

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002154.D
 Acq On : 01 Apr 2020 11:59
 Operator : SY/MD
 Sample : VY0401SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:12:58 AM

Quant Time: Apr 02 06:40:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	160478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	291120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	260056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	120135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	83390	47.01	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.02%	
35) Dibromofluoromethane	7.74	113	76848	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
50) Toluene-d8	10.19	98	318767	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
62) 4-Bromofluorobenzene	12.49	95	111606	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	32320	27.959	ug/l	99
3) Chloromethane	2.12	50	40767	21.738	ug/l	97
4) Vinyl Chloride	2.26	62	42137	22.092	ug/l	95
5) Bromomethane	2.65	94	28539	22.928	ug/l	98
6) Chloroethane	2.80	64	27037	22.076	ug/l	94
7) Trichlorofluoromethane	3.14	101	57733	22.088	ug/l	98
8) Diethyl Ether	3.54	74	22470	20.297	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36894	21.514	ug/l	100
10) Methyl Iodide	4.10	142	39027	19.139	ug/l	100
11) Tert butyl alcohol	4.97	59	32992	157.811	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	36958	21.224	ug/l	94
13) Acrolein	3.74	56	22432	85.850	ug/l	97
14) Allyl chloride	4.49	41	64872	20.350	ug/l	99
15) Acrylonitrile	5.18	53	60219	103.781	ug/l	99
16) Acetone	3.96	43	50985	102.294	ug/l	96
17) Carbon Disulfide	4.21	76	121276	20.986	ug/l	99
18) Methyl Acetate	4.49	43	27592	21.319	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	100072	20.601	ug/l	96
20) Methylene Chloride	4.73	84	43983	18.040	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	40452	20.403	ug/l	95
22) Diisopropyl ether	6.14	45	132600	20.326	ug/l	95
23) Vinyl Acetate	6.08	43	437091	102.176	ug/l	99
24) 1,1-Dichloroethane	6.04	63	71945	20.742	ug/l	99
25) 2-Butanone	7.00	43	77476	101.234	ug/l	100
26) 2,2-Dichloropropane	6.99	77	60535	21.190	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	44790	20.535	ug/l	97
28) Bromochloromethane	7.35	49	30222	19.085	ug/l	97
29) Tetrahydrofuran	7.36	42	51315	102.268	ug/l	99
30) Chloroform	7.52	83	66993	20.376	ug/l	100
31) Cyclohexane	7.80	56	77636	21.005	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	57036	20.778	ug/l	99
36) 1,1-Dichloropropene	7.93	75	57685	20.949	ug/l	99
37) Ethyl Acetate	7.09	43	34372	20.656	ug/l	99
38) Carbon Tetrachloride	7.91	117	48394	20.715	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	75395	20.874	ug/l	98
40) Benzene	8.18	78	169341	20.762	ug/l	99
41) Methacrylonitrile	7.32	41	16666m	19.800	ug/l	
42) 1,2-Dichloroethane	8.25	62	44468	20.535	ug/l	99
43) Isopropyl Acetate	8.28	43	62272	20.163	ug/l	99
44) Trichloroethene	8.95	130	40509	20.603	ug/l	98
45) 1,2-Dichloropropane	9.23	63	42574	20.500	ug/l	97
46) Dibromomethane	9.32	93	21986	20.614	ug/l	98
47) Bromodichloromethane	9.50	83	51673	20.811	ug/l	97
48) Methyl methacrylate	9.30	41	27666	19.989	ug/l	100
49) 1,4-Dioxane	9.31	88	5930	405.168	ug/l #	93
51) 4-Methyl-2-Pentanone	10.08	43	171797	108.027	ug/l	99
52) Toluene	10.25	92	101745	20.624	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	56159	20.378	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	65784	20.275	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	32339	20.486	ug/l	99
56) Ethyl methacrylate	10.52	69	46477	20.158	ug/l	99
57) 1,3-Dichloropropane	10.80	76	56886	20.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	120996	102.131	ug/l	100
59) 2-Hexanone	10.84	43	115072	102.721	ug/l	99
60) Dibromochloromethane	10.99	129	33272	20.142	ug/l	95
61) 1,2-Dibromoethane	11.10	107	29938	20.262	ug/l	98
64) Tetrachloroethene	10.72	164	34340	21.583	ug/l	97
65) Chlorobenzene	11.52	112	103376	20.593	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	35440	21.102	ug/l	99
67) Ethyl Benzene	11.60	91	196323	21.057	ug/l	98
68) m/p-Xylenes	11.70	106	146988	42.640	ug/l	99
69) o-Xylene	12.03	106	69599	21.284	ug/l	96
70) Styrene	12.05	104	118577	20.927	ug/l	99
71) Bromoform	12.22	173	19509	21.209	ug/l #	99
73) Isopropylbenzene	12.33	105	184557	20.710	ug/l	100
74) N-amyl acetate	12.15	43	55602	19.782	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	40079	20.900	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28753m	21.396	ug/l	
77) Bromobenzene	12.61	156	39039	20.521	ug/l	98
78) n-propylbenzene	12.68	91	231072	20.894	ug/l	100
79) 2-Chlorotoluene	12.77	91	124282	20.468	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	152900	20.796	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	14339	20.672	ug/l	95
82) 4-Chlorotoluene	12.86	91	133338	20.839	ug/l	99
83) tert-Butylbenzene	13.08	119	129628	21.122	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	155374	21.180	ug/l	99
85) sec-Butylbenzene	13.26	105	192491	21.176	ug/l	100
86) p-Isopropyltoluene	13.38	119	167121	21.409	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	77252	20.758	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	79324	21.181	ug/l	100
89) n-Butylbenzene	13.70	91	170967	21.020	ug/l	100
90) Hexachloroethane	13.97	117	30027	20.414	ug/l	95
91) 1,2-Dichlorobenzene	13.75	146	72363	21.055	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6241	20.317	ug/l	95

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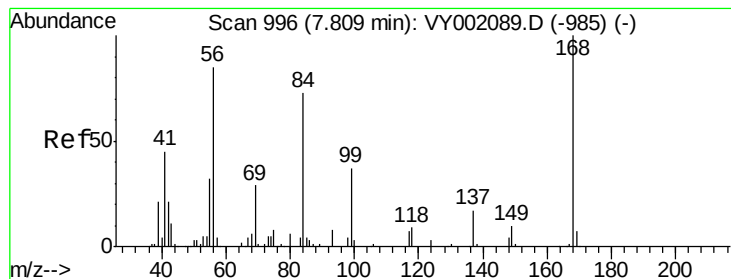
Manual Integrations
APPROVED

MMDadoda
4/2/2020 10:12:58 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	45832	20.690	ug/l	99
94) Hexachlorobutadiene	15.12	225	22340	20.430	ug/l	98
95) Naphthalene	15.25	128	104791	19.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	40029	19.927	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tot Ion:168 Resp: 160478

Ion Ratio Lower Upper

168 100

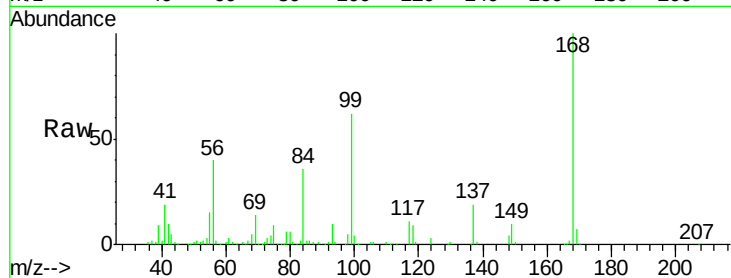
99 61.6 47.6 71.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002154.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002154.D (-947) (-)

7.80

60000

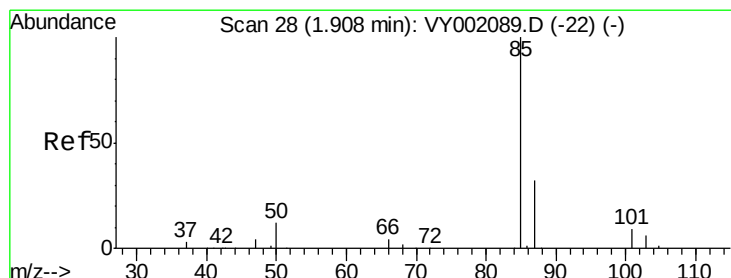
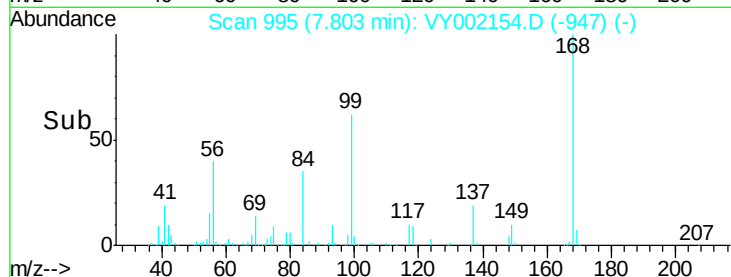
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 27.959 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002154.D

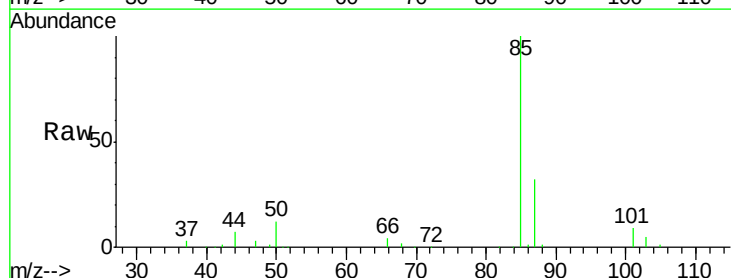
Acq: 01 Apr 2020 11:59

Tgt Ion: 85 Resp: 32320

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002154.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002154.D (-1) (-)

1.91

25000

20000

15000

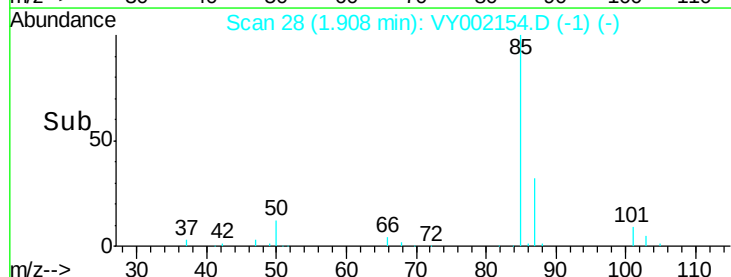
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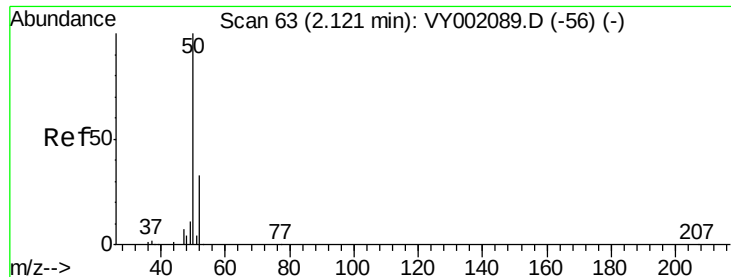
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 21.738 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tot Ion: 50 Resp: 40767

Ion Ratio Lower Upper

50 100

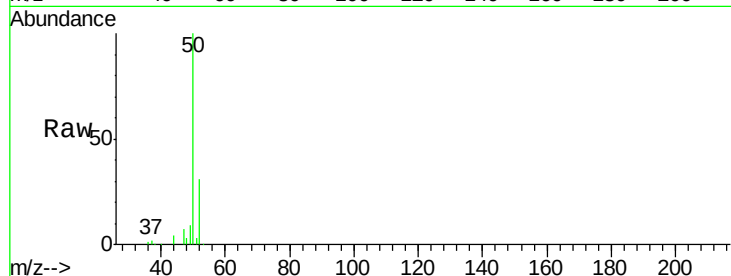
52 30.9 26.1 39.1

Manual Integrations

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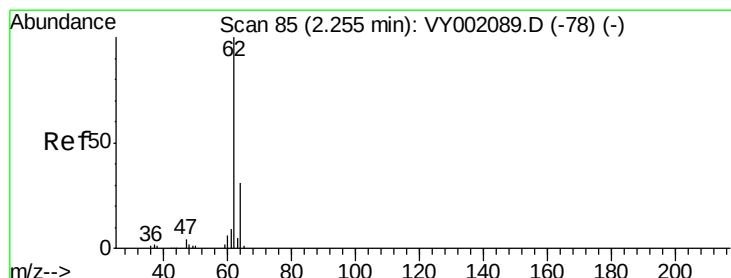
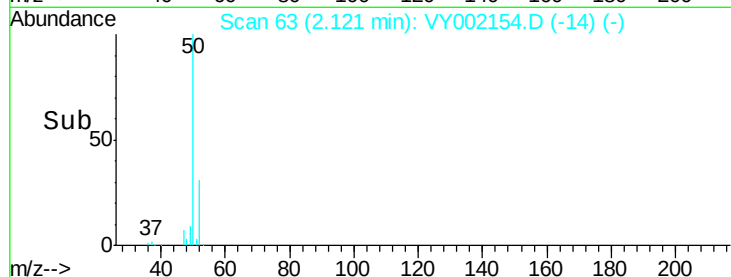
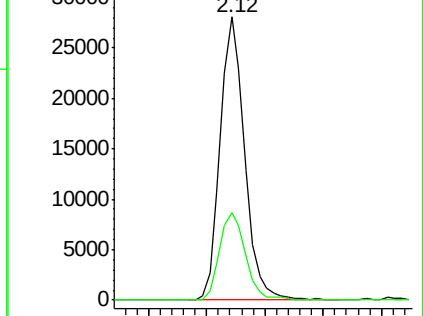
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 22.092 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.01 min

Lab File: VY002154.D

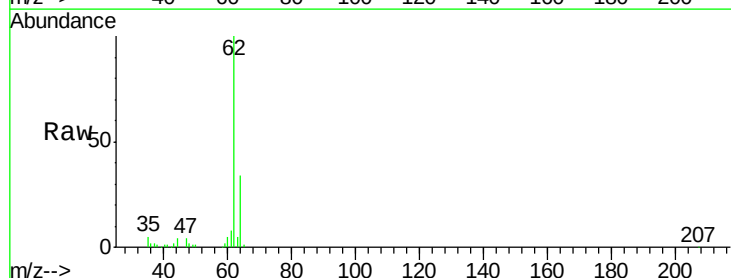
Acq: 01 Apr 2020 11:59

Tgt Ion: 62 Resp: 42137

Ion Ratio Lower Upper

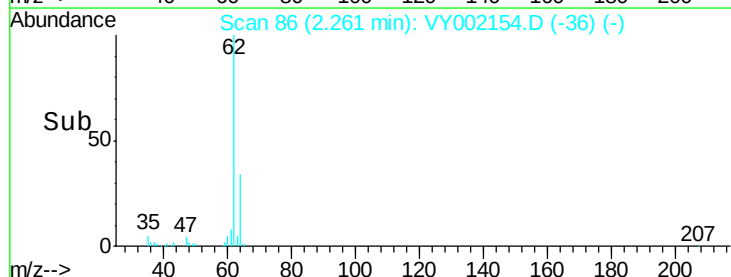
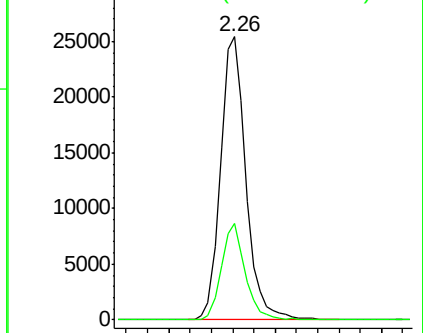
62 100

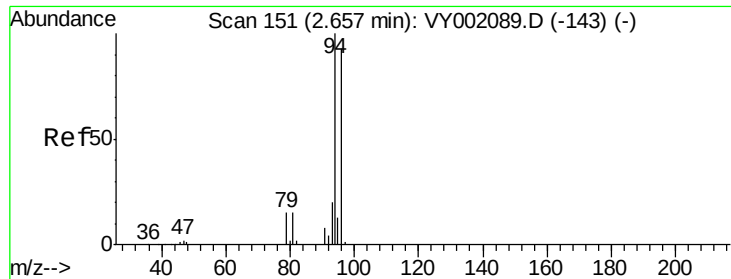
64 34.2 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 22.928 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tot Ion: 94 Resp: 28539

Ion Ratio Lower Upper

94 100

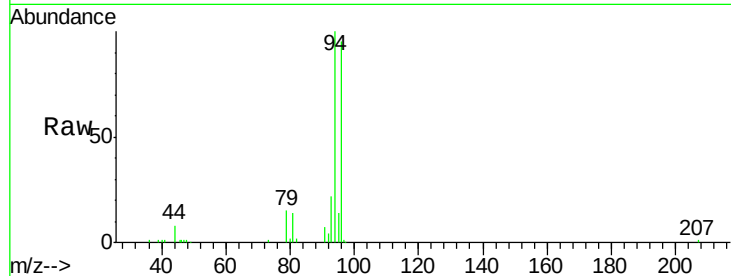
96 94.9 74.1 111.1

Manual Integrations

APPROVED

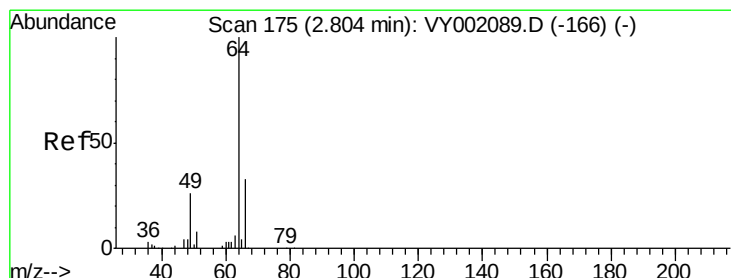
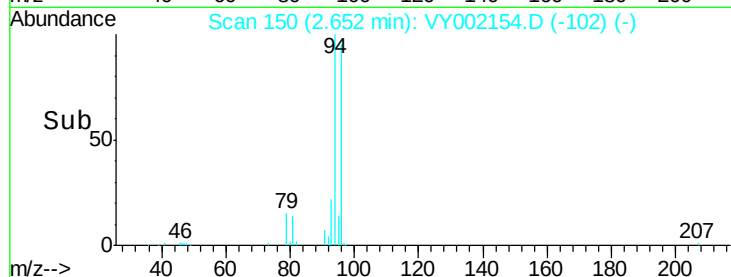
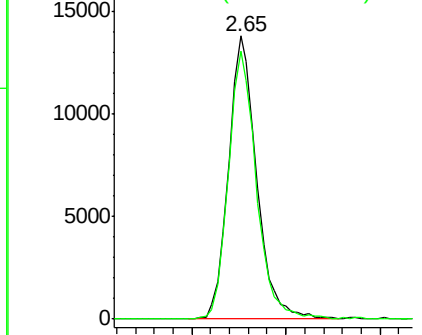
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 22.076 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY002154.D

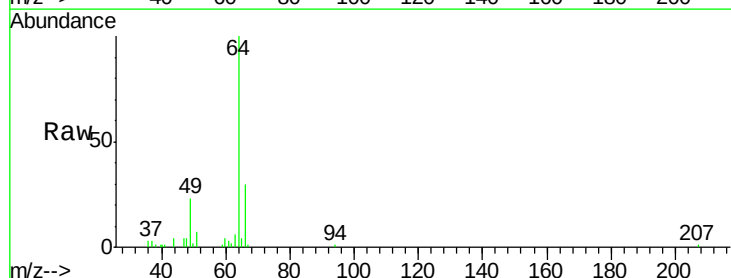
Acq: 01 Apr 2020 11:59

Tgt Ion: 64 Resp: 27037

Ion Ratio Lower Upper

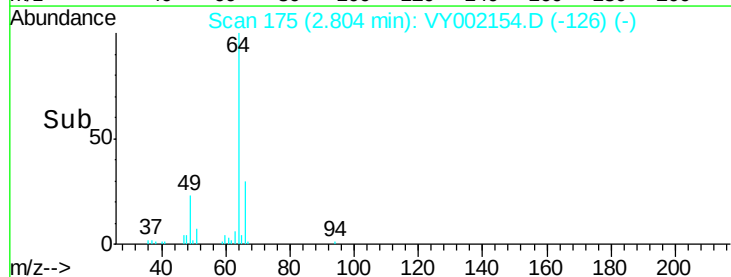
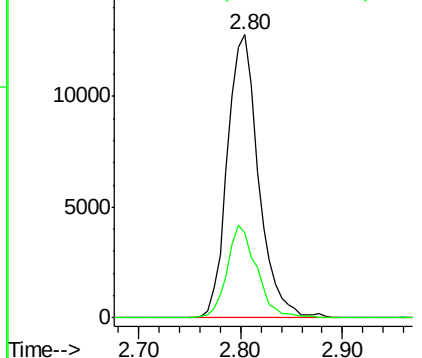
64 100

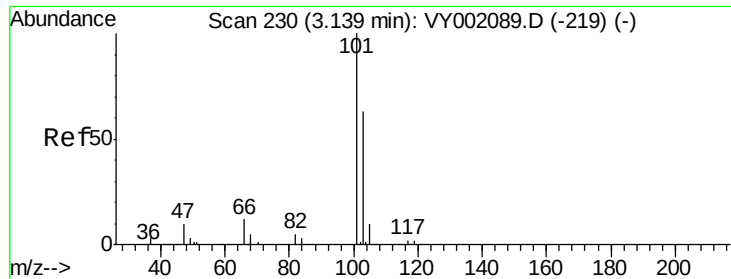
66 30.0 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

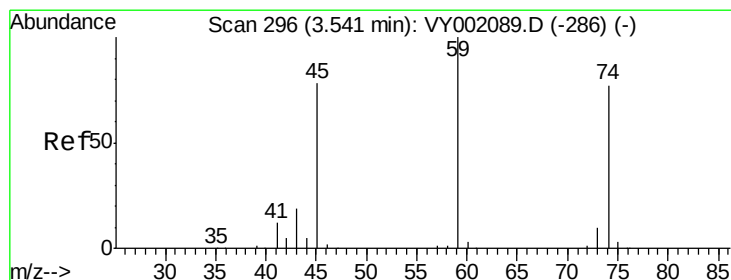
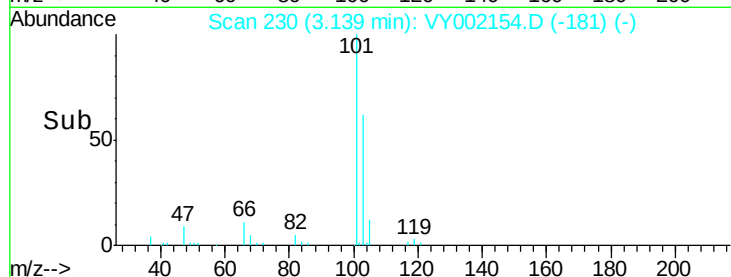
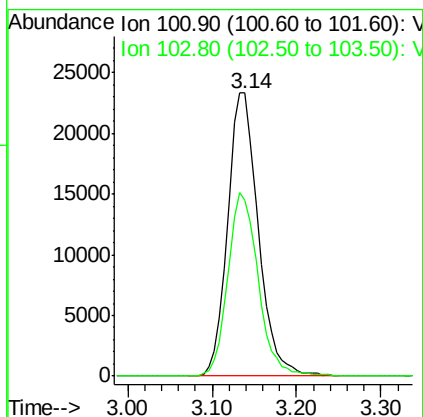
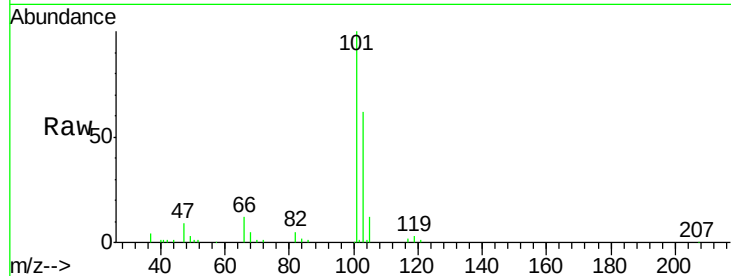
Trichlorofluoromethane
Concen: 22.088 ug/l
RT: 3.14 min Scan# 230
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
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ClientSampleId :
VY0401SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	50.6	76.0

Manual Integrations
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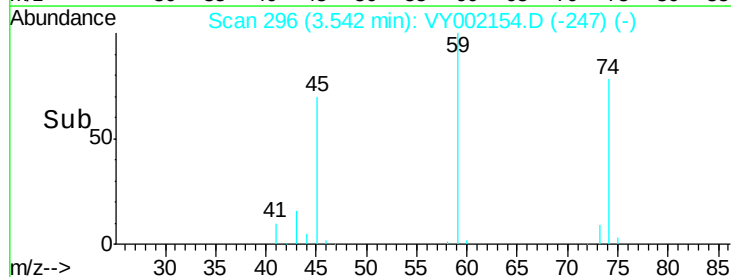
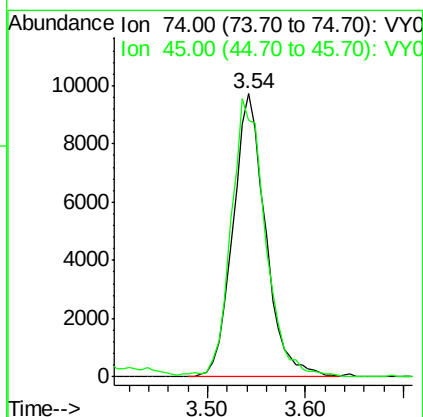
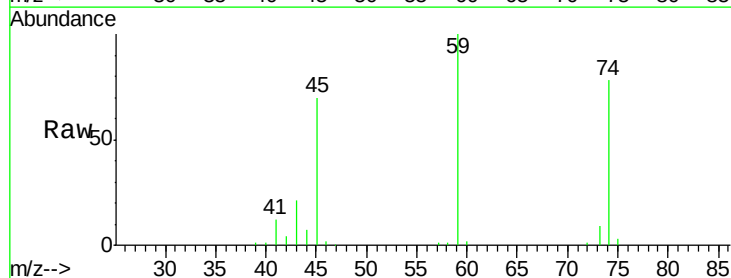
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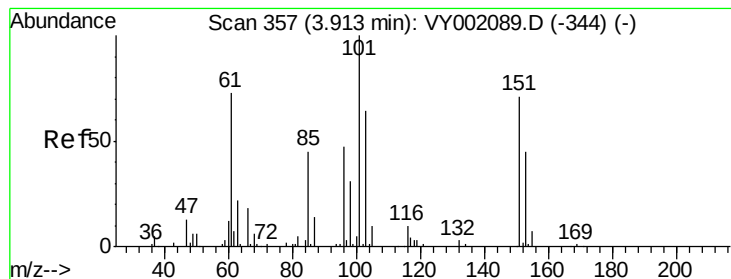


#8

Diethyl Ether
Concen: 20.297 ug/l
RT: 3.54 min Scan# 296
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.9	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.514 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

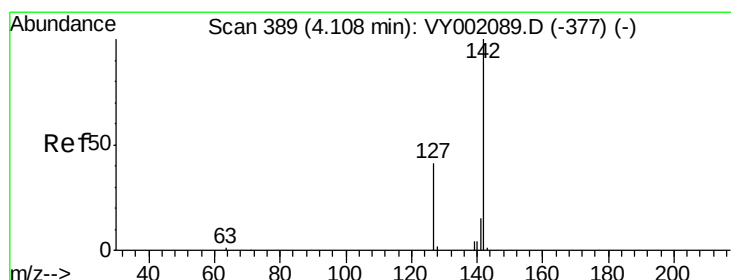
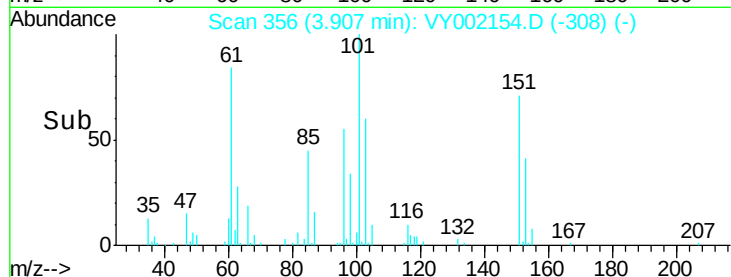
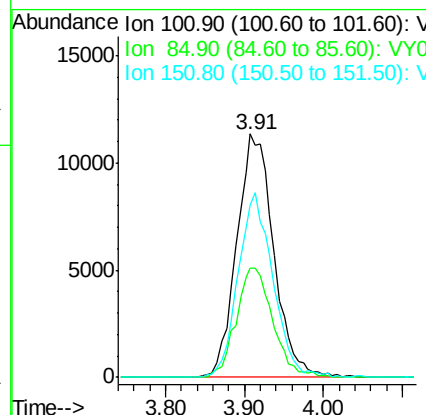
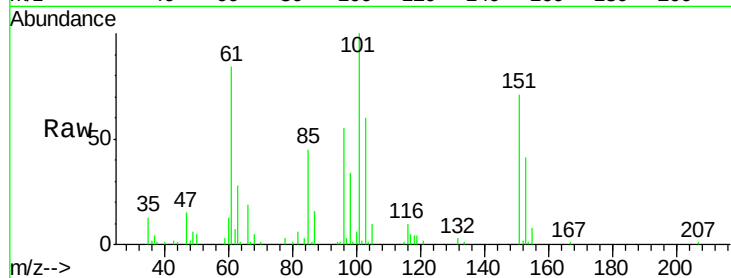
ClientSampleId :

VY0401SBS01

Tot Ion:	101	Resp:	36894
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.9	53.9
151	71.6	57.5	86.3

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#10

Methyl Iodide

Concen: 19.139 ug/l

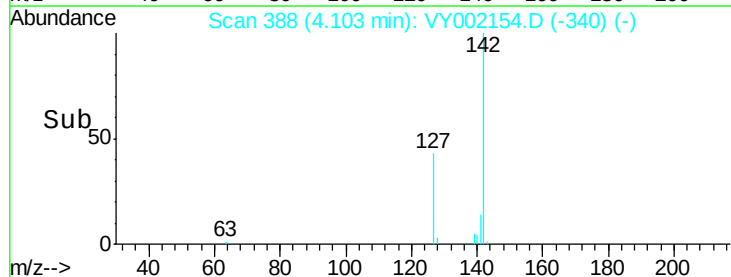
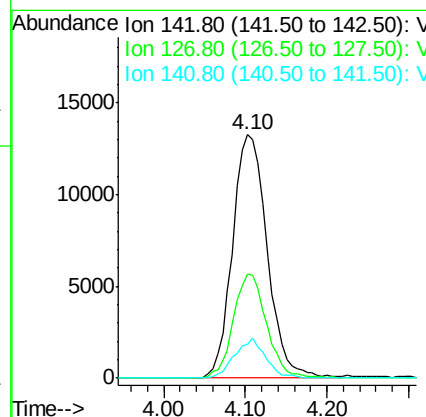
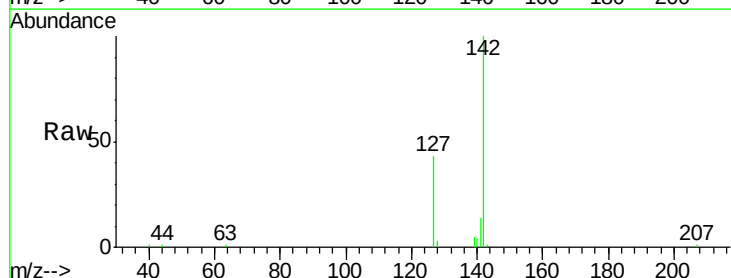
RT: 4.10 min Scan# 388

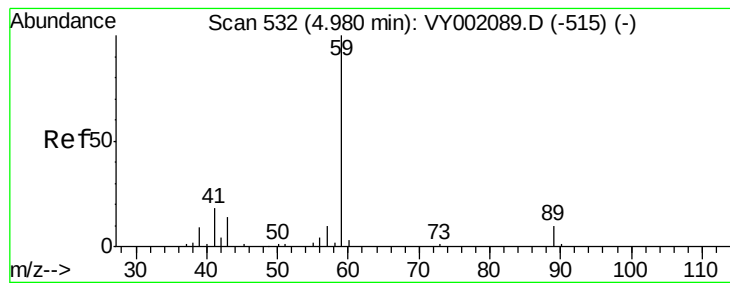
Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Tgt Ion:	142	Resp:	39027
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.6	49.0
141	14.4	11.4	17.0





