

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001237.D
 Acq On : 15 Jan 2020 23:21
 Operator : SY/MD
 Sample : VY0115SBS02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:45 AM

Quant Time: Jan 16 06:47:02 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	172331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	306318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	269231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	124967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	98972	54.38	ug/l	0.00
Spiked Amount						
			Recovery	=	108.76%	
35) Dibromofluoromethane	7.73	113	91026	50.75	ug/l	0.00
Spiked Amount						
			Recovery	=	101.50%	
50) Toluene-d8	10.18	98	373358	54.03	ug/l	0.00
Spiked Amount						
			Recovery	=	108.06%	
62) 4-Bromofluorobenzene	12.48	95	133274	47.17	ug/l	0.00
Spiked Amount						
			Recovery	=	94.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	30771	23.250	ug/l	98
3) Chloromethane	2.12	50	44205	23.172	ug/l	99
4) Vinyl Chloride	2.26	62	45701	23.779	ug/l	98
5) Bromomethane	2.65	94	32194	31.185	ug/l	93
6) Chloroethane	2.79	64	29154	26.257	ug/l	99
7) Trichlorofluoromethane	3.13	101	58150	21.737	ug/l	96
8) Diethyl Ether	3.54	74	25258	24.298	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	37172	21.587	ug/l	99
10) Methyl Iodide	4.10	142	49585	21.038	ug/l	98
11) Tert butyl alcohol	4.97	59	26963	147.236	ug/l	99
12) 1,1-Dichloroethene	3.88	96	39132	22.212	ug/l	96
13) Acrolein	3.74	56	18575	112.670	ug/l	99
14) Allyl chloride	4.49	41	68877	23.165	ug/l	98
15) Acrylonitrile	5.18	53	63016	121.213	ug/l	99
16) Acetone	3.96	43	51397	121.590	ug/l	98
17) Carbon Disulfide	4.20	76	126459	22.178	ug/l	100
18) Methyl Acetate	4.49	43	33475	23.952	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	113770	23.346	ug/l	98
20) Methylene Chloride	4.72	84	55488	25.457	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	45217	22.636	ug/l	96
22) Diisopropyl ether	6.13	45	140890	23.199	ug/l	98
23) Vinyl Acetate	6.07	43	458370	118.016	ug/l	100
24) 1,1-Dichloroethane	6.04	63	77240	23.232	ug/l	98
25) 2-Butanone	7.00	43	84340	128.199	ug/l	98
26) 2,2-Dichloropropane	6.99	77	62740	20.521	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	51304	23.439	ug/l	98
28) Bromochloromethane	7.35	49	26739	19.585	ug/l	99
29) Tetrahydrofuran	7.36	42	55776	123.714	ug/l	95
30) Chloroform	7.52	83	74996	23.021	ug/l	100
31) Cyclohexane	7.80	56	74015	21.026	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	63595	22.002	ug/l	99
36) 1,1-Dichloropropene	7.93	75	59180	21.197	ug/l	100
37) Ethyl Acetate	7.09	43	38078	23.240	ug/l	99
38) Carbon Tetrachloride	7.91	117	54135	21.158	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	76990	20.341	ug/l	97
40) Benzene	8.17	78	184338	22.619	ug/l	96
41) Methacrylonitrile	7.33	41	19449m	25.269	ug/l	
42) 1,2-Dichloroethane	8.25	62	50940	22.322	ug/l	99
43) Isopropyl Acetate	8.28	43	70937	22.641	ug/l	99
44) Trichloroethene	8.94	130	47305	22.276	ug/l	99
45) 1,2-Dichloropropane	9.22	63	46302	22.981	ug/l	96
46) Dibromomethane	9.31	93	24972	22.716	ug/l	99
47) Bromodichloromethane	9.50	83	58849	21.966	ug/l	98
48) Methyl methacrylate	9.30	41	33088	22.821	ug/l	99
49) 1,4-Dioxane	9.31	88	7275	543.418	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	182060	114.519	ug/l	100
52) Toluene	10.25	92	114698	22.066	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	63554	21.199	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	73670	21.796	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	36846	22.609	ug/l	95
56) Ethyl methacrylate	10.51	69	53495	21.459	ug/l	98
57) 1,3-Dichloropropane	10.79	76	63632	22.744	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	95885	109.360	ug/l	100
59) 2-Hexanone	10.83	43	128502	115.334	ug/l	99
60) Dibromochloromethane	10.99	129	40882	21.788	ug/l	99
61) 1,2-Dibromoethane	11.09	107	35260	22.158	ug/l	98
64) Tetrachloroethene	10.72	164	38742	22.323	ug/l	98
65) Chlorobenzene	11.52	112	119589	22.230	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	42103	22.708	ug/l	99
67) Ethyl Benzene	11.59	91	215739	21.922	ug/l	100
68) m/p-Xylenes	11.70	106	166188	44.766	ug/l	98
69) o-Xylene	12.03	106	78621	22.089	ug/l	99
70) Styrene	12.04	104	137883	22.078	ug/l	98
71) Bromoform	12.20	173	24227	21.188	ug/l #	99
73) Isopropylbenzene	12.33	105	205411	21.865	ug/l	99
74) N-amyl acetate	12.14	43	65807	22.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	45272	22.904	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	30448m	22.760	ug/l	
77) Bromobenzene	12.61	156	47763	23.009	ug/l	95
78) n-propylbenzene	12.67	91	249437	22.073	ug/l	99
79) 2-Chlorotoluene	12.75	91	141764	21.844	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	171169	21.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	16016	20.302	ug/l #	98
82) 4-Chlorotoluene	12.85	91	146752	21.181	ug/l	97
83) tert-Butylbenzene	13.07	119	149004	22.622	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	174002	22.353	ug/l	100
85) sec-Butylbenzene	13.25	105	207778	21.928	ug/l	100
86) p-Isopropyltoluene	13.37	119	181739	22.090	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	90310	23.004	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	89539	22.160	ug/l	100
89) n-Butylbenzene	13.69	91	177727	21.449	ug/l	99
90) Hexachloroethane	13.96	117	34605	21.527	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	82372	22.576	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7199	20.191	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	51910	21.593	ug/l	98
94) Hexachlorobutadiene	15.11	225	26010	21.477	ug/l	97
95) Naphthalene	15.23	128	123384	22.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	46568	21.980	ug/l	99

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

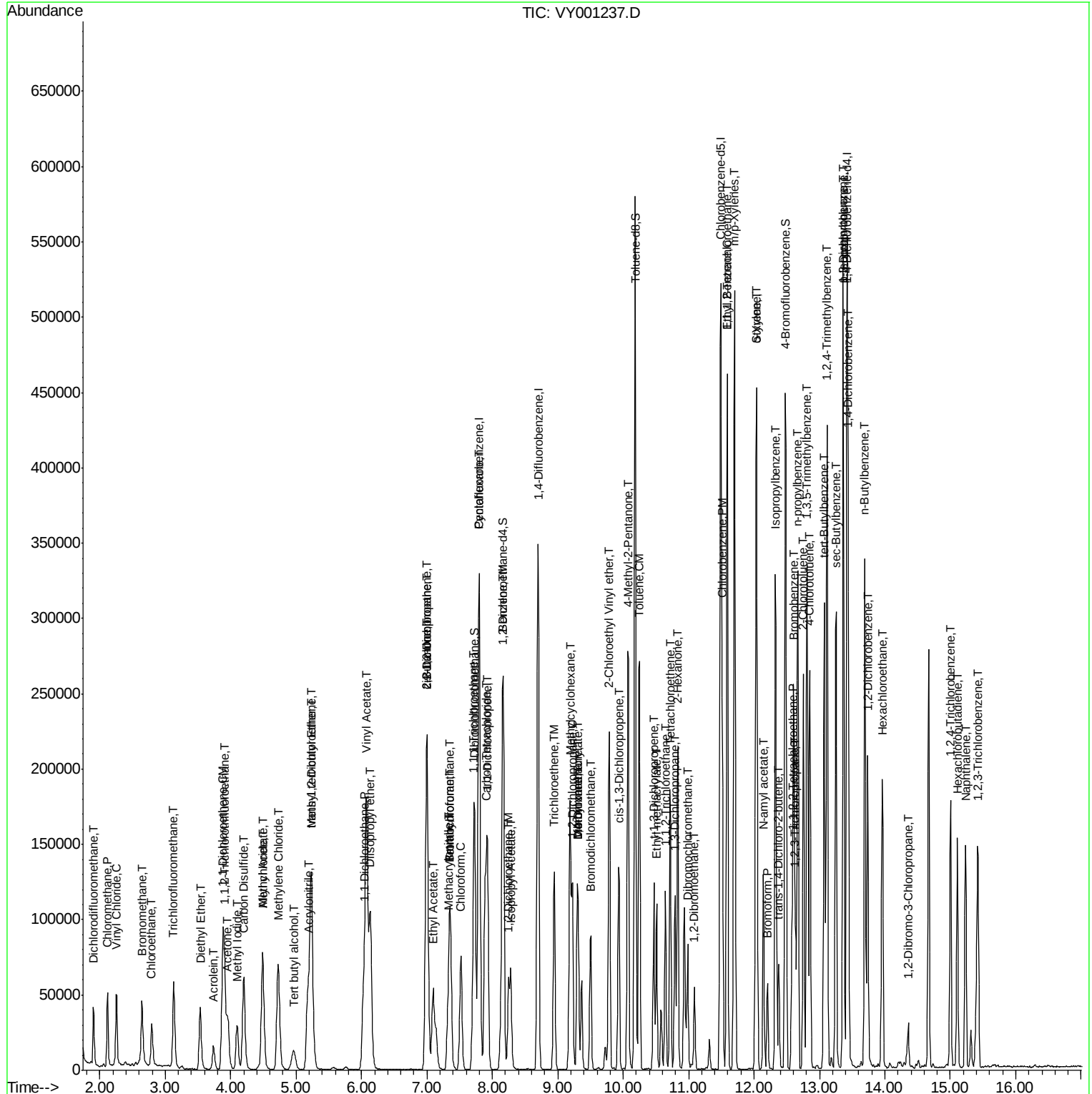
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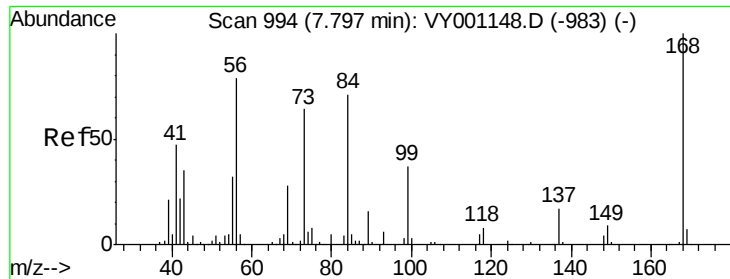
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion:168 Resp: 172331

Ion Ratio Lower Upper

168 100

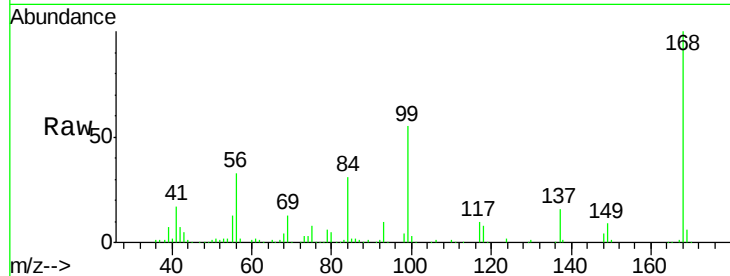
99 55.3 47.9 71.9

Manual Integrations

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1/16/2020 9:36:45 AM



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

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

7.80

80000

60000

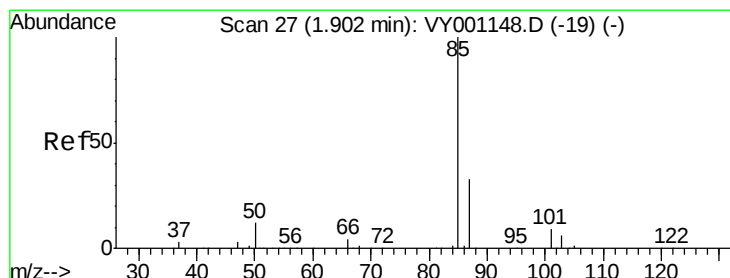
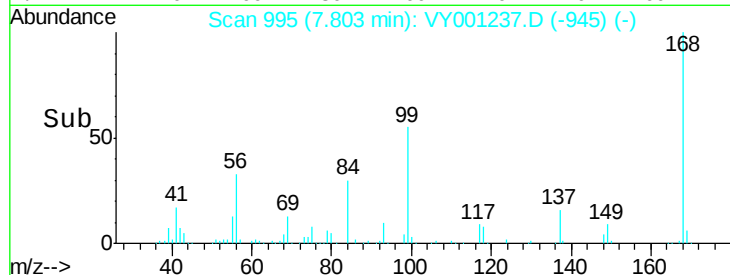
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 23.250 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001237.D

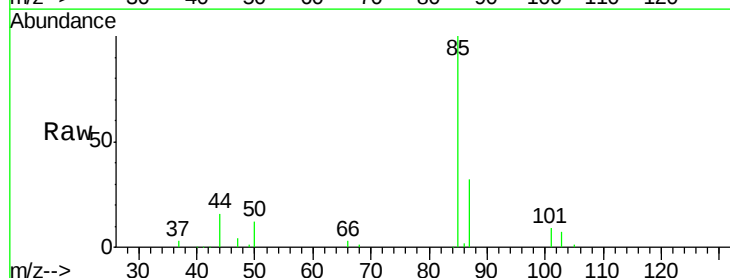
Acq: 15 Jan 2020 23:21

Tgt Ion: 85 Resp: 30771

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.2



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

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

1.90

25000

20000

15000

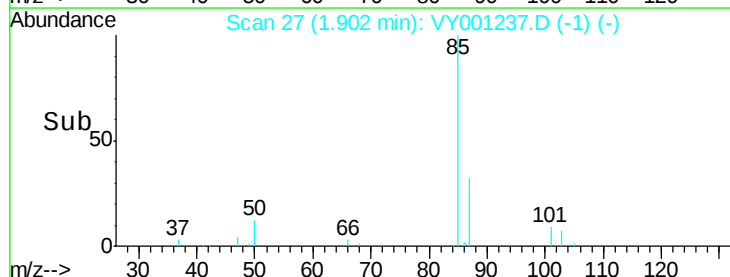
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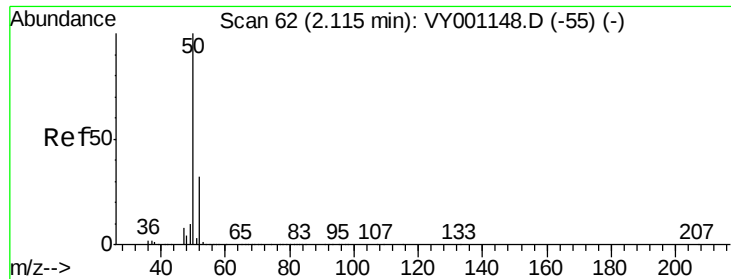
5000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 23.172 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 50 Resp: 44205

Ion Ratio Lower Upper

50 100

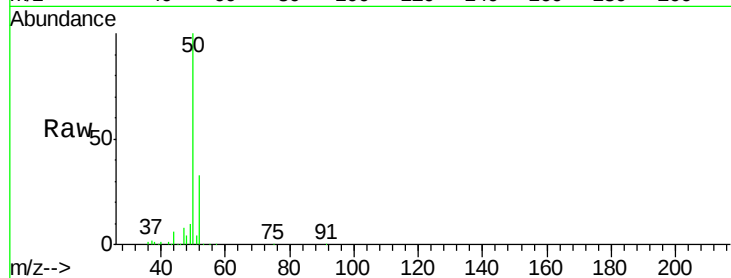
52 33.0 25.8 38.6

Manual Integrations

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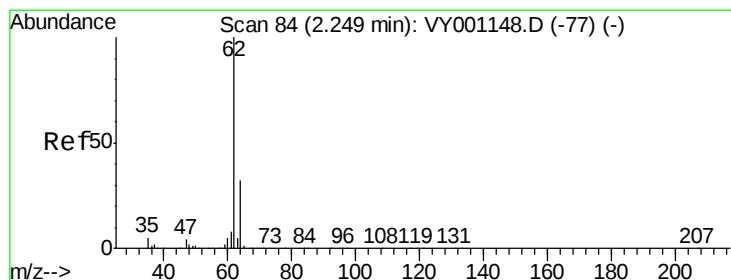
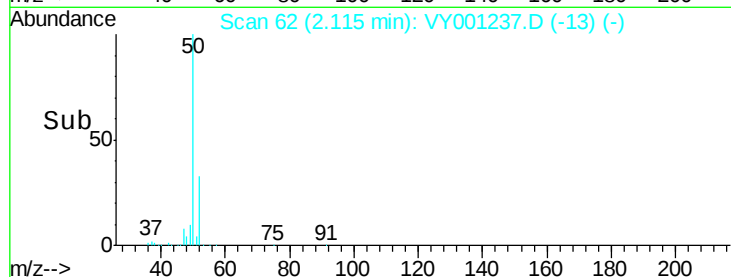
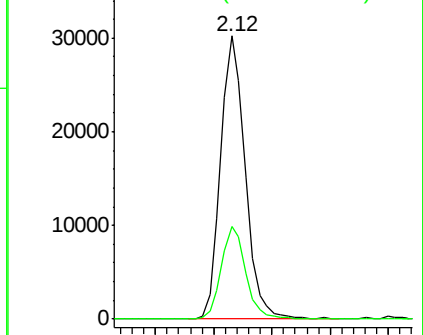
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 23.779 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001237.D

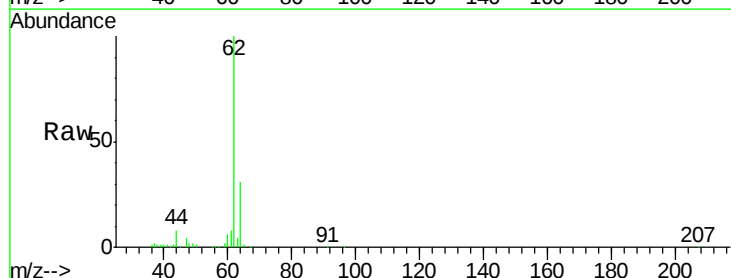
Acq: 15 Jan 2020 23:21

Tgt Ion: 62 Resp: 45701

Ion Ratio Lower Upper

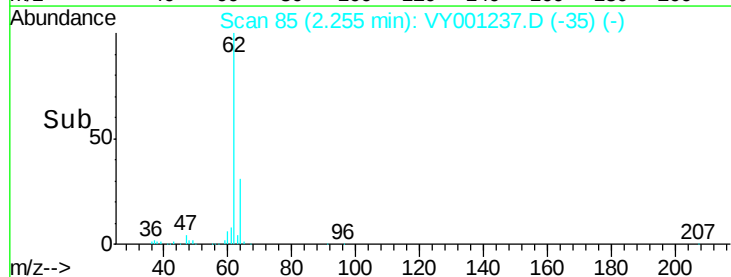
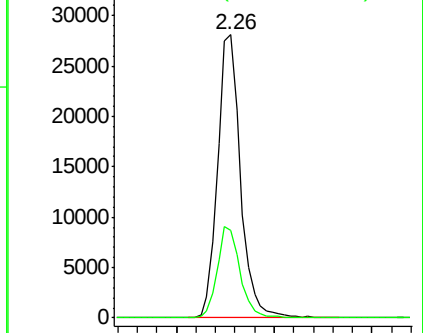
62 100

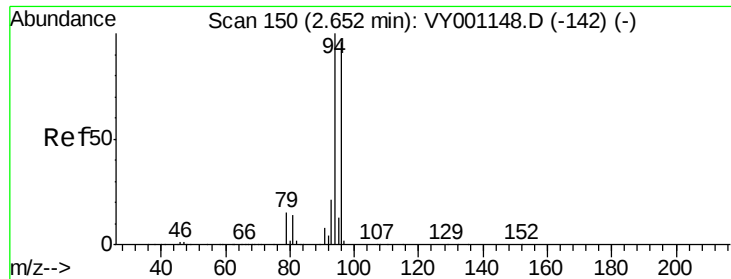
64 30.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 31.185 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY001237.D

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Tot Ion: 94 Resp: 32194

Ion Ratio Lower Upper

94 100

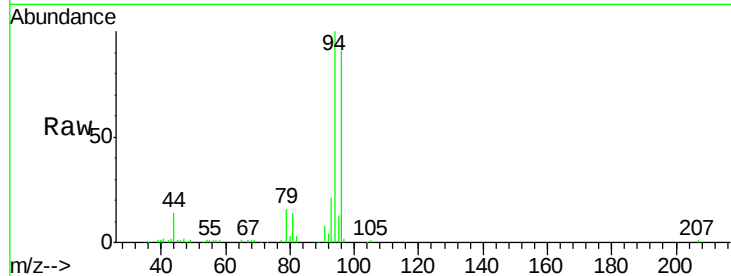
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Manual Integrations

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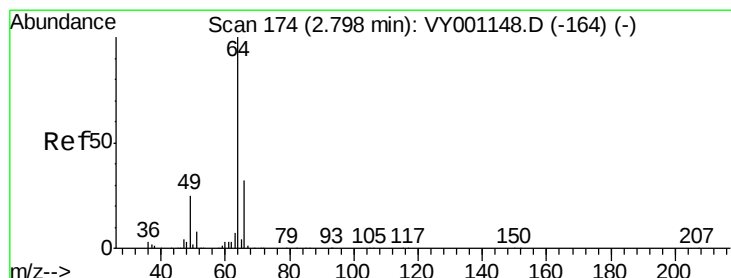
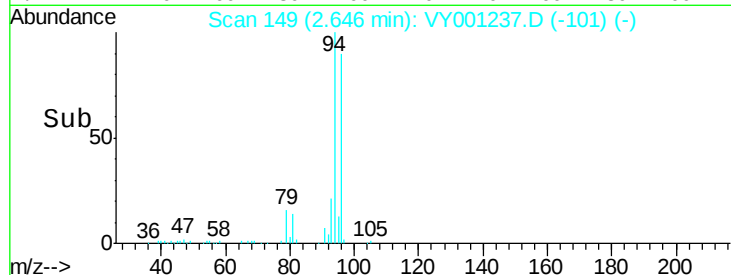
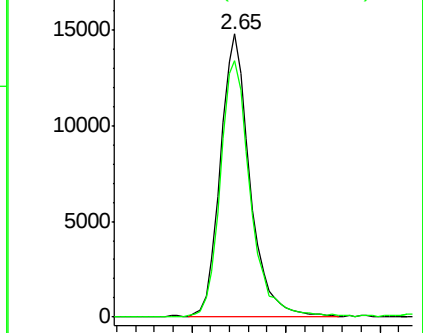
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 26.257 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY001237.D

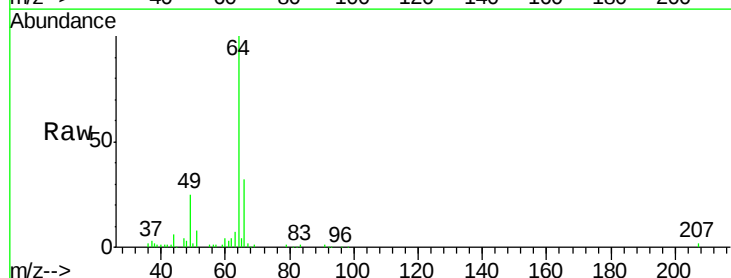
Acq: 15 Jan 2020 23:21

Tgt Ion: 64 Resp: 29154

Ion Ratio Lower Upper

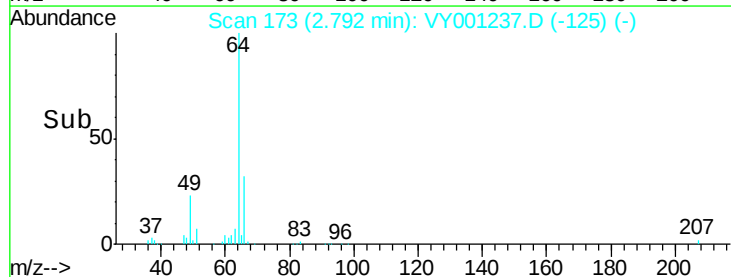
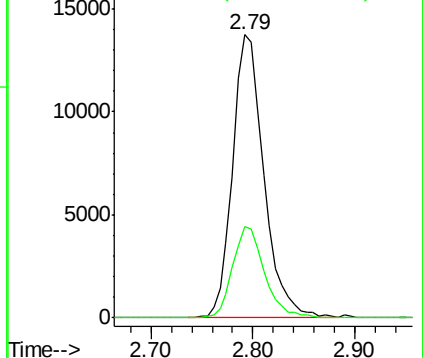
64 100

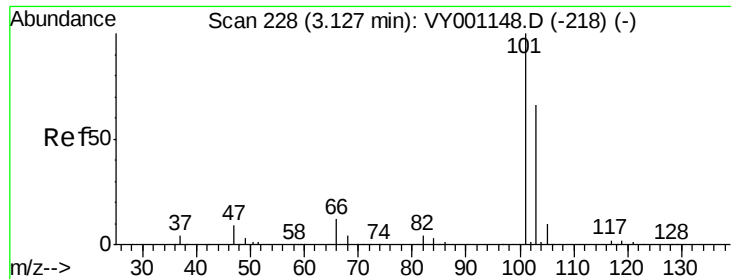
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

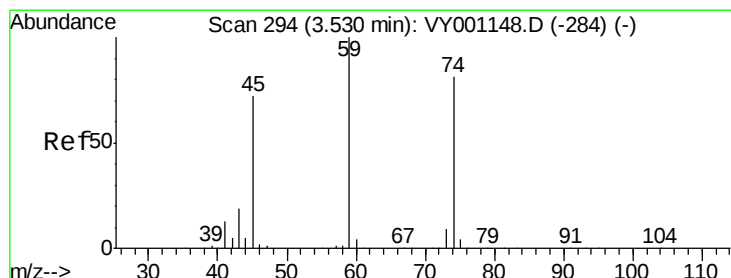
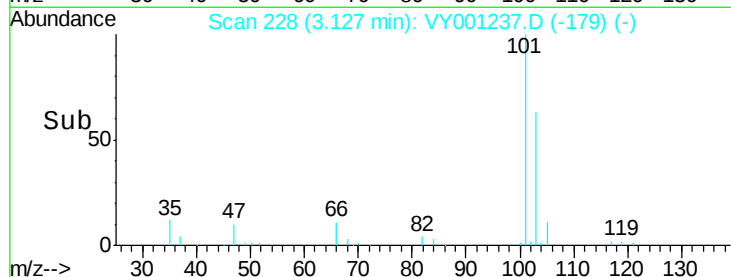
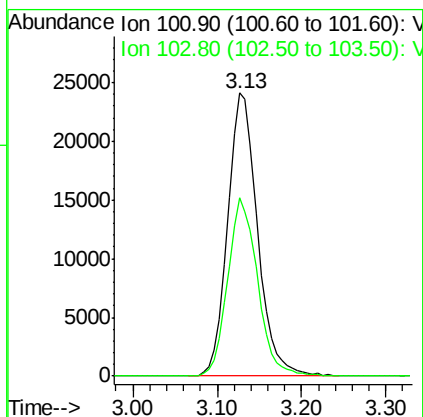
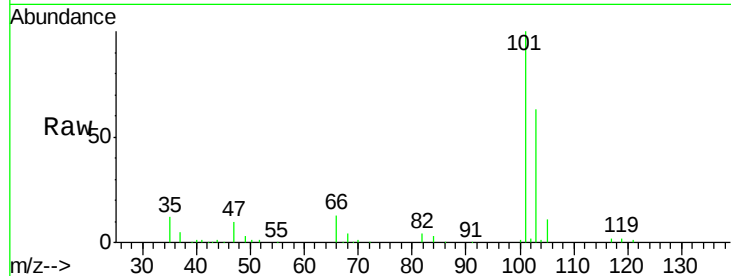
Trichlorofluoromethane
Concen: 21.737 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001237.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.6	79.0

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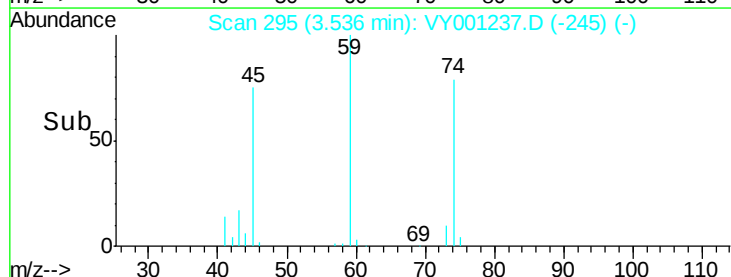
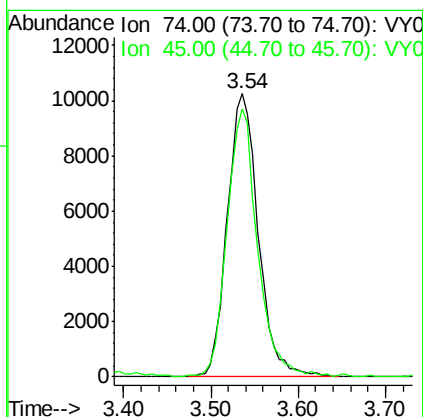
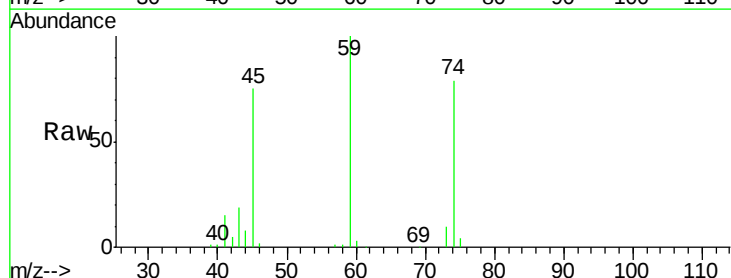
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1/16/2020 9:36:45 AM

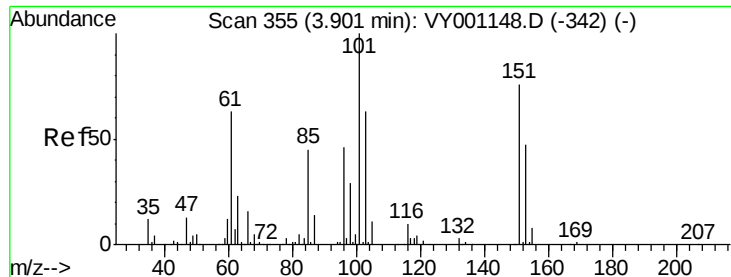


#8

Diethyl Ether
Concen: 24.298 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.587 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

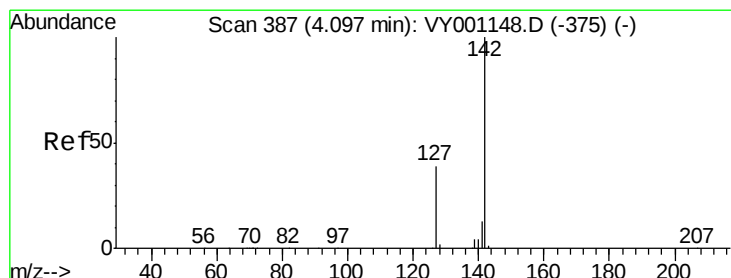
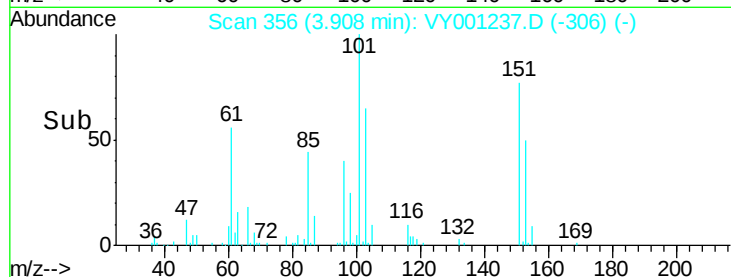
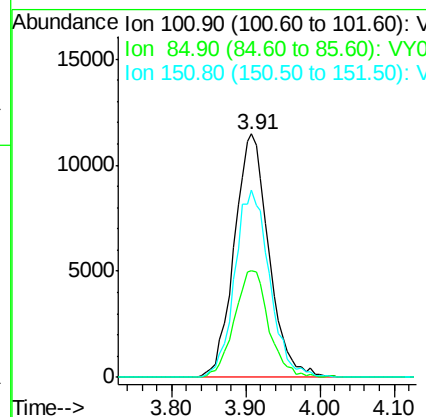
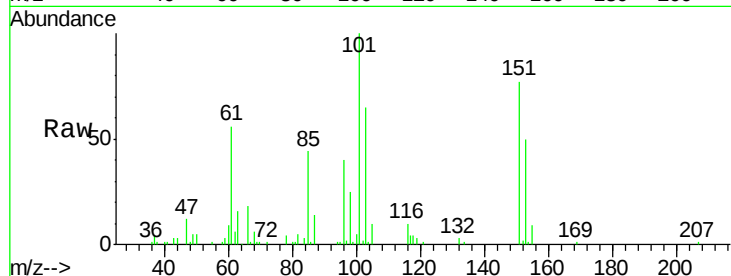
ClientSampleId :

