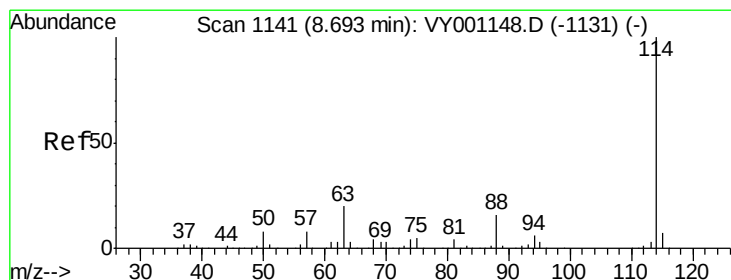
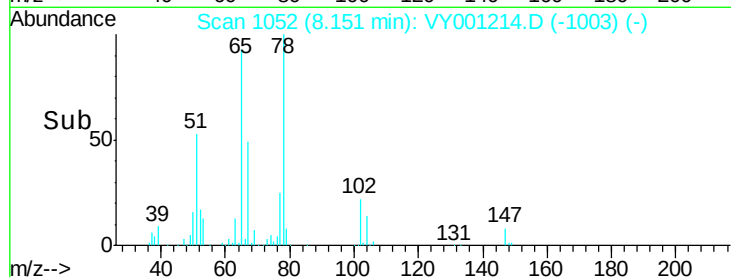
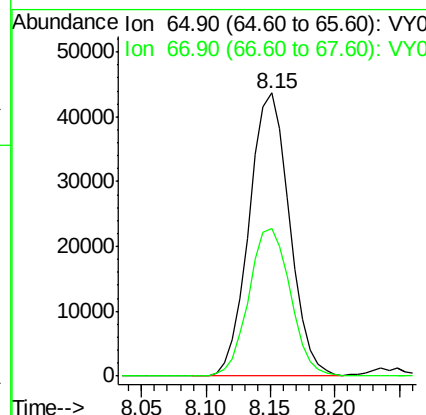
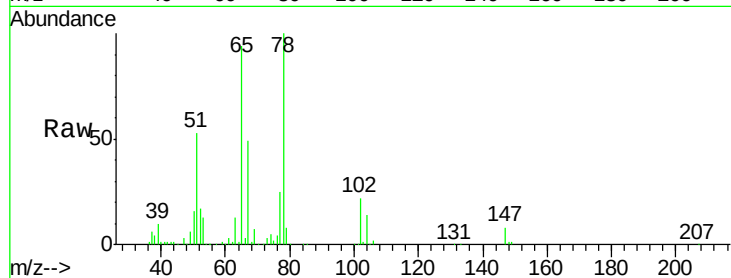
#33
 1,2-Dichloroethane-d4
 Concen: 50.954 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.2

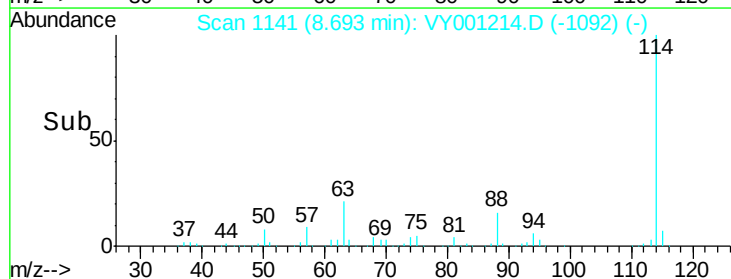
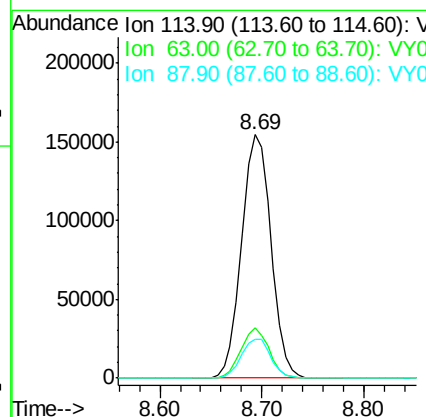
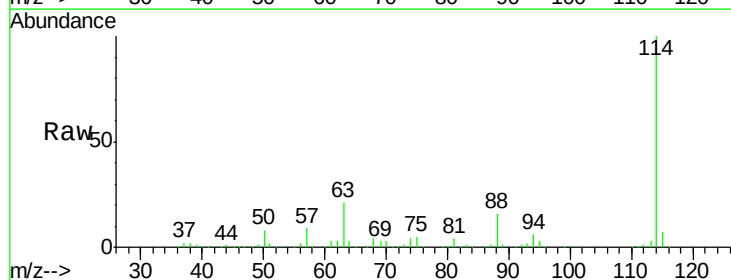
Manual Integrations
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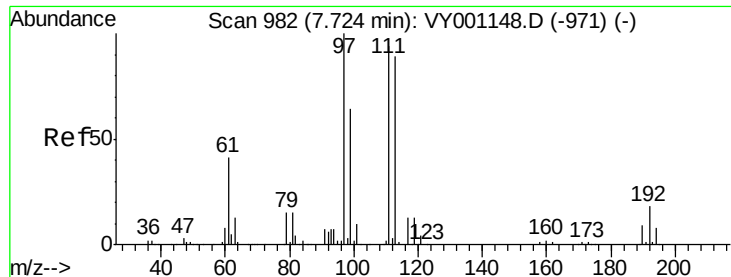
MMDadoda
 1/16/2020 9:36:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	15.9	0.0	32.4





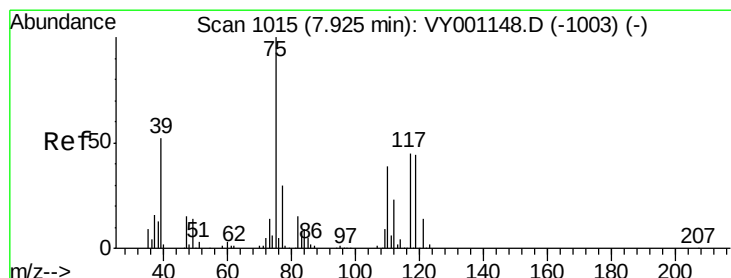
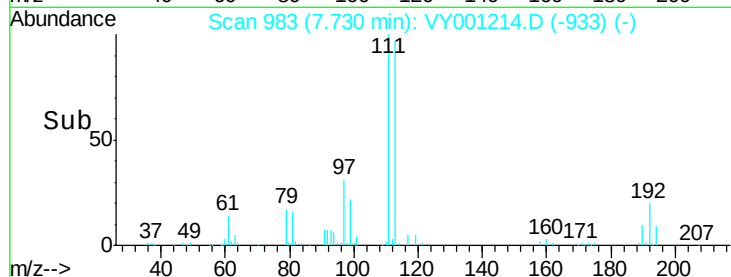
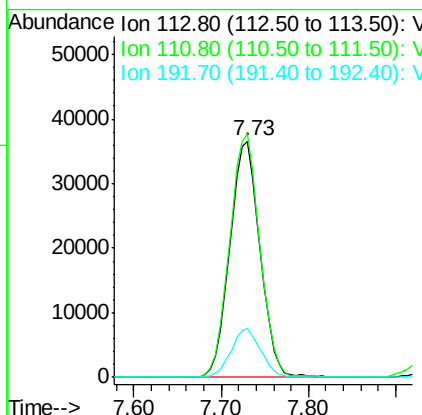
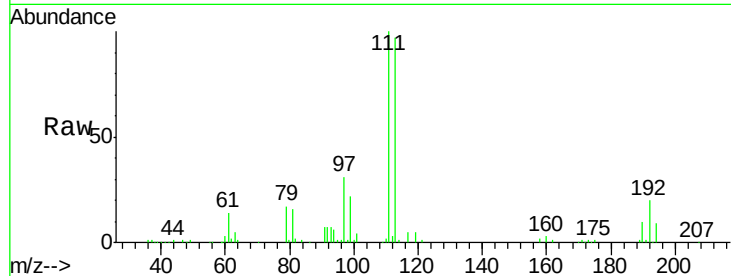
#35
 Dibromofluoromethane
 Concen: 48.550 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	87786		
111	103.6	82.9	124.3	
192	20.2	15.4	23.2	

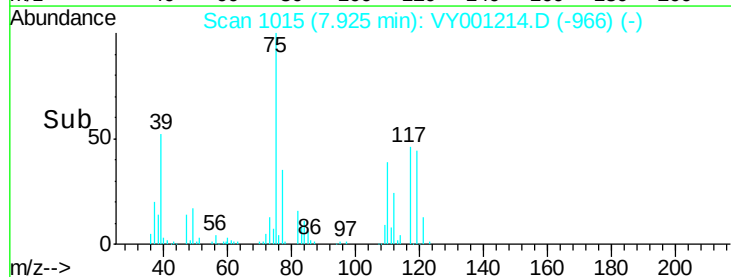
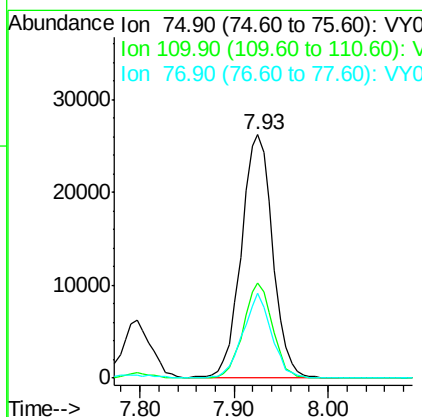
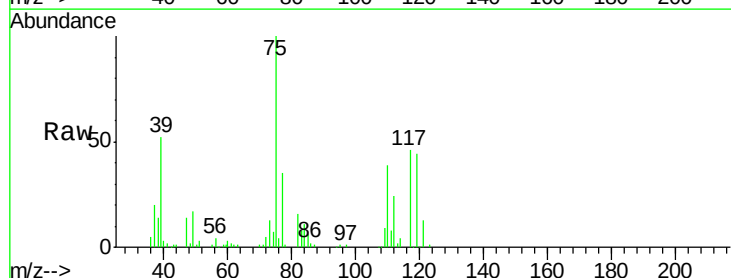
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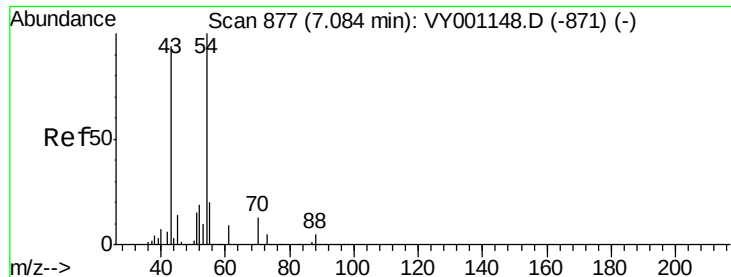
MMDadoda
 1/16/2020 9:36:20 AM



#36
 1,1-Dichloropropene
 Concen: 21.744 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61204		
110	36.3	18.3	54.8	
77	31.7	25.1	37.7	





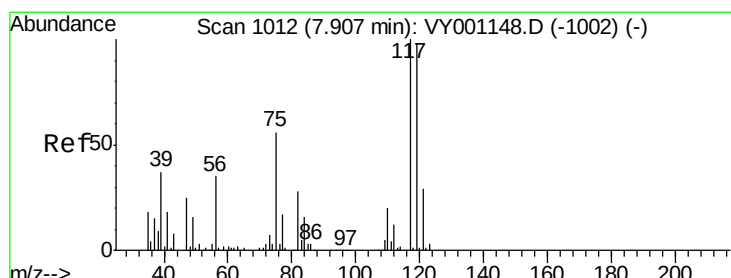
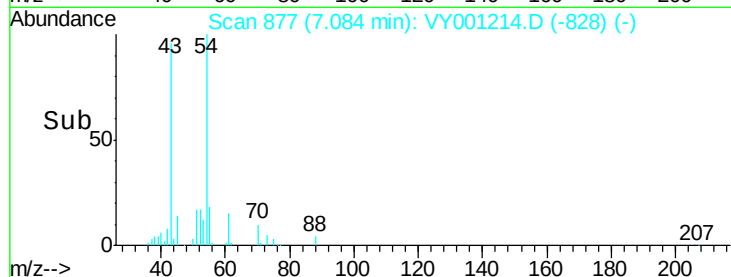
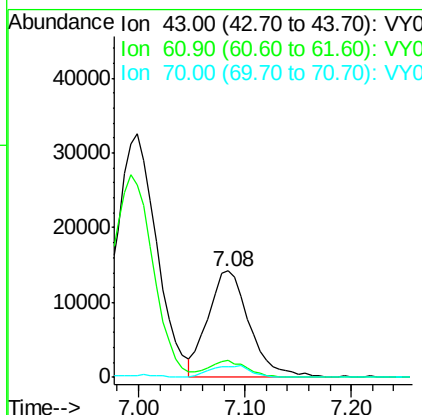
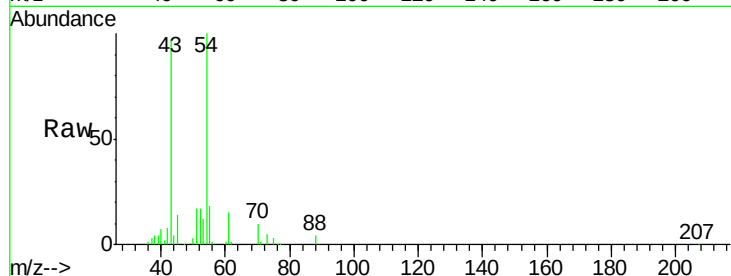
#37
Ethyl Acetate
Concen: 22.936 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	11.5	9.7	14.5

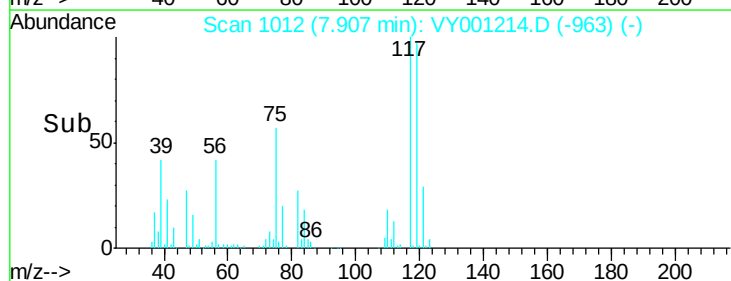
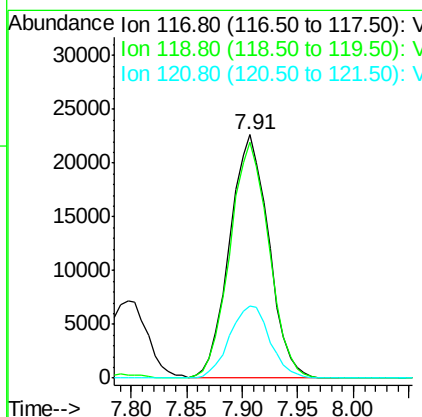
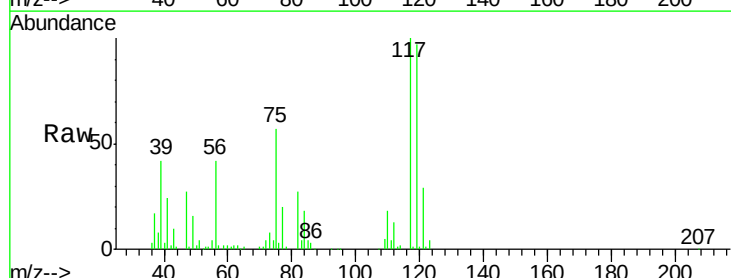
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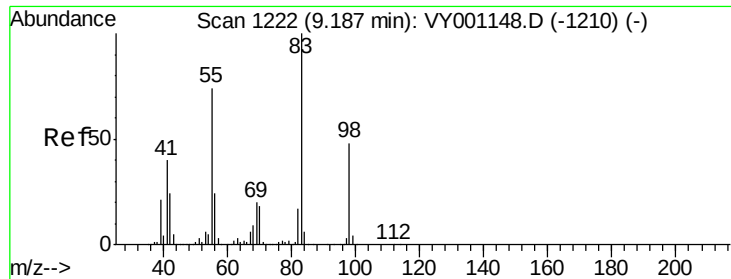
MMDadoda
1/16/2020 9:36:20 AM



#38
Carbon Tetrachloride
Concen: 21.420 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.3	117.5
121	29.4	23.5	35.3





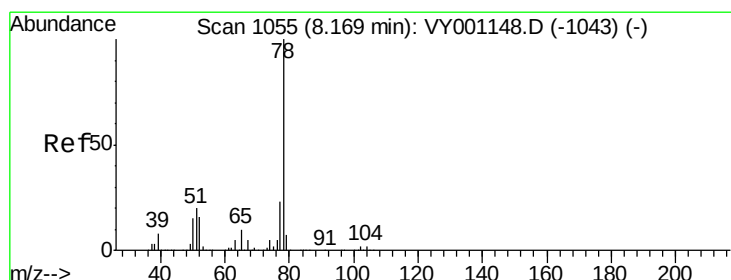
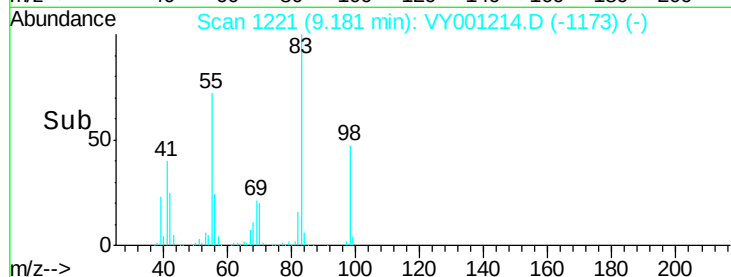
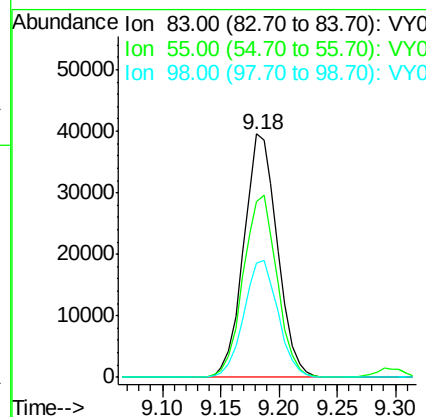
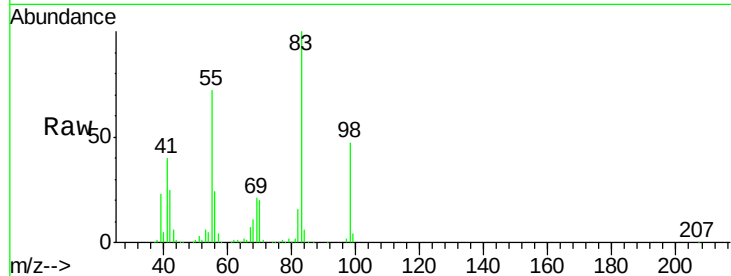
#39
Methylvlcyclohexane
Concen: 20.855 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.1	58.9	88.3
98	46.9	38.4	57.6

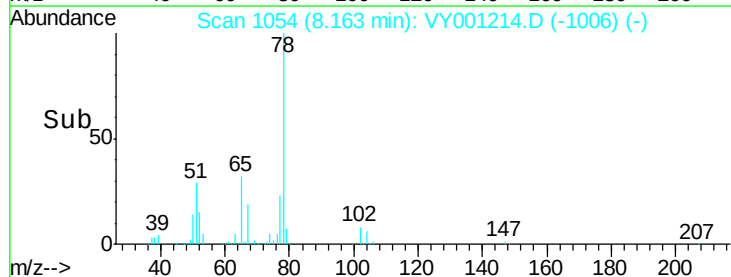
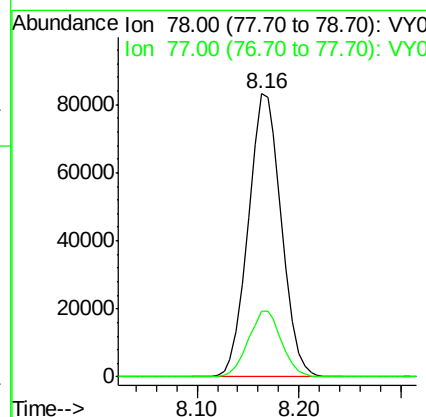
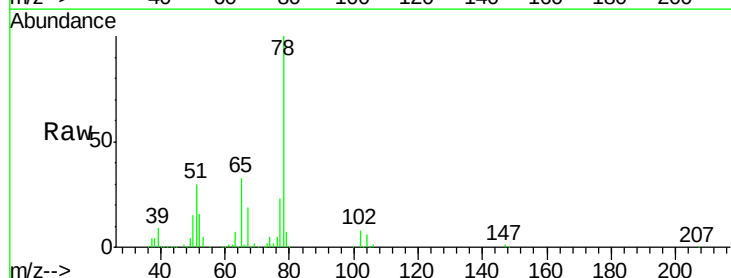
Manual Integrations
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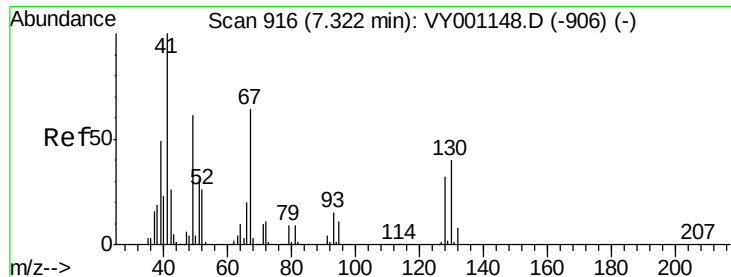
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#40
Benzene
Concen: 22.794 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