#11

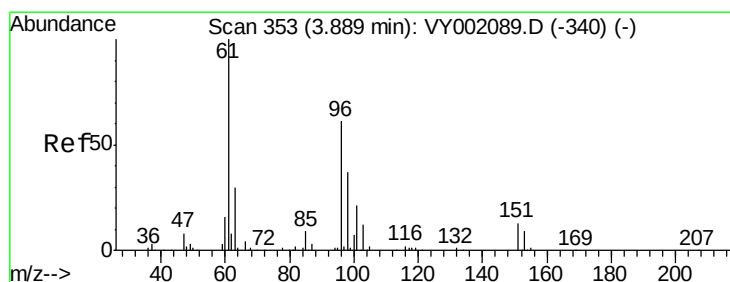
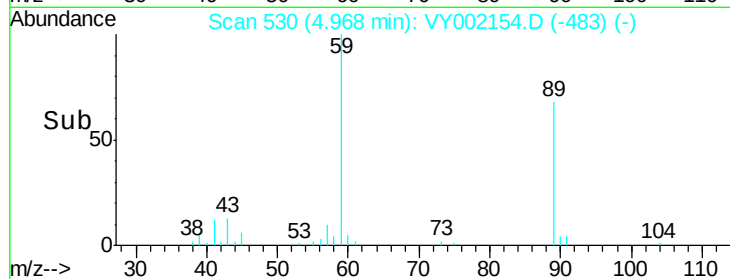
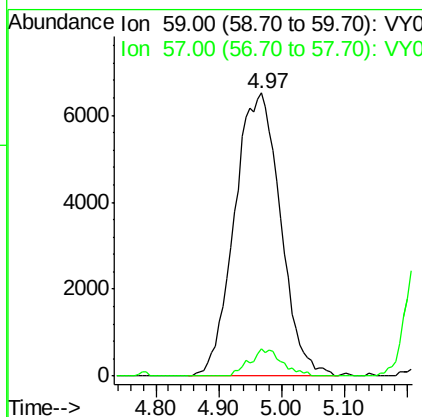
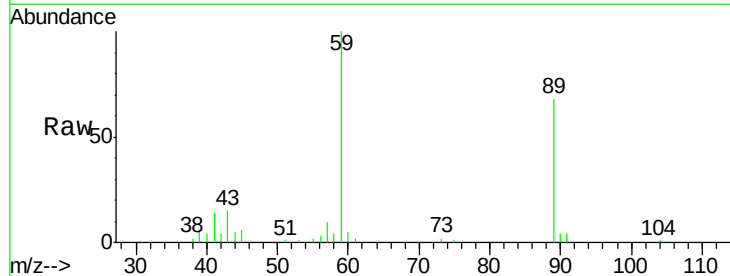
Tert butyl alcohol
 Concen: 157.811 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion: 59 Resp: 32992
 Ion Ratio Lower Upper
 59 100
 57 6.8 7.7 11.5#

Manual Integrations
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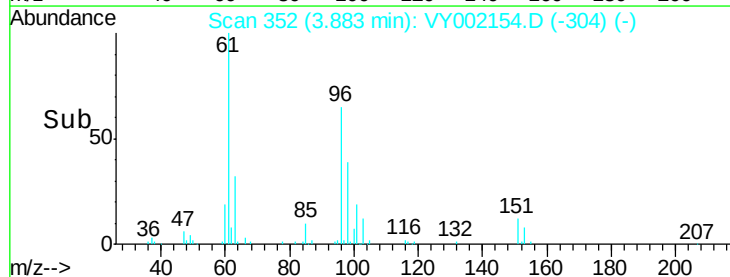
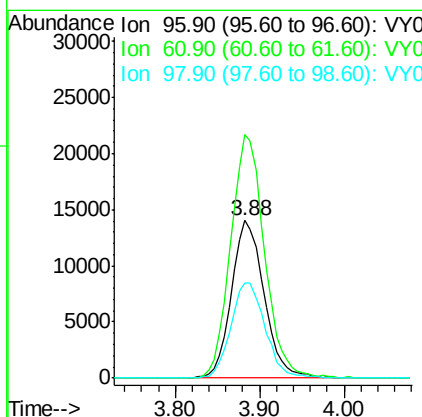
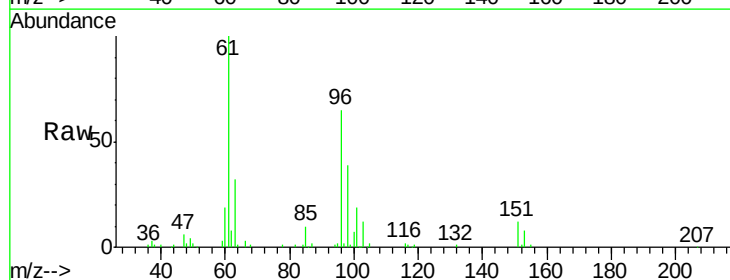
MMDadoda
 4/2/2020 10:12:58 AM

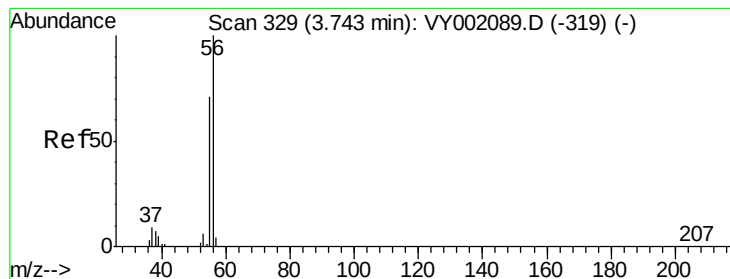


#12

1,1-Dichloroethene
 Concen: 21.224 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion: 96 Resp: 36958
 Ion Ratio Lower Upper
 96 100
 61 154.7 132.0 198.0
 98 60.8 49.4 74.0





#13

Acrolein

Concen: 85.850 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tot Ion: 56 Resp: 22432

Ion Ratio Lower Upper

56 100

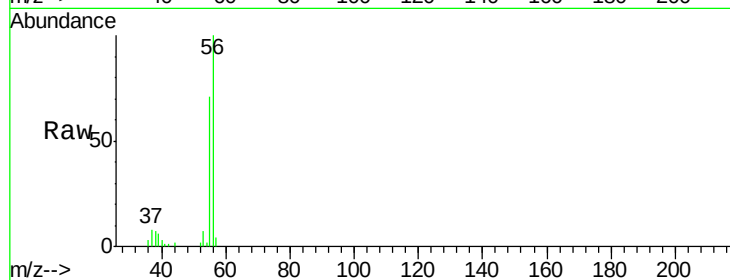
55 67.9 56.5 84.7

Manual Integrations

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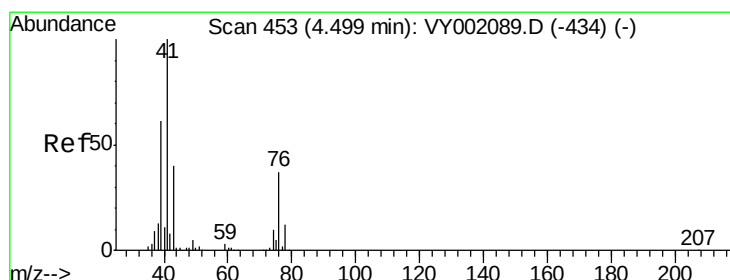
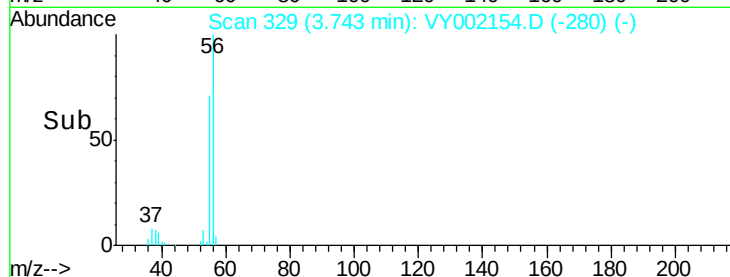
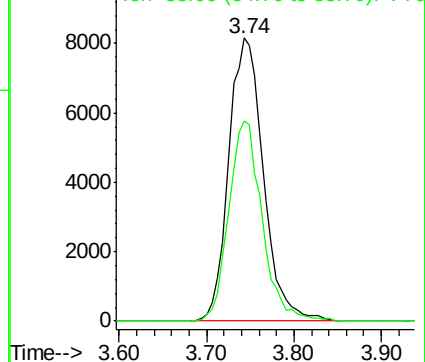
MMDadoda

4/2/2020 10:12:58 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.350 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

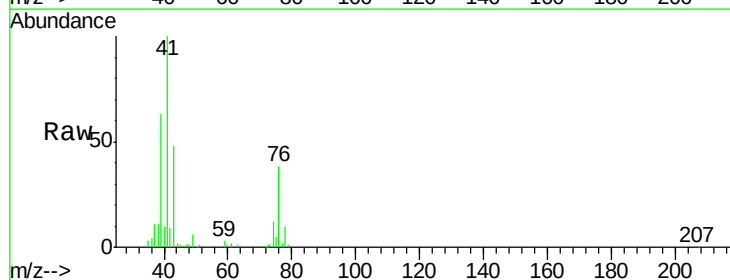
Tgt Ion: 41 Resp: 64872

Ion Ratio Lower Upper

41 100

39 62.4 49.0 73.4

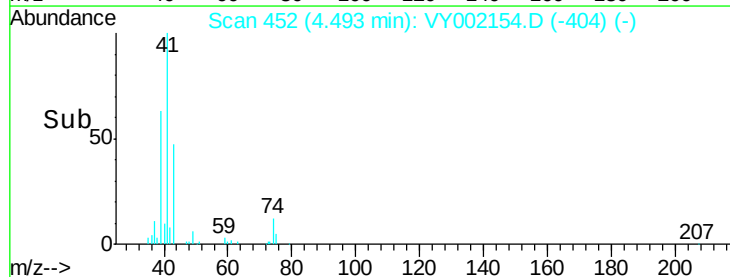
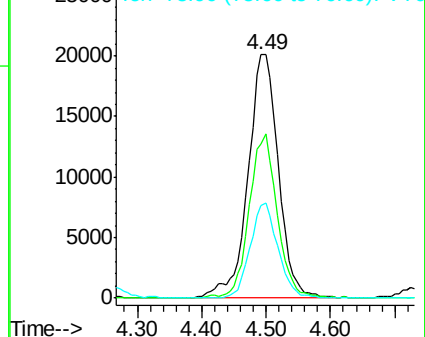
76 35.6 27.8 41.8

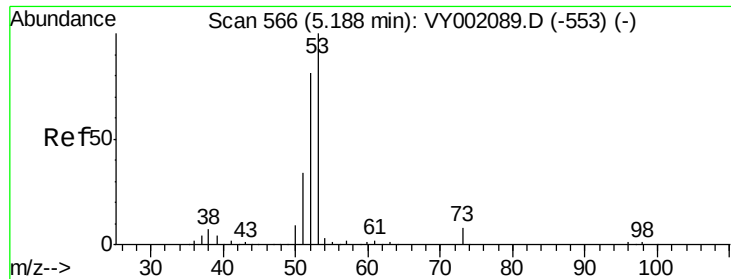


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





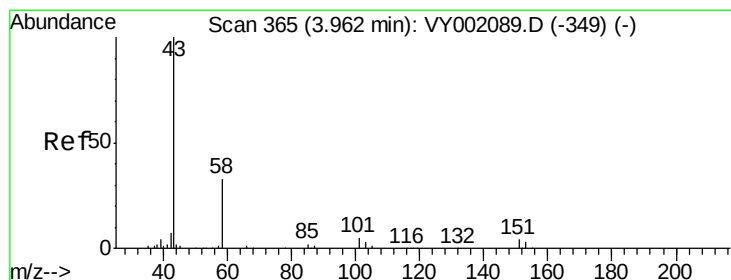
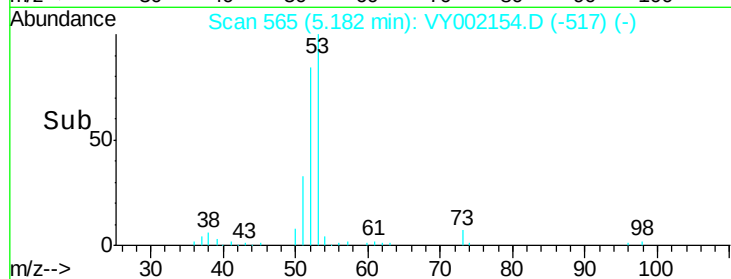
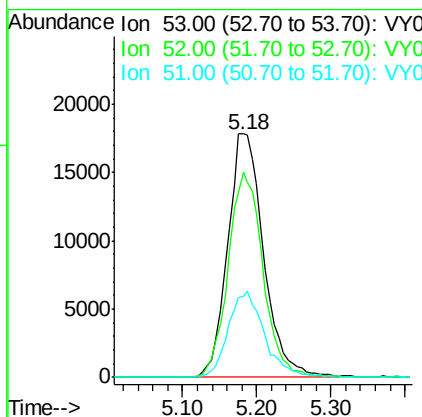
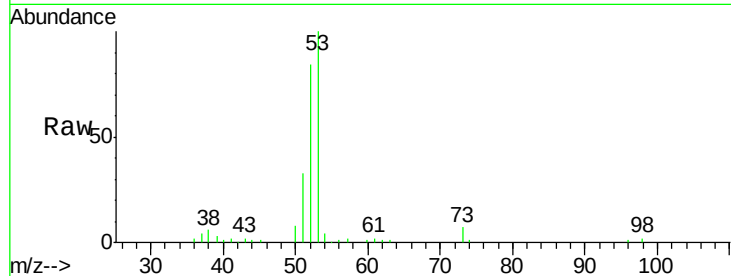
#15
 Acrylonitrile
 Concen: 103.781 ug/l
 RT: 5.18 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion:	53	Resp:	60219
Ion	Ratio	Lower	Upper
53	100		
52	81.7	64.6	97.0
51	35.4	27.9	41.9

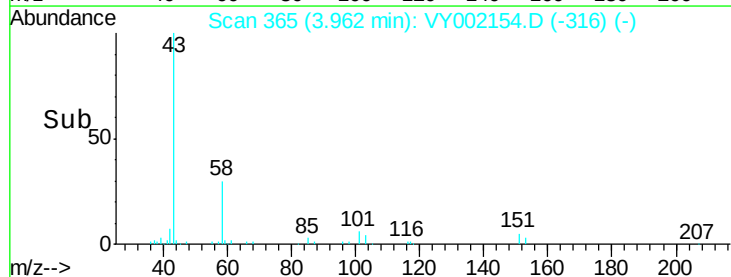
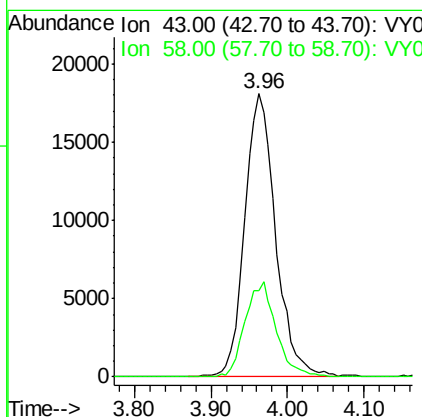
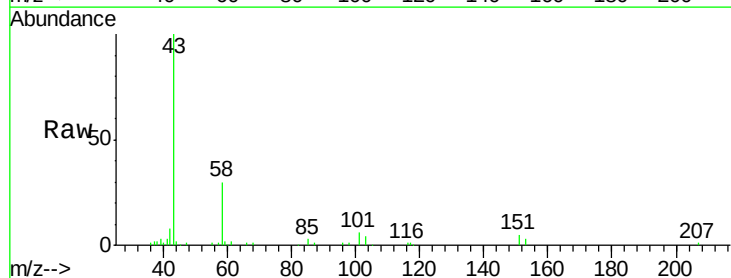
Manual Integrations
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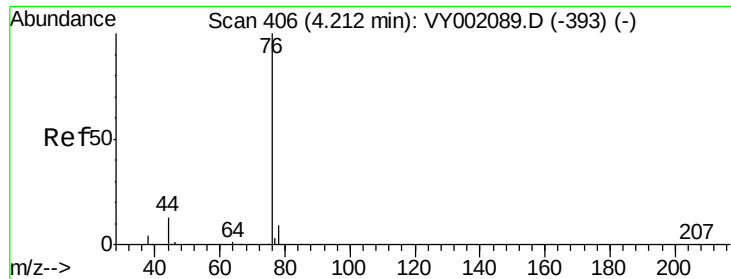
MMDadoda
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#16
 Acetone
 Concen: 102.294 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion:	43	Resp:	50985
Ion	Ratio	Lower	Upper
43	100		
58	30.5	26.3	39.5





#17

Carbon Disulfide

Concen: 20.986 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tot Ion: 76 Resp: 121276

Ion Ratio Lower Upper

76 100

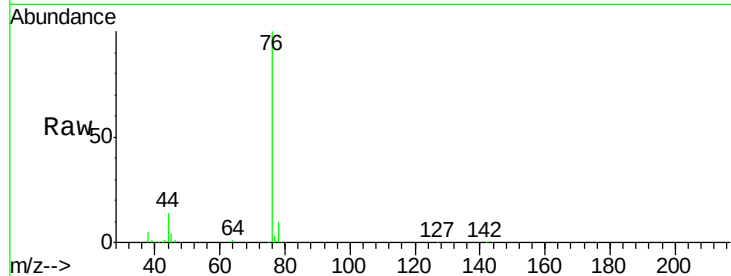
78 9.6 7.3 10.9

Manual Integrations

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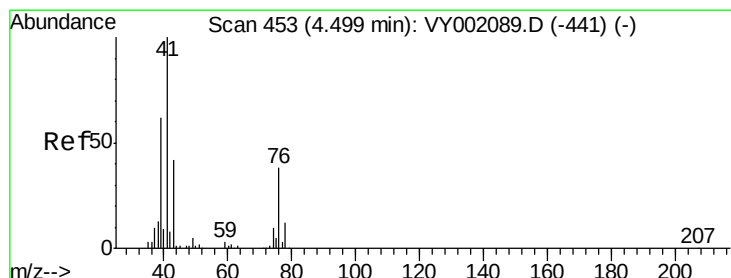
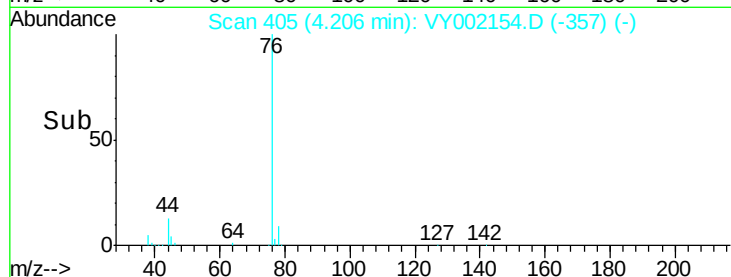
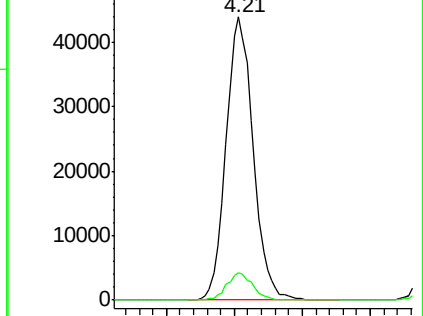
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 21.319 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002154.D

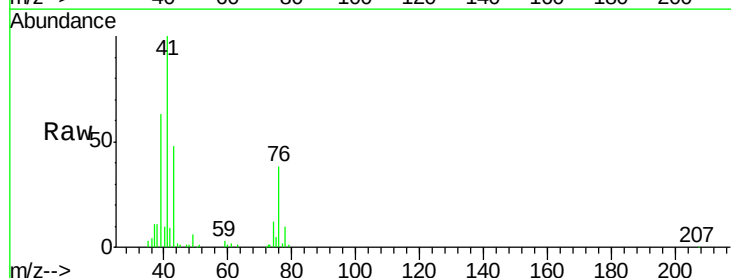
Acq: 01 Apr 2020 11:59

Tgt Ion: 43 Resp: 27592

Ion Ratio Lower Upper

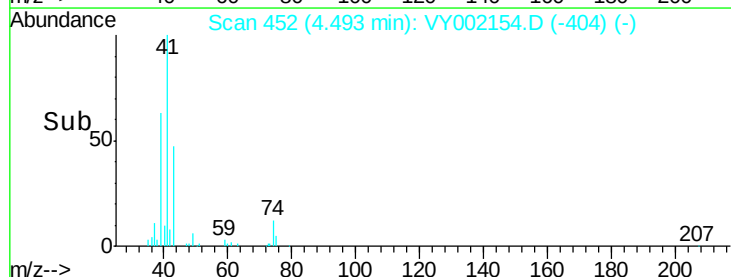
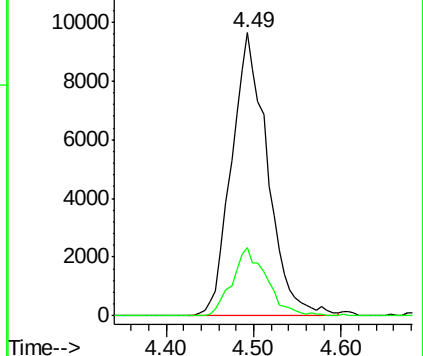
43 100

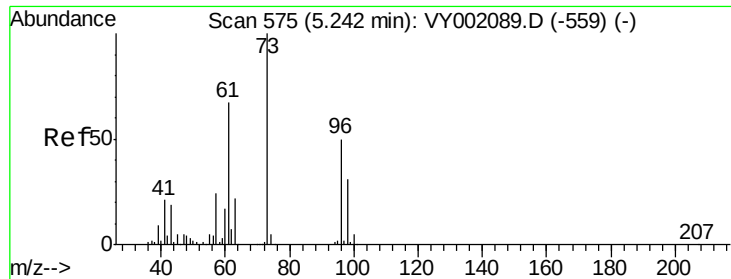
74 23.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





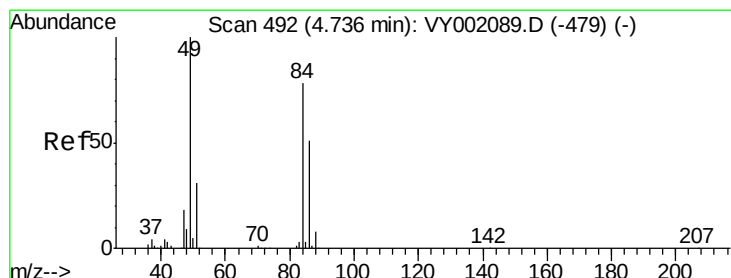
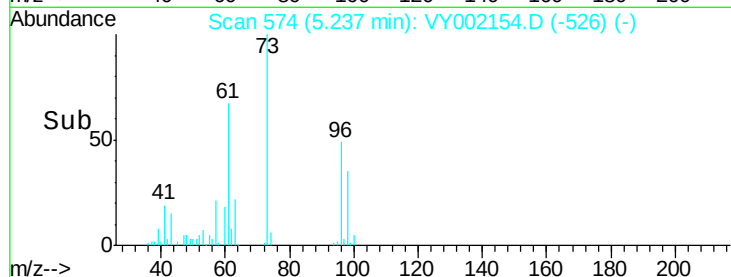
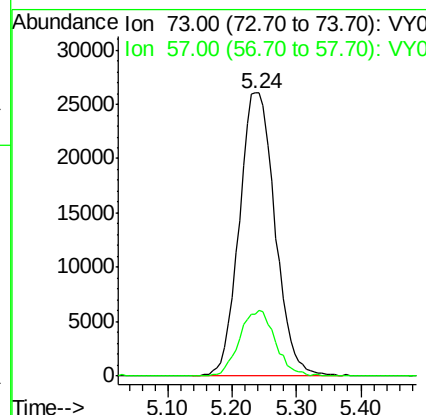
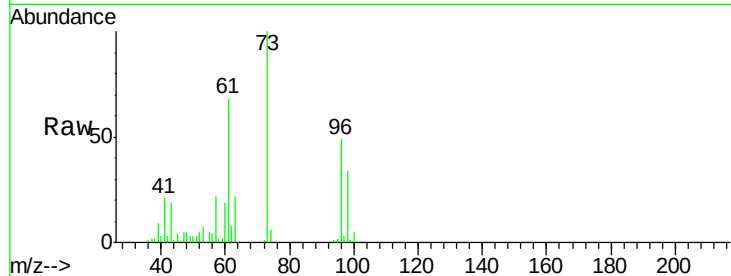
#19
Methyl tert-butyl Ether
Concen: 20.601 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion: 73 Resp: 100072
Ion Ratio Lower Upper
73 100
57 22.1 19.0 28.6

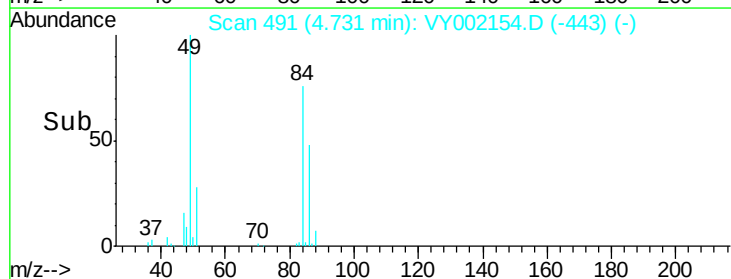
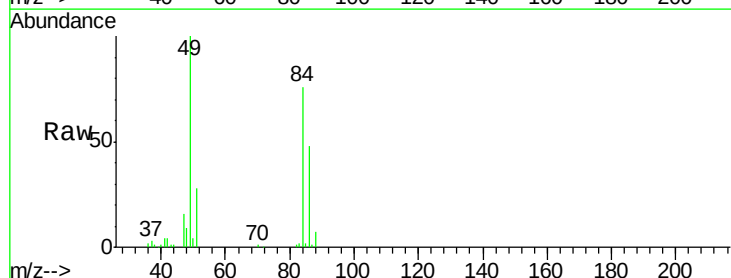
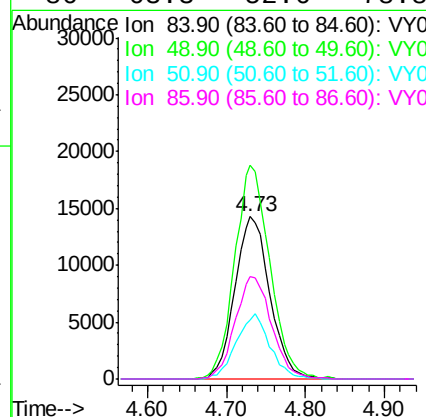
Manual Integrations
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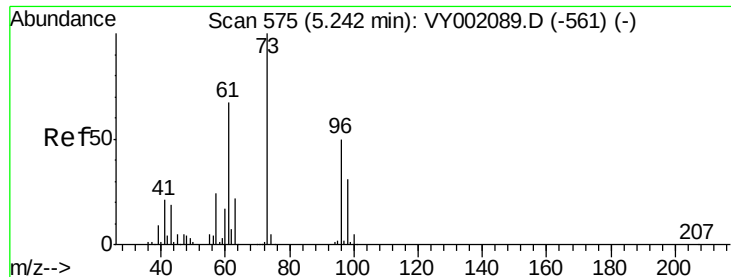
MMDadoda
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#20
Methylene Chloride
Concen: 18.040 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion: 84 Resp: 43983
Ion Ratio Lower Upper
84 100
49 131.4 102.2 153.4
51 36.6 31.2 46.8
86 63.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 20.403 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

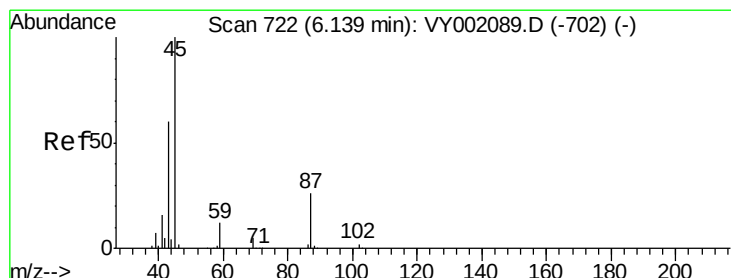
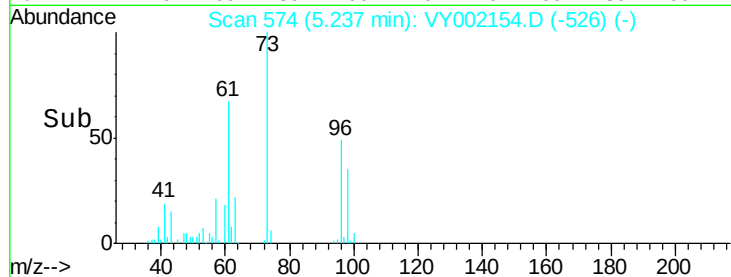
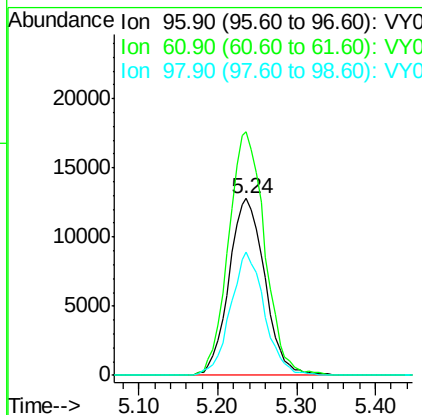
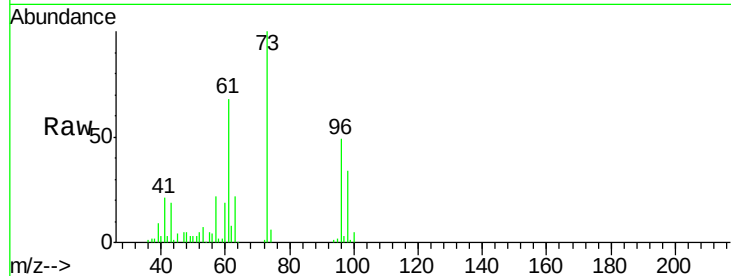
VY0401SBS01

Tot Ion:	96	Resp:	40452
Ion	Ratio	Lower	Upper
96	100		
61	138.0	107.7	161.5
98	70.2	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.326 ug/l

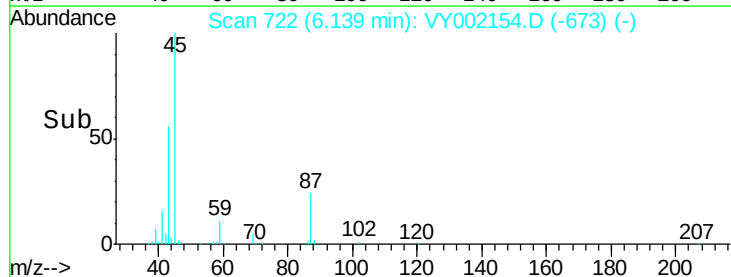
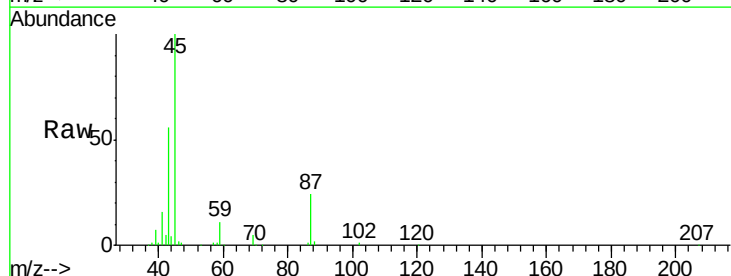
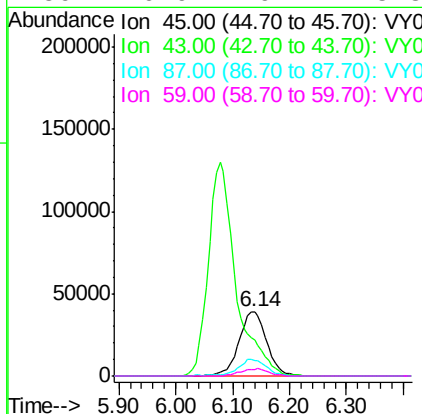
RT: 6.14 min Scan# 722

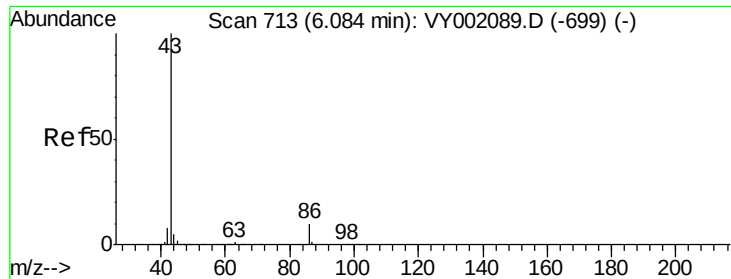
Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Tgt Ion:	45	Resp:	132600
Ion	Ratio	Lower	Upper
45	100		
43	55.5	48.1	72.1
87	24.2	21.1	31.7
59	10.9	9.2	13.8





#23

Vinyl Acetate

Concen: 102.176 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tot Ion: 43 Resp: 437091