VY0115SBS02

Tot Ion:	101	Resp:	37172
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.2	52.8
151	77.7	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.038 ug/l

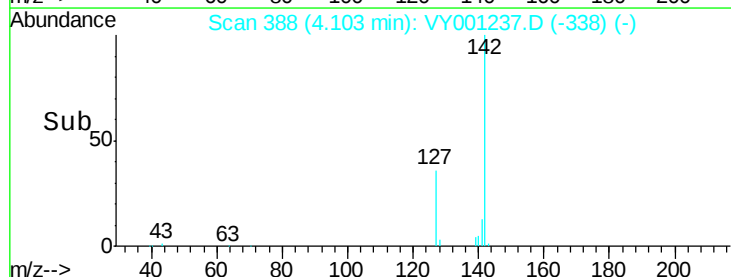
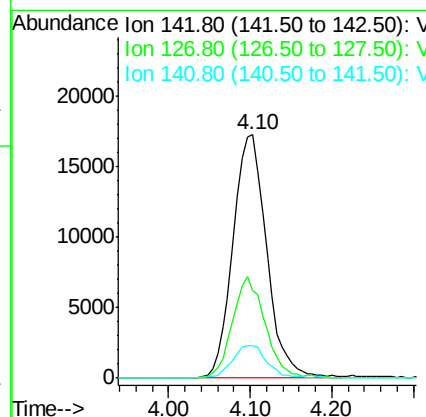
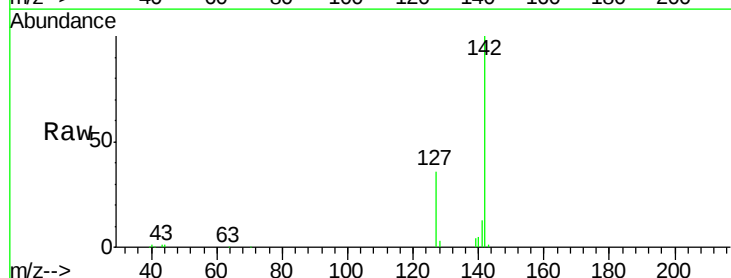
RT: 4.10 min Scan# 388

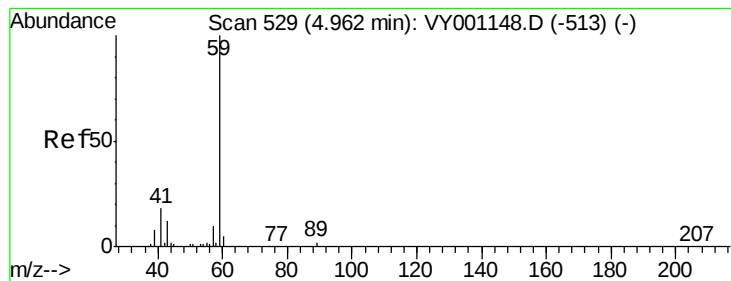
Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Tgt Ion:	142	Resp:	49585
Ion Ratio	Lower	Upper	
142	100		
127	40.5	30.8	46.2
141	13.8	11.0	16.4





#11

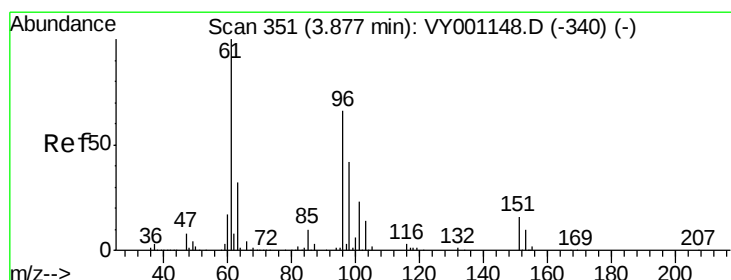
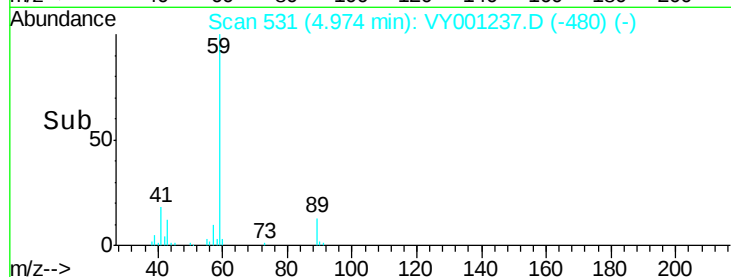
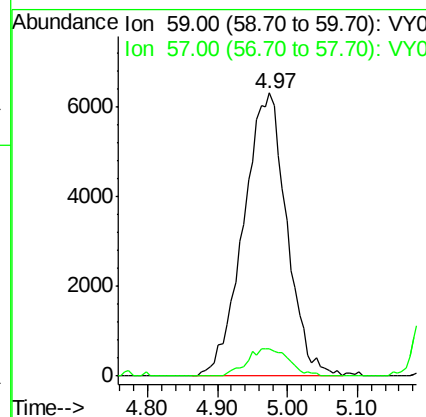
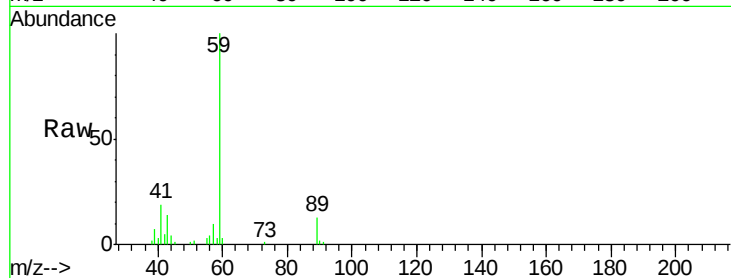
Tert butyl alcohol
Concen: 147.236 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.8

Manual Integrations
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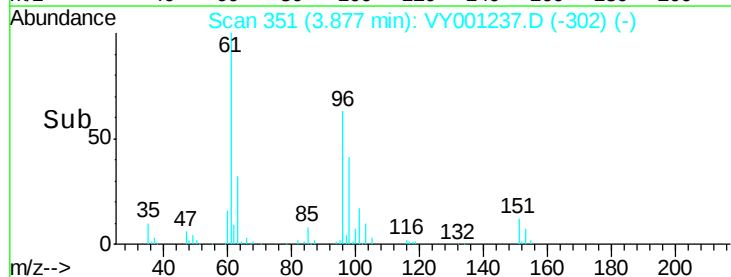
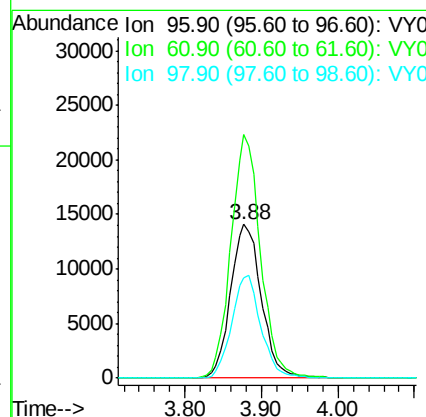
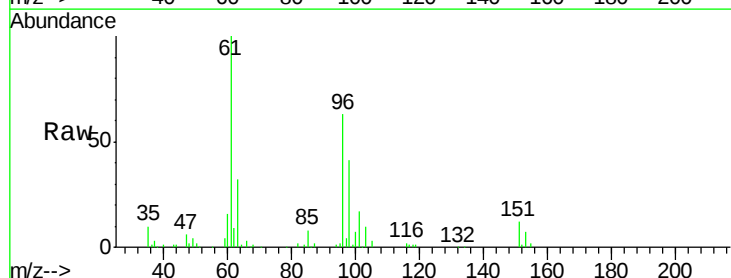
MMDadoda
1/16/2020 9:36:45 AM

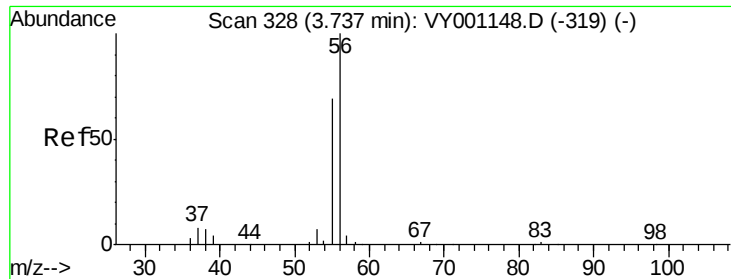


#12

1,1-Dichloroethene
Concen: 22.212 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.7	122.1	183.1
98	65.6	51.0	76.6





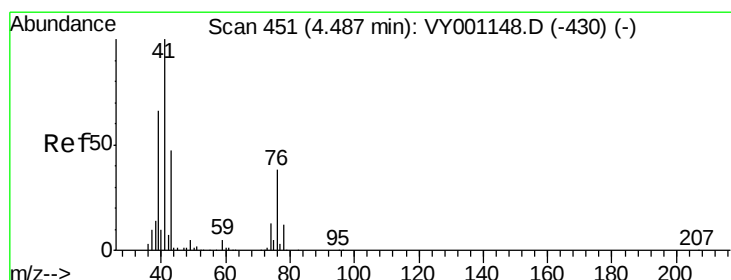
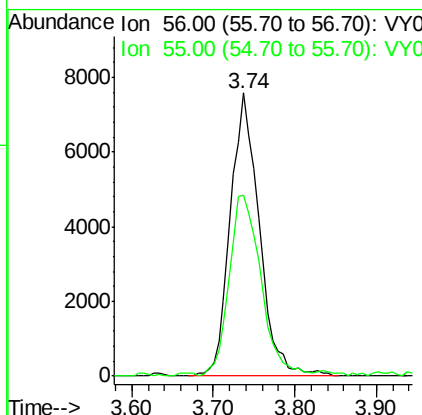
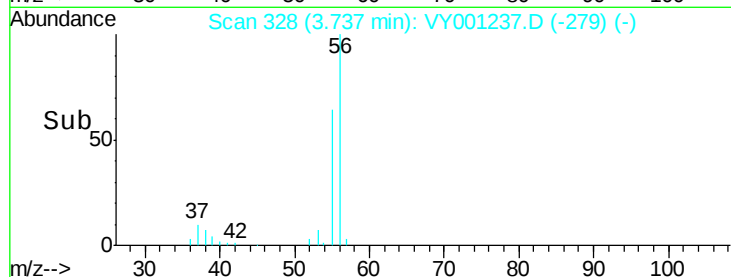
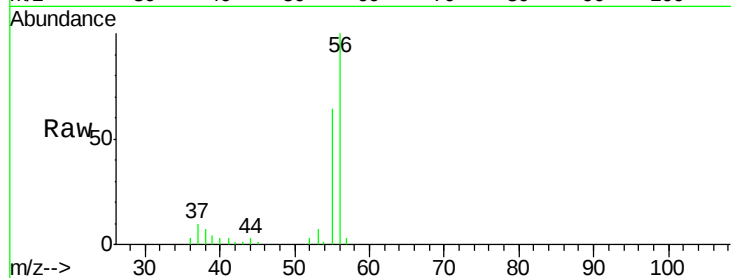
#13
Acrolein
Concen: 112.670 ug/l
RT: 3.74 min Scan# 328
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	56	Resp	18575
Ion Ratio	100	Lower	Upper
55	70.4	56.7	85.1

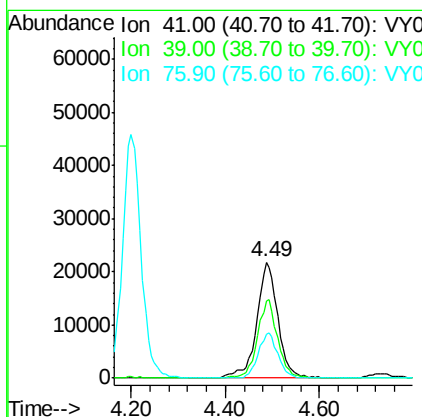
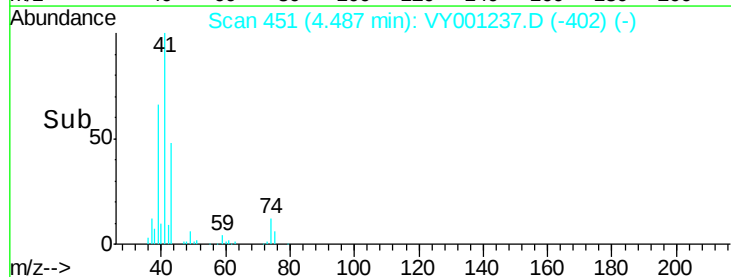
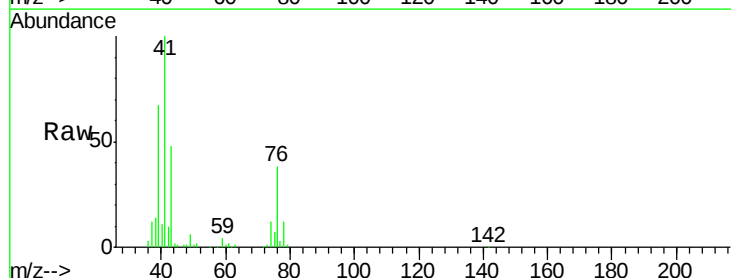
Manual Integrations
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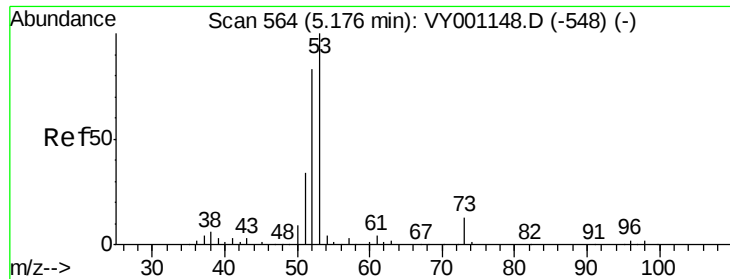
MMDadoda
1/16/2020 9:36:45 AM



#14
Allyl chloride
Concen: 23.165 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	41	Resp	68877
Ion Ratio	100	Lower	Upper
39	64.4	52.6	78.8
76	36.0	30.2	45.2





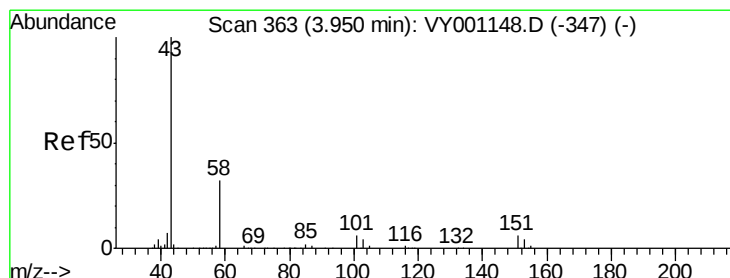
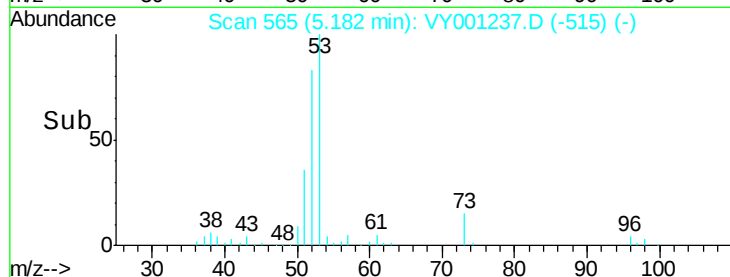
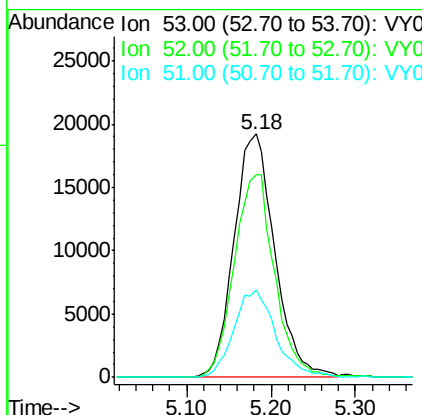
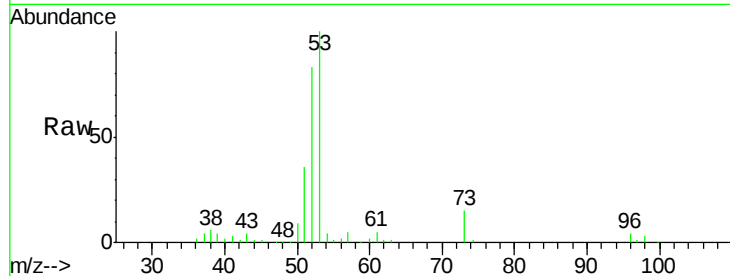
#15
 Acrylonitrile
 Concen: 121.213 ug/l
 RT: 5.18 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.7	98.5
51	36.8	28.7	43.1

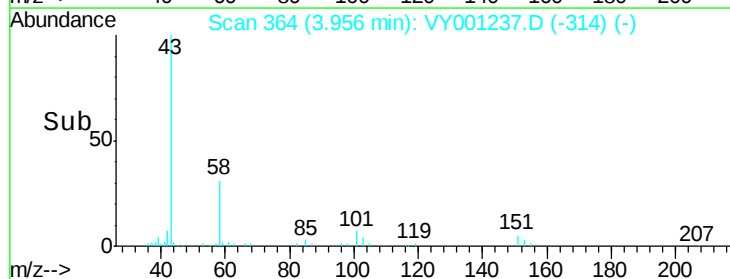
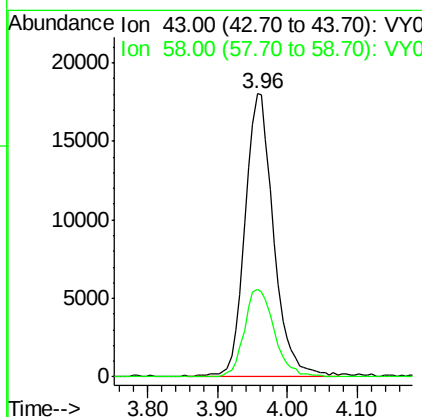
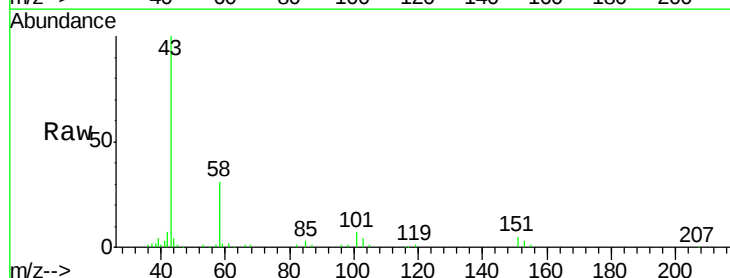
Manual Integrations
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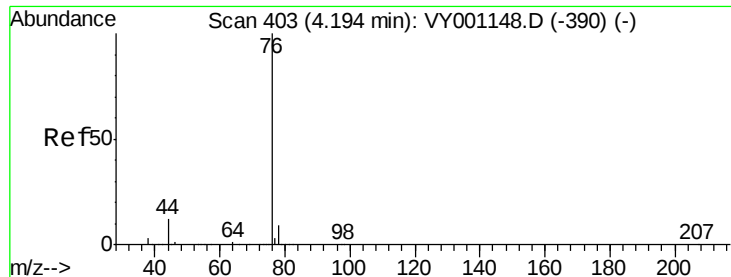
MMDadoda
 1/16/2020 9:36:45 AM



#16
 Acetone
 Concen: 121.590 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.8	38.6





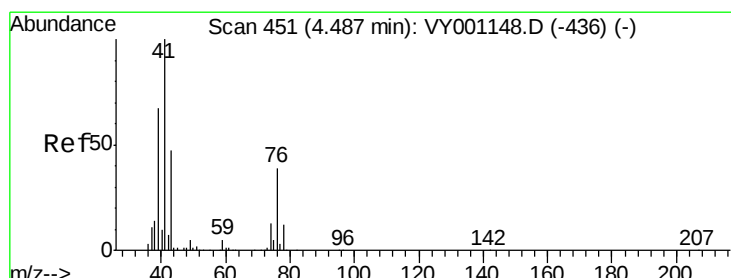
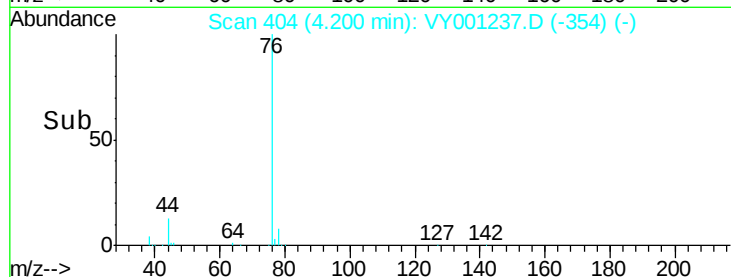
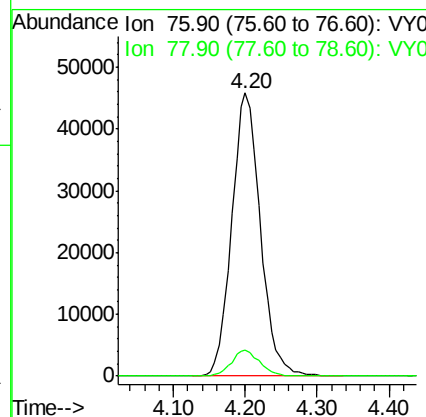
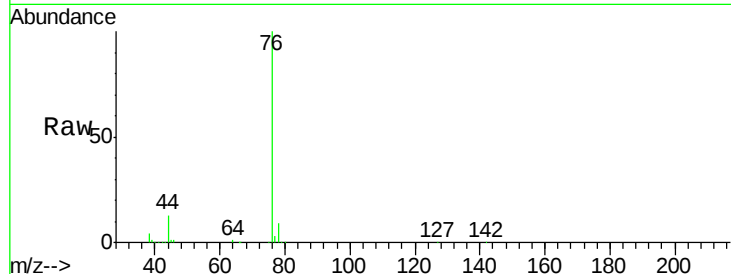
#17
Carbon Disulfide
Concen: 22.178 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

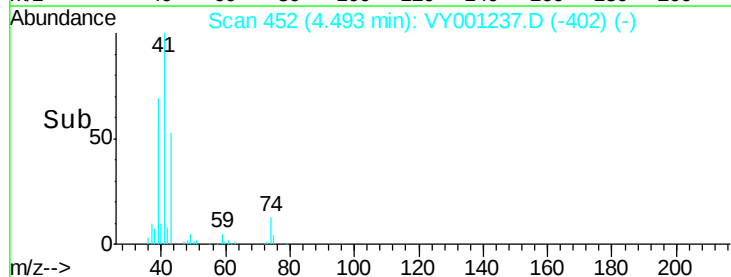
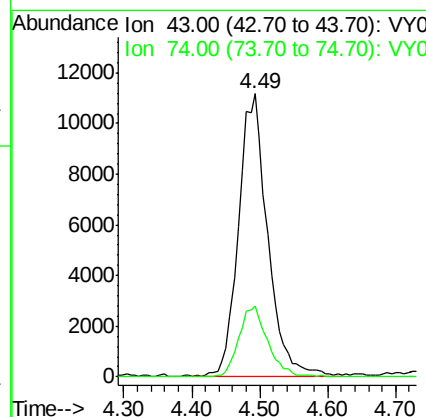
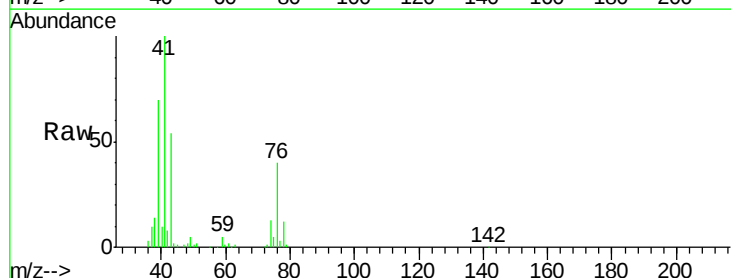
Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:45 AM



#18
Methyl Acetate
Concen: 23.952 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.2	30.2





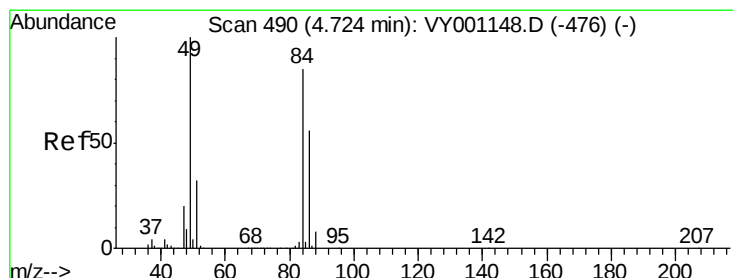
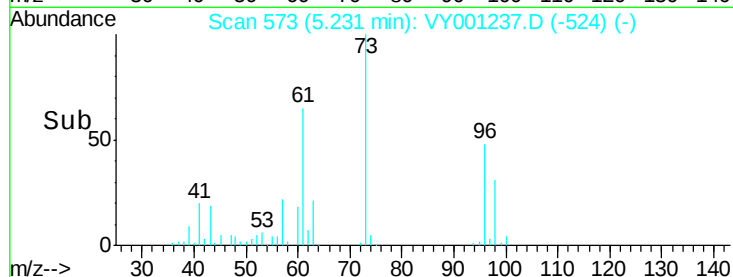
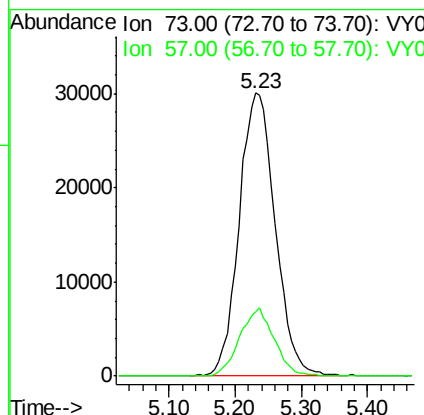
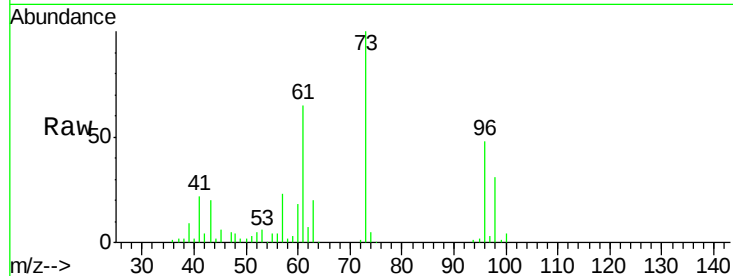
#19
Methvl tert-butvl Ether
Concen: 23.346 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion: 73 Resp: 113770
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.6

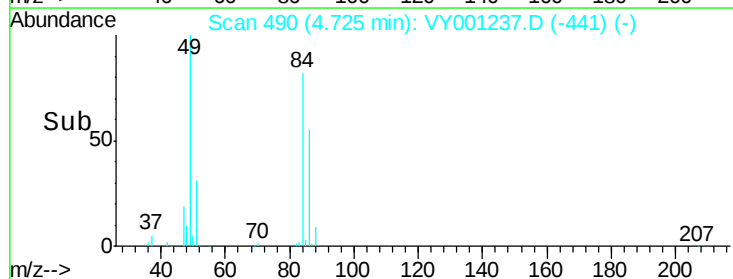
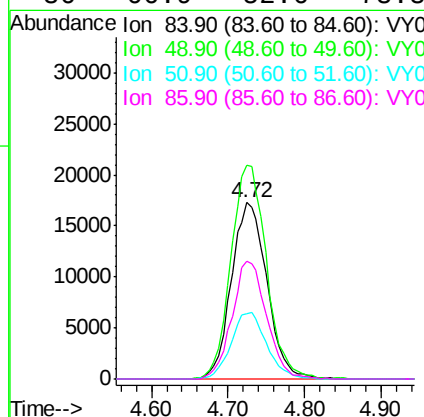
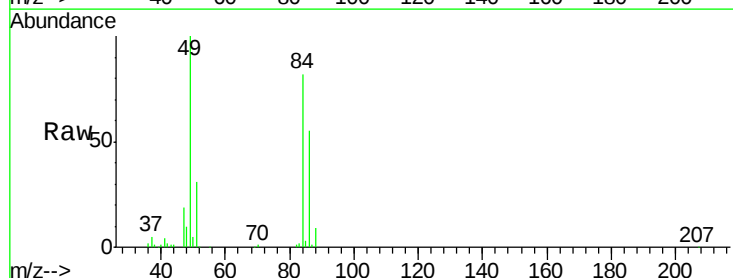
Manual Integrations
APPROVED

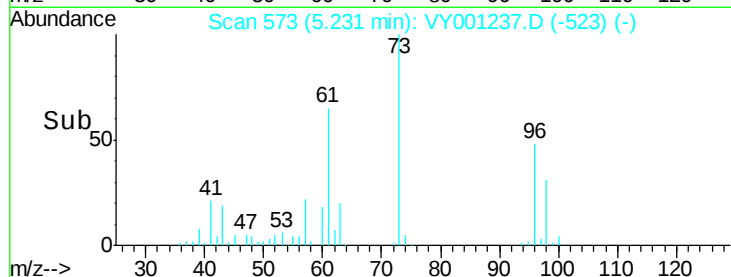
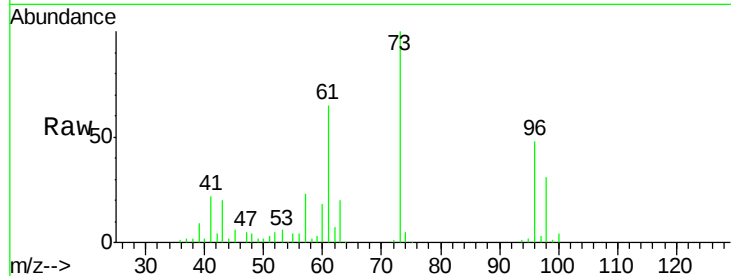
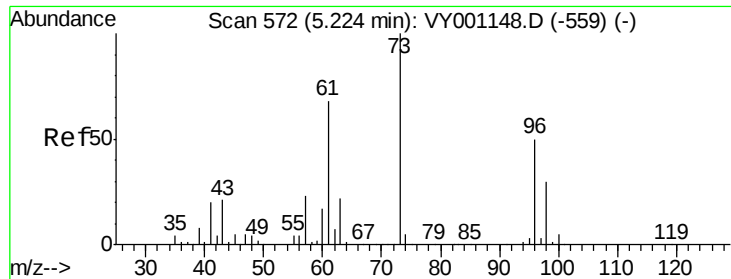
MMDadoda
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#20
Methylene Chloride
Concen: 25.457 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion: 84 Resp: 55488
Ion Ratio Lower Upper
84 100
49 121.3 93.8 140.6
51 37.0 29.9 44.9
86 66.9 52.6 78.8