#41

Methacrylonitrile

Concen: 23.704 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion: 41 Resp: 18393

Ion Ratio Lower Upper

41 100

39 0.0 103.5 155.3#

67 0.0 0.0 0.0

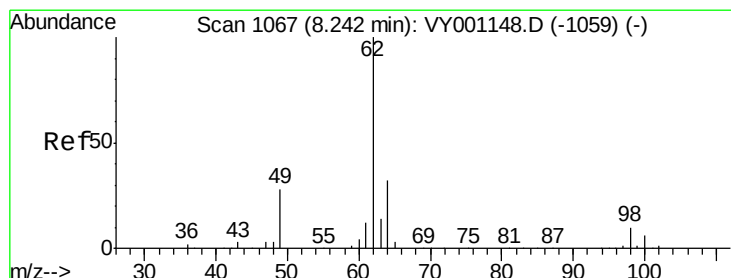
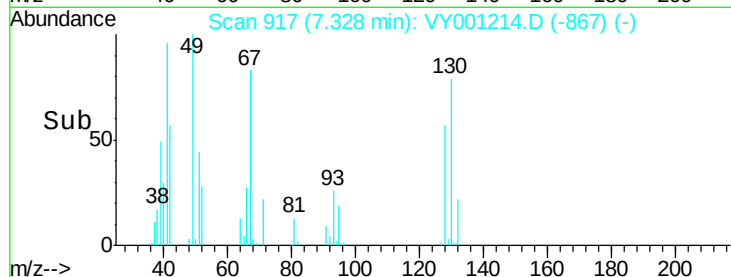
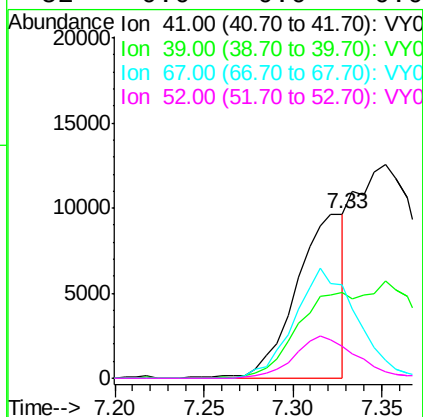
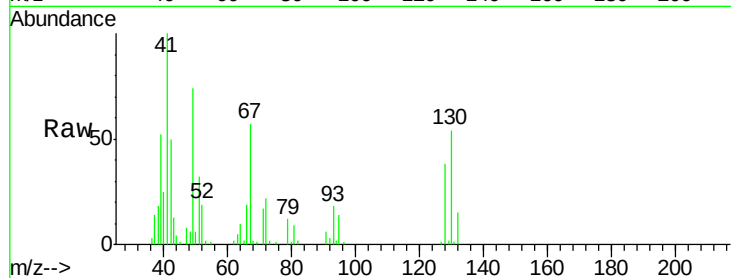
52 0.0 0.0 0.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 22.571 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY001214.D

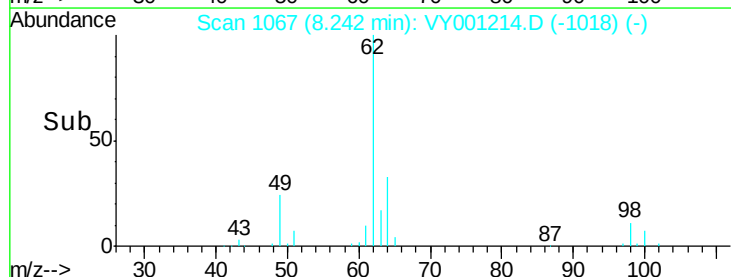
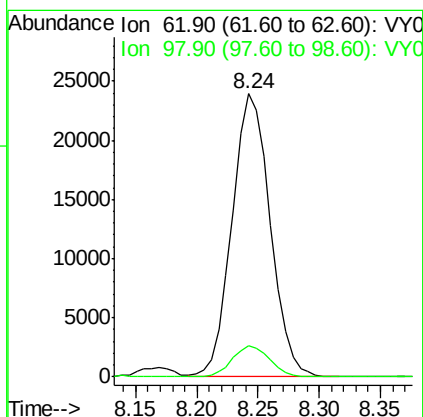
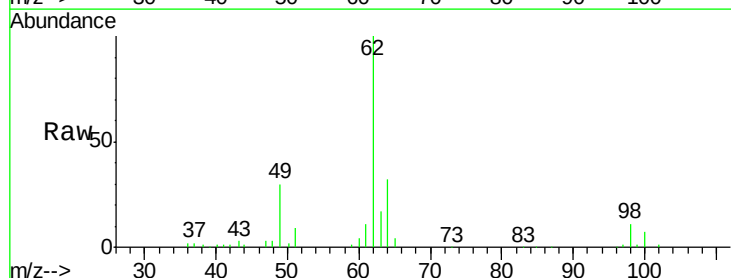
Acq: 15 Jan 2020 13:48

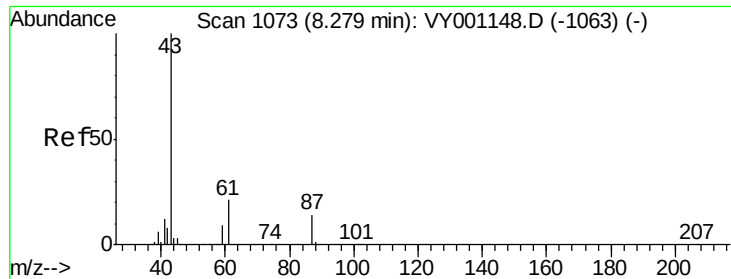
Tgt Ion: 62 Resp: 51929

Ion Ratio Lower Upper

62 100

98 10.7 0.0 20.4





#43

Isopropyl Acetate

Concen: 23.186 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

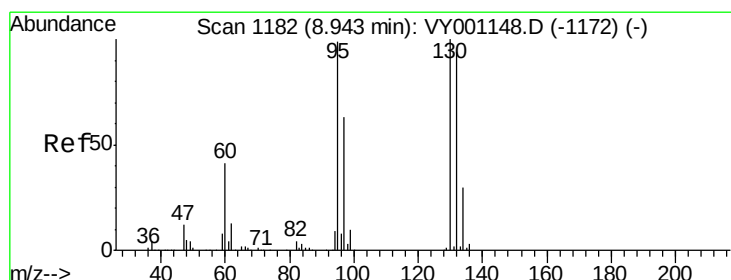
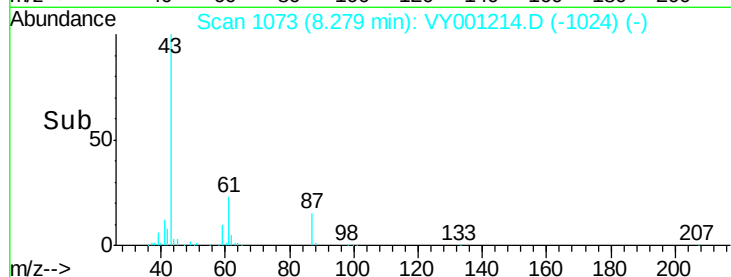
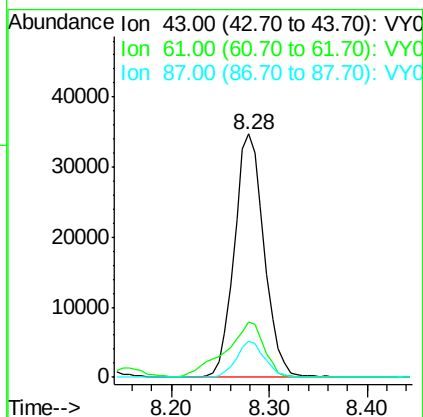
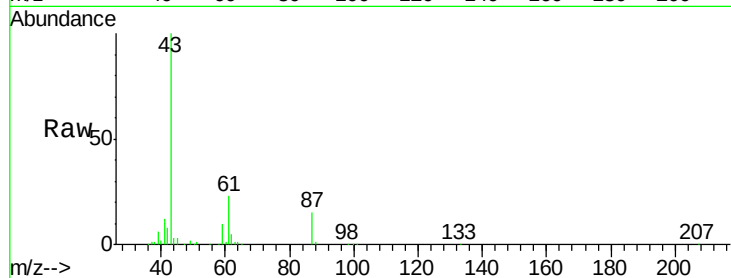
ClientSampleId :

VY0115SBS01

Tot Ion:	43	Resp:	73239
Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.9	35.9
87	14.0	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 22.990 ug/l

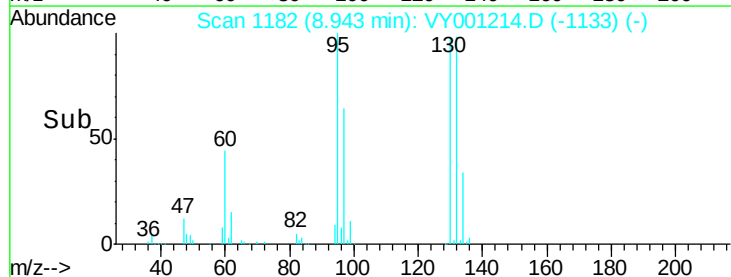
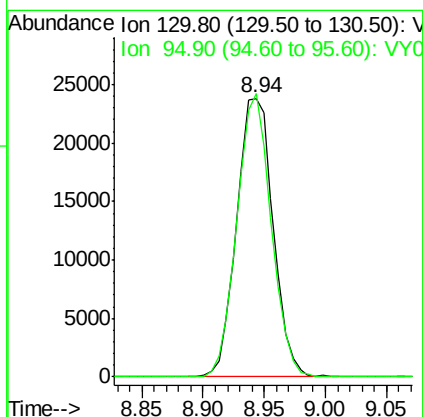
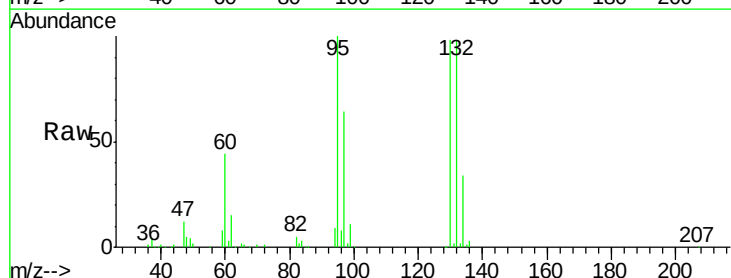
RT: 8.94 min Scan# 1182

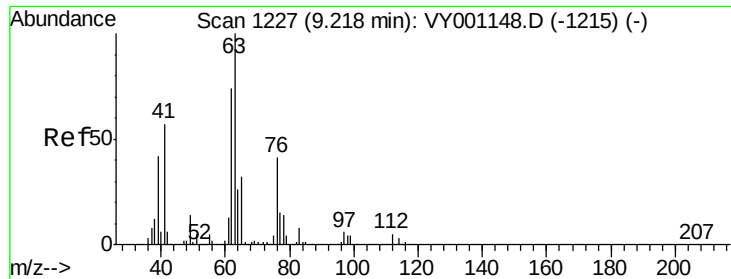
Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Tgt Ion:	130	Resp:	49221
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	197.6





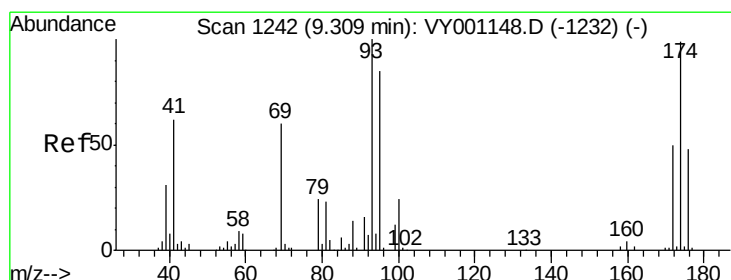
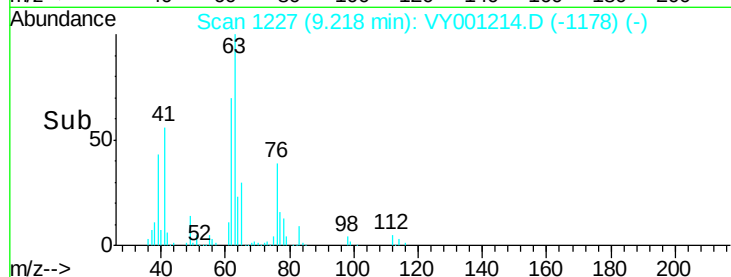
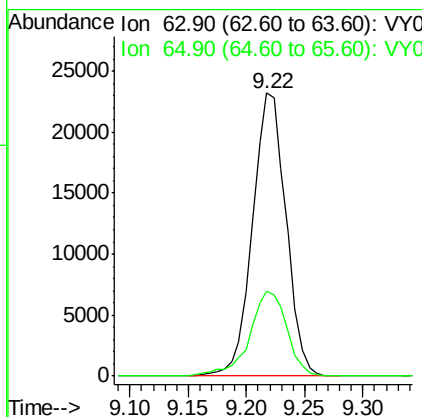
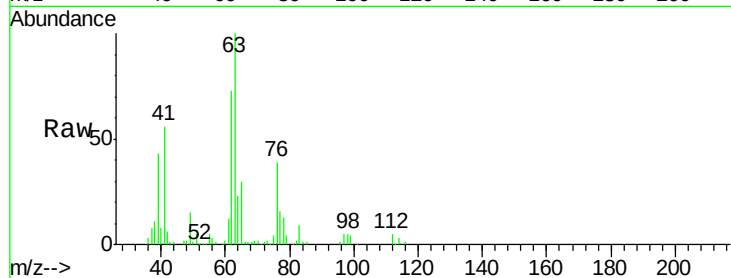
#45
 1,2-Dichloropropane
 Concen: 22.933 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.8	38.8

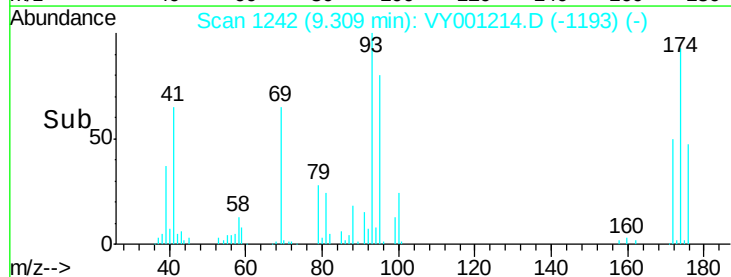
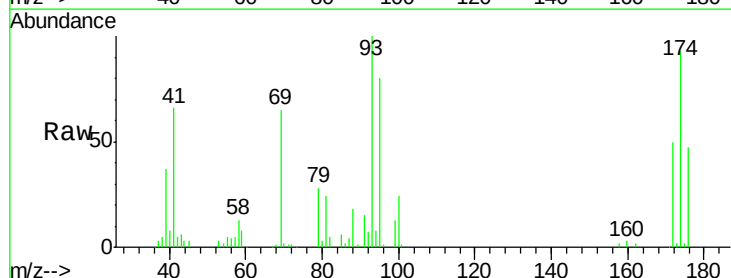
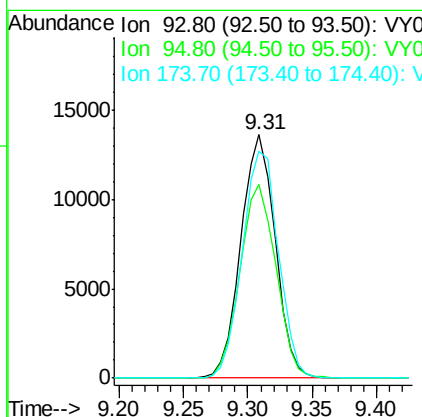
Manual Integrations
 APPROVED

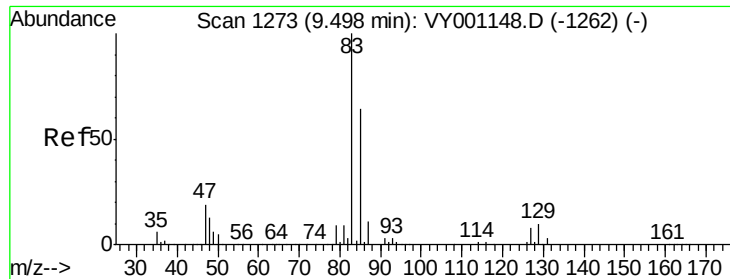
MMDadoda
 1/16/2020 9:36:20 AM



#46
 Dibromomethane
 Concen: 22.713 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.8	100.2
174	98.1	78.4	117.6





#47

Bromodichloromethane

Concen: 22.383 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

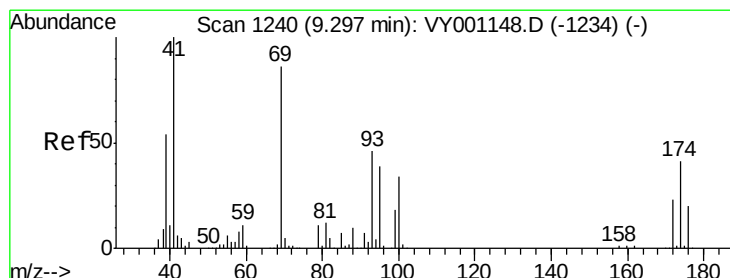
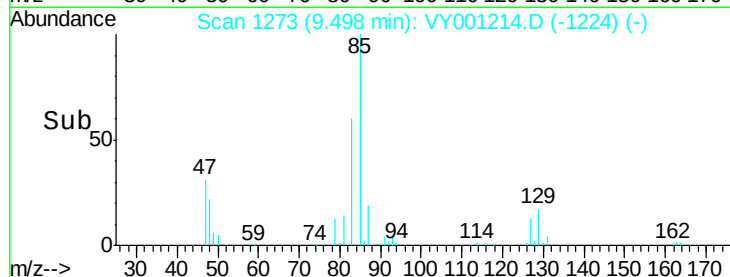
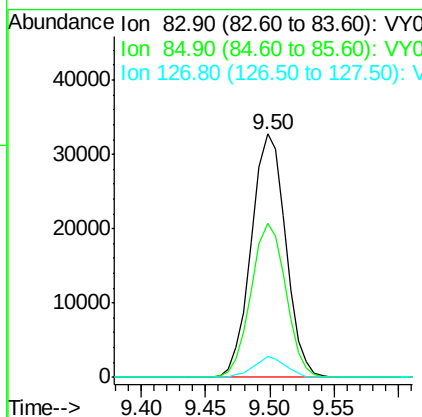
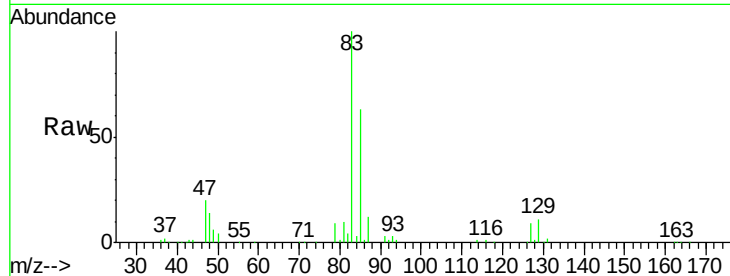
ClientSampleId :

VY0115SBS01

Tot Ion:	83	Resp:	60457
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.5	77.3
127	8.5	6.3	9.5

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#48

Methyl methacrylate

Concen: 22.715 ug/l

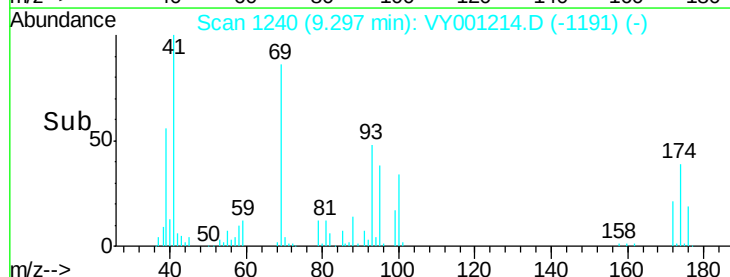
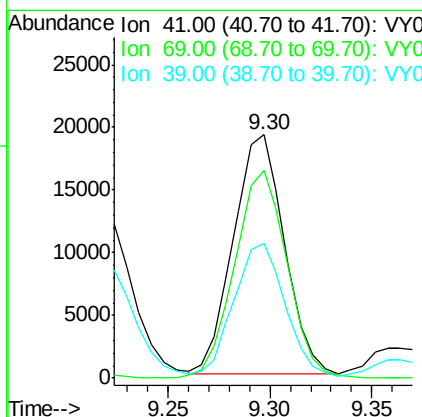
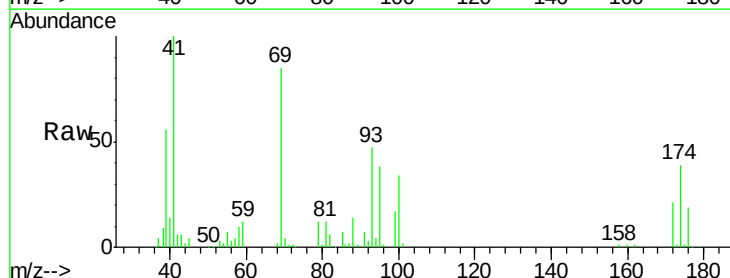
RT: 9.30 min Scan# 1240