Ion Ratio Lower Upper

43 100

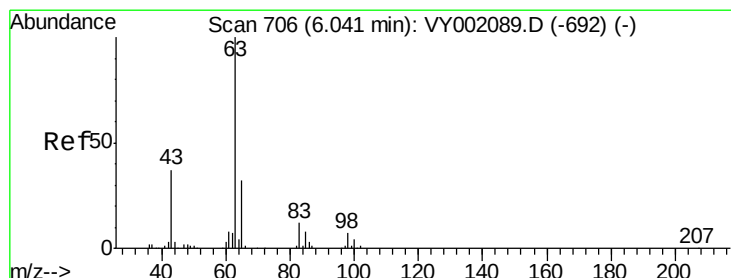
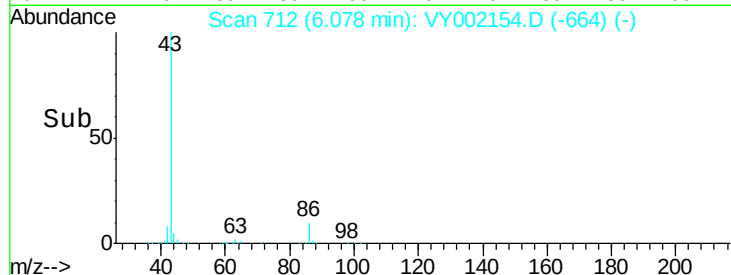
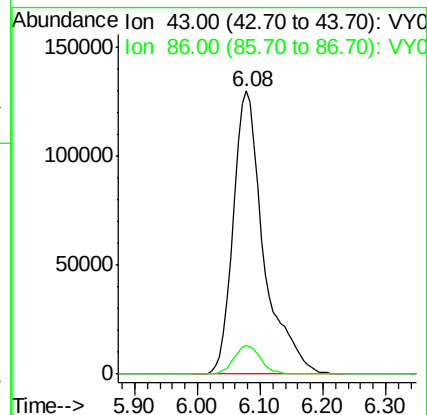
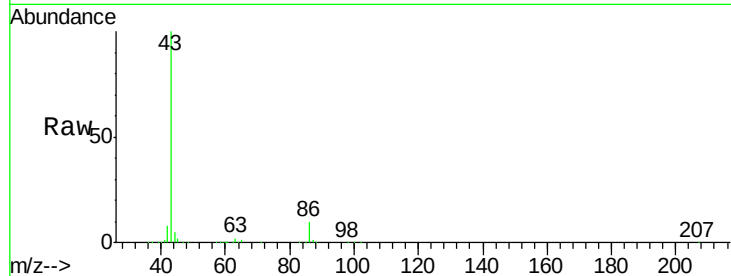
86 10.3 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.742 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

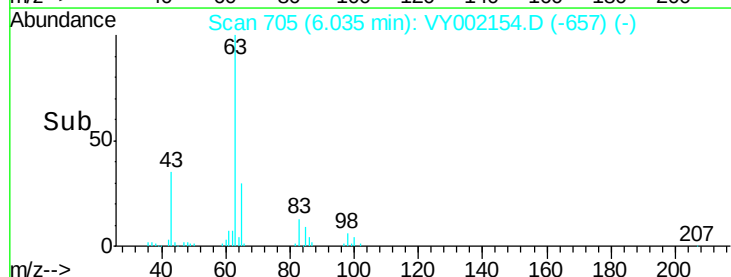
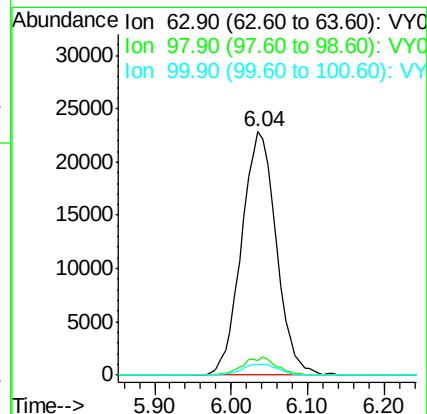
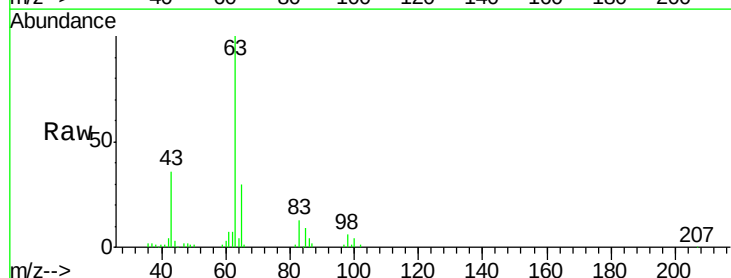
Tgt Ion: 63 Resp: 71945

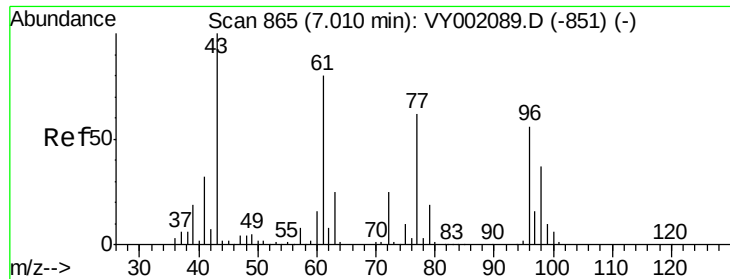
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.3 1.8 5.5





#25

2-Butanone

Concen: 101.234 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tot Ion: 43 Resp: 77476

Ion Ratio Lower Upper

43 100

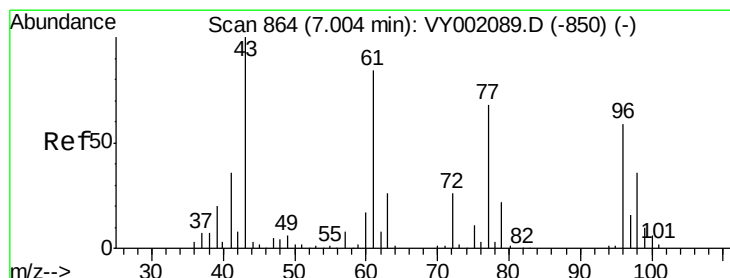
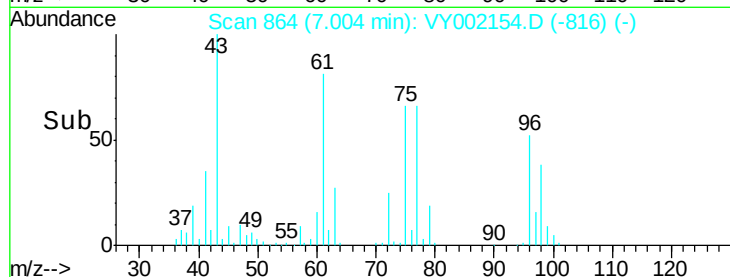
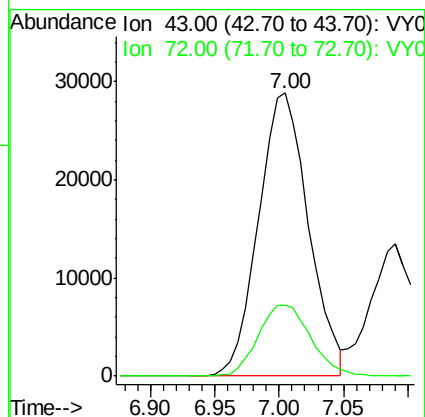
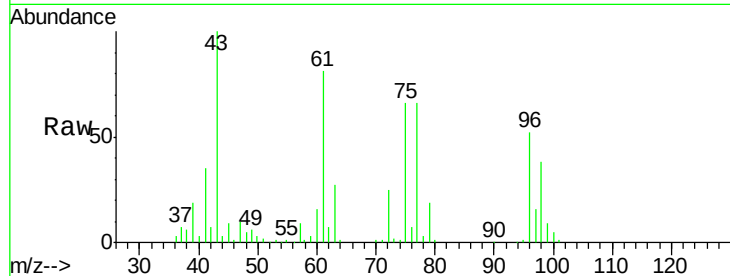
72 25.2 20.2 30.2

Manual Integrations

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MMDadoda

4/2/2020 10:12:58 AM



#26

2,2-Dichloropropane

Concen: 21.190 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002154.D

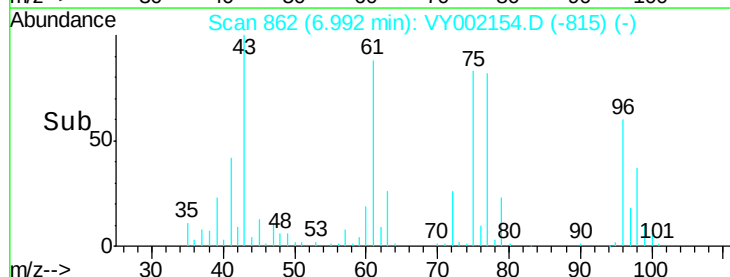
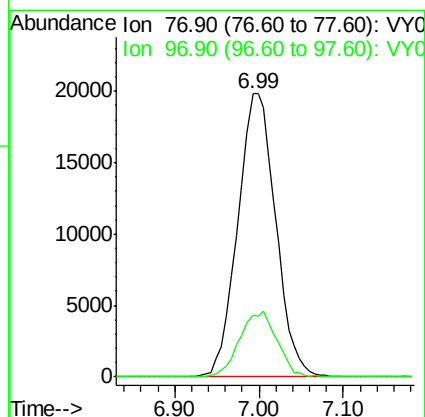
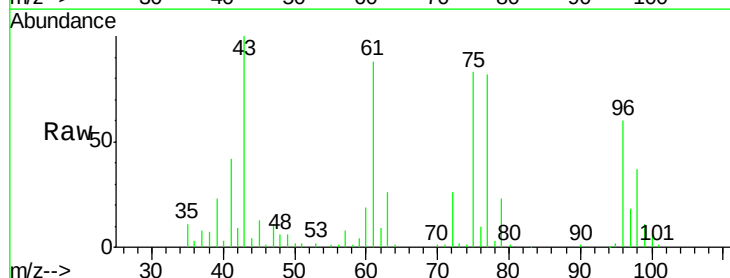
Acq: 01 Apr 2020 11:59

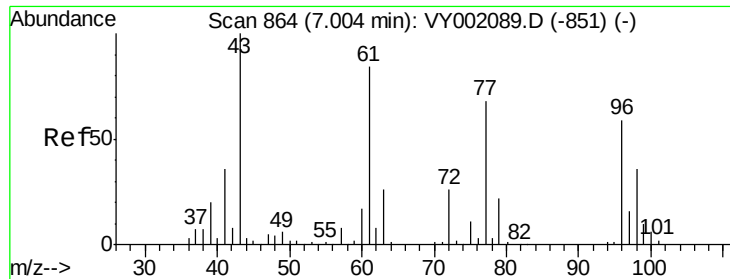
Tgt Ion: 77 Resp: 60535

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.1





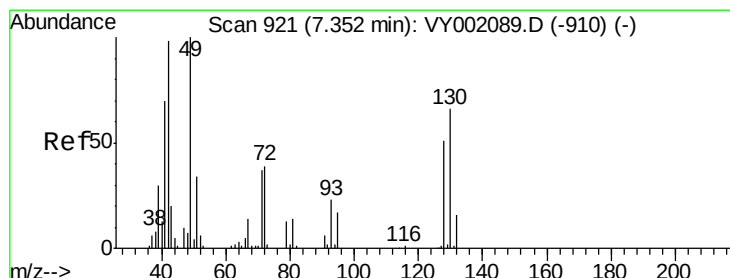
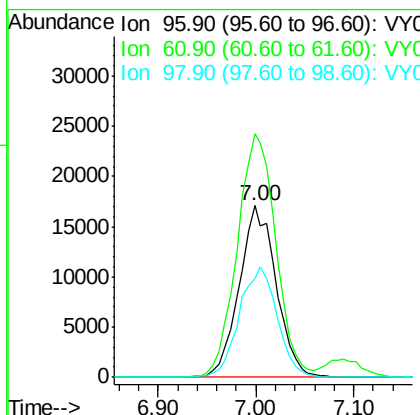
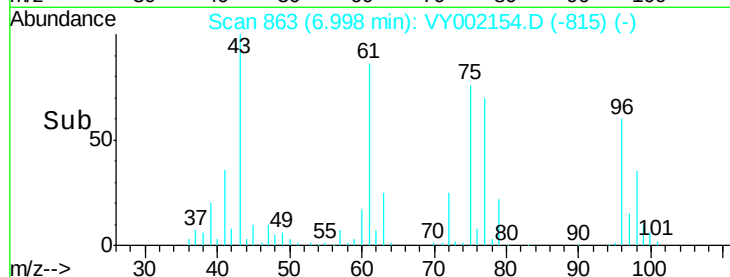
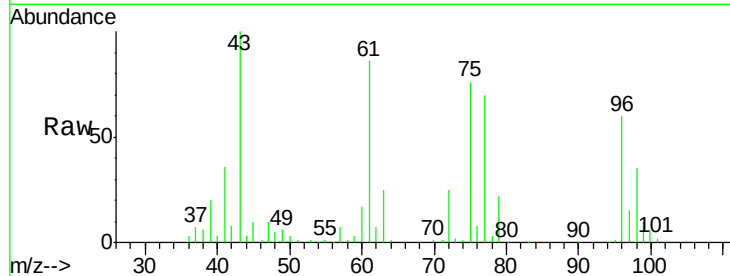
#27
 cis-1,2-Dichloroethene
 Concen: 20.535 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	290.6
98	65.8	0.0	128.0

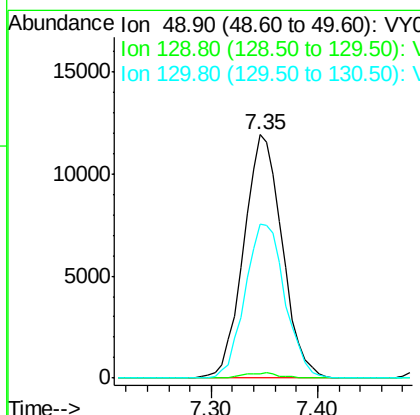
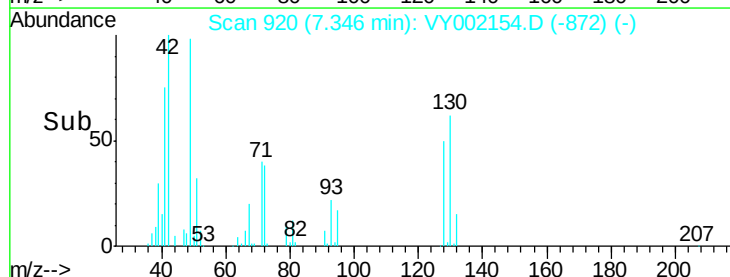
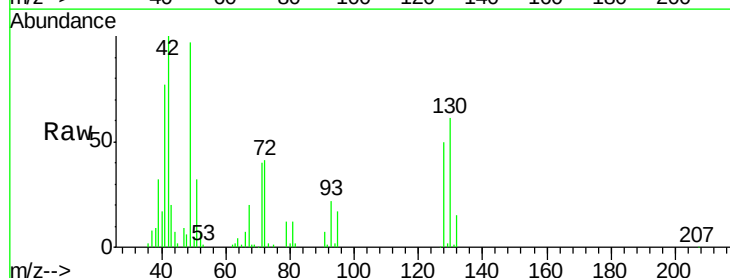
Manual Integrations
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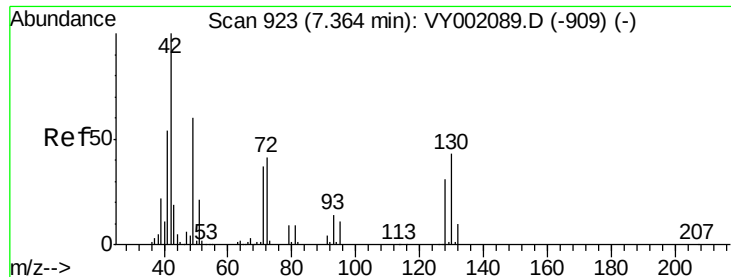
MMDadoda
 4/2/2020 10:12:58 AM



#28
 Bromochloromethane
 Concen: 19.085 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	65.5	54.1	81.1





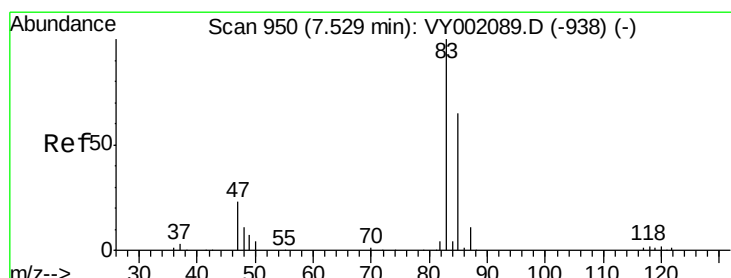
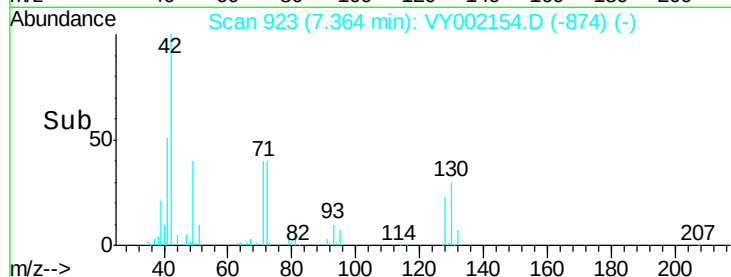
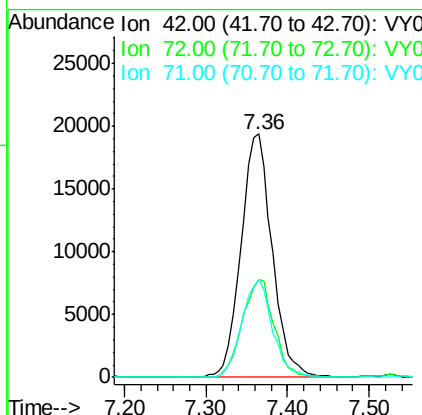
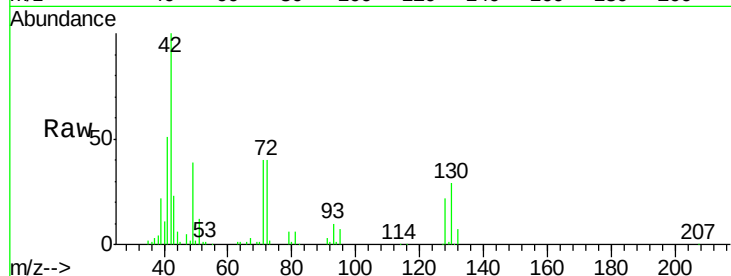
#29
Tetrahydrofuran
Concen: 102.268 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampled :
VY0401SBS01

Tot Ion:	42	Resp:	51315
Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.0	49.4
71	39.5	31.2	46.8

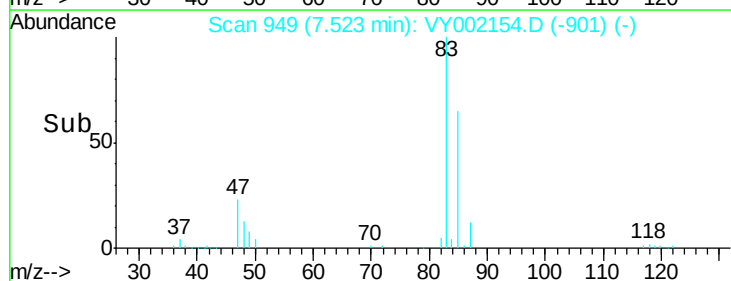
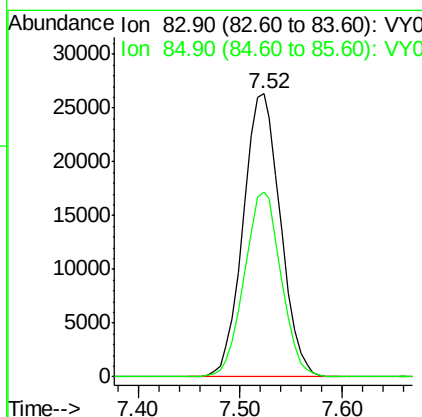
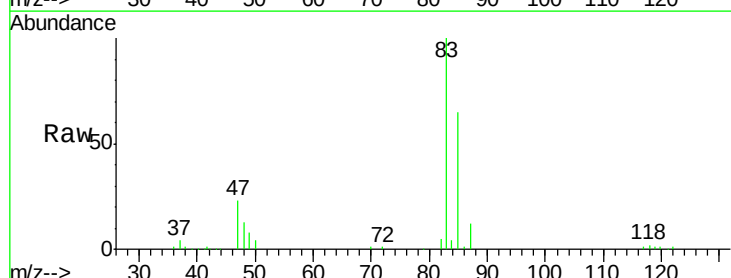
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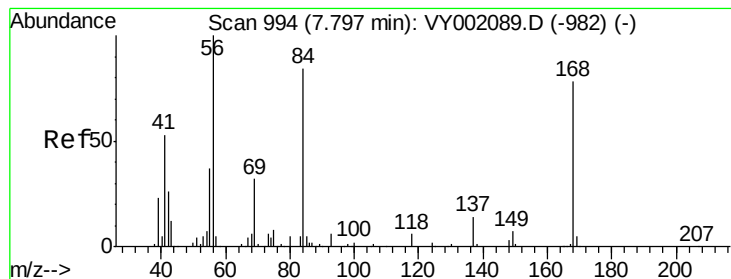
MMDadoda
4/2/2020 10:12:58 AM



#30
Chloroform
Concen: 20.376 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion:	83	Resp:	66993
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.4	78.6





#31

Cyclohexane

Concen: 21.005 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

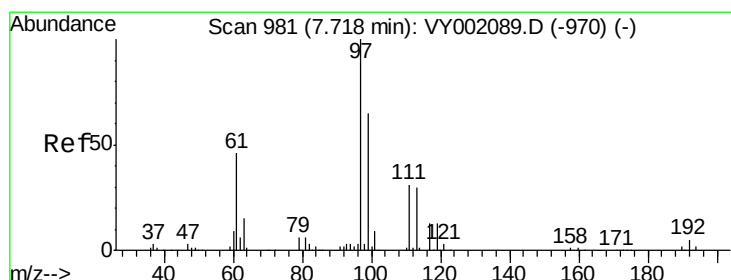
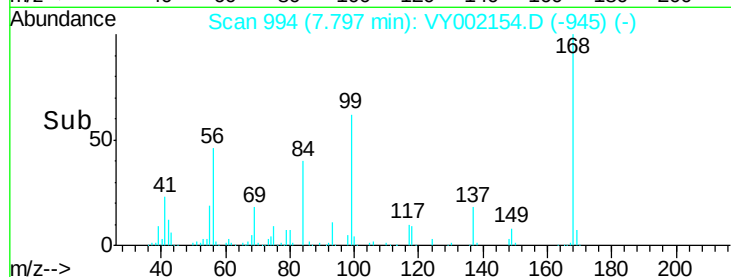
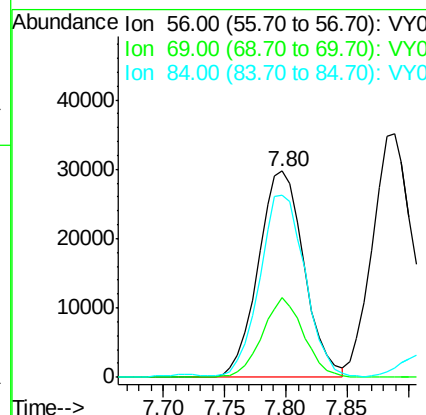
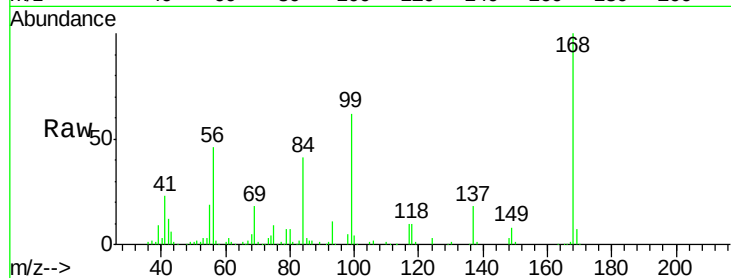
ClientSampleId :

VY0401SBS01

Tot Ion:	56	Resp:	77636
Ion Ratio	Lower	Upper	
56	100		
69	38.4	25.8	38.8
84	87.3	67.1	100.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.778 ug/l

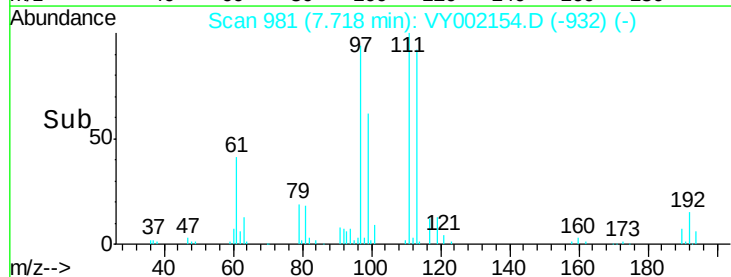
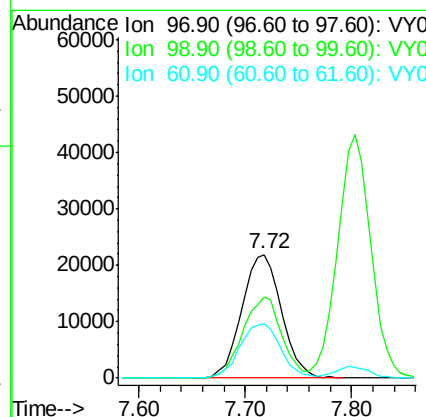
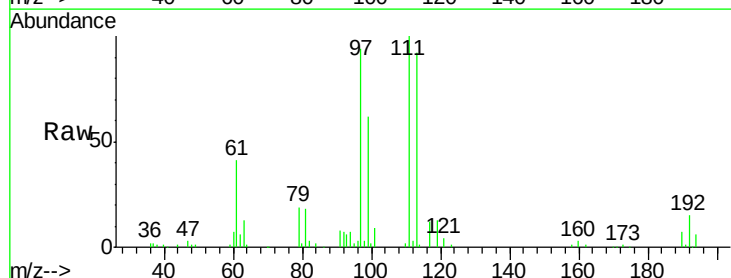
RT: 7.72 min Scan# 981

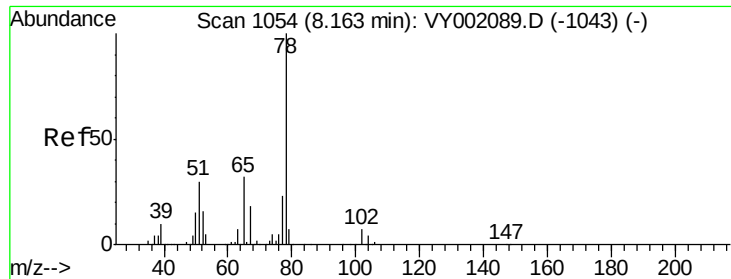
Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Tgt Ion:	97	Resp:	57036
Ion Ratio	Lower	Upper	
97	100		
99	64.1	52.0	78.0
61	45.2	35.7	53.5





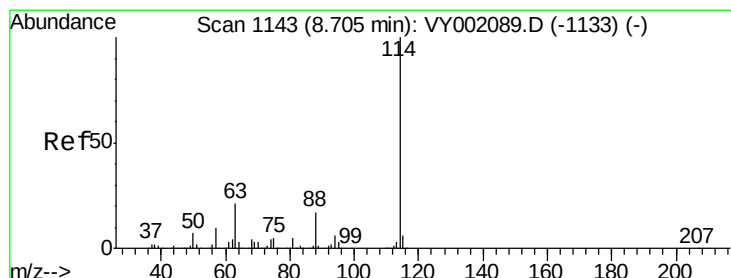
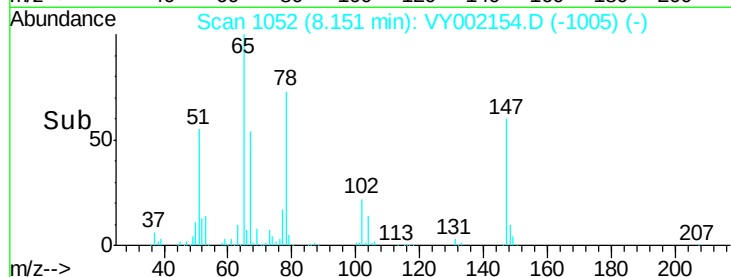
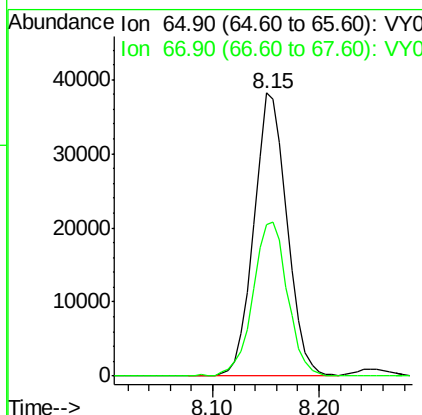
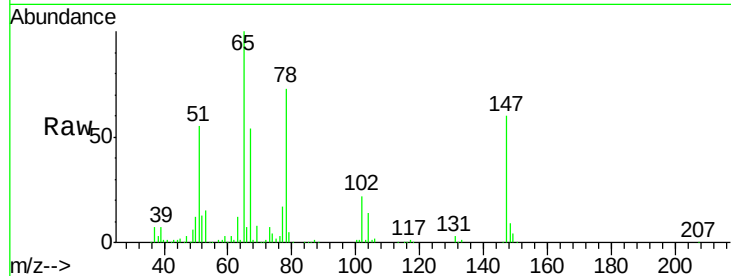
#33
 1,2-Dichloroethane-d4
 Concen: 47.006 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.7	0.0	112.8	

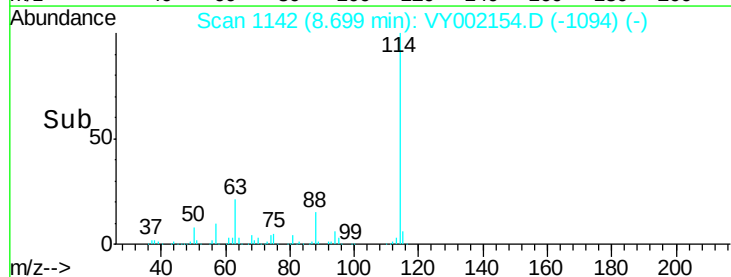
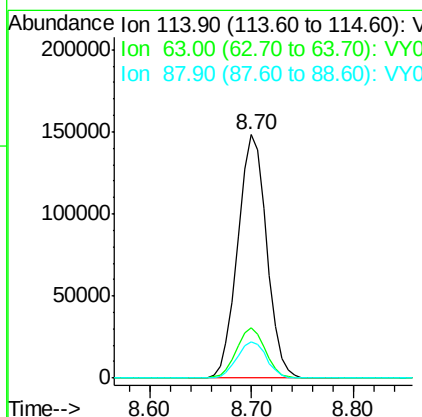
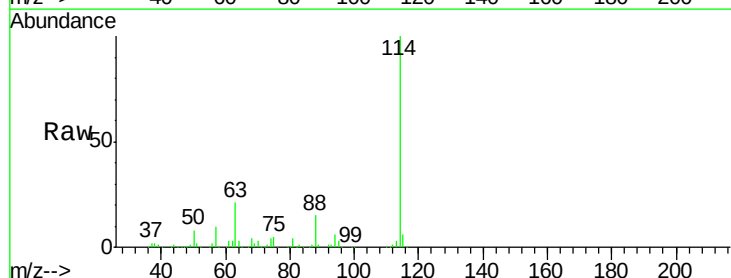
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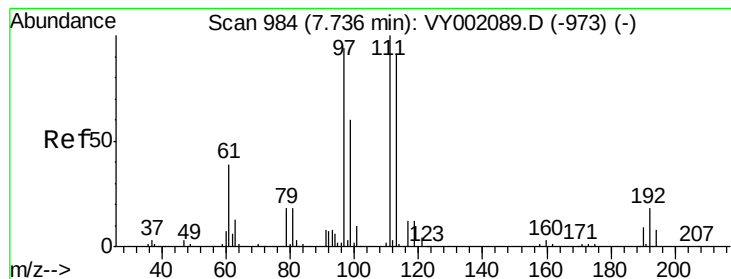
MMDadoda
 4/2/2020 10:12:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	41.4	
88	15.1	0.0	33.0	





#35

Dibromofluoromethane

Concen: 47.112 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tot Ion:113 Resp: 76848

