

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003165.D
 Acq On : 10 Jul 2020 15:57
 Operator : SY/MD
 Sample : VY0710SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:49 AM

Quant Time: Jul 11 06:22:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	495349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	720813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	663544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	354751	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	194506	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	7.72	113	189235	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
50) Toluene-d8	10.18	98	699468	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
62) 4-Bromofluorobenzene	12.48	95	251802	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	77374	21.794	ug/l	100
3) Chloromethane	2.11	50	101416	20.594	ug/l	100
4) Vinyl Chloride	2.26	62	104415	20.665	ug/l	99
5) Bromomethane	2.64	94	81766	21.787	ug/l	97
6) Chloroethane	2.79	64	67212	20.253	ug/l	95
7) Trichlorofluoromethane	3.13	101	146573	20.313	ug/l	92
8) Diethyl Ether	3.54	74	49086	20.301	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	90311	20.723	ug/l	97
10) Methyl Iodide	4.10	142	92852	19.611	ug/l	99
11) Tert butyl alcohol	4.97	59	44583	98.615	ug/l	100
12) 1,1-Dichloroethene	3.88	96	83830	20.337	ug/l	95
13) Acrolein	3.73	56	39889	101.653	ug/l	99
14) Allyl chloride	4.49	41	124699	20.388	ug/l	100
15) Acrylonitrile	5.18	53	118077	101.659	ug/l	99
16) Acetone	3.95	43	95377	102.128	ug/l	99
17) Carbon Disulfide	4.20	76	258587	20.444	ug/l	98
18) Methyl Acetate	4.49	43	52106	20.091	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	231747	20.062	ug/l	96
20) Methylene Chloride	4.72	84	104756	18.873	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	93538	20.063	ug/l	99
22) Diisopropyl ether	6.13	45	276448	20.365	ug/l	98
23) Vinyl Acetate	6.07	43	912328	100.836	ug/l	99
24) 1,1-Dichloroethane	6.03	63	159702	20.307	ug/l	99
25) 2-Butanone	6.99	43	154815	100.964	ug/l	97
26) 2,2-Dichloropropane	6.99	77	141620	19.996	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	105919	20.634	ug/l	97
28) Bromochloromethane	7.35	49	71905	21.118	ug/l	100
29) Tetrahydrofuran	7.35	42	104276	101.230	ug/l	99
30) Chloroform	7.51	83	163944	20.241	ug/l	97
31) Cyclohexane	7.79	56	152986	20.117	ug/l	# 91
32) 1,1,1-Trichloroethane	7.71	97	145806	19.996	ug/l	99
36) 1,1-Dichloropropene	7.92	75	129339	19.798	ug/l	100
37) Ethyl Acetate	7.08	43	70764	20.114	ug/l	97
38) Carbon Tetrachloride	7.91	117	135202	20.047	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	164634	20.061	ug/l	96
40) Benzene	8.16	78	359000	19.957	ug/l	96
41) Methacrylonitrile	7.33	41	41823m	19.738	ug/l	
42) 1,2-Dichloroethane	8.24	62	112116	20.245	ug/l	99
43) Isopropyl Acetate	8.28	43	136745	20.080	ug/l	100
44) Trichloroethene	8.94	130	109561	19.868	ug/l	93
45) 1,2-Dichloropropane	9.22	63	93640	20.118	ug/l	100
46) Dibromomethane	9.31	93	53488	19.675	ug/l	96
47) Bromodichloromethane	9.50	83	129361	20.007	ug/l	97
48) Methyl methacrylate	9.30	41	59170	19.436	ug/l	98
49) 1,4-Dioxane	9.30	88	14192	411.326	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	351909	99.421	ug/l	100
52) Toluene	10.25	92	228596	19.882	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	135023	20.156	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	152261	19.727	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	75367	19.564	ug/l	94
56) Ethyl methacrylate	10.51	69	104044	19.866	ug/l	98
57) 1,3-Dichloropropane	10.79	76	130026	19.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	280325	104.949	ug/l	100
59) 2-Hexanone	10.83	43	250685	101.455	ug/l	99
60) Dibromochloromethane	10.99	129	96599	19.937	ug/l	99
61) 1,2-Dibromoethane	11.09	107	76222	20.047	ug/l	99
64) Tetrachloroethene	10.72	164	116362	19.668	ug/l	96
65) Chlorobenzene	11.52	112	254168	19.884	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	97502	19.639	ug/l	98
67) Ethyl Benzene	11.59	91	452181	19.812	ug/l	99
68) m/p-Xylenes	11.70	106	343655	39.683	ug/l	100
69) o-Xylene	12.03	106	162150	20.043	ug/l	99
70) Styrene	12.04	104	273444	19.758	ug/l	99
71) Bromoform	12.20	173	65412	20.074	ug/l #	99
73) Isopropylbenzene	12.33	105	444550	19.664	ug/l	100
74) N-amyl acetate	12.14	43	126018	19.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	88314	20.227	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	63338m	20.170	ug/l	
77) Bromobenzene	12.61	156	116242	20.172	ug/l	97
78) n-propylbenzene	12.67	91	531406	19.942	ug/l	100
79) 2-Chlorotoluene	12.75	91	295664	19.886	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	378292	20.077	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	30134	18.676	ug/l	99
82) 4-Chlorotoluene	12.85	91	311142	20.050	ug/l	99
83) tert-Butylbenzene	13.08	119	331484	19.938	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	379344	20.010	ug/l	100
85) sec-Butylbenzene	13.25	105	458901	20.083	ug/l	100
86) p-Isopropyltoluene	13.37	119	426004	19.966	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	217557	19.964	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	216090	20.029	ug/l	98
89) n-Butylbenzene	13.69	91	404743	20.168	ug/l	99
90) Hexachloroethane	13.96	117	77022	19.823	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	192941	20.175	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14079	19.889	ug/l	98

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ClientSampleId :
VY0710SBSD01

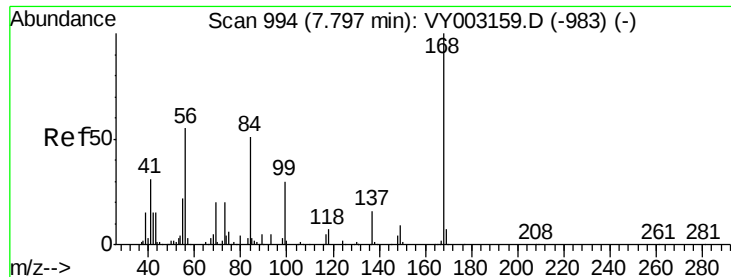
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	139558	20.513	ug/l	99
94) Hexachlorobutadiene	15.11	225	97288	20.869	ug/l	98
95) Naphthalene	15.23	128	228309	20.306	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	109461	20.354	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion:168 Resp: 495349

Ion Ratio Lower Upper

168 100

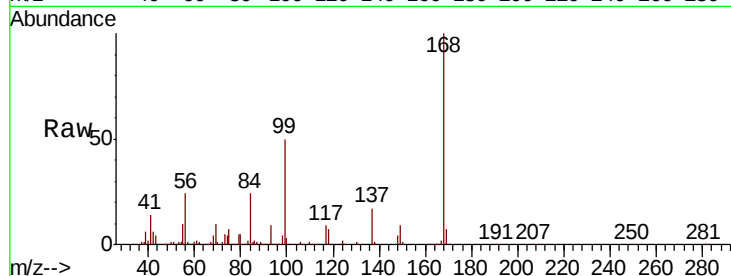
99 49.6 37.3 55.9

Manual Integrations

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7/13/2020 10:47:49 AM



Abundance Ion 167.90 (167.60 to 168.60): VY003165.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003165.D (-945) (-)

7.80

250000

200000

150000

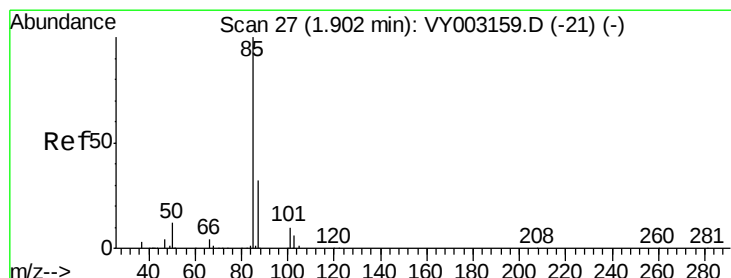
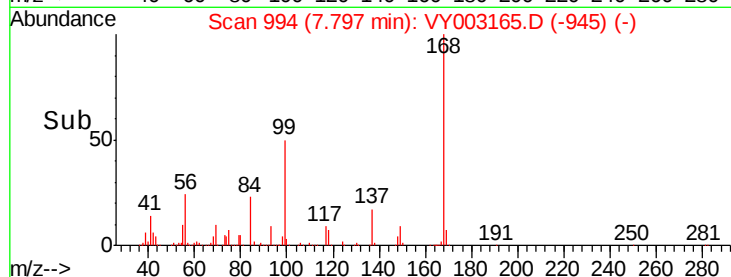
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.794 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY003165.D

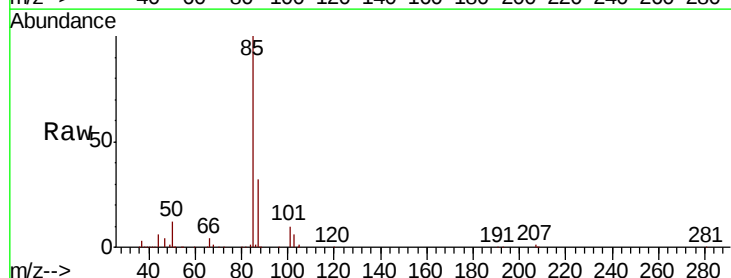
Acq: 10 Jul 2020 15:57

Tgt Ion: 85 Resp: 77374

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY003165.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003165.D (-1) (-)

1.90

60000

50000

40000

30000

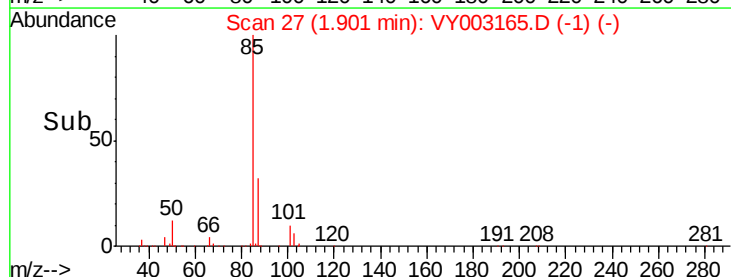
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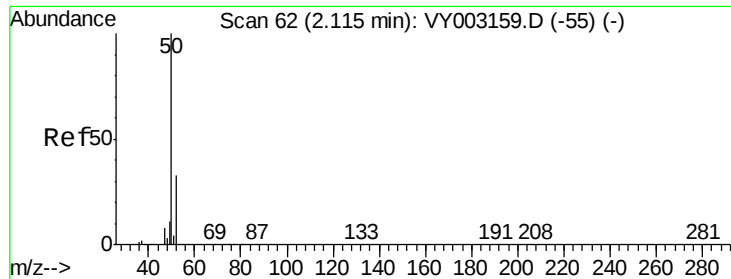
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 20.594 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 50 Resp: 101416

Ion Ratio Lower Upper

50 100

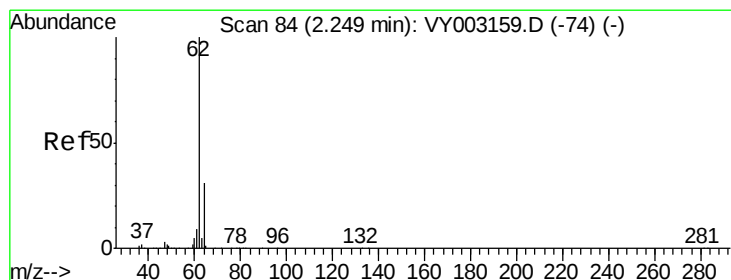
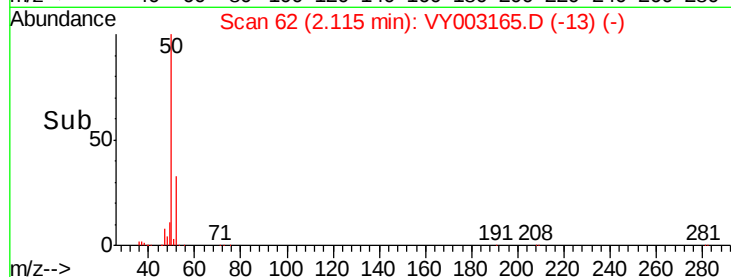
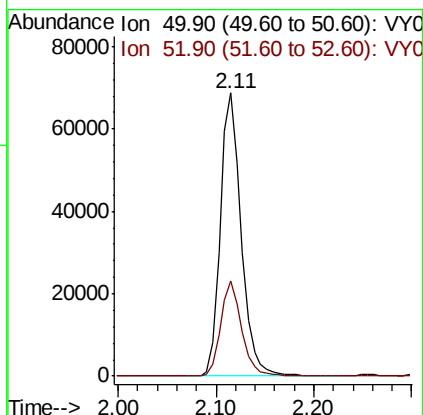
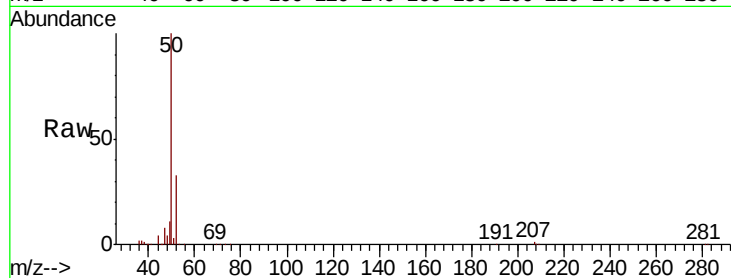
52 33.4 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.665 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003165.D