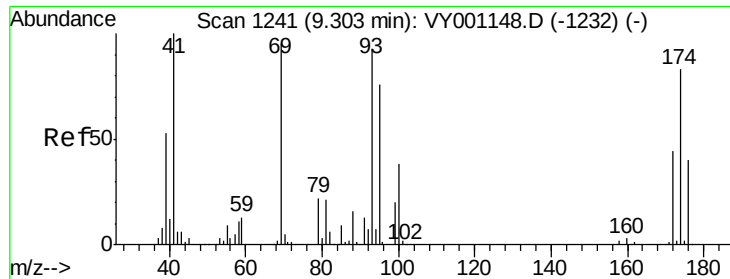
Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Tgt Ion:	41	Resp:	33203
Ion Ratio	Lower	Upper	
41	100		
69	88.8	69.8	104.8
39	57.5	45.2	67.8





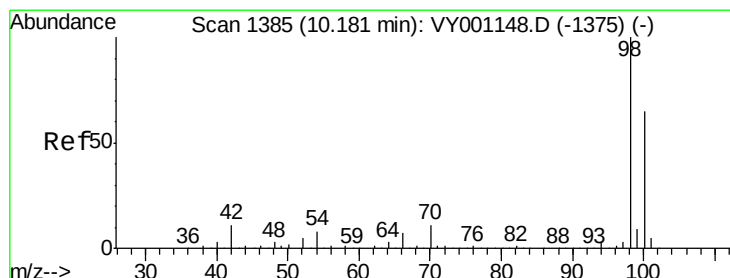
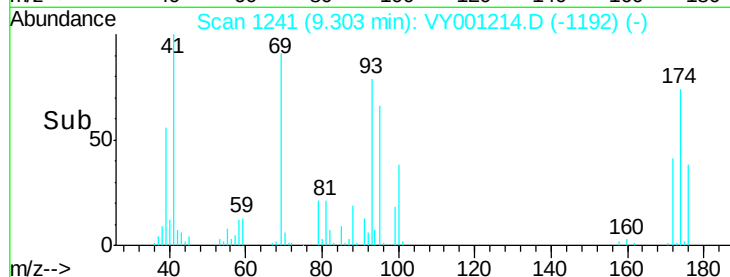
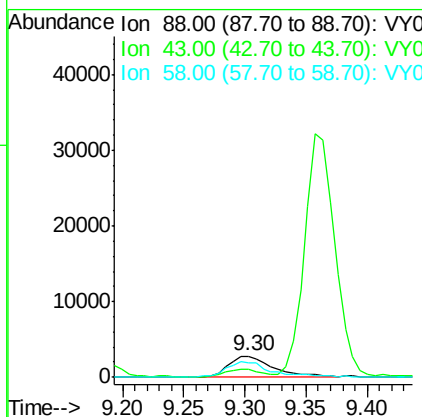
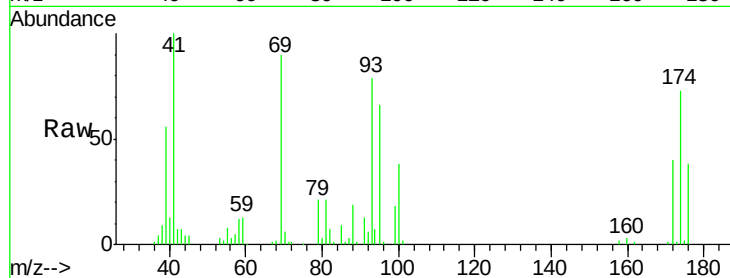
#49
 1,4-Dioxane
 Concen: 533.897 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	22.4	33.6
58	74.5	58.0	87.0

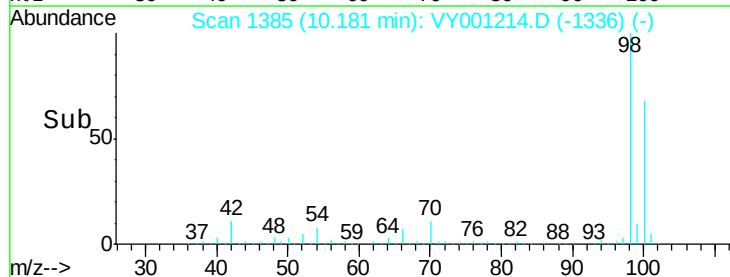
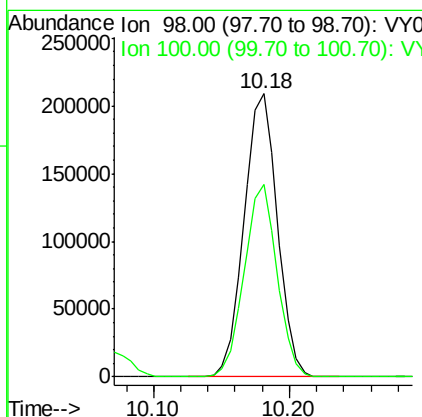
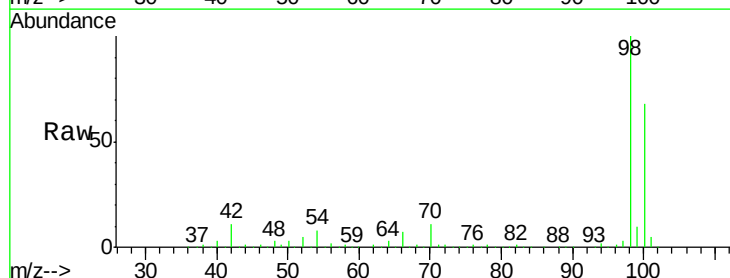
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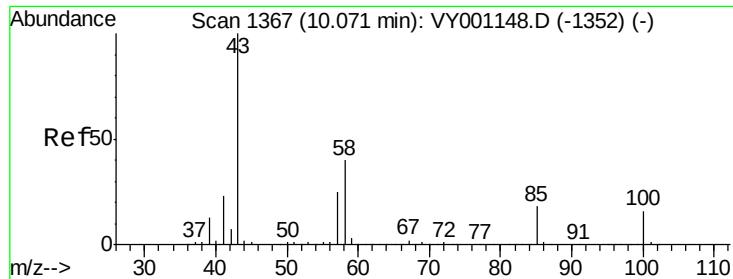
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#50
 Toluene-d8
 Concen: 51.545 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 115.505 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion: 43 Resp: 185130

Ion Ratio Lower Upper

43 100

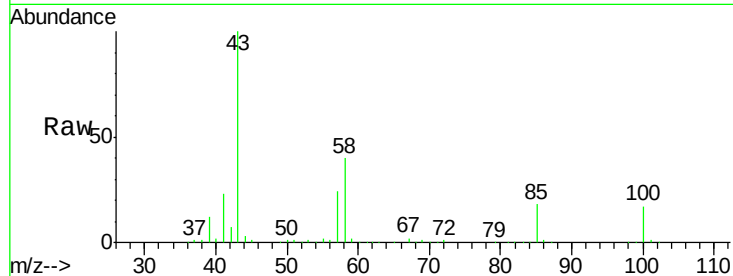
58 40.4 32.3 48.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

120000

100000

80000

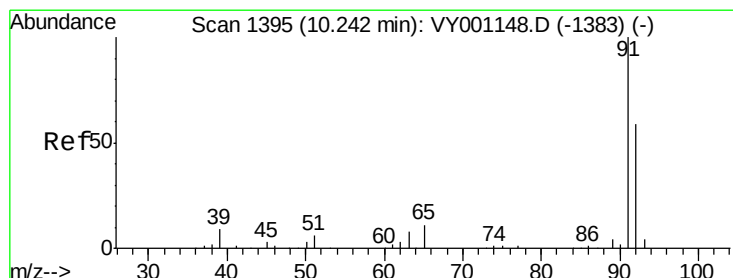
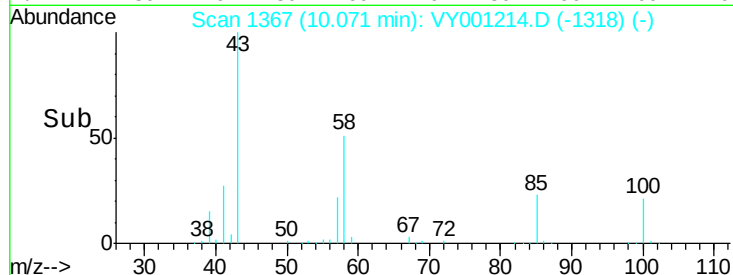
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 22.204 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001214.D

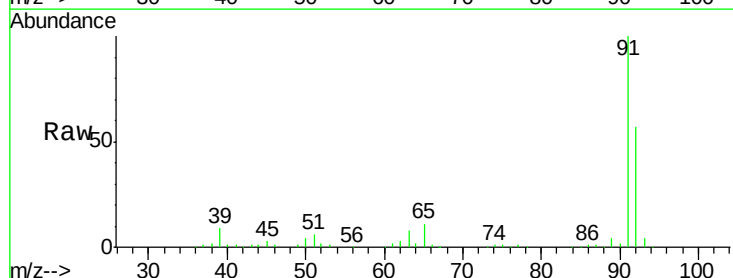
Acq: 15 Jan 2020 13:48

Tgt Ion: 92 Resp: 116361

Ion Ratio Lower Upper

92 100

91 172.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

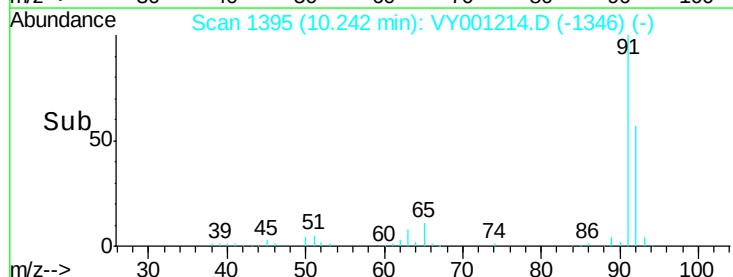
10.24

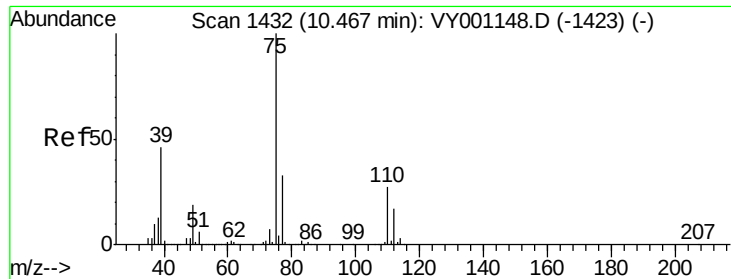
100000

50000

0

Time-->





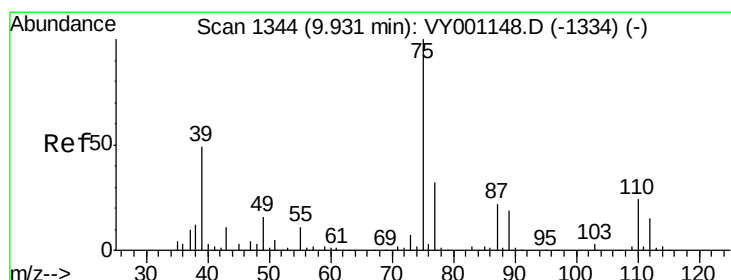
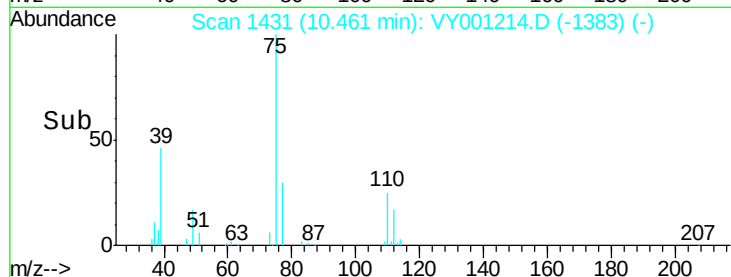
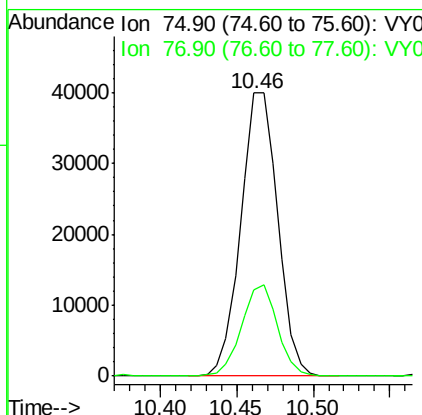
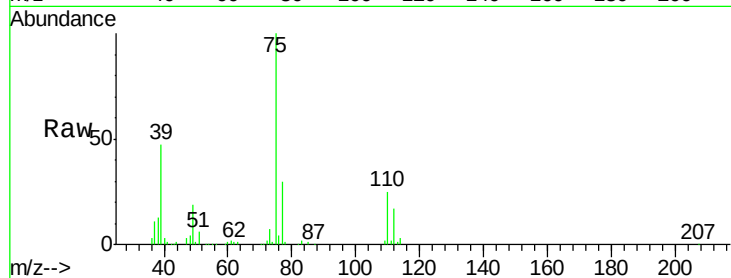
#53
 t-1,3-Dichloropropene
 Concen: 22.212 ug/l
 RT: 10.46 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion: 75 Resp: 67133
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.2 39.2

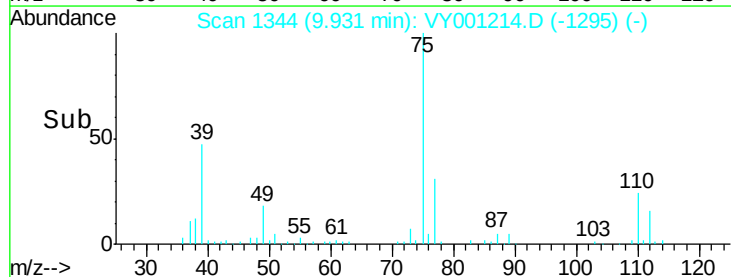
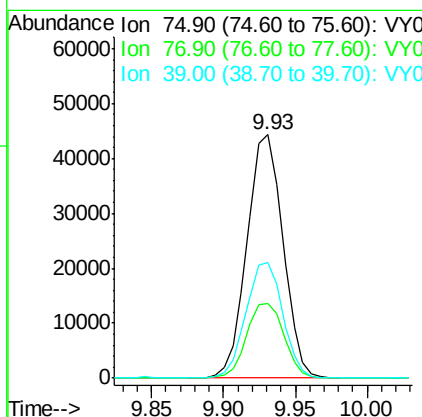
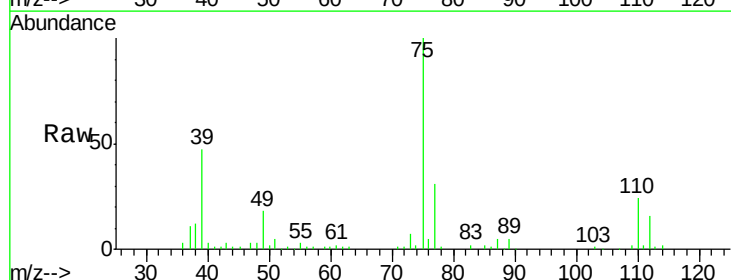
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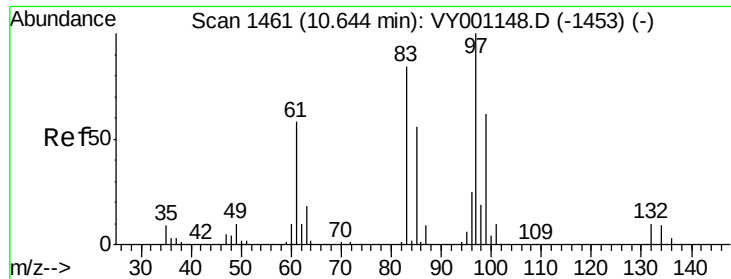
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#54
 cis-1,3-Dichloropropene
 Concen: 22.468 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion: 75 Resp: 76563
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.3 37.9
 39 47.2 39.1 58.7





#55

1,1,2-Trichloroethane

Concen: 22.712 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

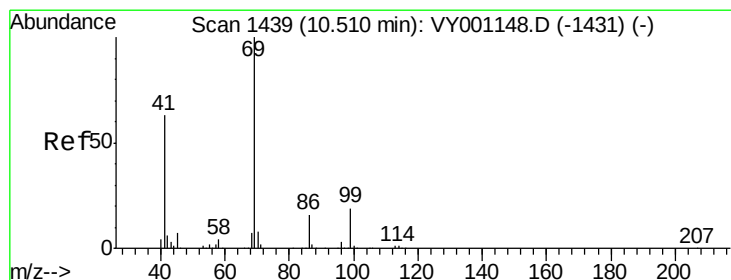
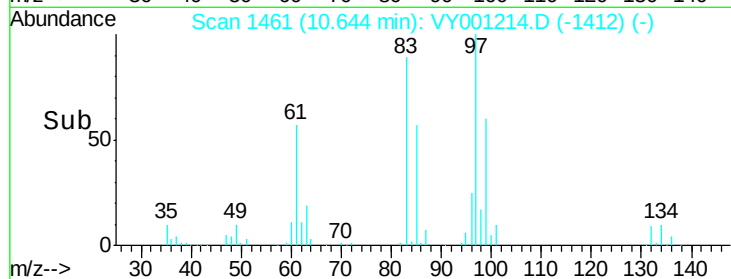
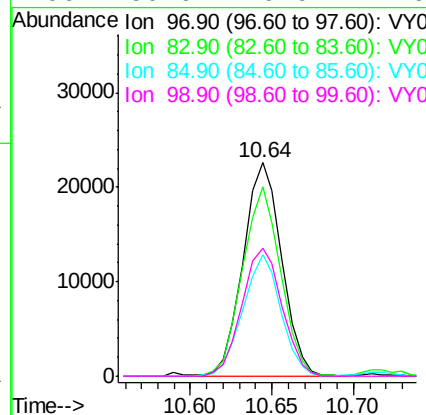
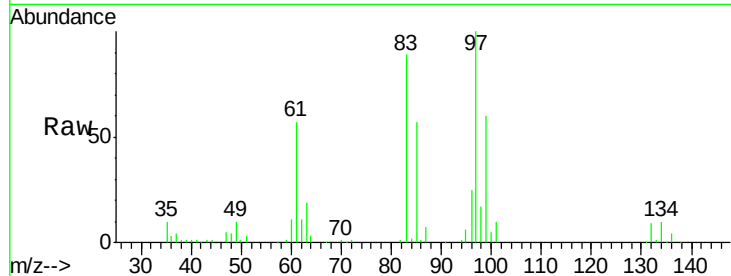
ClientSampleId :

VY0115SBS01

Tot Ion:	97	Resp:	37316
Ion	Ratio	Lower	Upper
97	100		
83	89.0	67.2	100.8
85	57.0	44.9	67.3
99	59.9	49.9	74.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.504 ug/l

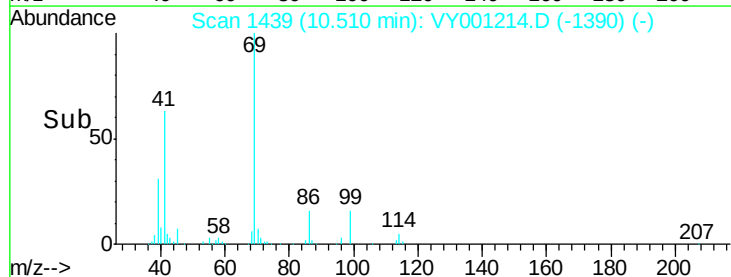
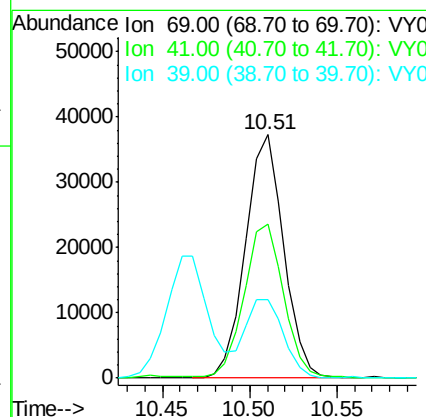
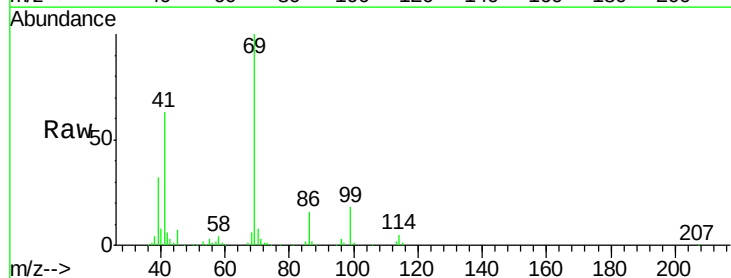
RT: 10.51 min Scan# 1439