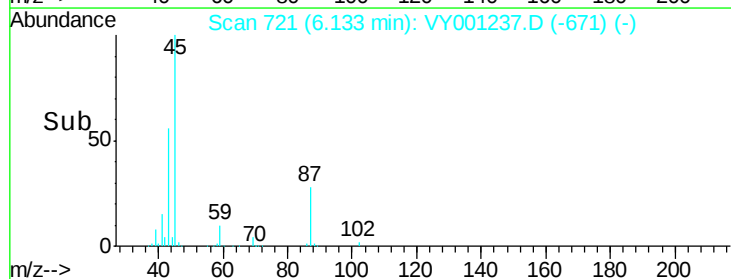
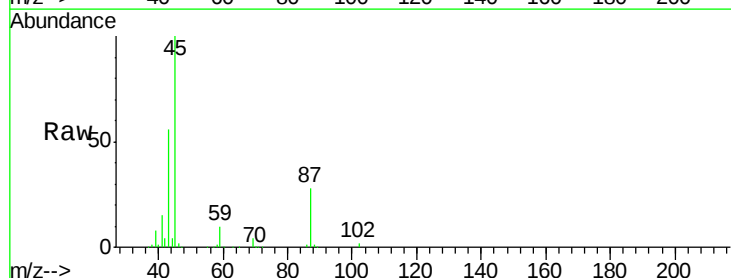
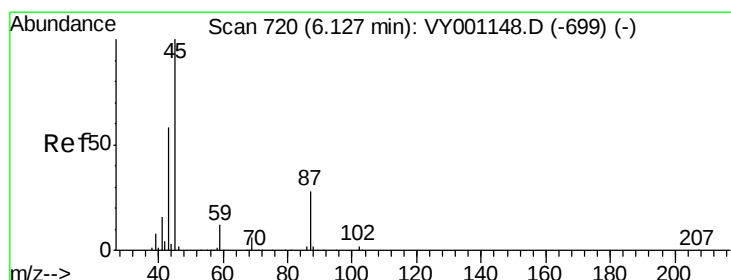
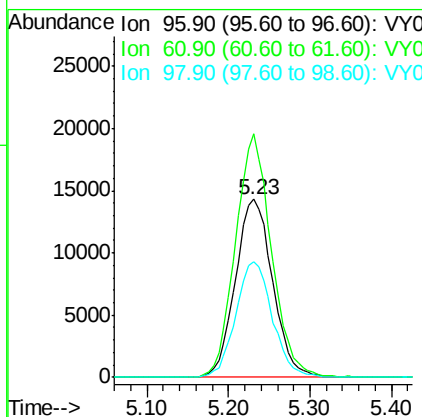
#21
trans-1,2-Dichloroethene
Concen: 22.636 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	107.6	161.4
98	64.8	47.6	71.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

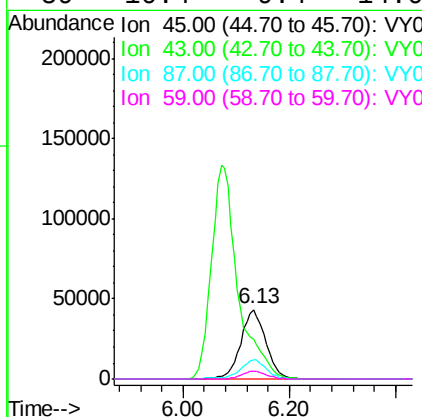
Manual Integrations
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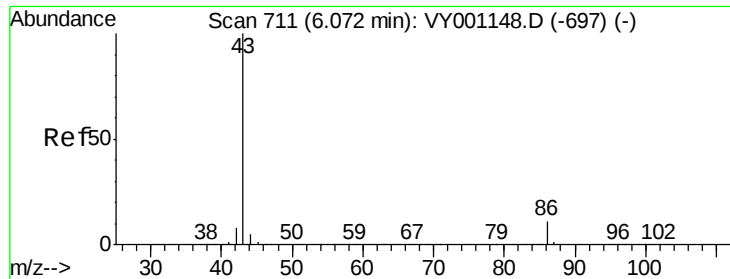
MMDadoda
1/16/2020 9:36:45 AM



#22
Diisopropyl ether
Concen: 23.199 ug/l
RT: 6.13 min Scan# 721
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.1	46.5	69.7
87	28.1	22.5	33.7
59	10.4	9.4	14.0





#23

Vinyl Acetate

Concen: 118.016 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 43 Resp: 458370

Ion Ratio Lower Upper

43 100

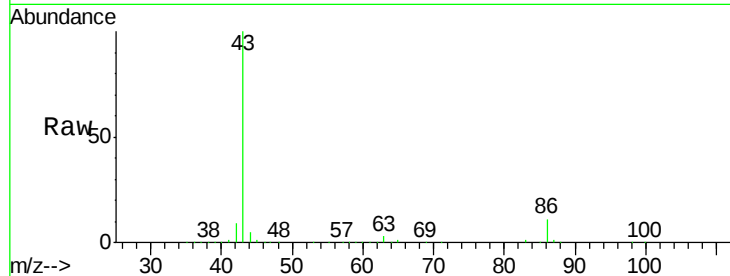
86 11.0 9.0 13.4

Manual Integrations

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MMDadoda

1/16/2020 9:36:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

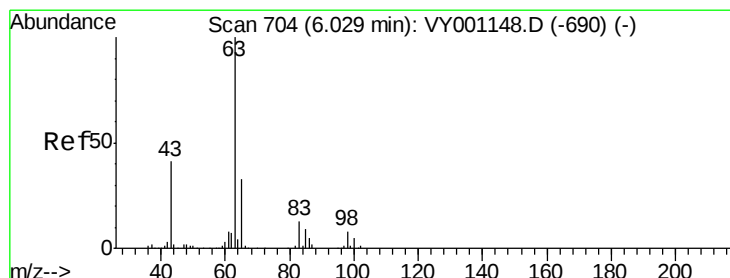
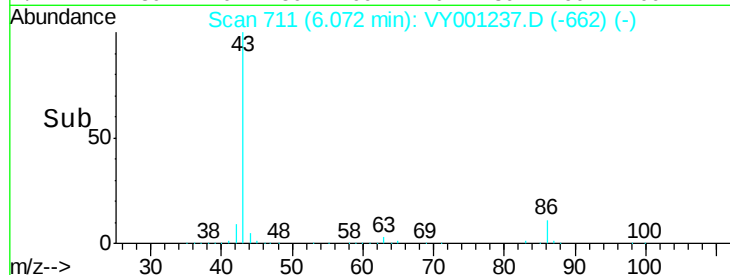
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.232 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

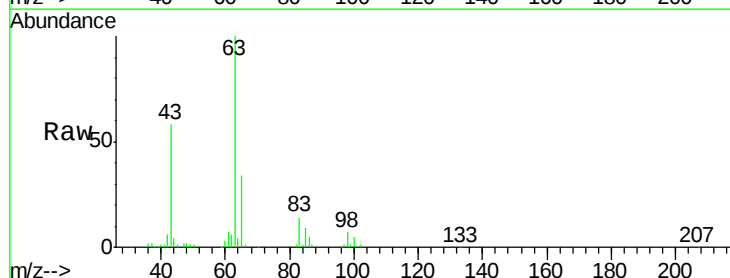
Tgt Ion: 63 Resp: 77240

Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 4.8 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

6.04

30000

25000

20000

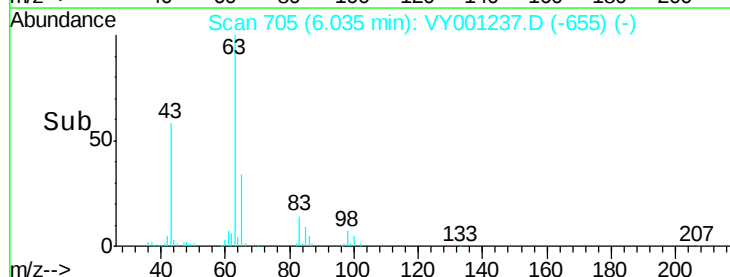
15000

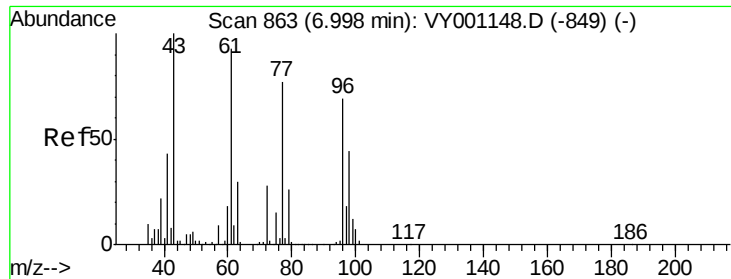
10000

5000

0

Time-->





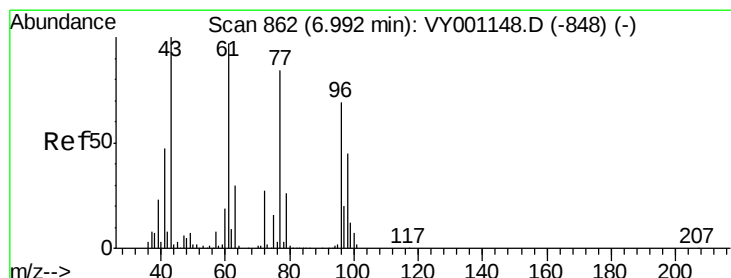
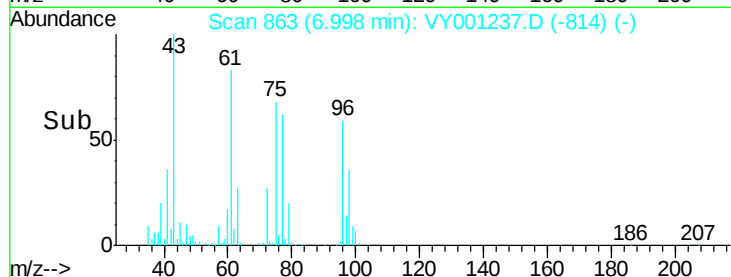
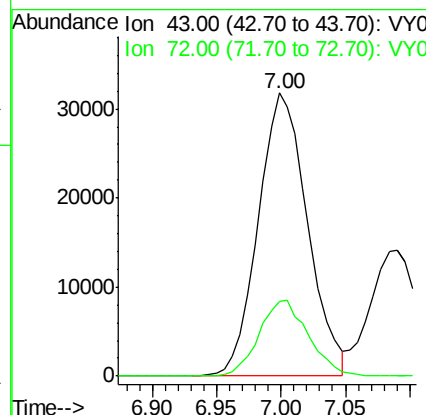
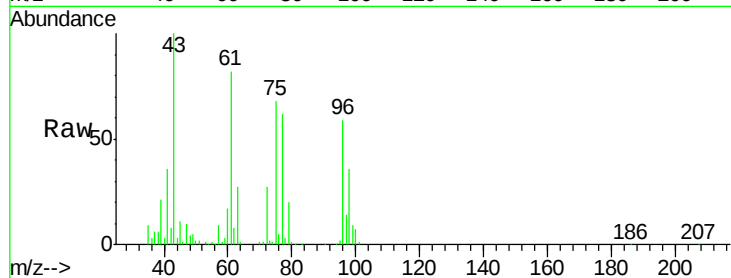
#25
2-Butanone
Concen: 128.199 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion: 43 Resp: 84340
Ion Ratio Lower Upper
43 100
72 26.4 22.2 33.2

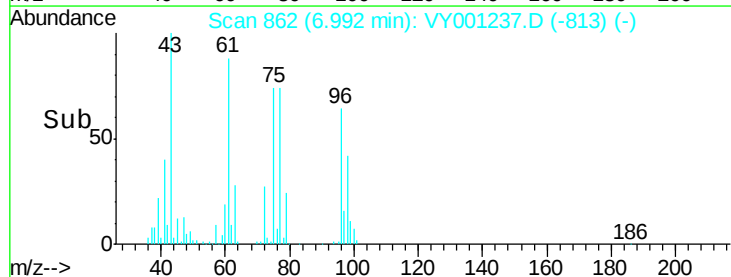
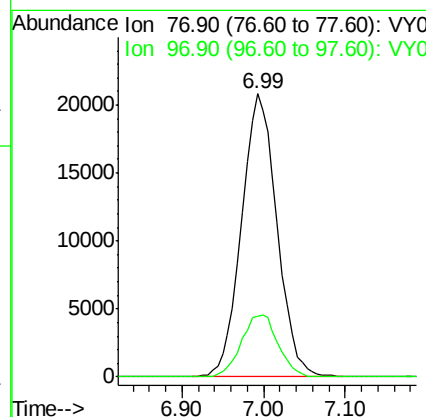
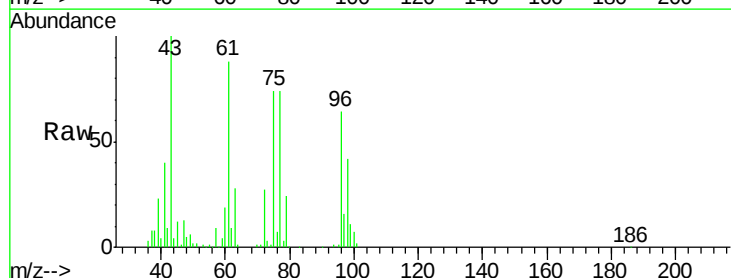
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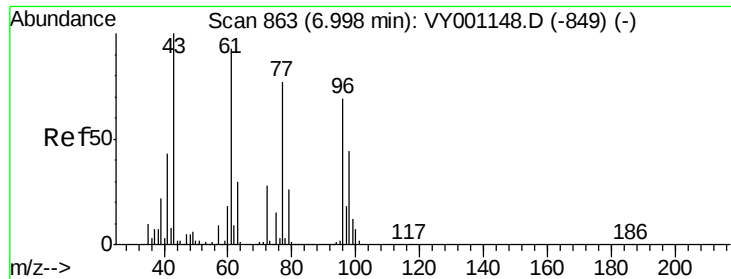
MMDadoda
1/16/2020 9:36:45 AM



#26
2,2-Dichloropropane
Concen: 20.521 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion: 77 Resp: 62740
Ion Ratio Lower Upper
77 100
97 22.7 11.9 35.7





#27

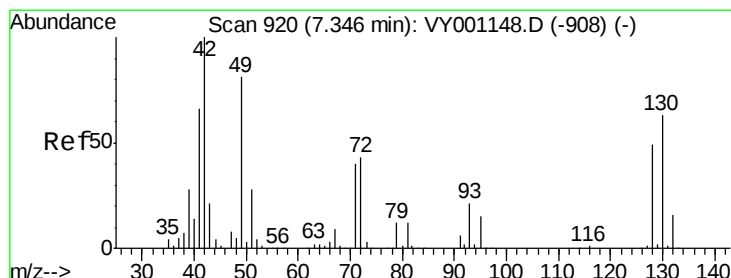
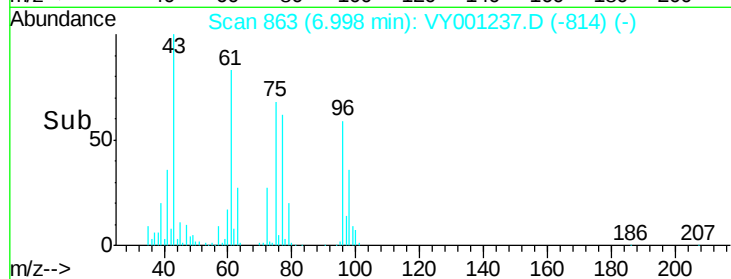
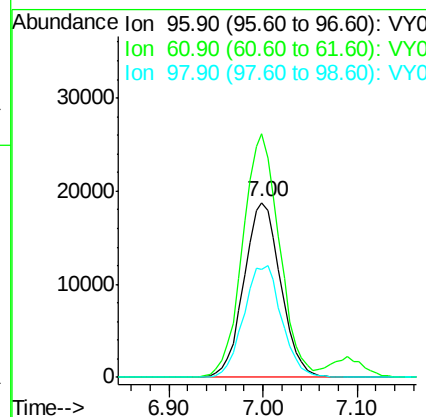
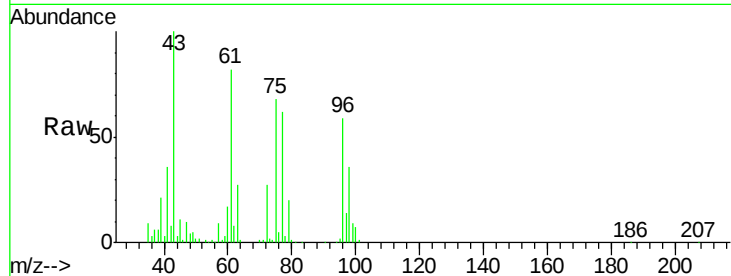
cis-1,2-Dichloroethene
 Concen: 23.439 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	284.0
98	65.7	0.0	130.2

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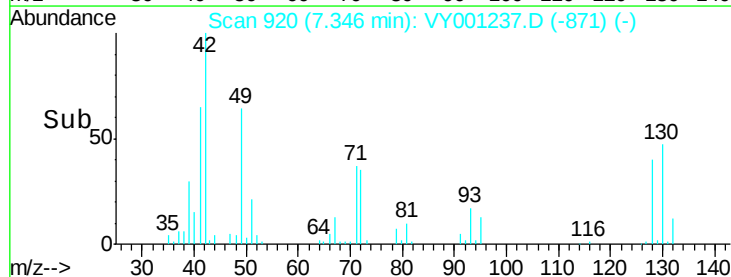
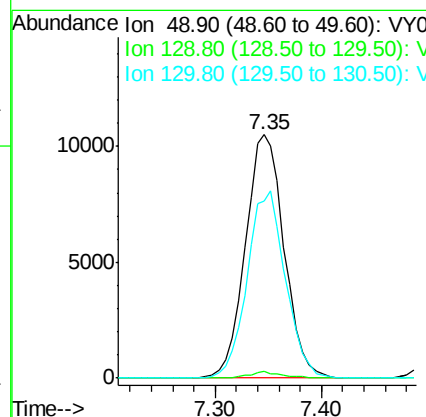
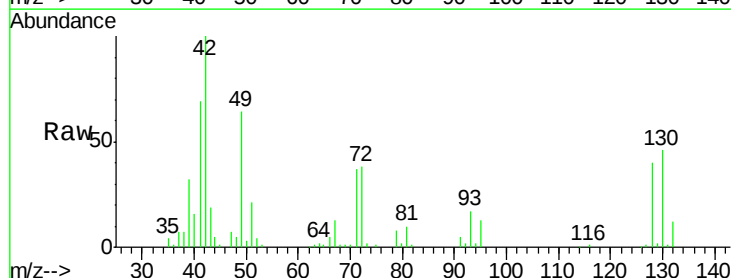
MMDadoda
 1/16/2020 9:36:45 AM

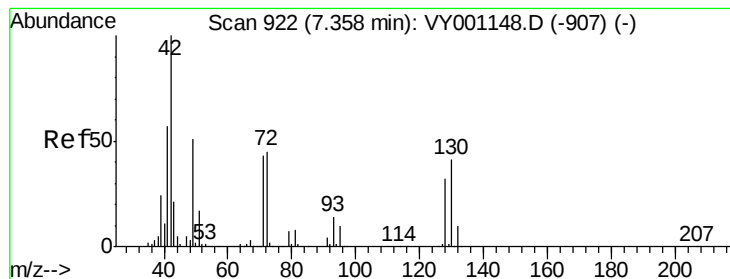


#28

Bromochloromethane
 Concen: 19.585 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	75.9	61.2	91.8





#29

Tetrahydrofuran

Concen: 123.714 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

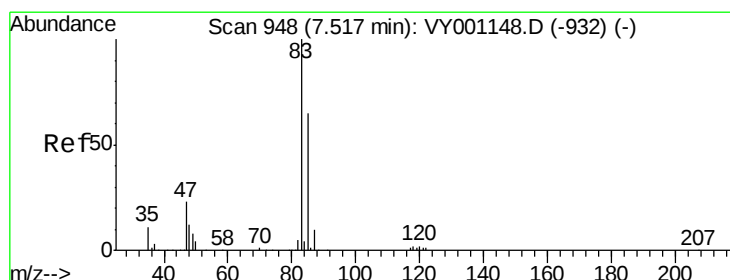
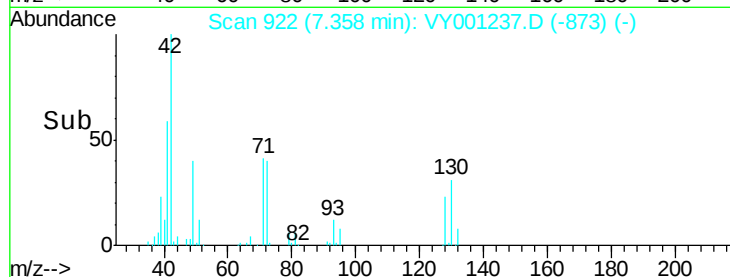
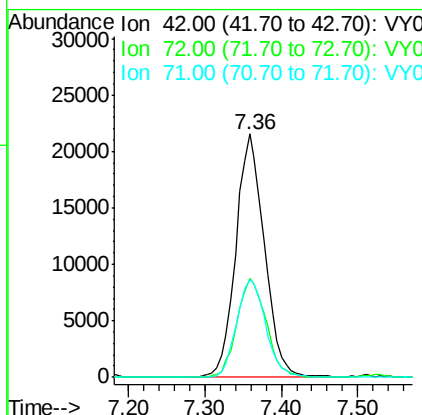
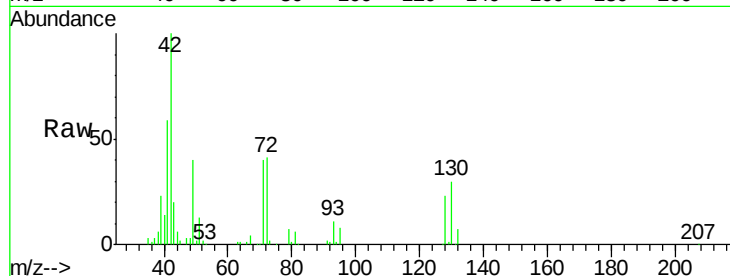
ClientSampleId :

VY0115SBS02

Tot Ion:	42	Resp:	55776
Ion	Ratio	Lower	Upper
42	100		
72	41.8	36.9	55.3
71	40.8	34.0	51.0

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#30

Chloroform

Concen: 23.021 ug/l

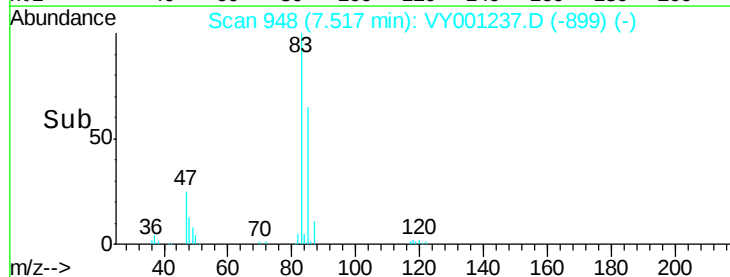
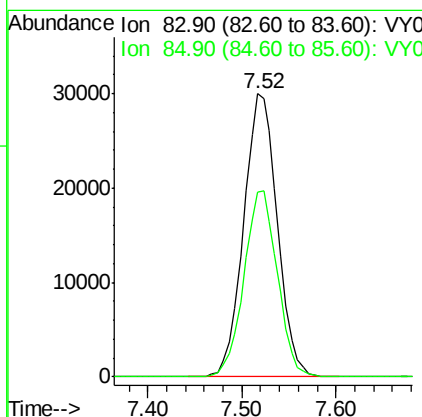
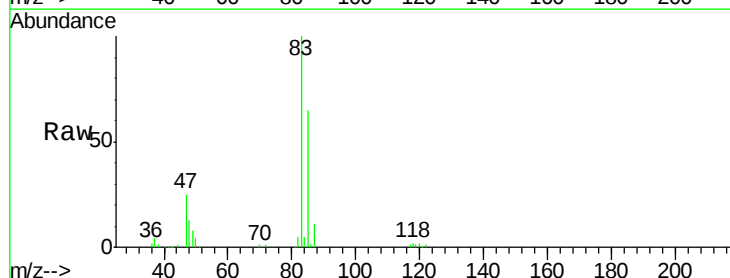
RT: 7.52 min Scan# 948

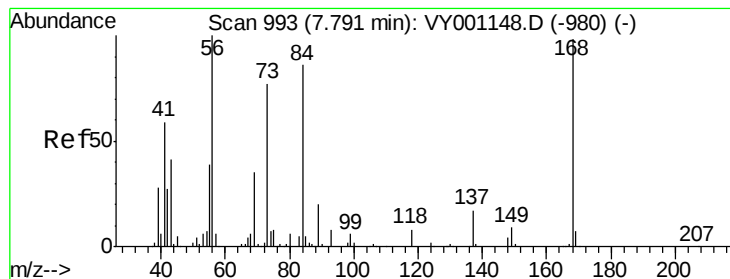
Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Tgt Ion:	83	Resp:	74996
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.9	77.9





#31

Cvclohexane

Concen: 21.026 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 56 Resp: 74015

Ion Ratio Lower Upper

56 100

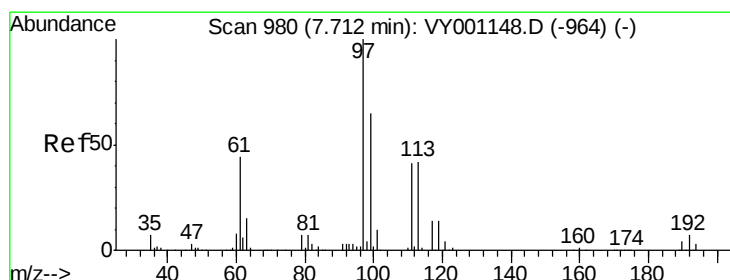
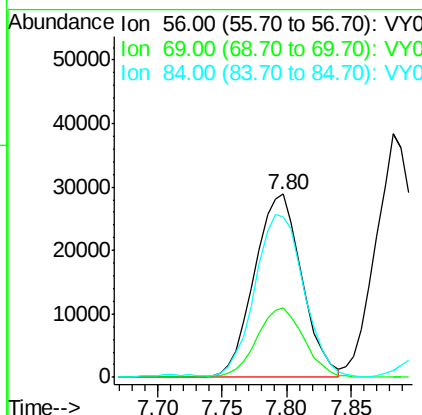
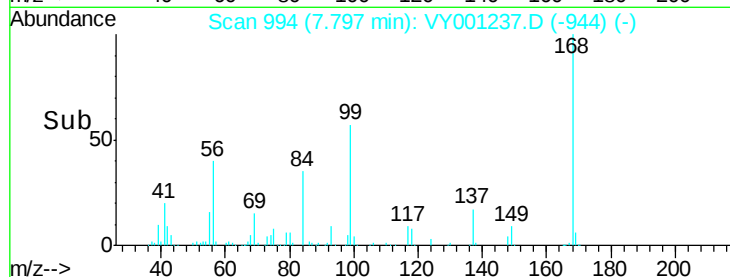
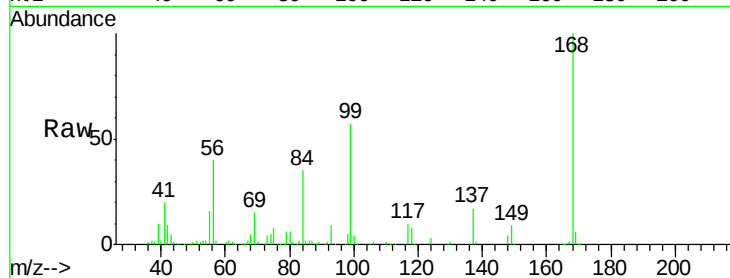
69 38.2 27.8 41.8

84 86.1 68.9 103.3

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#32

1,1,1-Trichloroethane

Concen: 22.002 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

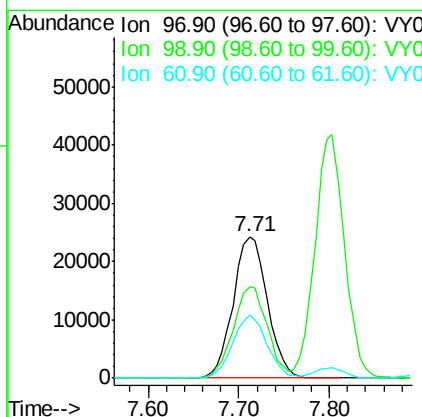
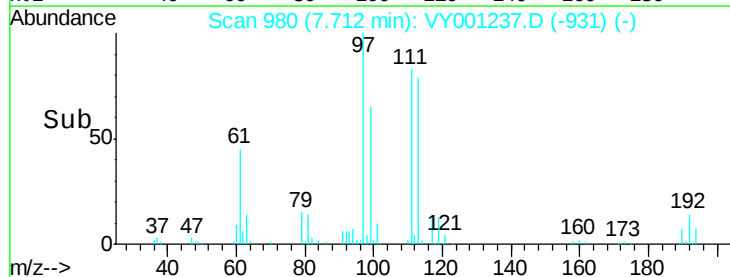
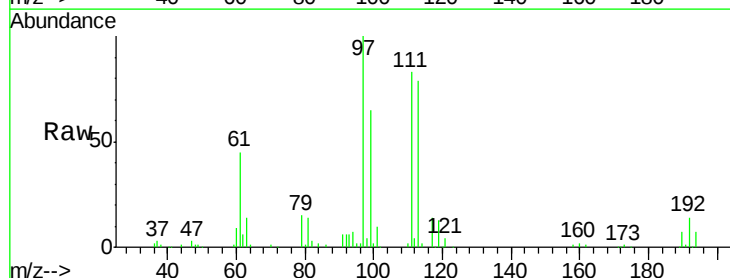
Tgt Ion: 97 Resp: 63595

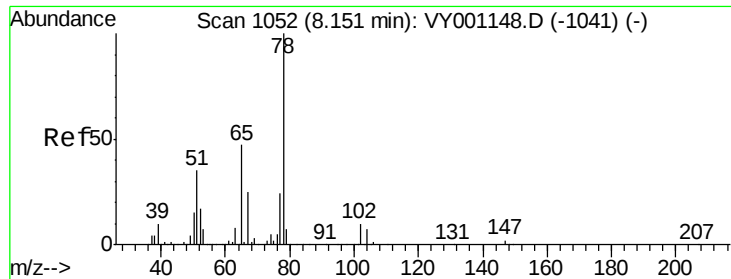
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 44.4 34.6 52.0





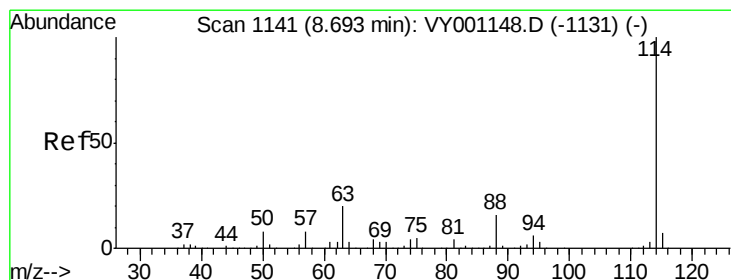
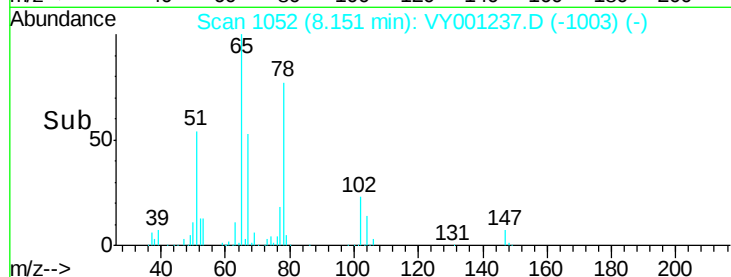
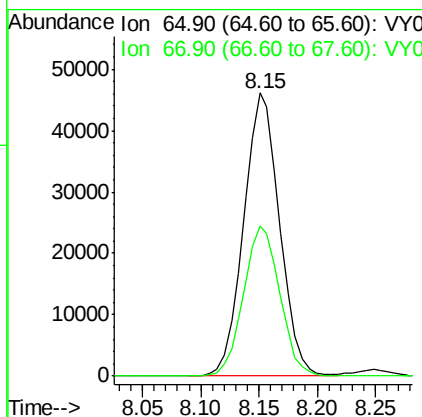
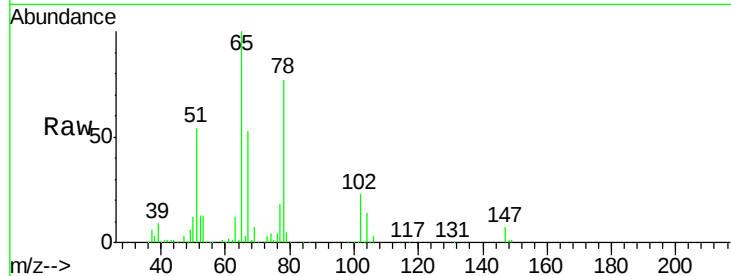
#33
 1,2-Dichloroethane-d4
 Concen: 54.377 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.2