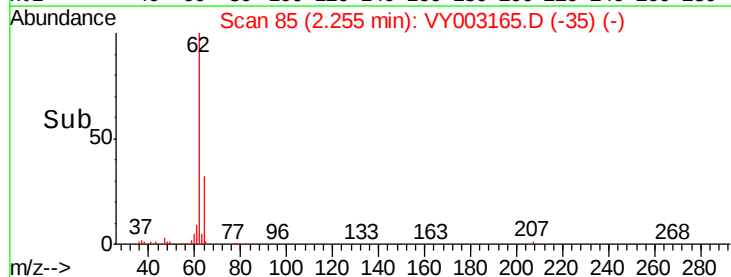
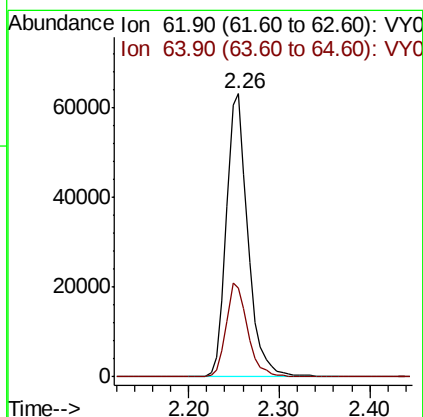
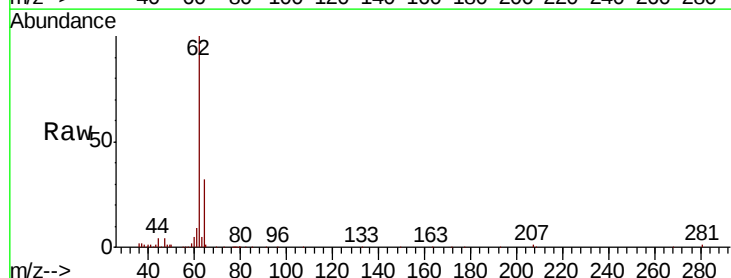
Acq: 10 Jul 2020 15:57

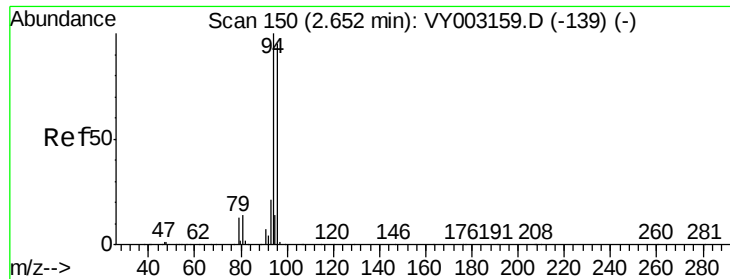
Tgt Ion: 62 Resp: 104415

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0





#5

Bromomethane

Concen: 21.787 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 94 Resp: 81766

Ion Ratio Lower Upper

94 100

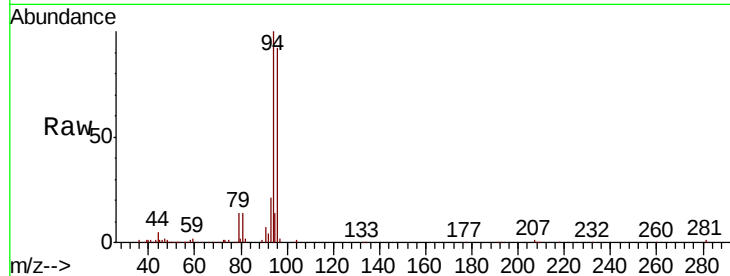
96 92.2 76.0 114.0

Manual Integrations

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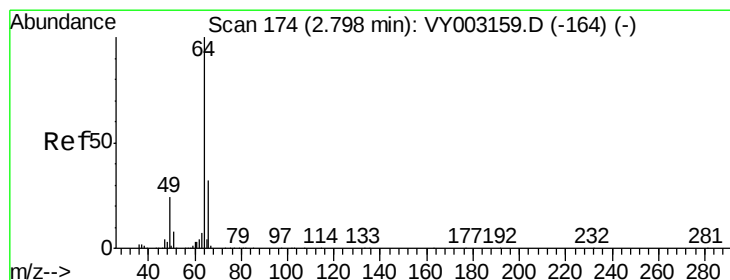
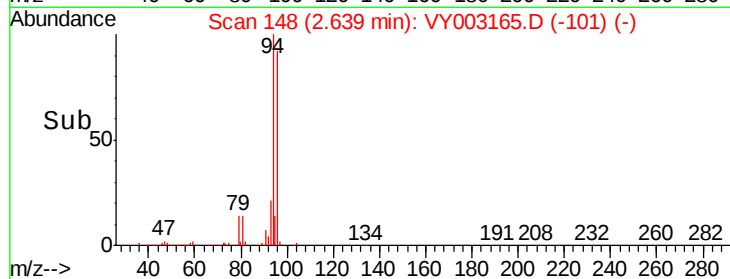
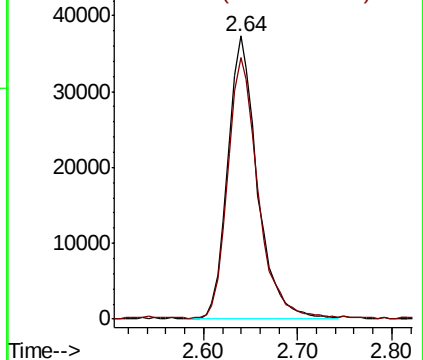
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.253 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003165.D

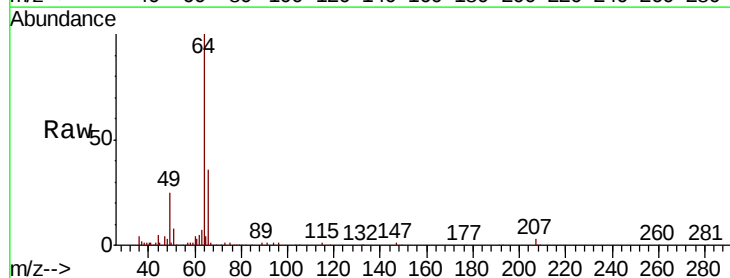
Acq: 10 Jul 2020 15:57

Tgt Ion: 64 Resp: 67212

Ion Ratio Lower Upper

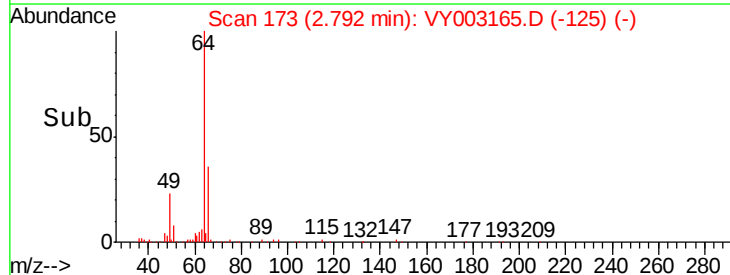
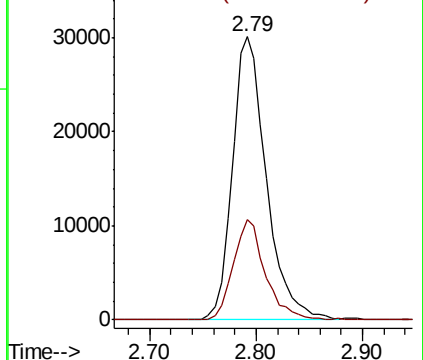
64 100

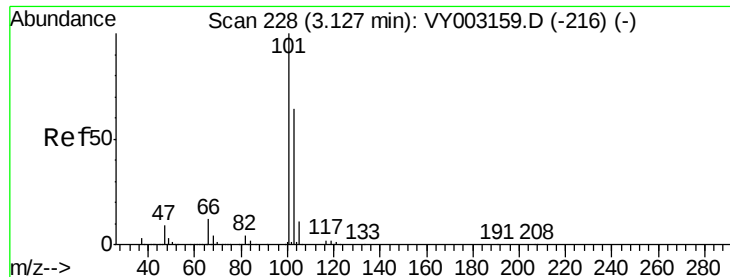
66 35.5 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

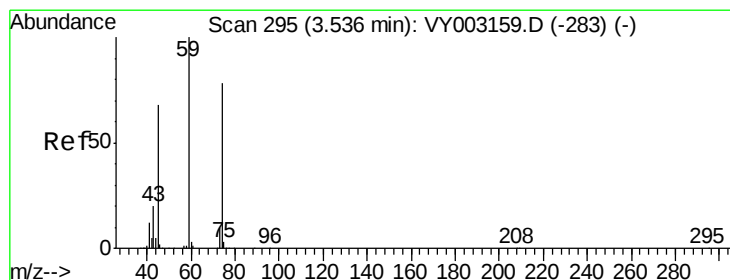
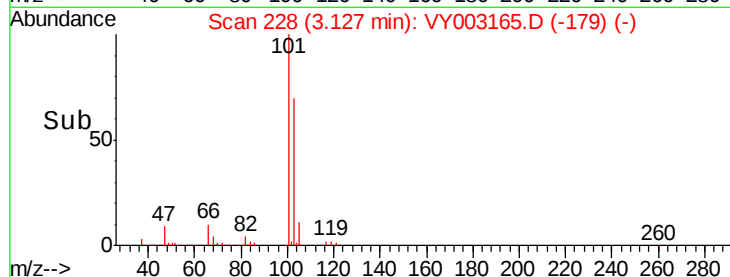
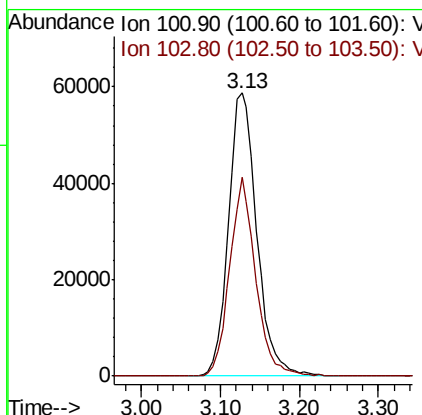
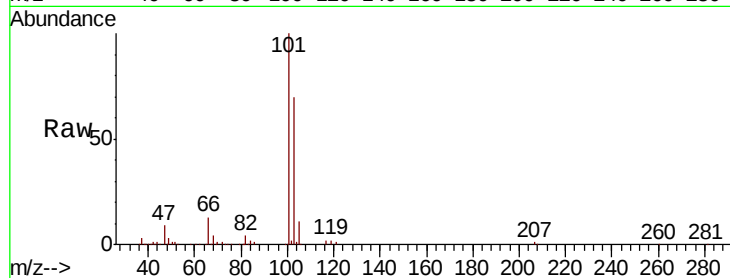
Trichlorofluoromethane
 Concen: 20.313 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Instrument :
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 ClientSampleId :
 VY0710SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.2	51.3	76.9

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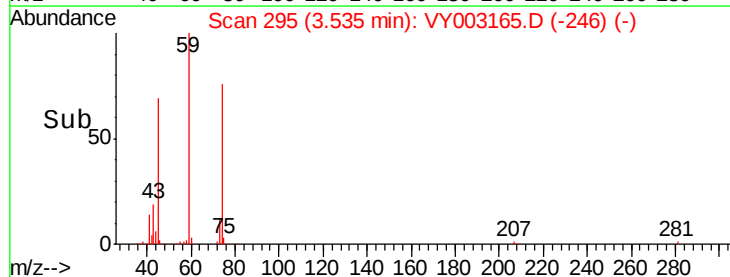
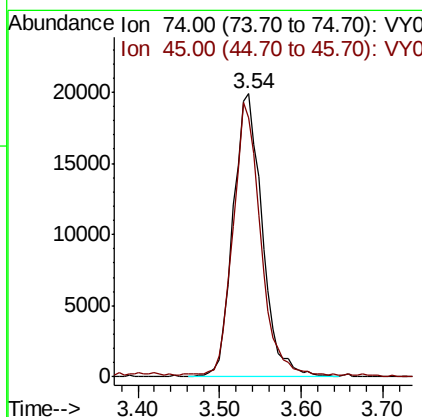
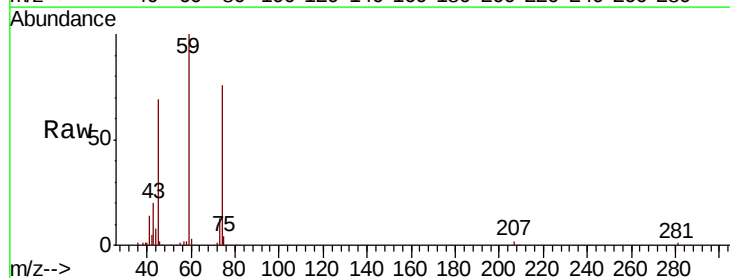
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 7/13/2020 10:47:49 AM