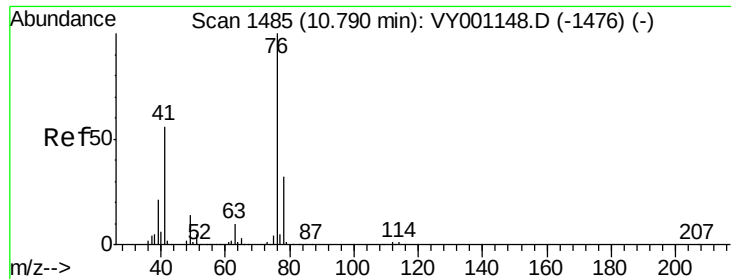
Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Tgt Ion:	69	Resp:	56560
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.4	77.2
39	33.3	26.3	39.5





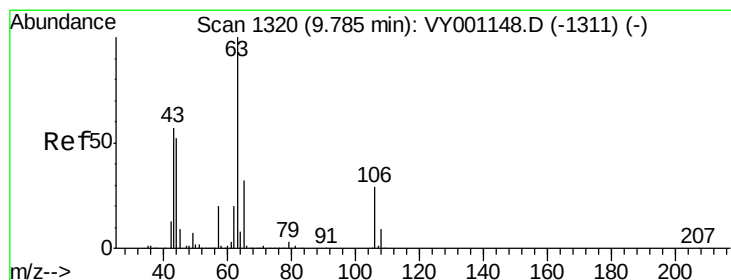
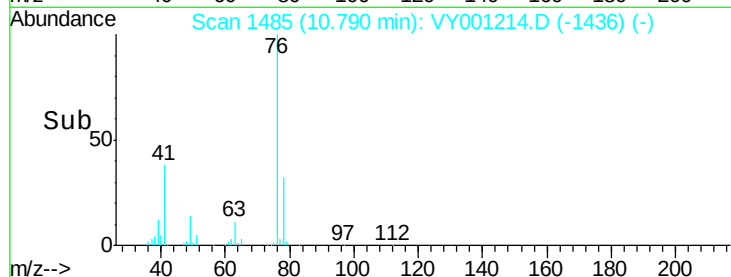
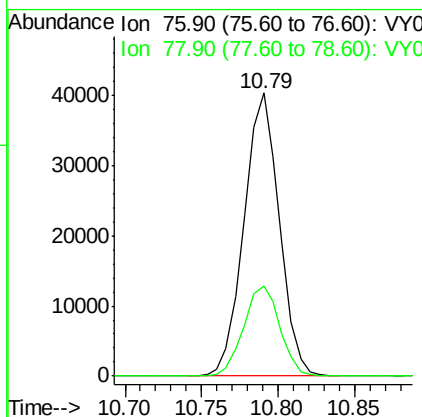
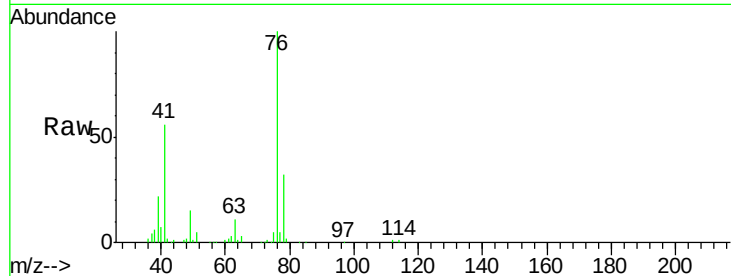
#57
 1,3-Dichloropropane
 Concen: 22.866 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.1	39.1

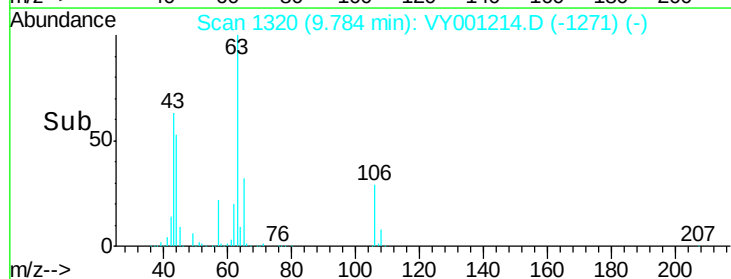
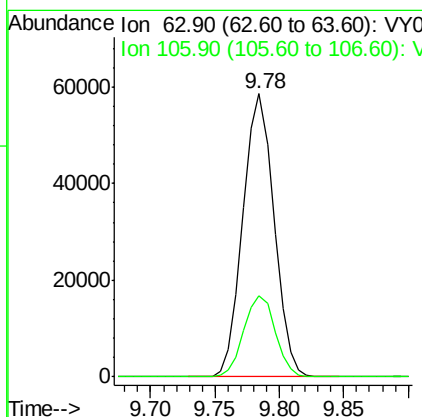
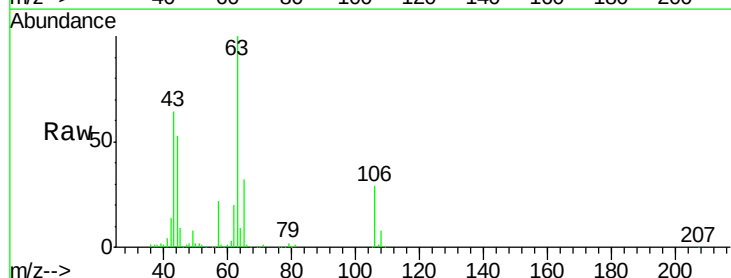
Manual Integrations
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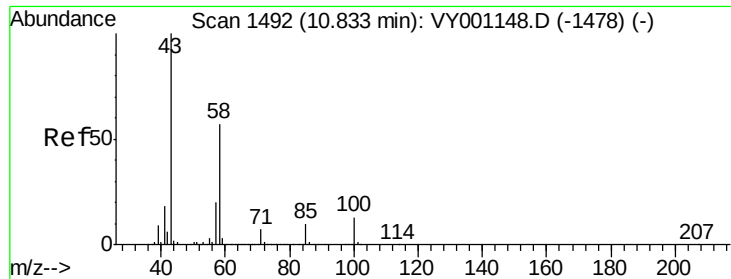
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#58
 2-Chloroethyl Vinyl ether
 Concen: 110.792 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.0	34.6





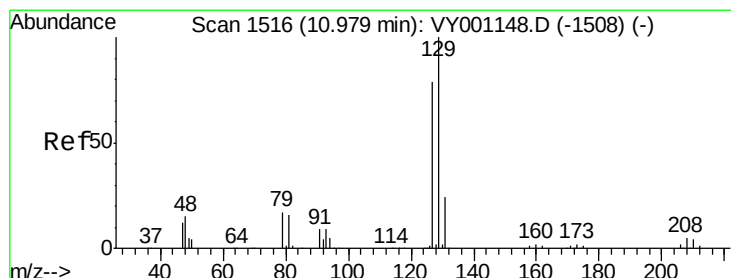
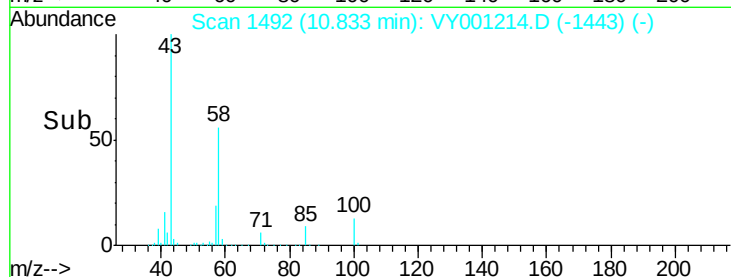
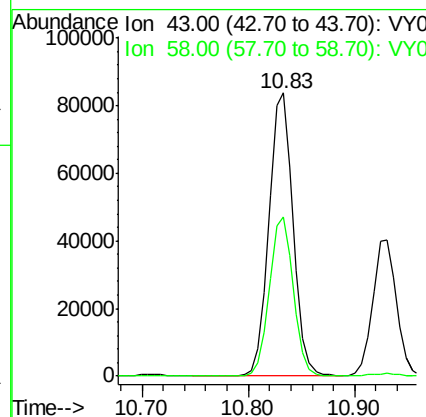
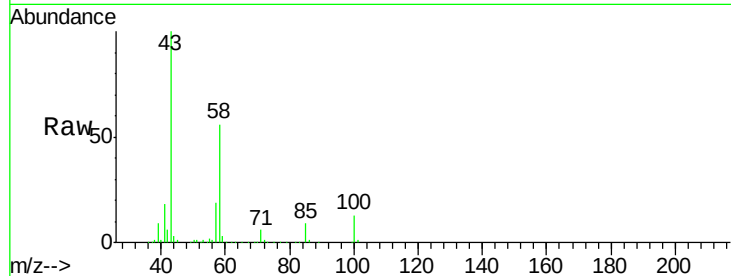
#59
2-Hexanone
Concen: 118.532 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	28.4	85.2

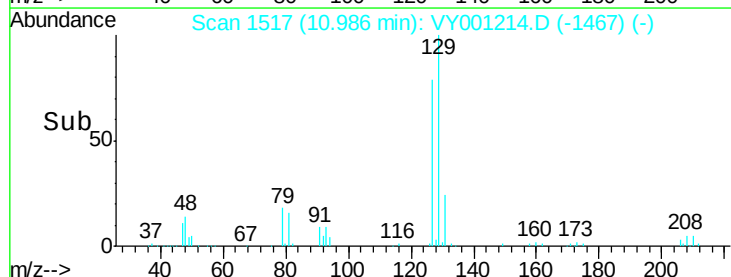
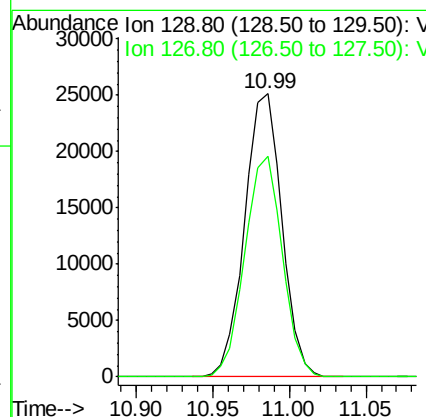
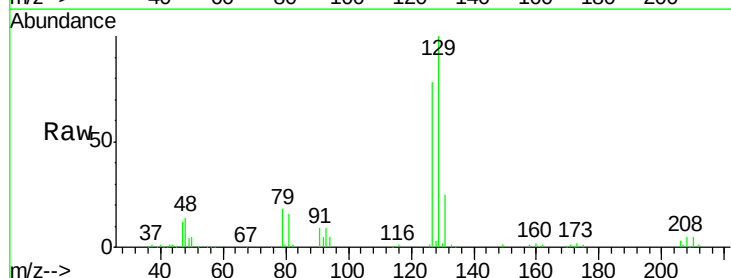
Manual Integrations
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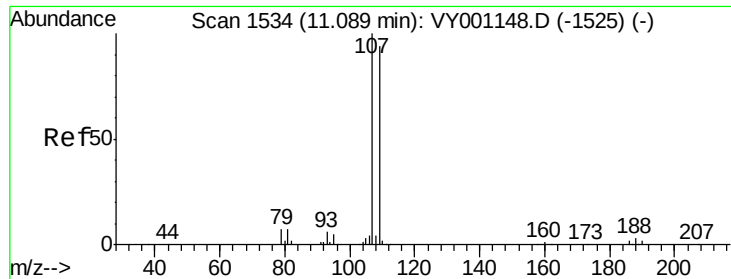
MMDadoda
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#60
Dibromochloromethane
Concen: 22.499 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.9	116.7





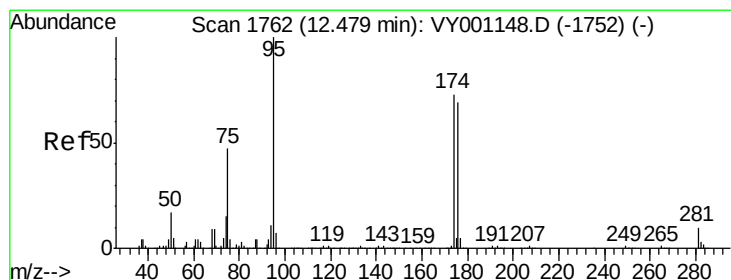
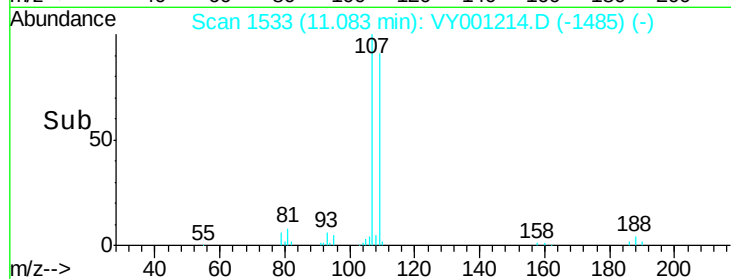
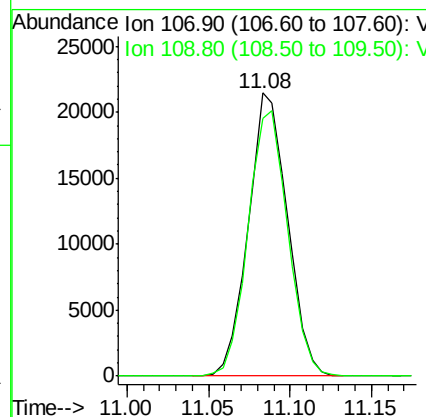
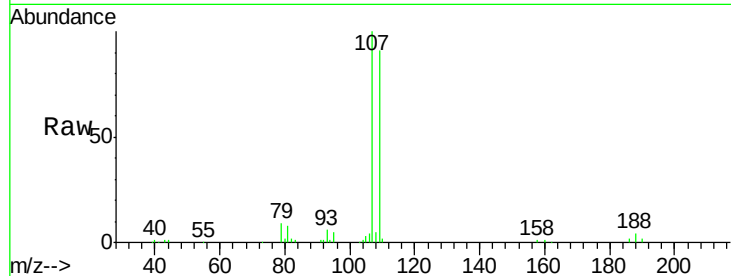
#61
 1,2-Dibromoethane
 Concen: 22.353 ug/l
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.0

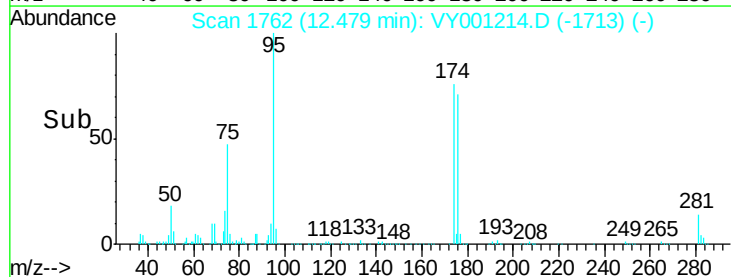
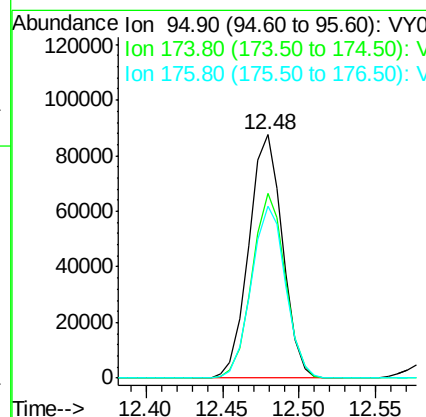
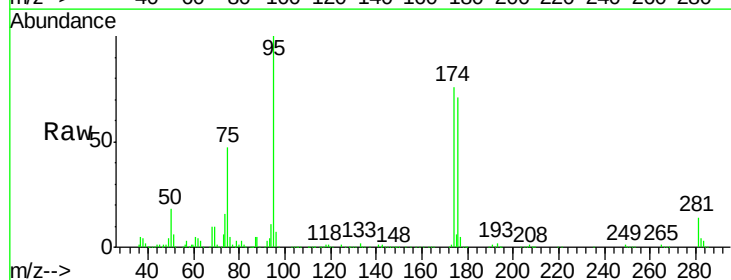
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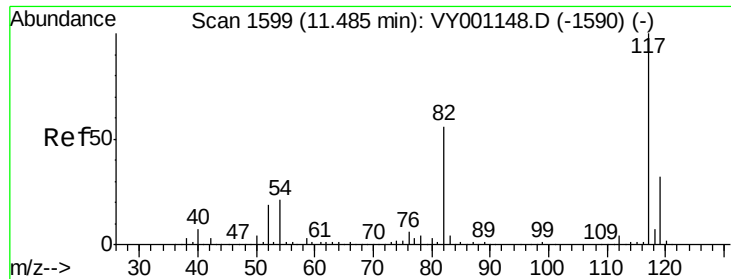
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.024 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	143.2
176	71.7	0.0	136.0





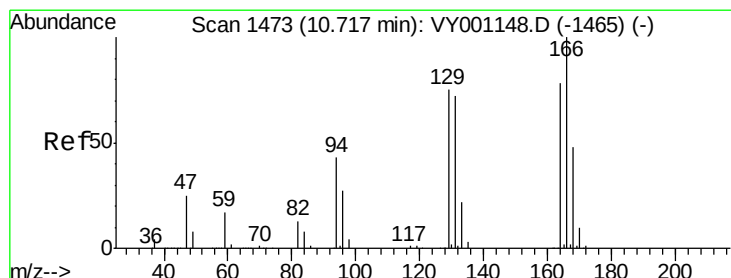
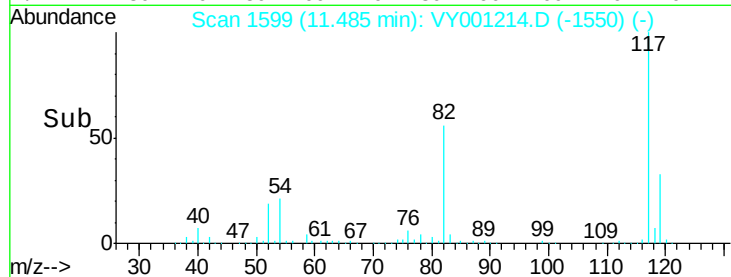
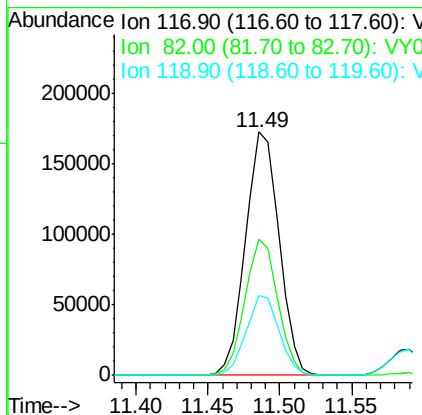
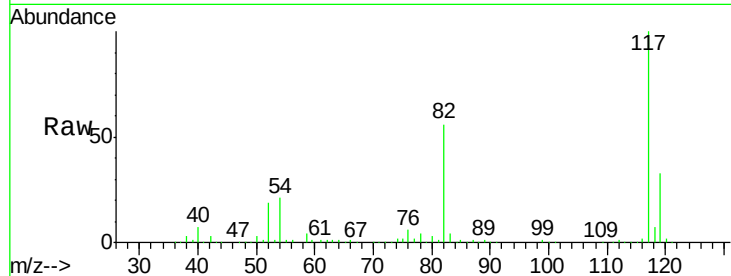
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.9	67.3
119	32.6	25.7	38.5

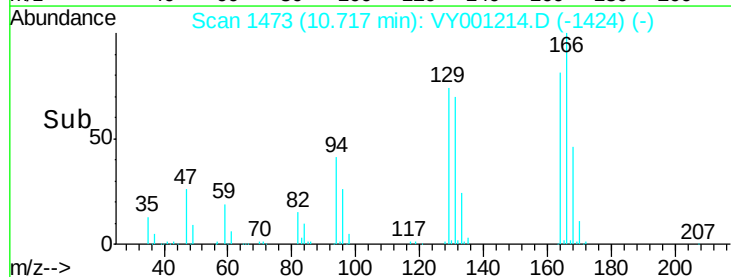
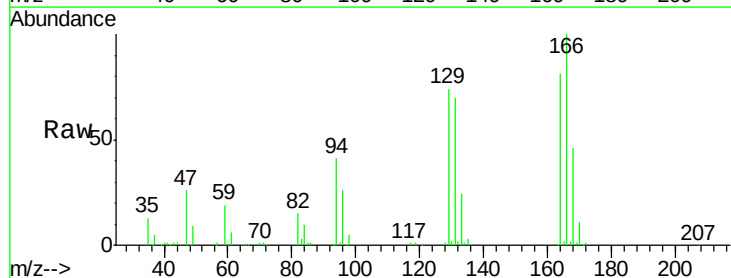
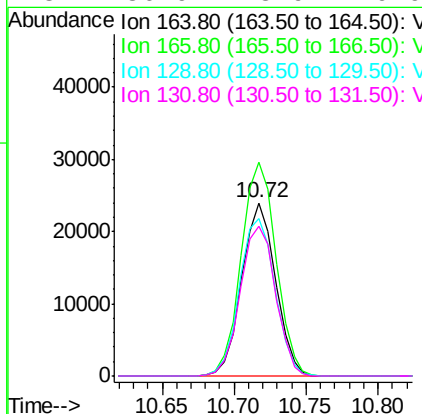
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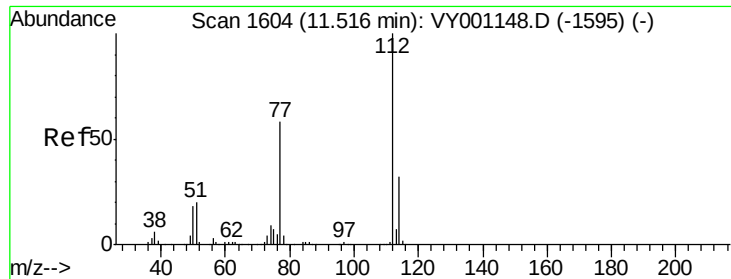
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#64
Tetrachloroethene
Concen: 21.696 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	102.3	153.5
129	91.1	76.2	114.4
131	86.9	73.9	110.9