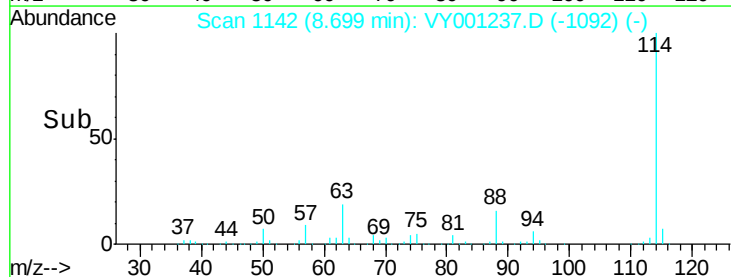
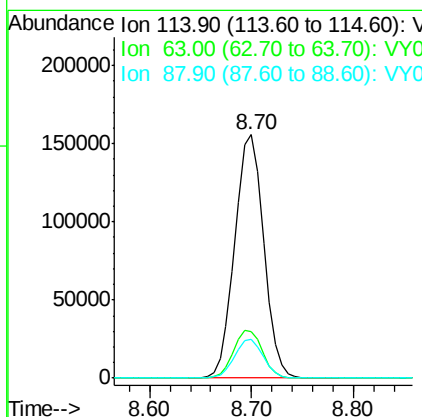
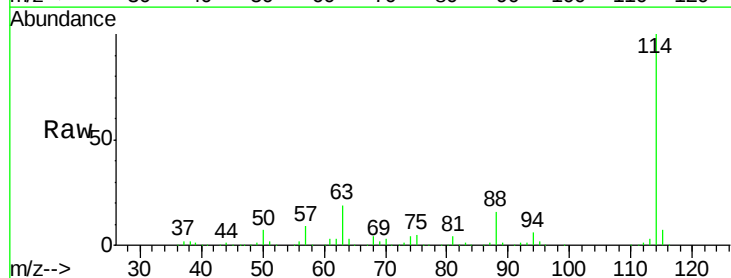
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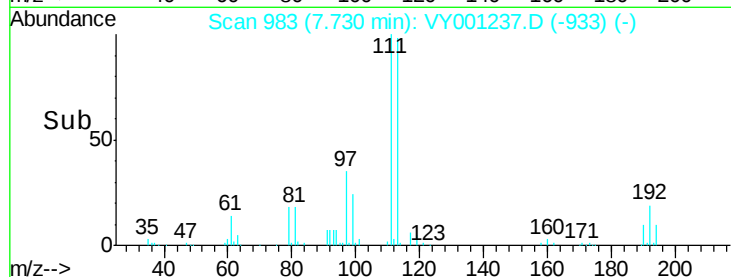
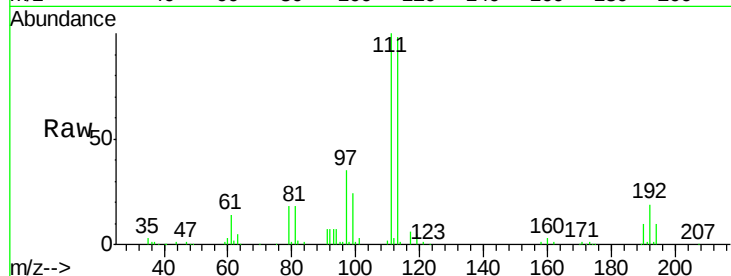
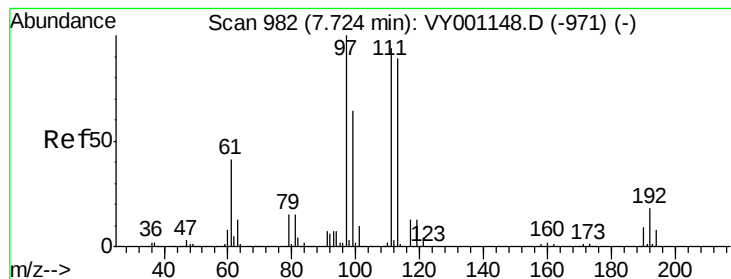
MMDadoda
 1/16/2020 9:36:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	40.8
88	15.7	0.0	32.4





#35

Dibromofluoromethane

Concen: 50.754 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001237.D

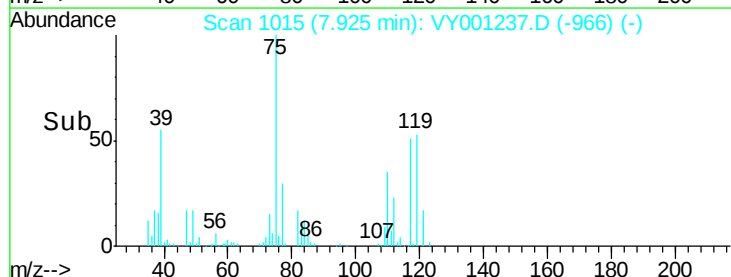
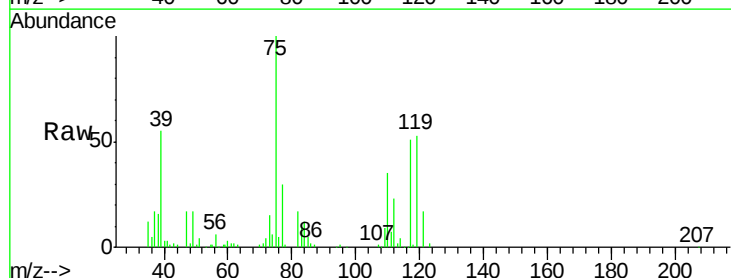
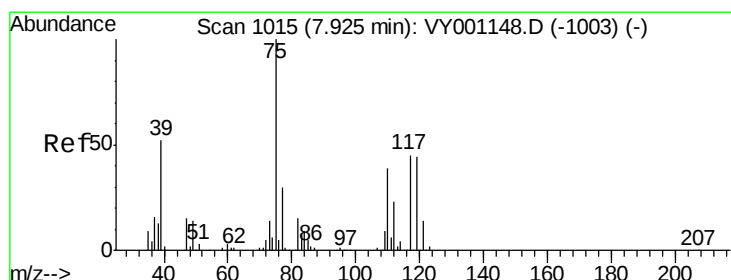
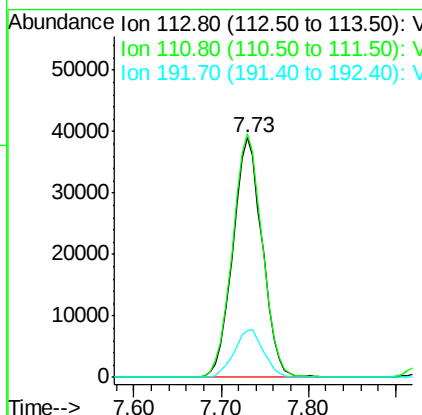
Acq: 15 Jan 2020 23:21

Tot Ion:	113	Resp:	91026
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	19.9	15.4	23.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

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#36

1,1-Dichloropropene

Concen: 21.197 ug/l

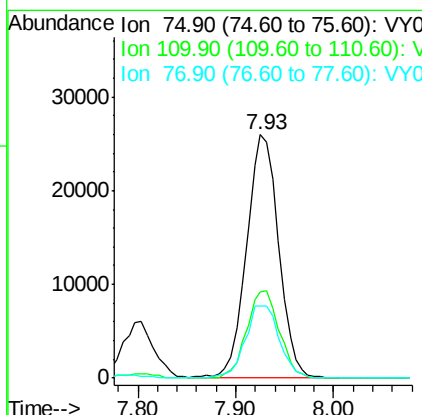
RT: 7.93 min Scan# 1015

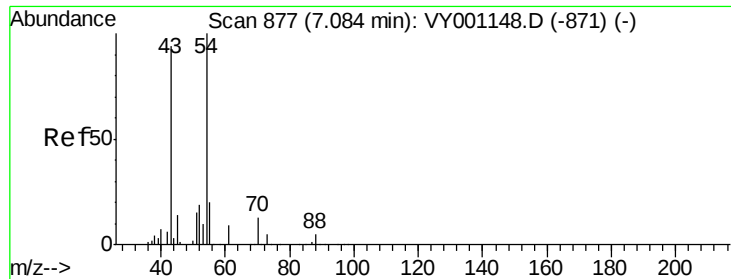
Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Tgt Ion:	75	Resp:	59180
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.3	54.8
77	31.7	25.1	37.7





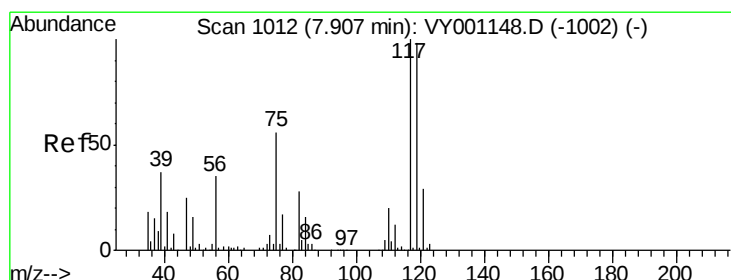
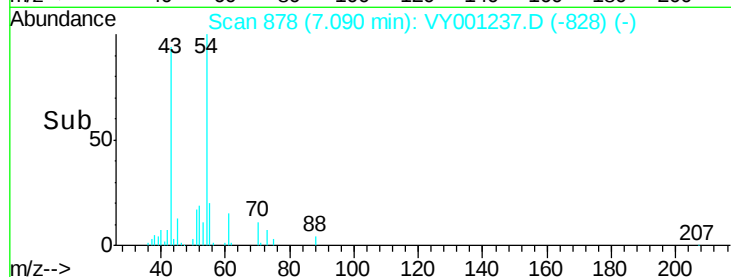
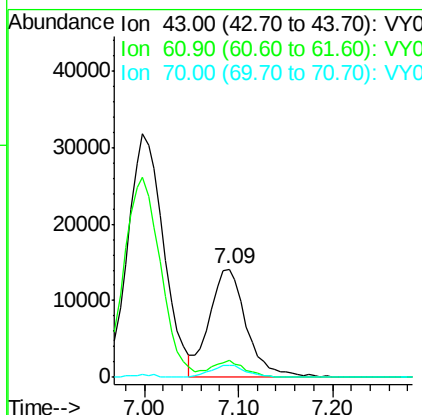
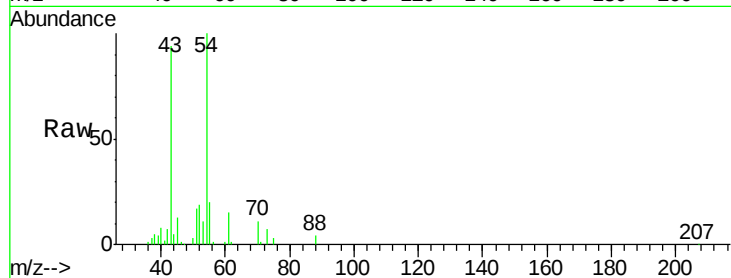
#37
Ethyl Acetate
Concen: 23.240 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.1	16.7
70	11.0	9.7	14.5

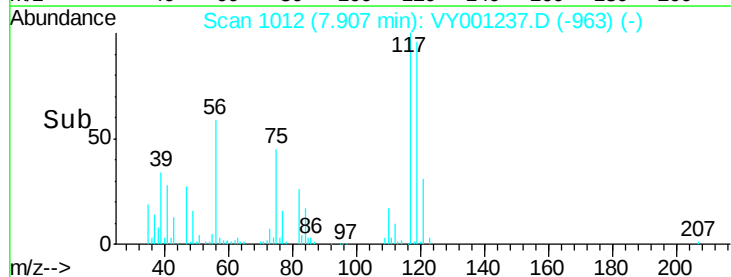
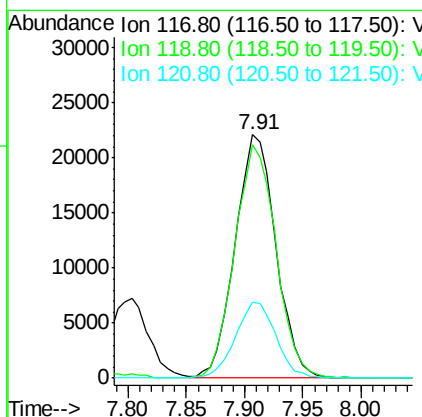
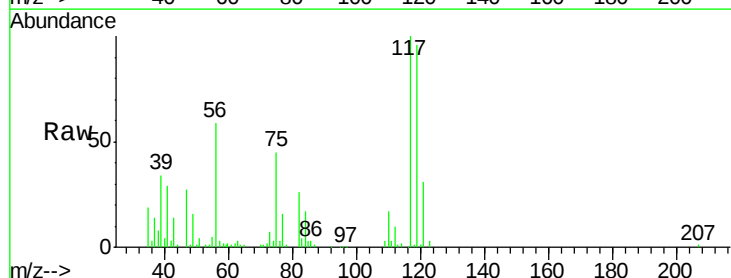
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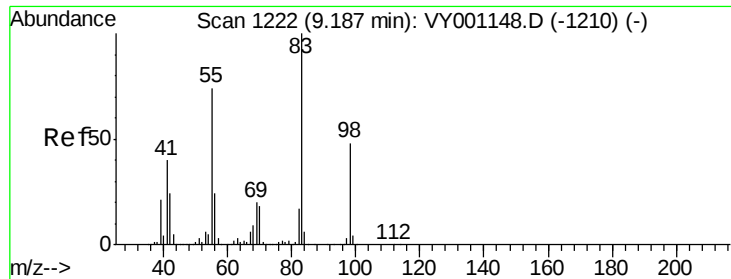
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.158 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.3	117.5
121	31.0	23.5	35.3





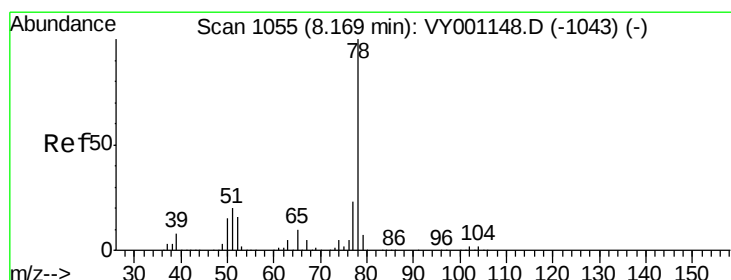
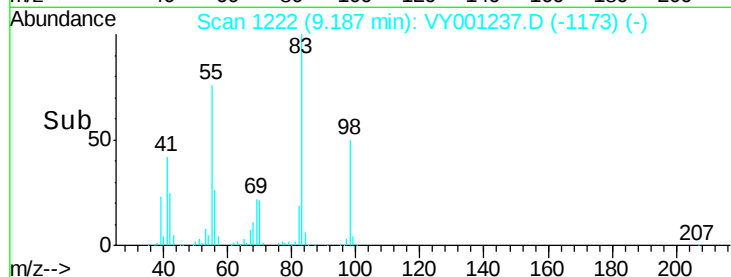
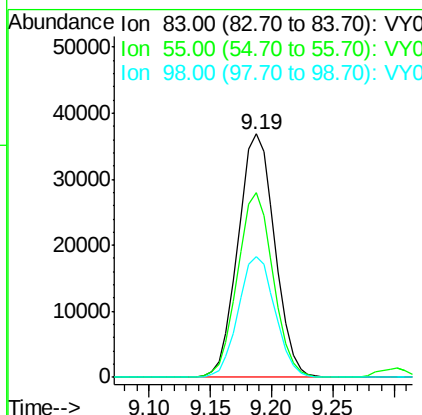
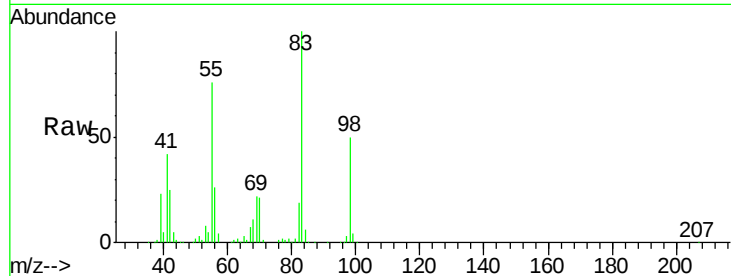
#39
Methvlcvclohexane
Concen: 20.341 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	76990		
55	75.9		58.9	88.3
98	49.6		38.4	57.6

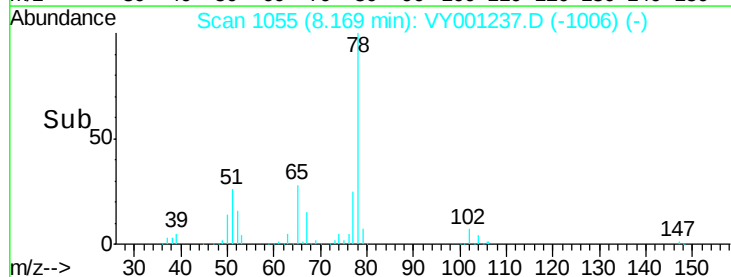
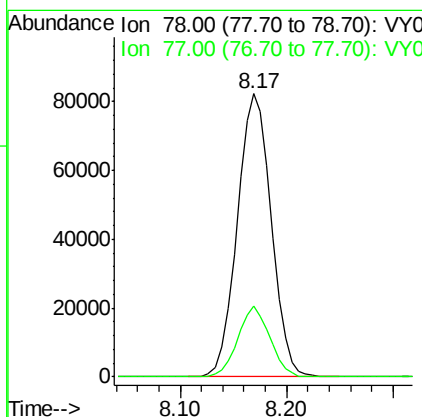
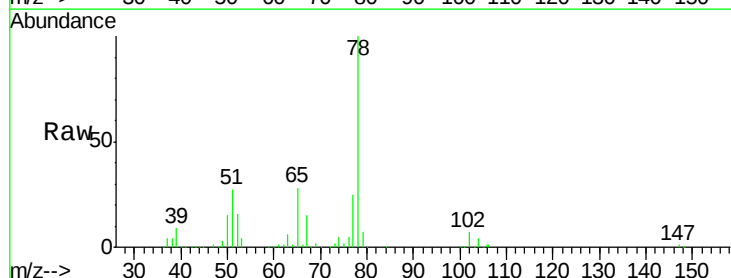
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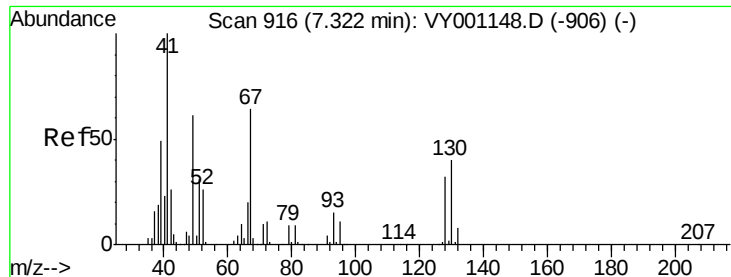
MMDadoda
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#40
Benzene
Concen: 22.619 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	184338		
77	25.2		18.8	28.2





#41

Methacrylonitrile

Concen: 25.269 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 41 Resp: 19449

Ion Ratio Lower Upper

41 100

39 0.0 103.5 155.3#

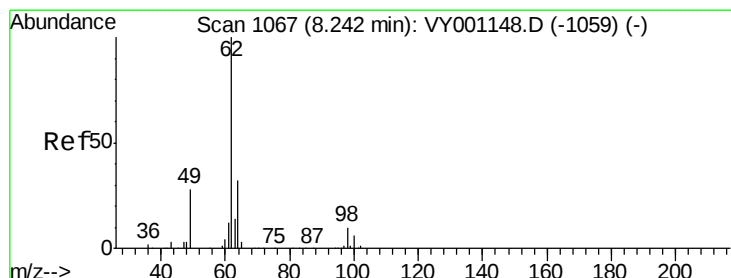
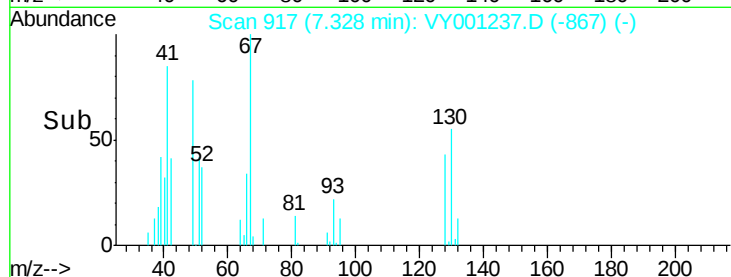
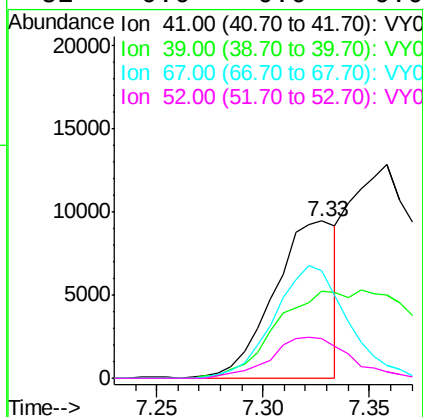
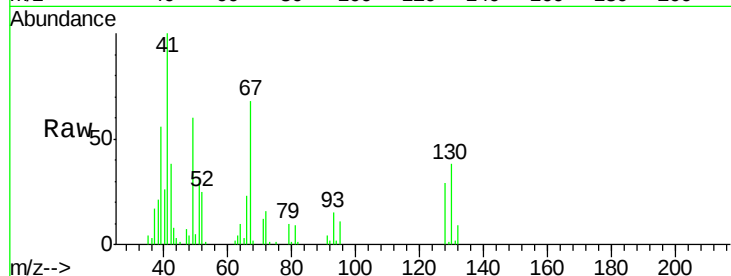
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 22.322 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VY001237.D

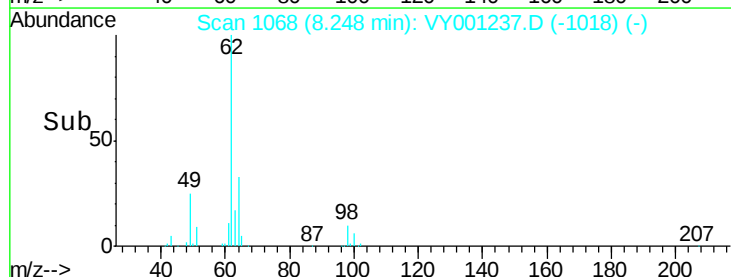
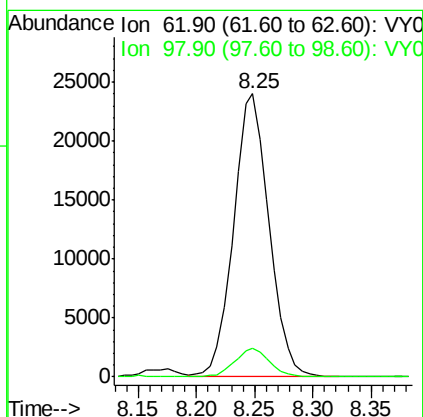
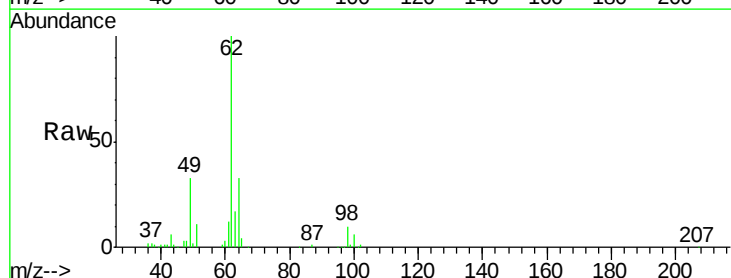
Acq: 15 Jan 2020 23:21

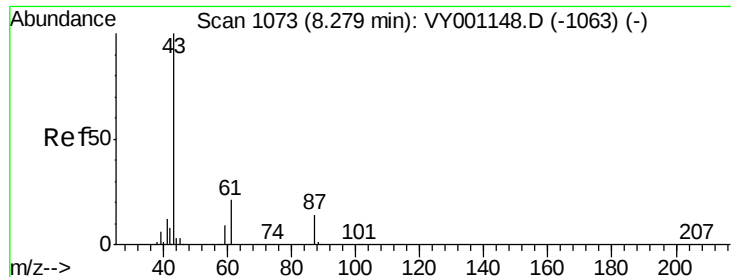
Tgt Ion: 62 Resp: 50940

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.4





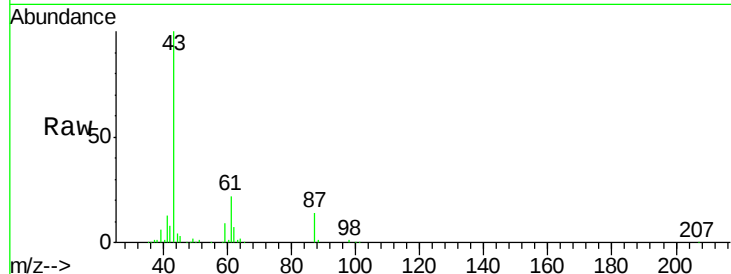
#43
Isopropyl Acetate
Concen: 22.641 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

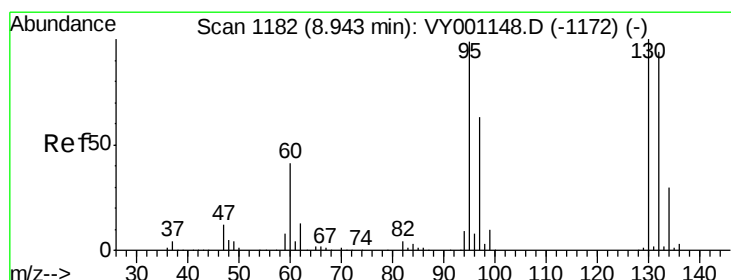
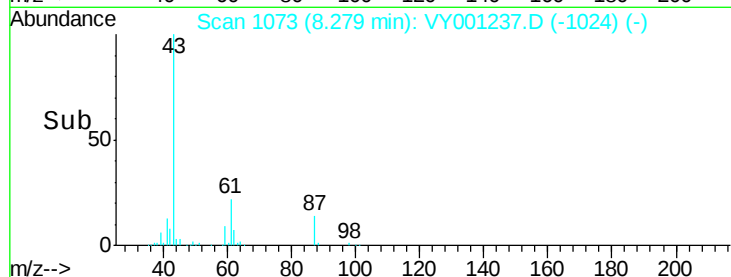
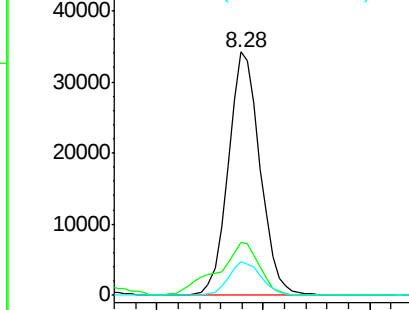
Tot Ion	43	Resp	70937
Ion Ratio	Lower	Upper	
43	100		
61	29.0	23.9	35.9
87	14.2	11.4	17.2

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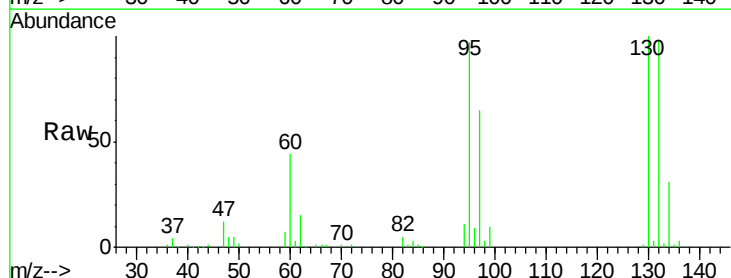


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

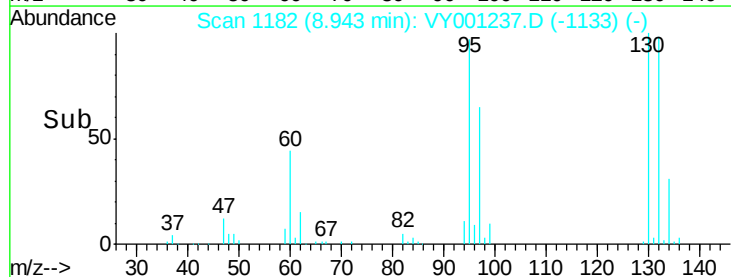
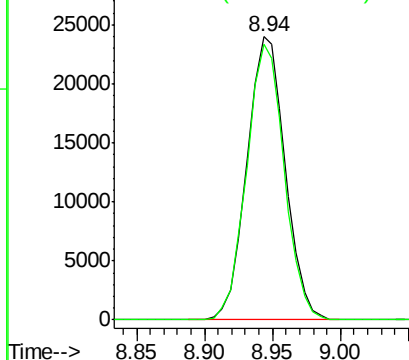


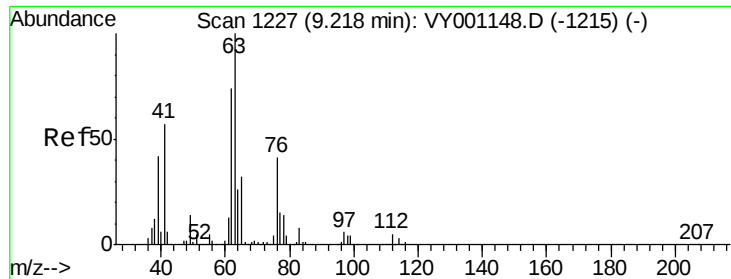
#44
Trichloroethene
Concen: 22.276 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	130	Resp	47305
Ion Ratio	Lower	Upper	
130	100		
95	97.5	0.0	197.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





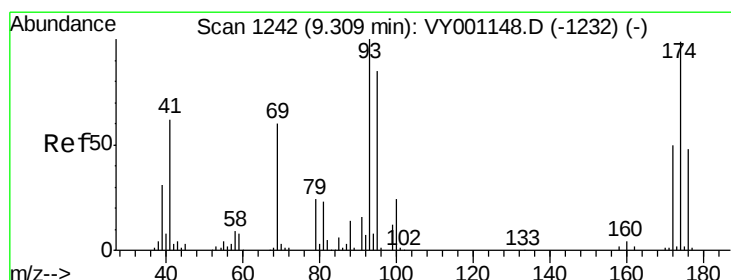
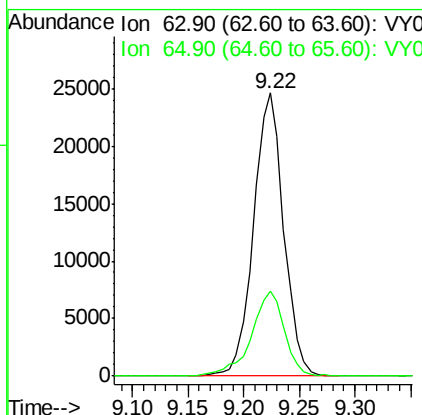
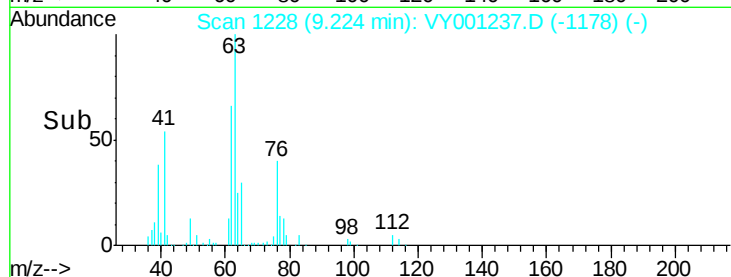
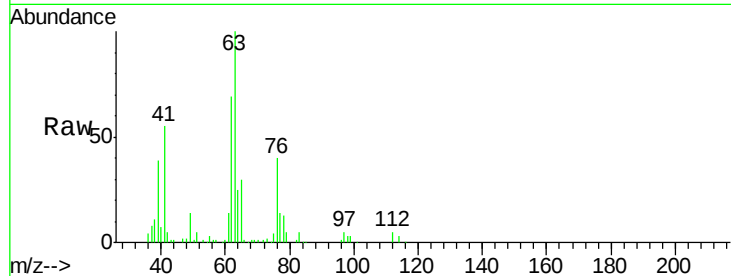
#45
 1,2-Dichloropropane
 Concen: 22.981 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion: 63 Resp: 46302
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.8 38.8