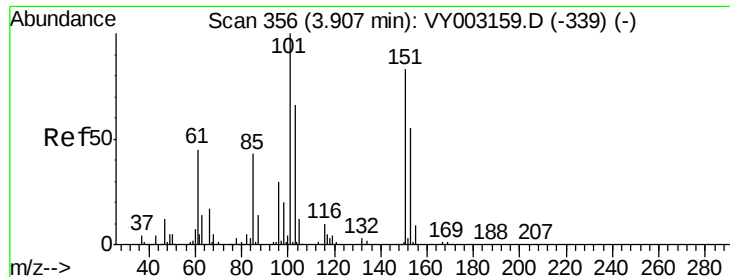


#8

Diethyl Ether
 Concen: 20.301 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	45.3	135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.723 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

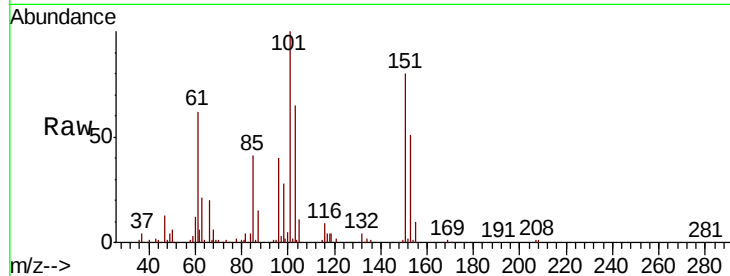
ClientSampleId :

VY0710SBSD01

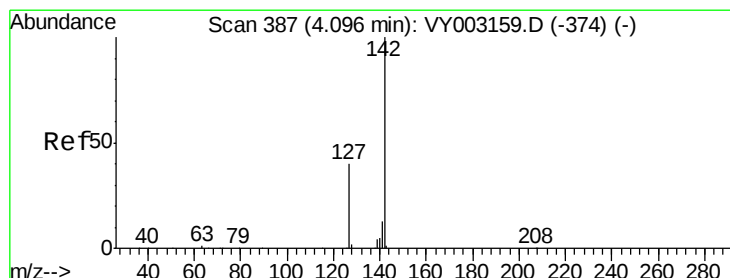
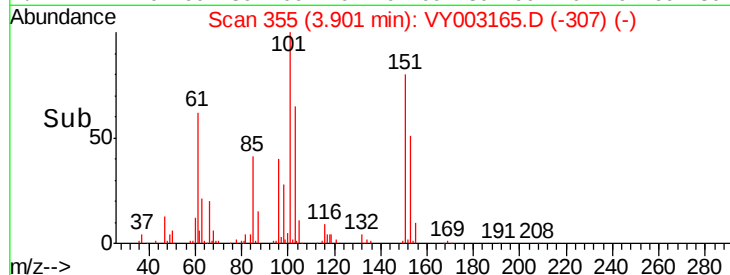
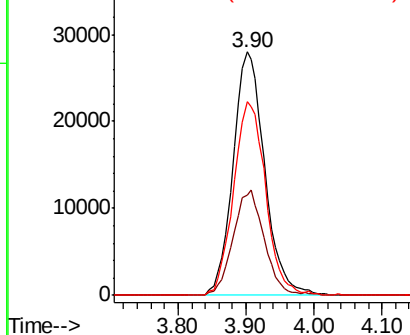
Tot Ion:	101	Resp:	90311
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.9	52.3
151	80.7	67.0	100.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.611 ug/l

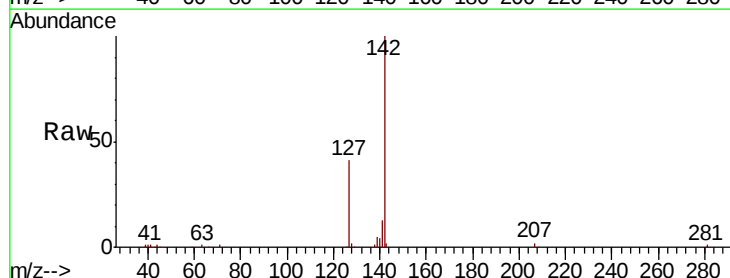
RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

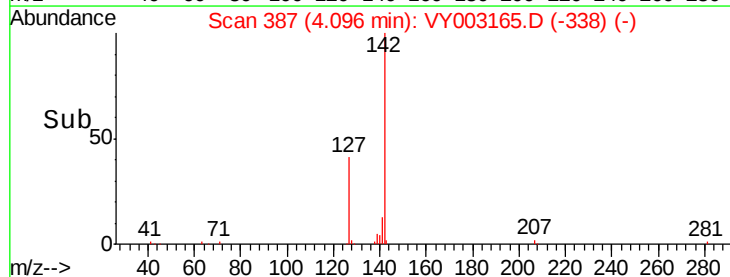
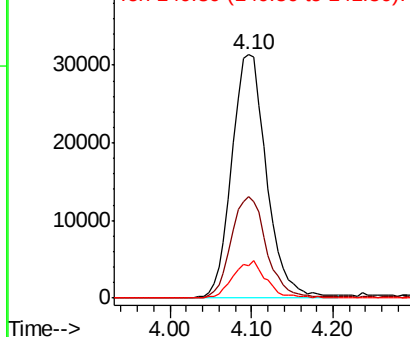
Lab File: VY003165.D

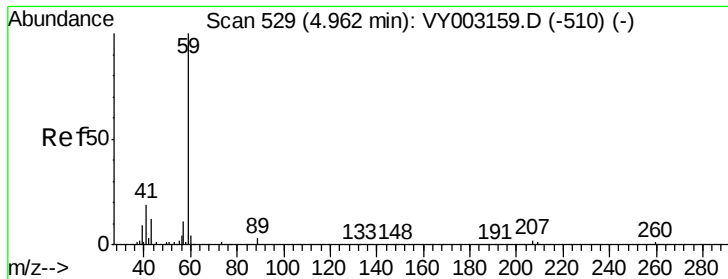
Acq: 10 Jul 2020 15:57

Tgt Ion:	142	Resp:	92852
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.5	50.3
141	14.4	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





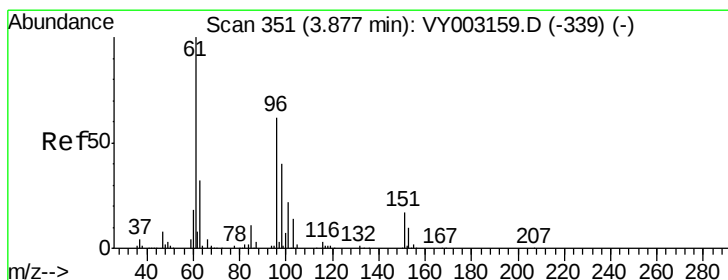
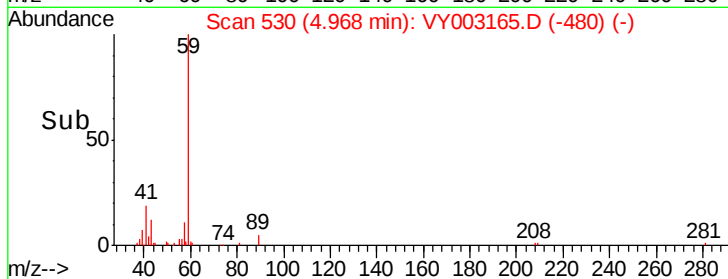
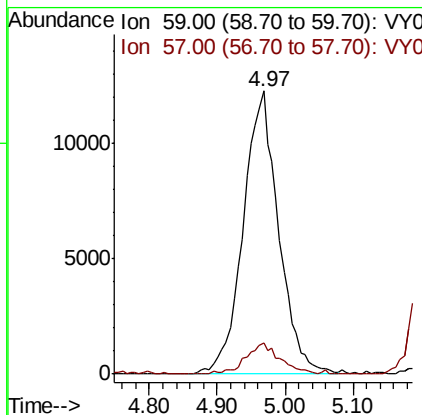
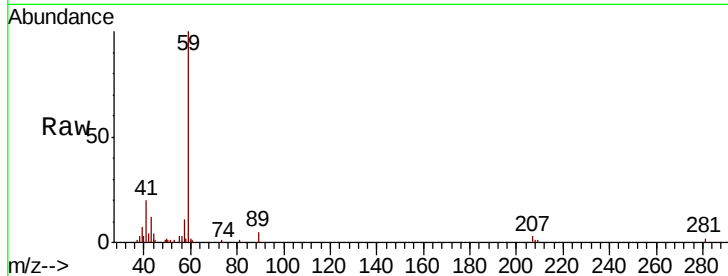
#11
Tert butyl alcohol
Concen: 98.615 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

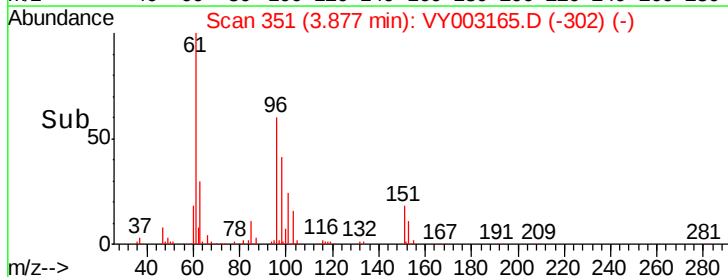
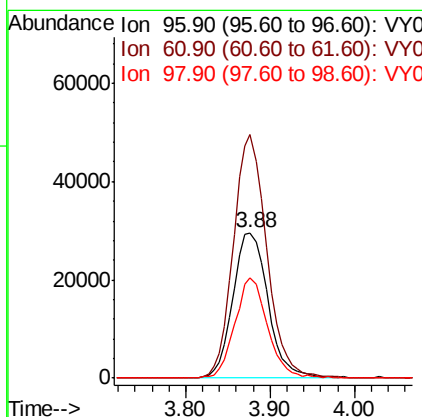
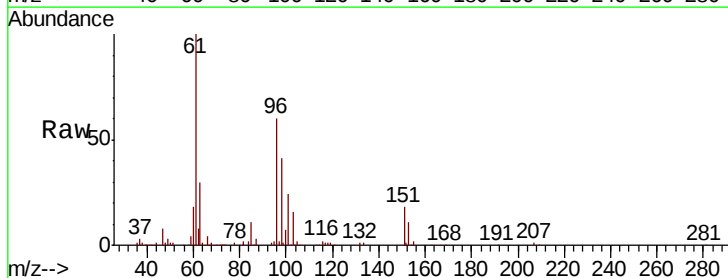
Manual Integrations
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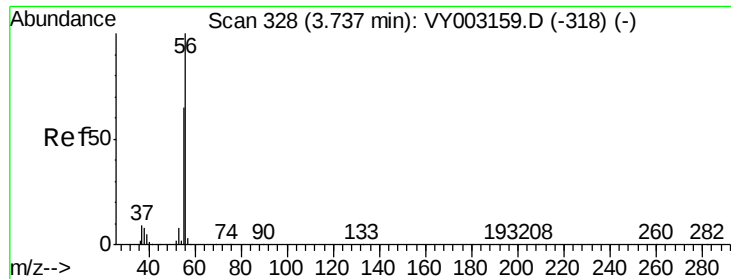
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.337 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.2	128.6	193.0
98	69.2	51.6	77.4





#13

Acrolein

Concen: 101.653 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 56 Resp: 39889

Ion Ratio Lower Upper

56 100

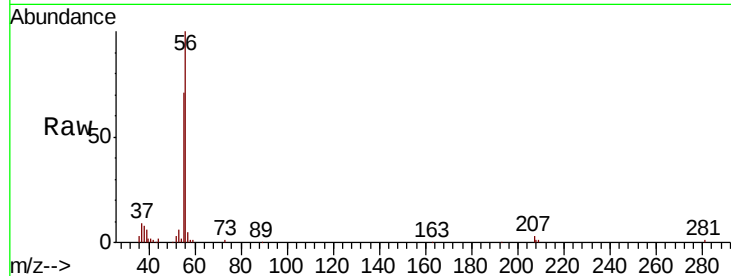
55 71.1 56.0 84.0

Manual Integrations

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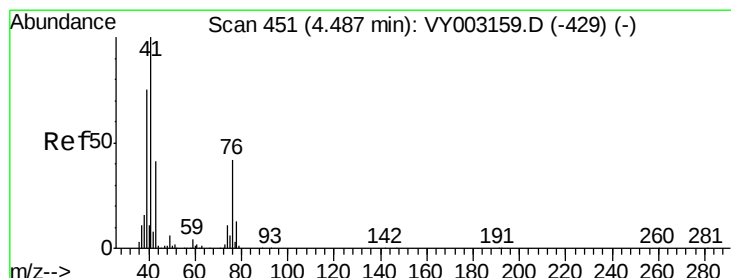
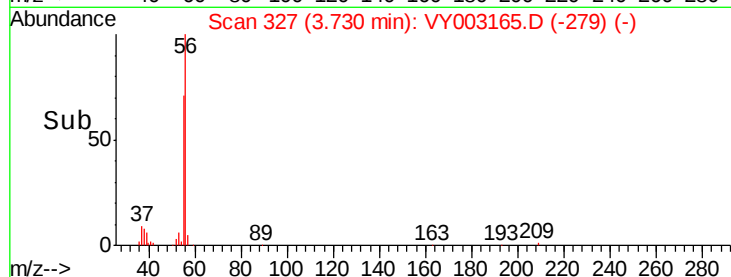
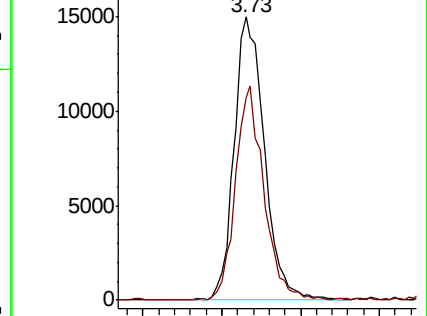
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.388 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