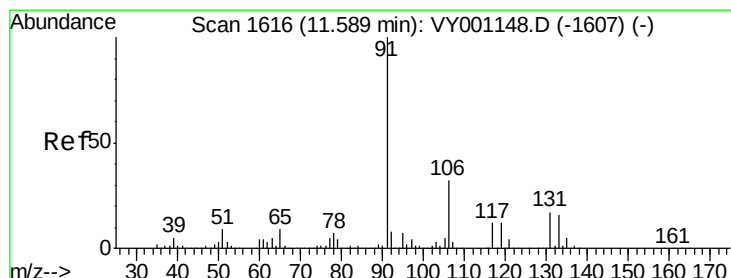
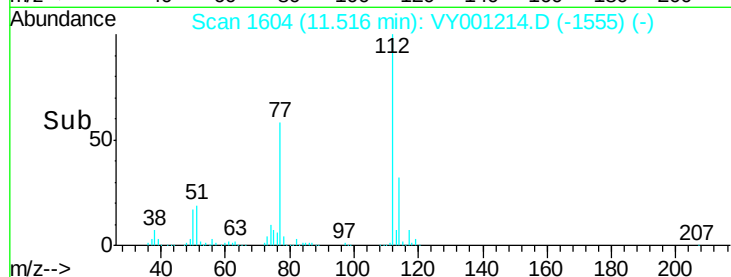
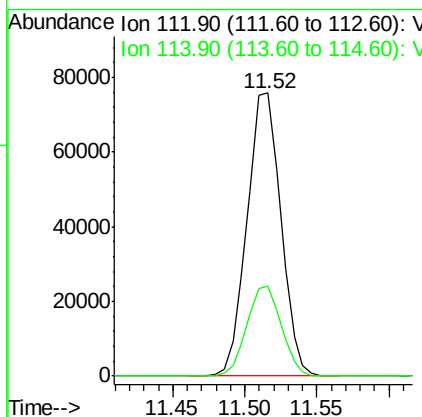
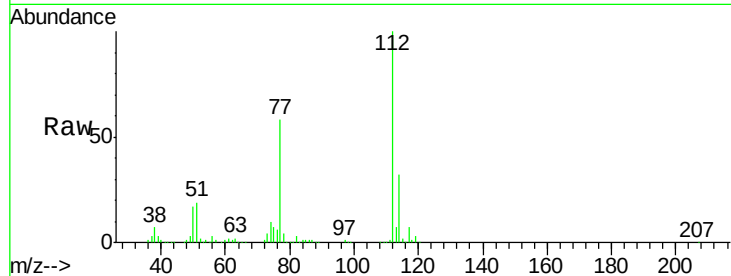
#65
Chlorobenzene
Concen: 22.177 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.9	38.9

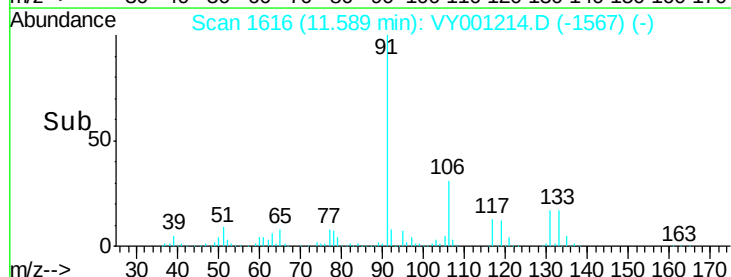
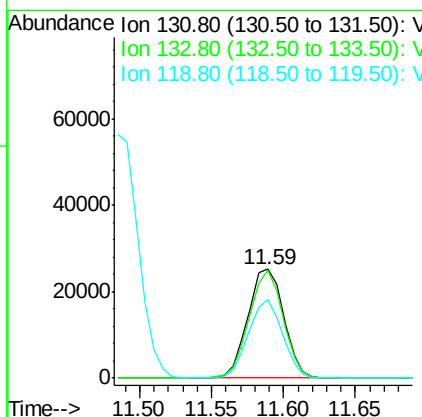
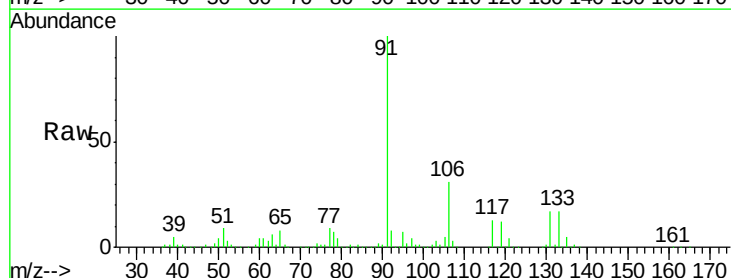
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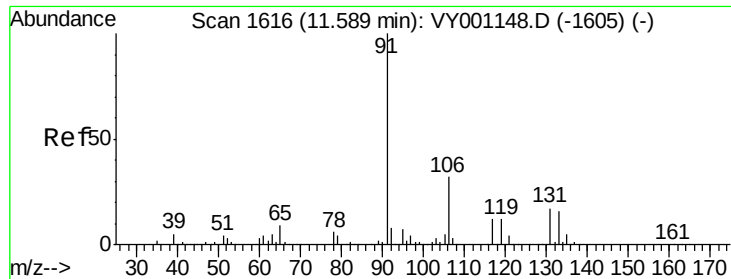
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.594 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	47.3	142.0
119	68.8	33.6	100.8





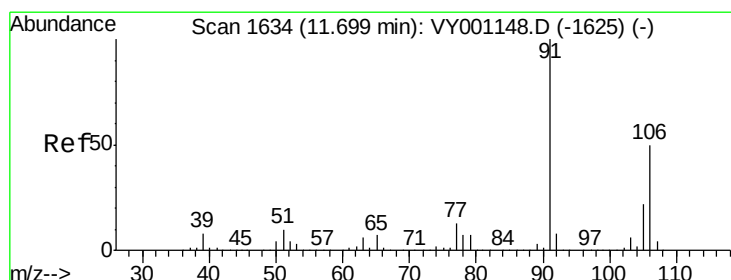
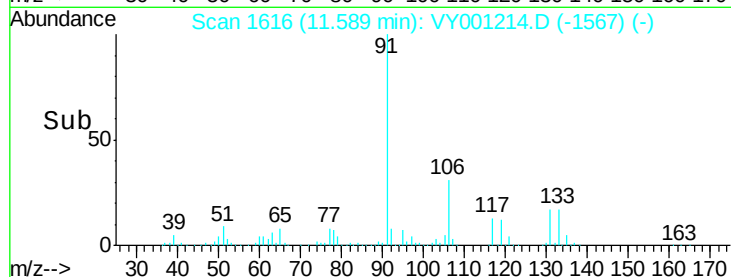
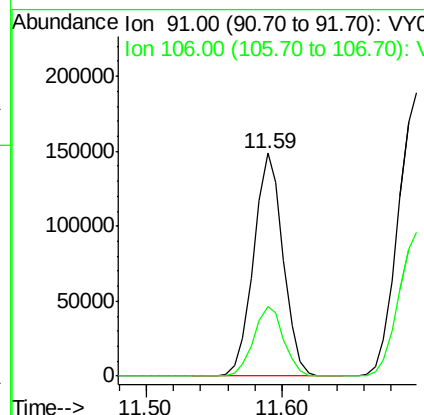
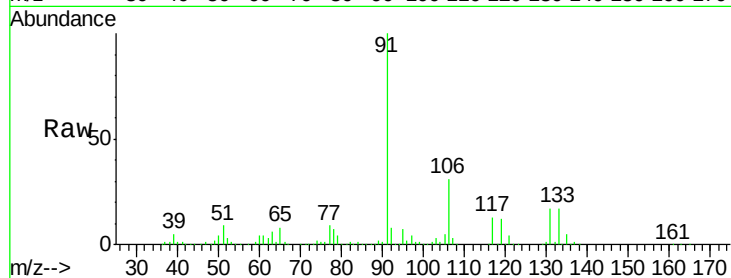
#67
Ethyl Benzene
Concen: 22.178 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	91	Resp	225540
Ion Ratio	Lower	Upper	
91	100		
106	31.3	25.3	37.9

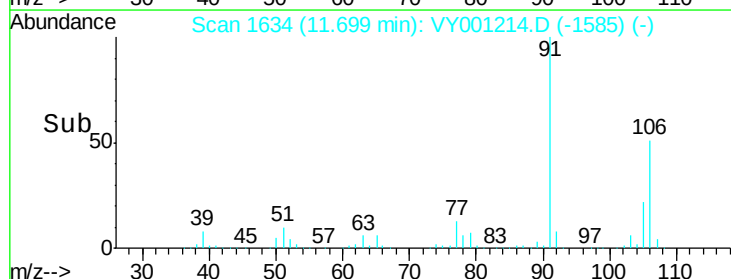
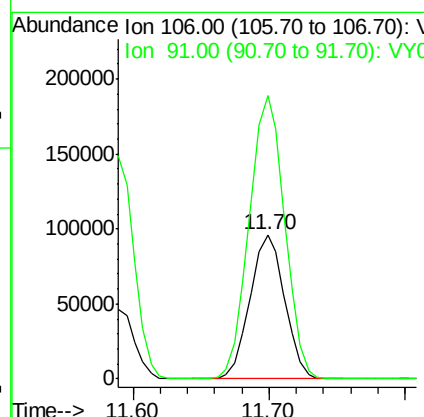
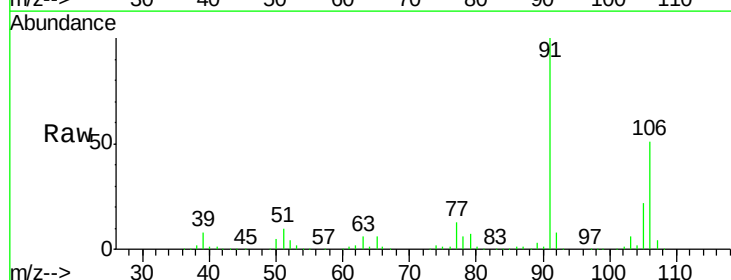
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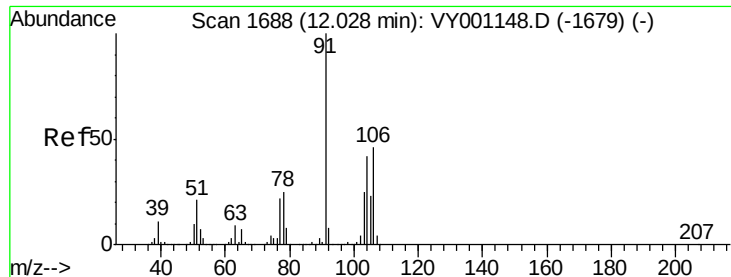
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#68
m/p-Xylenes
Concen: 44.929 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	106	Resp	172364
Ion Ratio	Lower	Upper	
106	100		
91	199.9	161.4	242.2





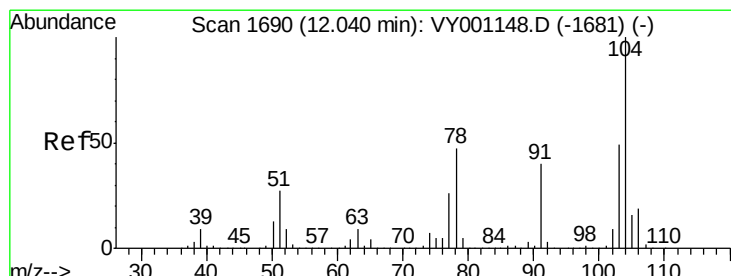
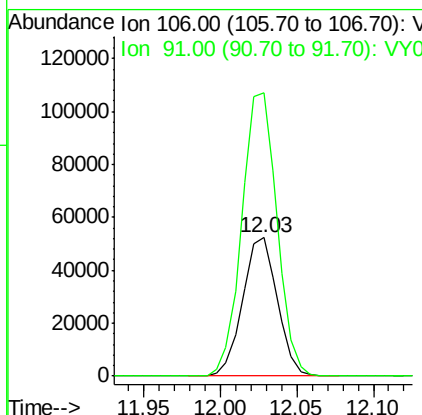
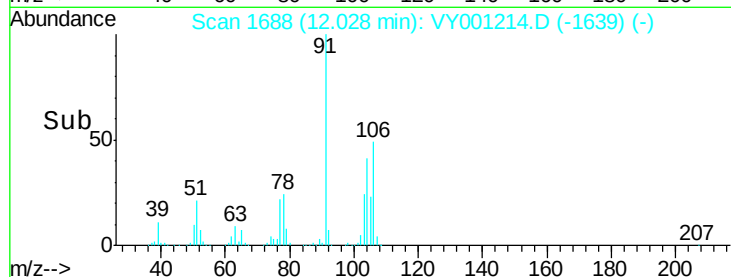
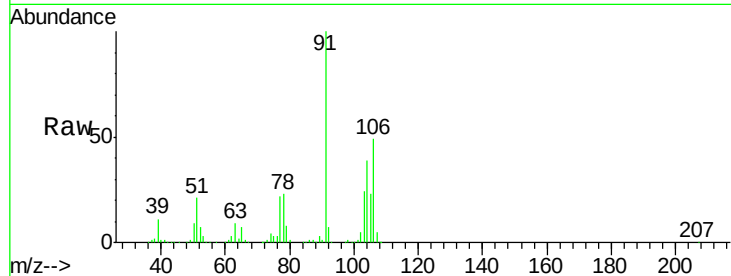
#69
o-Xylene
Concen: 22.414 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion:106 Resp: 82443
Ion Ratio Lower Upper
106 100
91 207.7 106.3 318.8

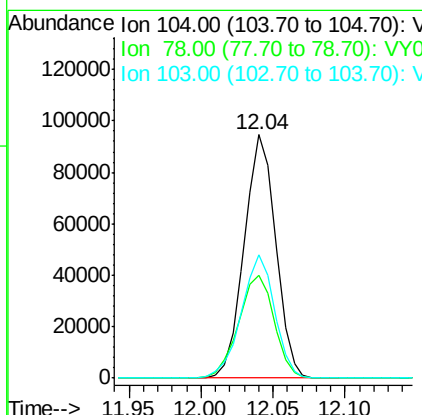
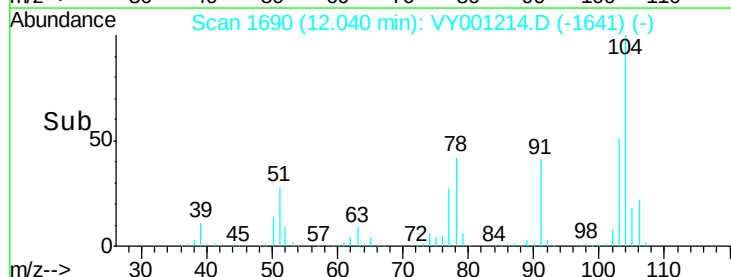
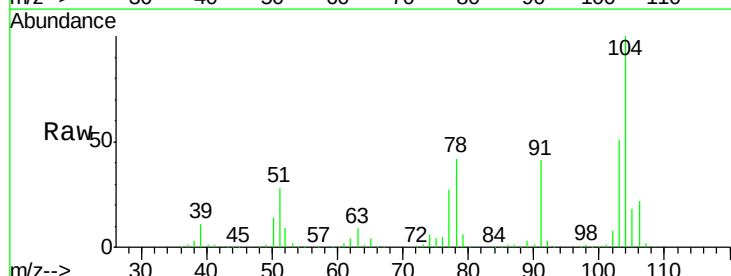
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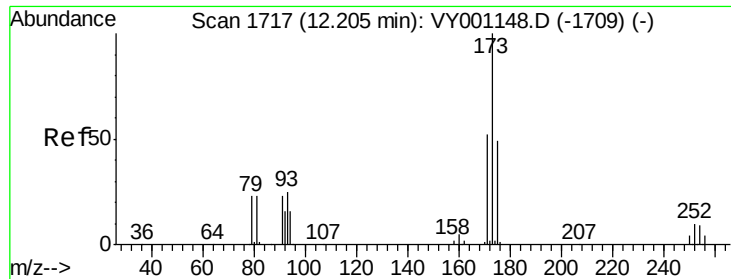
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#70
Styrene
Concen: 22.218 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion:104 Resp: 143391
Ion Ratio Lower Upper
104 100
78 47.9 40.5 60.7
103 53.5 42.4 63.6





#71

Bromoform

Concen: 21.897 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

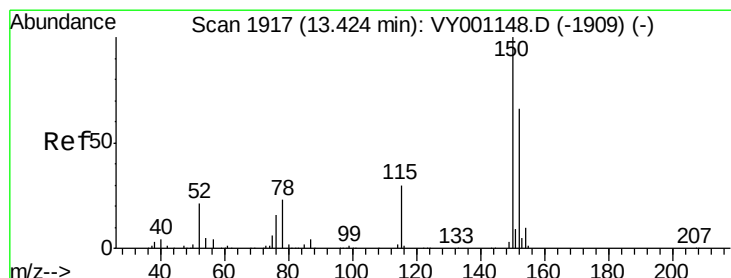
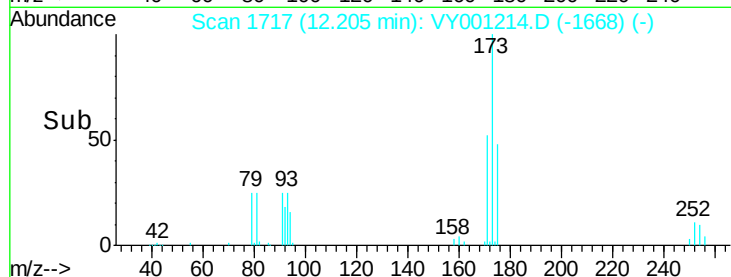
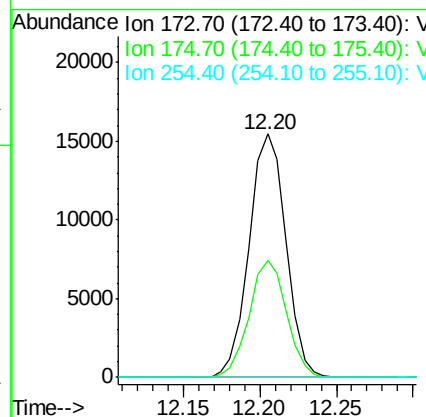
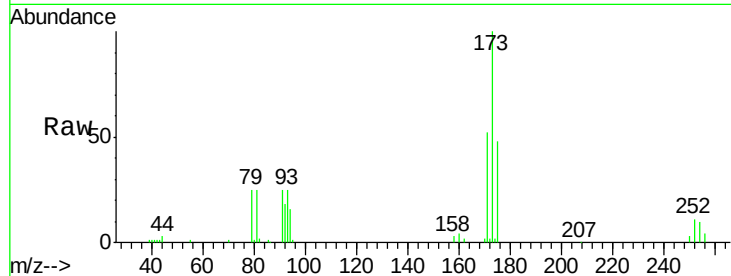
ClientSampleId :

VY0115SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

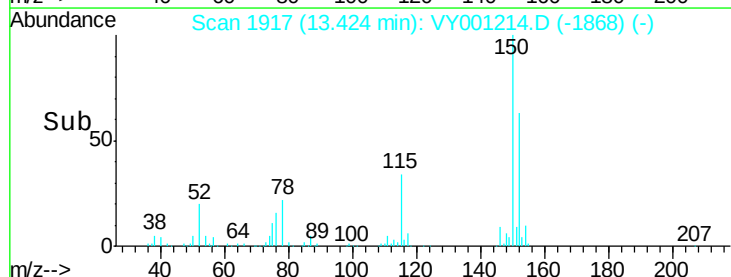
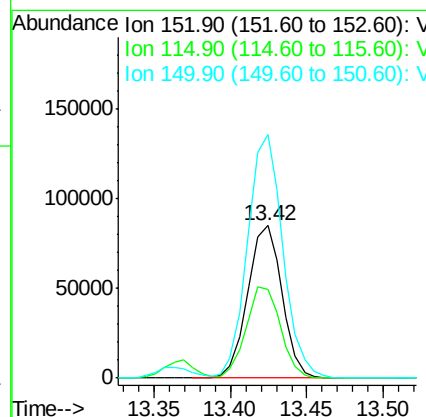
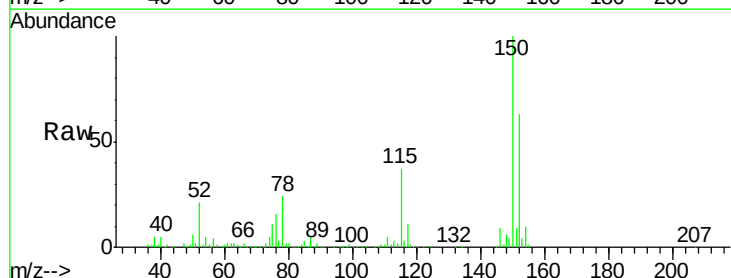
RT: 13.42 min Scan# 1917