Ion Ratio Lower Upper

113 100

111 104.8 84.4 126.6

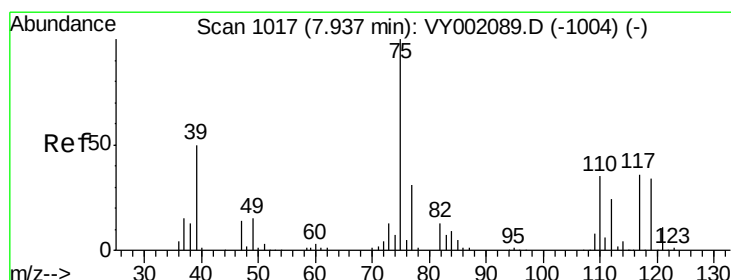
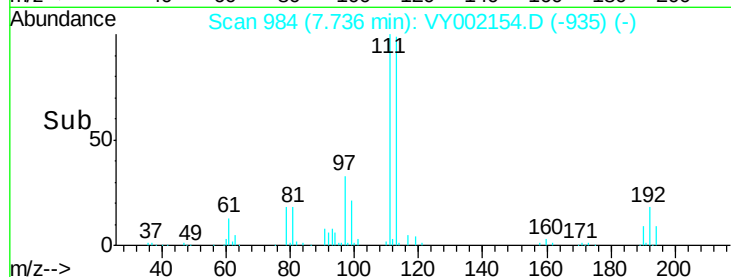
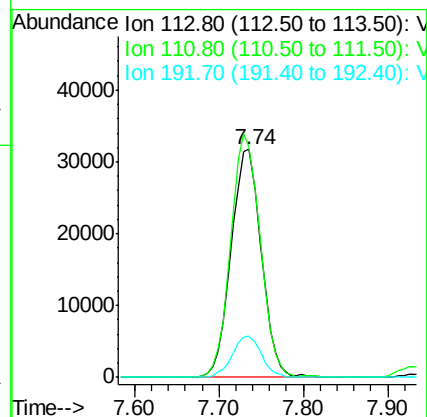
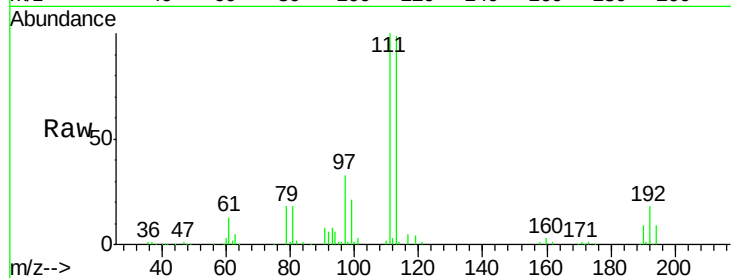
192 17.6 14.6 21.8

Manual Integrations

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MMDadoda

4/2/2020 10:12:58 AM



#36

1,1-Dichloropropene

Concen: 20.949 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

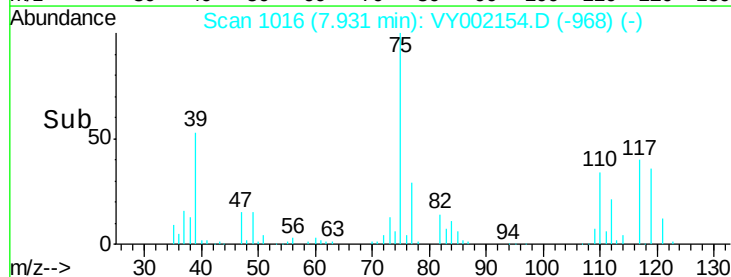
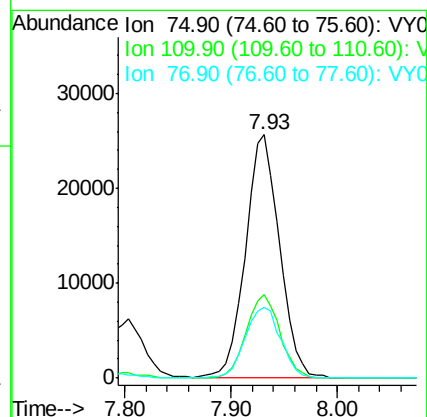
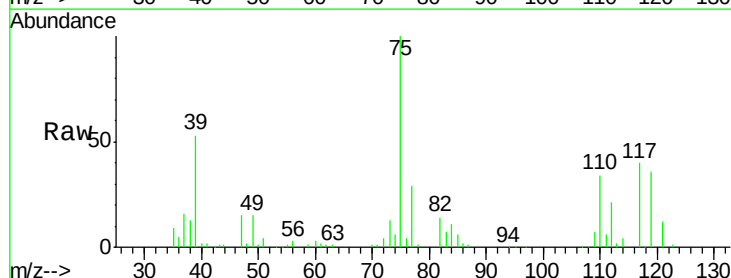
Tgt Ion: 75 Resp: 57685

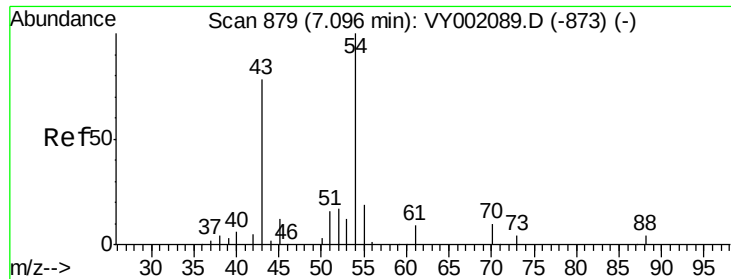
Ion Ratio Lower Upper

75 100

110 33.9 17.2 51.6

77 30.2 24.7 37.1





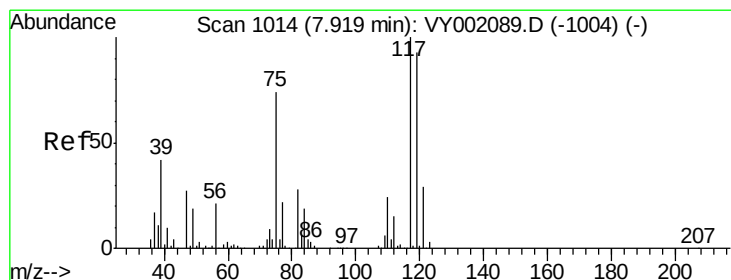
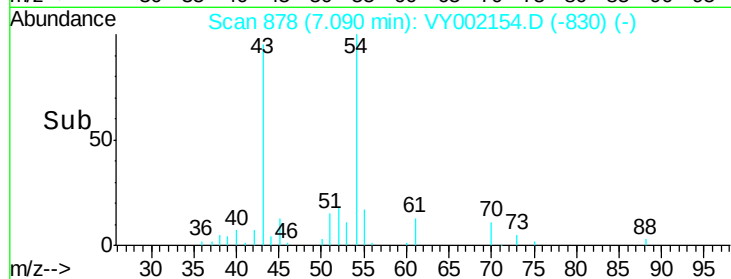
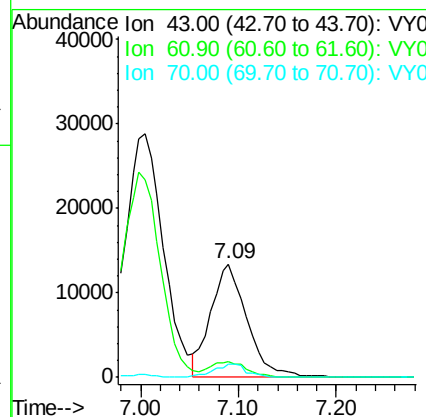
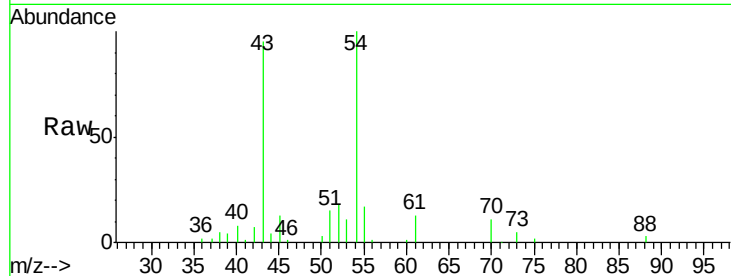
#37
Ethyl Acetate
Concen: 20.656 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion:	43	Resp:	34372
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.2	16.8
70	10.8	8.2	12.4

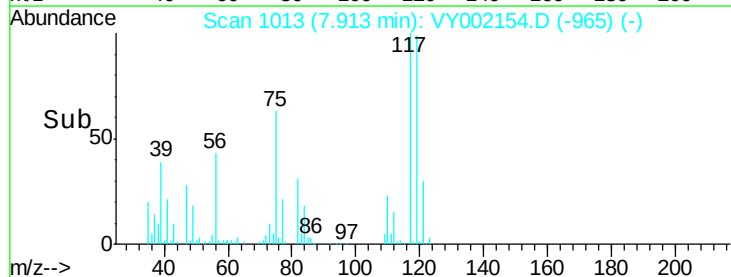
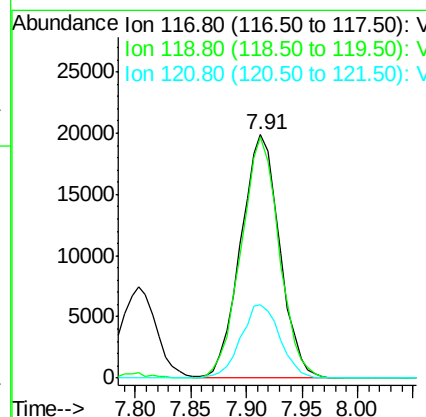
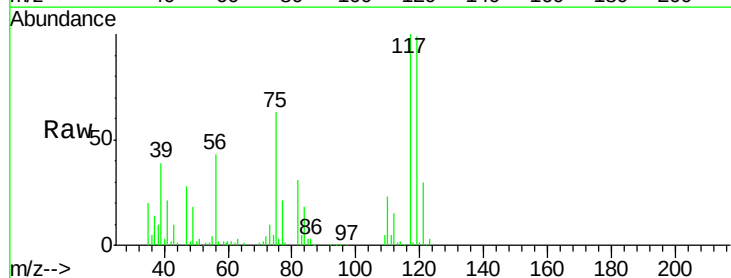
Manual Integrations
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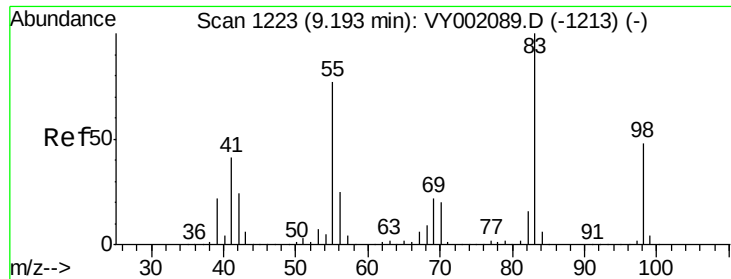
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#38
Carbon Tetrachloride
Concen: 20.715 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion:	117	Resp:	48394
Ion	Ratio	Lower	Upper
117	100		
119	98.8	74.3	111.5
121	30.0	23.3	34.9





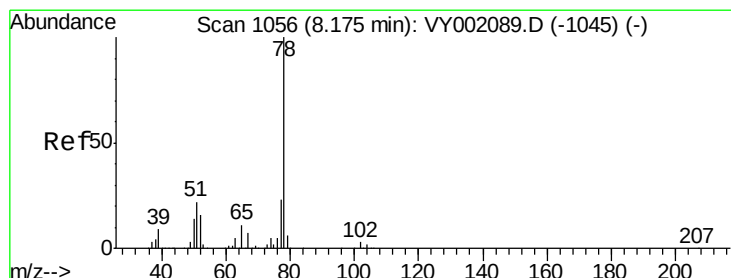
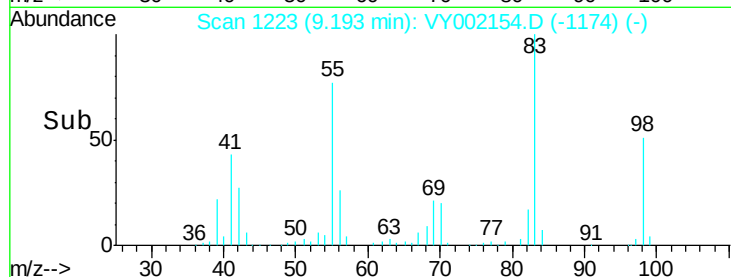
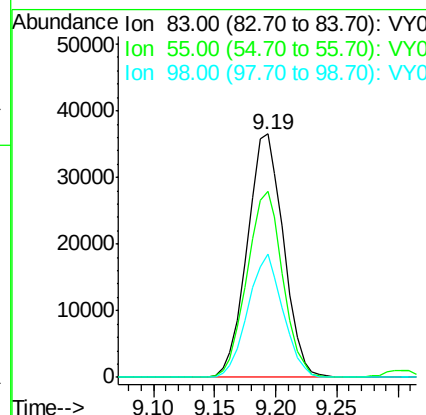
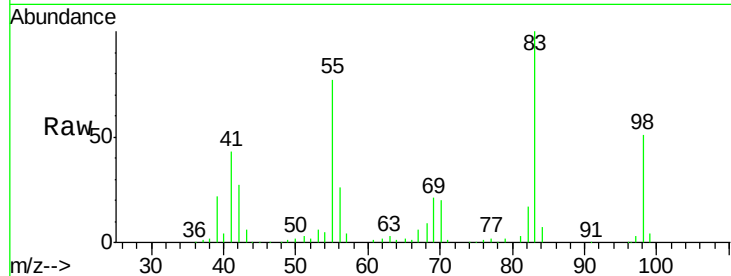
#39
Methylvlcyclohexane
Concen: 20.874 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.2	91.8
98	50.5	38.2	57.2

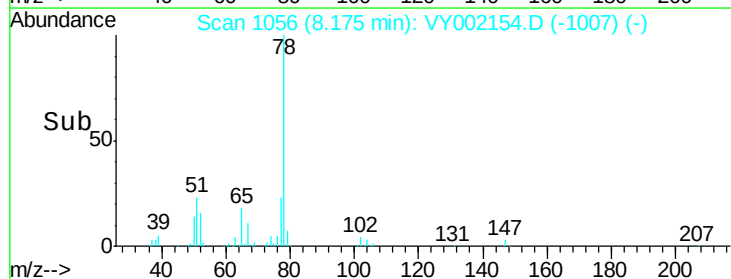
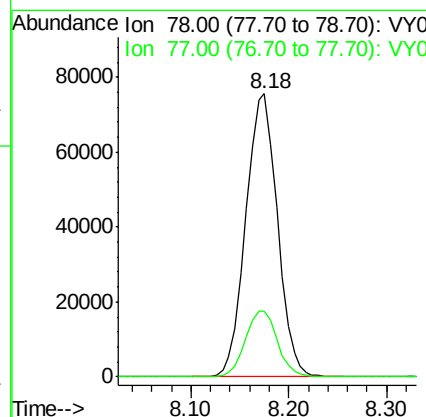
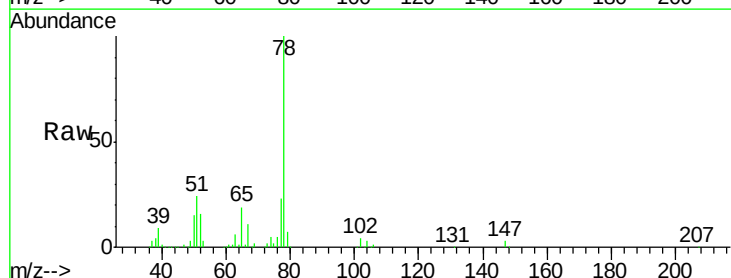
Manual Integrations
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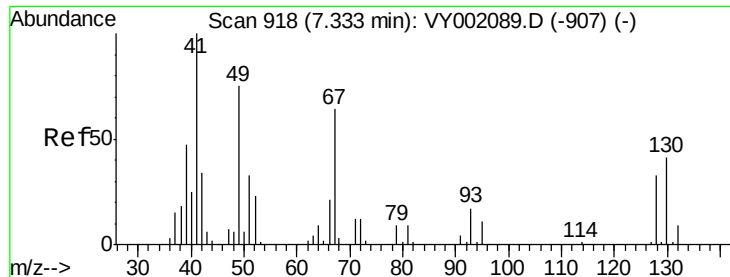
MMDadoda
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#40
Benzene
Concen: 20.762 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.4





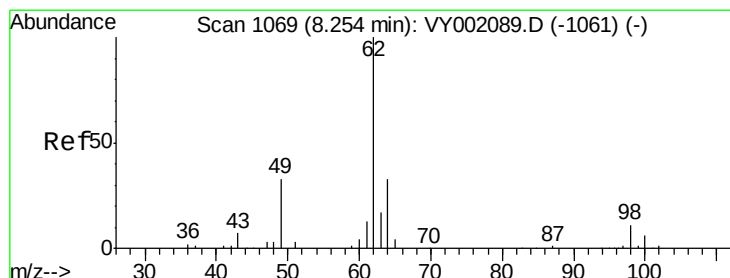
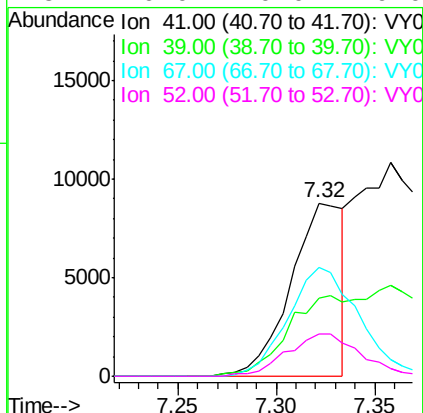
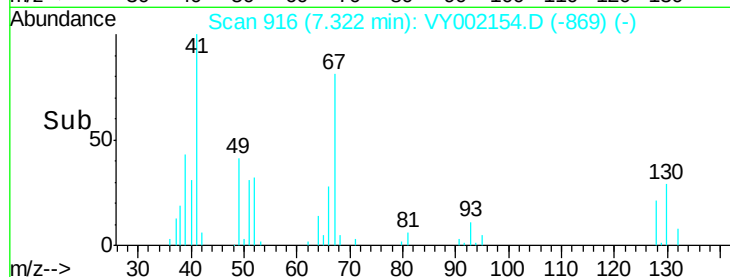
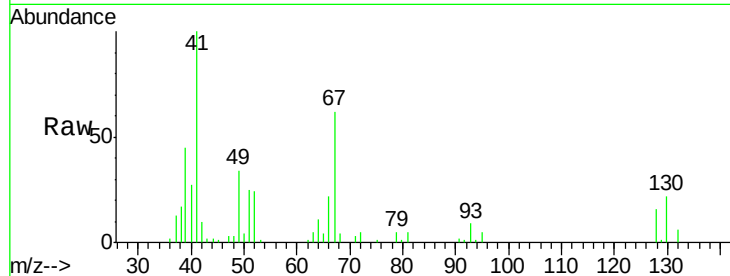
#41
Methacrylonitrile
Concen: 19.800 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion	41	Resp:	16666
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

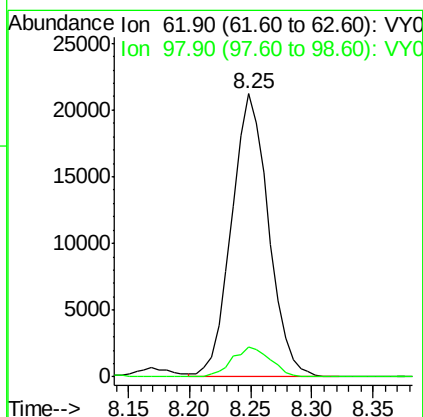
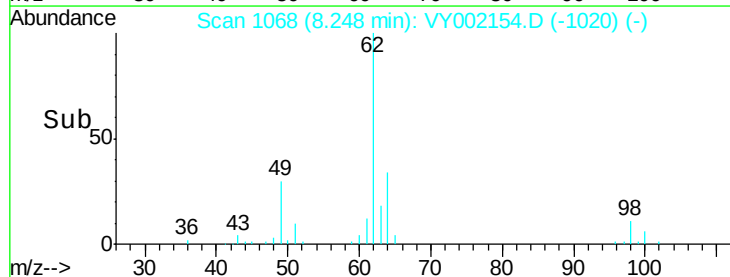
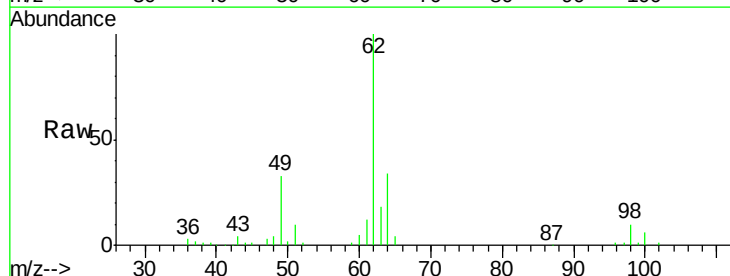
Manual Integrations
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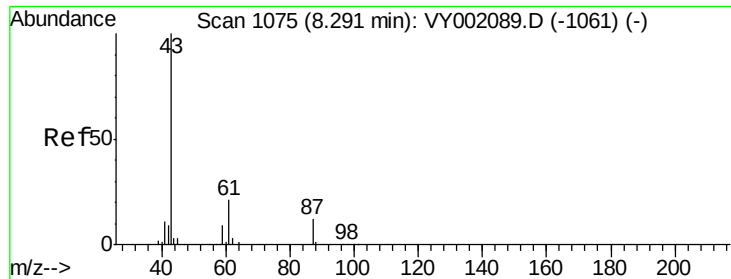
MMDadoda
4/2/2020 10:12:58 AM



#42
1,2-Dichloroethane
Concen: 20.535 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	62	Resp:	44468
Ion Ratio	Lower	Upper	
62	100		
98	10.9	0.0	21.2





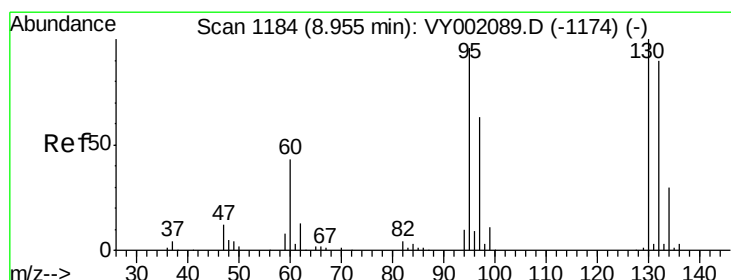
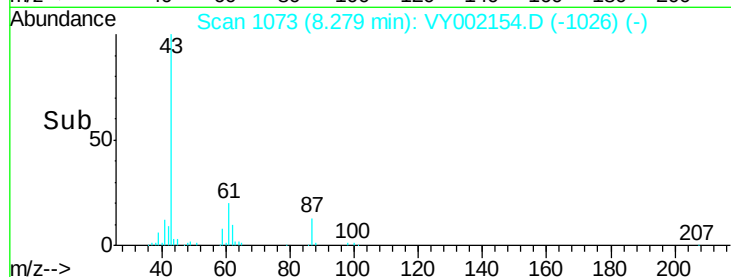
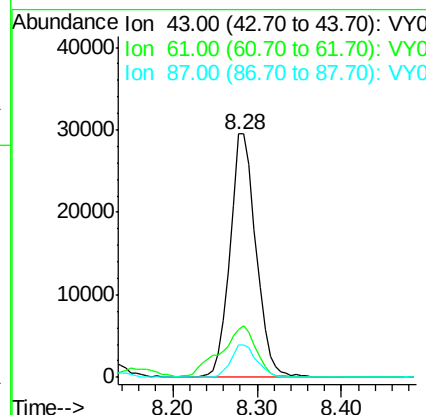
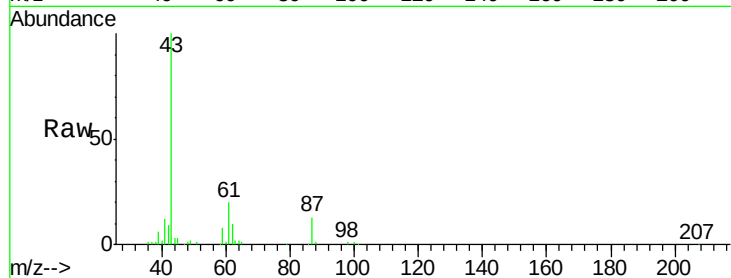
#43
Isopropyl Acetate
Concen: 20.163 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion:	43	Resp:	62272
Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.4	35.2
87	13.2	10.2	15.4

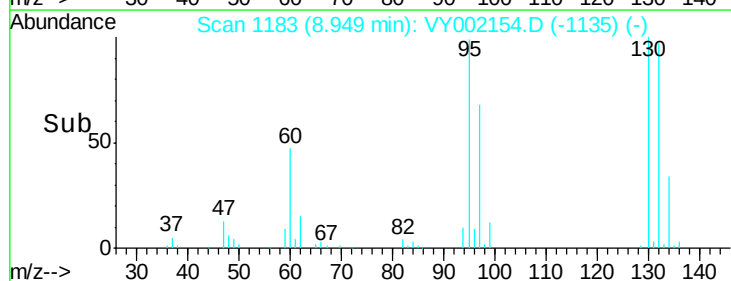
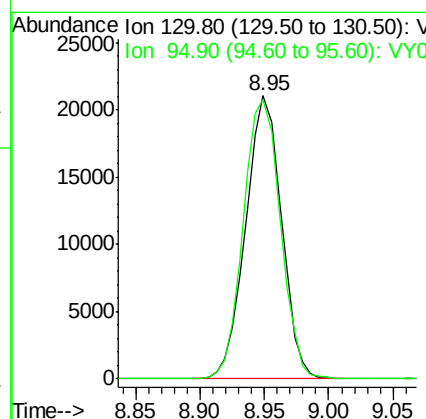
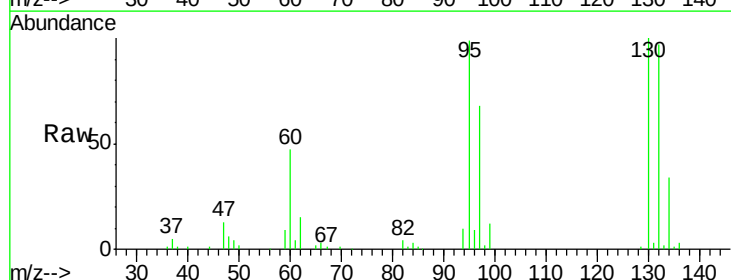
Manual Integrations
APPROVED

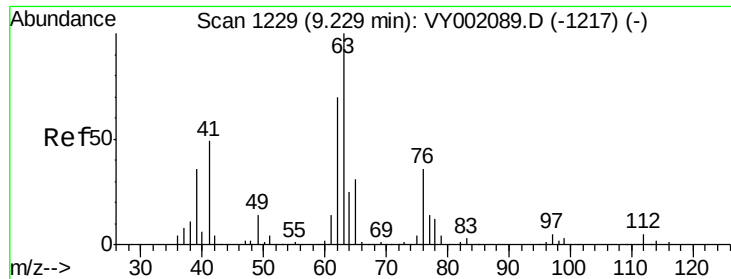
MMDadoda
4/2/2020 10:12:58 AM



#44
Trichloroethene
Concen: 20.603 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion:	130	Resp:	40509
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	193.0





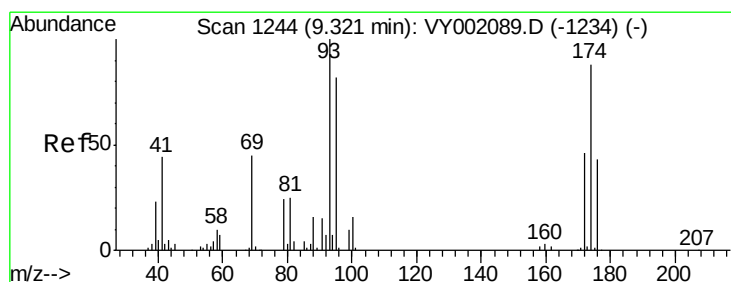
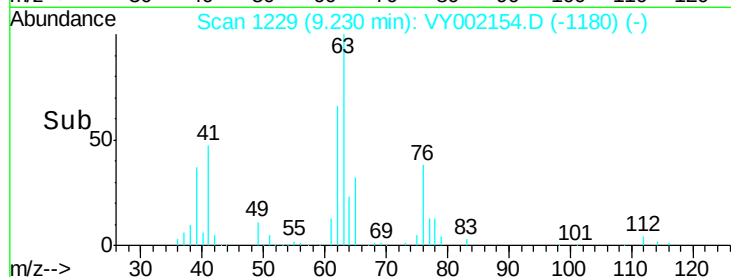
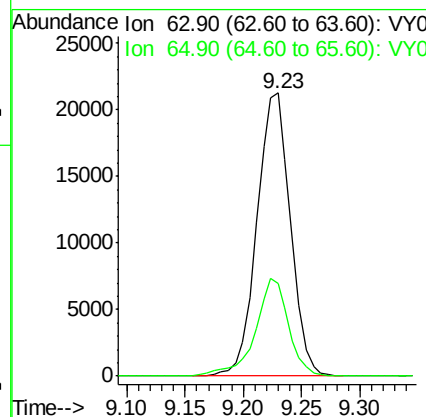
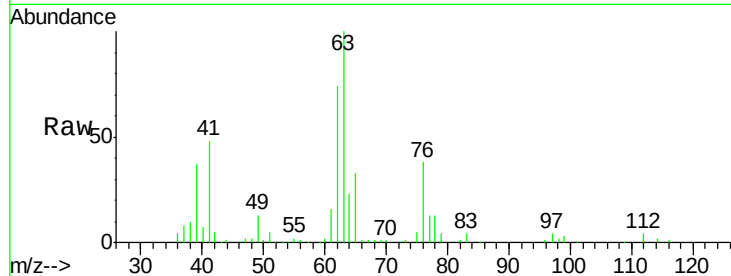
#45
 1,2-Dichloropropane
 Concen: 20.500 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion: 63 Resp: 42574
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.0 37.6

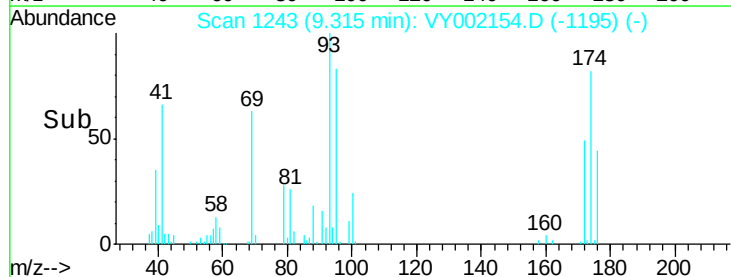
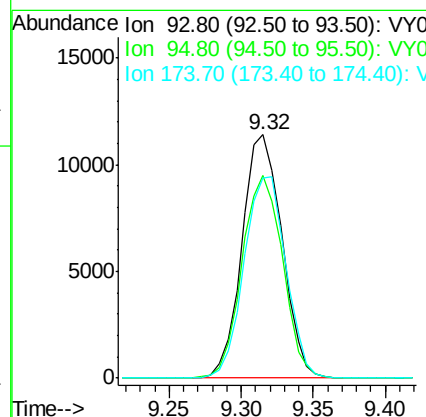
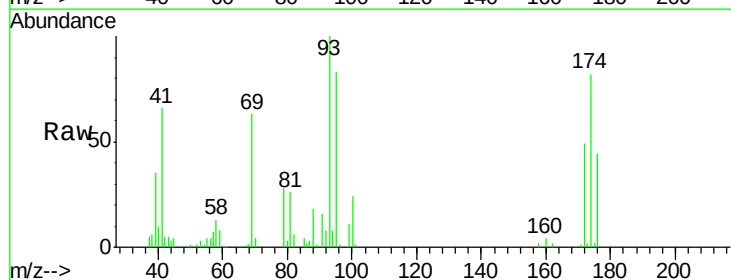
Manual Integrations
 APPROVED

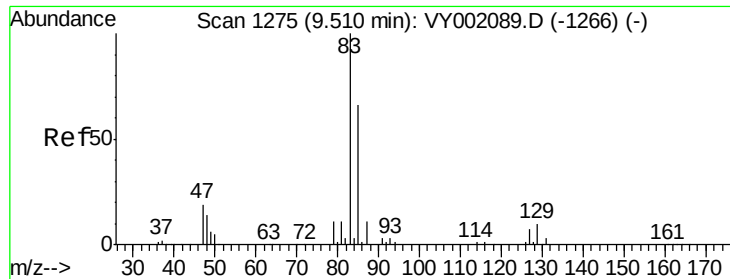
MMDadoda
 4/2/2020 10:12:58 AM



#46
 Dibromomethane
 Concen: 20.614 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion: 93 Resp: 21986
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.0 99.0
 174 86.2 69.8 104.8