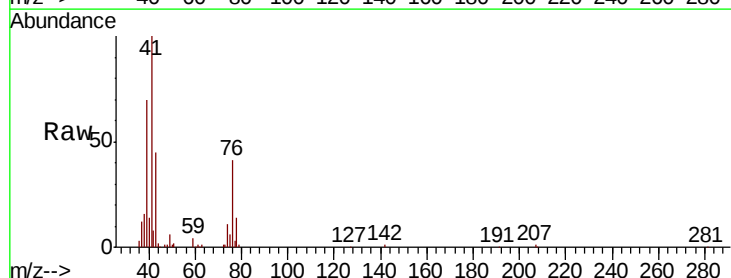
Tgt Ion: 41 Resp: 124699

Ion Ratio Lower Upper

41 100

39 71.2 56.6 85.0

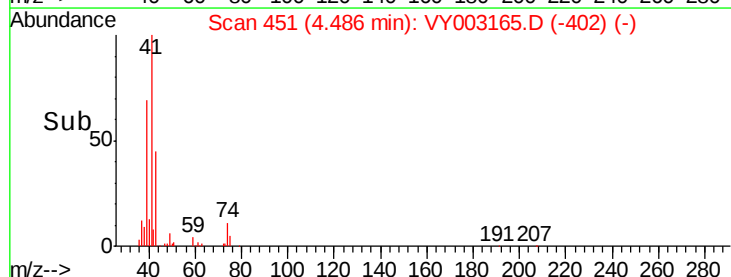
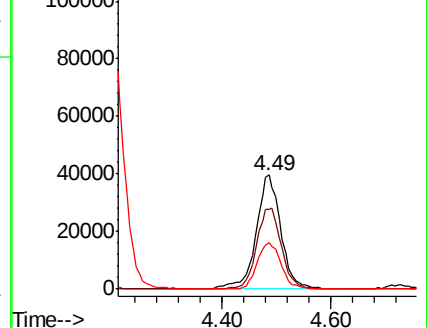
76 39.3 31.6 47.4

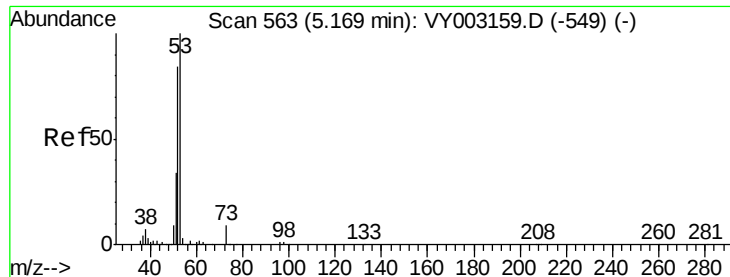


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





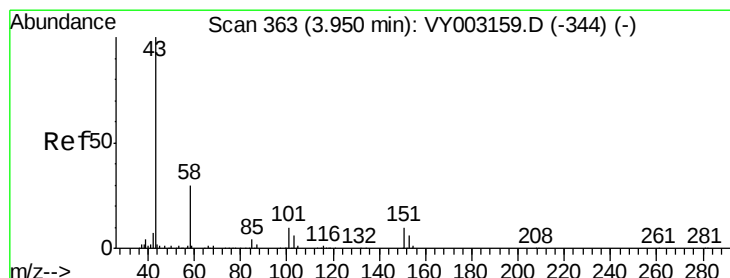
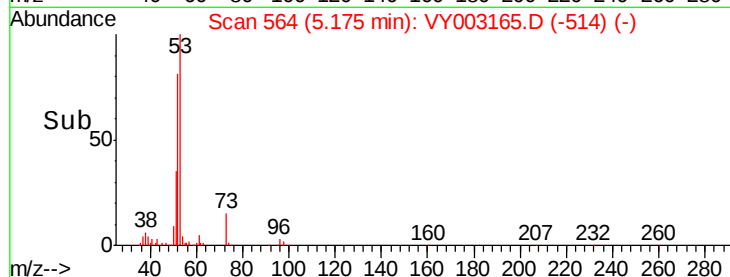
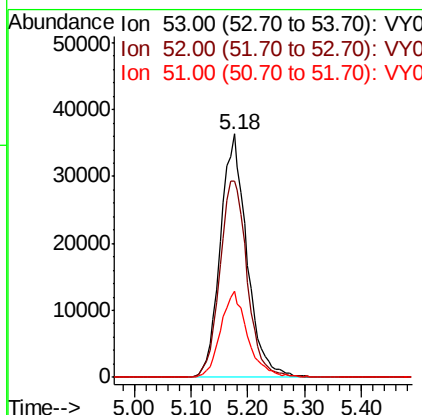
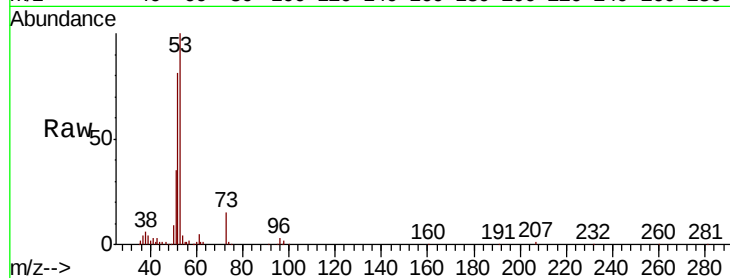
#15
Acrylonitrile
Concen: 101.659 ug/l
RT: 5.18 min Scan# 564
Delta R.T. 0.01 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion:	53	Resp:	118077
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.8	98.6
51	35.6	29.0	43.4

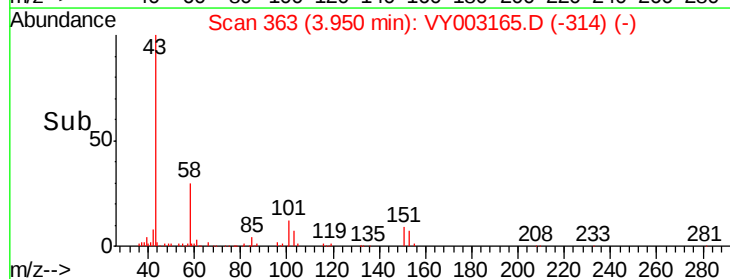
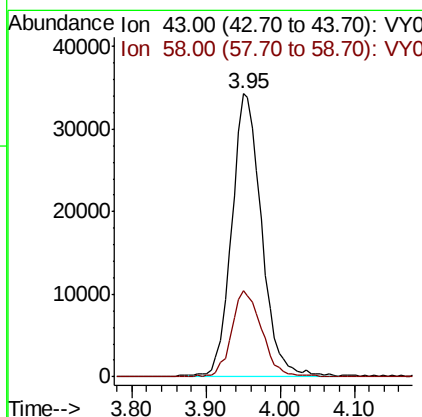
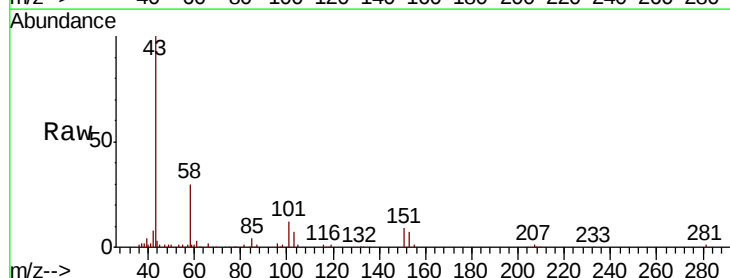
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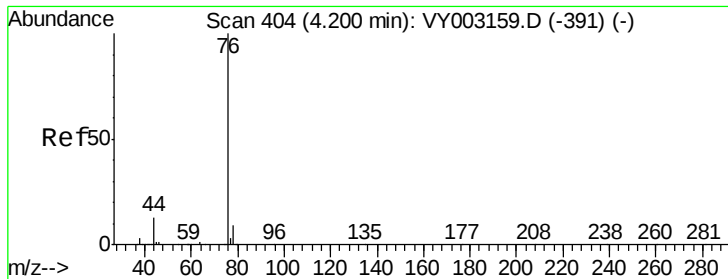
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#16
Acetone
Concen: 102.128 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion:	43	Resp:	95377
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.8	35.6





#17

Carbon Disulfide

Concen: 20.444 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBSD01

Tot Ion: 76 Resp: 258587

Ion Ratio Lower Upper

76 100

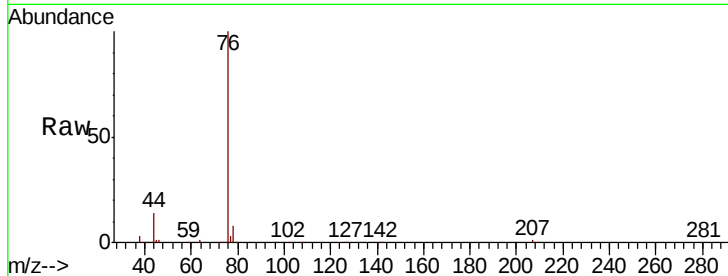
78 8.5 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

100000

80000

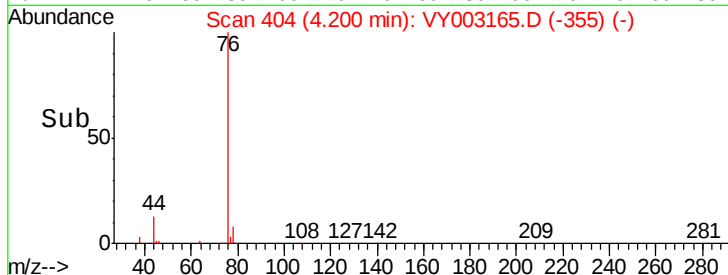
60000

40000

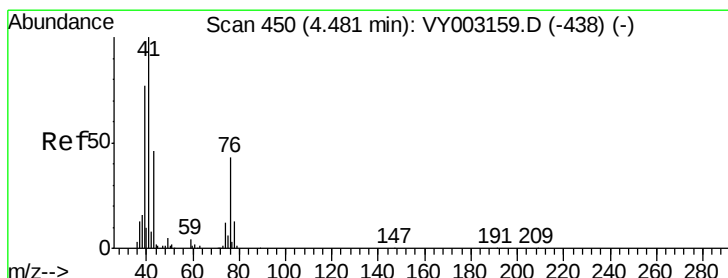
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 20.091 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY003165.D