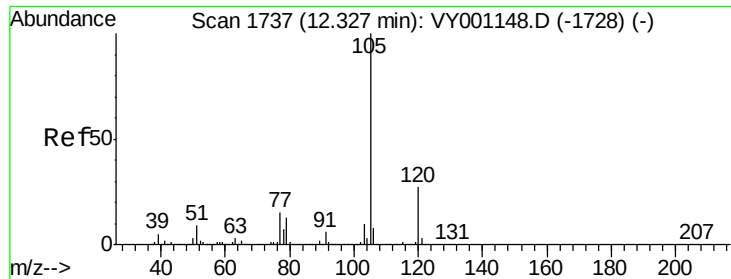
Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.9	92.5
150	164.9	0.0	346.8





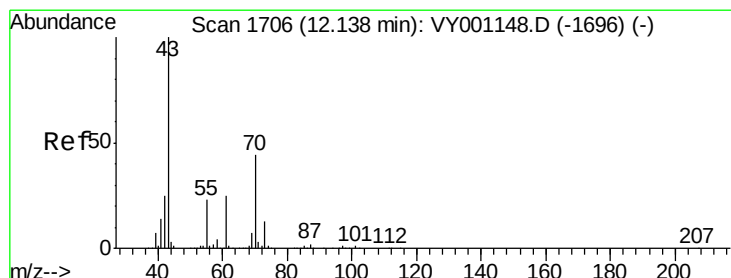
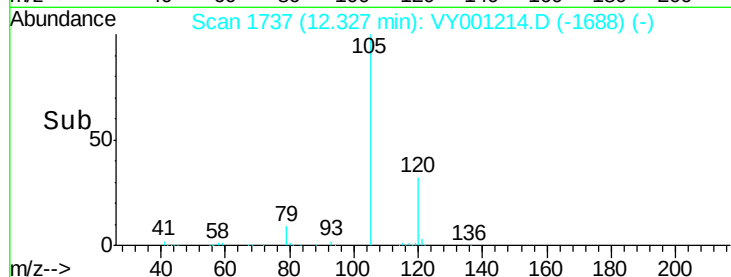
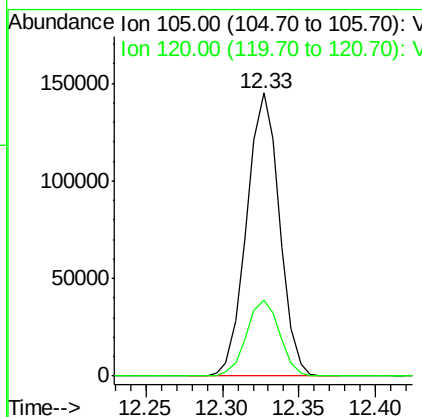
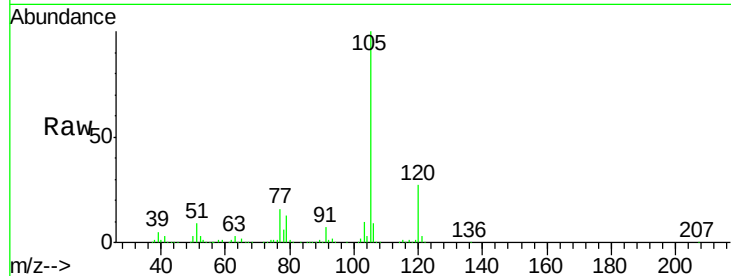
#73
Isopropylbenzene
Concen: 21.804 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.4	40.2

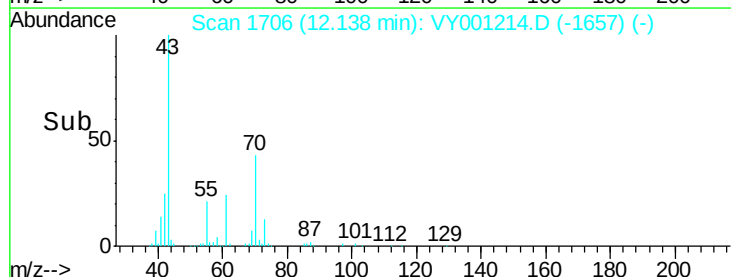
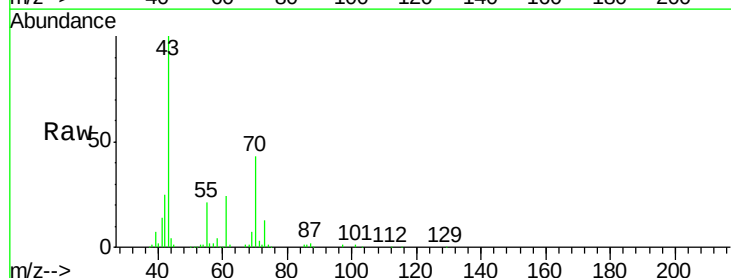
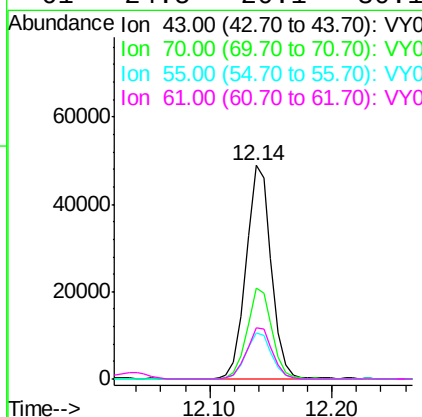
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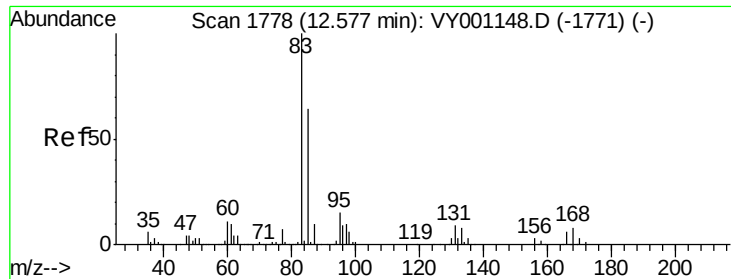
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#74
N-ethyl acetate
Concen: 22.496 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.3	35.0	52.6
55	22.2	18.4	27.6
61	24.5	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.699 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

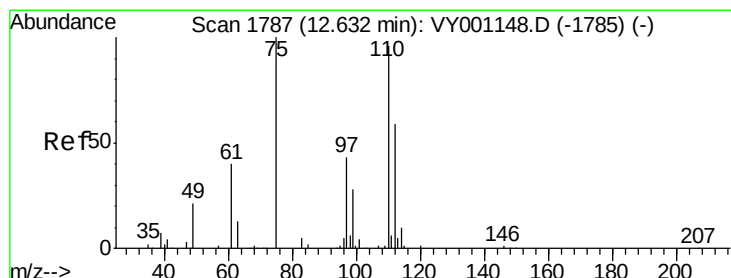
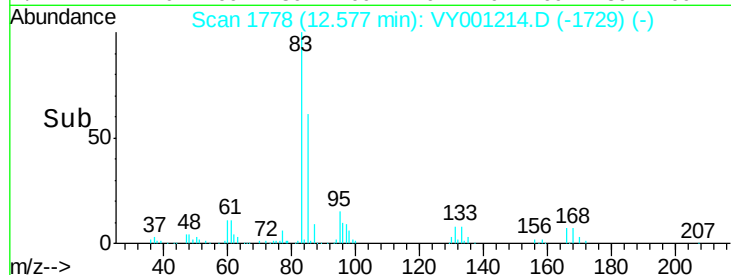
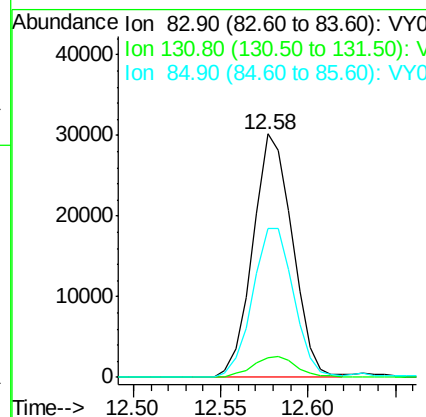
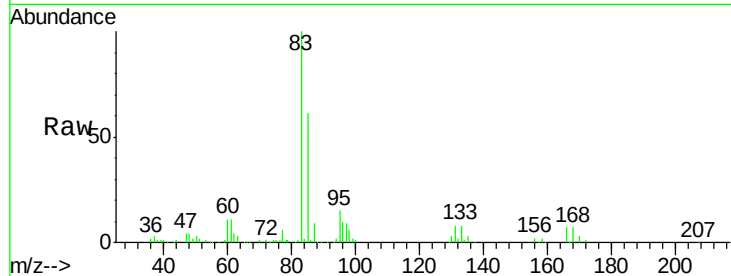
ClientSampleId :

VY0115SBS01

Tot Ion:	83	Resp:	47480
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.3
85	63.4	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 21.412 ug/l m

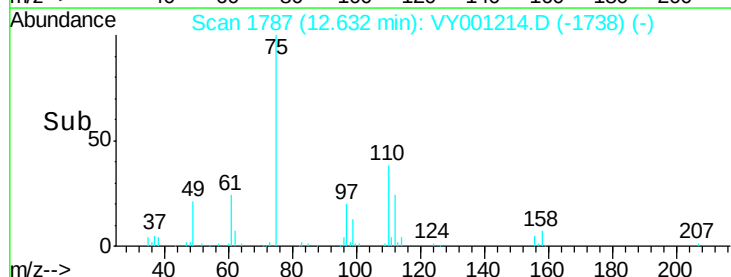
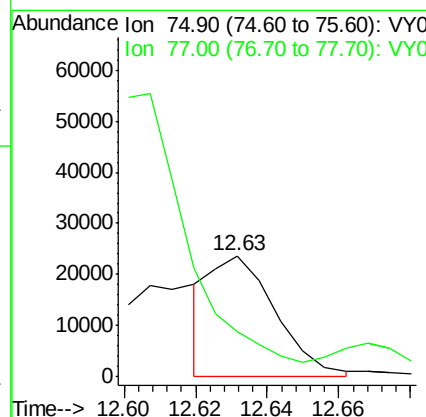
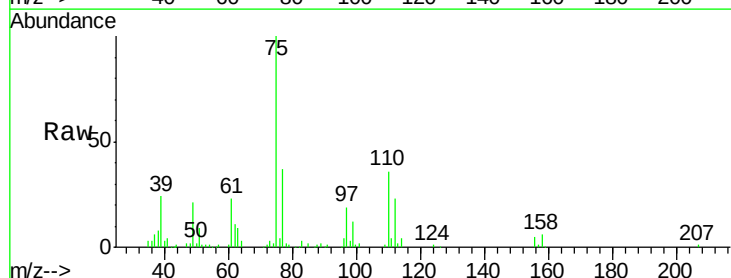
RT: 12.63 min Scan# 1787

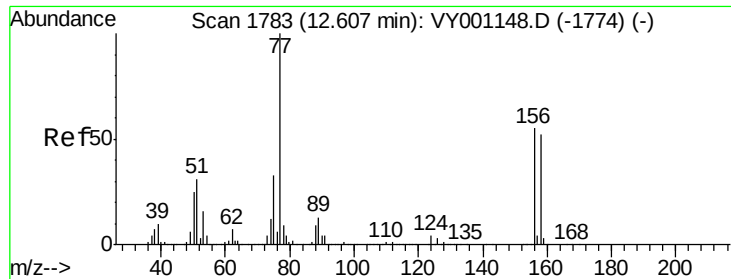
Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Tgt Ion:	75	Resp:	30313
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.157 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

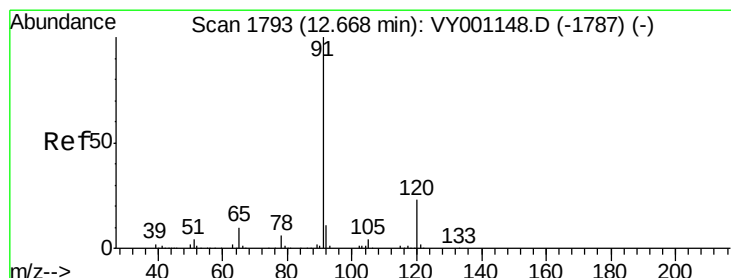
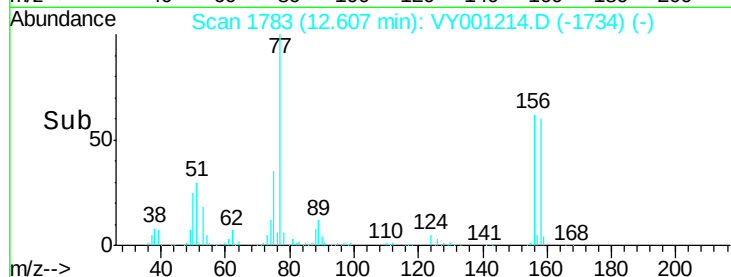
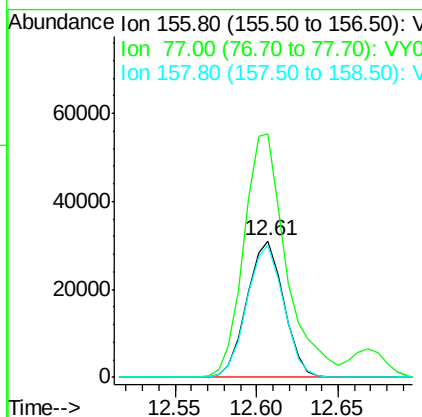
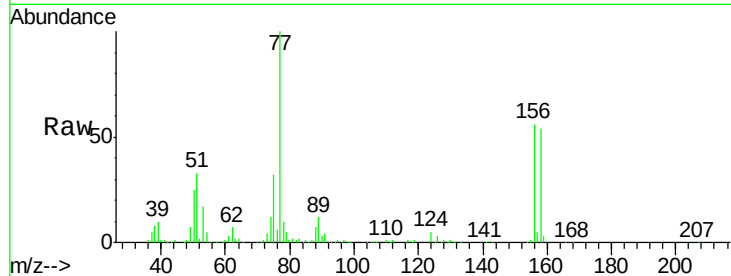
ClientSampleId :

VY0115SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	206.0	106.7	320.1
158	97.2	48.3	144.8

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#78

n-propylbenzene

Concen: 21.954 ug/l

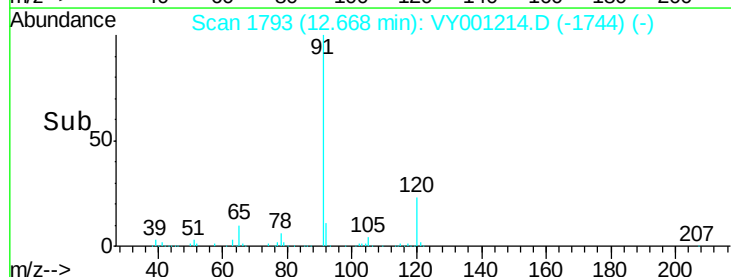
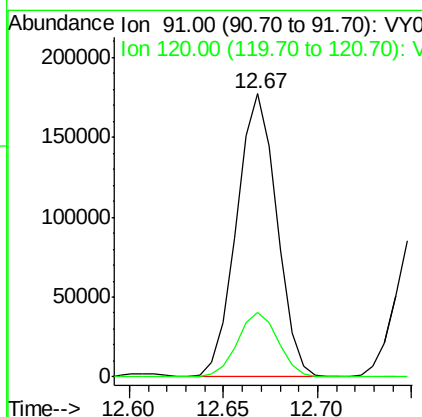
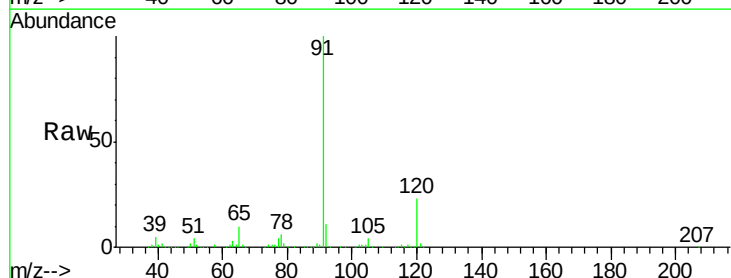
RT: 12.67 min Scan# 1793

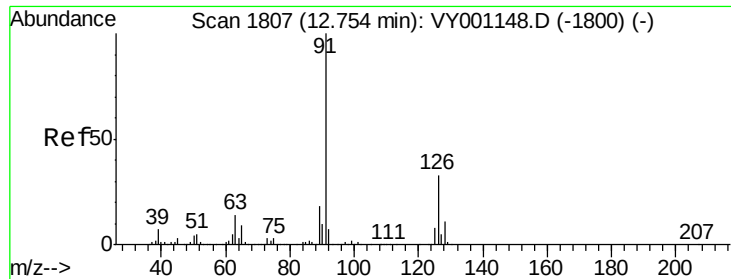
Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4





#79

2-Chlorotoluene

Concen: 21.796 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion: 91 Resp: 149694

Ion Ratio Lower Upper

91 100

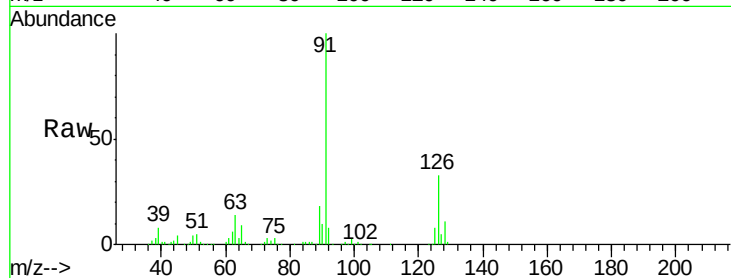
126 33.0 16.4 49.4

Manual Integrations

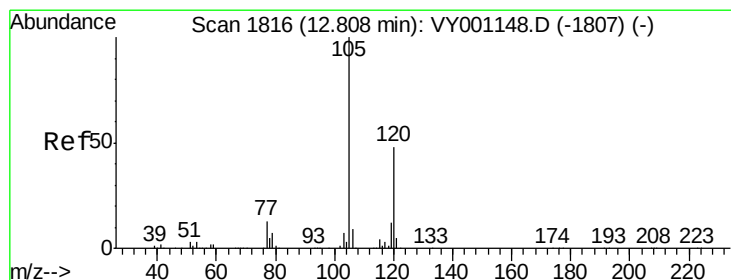
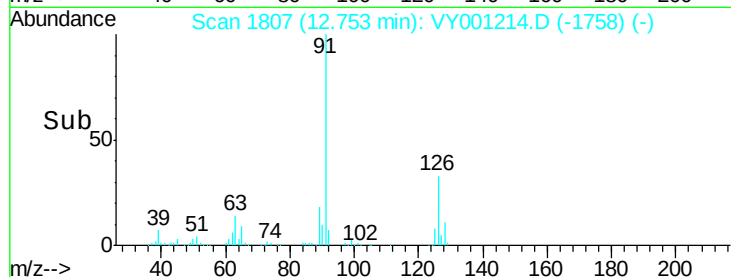
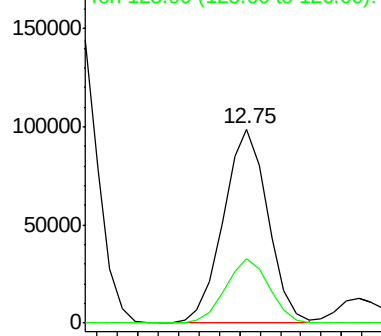
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Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.987 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001214.D