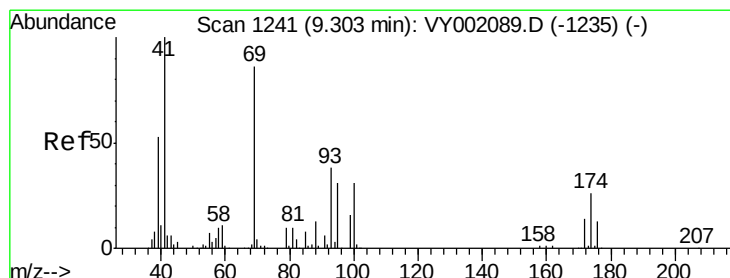
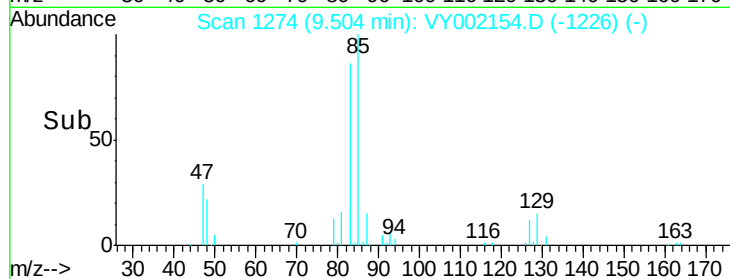
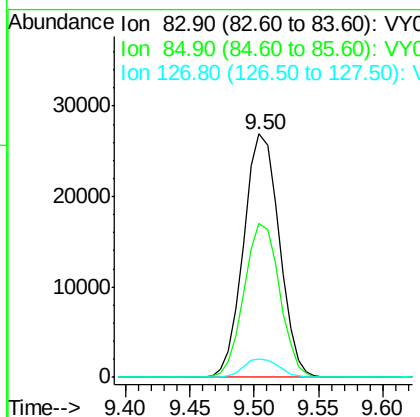
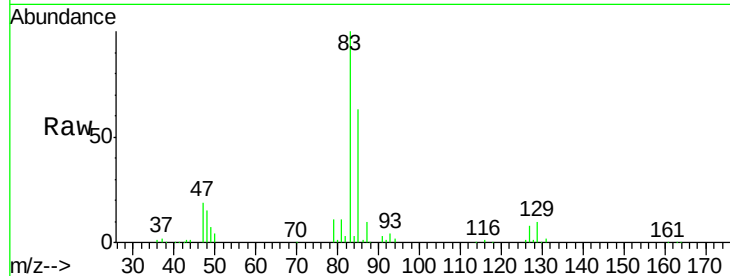
#47
Bromodichloromethane
Concen: 20.811 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	79.0
127	7.6	5.9	8.9

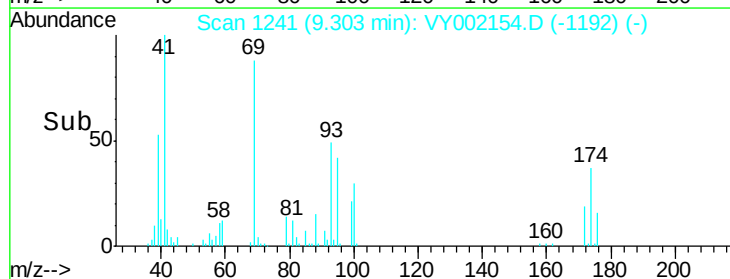
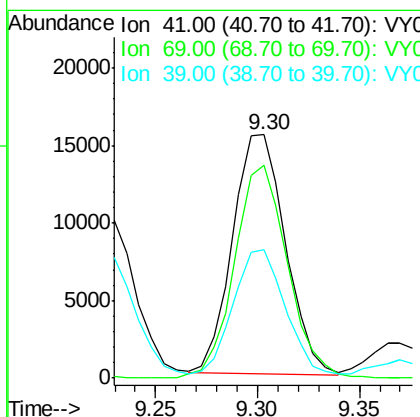
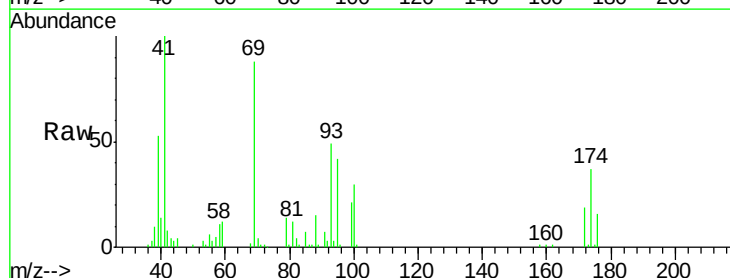
Manual Integrations
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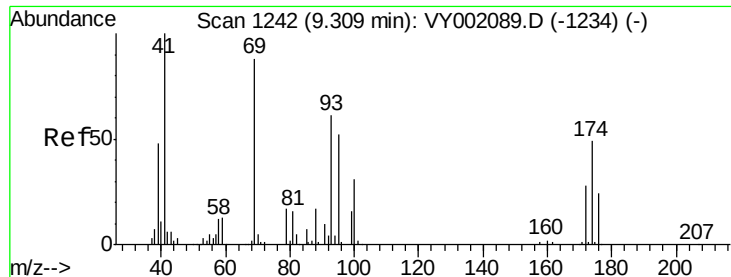
MMDadoda
4/2/2020 10:12:58 AM



#48
Methyl methacrylate
Concen: 19.989 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.5	71.4	107.0
39	51.6	41.0	61.4





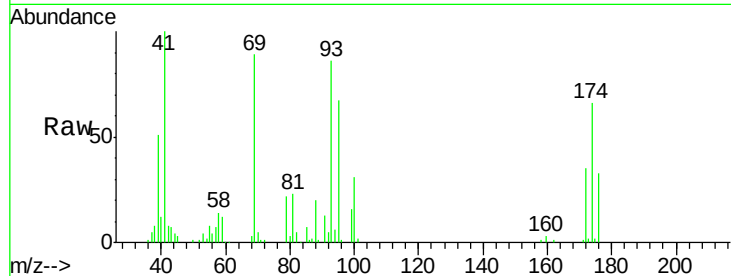
#49
1,4-Dioxane
Concen: 405.168 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

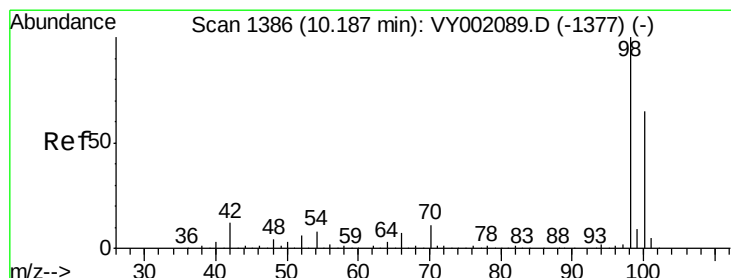
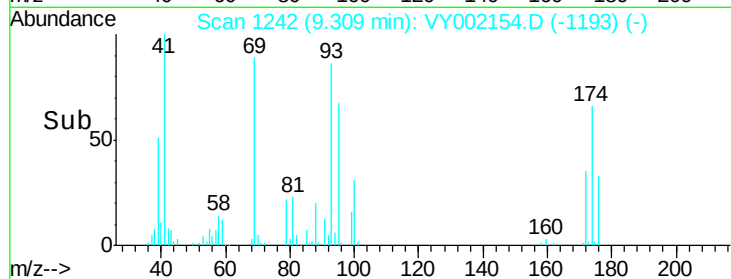
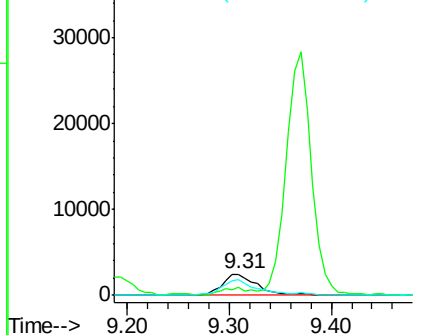
Tot Ion	88	Resp	5930
Ion Ratio	100	Lower	Upper
88	100		
43	26.1	27.2	40.8#
58	78.7	59.8	89.8

Manual Integrations
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4/2/2020 10:12:58 AM

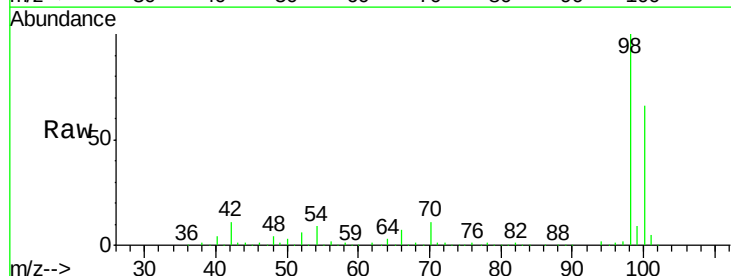


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

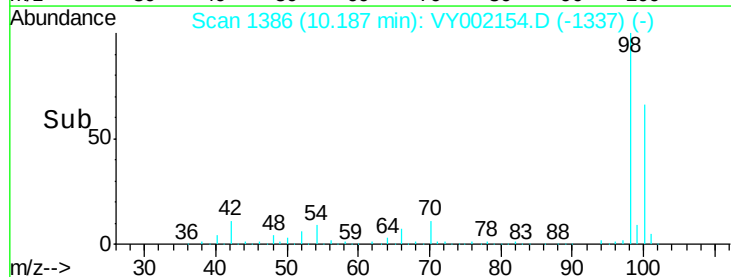
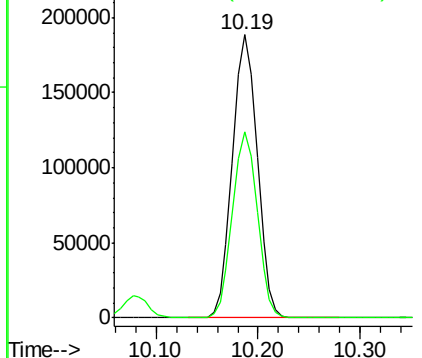


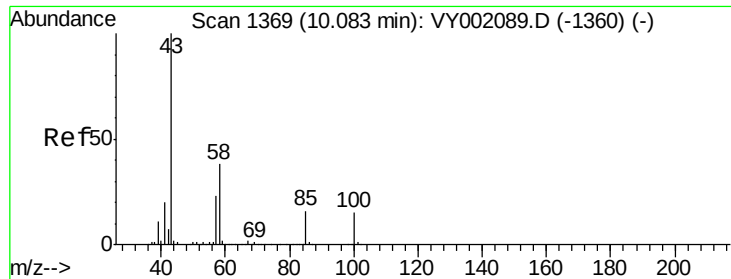
#50
Toluene-d8
Concen: 47.041 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	98	Resp	318767
Ion Ratio	100	Lower	Upper
98	100		
100	65.8	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





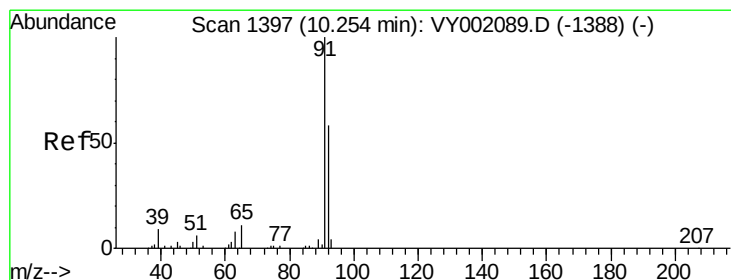
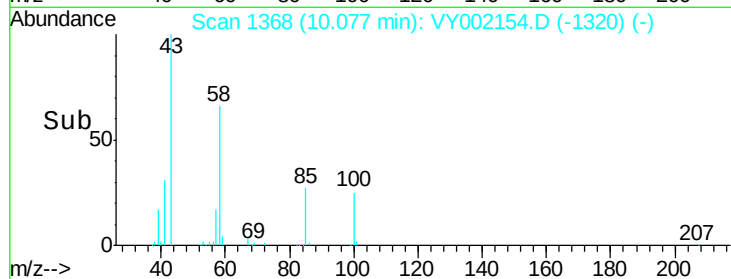
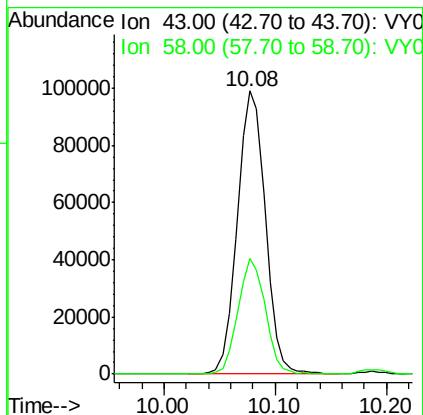
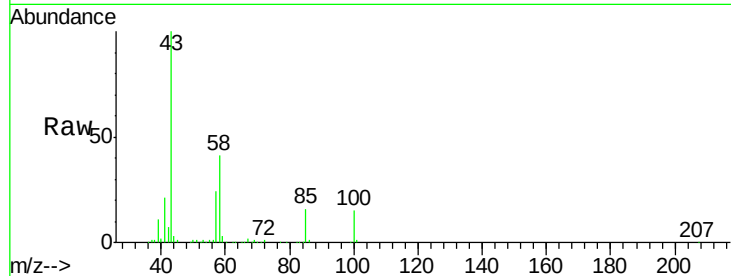
#51
4-Methyl-2-Pentanone
Concen: 108.027 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampled :
VY0401SBS01

Tot Ion	43	58	Ratio	Lower	Upper
171797	100	40.0		31.6	47.4

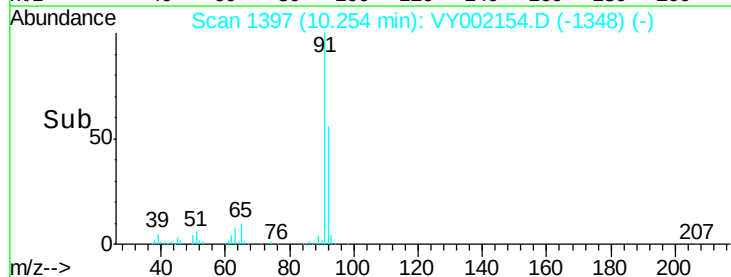
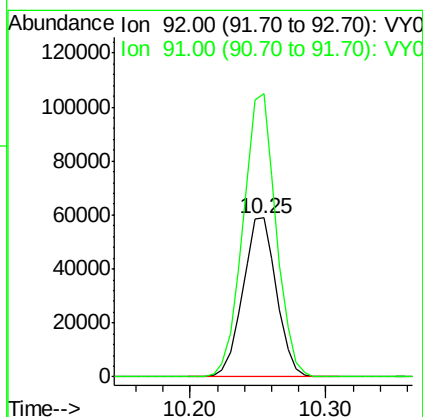
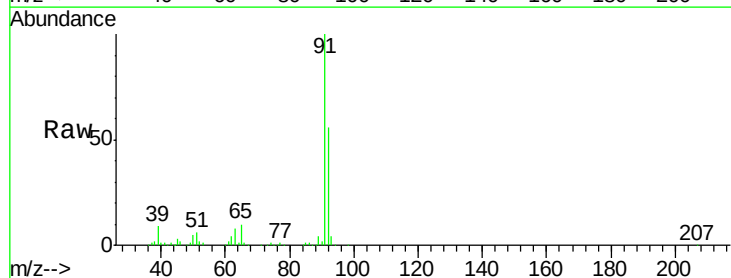
Manual Integrations
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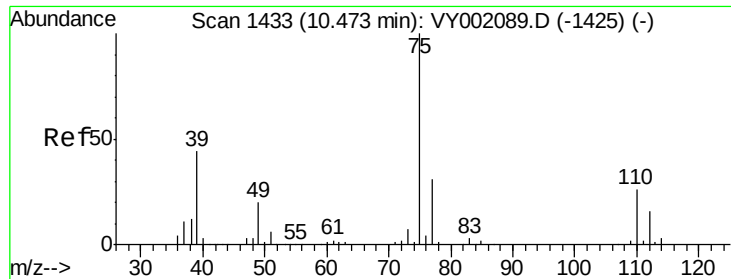
MMDadoda
4/2/2020 10:12:58 AM



#52
Toluene
Concen: 20.624 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	92	91	Ratio	Lower	Upper
101745	100	174.3		139.3	208.9





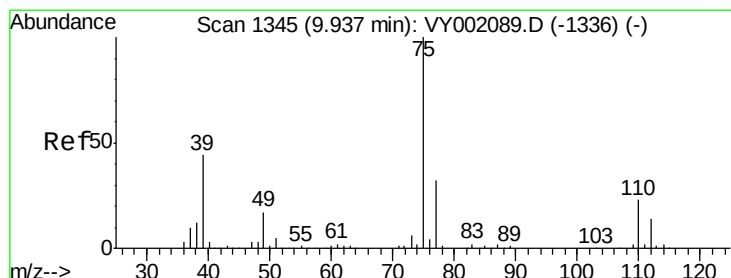
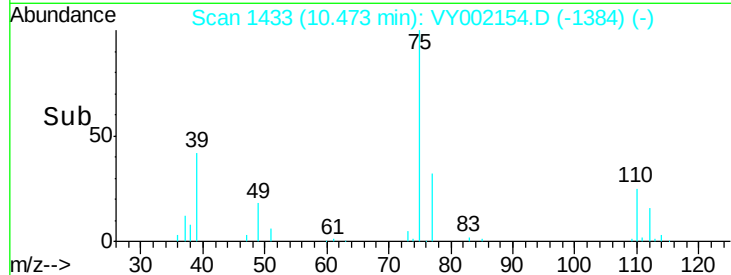
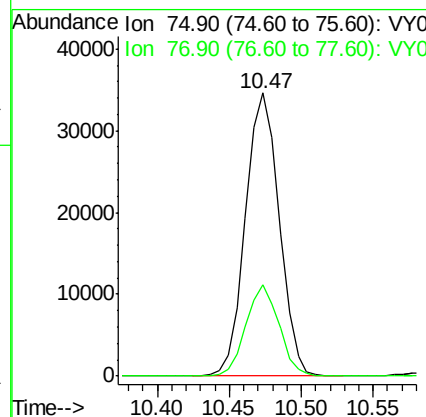
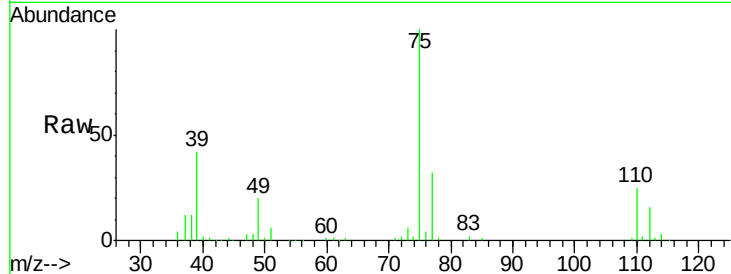
#53
t-1,3-Dichloropropene
Concen: 20.378 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.2	37.8

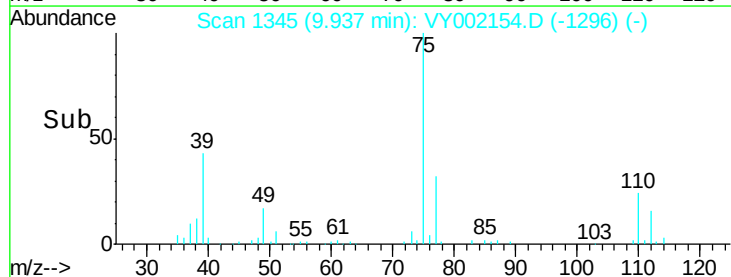
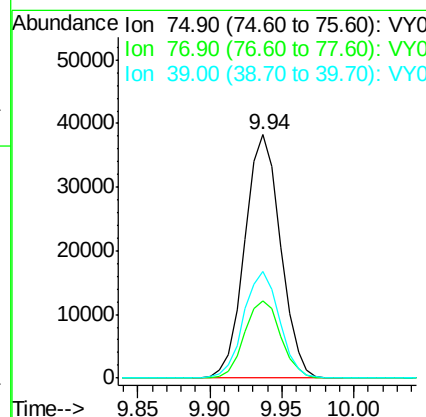
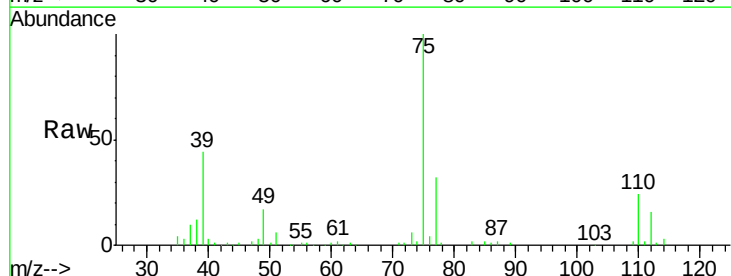
Manual Integrations
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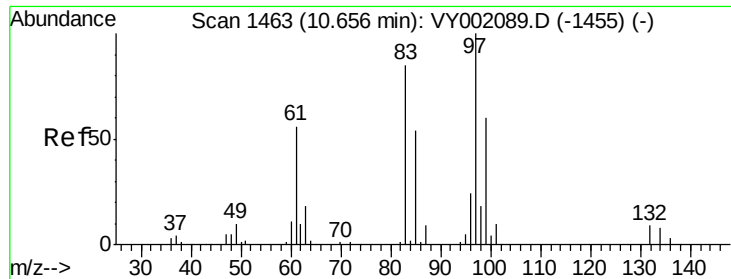
MMDadoda
4/2/2020 10:12:58 AM



#54
cis-1,3-Dichloropropene
Concen: 20.275 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	43.6	35.2	52.8





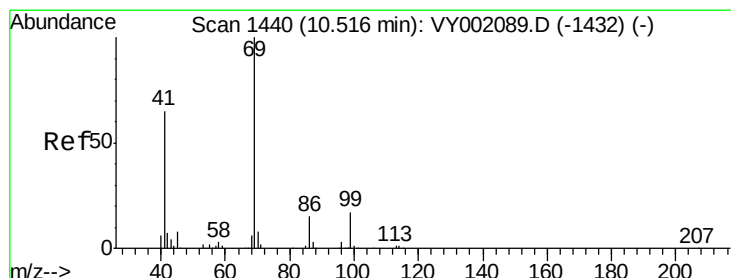
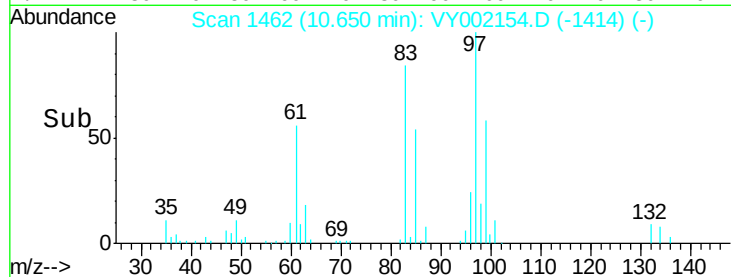
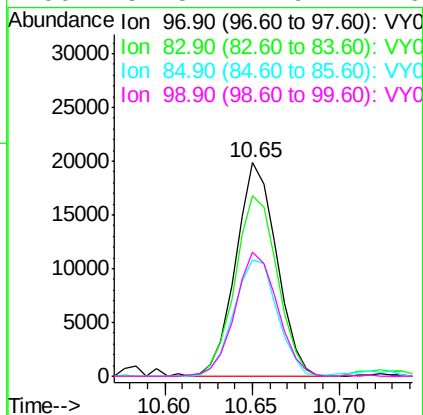
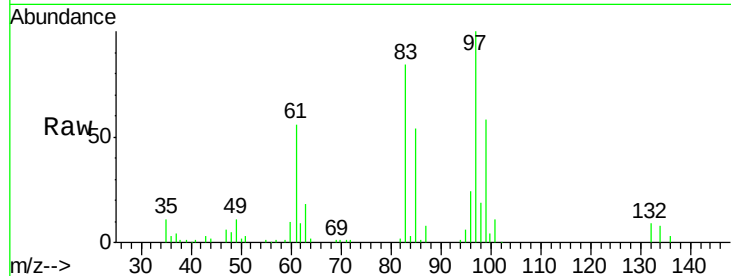
#55
 1,1,2-Trichloroethane
 Concen: 20.486 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion:	97	Resp:	32339
Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.2	102.2
85	54.4	42.9	64.3
99	57.8	47.9	71.9

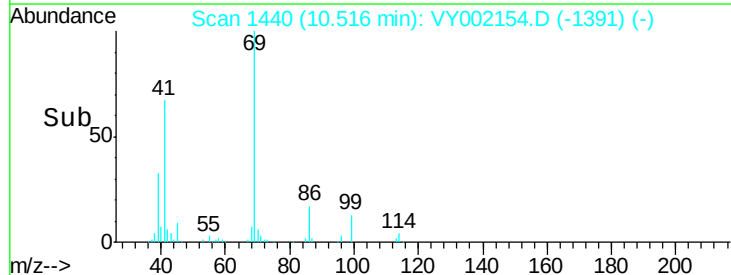
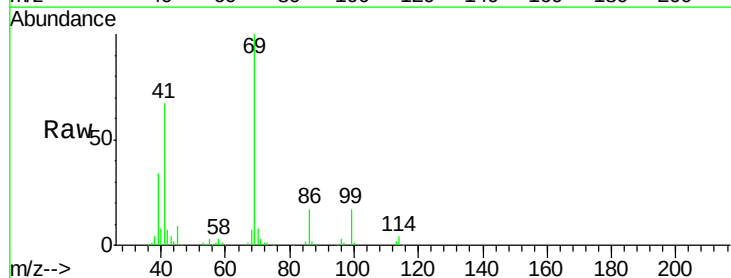
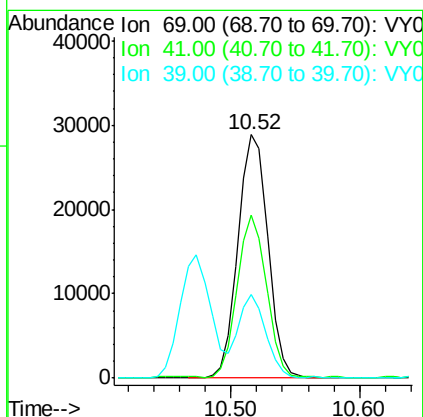
Manual Integrations
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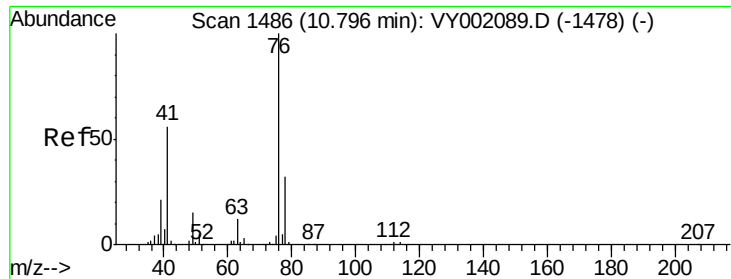
MMDadoda
 4/2/2020 10:12:58 AM



#56
 Ethyl methacrylate
 Concen: 20.158 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion:	69	Resp:	46477
Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.8	79.2
39	30.6	25.0	37.6





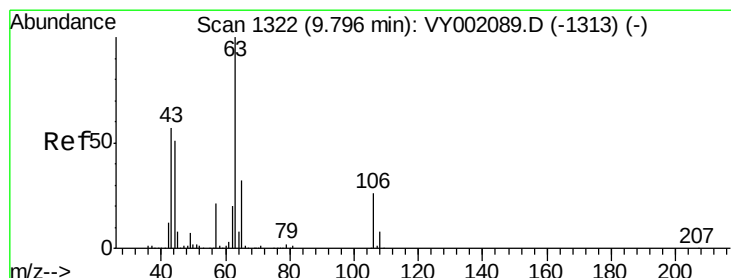
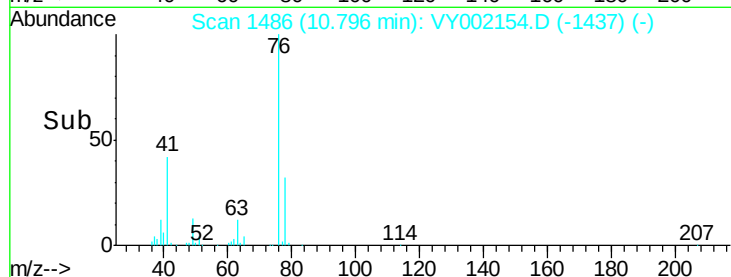
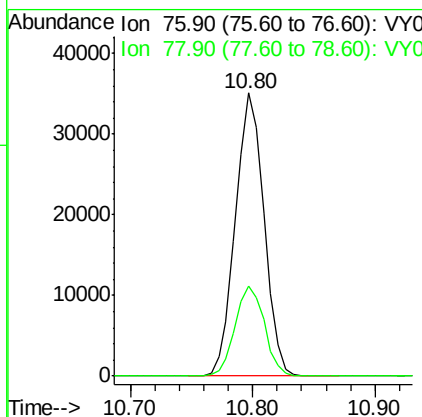
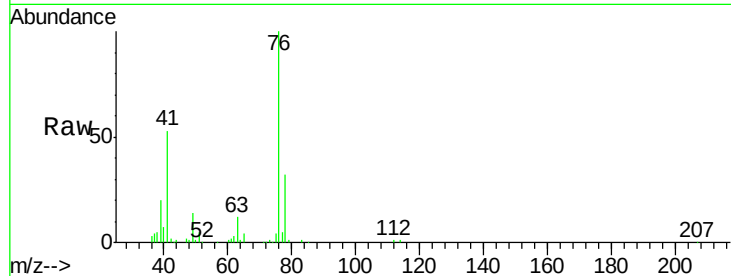
#57
 1,3-Dichloropropane
 Concen: 20.396 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

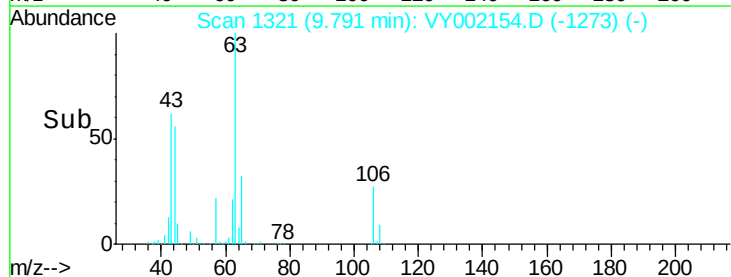
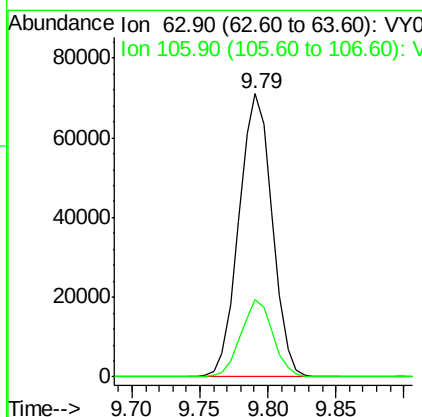
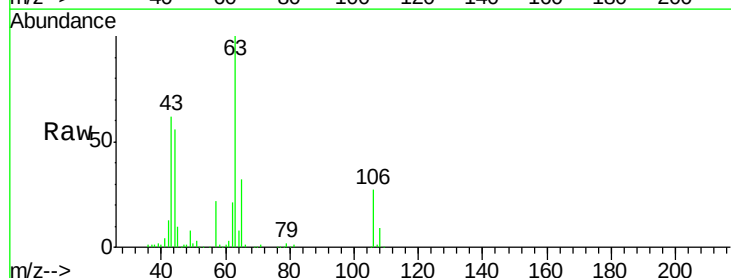
Manual Integrations
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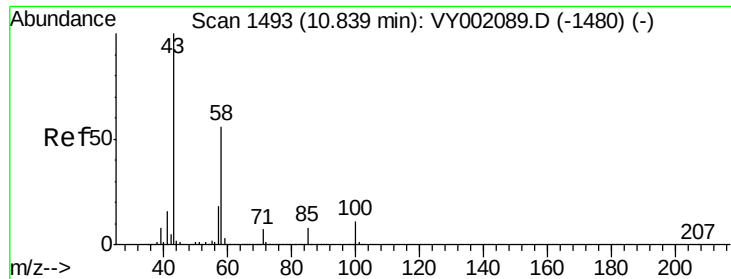
MMDadoda
 4/2/2020 10:12:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.131 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.4