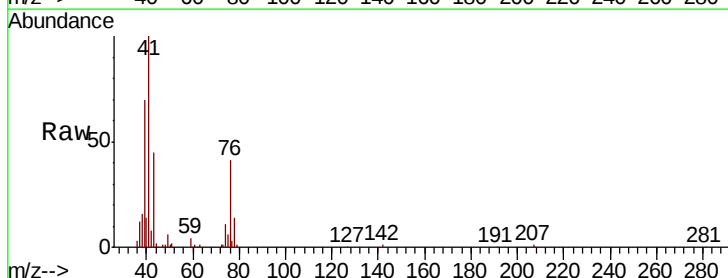
Acq: 10 Jul 2020 15:57

Tgt Ion: 43 Resp: 52106

Ion Ratio Lower Upper

43 100

74 25.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

20000

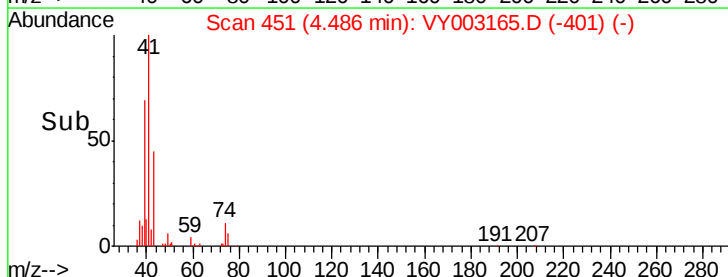
15000

10000

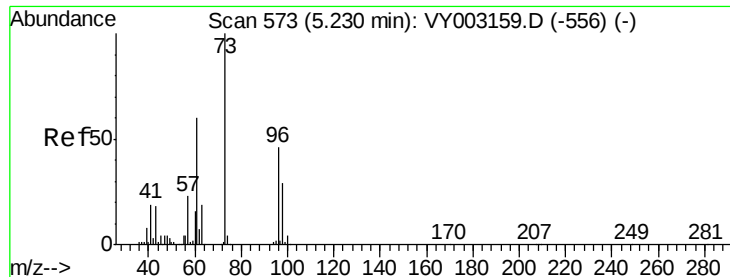
5000

0

Time-->



Time-->



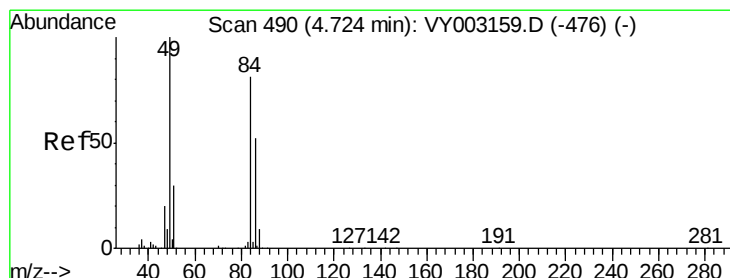
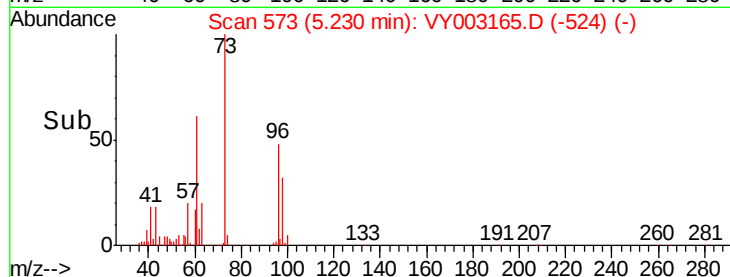
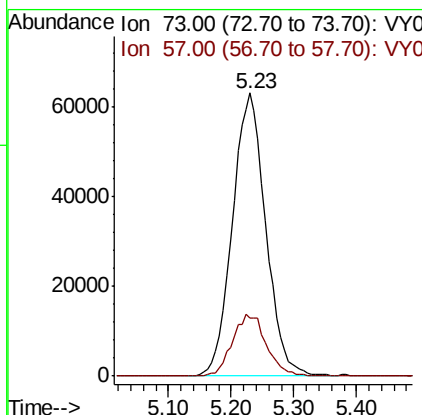
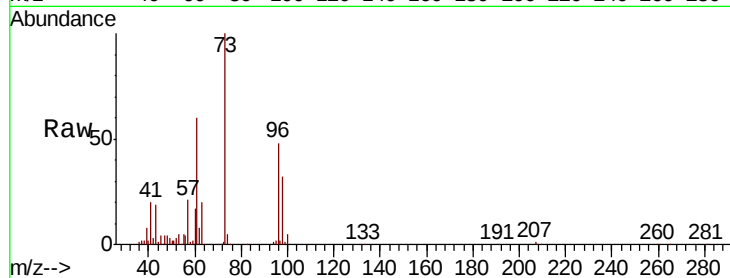
#19
Methvl tert-butvl Ether
Concen: 20.062 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	18.1	27.1

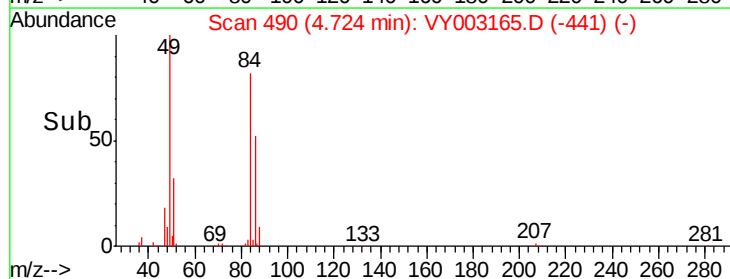
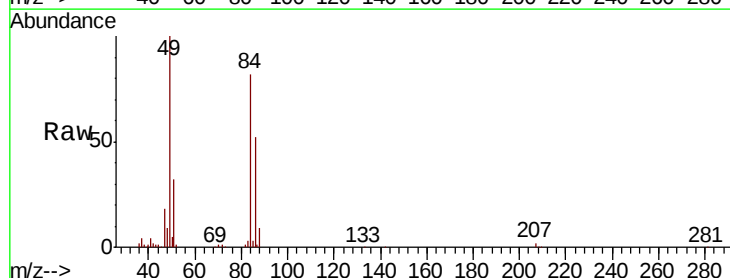
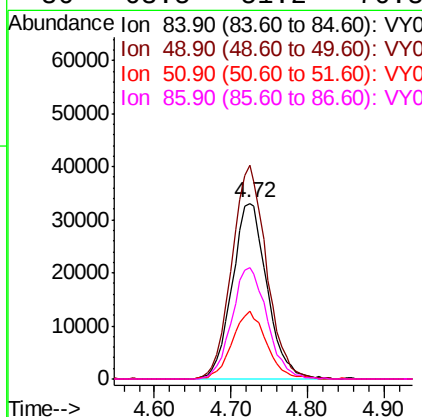
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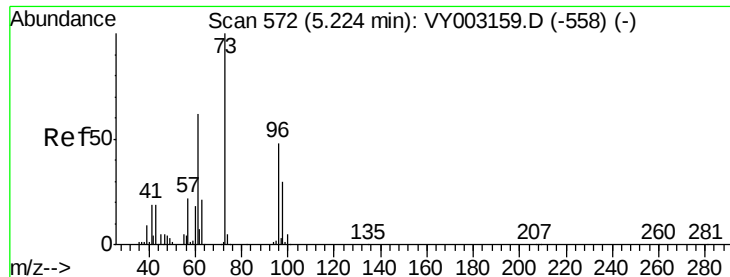
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#20
Methylene Chloride
Concen: 18.873 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.8	98.2	147.4
51	38.6	29.8	44.6
86	63.5	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 20.063 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 96 Resp: 93538

Ion Ratio Lower Upper

96 100

61 127.1 102.5 153.7

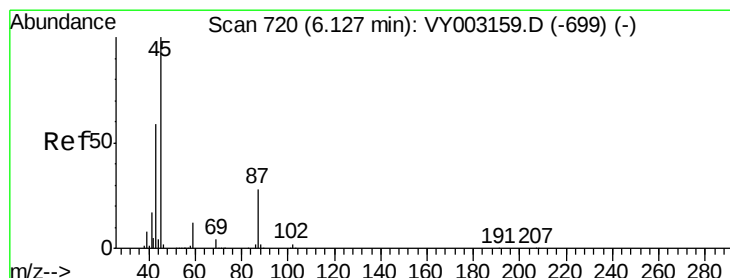
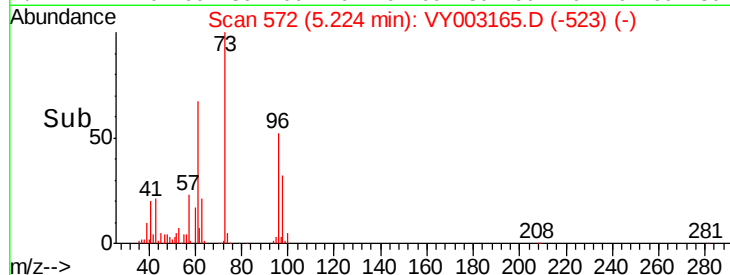
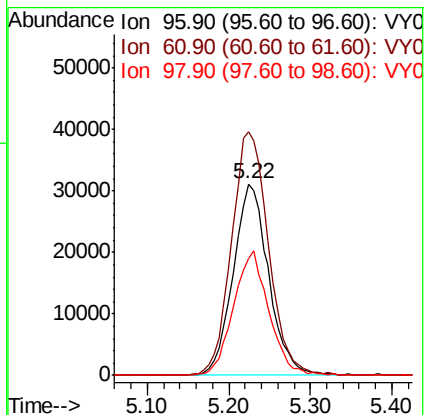
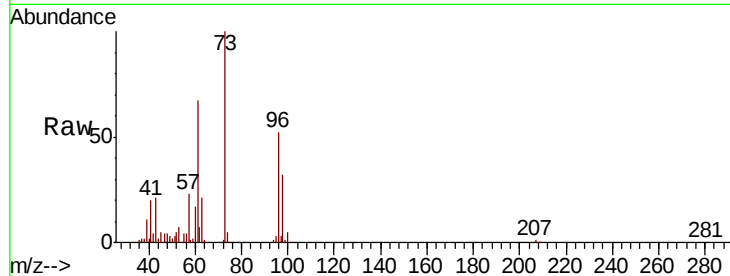
98 61.0 49.8 74.8

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#22

Diisopropyl ether

Concen: 20.365 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Tgt Ion: 45 Resp: 276448

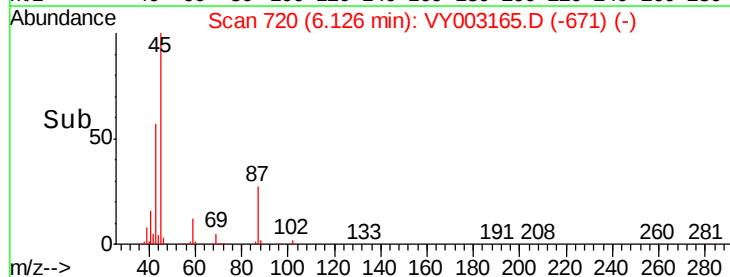
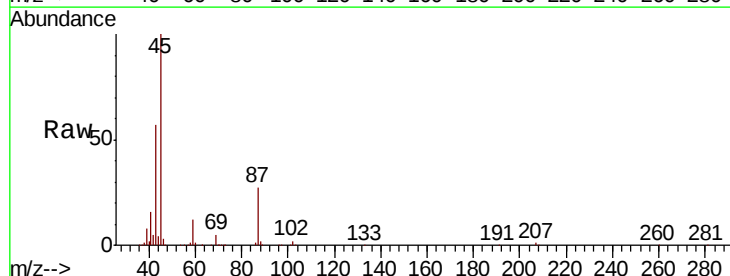
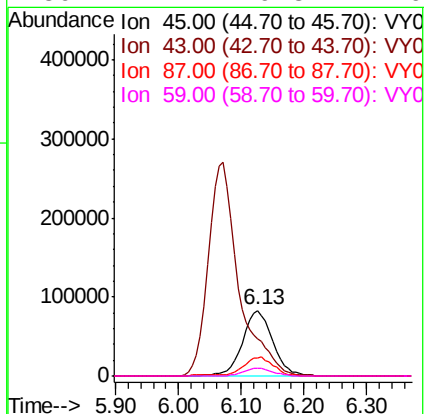
Ion Ratio Lower Upper

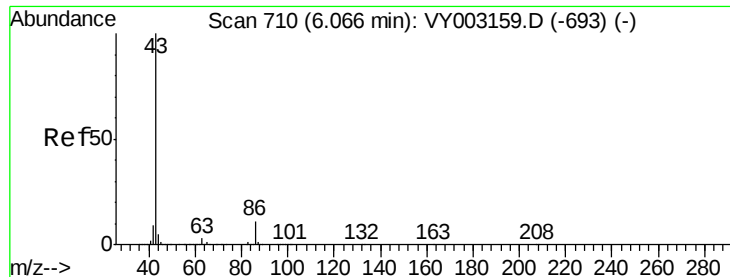
45 100

43 56.7 47.0 70.4

87 26.7 22.6 33.8

59 12.1 9.8 14.6





#23

Vinyl Acetate

Concen: 100.836 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 43 Resp: 912328

Ion Ratio Lower Upper

43 100

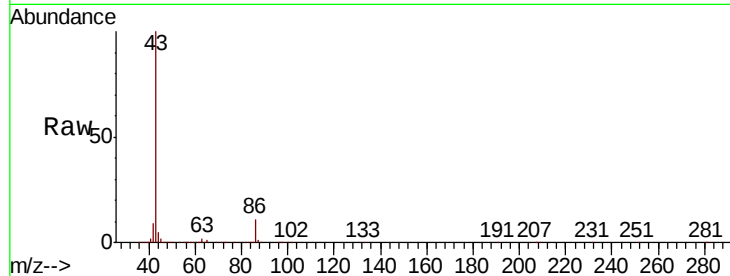
86 11.2 8.8 13.2

Manual Integrations

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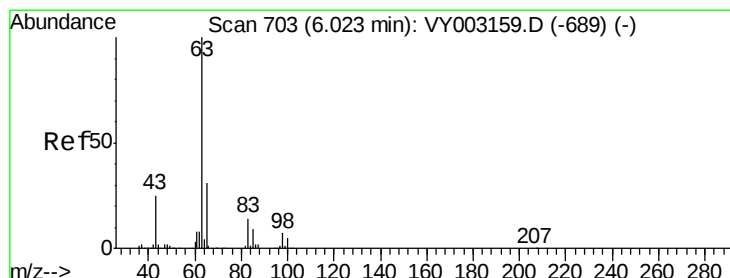
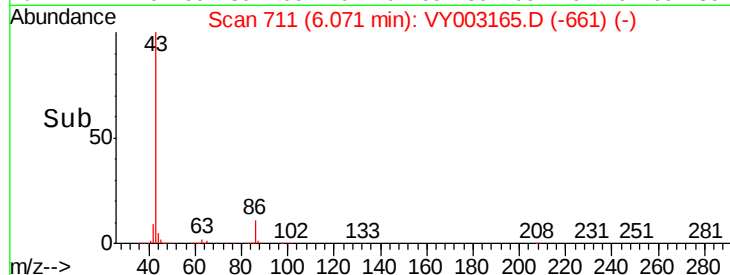
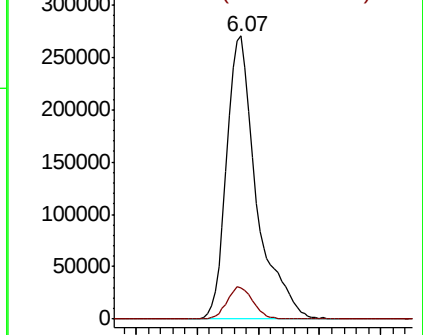
MMDadoda