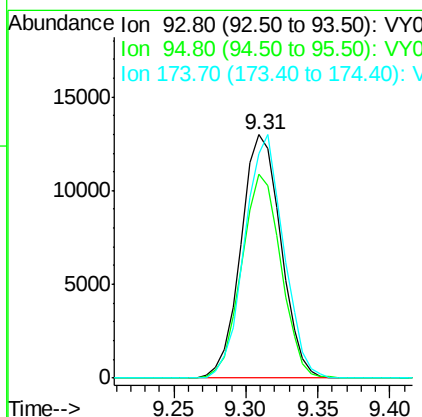
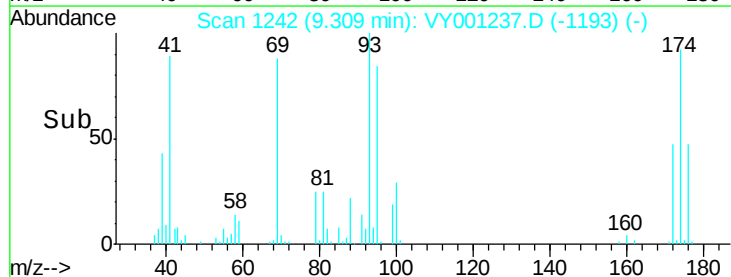
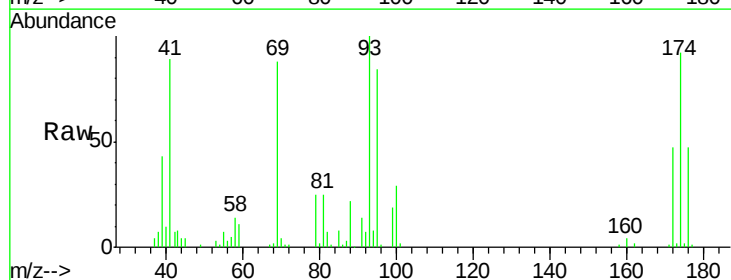
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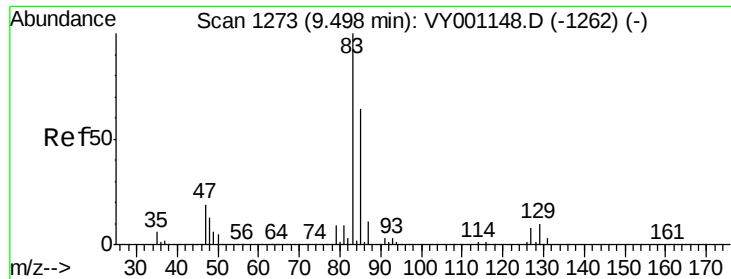
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#46
 Dibromomethane
 Concen: 22.716 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Tgt Ion: 93 Resp: 24972
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.8 100.2
 174 96.7 78.4 117.6





#47

Bromodichloromethane

Concen: 21.966 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

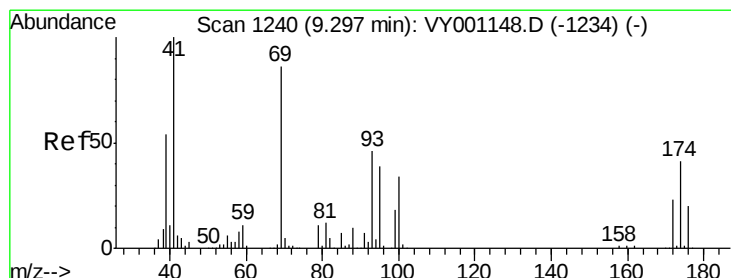
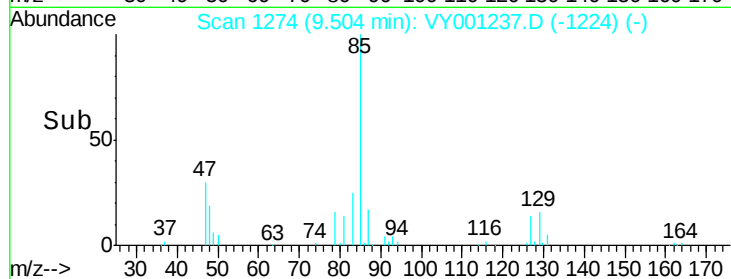
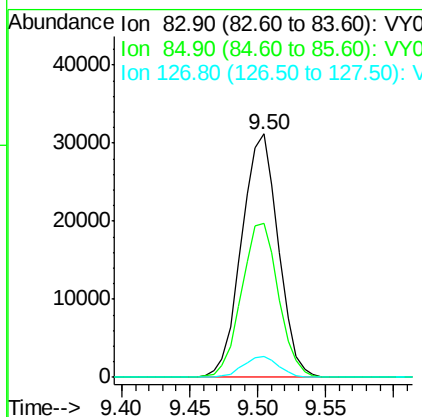
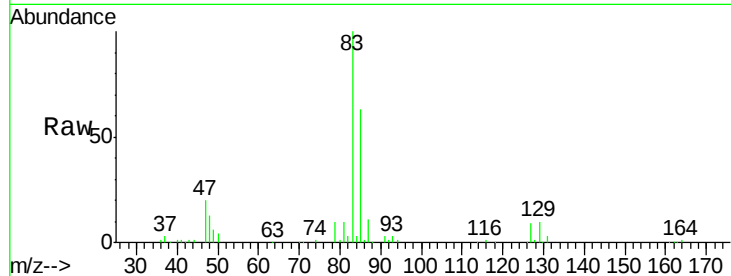
ClientSampleId :

VY0115SBS02

Tot Ion:	83	Resp:	58849
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.5	77.3
127	8.8	6.3	9.5

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#48

Methyl methacrylate

Concen: 22.821 ug/l

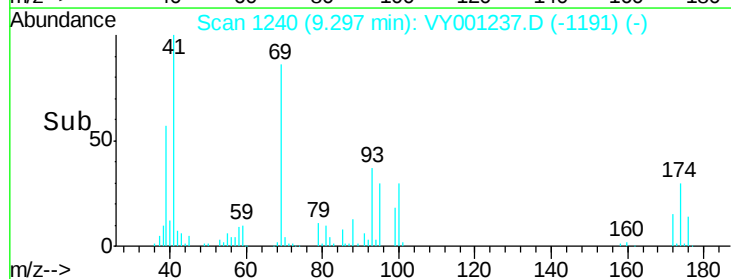
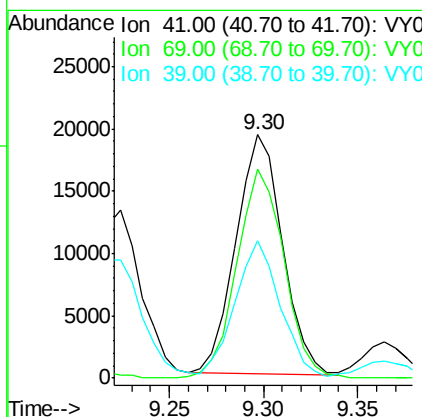
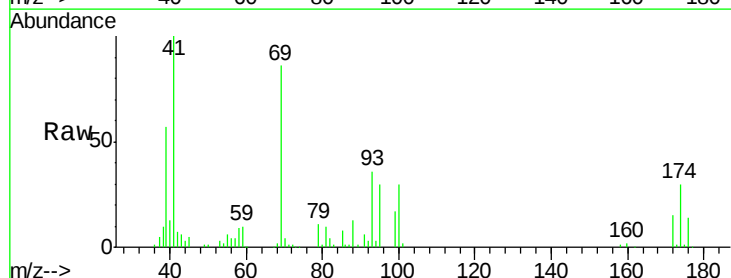
RT: 9.30 min Scan# 1240

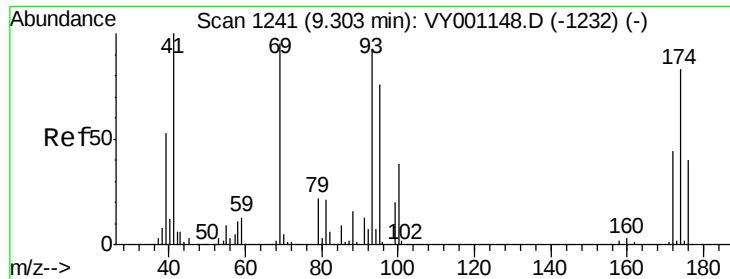
Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Tgt Ion:	41	Resp:	33088
Ion Ratio	Lower	Upper	
41	100		
69	88.3	69.8	104.8
39	55.9	45.2	67.8





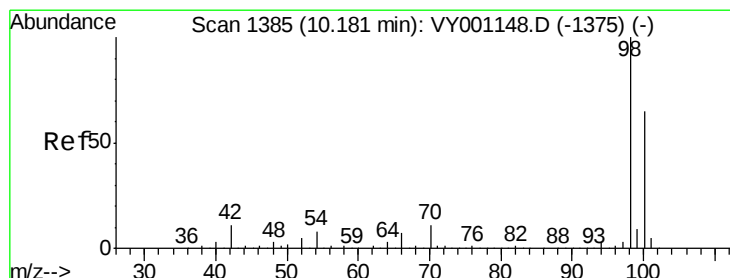
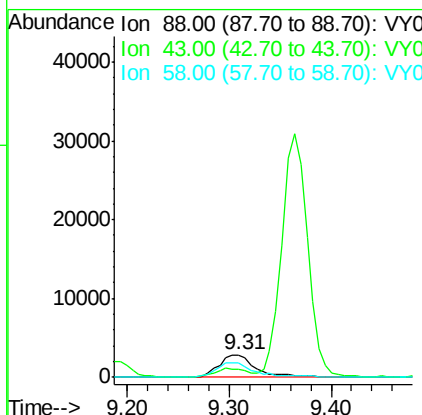
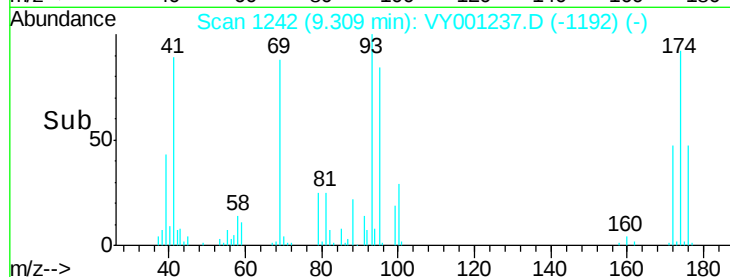
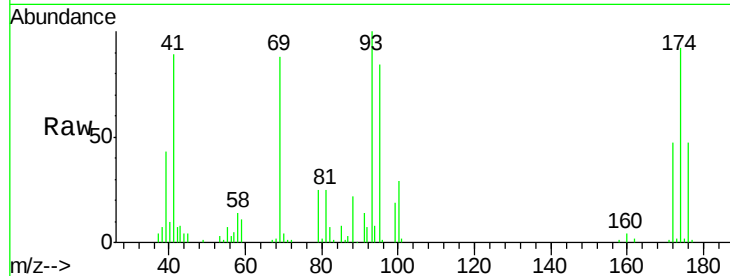
#49
1,4-Dioxane
Concen: 543.418 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	22.4	33.6
58	65.2	58.0	87.0

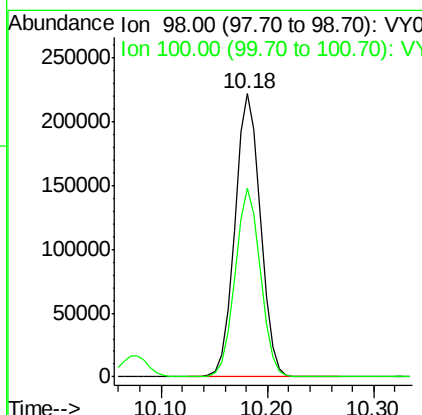
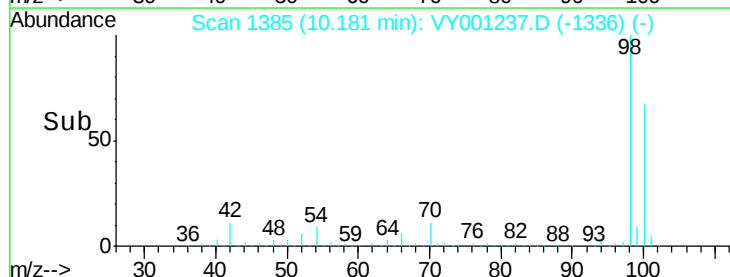
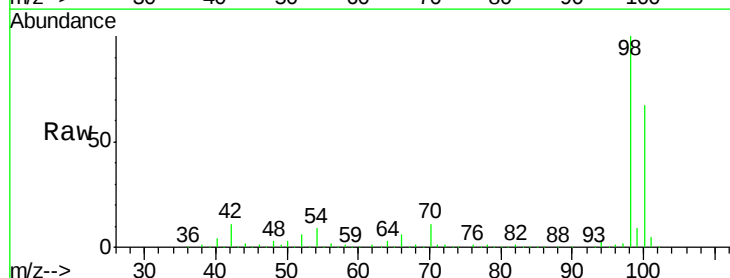
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#50
Toluene-d8
Concen: 54.027 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.1	79.7





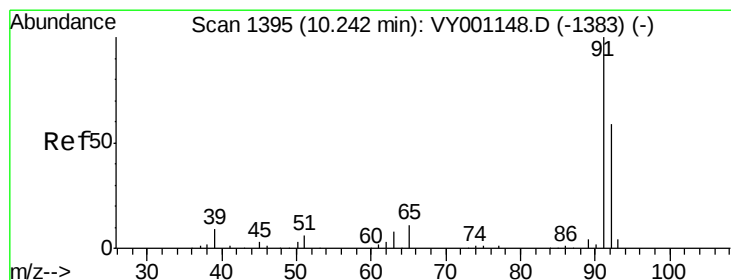
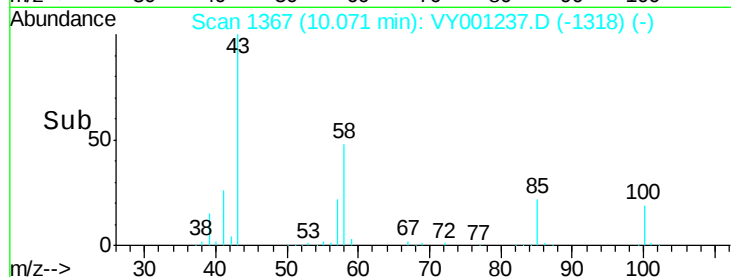
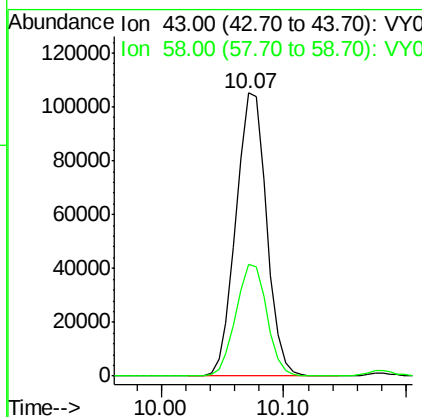
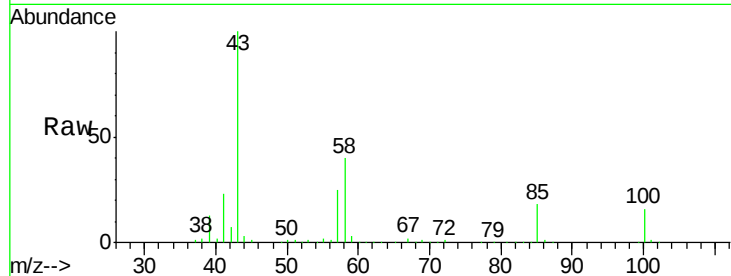
#51
4-Methyl-2-Pentanone
Concen: 114.519 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.3	48.5

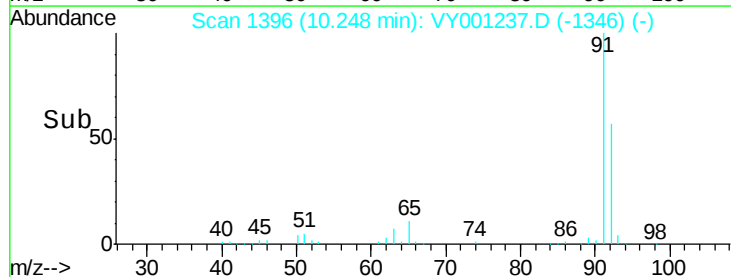
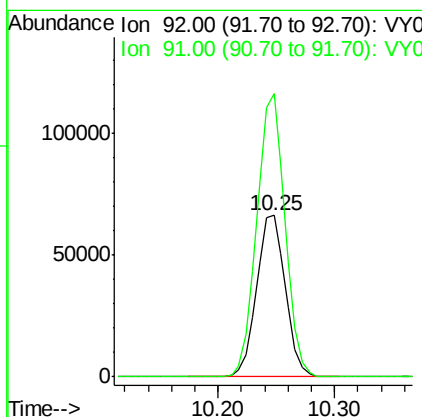
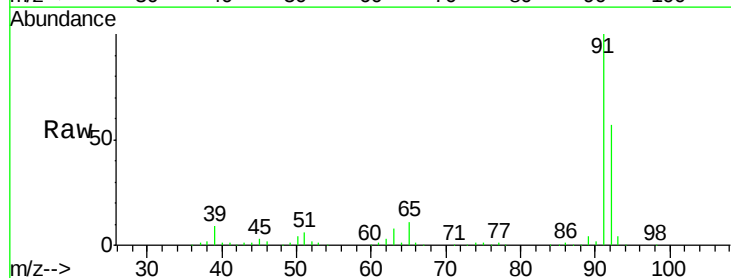
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#52
Toluene
Concen: 22.066 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	136.6	204.8





#53

t-1,3-Dichloropropene

Concen: 21.199 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 75 Resp: 63554

Ion Ratio Lower Upper

75 100

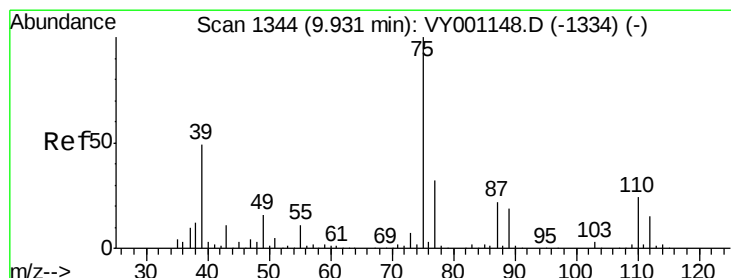
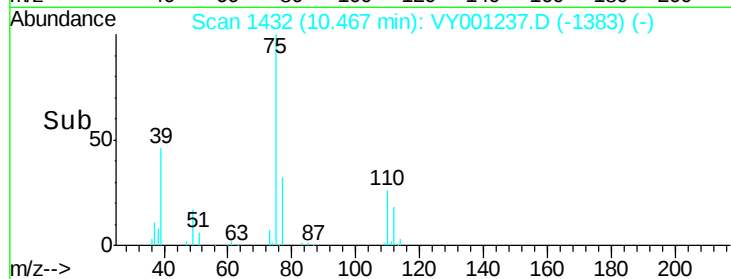
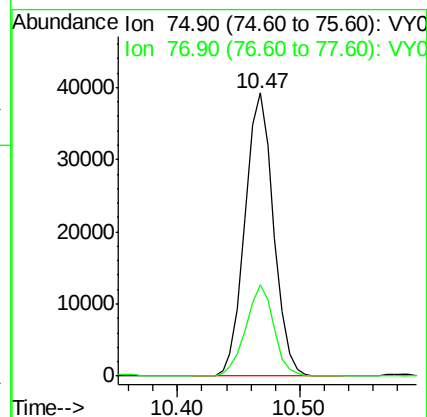
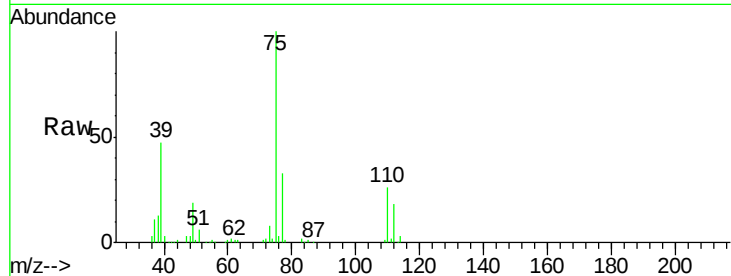
77 32.5 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 21.796 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

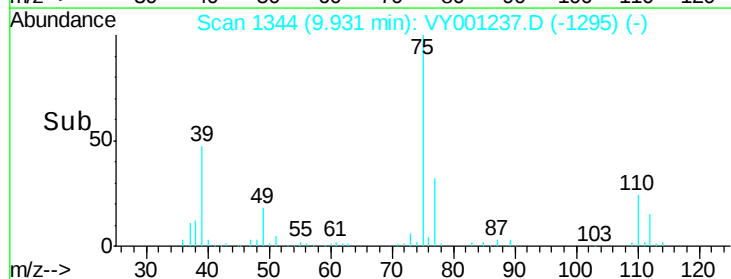
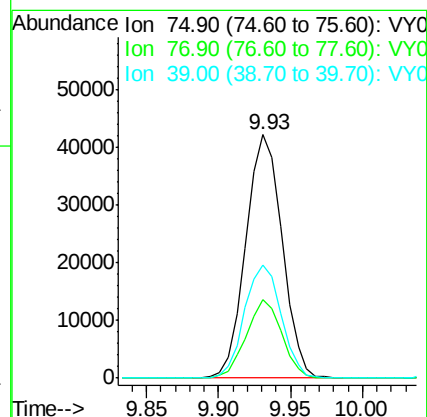
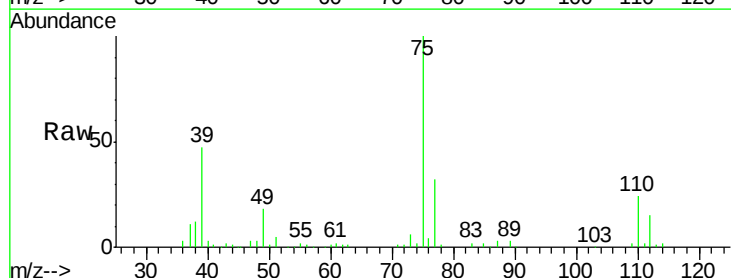
Tgt Ion: 75 Resp: 73670

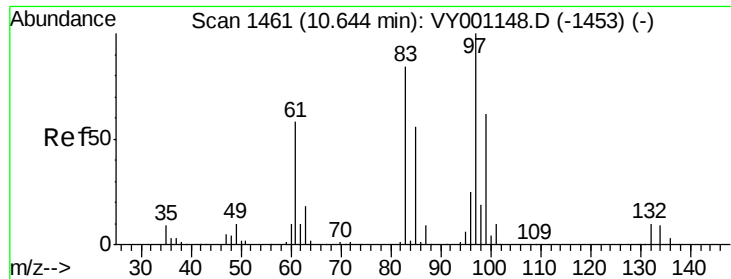
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 46.5 39.1 58.7





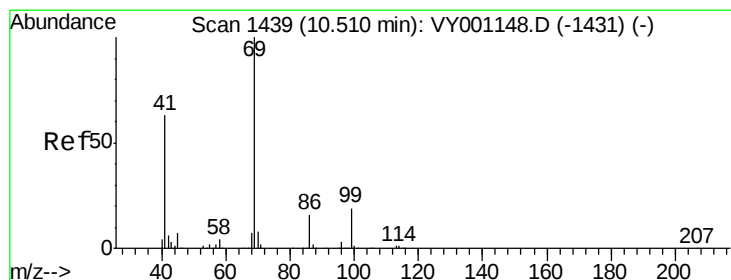
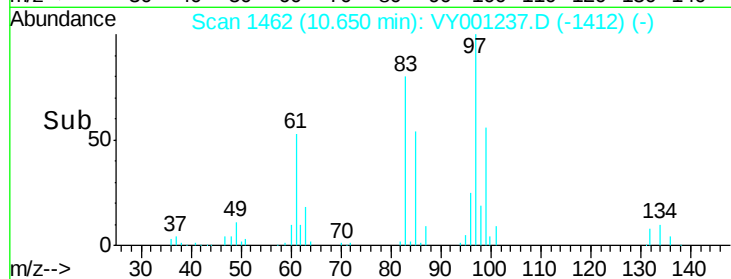
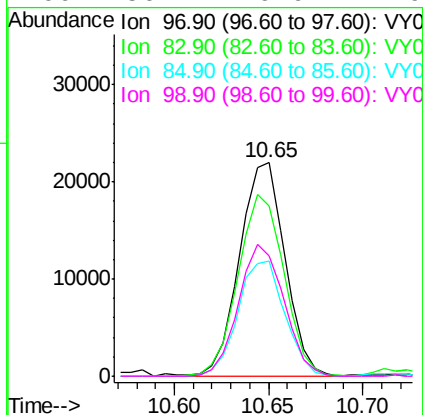
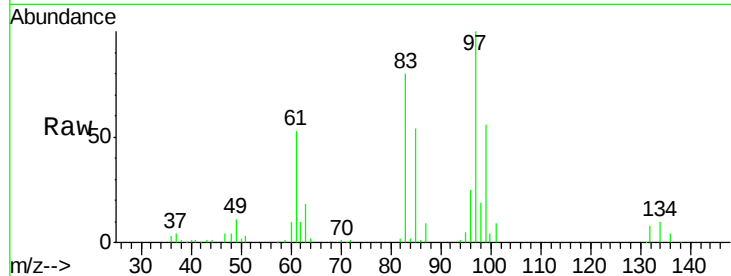
#55
 1,1,2-Trichloroethane
 Concen: 22.609 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion:	97	Resp:	36846
Ion	Ratio	Lower	Upper
97	100		
83	79.6	67.2	100.8
85	53.8	44.9	67.3
99	56.4	49.9	74.9

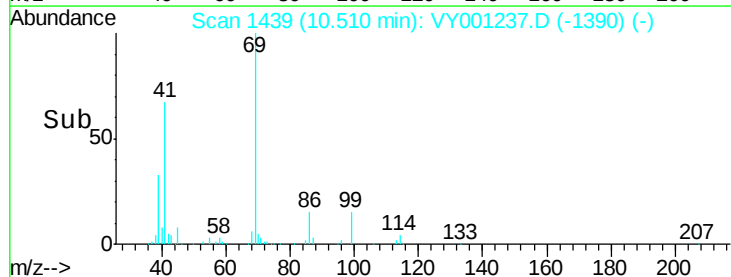
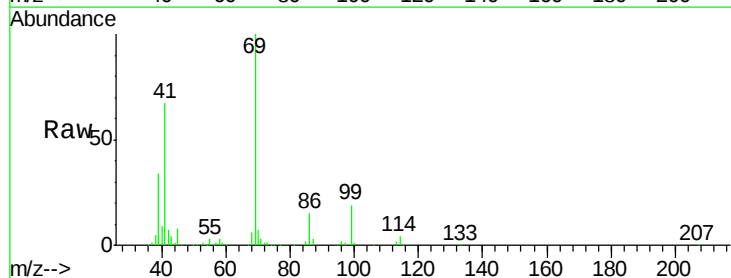
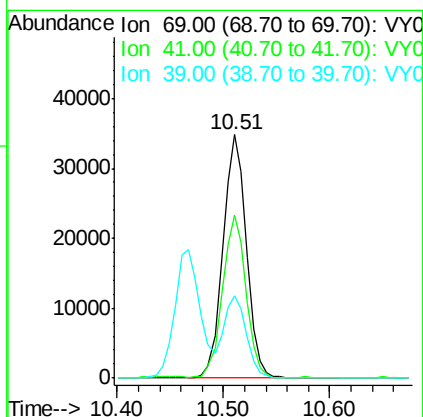
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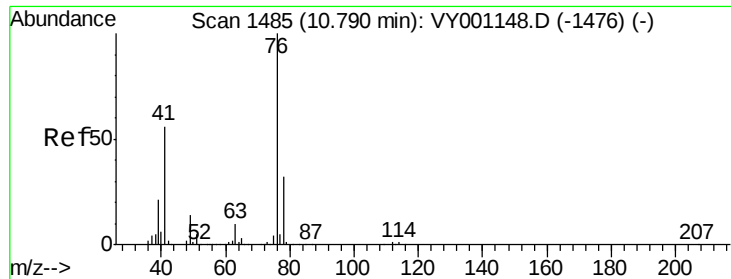
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#56
 Ethyl methacrylate
 Concen: 21.459 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Tgt Ion:	69	Resp:	53495
Ion	Ratio	Lower	Upper
69	100		
41	66.1	51.4	77.2
39	32.1	26.3	39.5





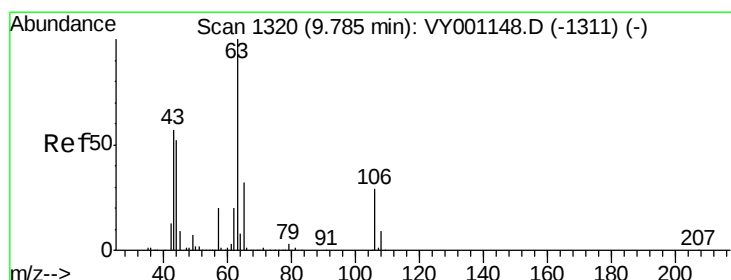
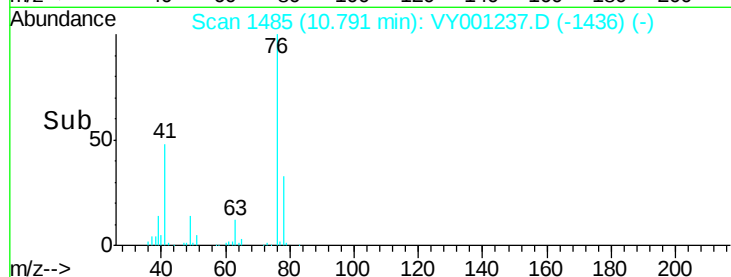
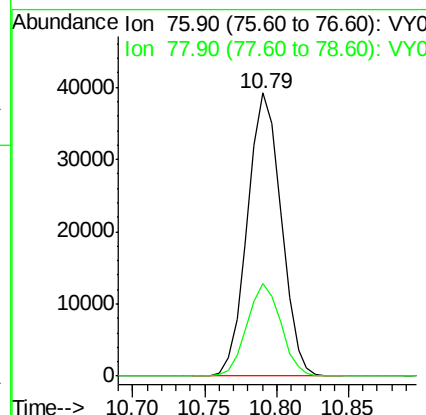
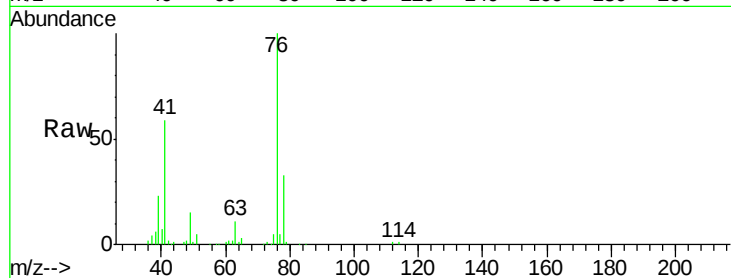
#57
 1,3-Dichloropropane
 Concen: 22.744 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.1	39.1

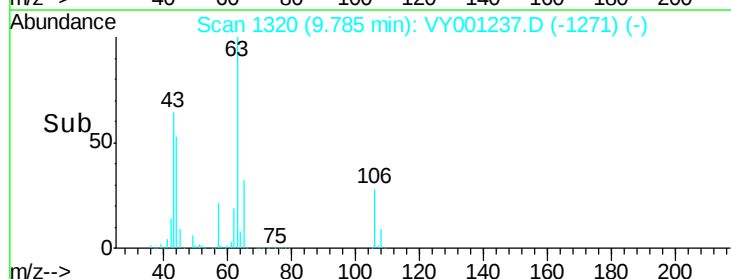
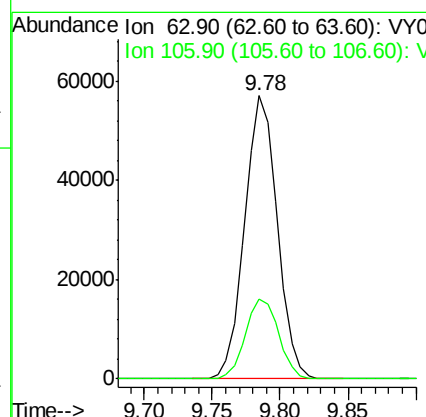
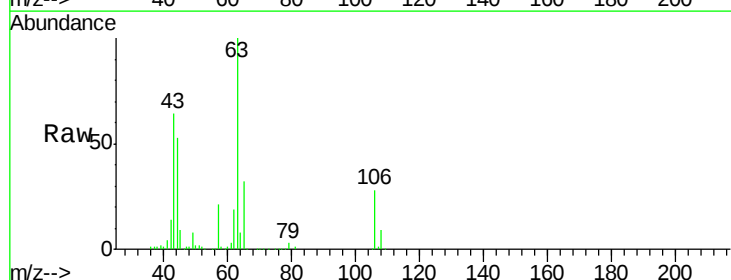
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#58
 2-Chloroethyl Vinyl ether
 Concen: 109.360 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6