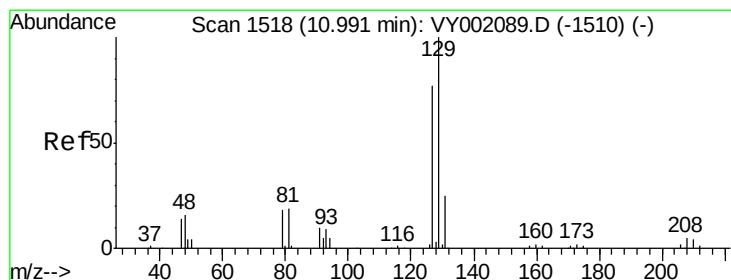
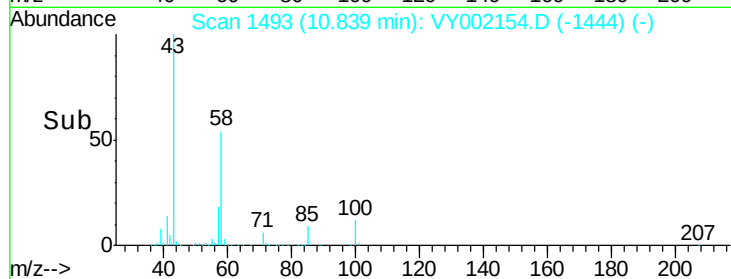
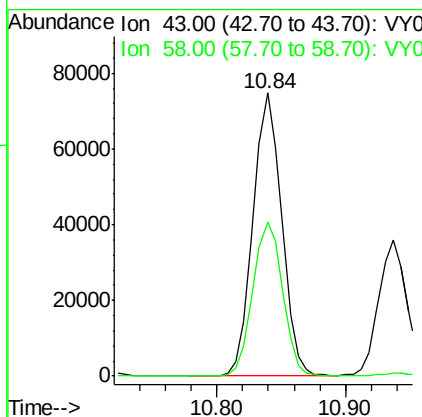
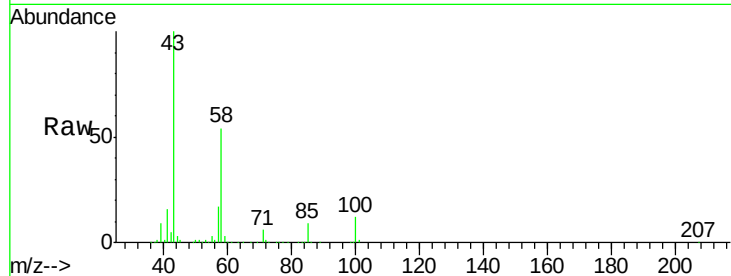
#59
2-Hexanone
Concen: 102.721 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion	43	Resp	115072
Ion Ratio	43	100	
Lower	58	56.3	27.9
Upper			83.6

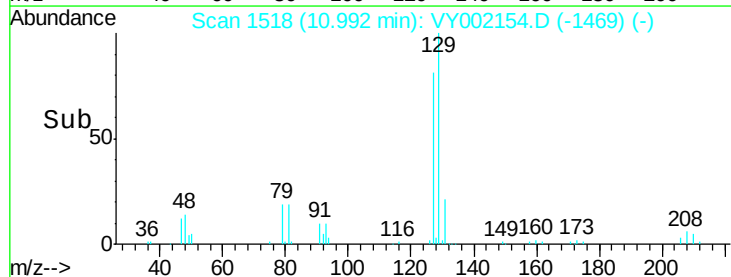
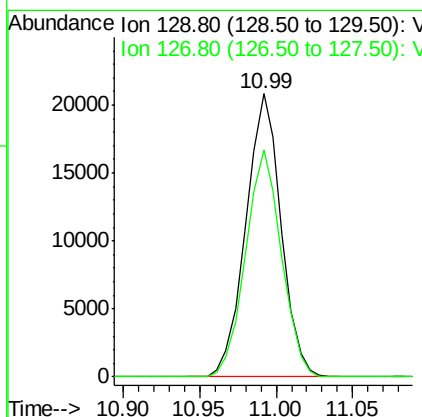
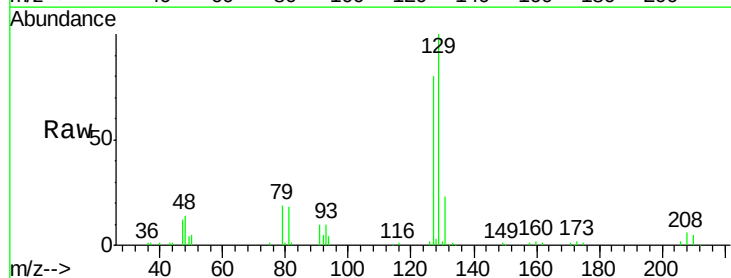
Manual Integrations
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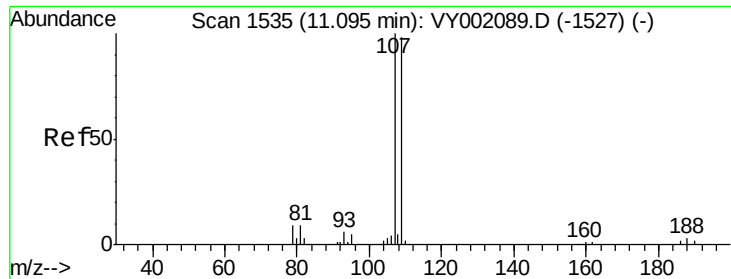
MMDadoda
4/2/2020 10:12:58 AM



#60
Dibromochloromethane
Concen: 20.142 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	129	Resp	33272
Ion Ratio	129	100	
Lower	127	81.5	38.7
Upper			116.1





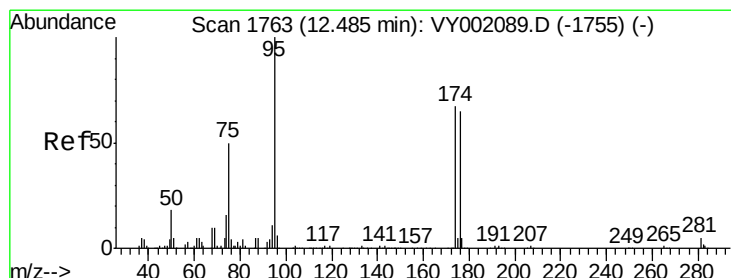
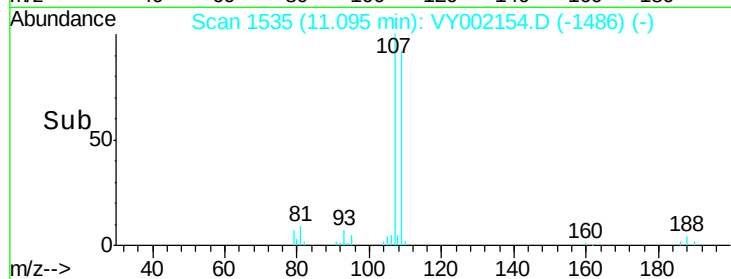
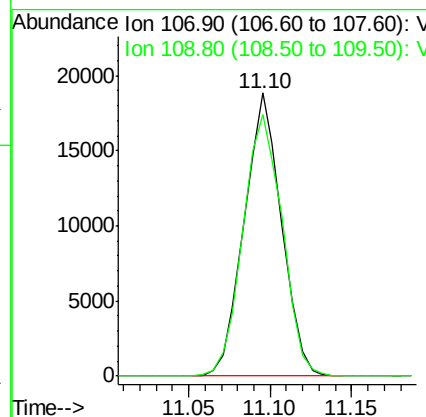
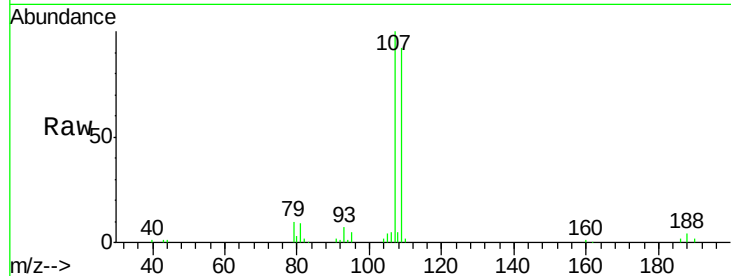
#61
 1,2-Dibromoethane
 Concen: 20.262 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.3	114.5

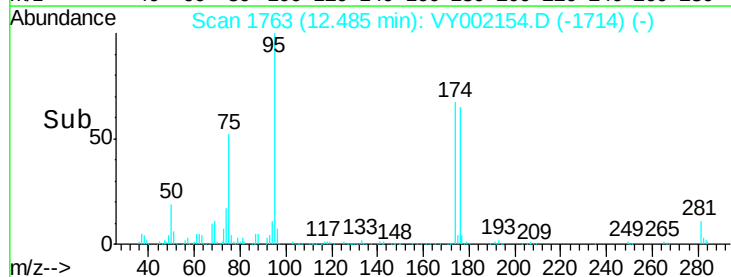
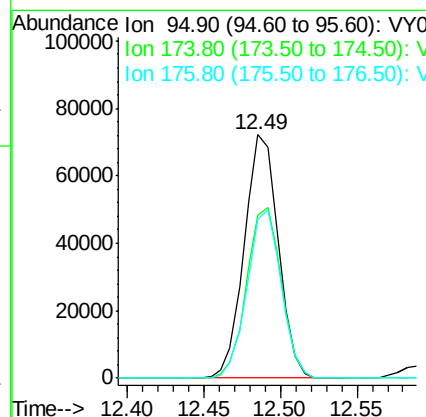
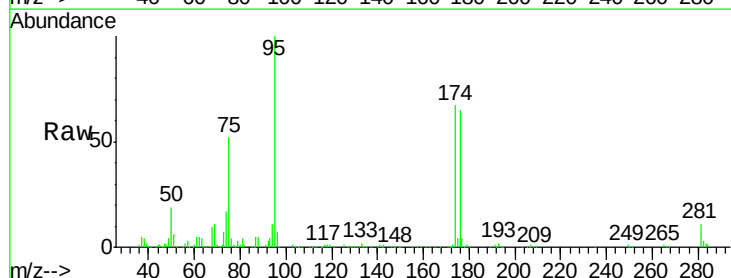
Manual Integrations
 APPROVED

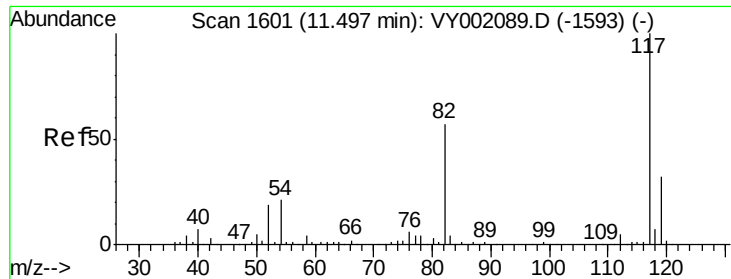
MMDadoda
 4/2/2020 10:12:58 AM



#62
 4-Bromofluorobenzene
 Concen: 47.093 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	143.4
176	69.3	0.0	137.0





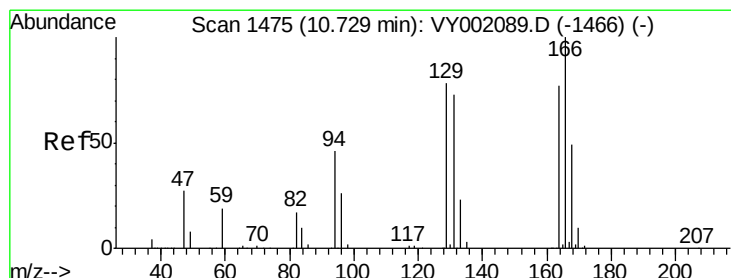
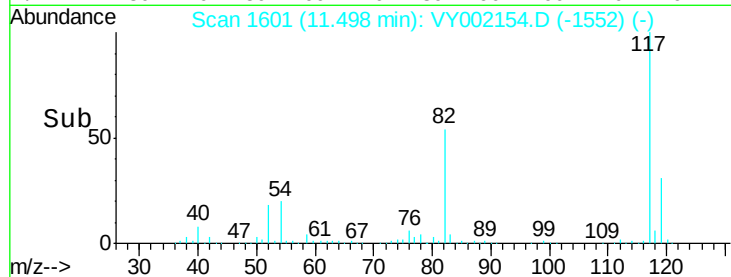
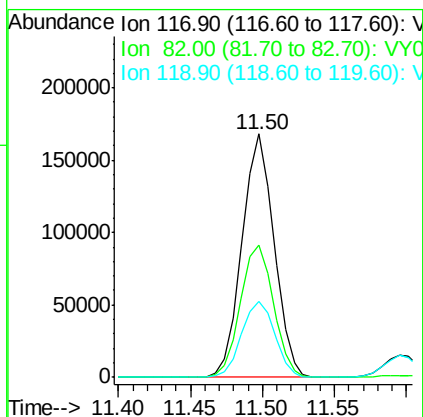
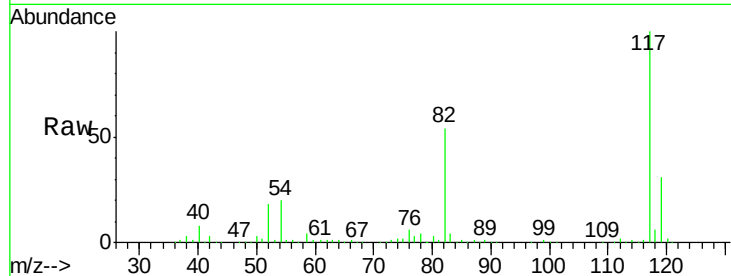
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.4	68.2
119	31.2	25.3	37.9

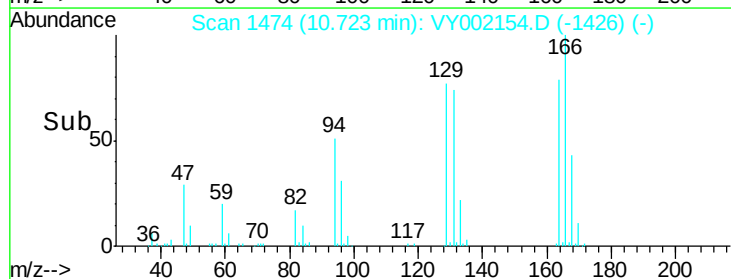
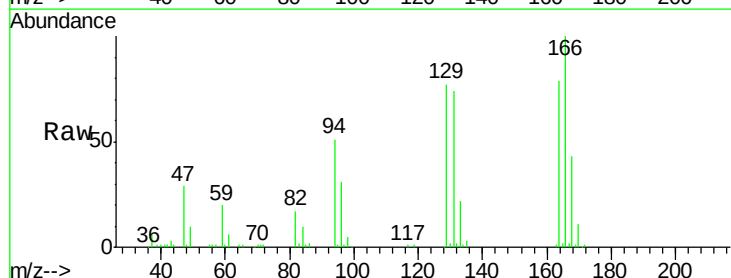
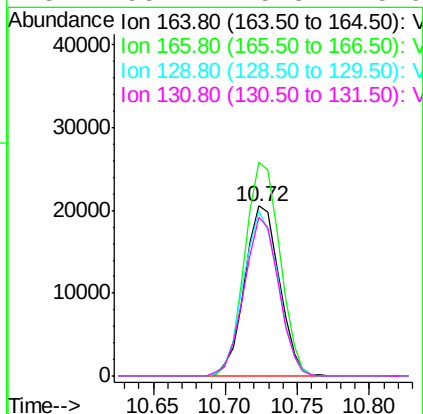
Manual Integrations
APPROVED

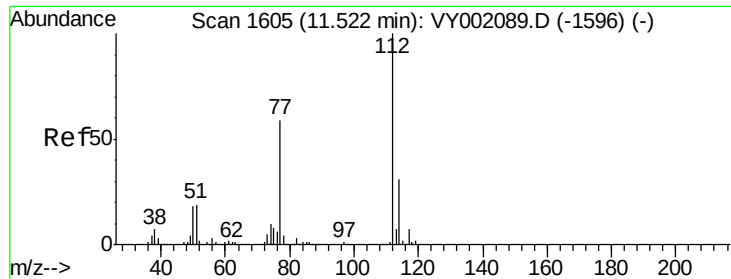
MMDadoda
4/2/2020 10:12:58 AM



#64
Tetrachloroethene
Concen: 21.583 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	104.0	156.0
129	97.2	81.2	121.8
131	93.7	75.8	113.6





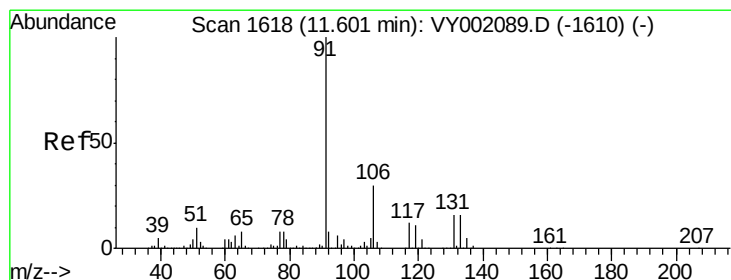
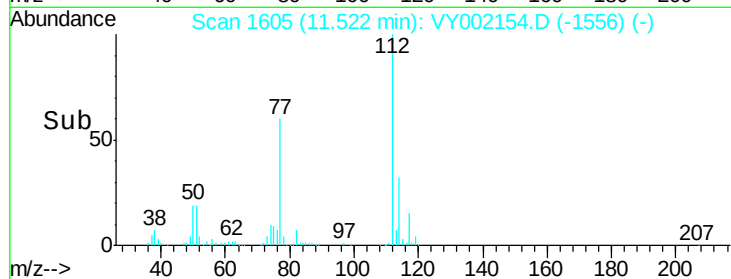
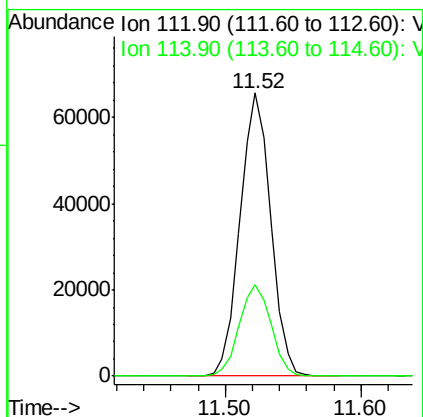
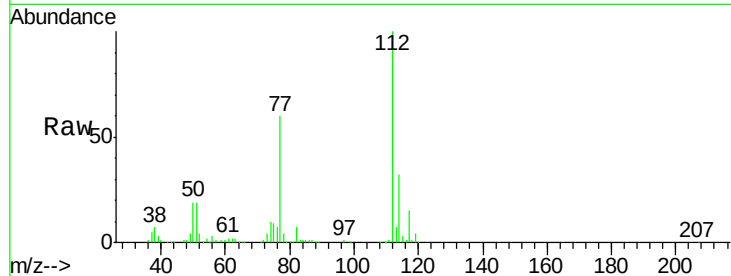
#65
Chlorobenzene
Concen: 20.593 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.9	37.3

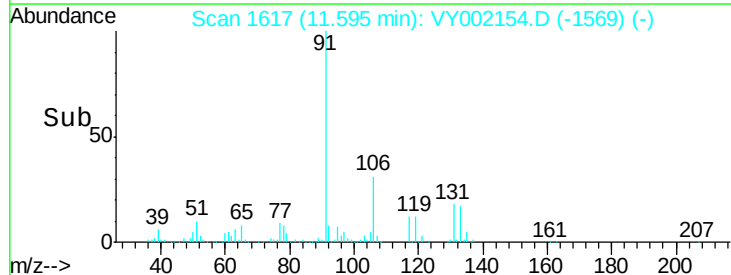
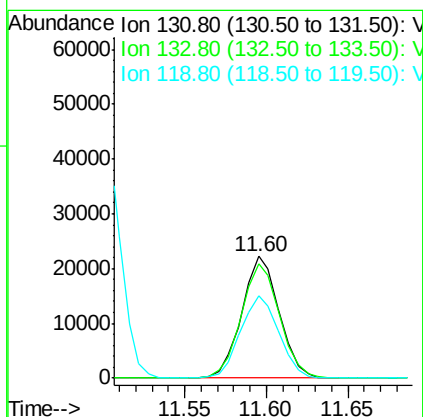
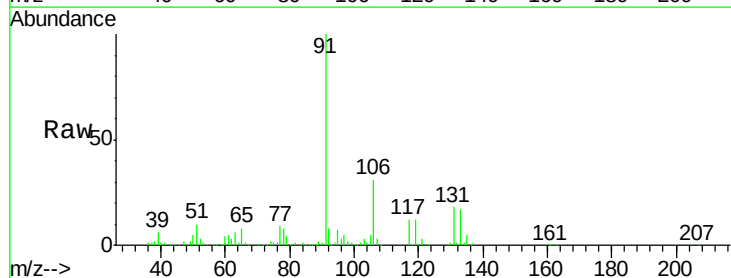
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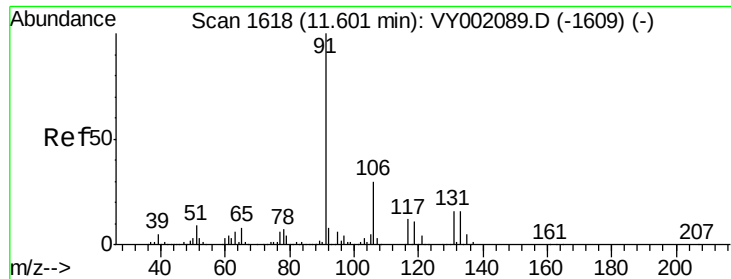
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4/2/2020 10:12:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.102 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.5	142.5
119	69.0	34.6	103.9





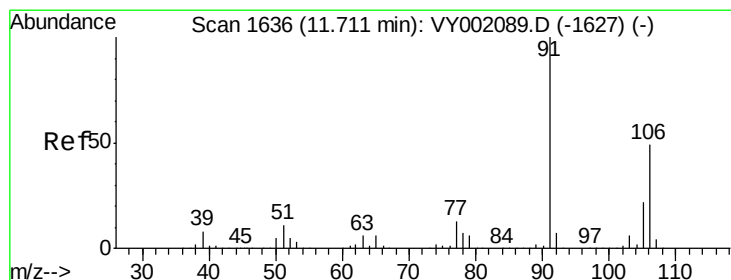
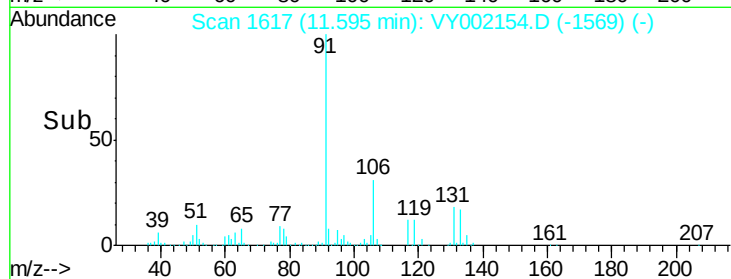
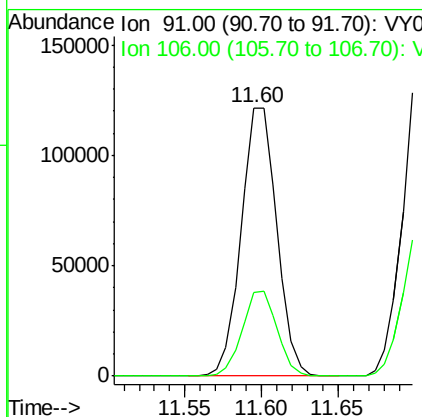
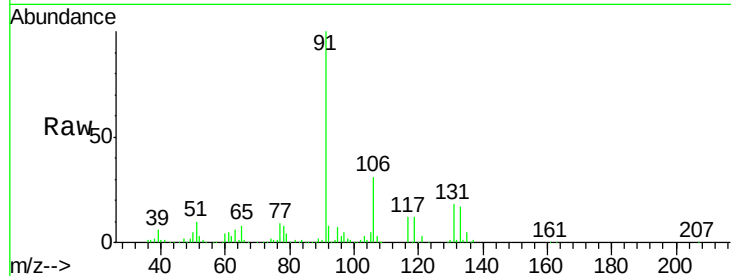
#67
Ethyl Benzene
Concen: 21.057 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion: 91 Resp: 196323
Ion Ratio Lower Upper
91 100
106 31.4 24.1 36.1

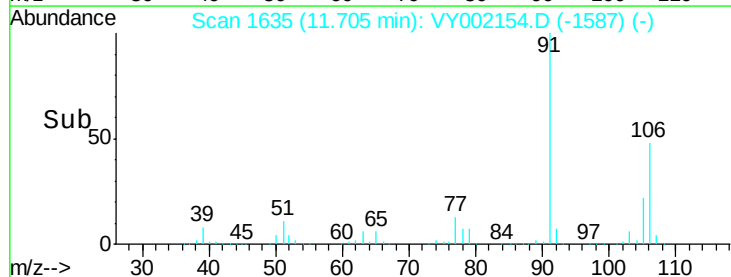
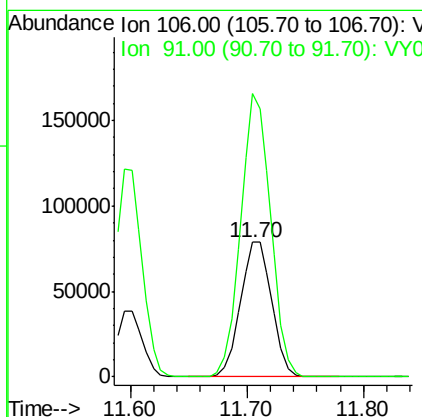
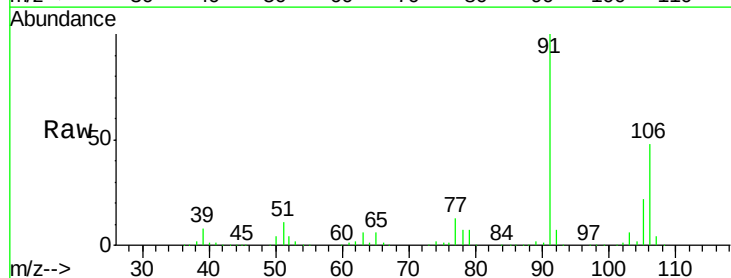
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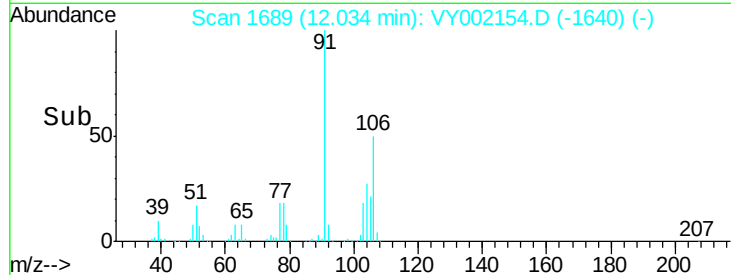
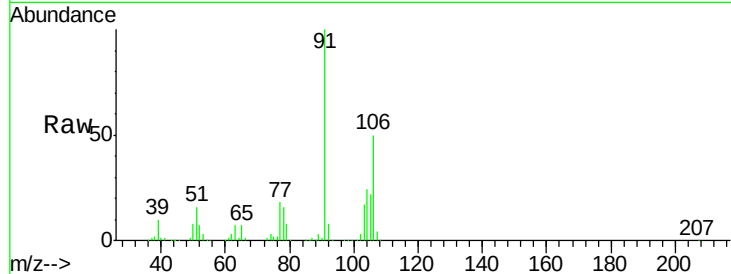
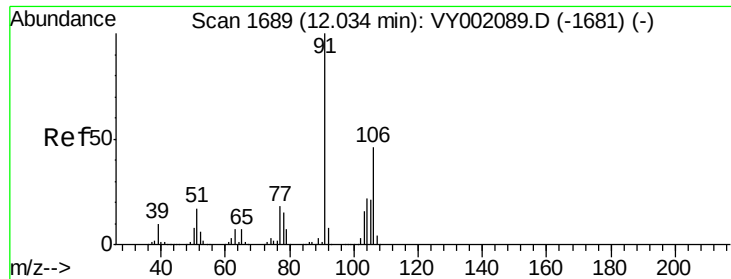
MMDadoda
4/2/2020 10:12:58 AM



#68
m/p-Xylenes
Concen: 42.640 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion: 106 Resp: 146988
Ion Ratio Lower Upper
106 100
91 201.4 162.8 244.2





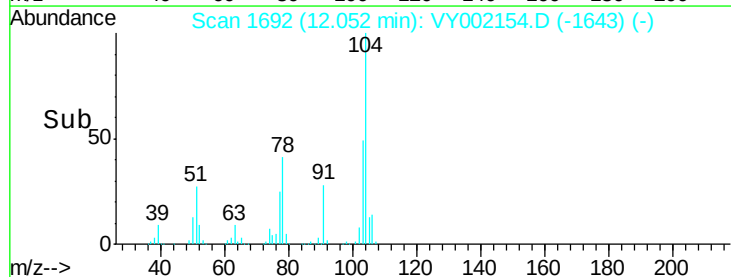
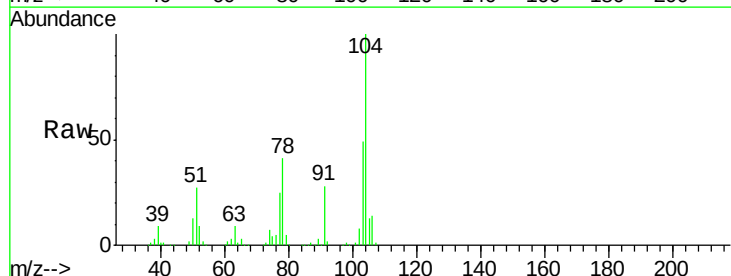
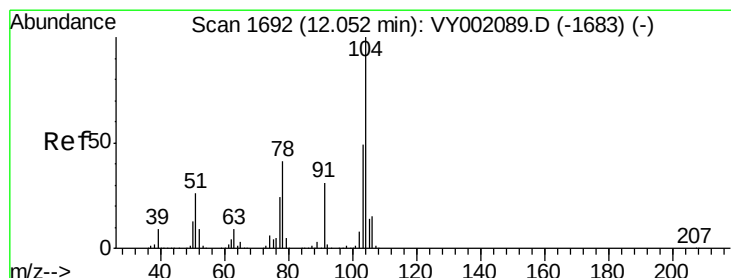
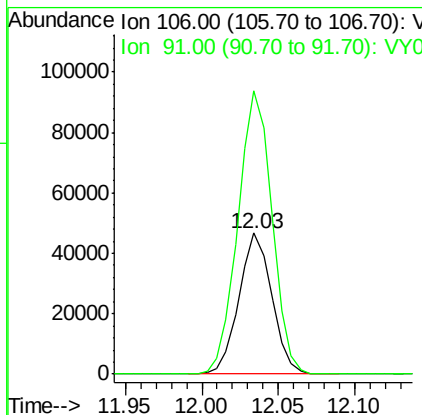
#69
o-Xylene
Concen: 21.284 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tot Ion: 106 Resp: 69599
Ion Ratio Lower Upper
106 100
91 208.3 107.3 321.8

Instrument :
MSVOA_Y
ClientSampled :
VY0401SBS01

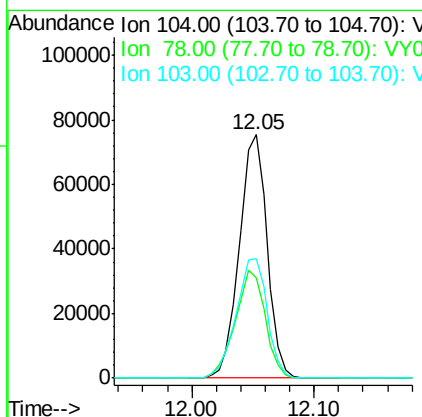
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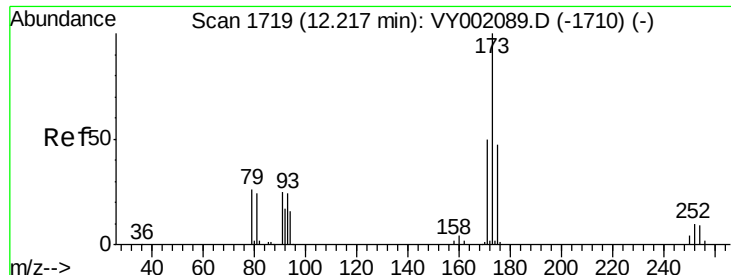
MMDadoda
4/2/2020 10:12:58 AM



#70
Styrene
Concen: 20.927 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion: 104 Resp: 118577
Ion Ratio Lower Upper
104 100
78 47.7 37.9 56.9
103 55.1 43.2 64.8





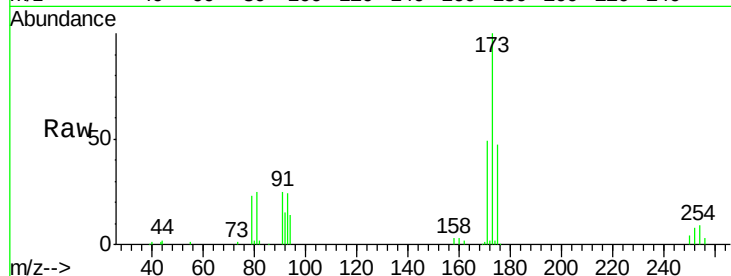
#71
Bromoform
Concen: 21.209 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