7/13/2020 10:47:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.307 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.01 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

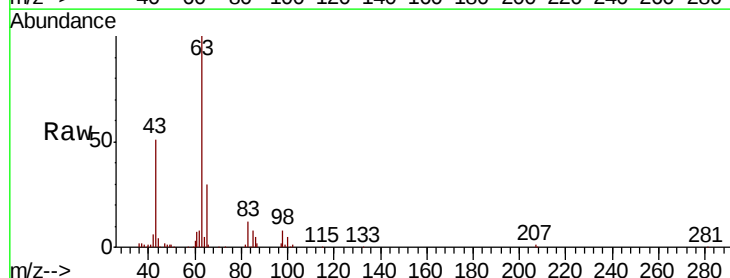
Tgt Ion: 63 Resp: 159702

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

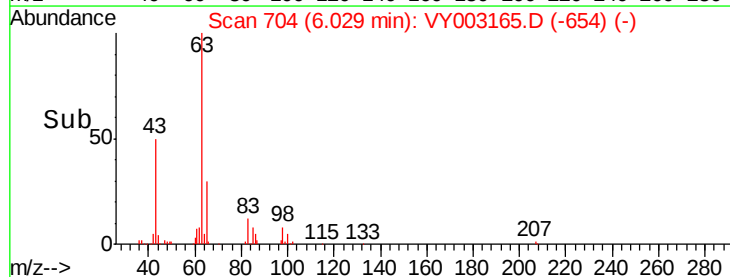
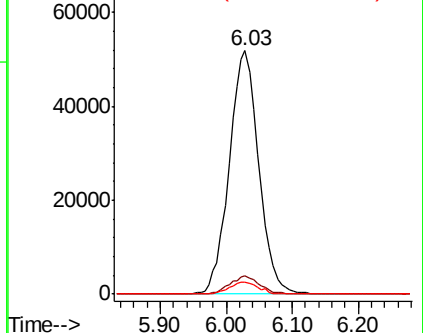
100 4.9 2.4 7.2

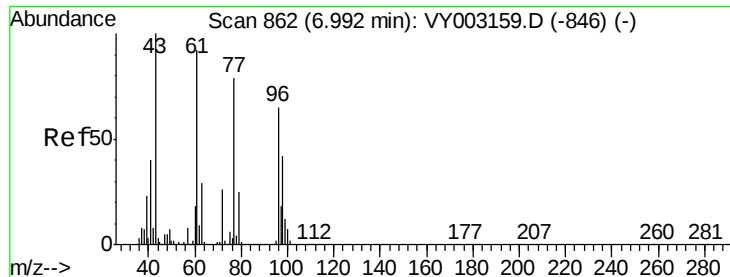


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 100.964 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 43 Resp: 154815

Ion Ratio Lower Upper

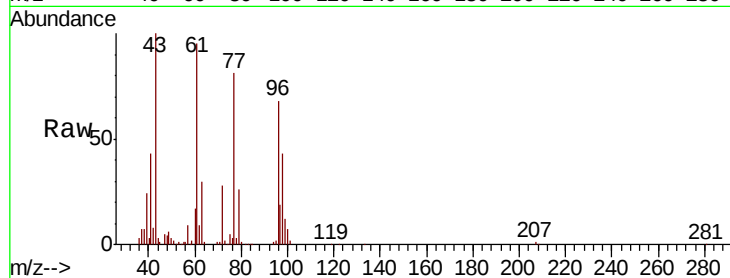
43 100

72 27.7 20.9 31.3

Manual Integrations
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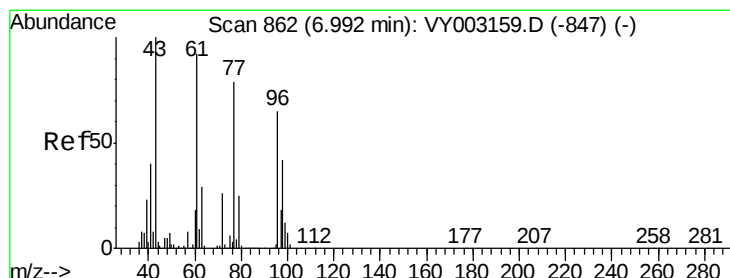
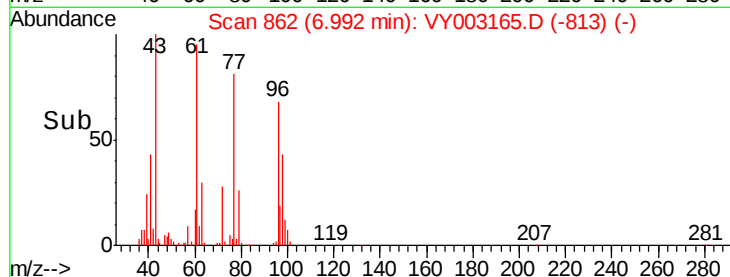
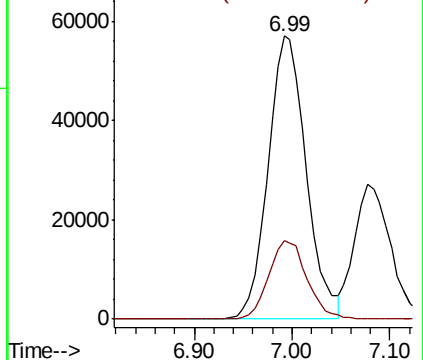
MMDadoda

7/13/2020 10:47:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 19.996 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003165.D

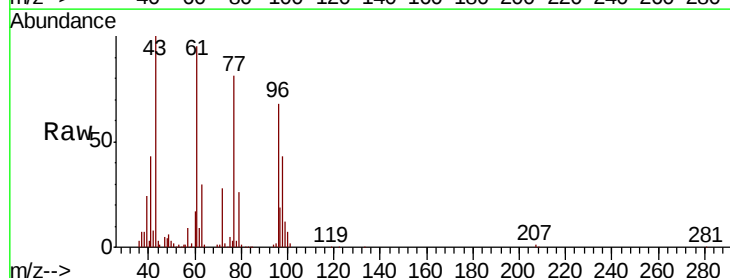
Acq: 10 Jul 2020 15:57

Tgt Ion: 77 Resp: 141620

Ion Ratio Lower Upper

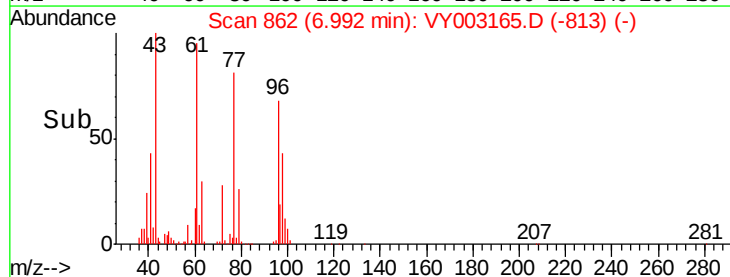
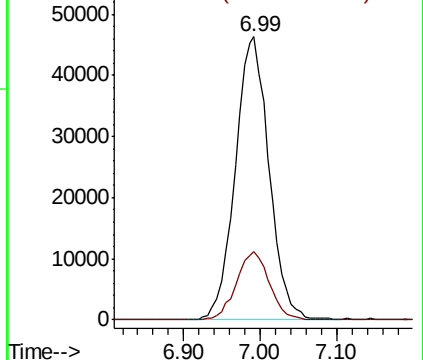
77 100

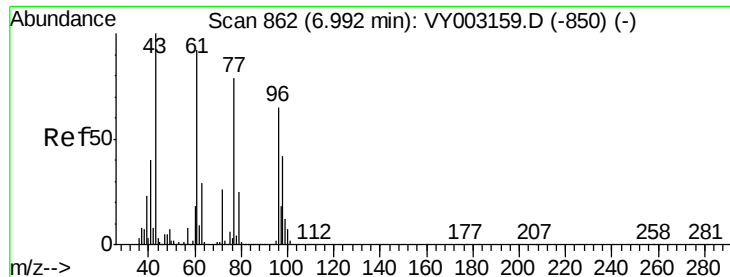
97 23.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

cis-1,2-Dichloroethene

Concen: 20.634 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003165.D

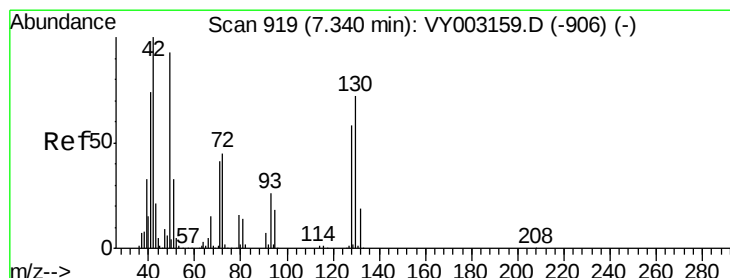
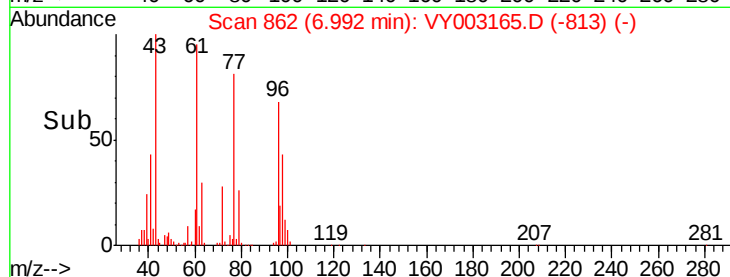
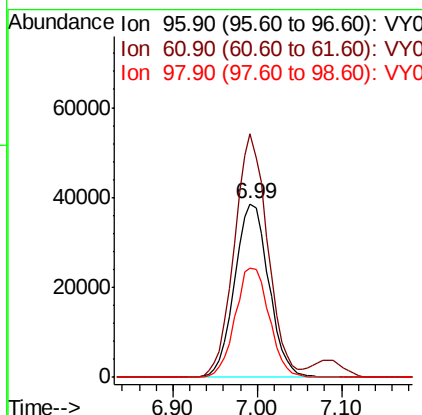
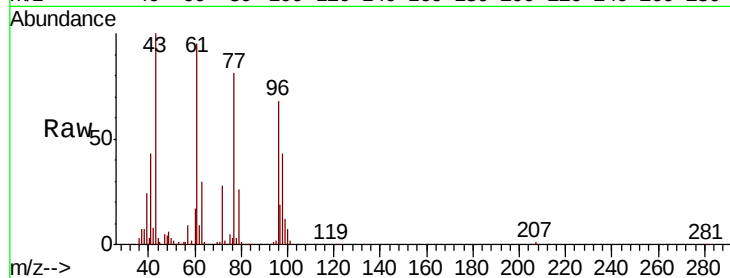
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	281.2
98	62.6	0.0	129.8

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#28

Bromochloromethane

Concen: 21.118 ug/l

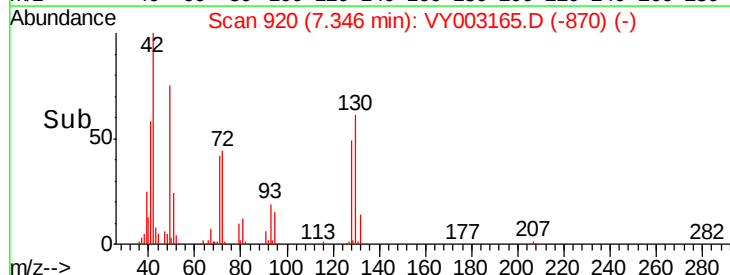
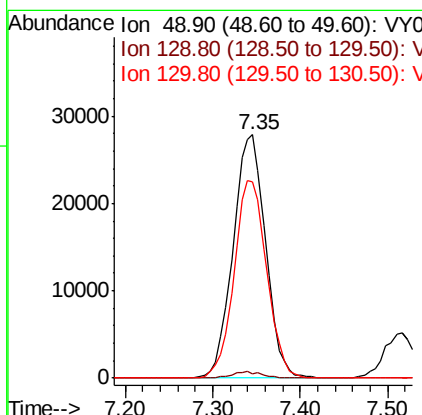
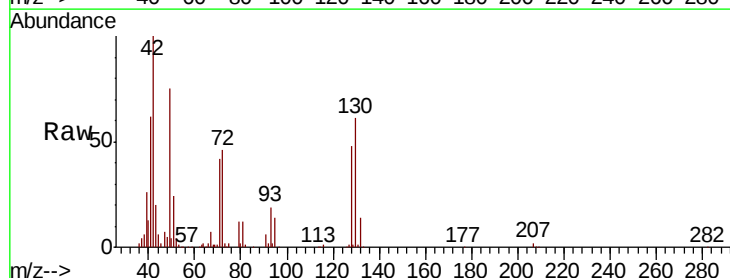
RT: 7.35 min Scan# 920