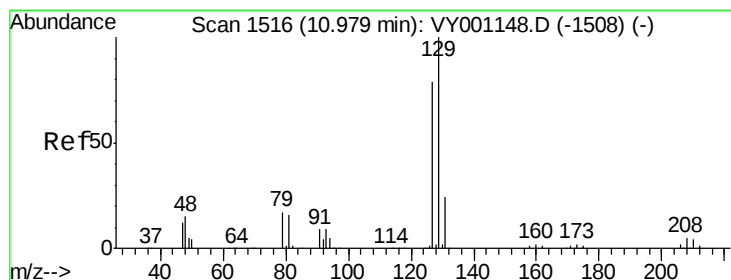
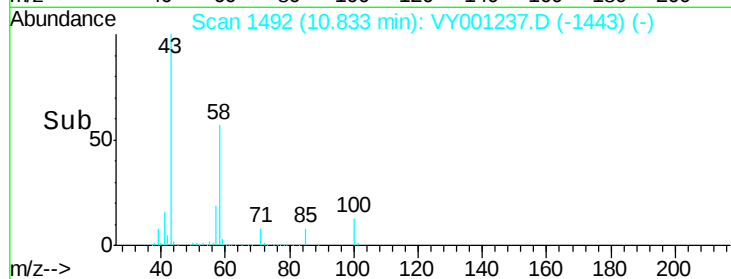
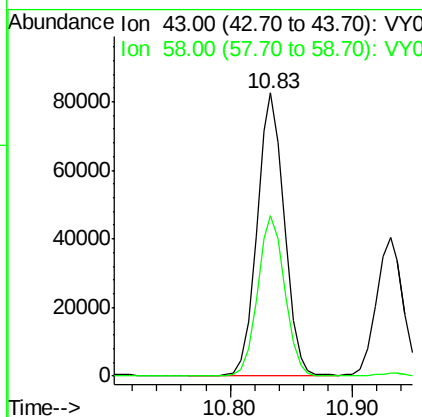
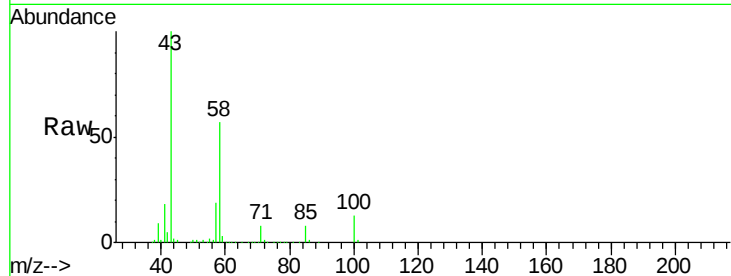
#59
2-Hexanone
Concen: 115.334 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	43	Resp	128502
Ion Ratio	100	Lower	Upper
58	56.2	28.4	85.2

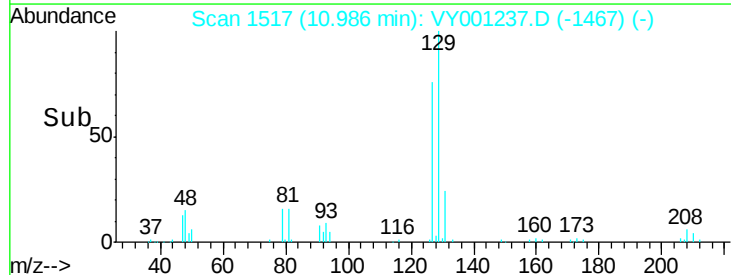
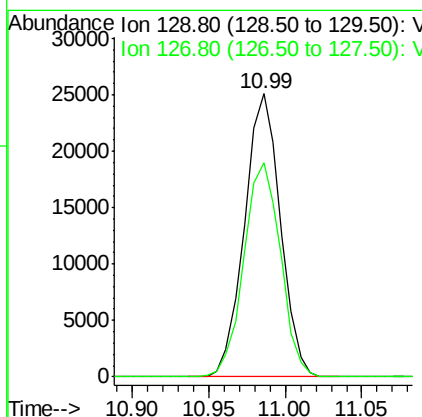
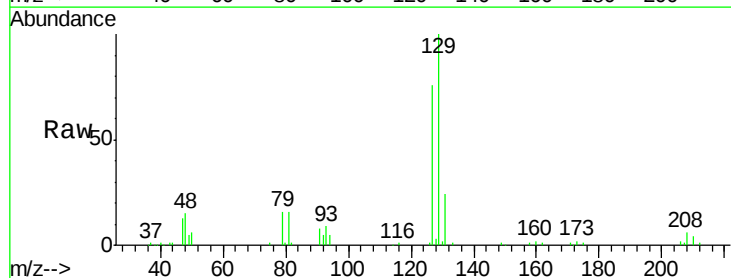
Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:45 AM



#60
Dibromochloromethane
Concen: 21.788 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	129	Resp	40882
Ion Ratio	100	Lower	Upper
127	77.3	38.9	116.7





#61

1,2-Dibromoethane

Concen: 22.158 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 107 Resp: 35260

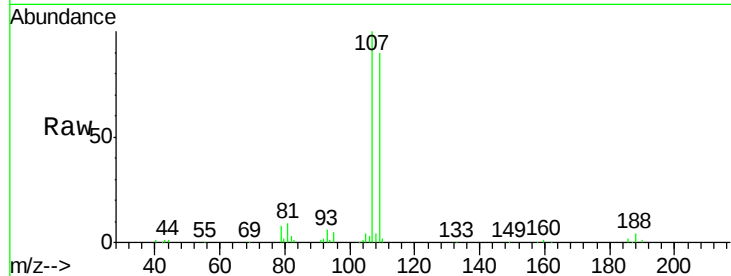
Ion Ratio Lower Upper

107 100

109 91.9 75.4 113.0

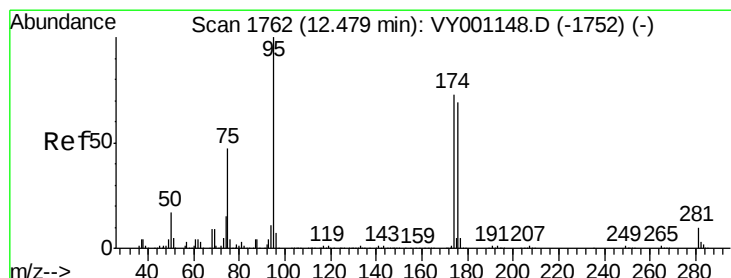
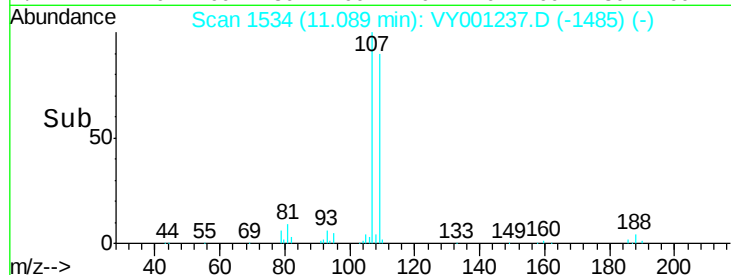
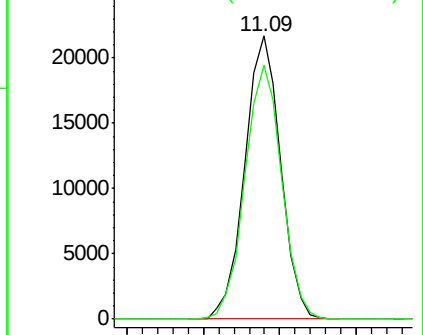
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.172 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

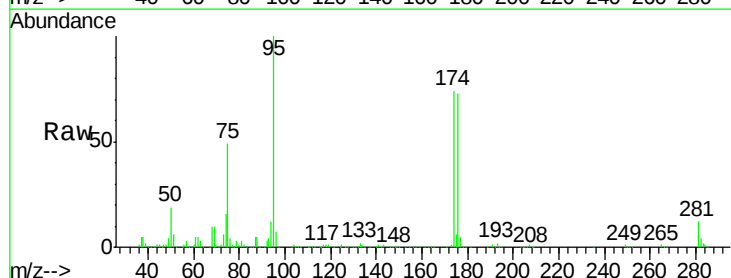
Tgt Ion: 95 Resp: 133274

Ion Ratio Lower Upper

95 100

174 74.9 0.0 143.2

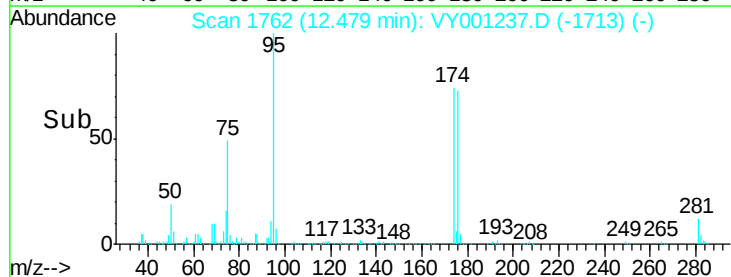
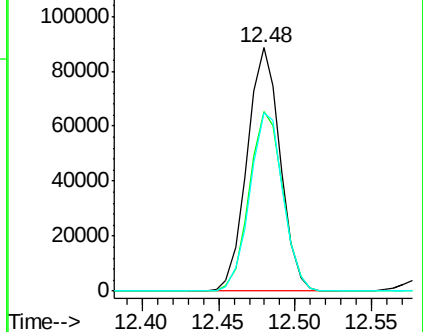
176 73.8 0.0 136.0

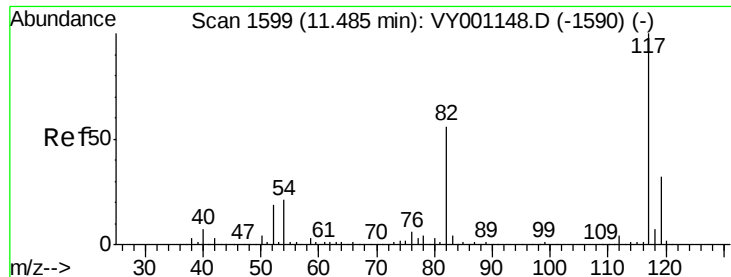


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





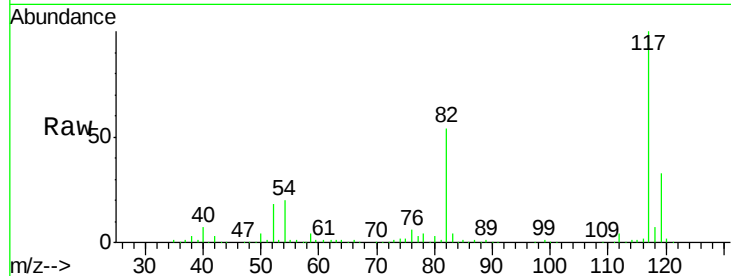
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.9	67.3
119	32.7	25.7	38.5

Manual Integrations
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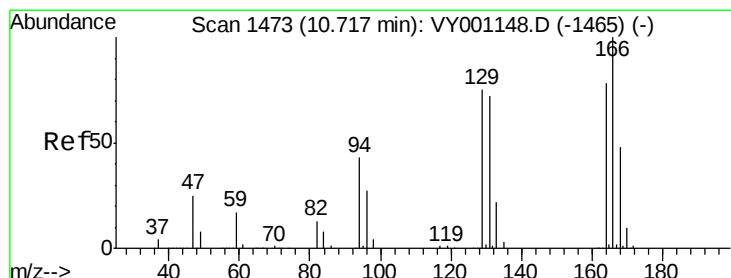
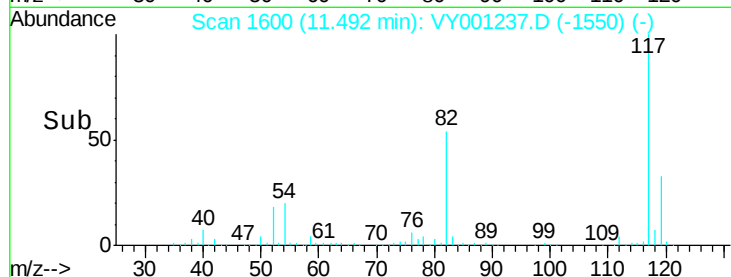
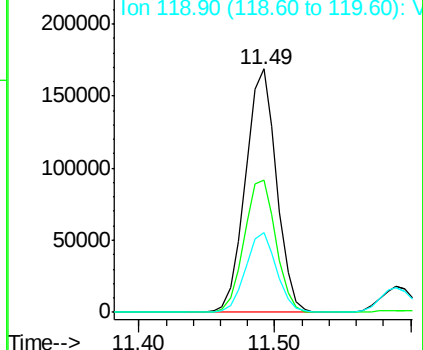


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.323 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	102.3	153.5
129	92.9	76.2	114.4
131	92.7	73.9	110.9

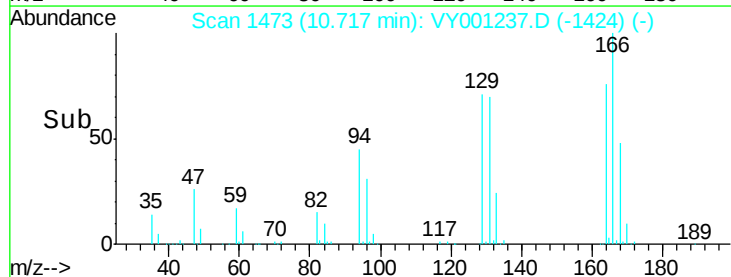
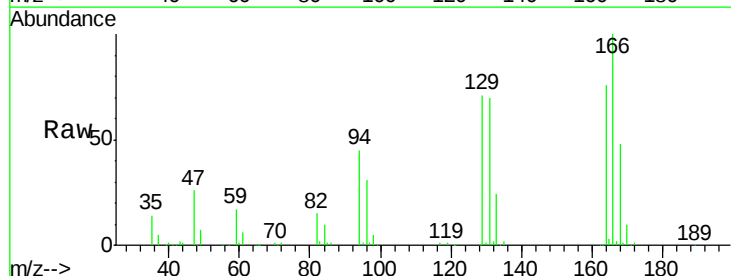
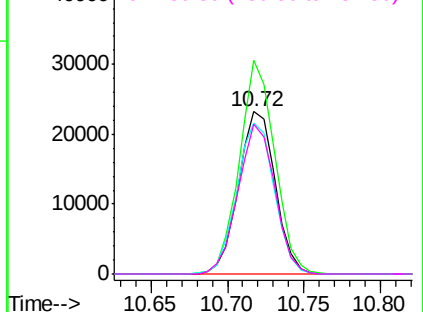
Abundance

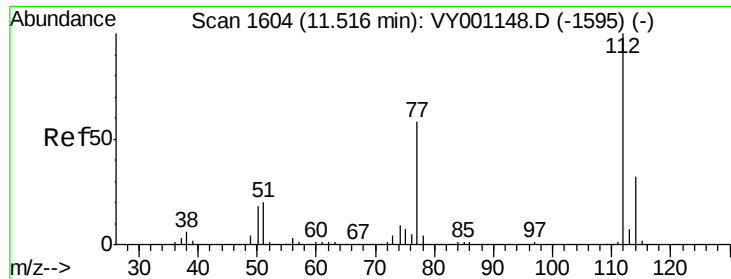
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.230 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion:112 Resp: 119589

Ion Ratio Lower Upper

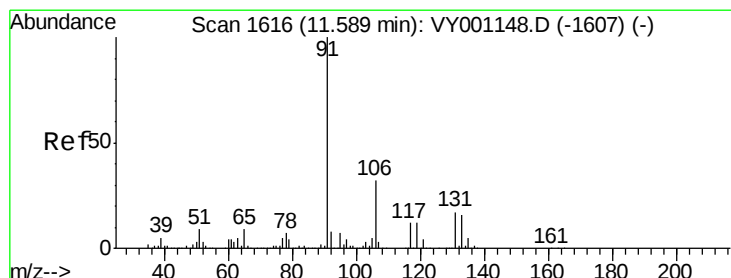
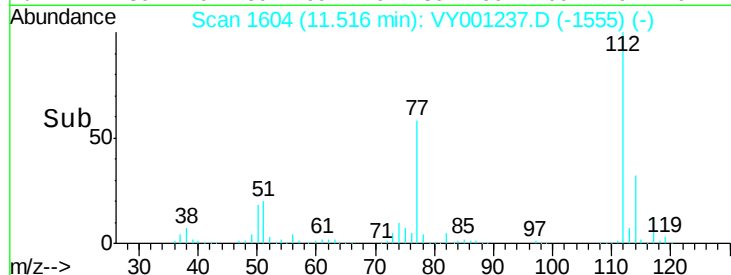
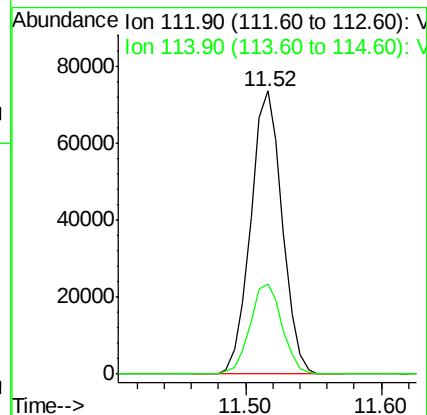
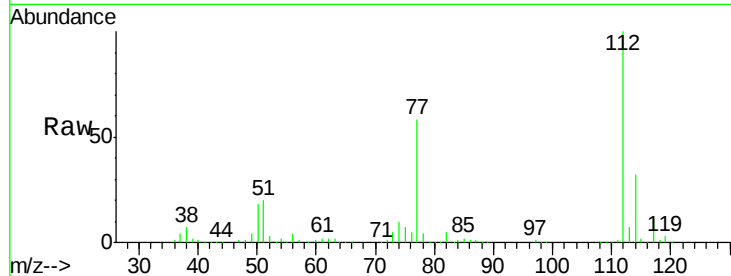
112 100

114 32.0 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 22.708 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

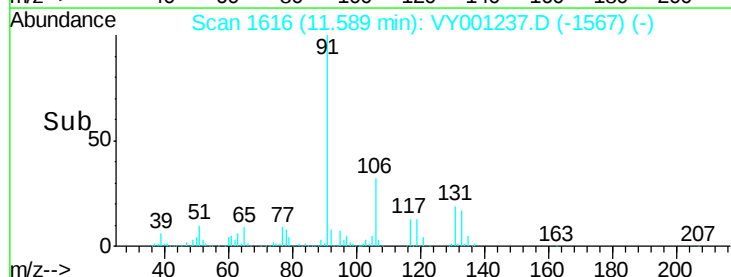
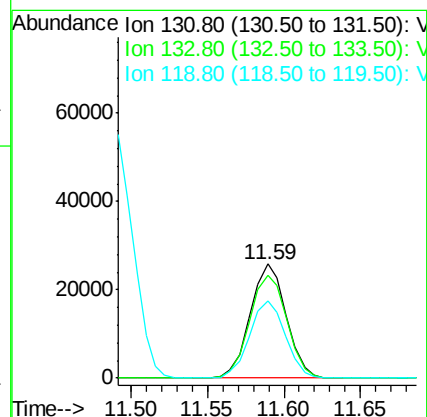
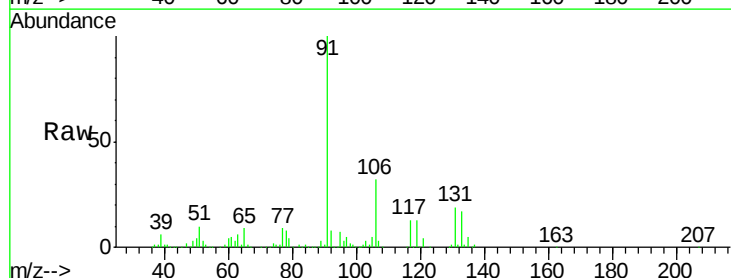
Tgt Ion:131 Resp: 42103

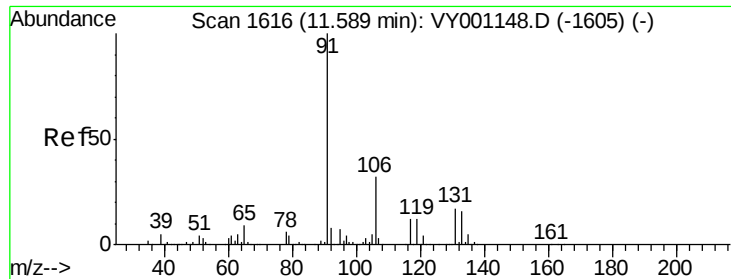
Ion Ratio Lower Upper

131 100

133 93.8 47.3 142.0

119 67.6 33.6 100.8





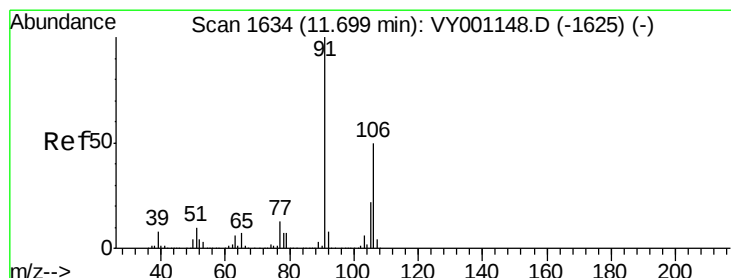
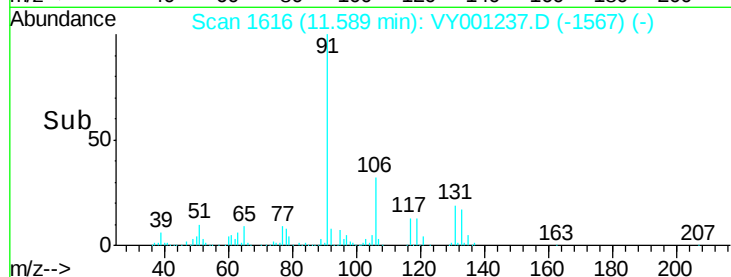
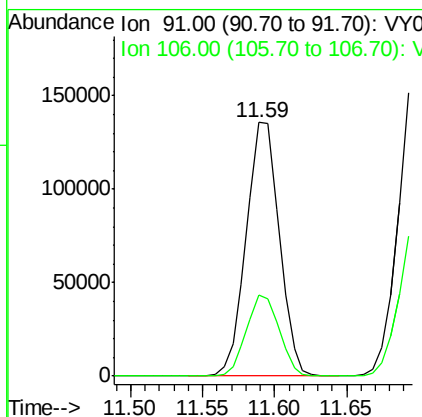
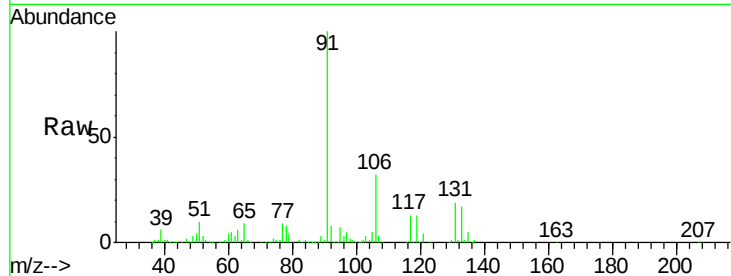
#67
Ethyl Benzene
Concen: 21.922 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion: 91 Resp: 215739
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9

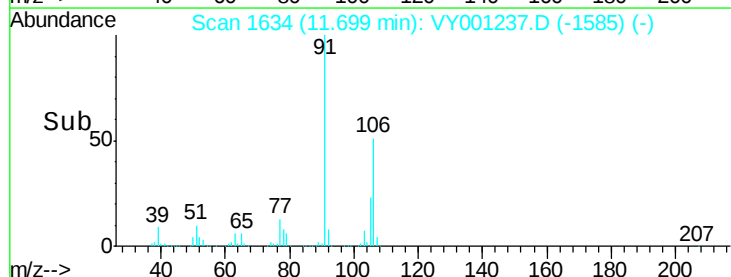
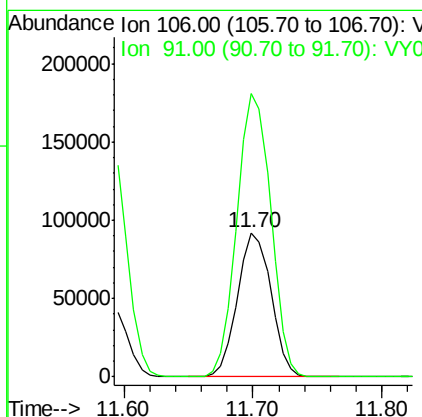
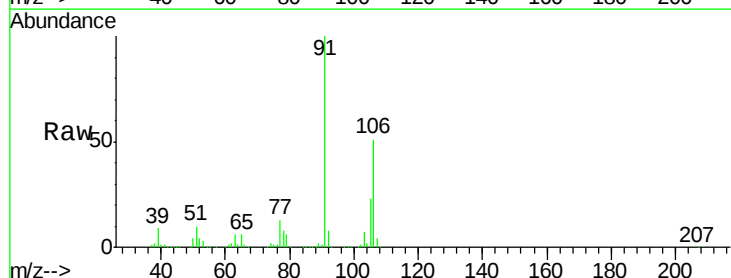
Manual Integrations
APPROVED

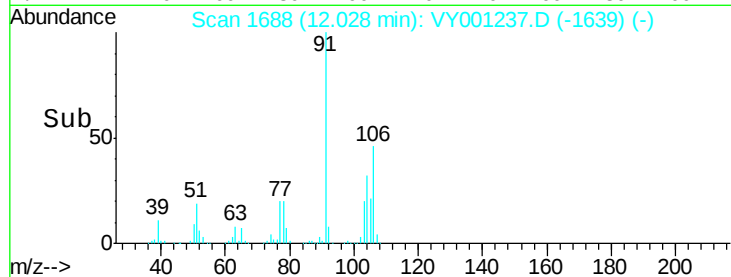
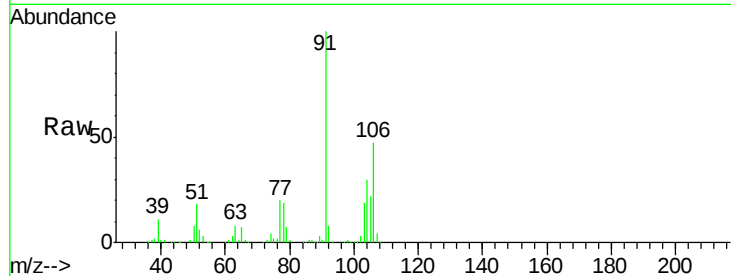
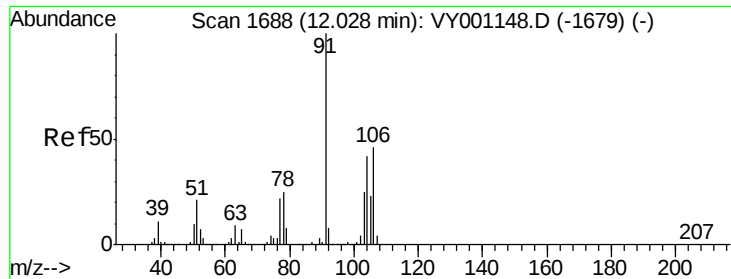
MMDadoda
1/16/2020 9:36:45 AM



#68
m/p-Xylenes
Concen: 44.766 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion: 106 Resp: 166188
Ion Ratio Lower Upper
106 100
91 199.0 161.4 242.2





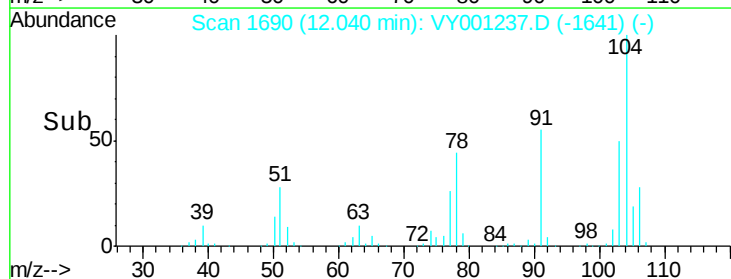
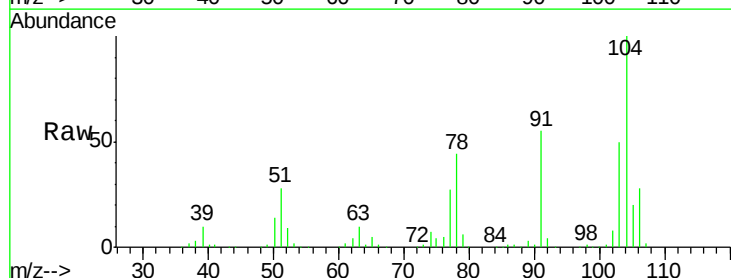
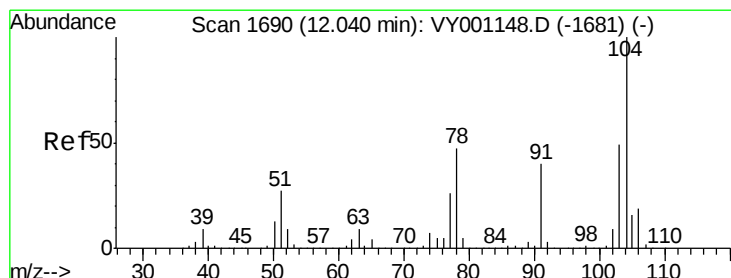
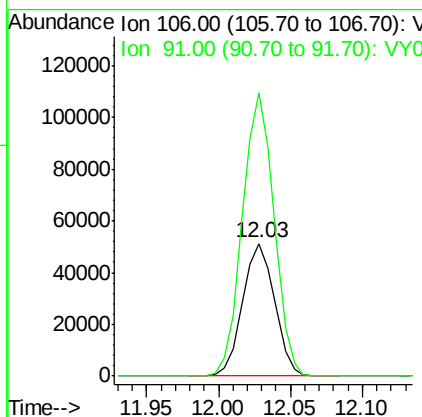
#69
o-Xylene
Concen: 22.089 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tot Ion:106 Resp: 78621
Ion Ratio Lower Upper
106 100
91 211.1 106.3 318.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

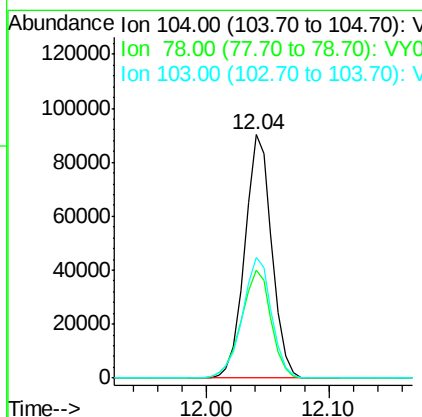
Manual Integrations
APPROVED

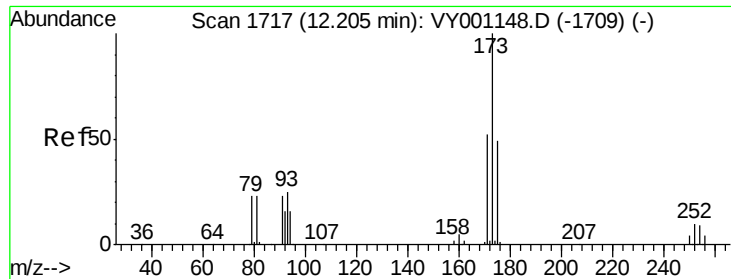
MMDadoda
1/16/2020 9:36:45 AM



#70
Styrene
Concen: 22.078 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion:104 Resp: 137883
Ion Ratio Lower Upper
104 100
78 48.6 40.5 60.7
103 53.5 42.4 63.6