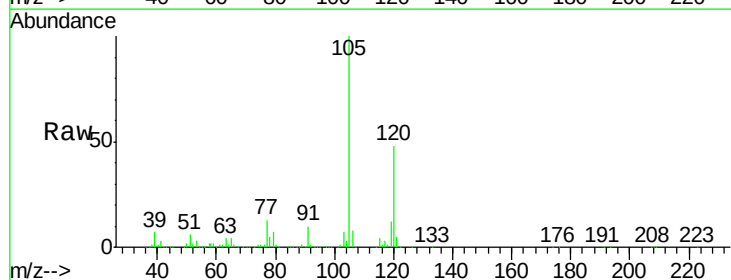
Acq: 15 Jan 2020 13:48

Tgt Ion: 105 Resp: 182392

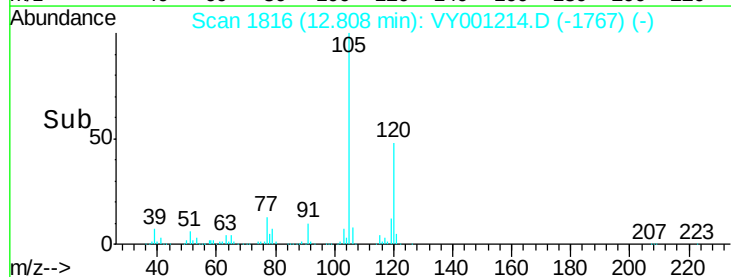
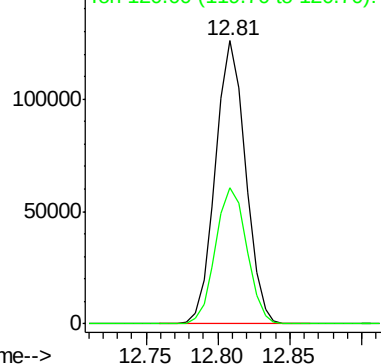
Ion Ratio Lower Upper

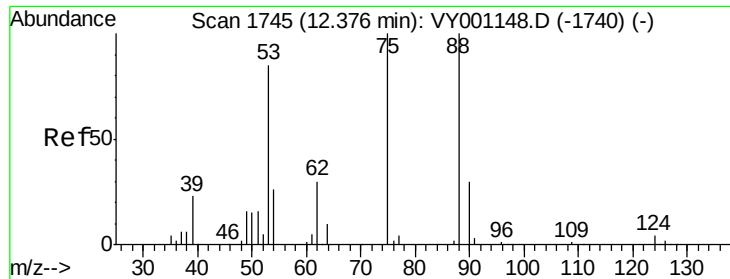
105 100

120 49.9 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.278 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion: 75 Resp: 17764

Ion Ratio Lower Upper

75 100

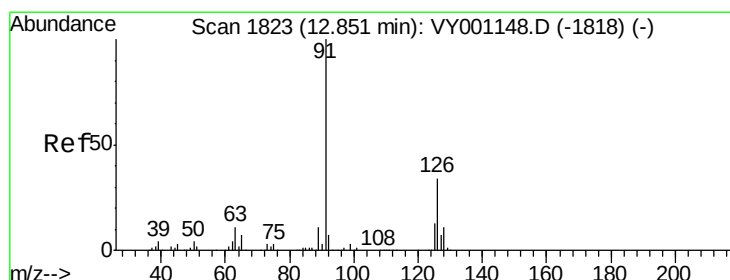
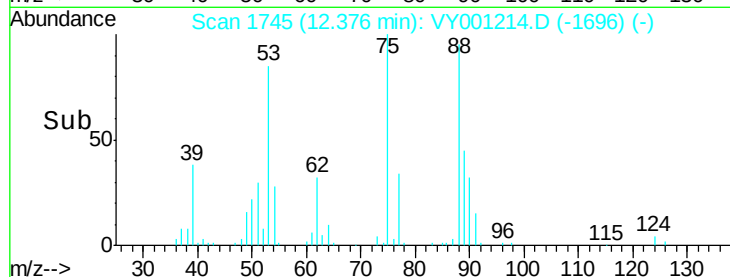
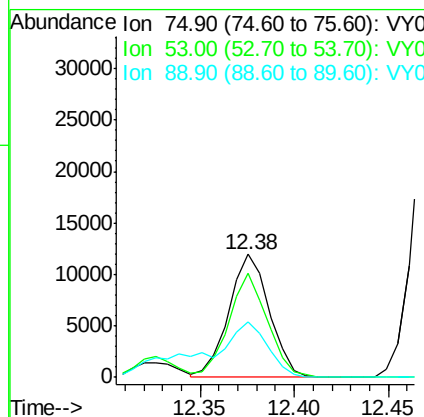
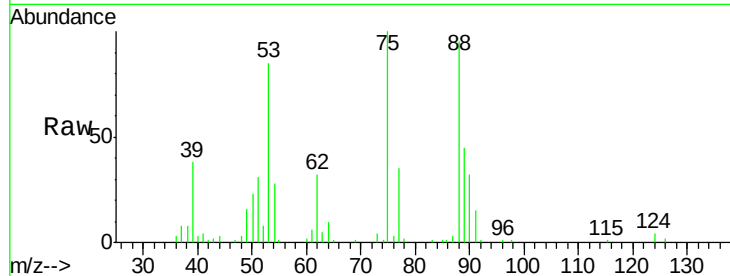
53 81.5 69.4 104.2

89 73.8 0.0 0.0#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.273 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY001214.D

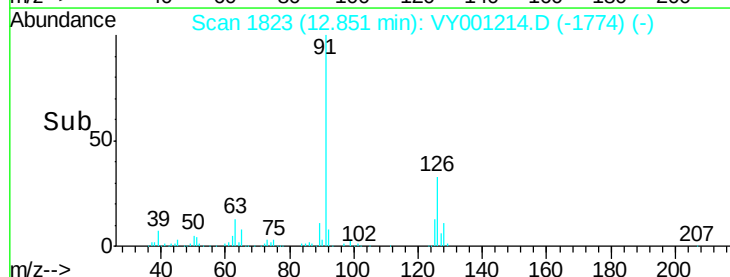
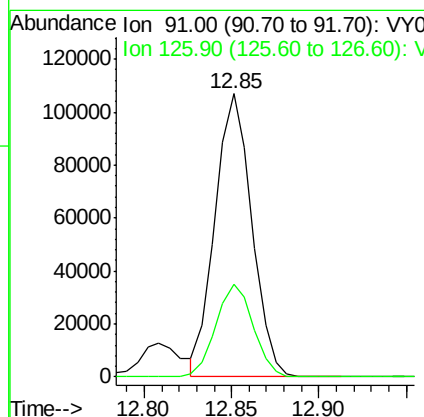
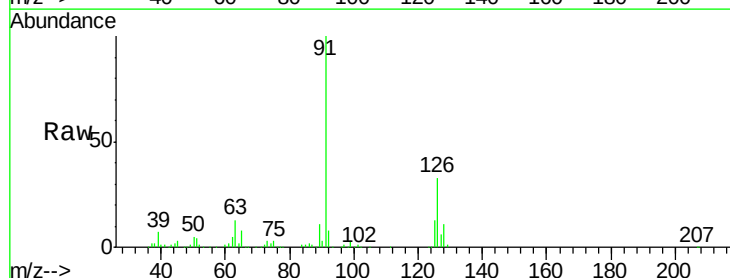
Acq: 15 Jan 2020 13:48

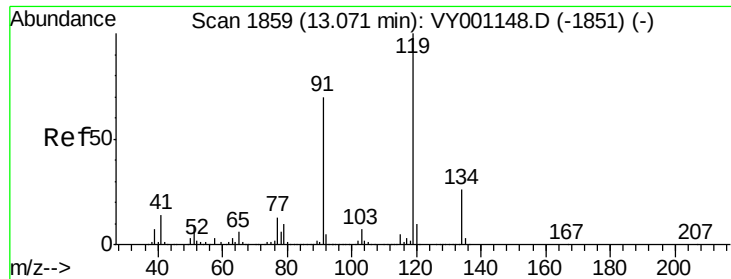
Tgt Ion: 91 Resp: 155975

Ion Ratio Lower Upper

91 100

126 33.4 16.3 48.8





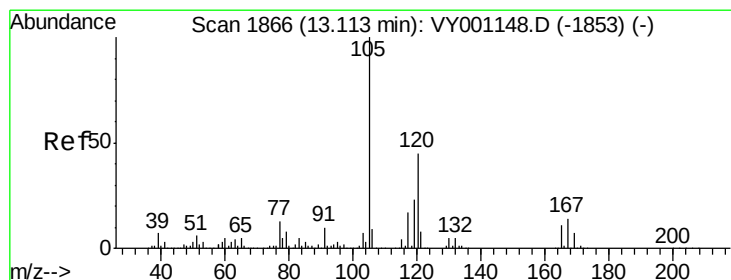
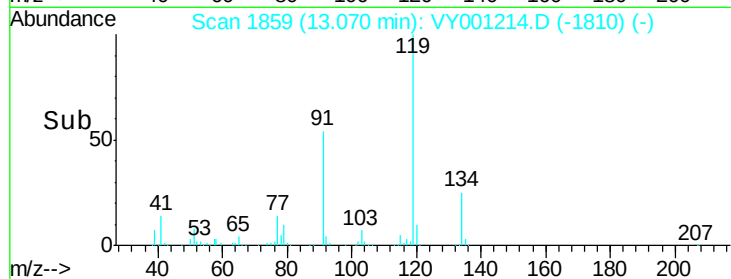
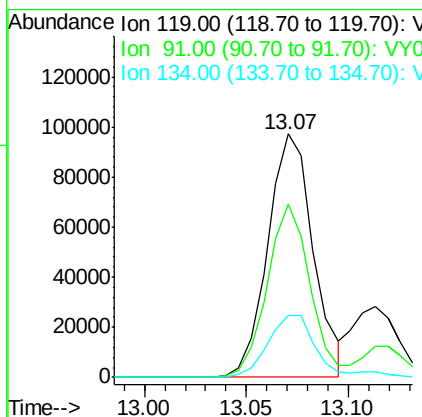
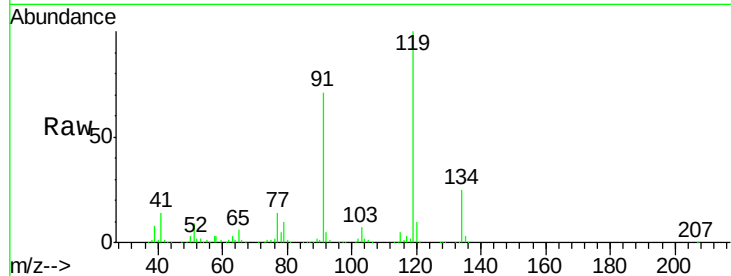
#83
 tert-Butylbenzene
 Concen: 21.699 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.9	101.7
134	27.7	13.5	40.4

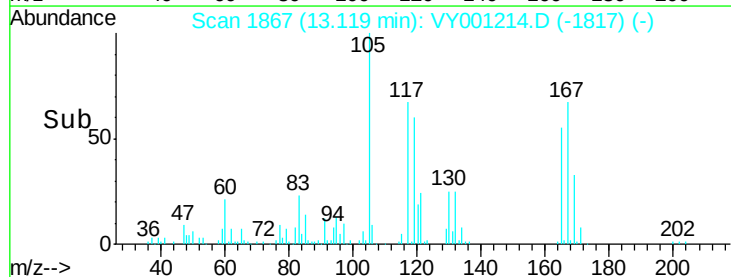
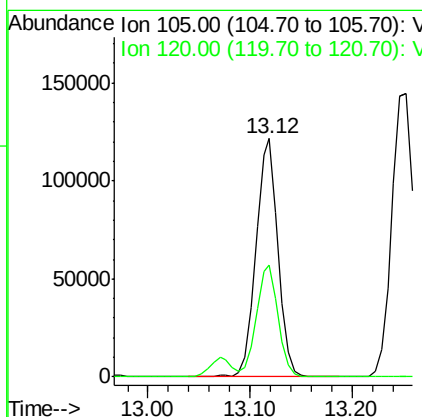
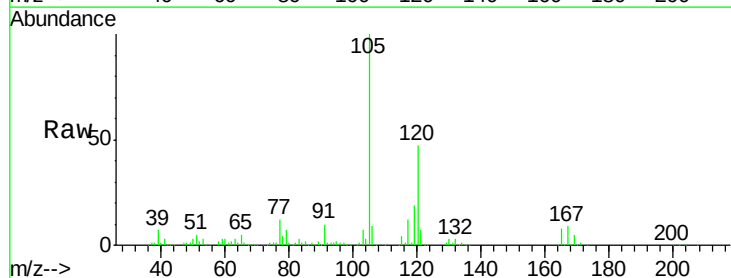
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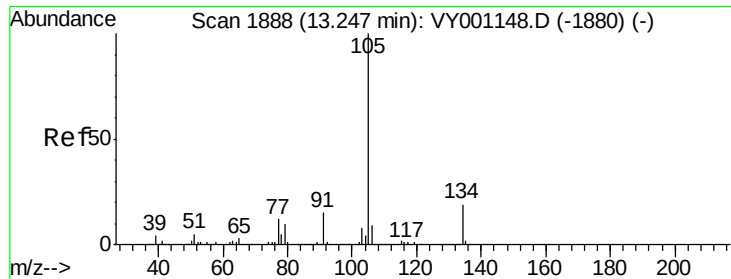
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.212 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.8	68.3





#85

sec-Butylbenzene

Concen: 22.102 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tot Ion:105 Resp: 221626

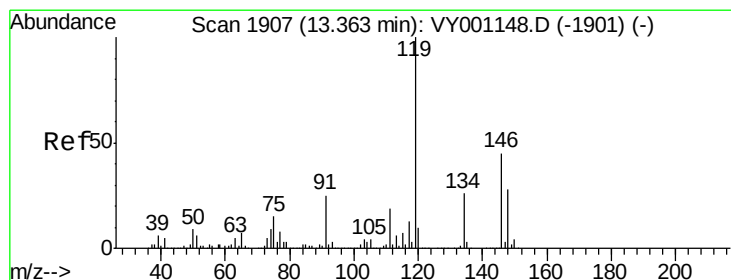
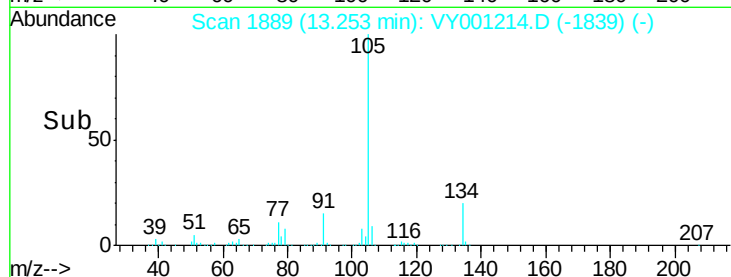
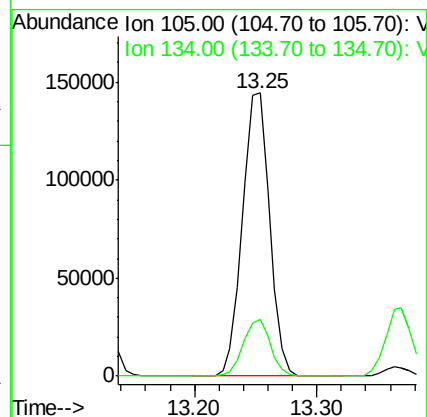
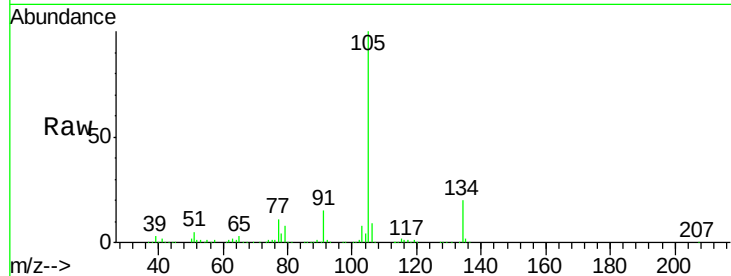
Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 22.362 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

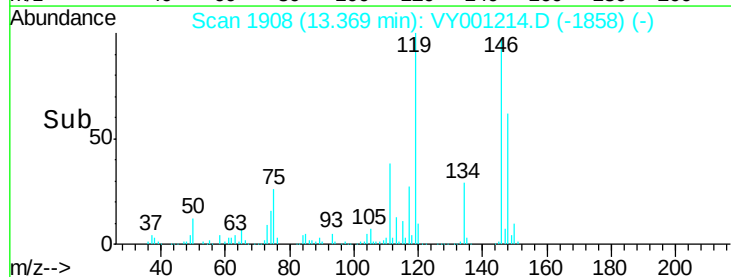
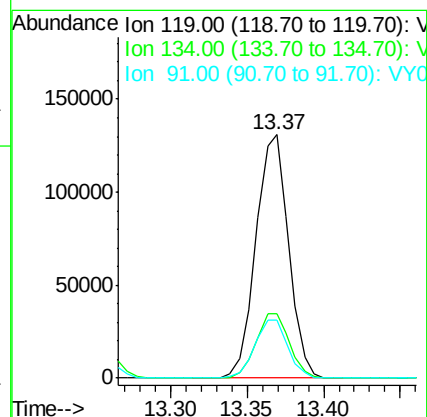
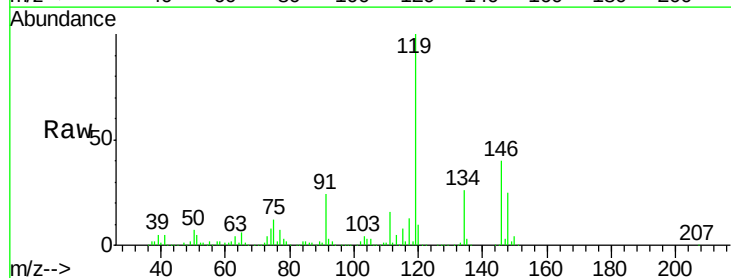
Tgt Ion:119 Resp: 194689

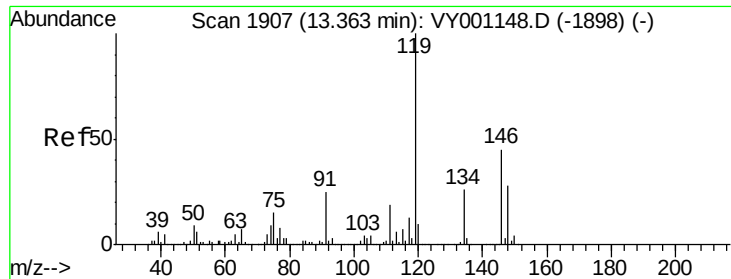
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 24.3 12.4 37.2





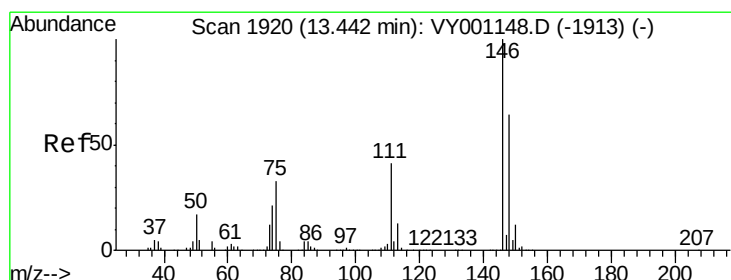
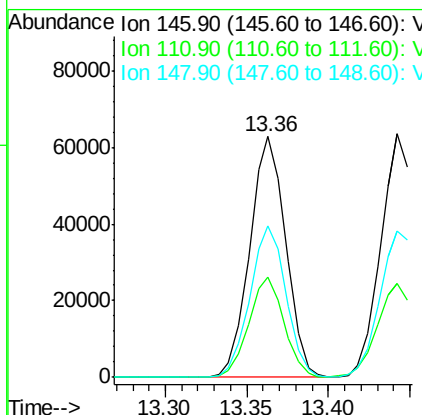
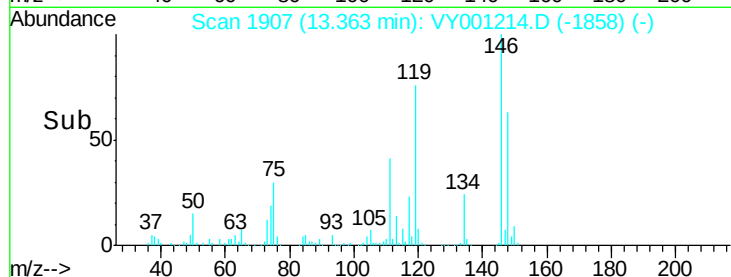
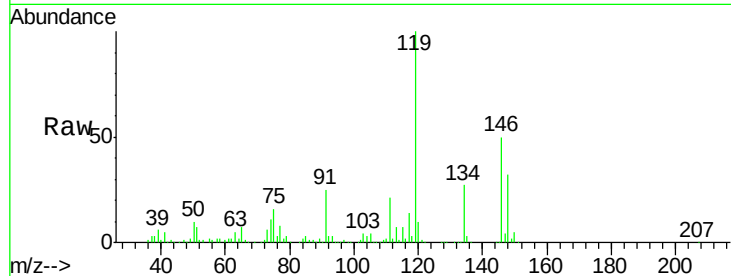
#87
 1,3-Dichlorobenzene
 Concen: 23.143 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.3	64.0
148	62.7	31.9	95.5