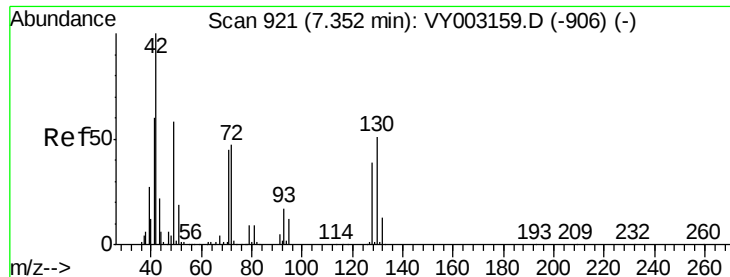
Delta R.T. 0.01 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	81.5	64.9	97.3





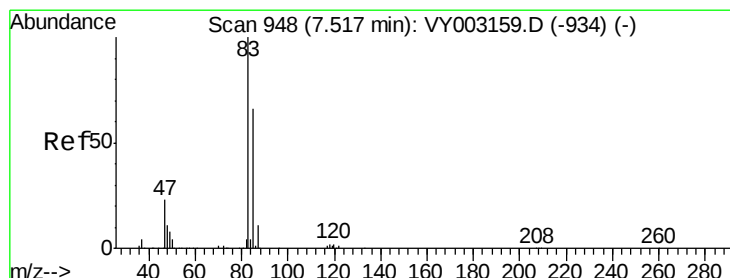
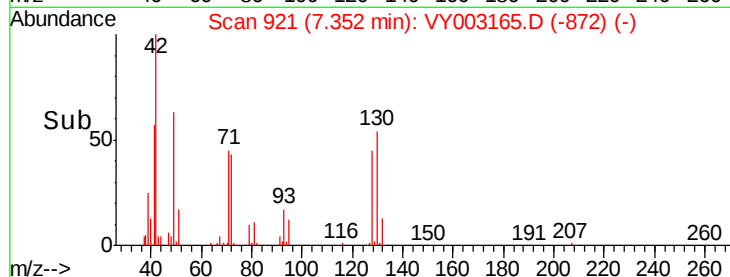
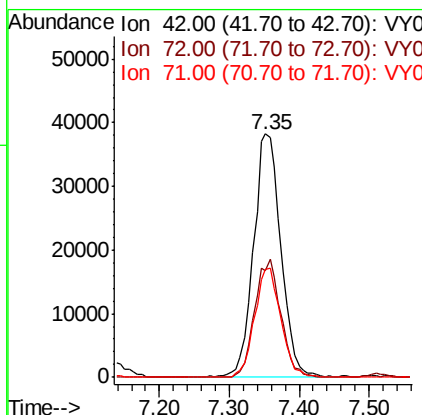
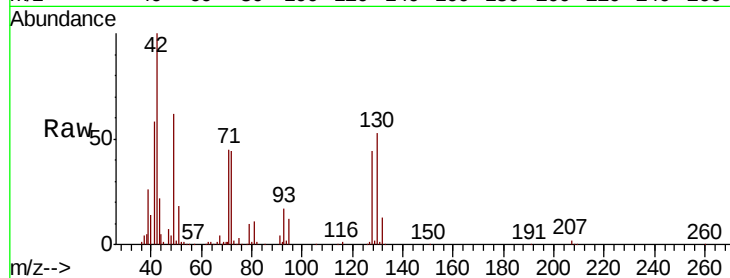
#29
Tetrahydrofuran
Concen: 101.230 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.7	55.1
71	43.1	34.2	51.4

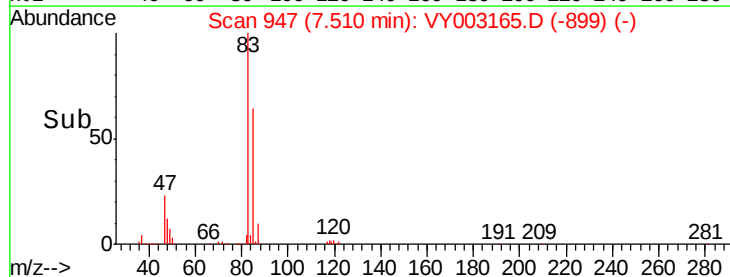
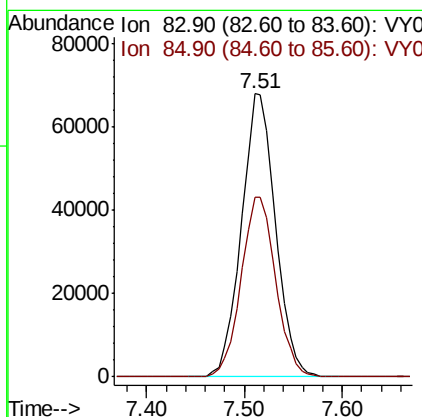
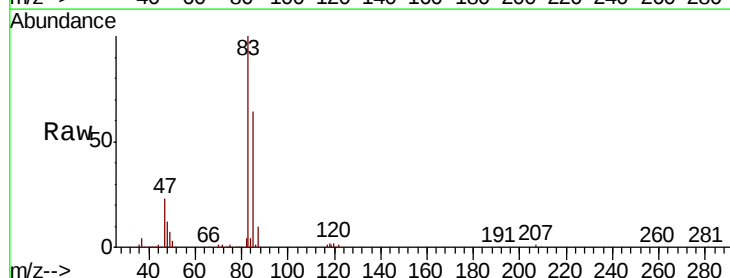
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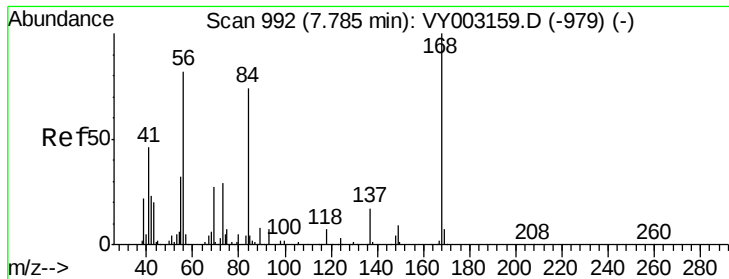
MMDadoda
7/13/2020 10:47:49 AM



#30
Chloroform
Concen: 20.241 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	78.8





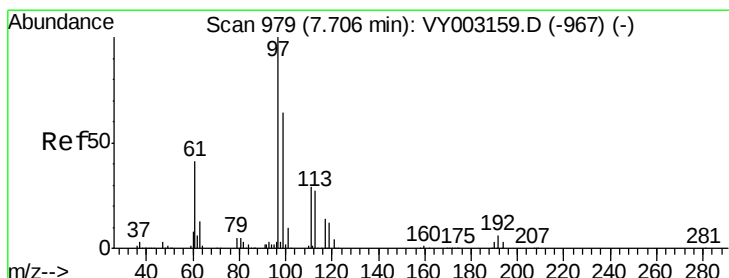
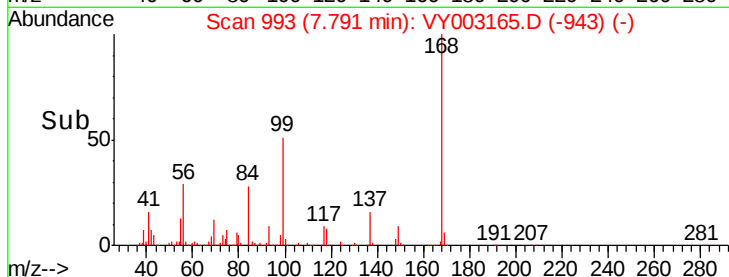
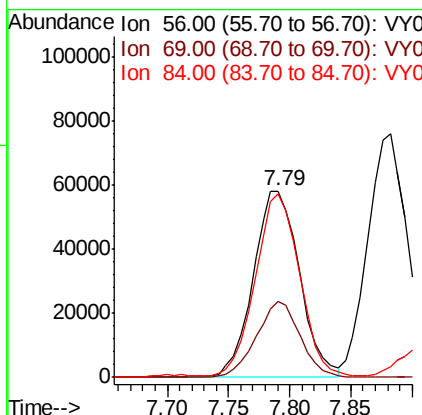
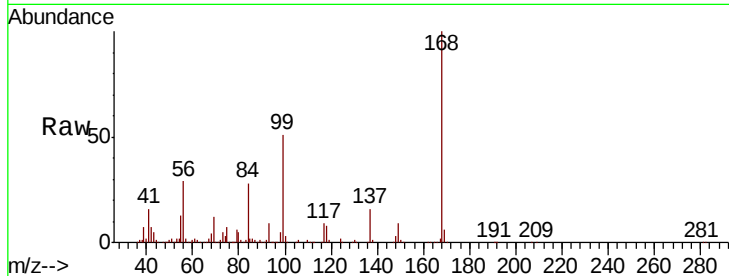
#31
Cvclohexane
Concen: 20.117 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.7	26.7	40.1#
84	97.0	72.3	108.5

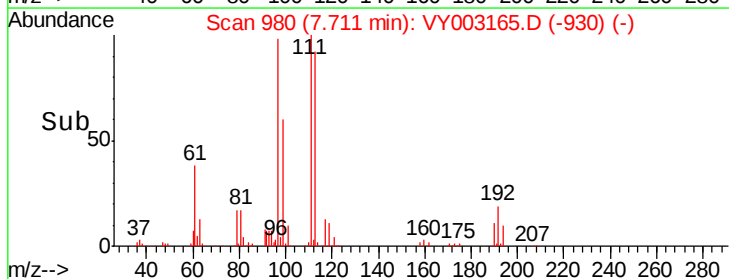
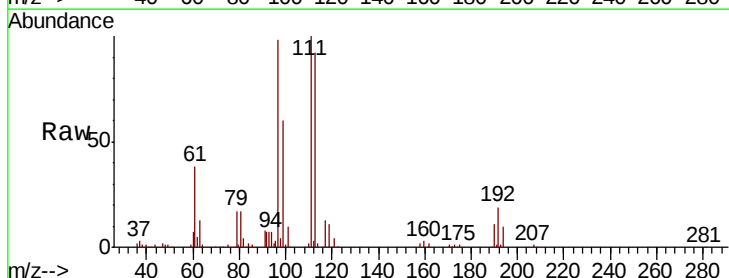
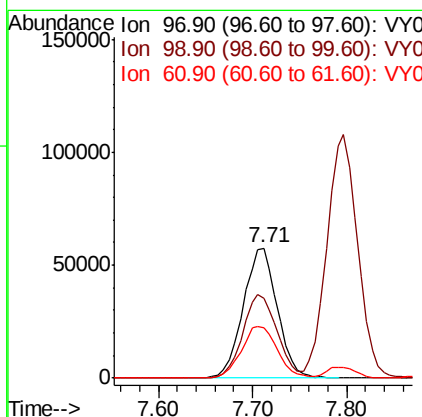
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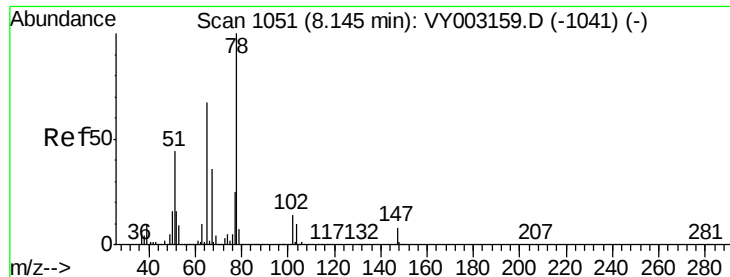
MMDadoda
7/13/2020 10:47:49 AM



#32
1,1,1-Trichloroethane
Concen: 19.996 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	42.0	33.9	50.9





#33

1,2-Dichloroethane-d4

Concen: 46.522 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 65 Resp: 194506

Ion Ratio Lower Upper

65 100

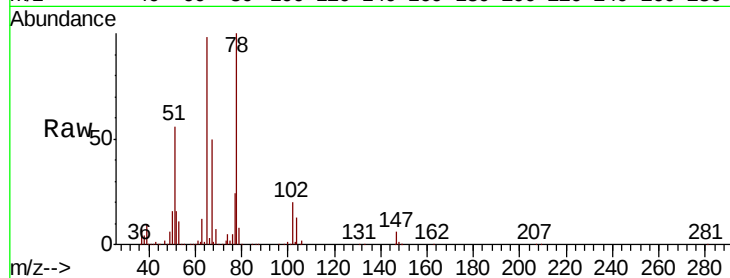
67 54.0 0.0 105.2

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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