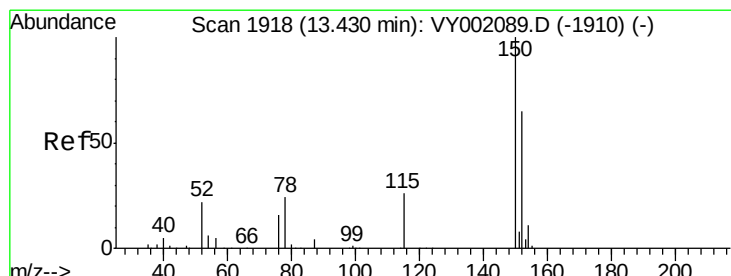
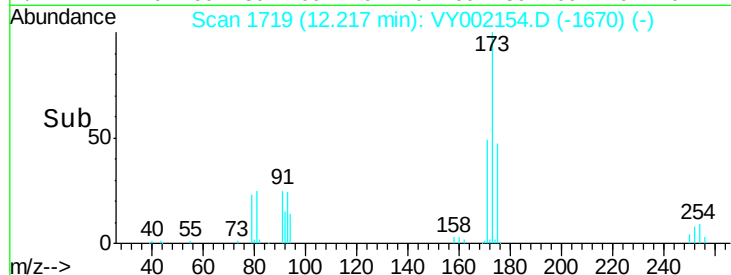
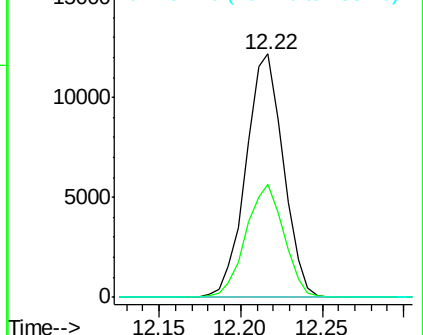
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.9	71.8
254	0.0	0.0	0.0

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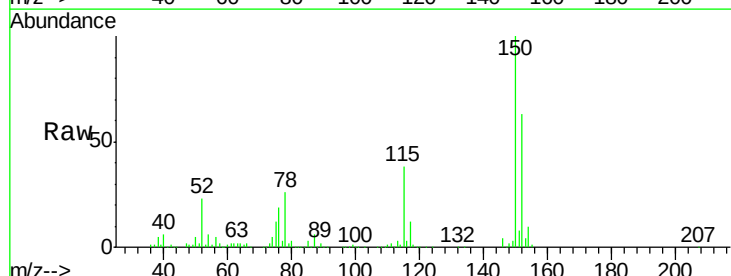


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

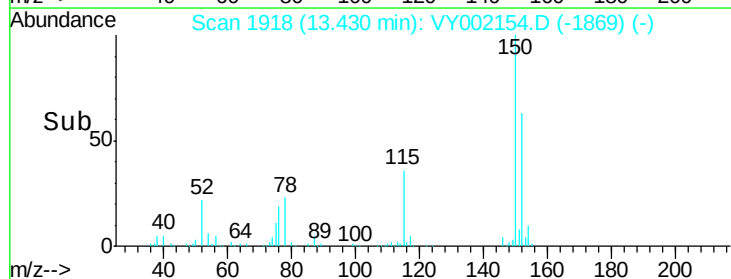
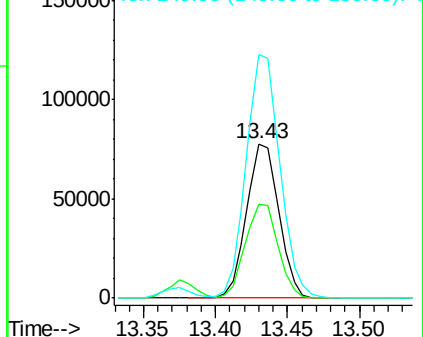


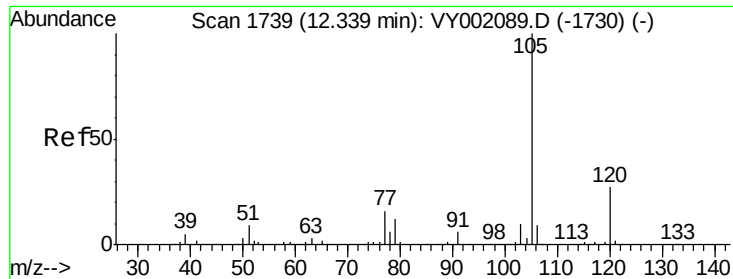
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.2	93.6
150	165.4	0.0	354.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.710 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0401SBS01

Tot Ion:105 Resp: 184557

Ion Ratio Lower Upper

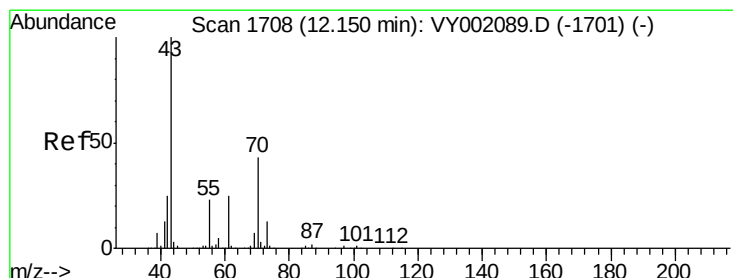
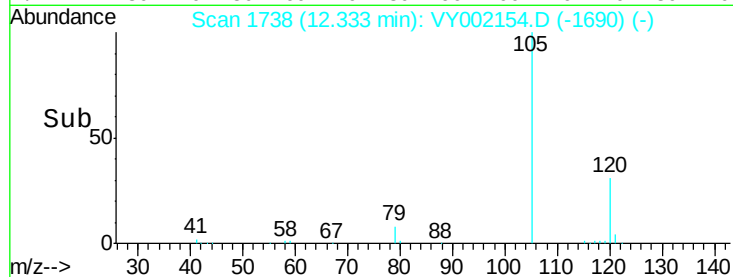
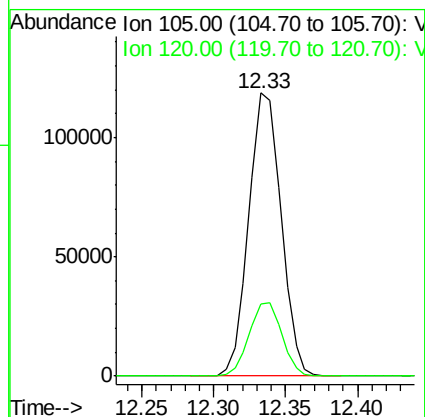
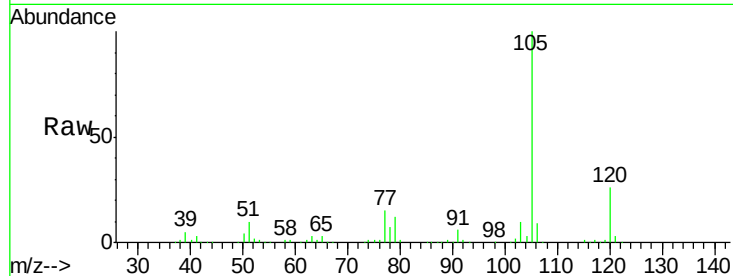
105 100

120 26.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.782 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Tgt Ion: 43 Resp: 55602

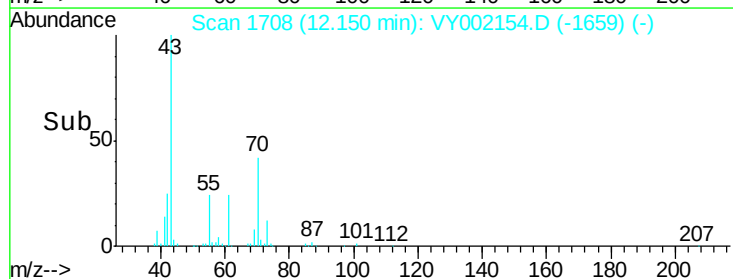
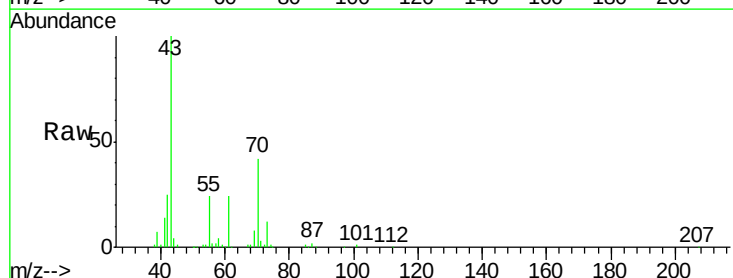
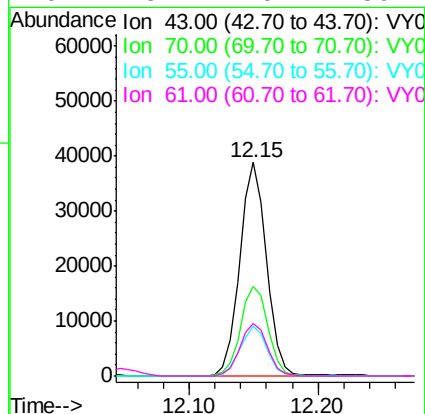
Ion Ratio Lower Upper

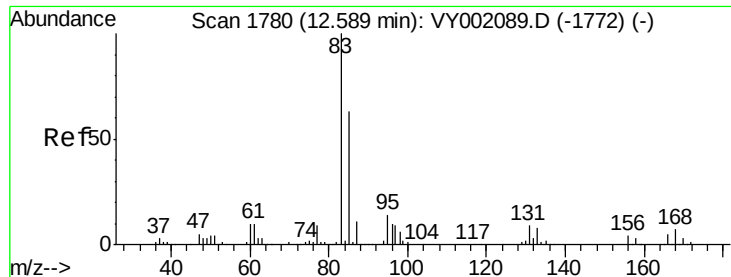
43 100

70 43.3 35.0 52.4

55 23.6 18.7 28.1

61 25.1 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.900 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

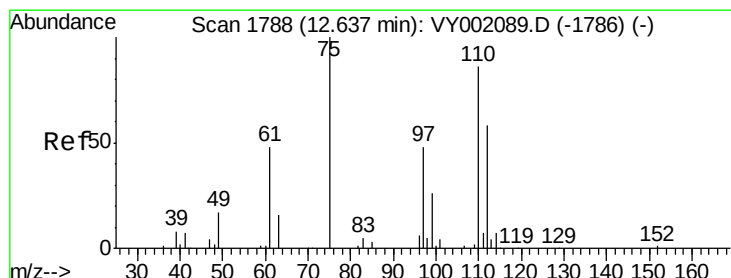
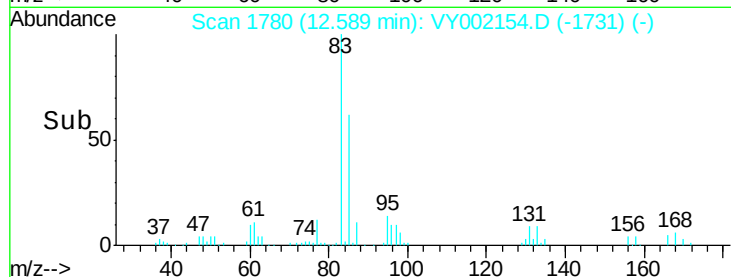
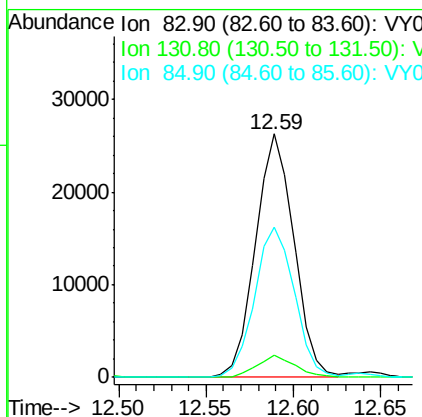
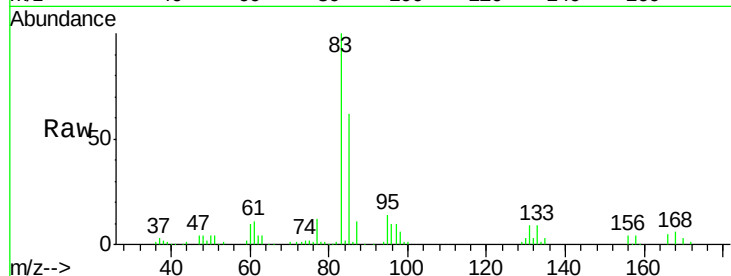
VY0401SBS01

Tot Ion:	83	Resp:	40079
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.7	14.1
85	63.8	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.396 ug/l m

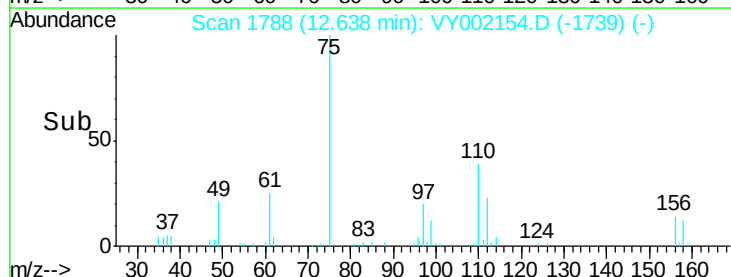
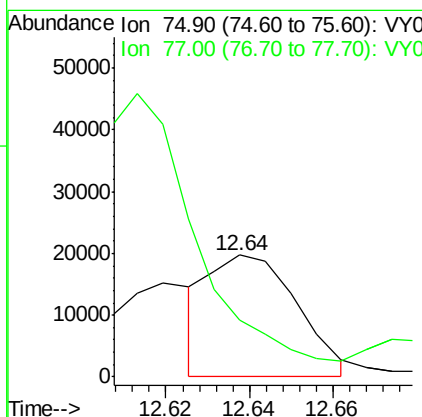
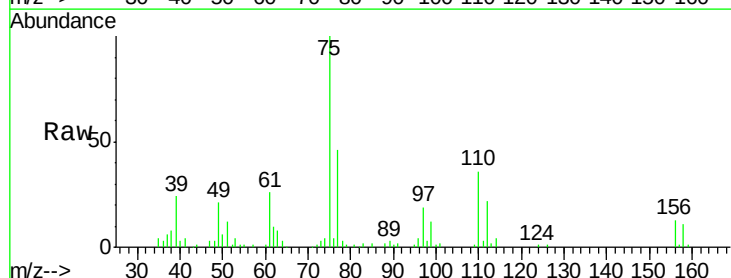
RT: 12.64 min Scan# 1788

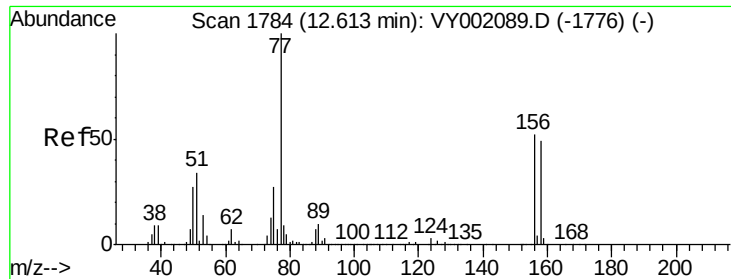
Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Tgt Ion:	75	Resp:	28753
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.521 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampled :

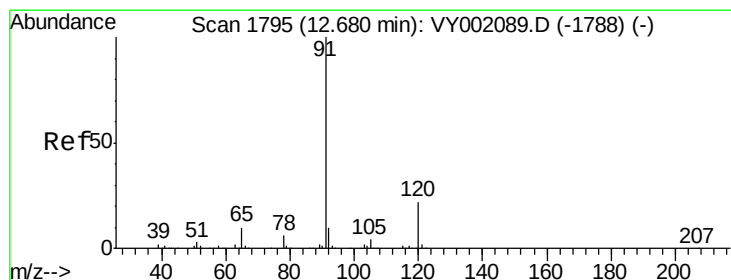
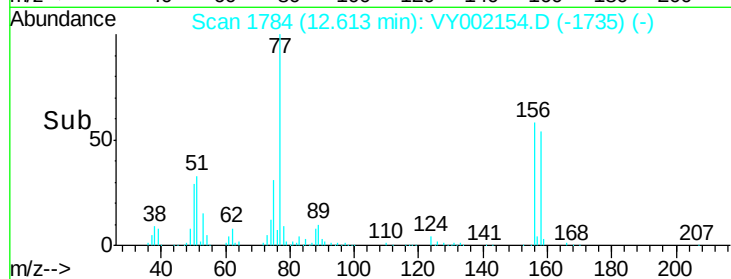
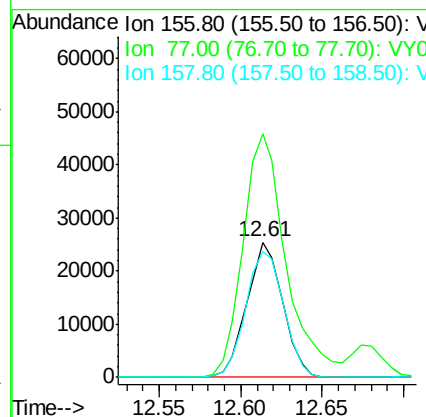
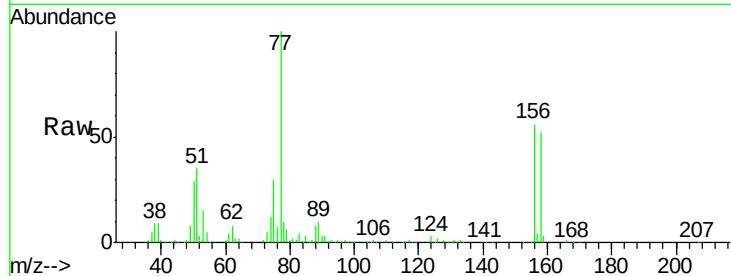
VY0401SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	216.8	107.8	323.6
158	98.8	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.894 ug/l

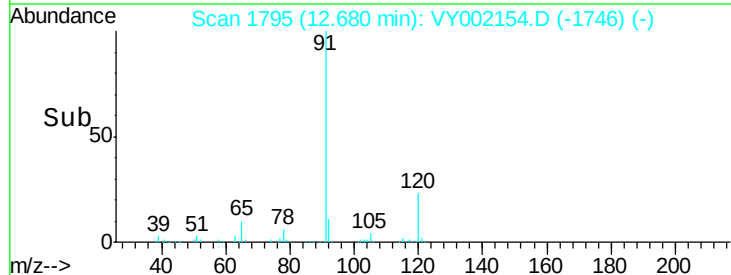
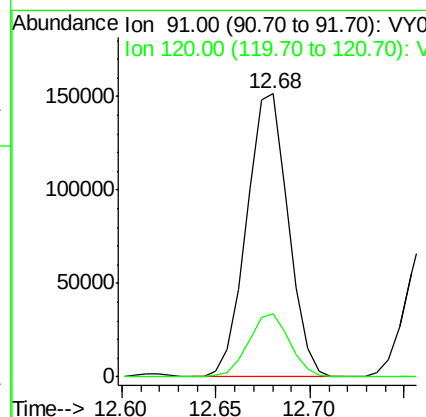
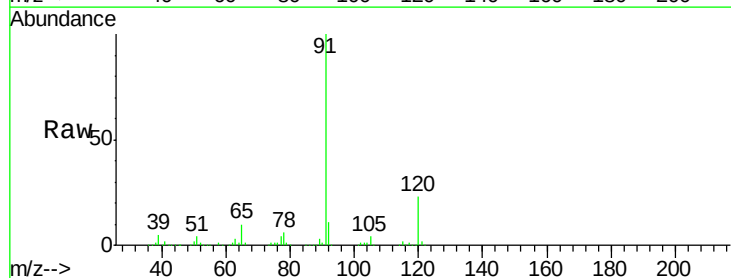
RT: 12.68 min Scan# 1795

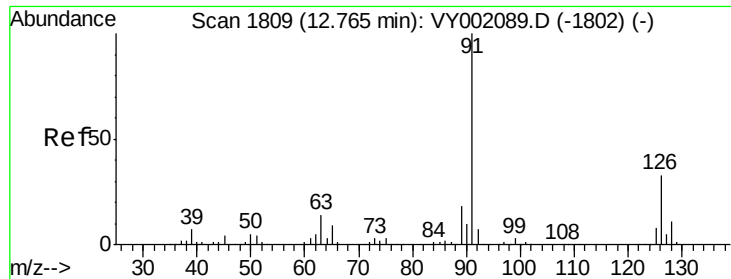
Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





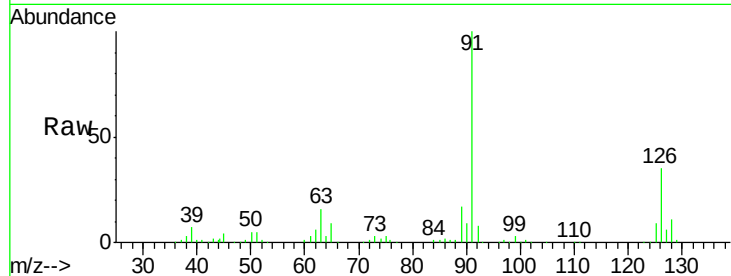
#79
 2-Chlorotoluene
 Concen: 20.468 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

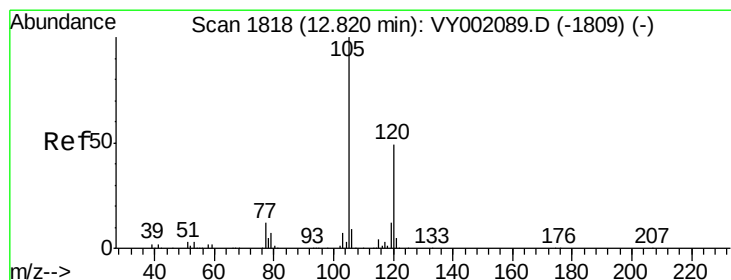
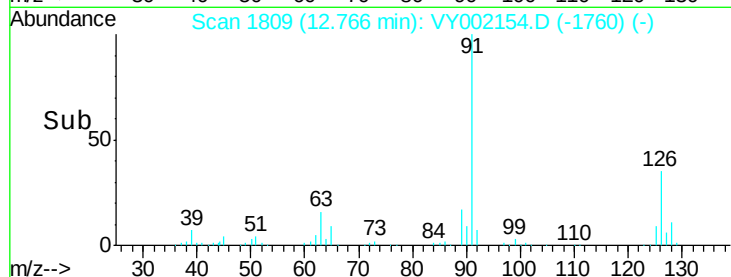
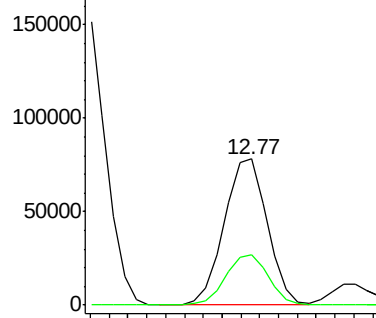
Tot Ion: 91 Resp: 124282
 Ion Ratio Lower Upper
 91 100
 126 34.2 16.4 49.1

Manual Integrations
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MMDadoda
 4/2/2020 10:12:58 AM

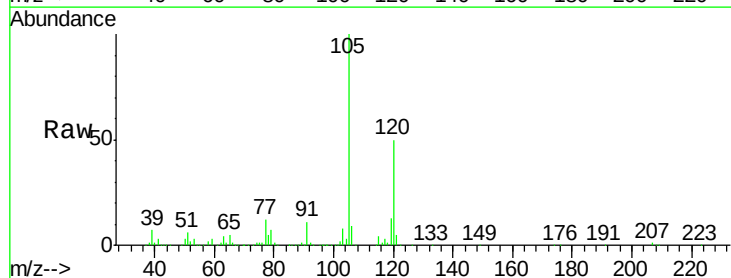


Abundance Ion 91.00 (90.70 to 91.70): VY002089.D (-1802) (-)
 Ion 125.90 (125.60 to 126.60): VY002154.D (-1760) (-)

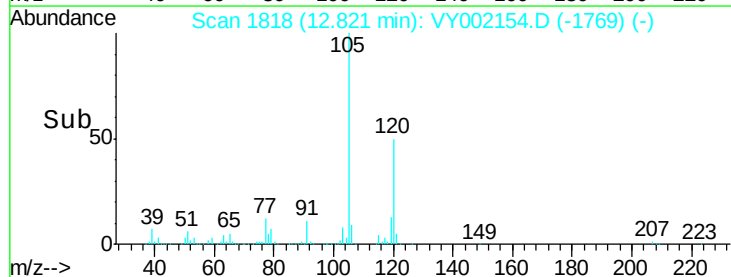
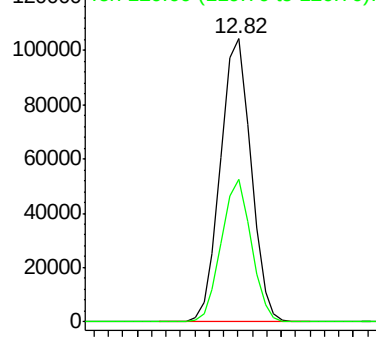


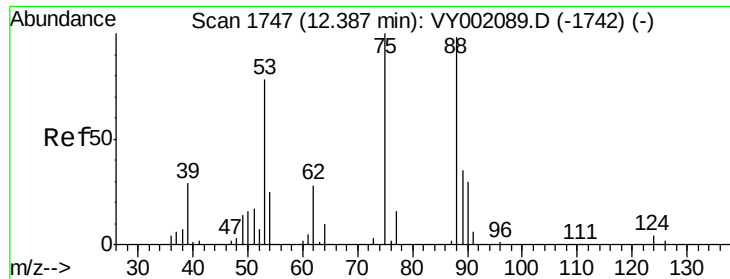
#80
 1,3,5-Trimethylbenzene
 Concen: 20.796 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion: 105 Resp: 152900
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002089.D (-1809) (-)
 Ion 120.00 (119.70 to 120.70): VY002154.D (-1769) (-)





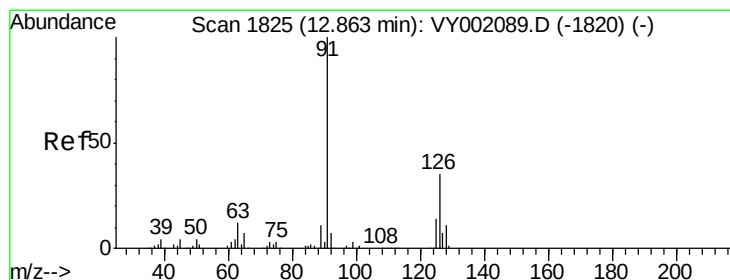
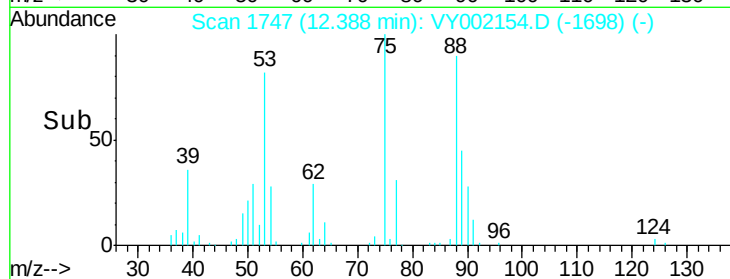
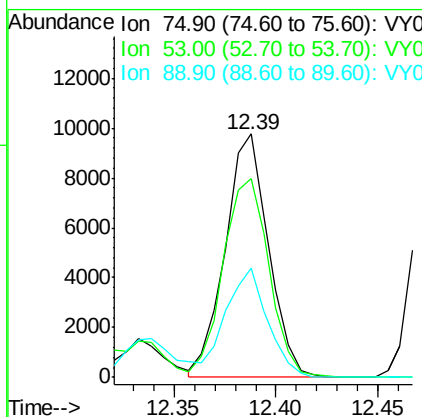
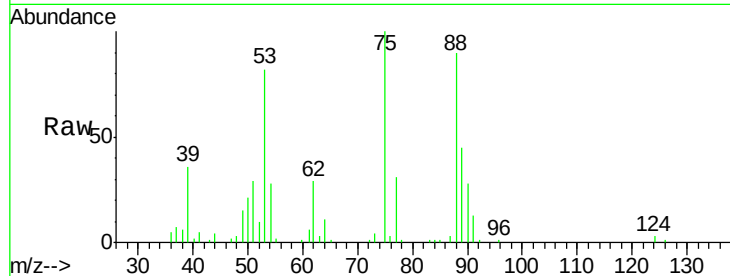
#81
trans-1,4-Dichloro-2-butene
Concen: 20.672 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.6	65.0	97.4
89	43.0	33.4	50.0

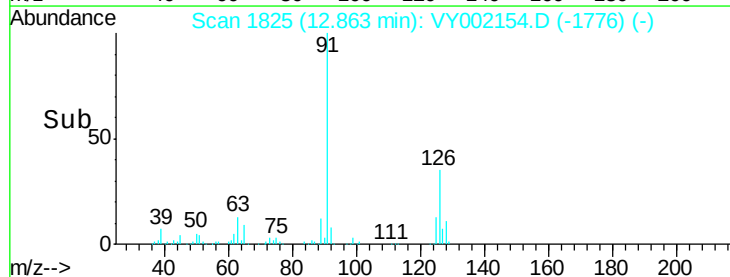
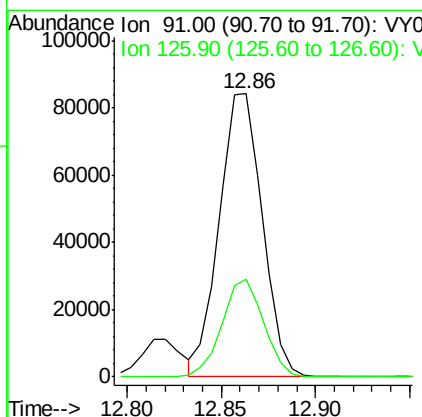
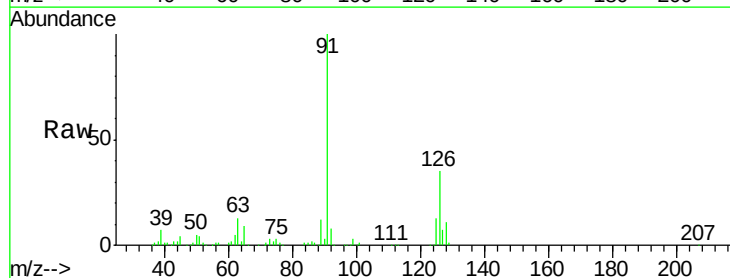
Manual Integrations
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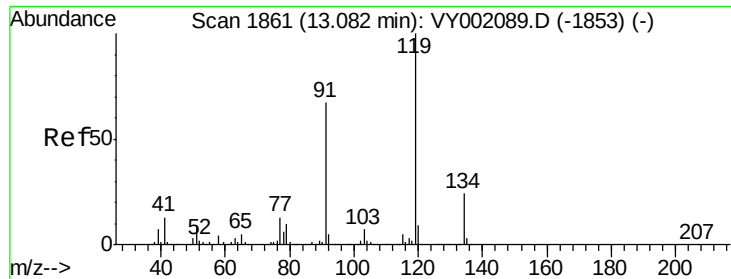
MMDadoda
4/2/2020 10:12:58 AM



#82
4-Chlorotoluene
Concen: 20.839 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.3	48.9





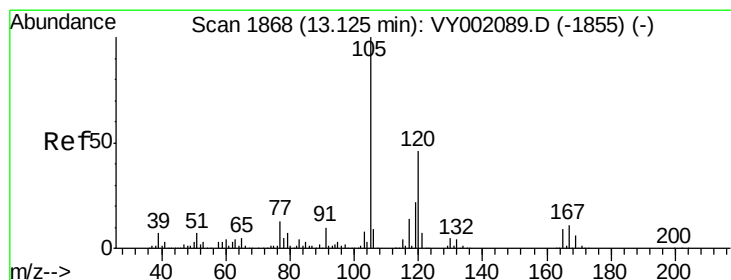
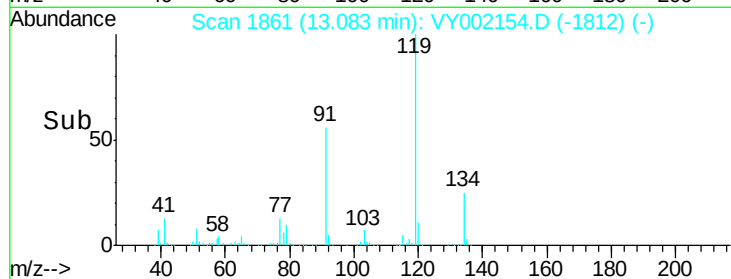
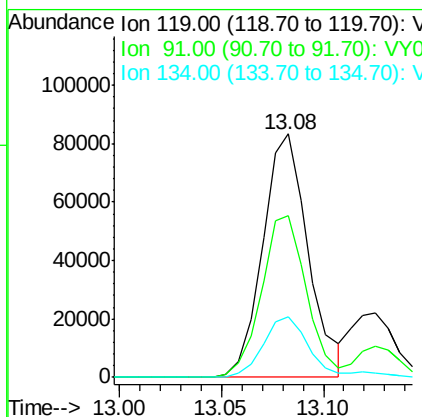
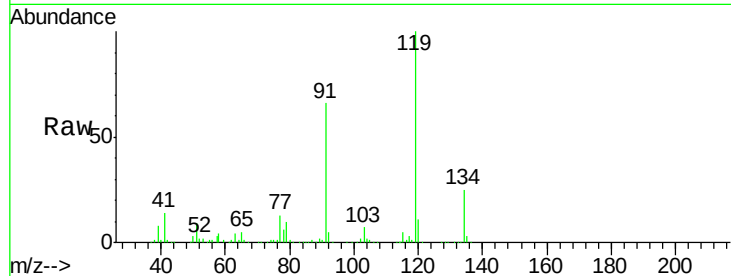
#83
 tert-Butylbenzene
 Concen: 21.122 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampled :
 VY0401SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.9	98.6
134	26.1	13.0	38.9