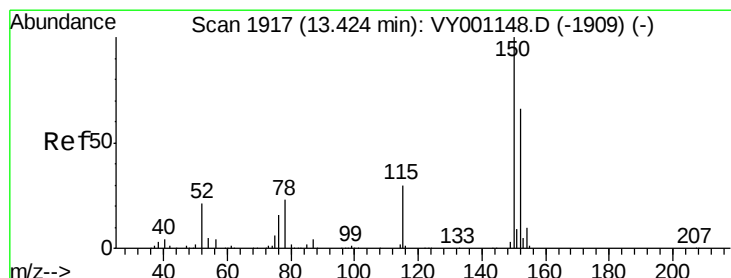
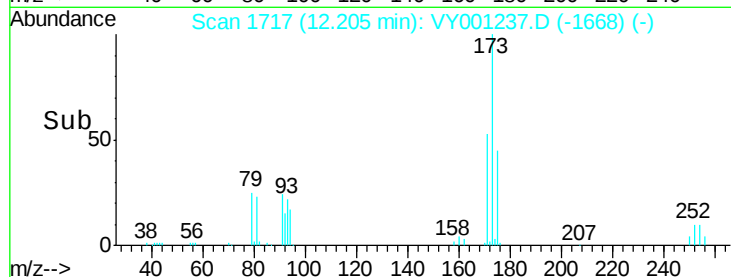
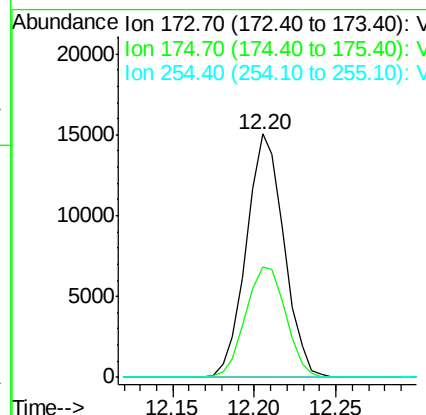
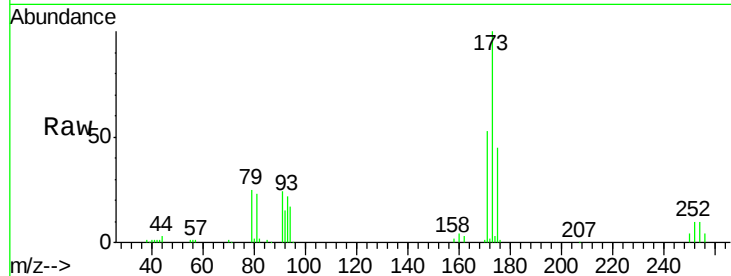
#71
Bromoform
Concen: 21.188 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.2
254	0.0	0.1	0.1#

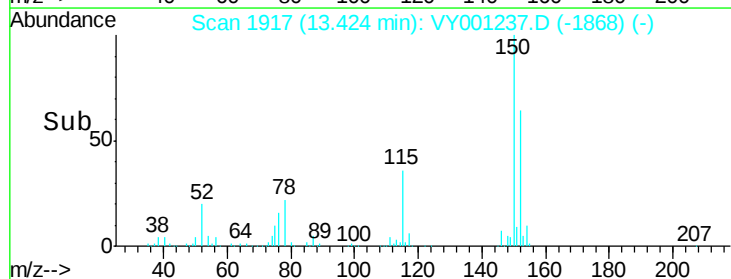
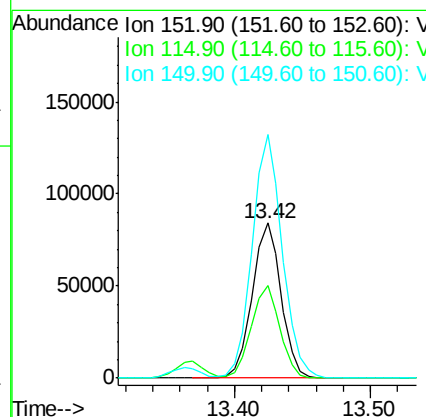
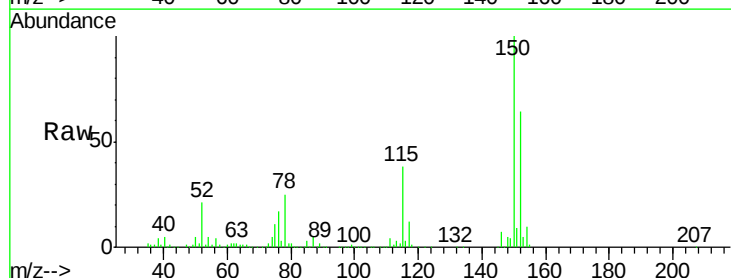
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1/16/2020 9:36:45 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.9	92.5
150	164.4	0.0	346.8





#73

Isopropylbenzene

Concen: 21.865 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 105 Resp: 205411

Ion Ratio Lower Upper

105 100

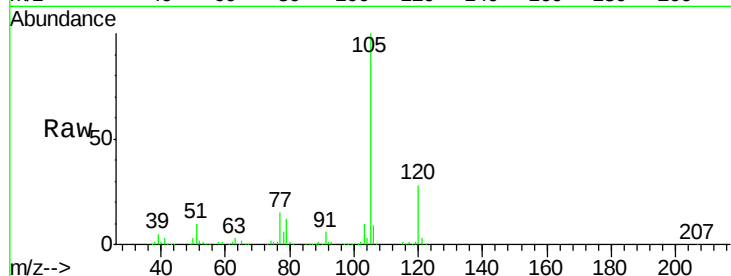
120 27.3 13.4 40.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

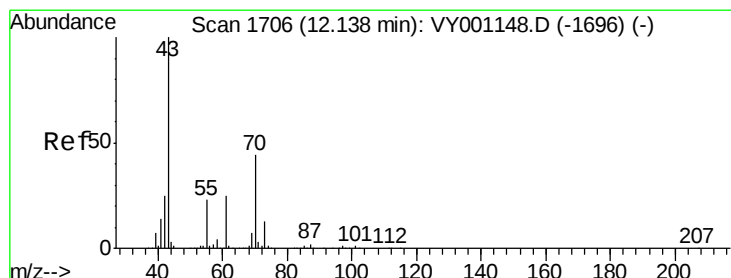
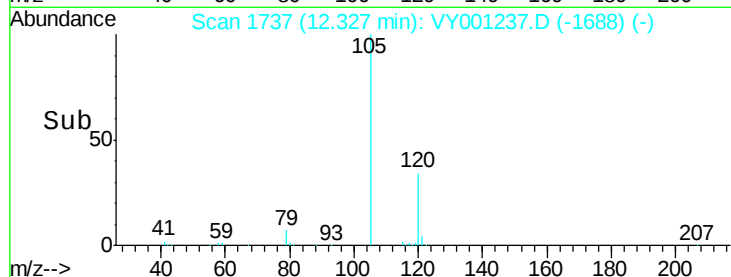
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.445 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Tgt Ion: 43 Resp: 65807

Ion Ratio Lower Upper

43 100

70 41.7 35.0 52.6

55 22.6 18.4 27.6

61 24.8 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

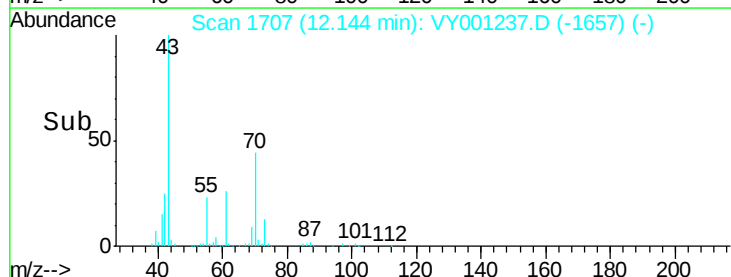
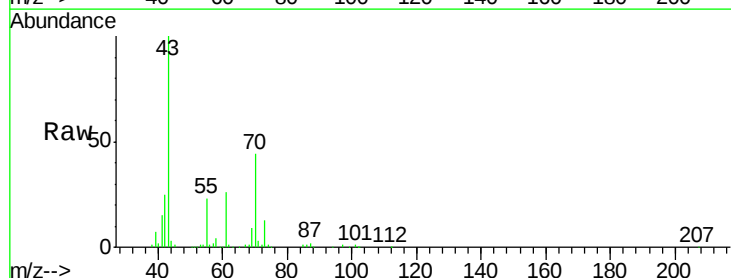
60000

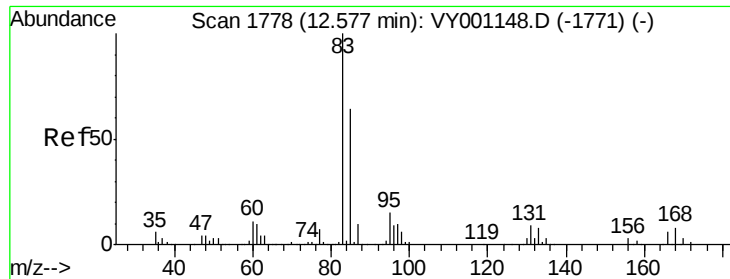
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.904 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

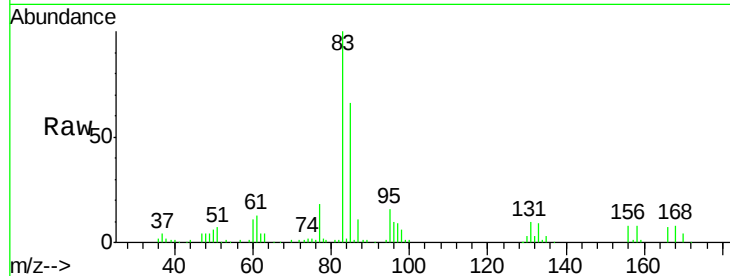
ClientSampleId :

VY0115SBS02

Tot Ion:	83	Resp:	45272
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.3	32.2	96.6

Manual Integrations
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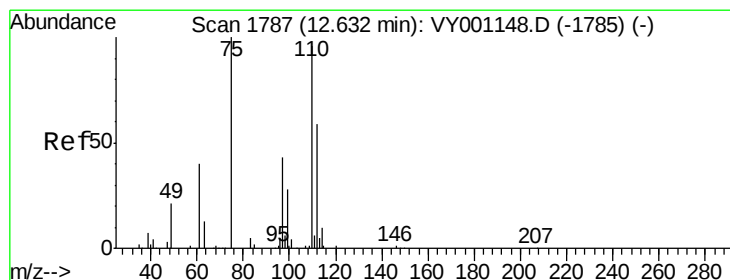
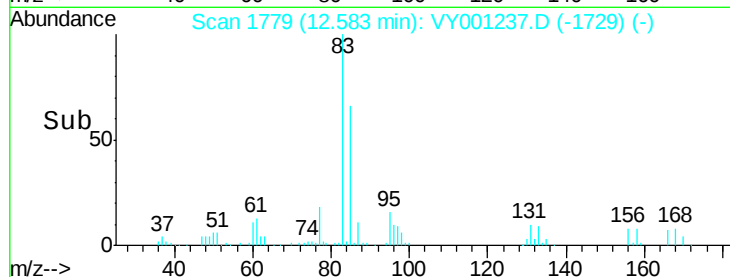
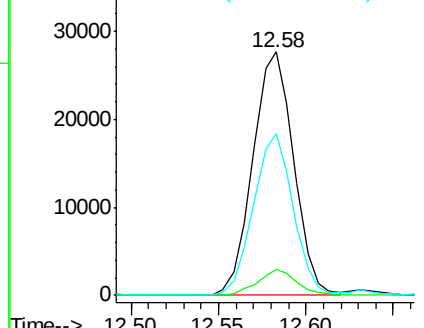
MMDadoda
1/16/2020 9:36:45 AM



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 22.760 ug/l m

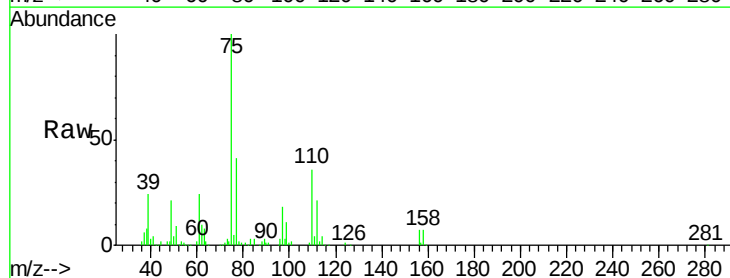
RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001237.D

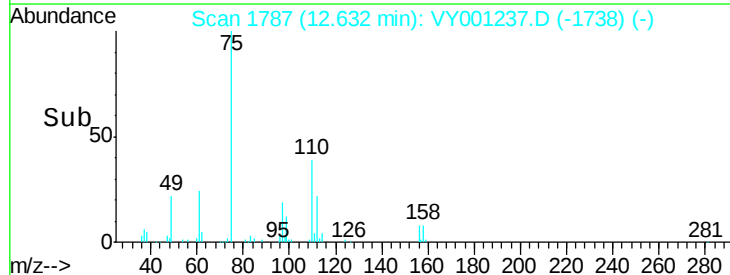
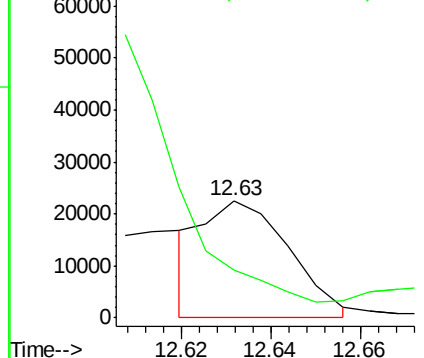
Acq: 15 Jan 2020 23:21

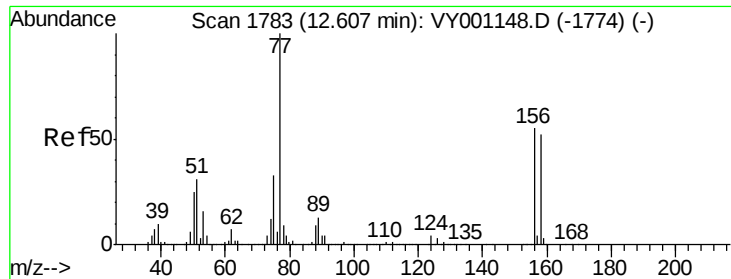
Tgt Ion:	75	Resp:	30448
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 23.009 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion:156 Resp: 47763

Ion Ratio Lower Upper

156 100

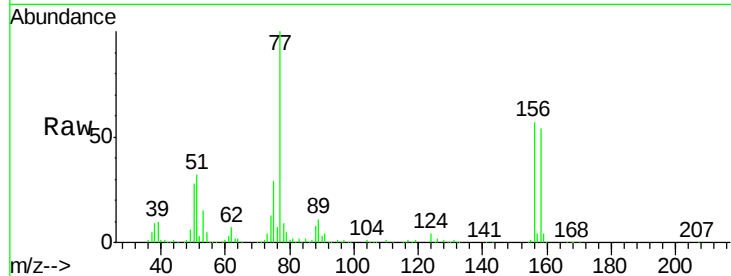
77 202.1 106.7 320.1

158 96.4 48.3 144.8

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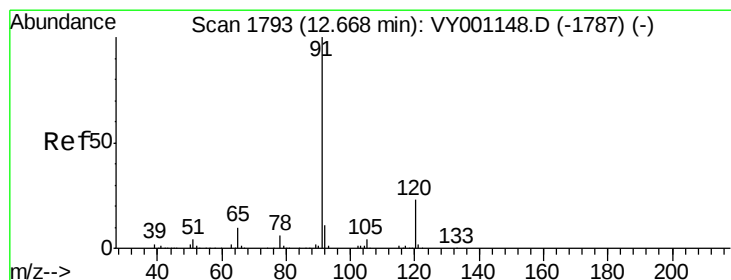
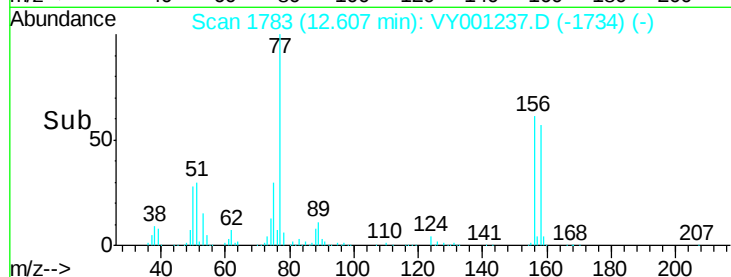
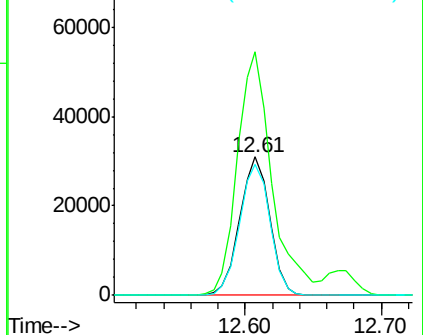
1/16/2020 9:36:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.073 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001237.D

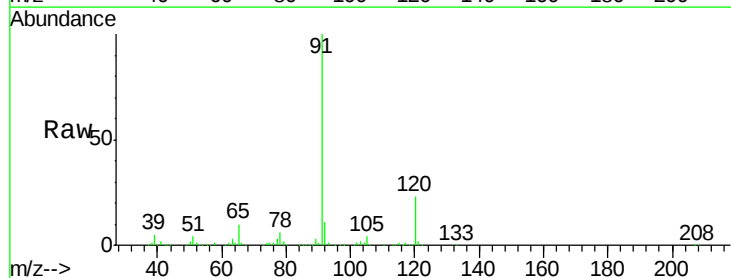
Acq: 15 Jan 2020 23:21

Tgt Ion: 91 Resp: 249437

Ion Ratio Lower Upper

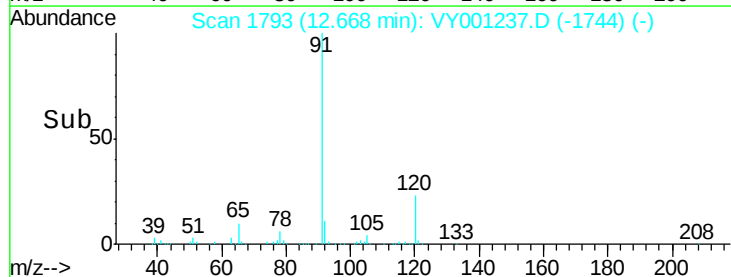
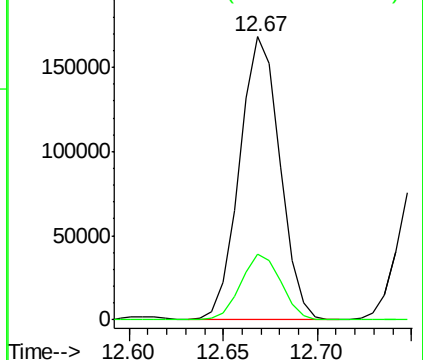
91 100

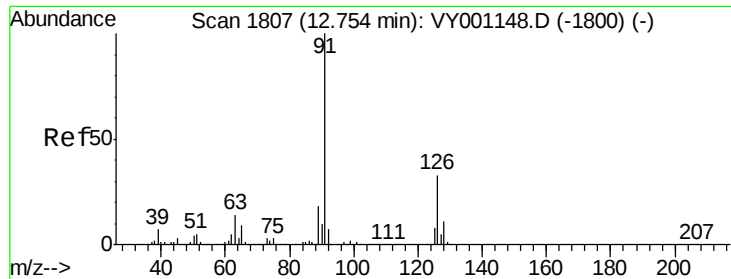
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





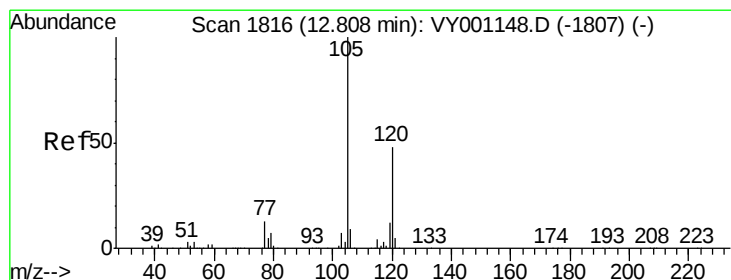
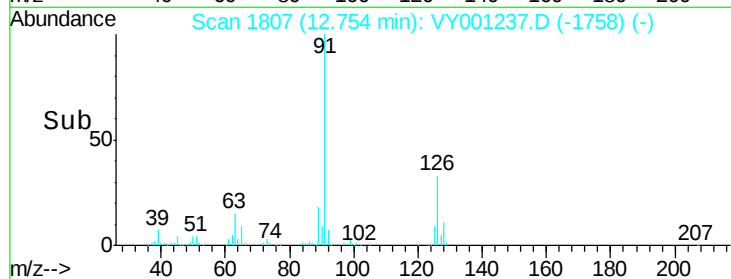
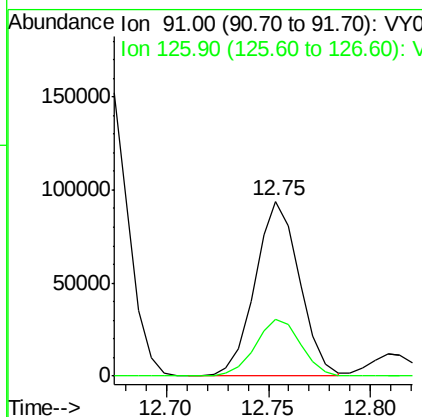
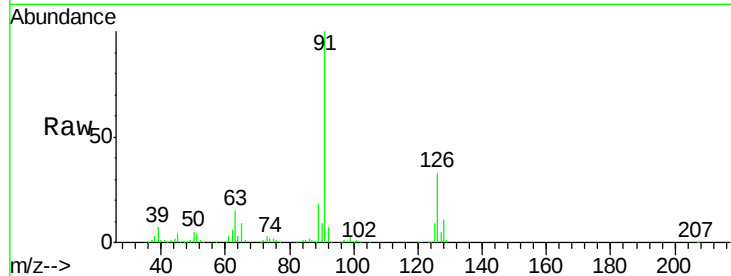
#79
 2-Chlorotoluene
 Concen: 21.844 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion: 91 Resp: 141764
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.4 49.4

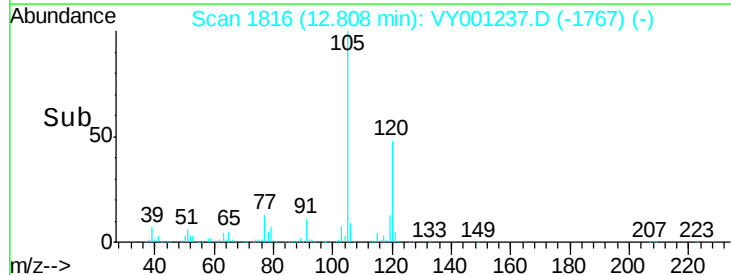
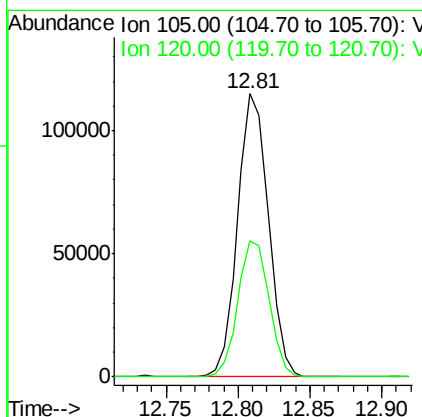
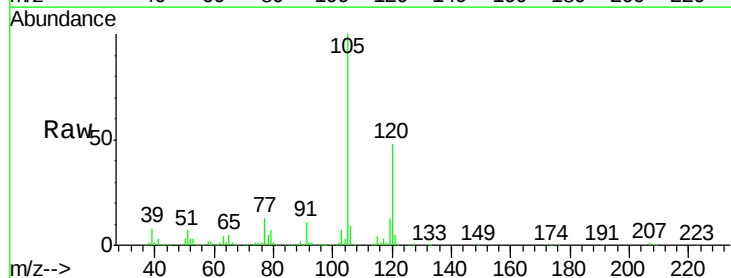
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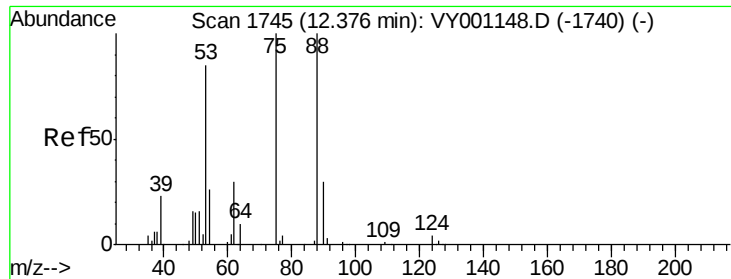
MMDadoda
 1/16/2020 9:36:45 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.836 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Tgt Ion: 105 Resp: 171169
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.302 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

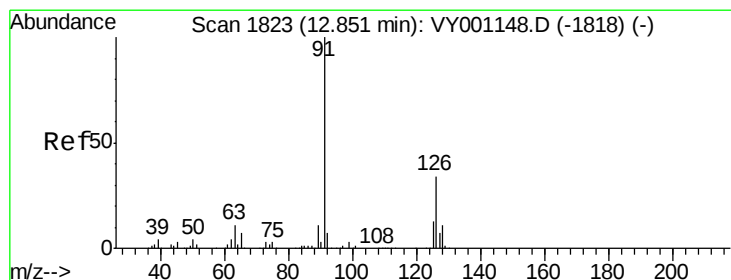
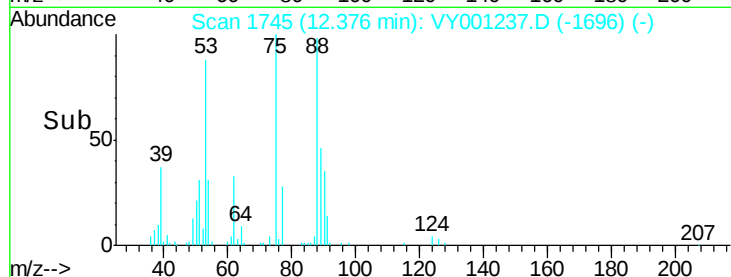
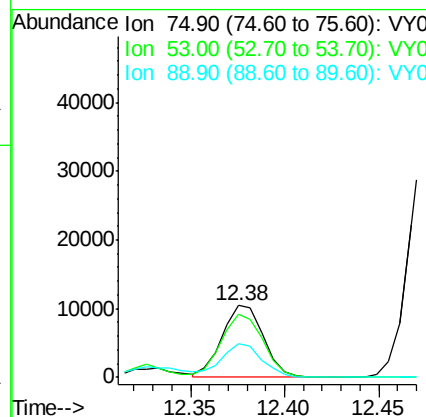
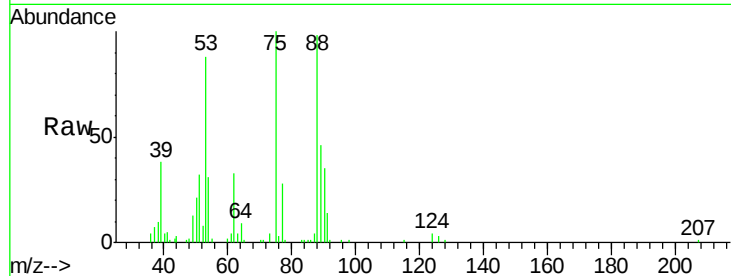
ClientSampleId :

VY0115SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	69.4	104.2
89	46.1	0.0	0.0#

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#82

4-Chlorotoluene

Concen: 21.181 ug/l

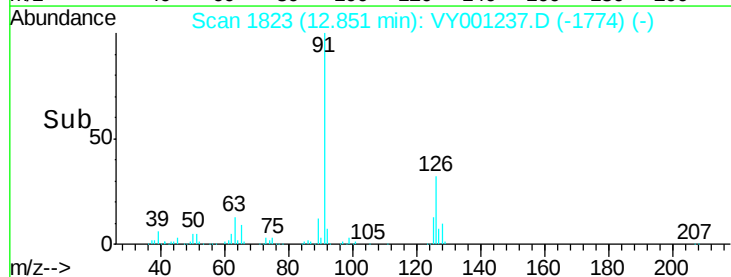
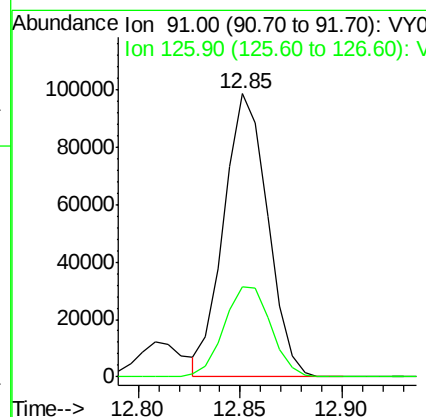
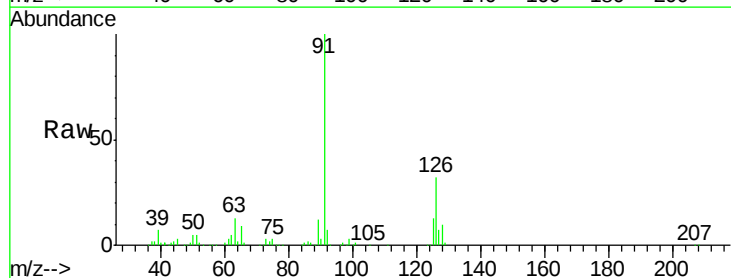
RT: 12.85 min Scan# 1823

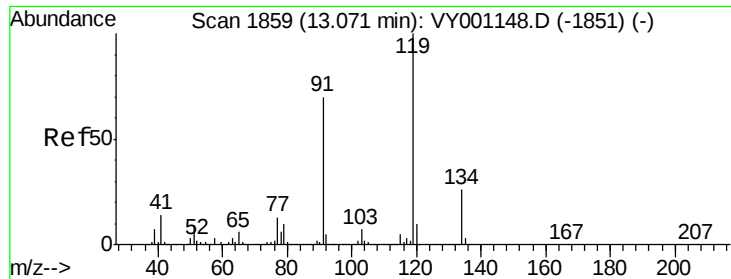
Delta R.T. 0.00 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.3	48.8





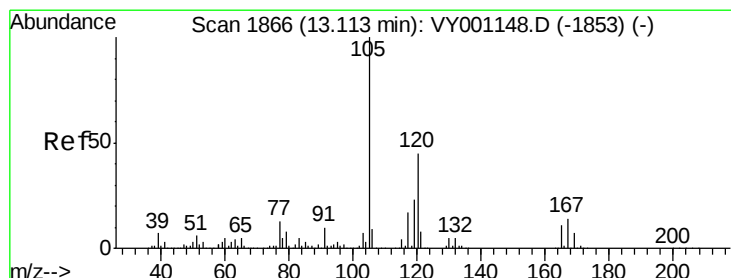
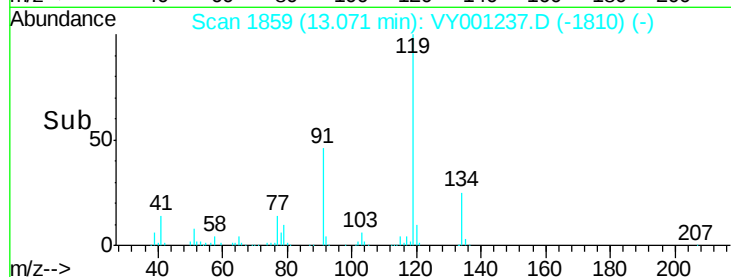
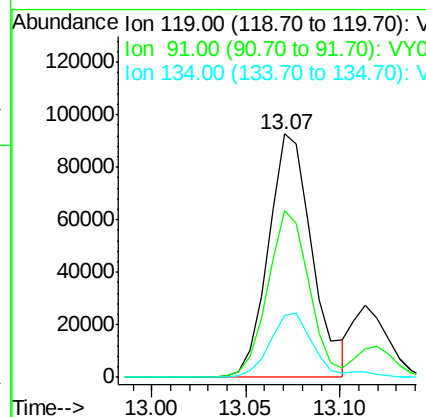
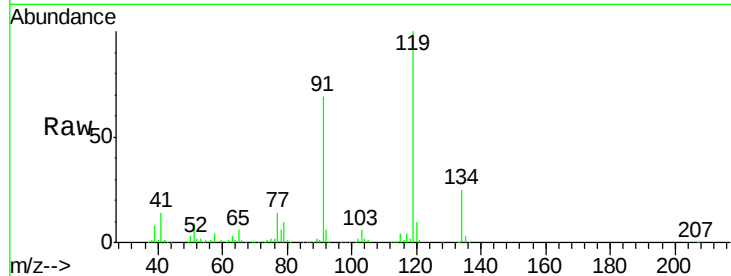
#83
tert-Butylbenzene
Concen: 22.622 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	33.9	101.7
134	26.7	13.5	40.4