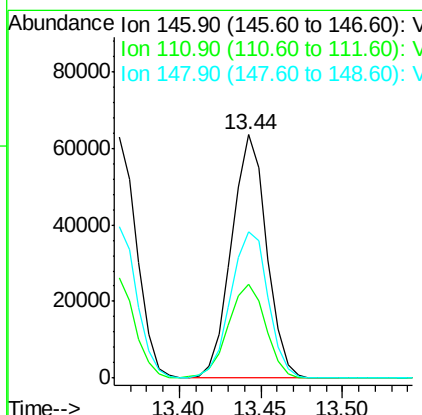
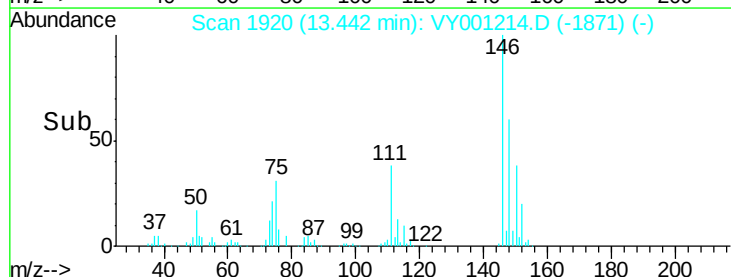
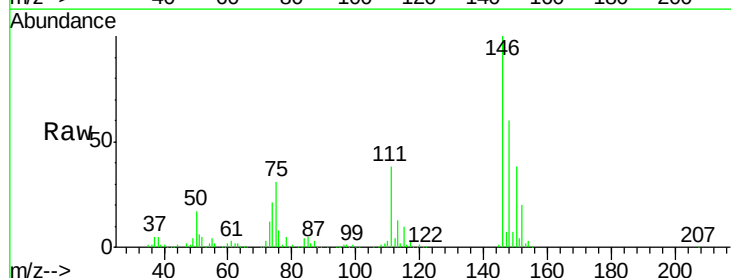
Manual Integrations
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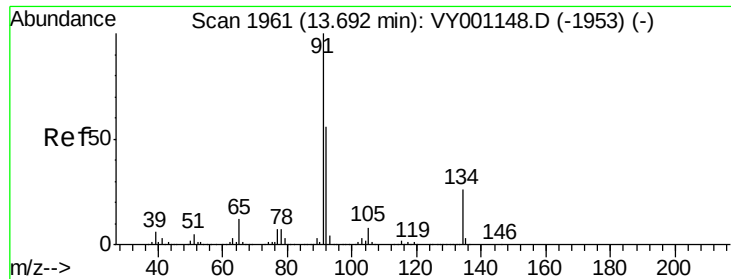
MMDadoda
 1/16/2020 9:36:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.250 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.5
148	64.3	32.0	96.2





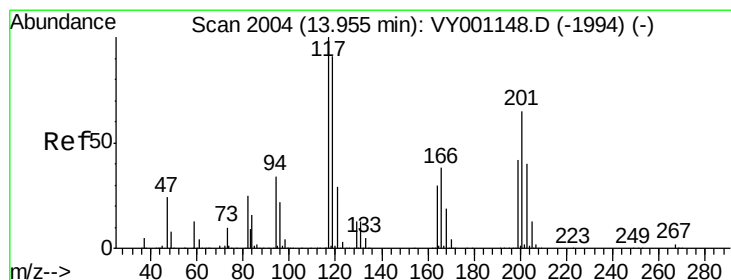
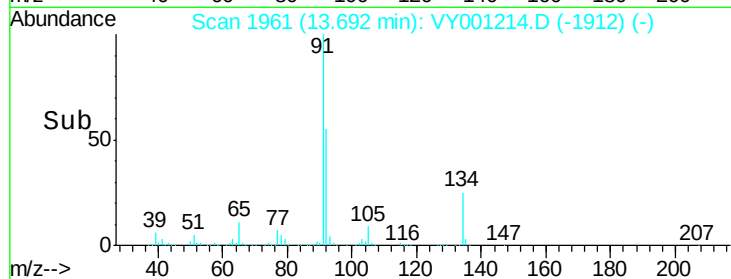
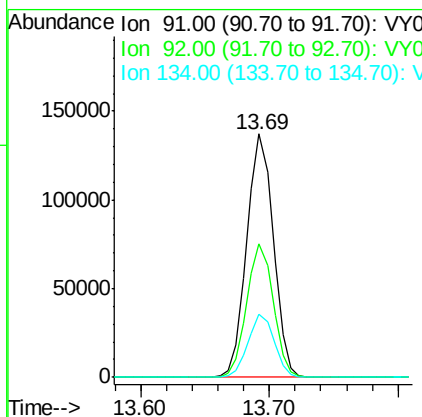
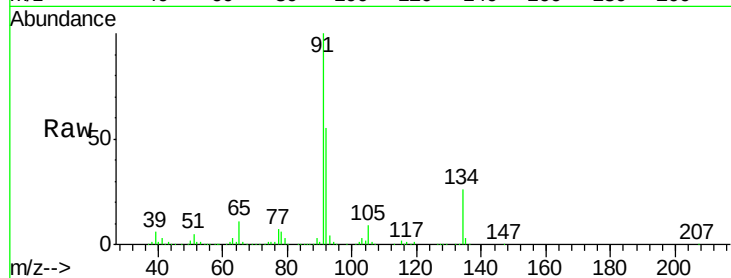
#89
n-Butylbenzene
Concen: 22.215 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.7	83.1
134	25.6	12.9	38.6

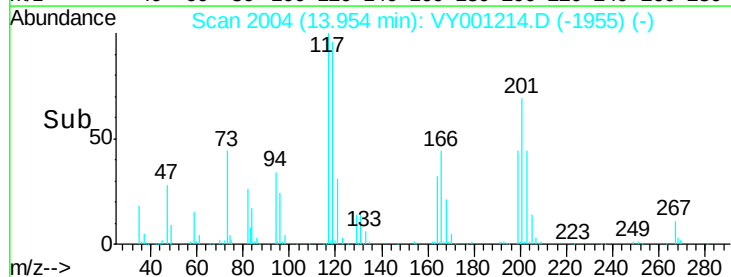
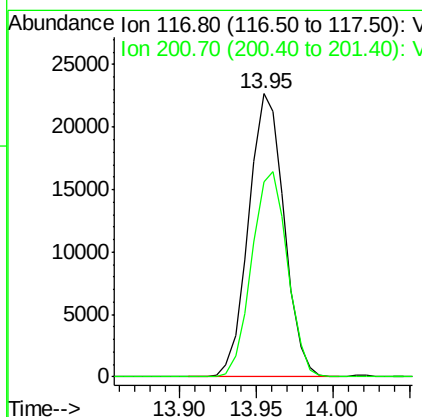
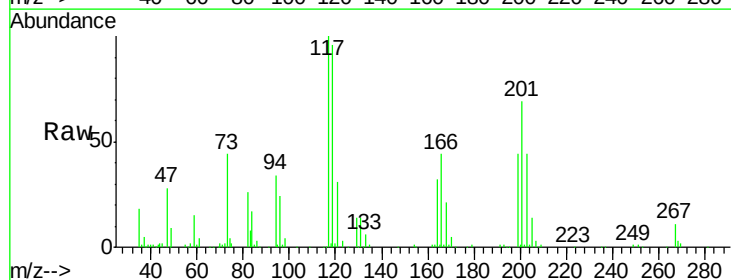
Manual Integrations
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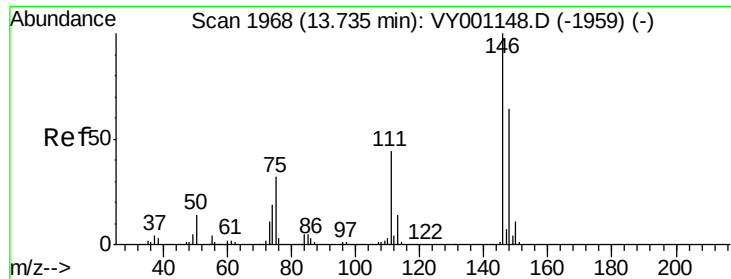
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#90
Hexachloroethane
Concen: 21.458 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	35.4	106.2





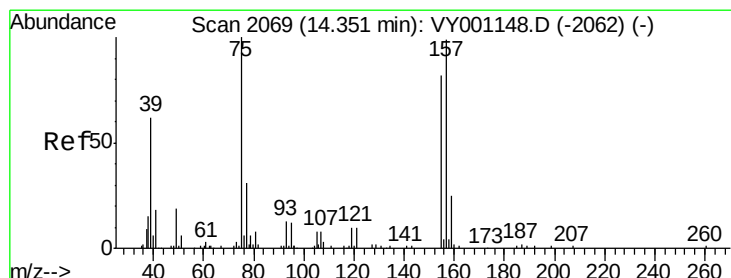
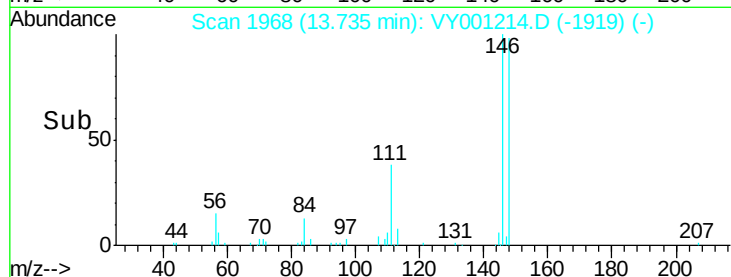
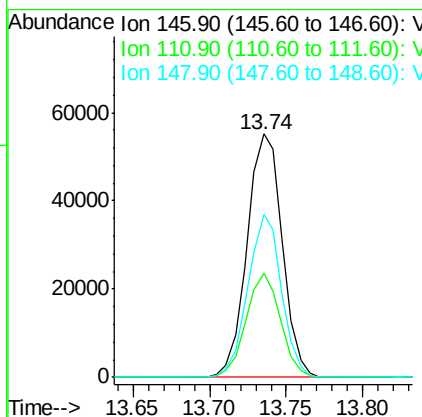
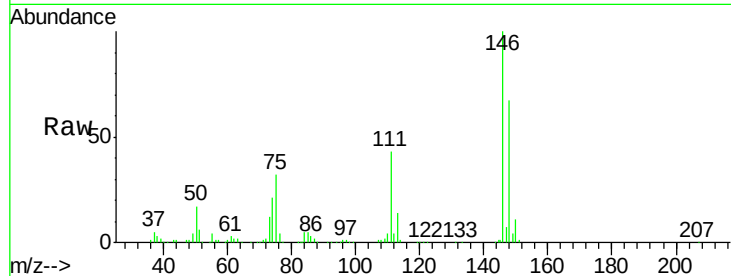
#91
 1,2-Dichlorobenzene
 Concen: 22.792 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.0	66.0
148	64.0	32.1	96.3

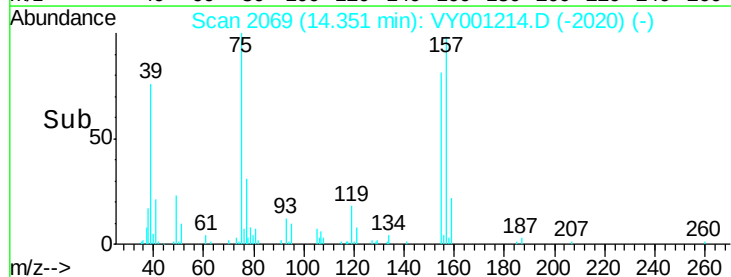
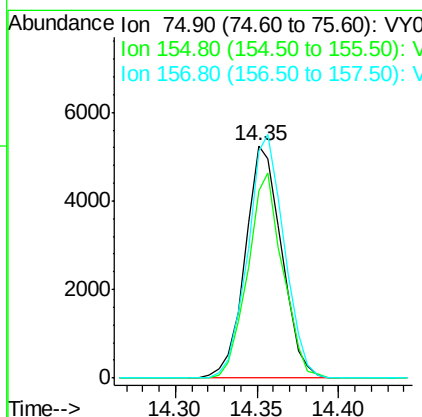
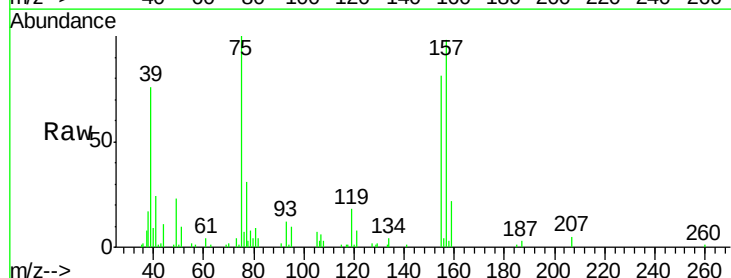
Manual Integrations
 APPROVED

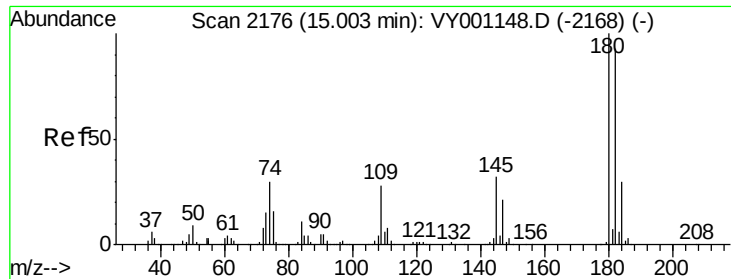
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.608 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VY001214.D
 Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	41.2	123.6
157	104.6	52.8	158.4





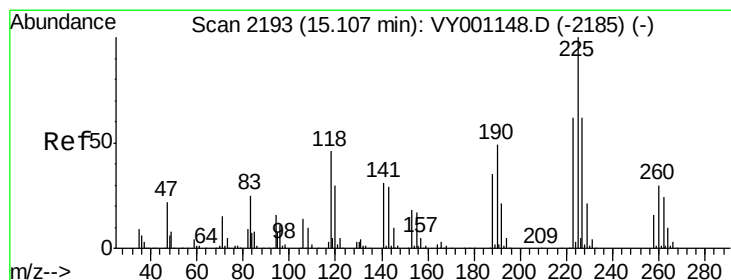
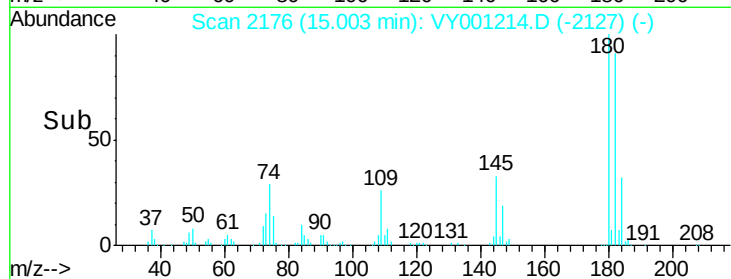
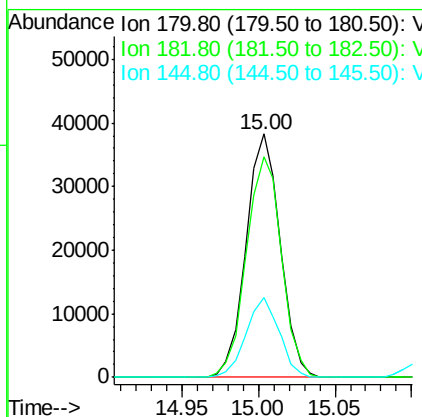
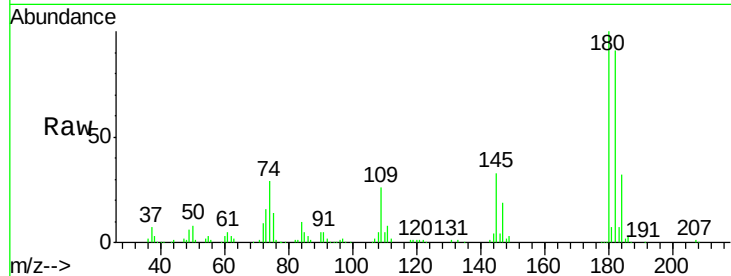
#93
1,2,4-Trichlorobenzene
Concen: 23.371 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.9	140.8
145	31.7	16.0	48.0

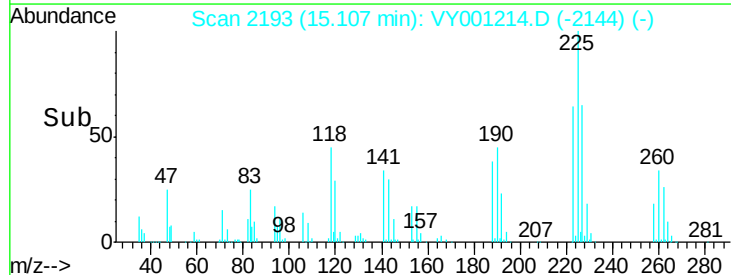
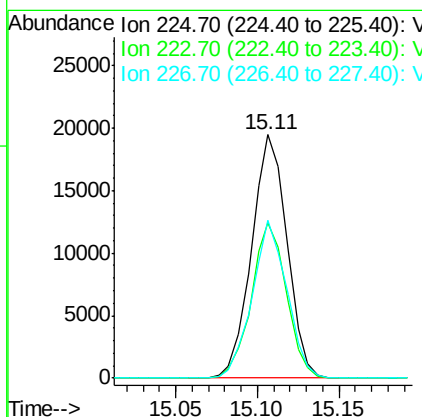
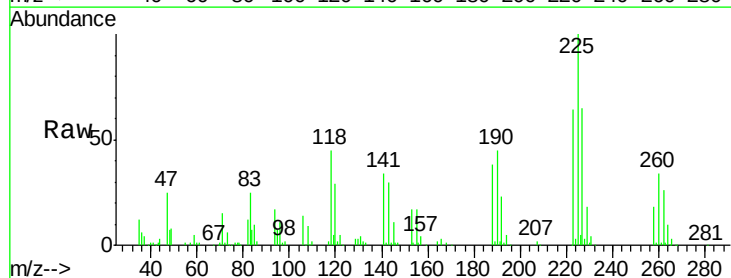
Manual Integrations
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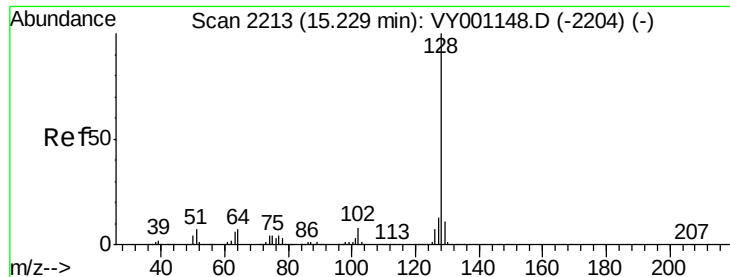
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#94
Hexachlorobutadiene
Concen: 22.955 ug/l
RT: 15.11 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VY001214.D
Acq: 15 Jan 2020 13:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.3
227	63.6	31.3	93.9





#95

Naphthalene

Concen: 23.094 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Instrument :

MSVOA_Y

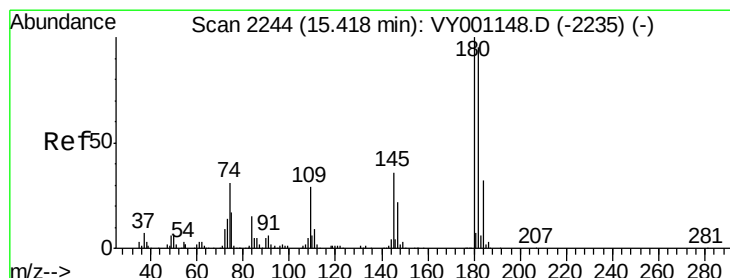
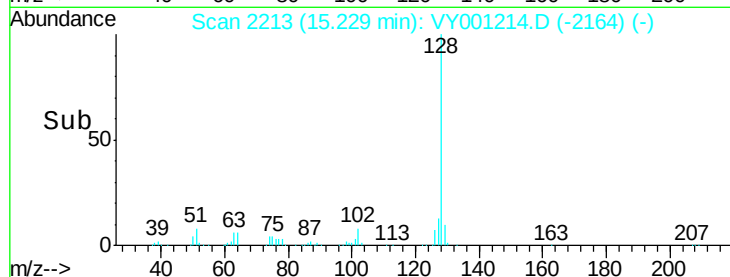
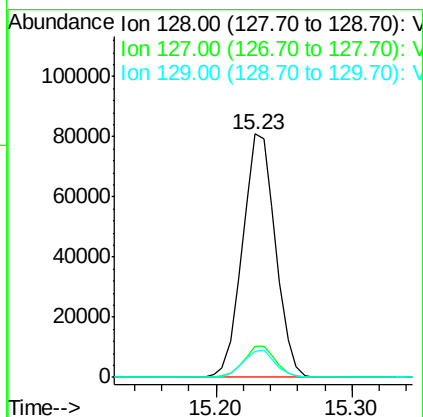
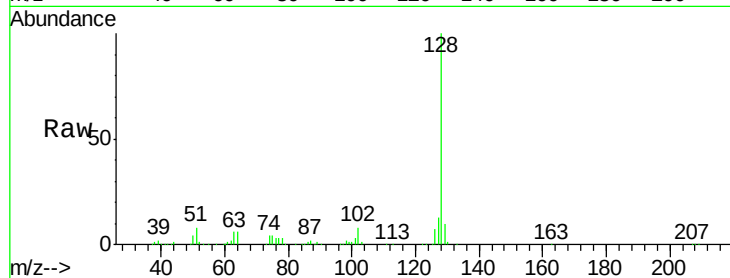
ClientSampleId :

VY0115SBS01

Tot Ion:	128	Resp:	136774
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.493 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY001214.D

Acq: 15 Jan 2020 13:48

Tgt Ion:	180	Resp:	52674
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.5	142.5
145	32.4	17.1	51.3