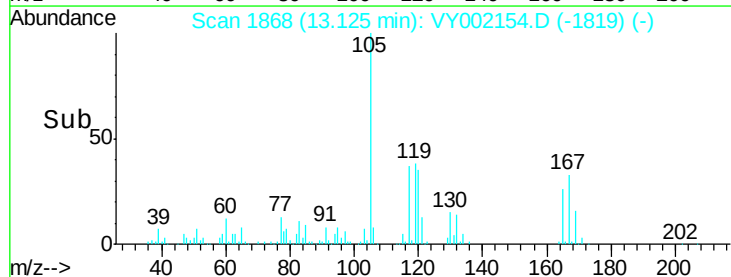
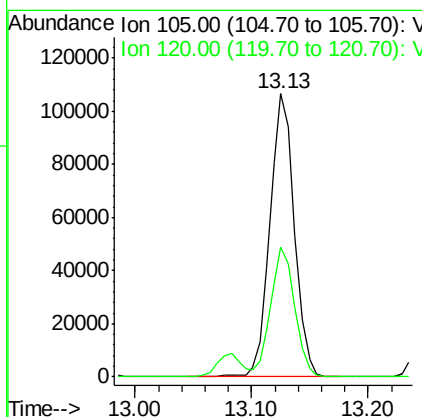
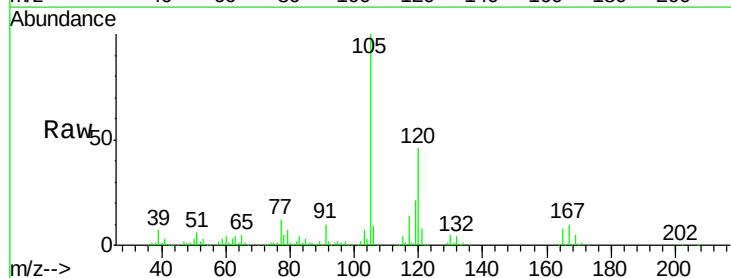
Manual Integrations
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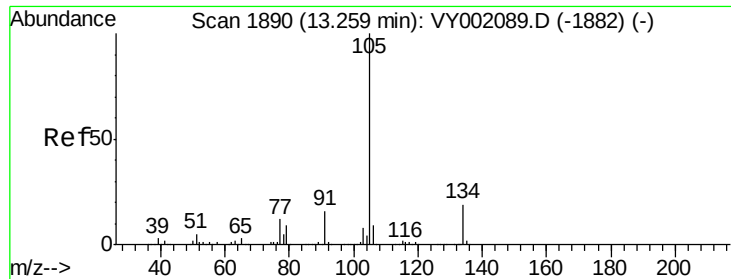
MMDadoda
 4/2/2020 10:12:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.180 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.9	68.5





#85

sec-Butylbenzene

Concen: 21.176 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampled :

VY0401SBS01

Tot Ion:105 Resp: 192491

Ion Ratio Lower Upper

105 100

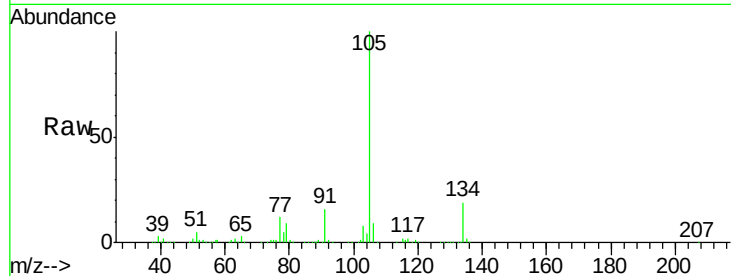
134 19.4 9.7 29.1

Manual Integrations

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MMDadoda

4/2/2020 10:12:58 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

100000

50000

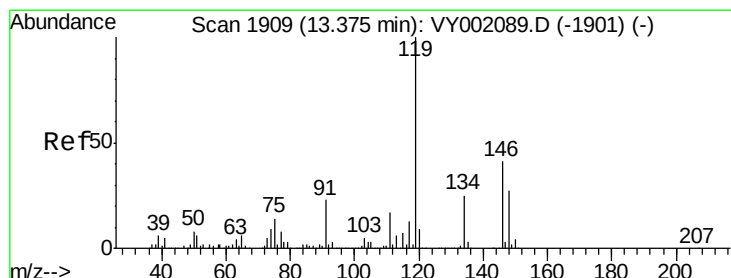
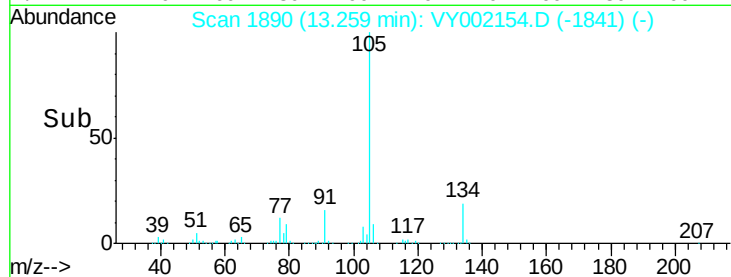
0

13.26

13.20

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 21.409 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

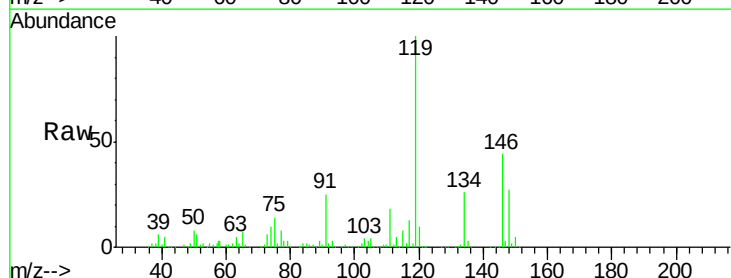
Tgt Ion:119 Resp: 167121

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 24.1 11.8 35.3



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

150000

100000

50000

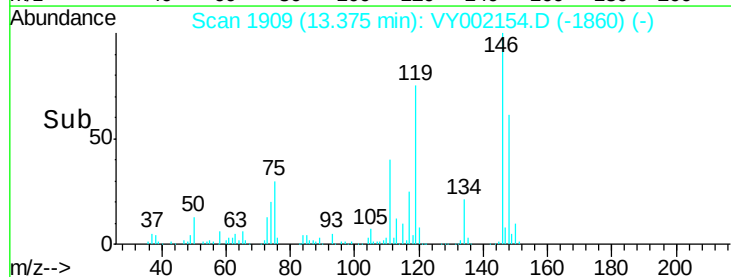
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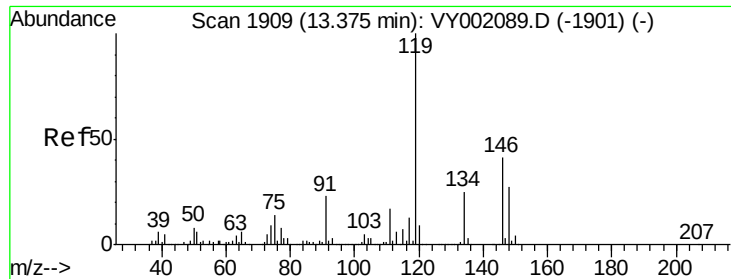
13.38

13.30

13.40

Time-->





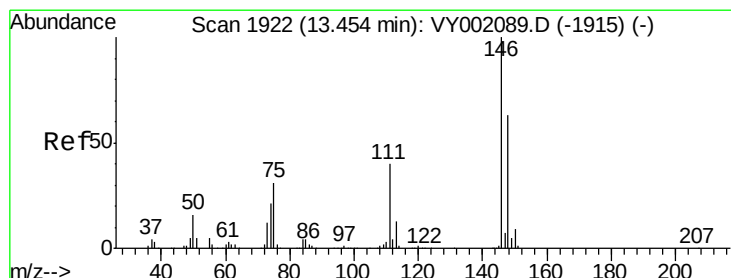
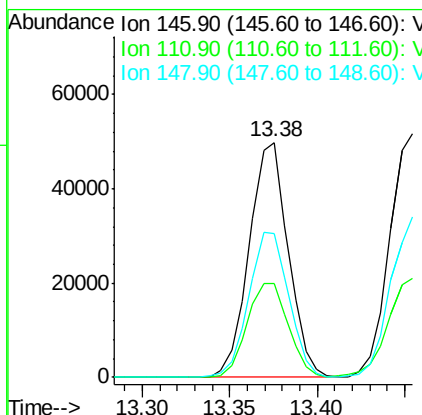
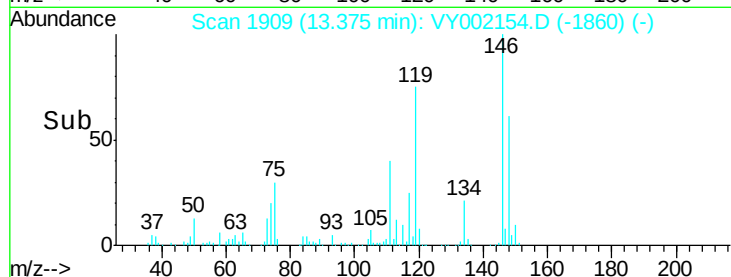
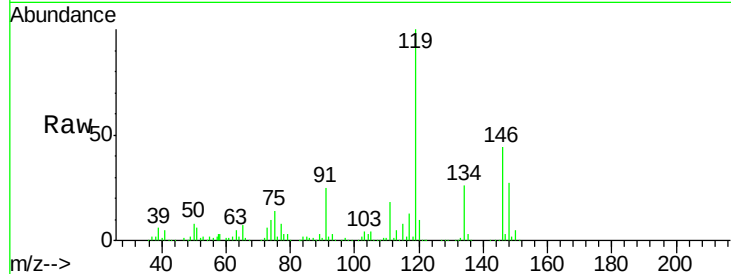
#87
 1,3-Dichlorobenzene
 Concen: 20.758 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	63.4	32.1	96.5

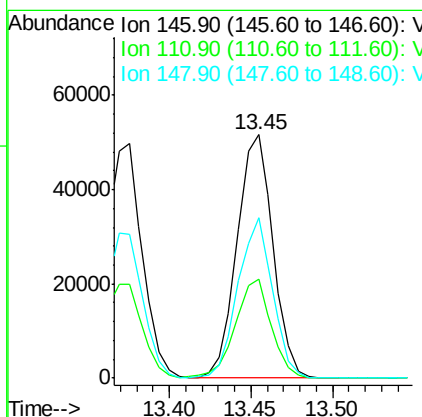
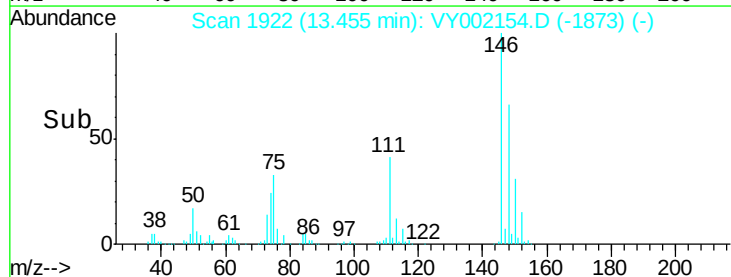
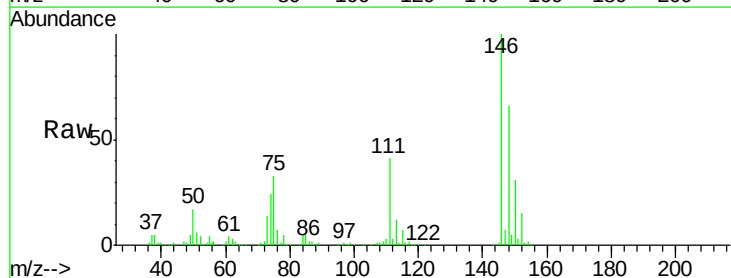
Manual Integrations
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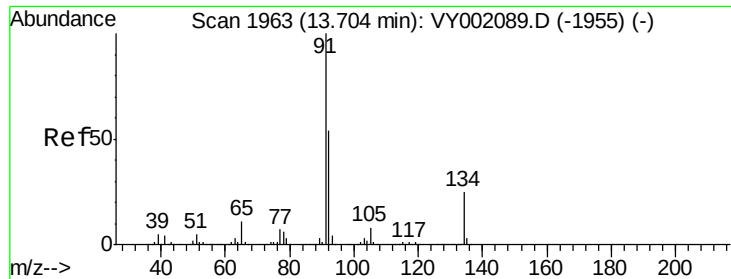
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#88
 1,4-Dichlorobenzene
 Concen: 21.181 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.9
148	63.4	31.5	94.5





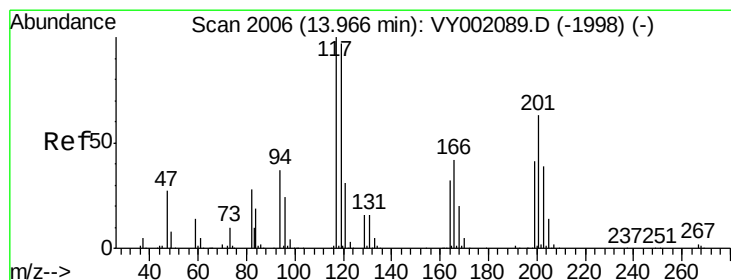
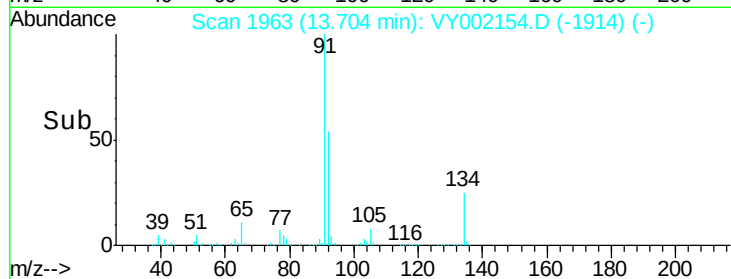
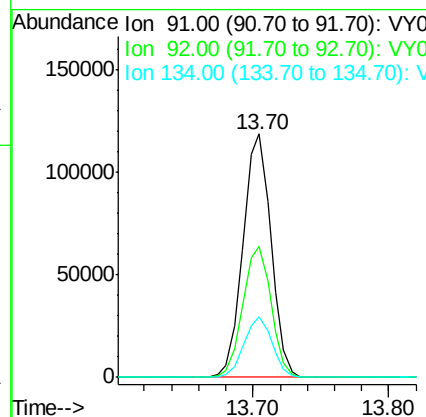
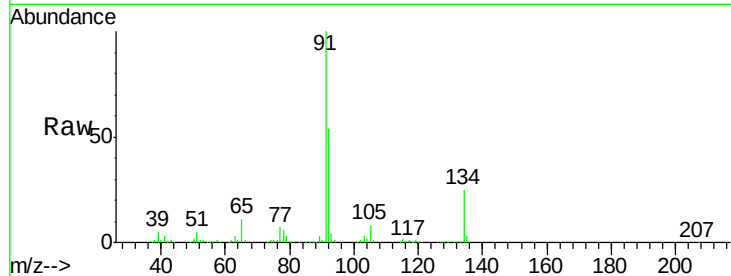
#89
n-Butylbenzene
Concen: 21.020 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	170967		
92	54.0	27.0	81.0	
134	25.0	12.3	36.8	

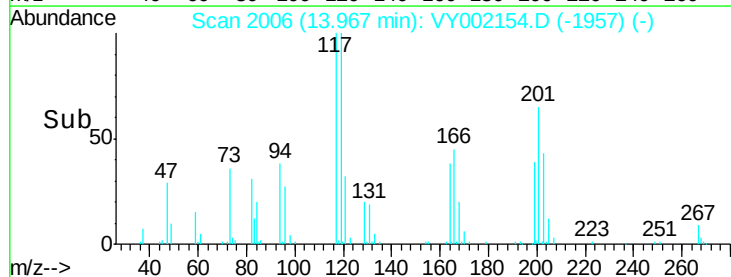
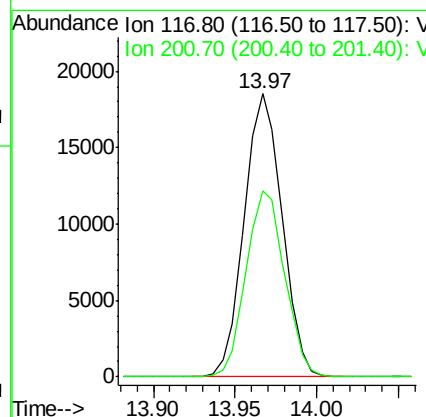
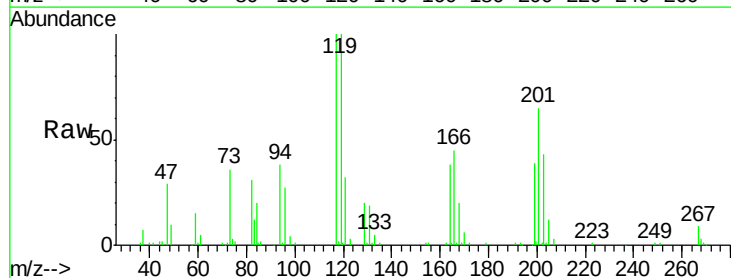
Manual Integrations
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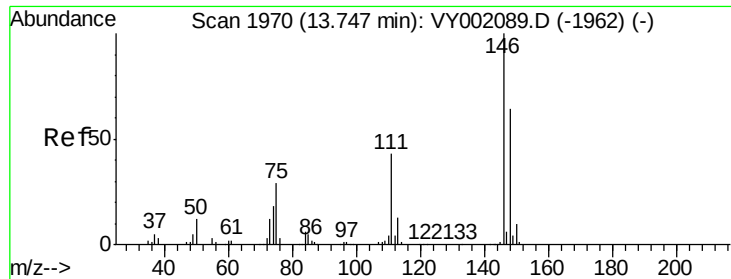
MMDadoda
4/2/2020 10:12:58 AM



#90
Hexachloroethane
Concen: 20.414 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY002154.D
Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30027		
201	67.0	31.6	94.8	





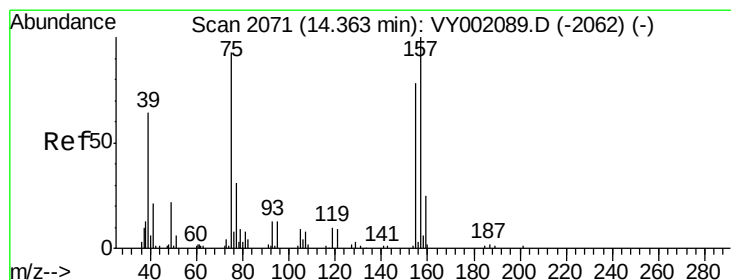
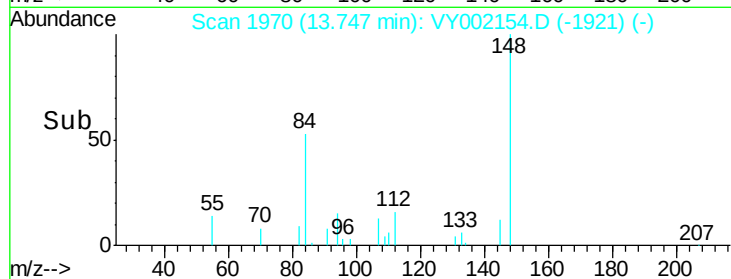
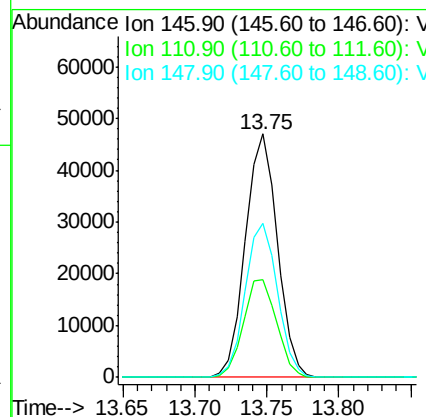
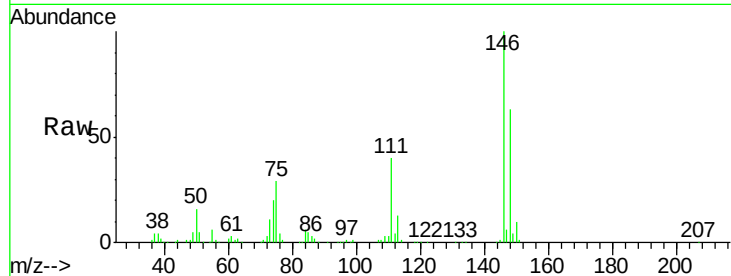
#91
 1,2-Dichlorobenzene
 Concen: 21.055 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	63.7
148	63.7	31.8	95.4

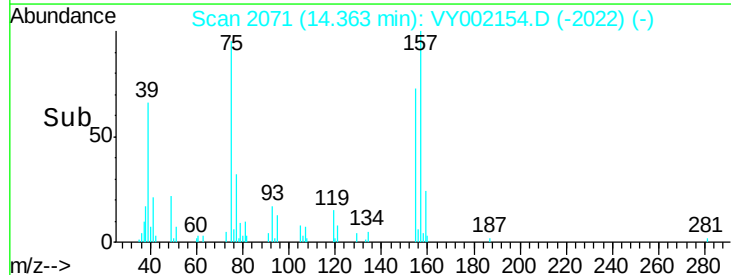
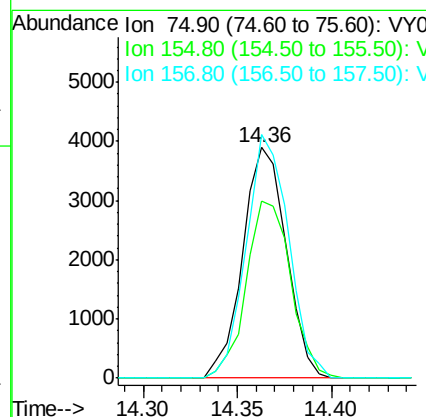
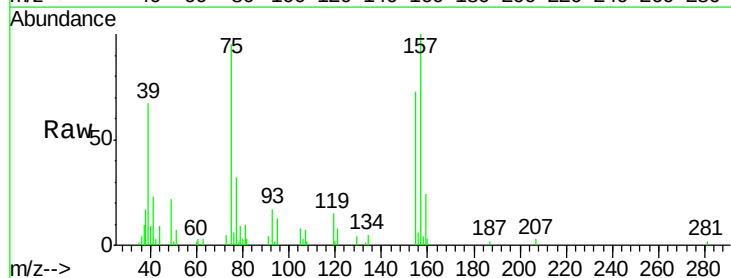
Manual Integrations
 APPROVED

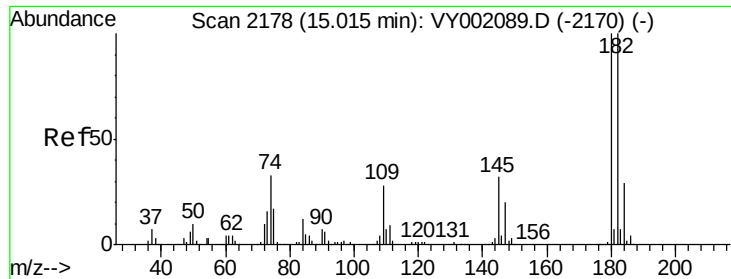
MMDadoda
 4/2/2020 10:12:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.317 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	41.6	124.9
157	102.8	53.4	160.3





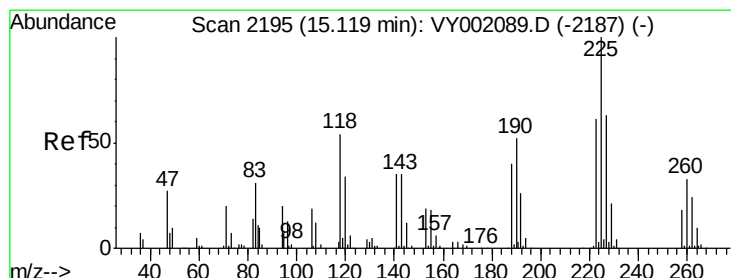
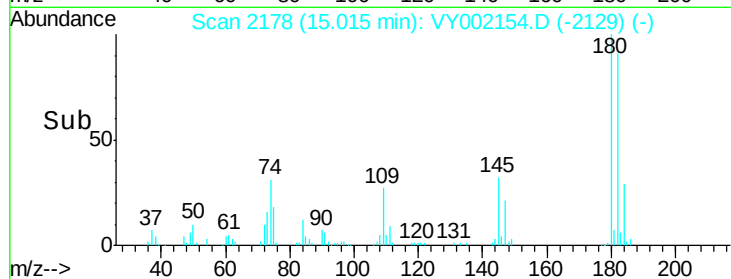
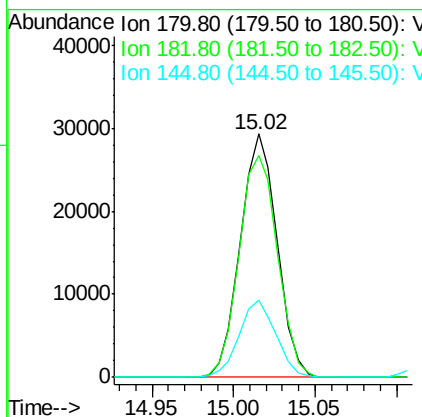
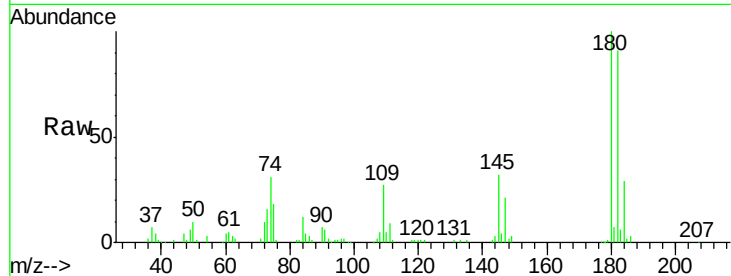
#93
 1,2,4-Trichlorobenzene
 Concen: 20.690 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.1	144.3
145	31.9	15.9	47.6

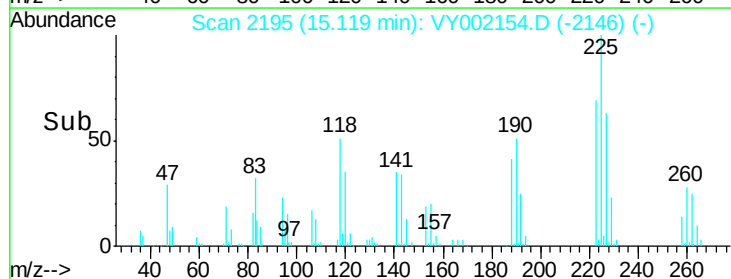
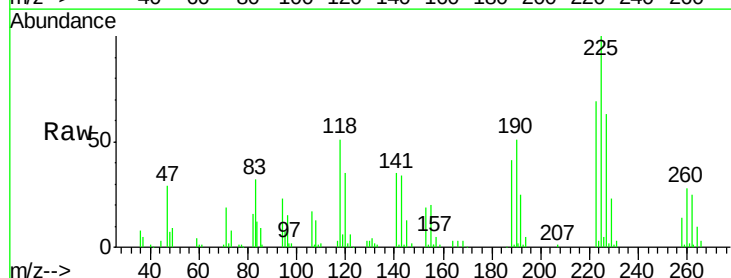
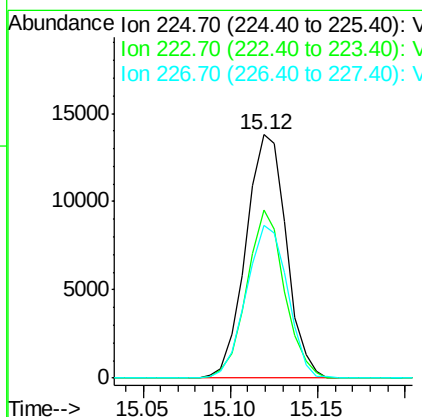
Manual Integrations
 APPROVED

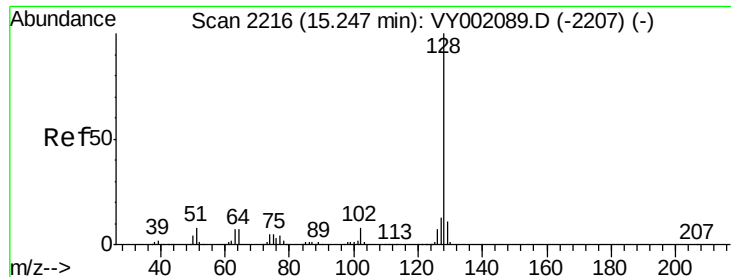
MMDadoda
 4/2/2020 10:12:58 AM



#94
 Hexachlorobutadiene
 Concen: 20.430 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY002154.D
 Acq: 01 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.1	93.3
227	63.8	31.6	94.7





#95

Naphthalene

Concen: 19.917 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Instrument :

MSVOA_Y

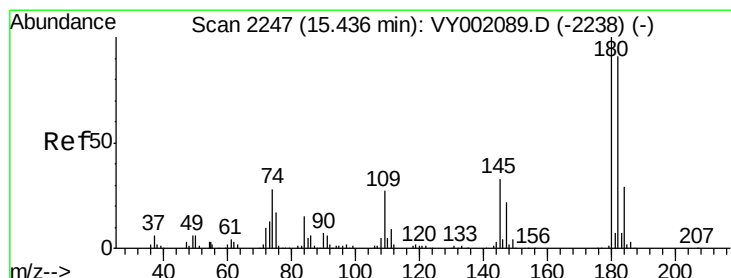
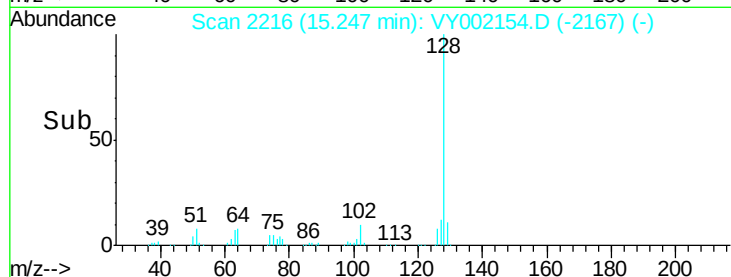
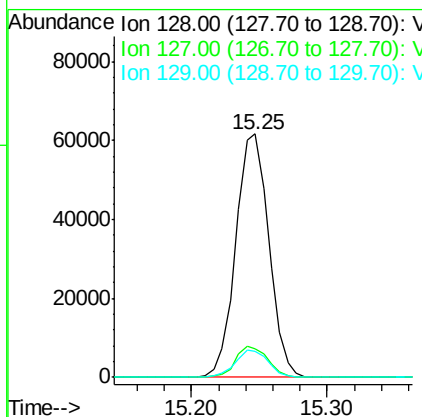
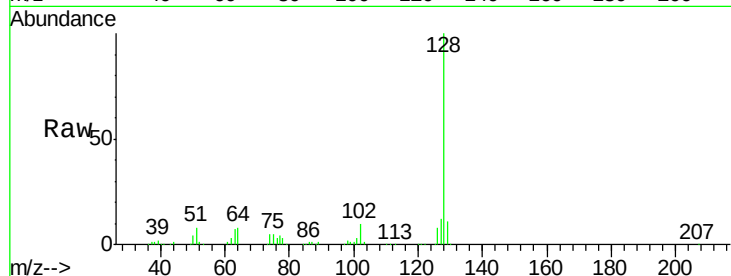
ClientSampleId :

VY0401SBS01

Tot Ion:	128	Resp:	104791
Ion Ratio	Lower	Upper	
128	100		
127	12.5	9.8	14.8
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/2/2020 10:12:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.927 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002154.D

Acq: 01 Apr 2020 11:59

Tgt Ion:	180	Resp:	40029
Ion Ratio	Lower	Upper	
180	100		
182	94.3	46.8	140.3
145	33.6	16.7	50.1