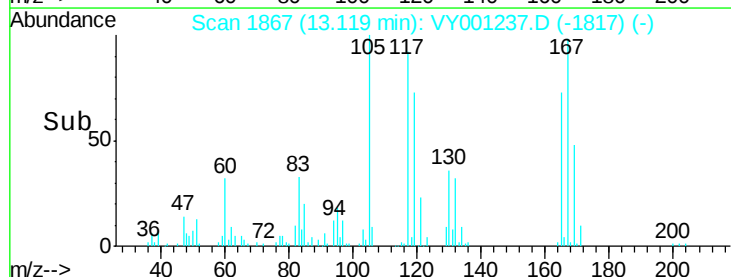
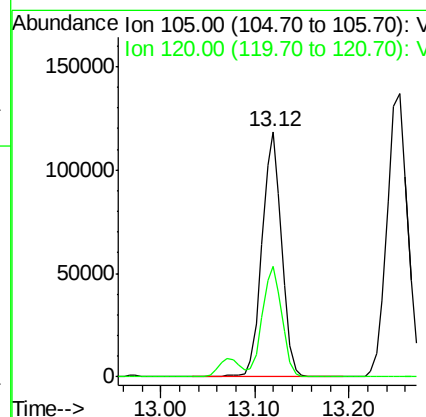
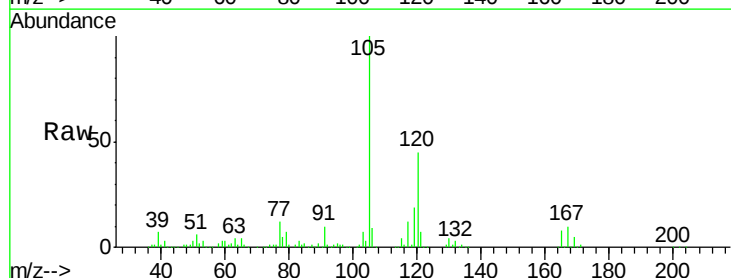
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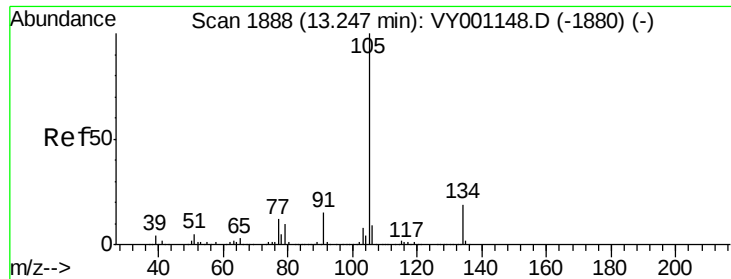
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.353 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.3





#85

sec-Butylbenzene

Concen: 21.928 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion:105 Resp: 207778

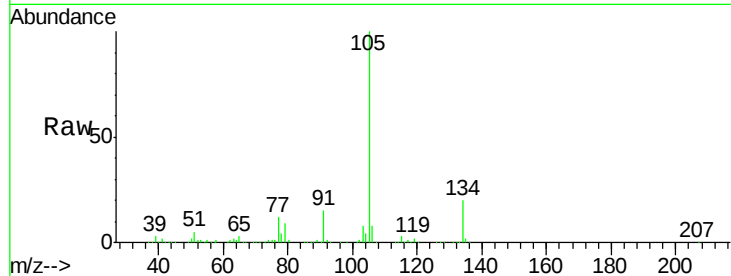
Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5

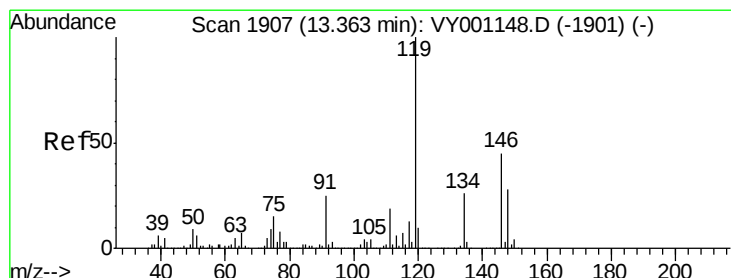
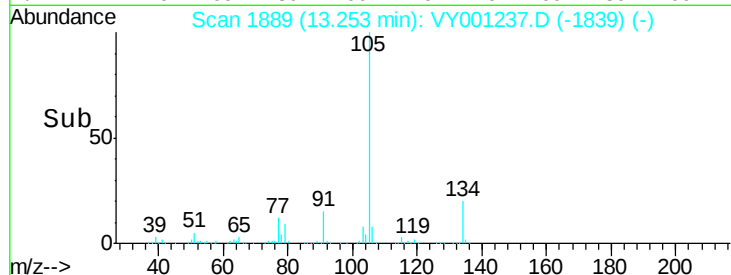
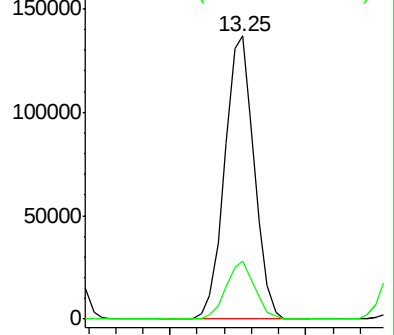
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.090 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001237.D

Acq: 15 Jan 2020 23:21

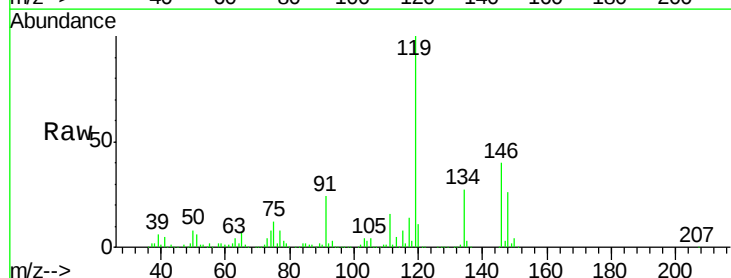
Tgt Ion:119 Resp: 181739

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

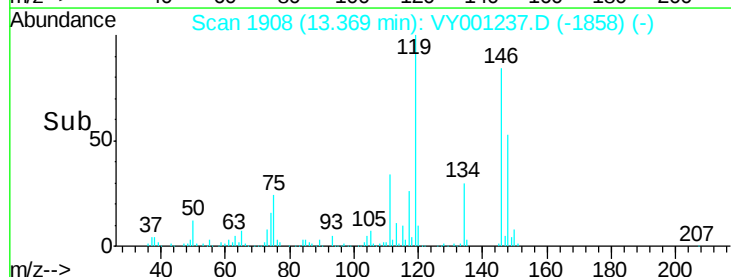
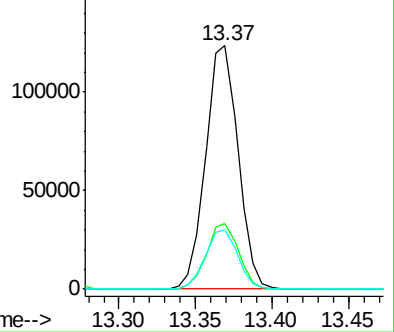
91 24.1 12.4 37.2

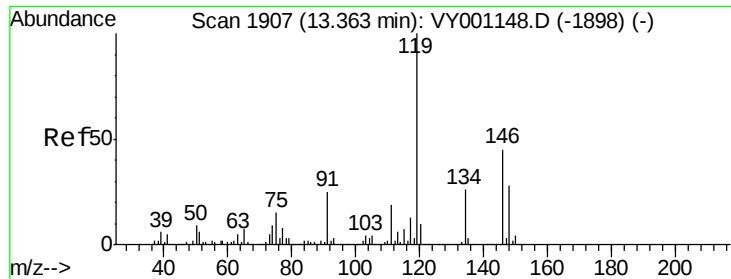


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





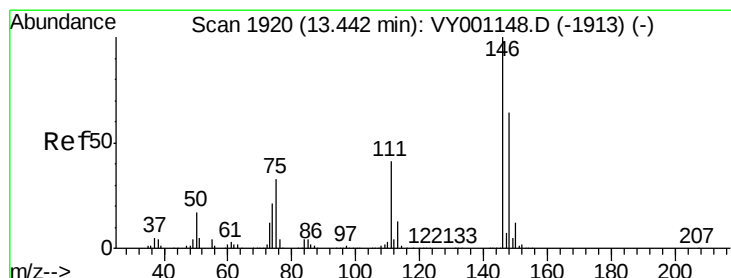
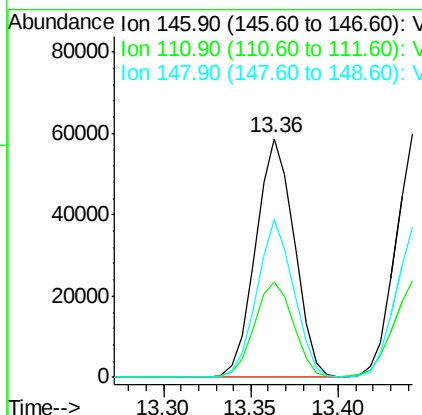
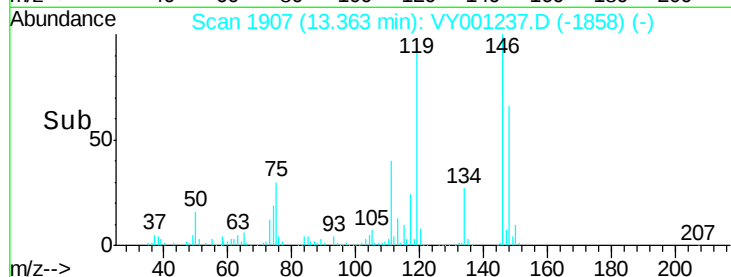
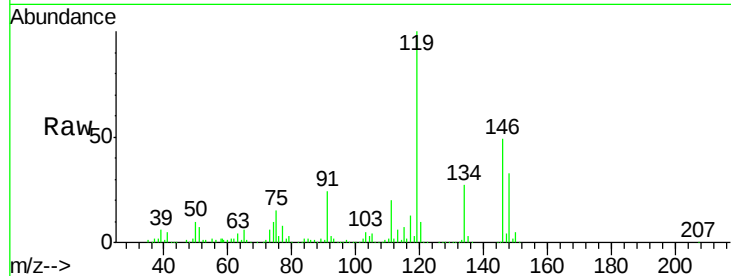
#87
 1,3-Dichlorobenzene
 Concen: 23.004 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.3	64.0
148	63.0	31.9	95.5

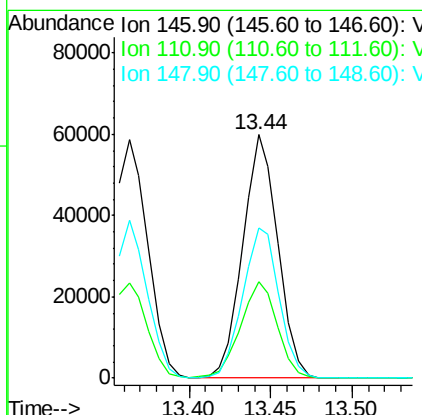
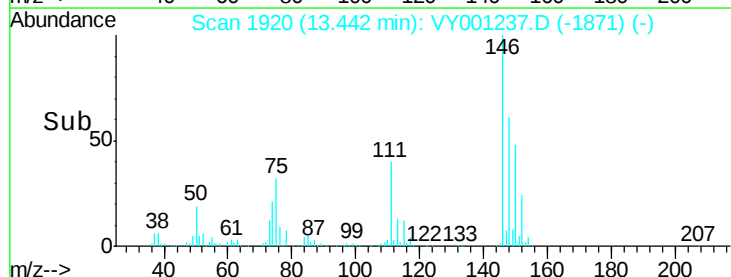
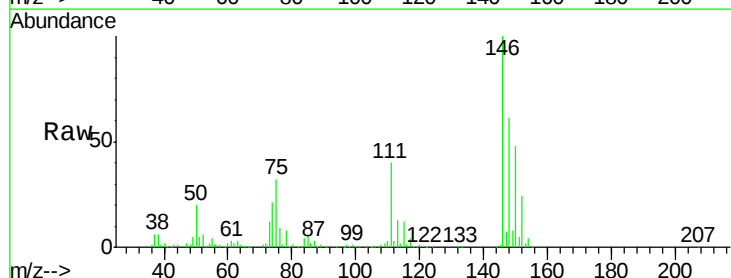
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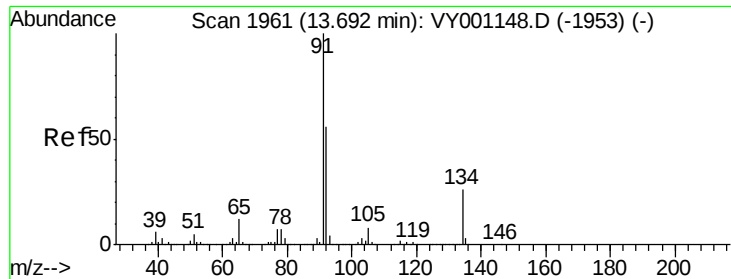
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#88
 1,4-Dichlorobenzene
 Concen: 22.160 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	64.1	32.0	96.2





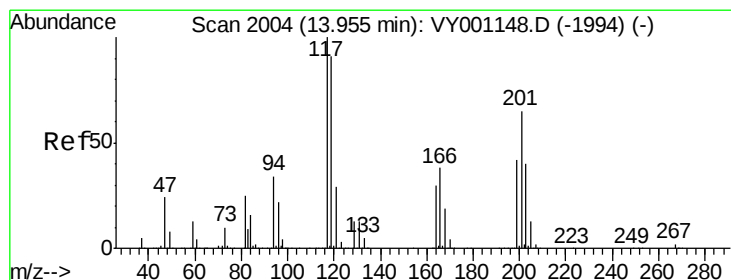
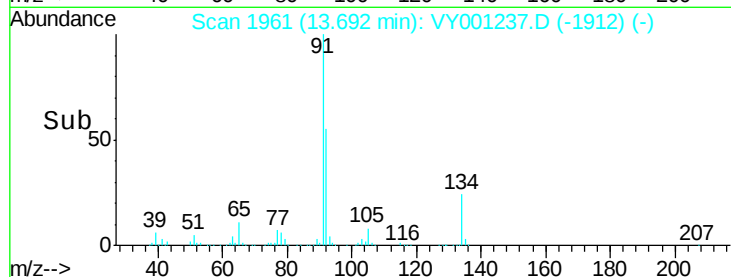
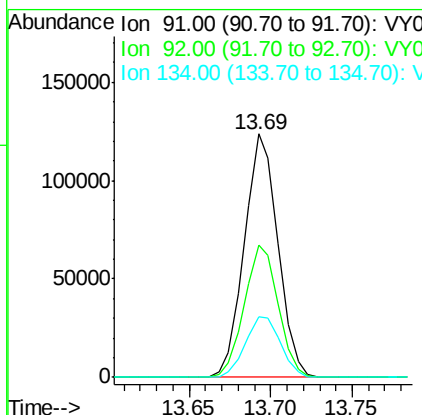
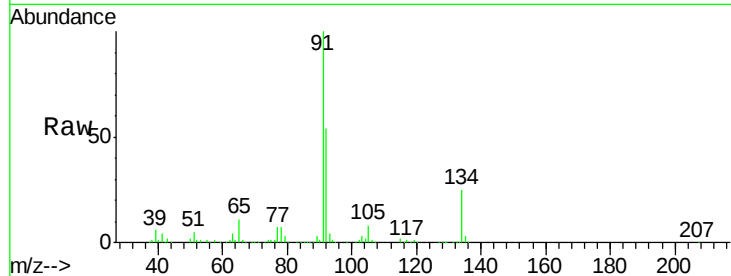
#89
n-Butylbenzene
Concen: 21.449 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.7	83.1
134	26.0	12.9	38.6

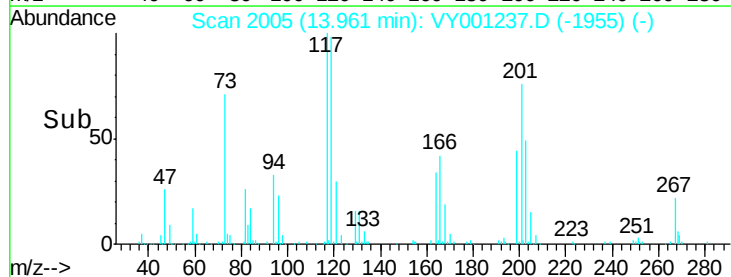
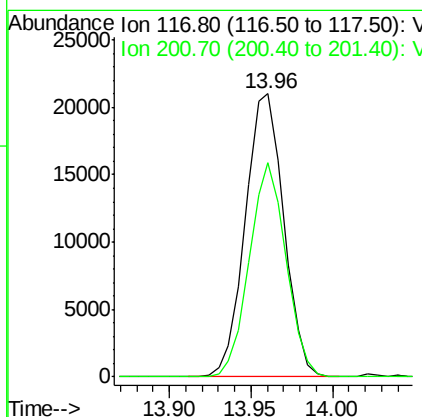
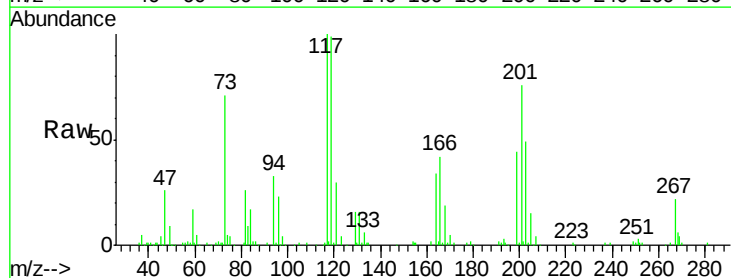
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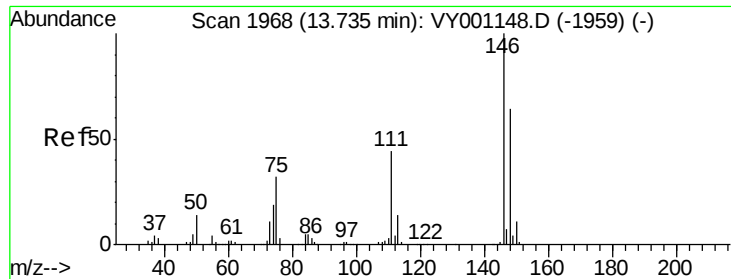
MMDadoda
1/16/2020 9:36:45 AM



#90
Hexachloroethane
Concen: 21.527 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.0	35.4	106.2





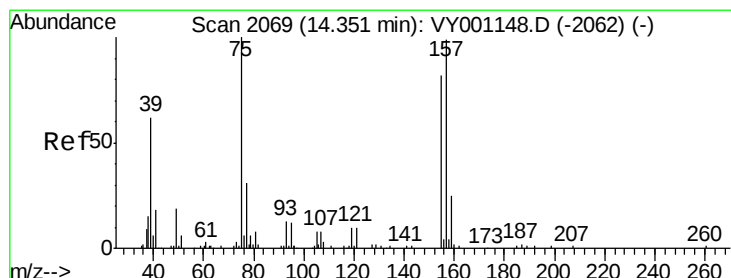
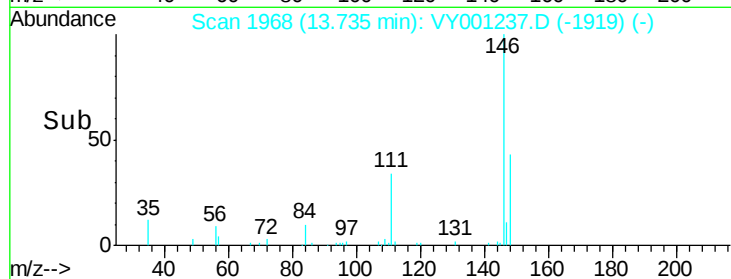
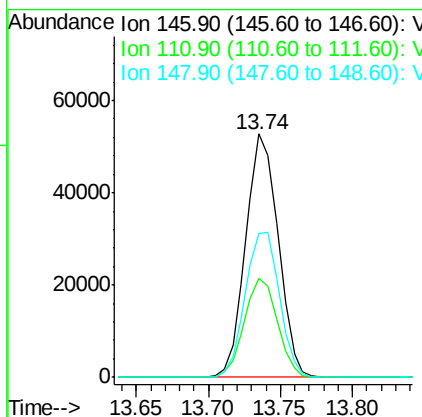
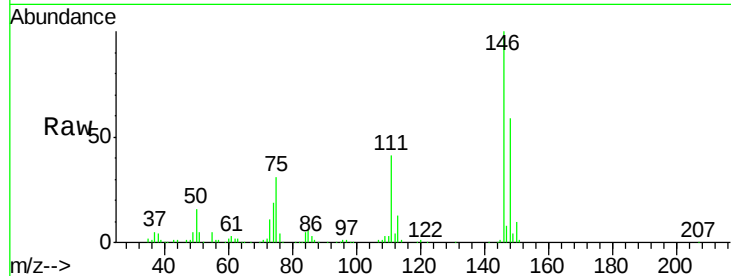
#91
 1,2-Dichlorobenzene
 Concen: 22.576 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	22.0	66.0
148	62.4	32.1	96.3

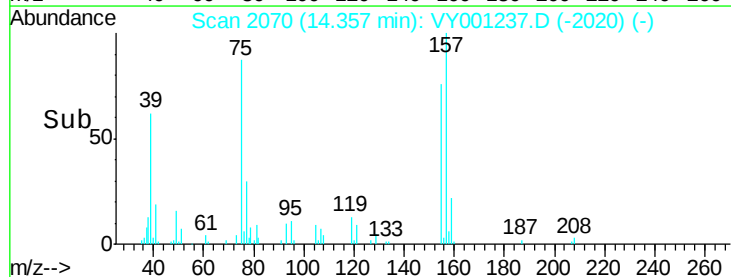
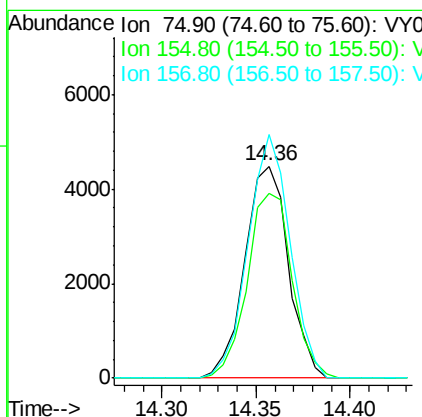
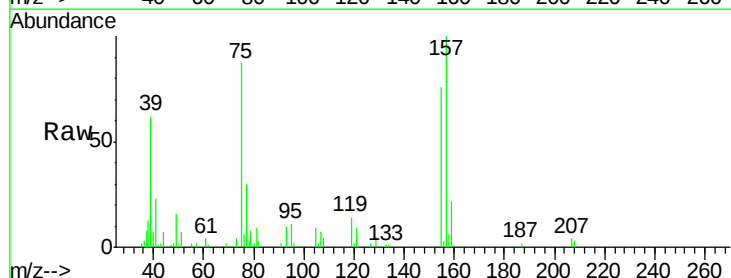
Manual Integrations
 APPROVED

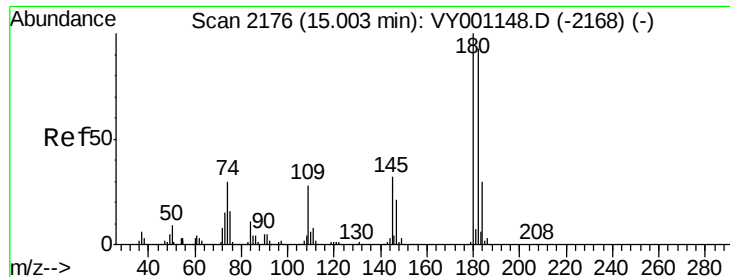
MMDadoda
 1/16/2020 9:36:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.191 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	41.2	123.6
157	110.5	52.8	158.4





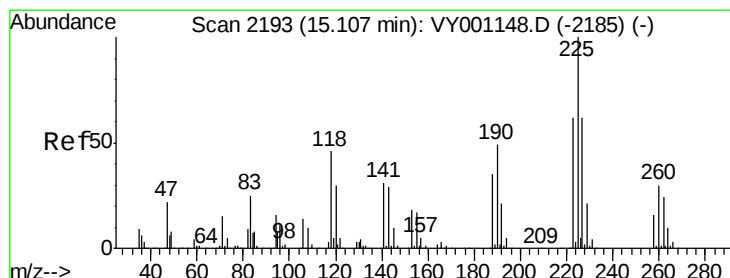
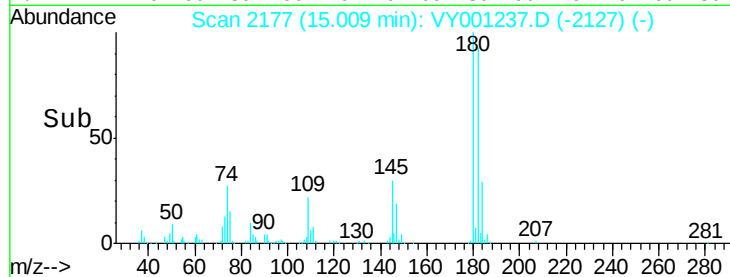
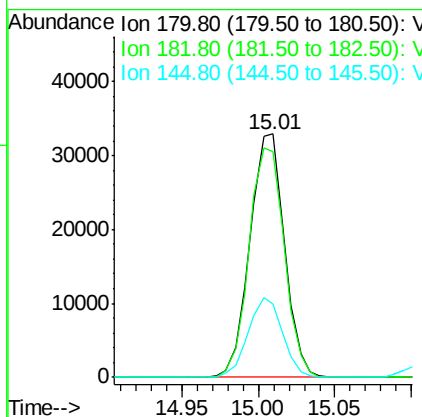
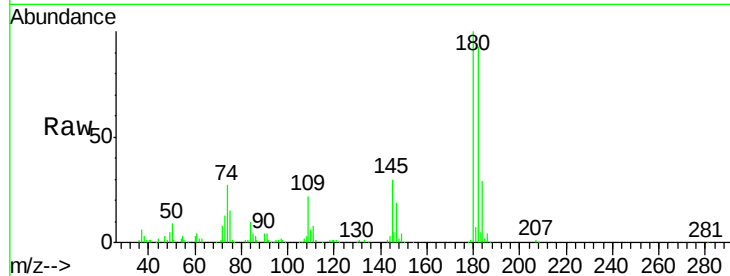
#93
 1,2,4-Trichlorobenzene
 Concen: 21.593 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51910		
182	96.1	46.9	140.8	
145	32.5	16.0	48.0	

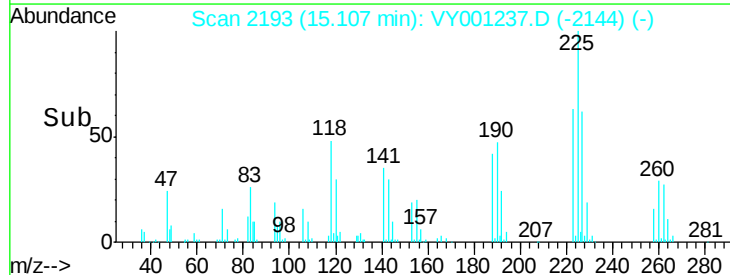
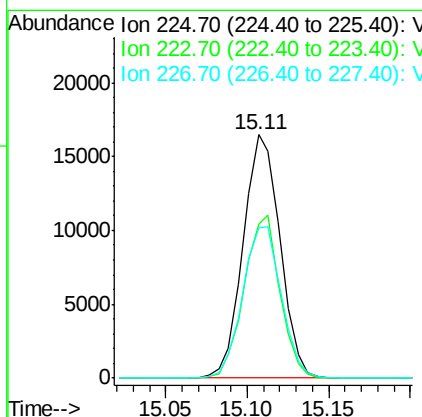
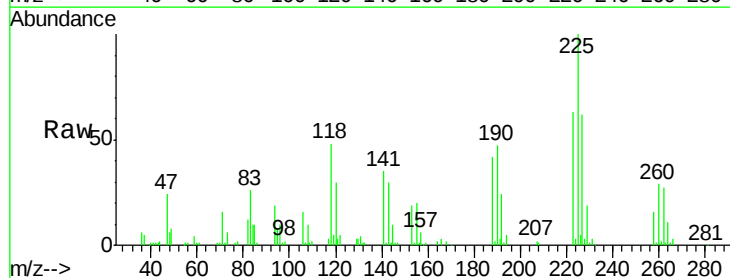
Manual Integrations
 APPROVED

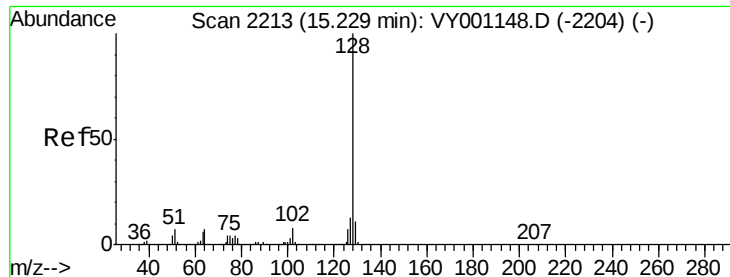
MMDadoda
 1/16/2020 9:36:45 AM



#94
 Hexachlorobutadiene
 Concen: 21.477 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001237.D
 Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26010		
223	64.8	31.1	93.3	
227	64.9	31.3	93.9	





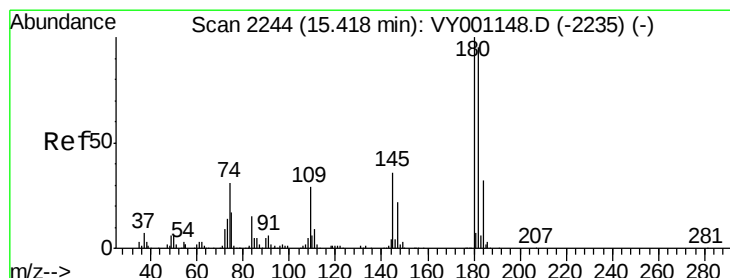
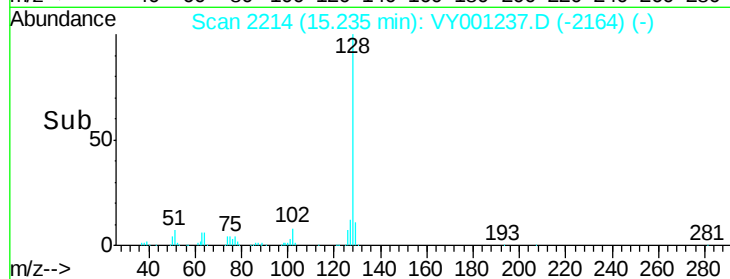
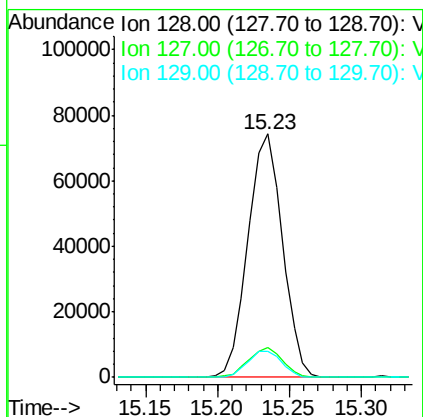
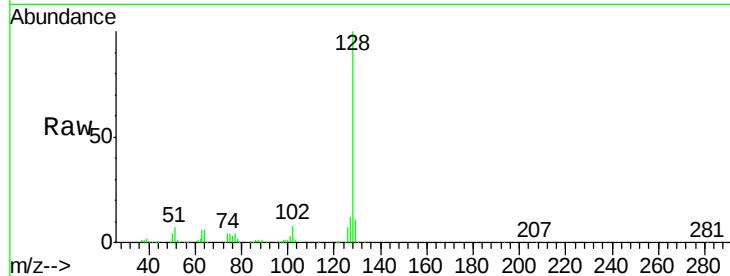
#95
Naphthalene
Concen: 22.046 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.980 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY001237.D
Acq: 15 Jan 2020 23:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.5
145	33.6	17.1	51.3