100000

80000

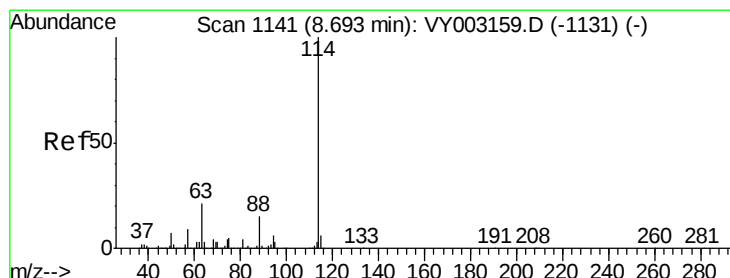
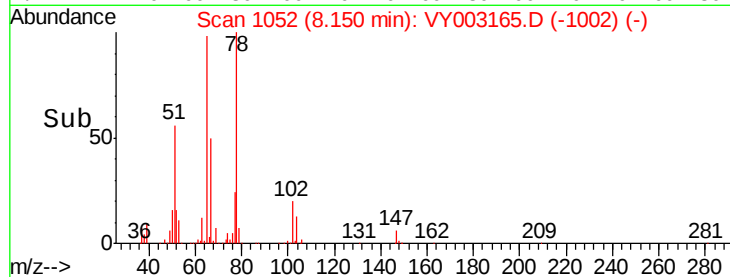
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

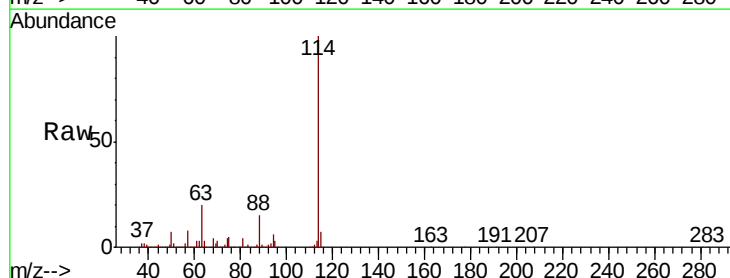
Tgt Ion: 114 Resp: 720813

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.2

88 15.1 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.69

500000

400000

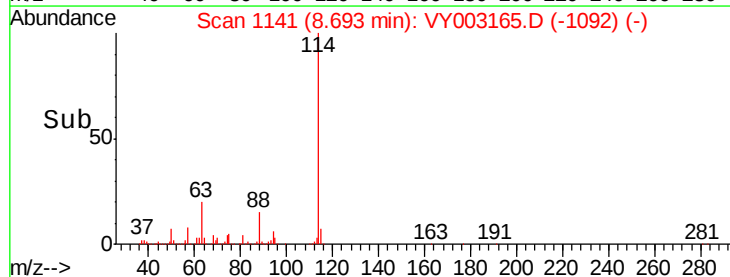
300000

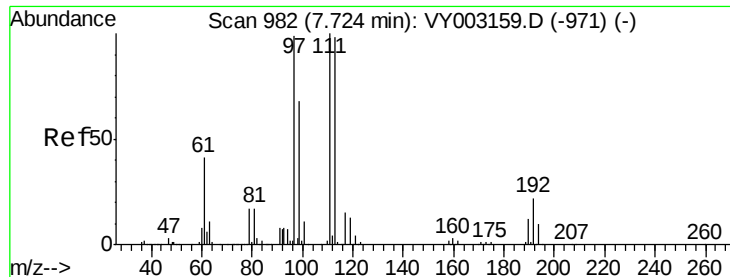
200000

100000

0

Time-->





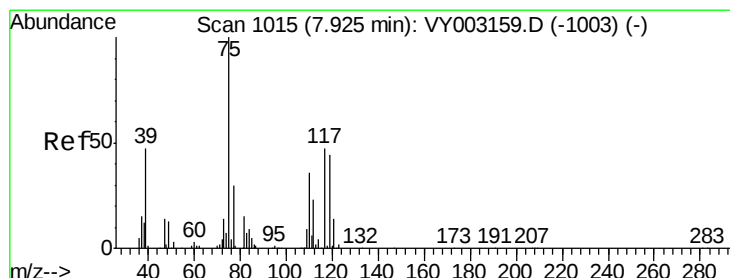
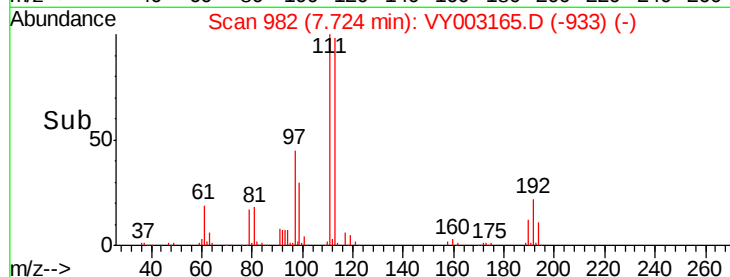
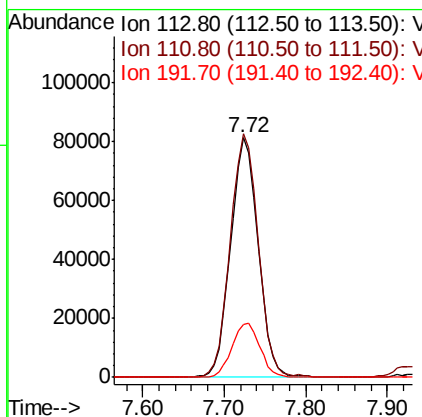
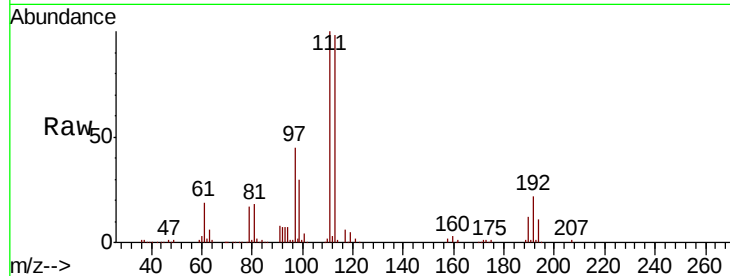
#35
Dibromofluoromethane
Concen: 45.620 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189235		
111	103.3	82.1	123.1	
192	23.0	18.8	28.2	

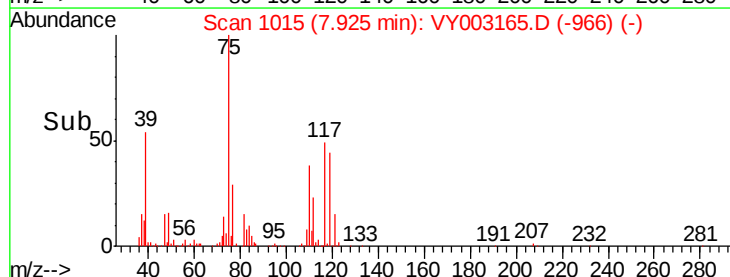
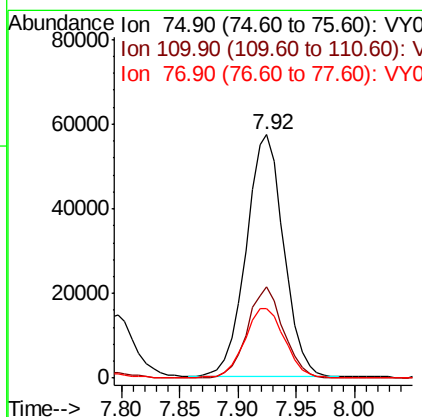
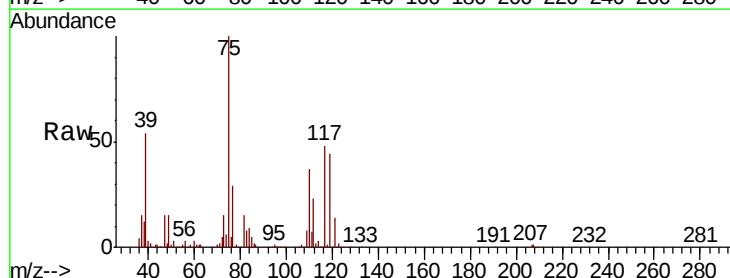
Manual Integrations
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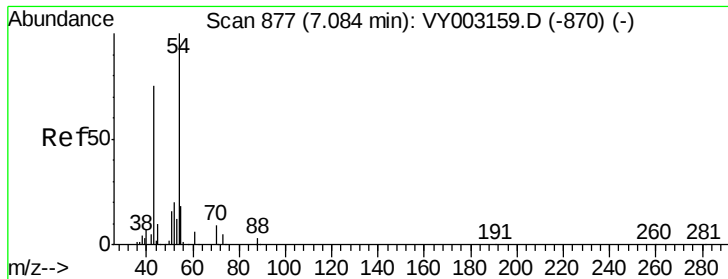
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.798 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129339		
110	36.1	18.1	54.1	
77	30.9	24.8	37.2	





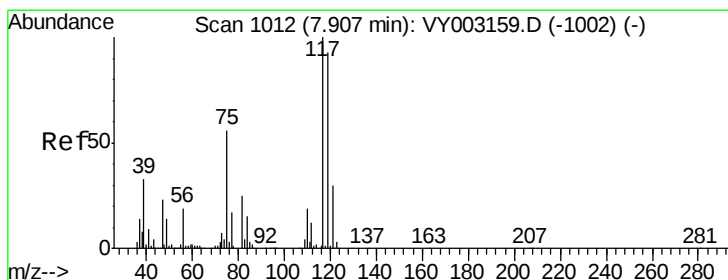
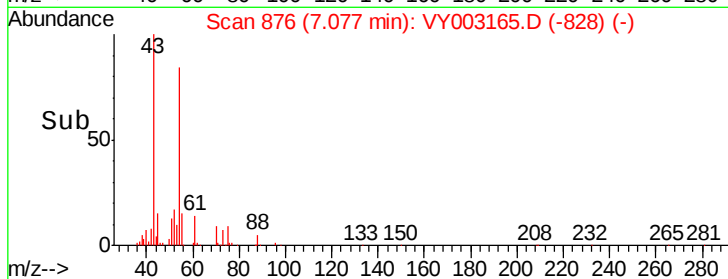
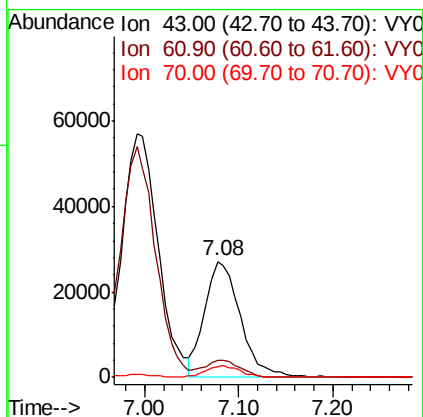
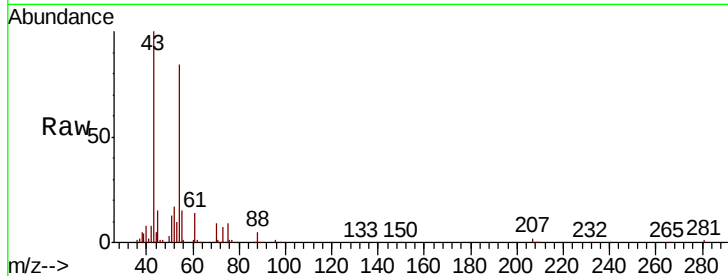
#37
Ethyl Acetate
Concen: 20.114 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.8	17.6
70	9.9	8.6	13.0

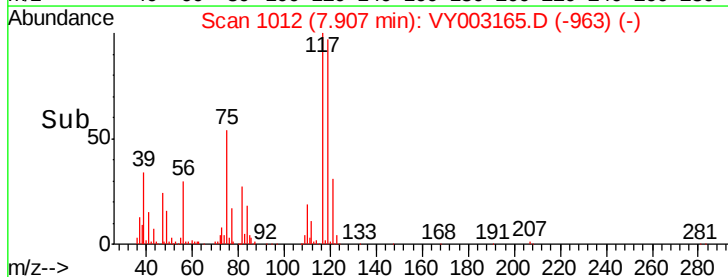
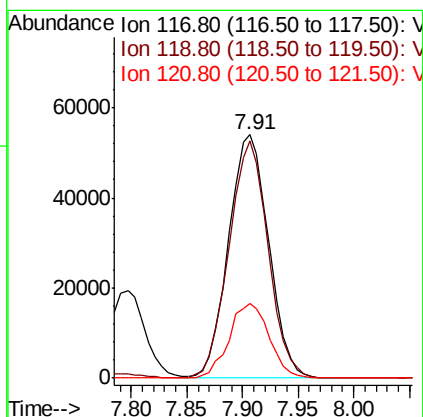
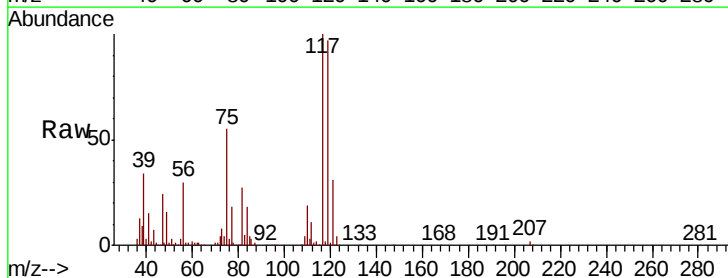
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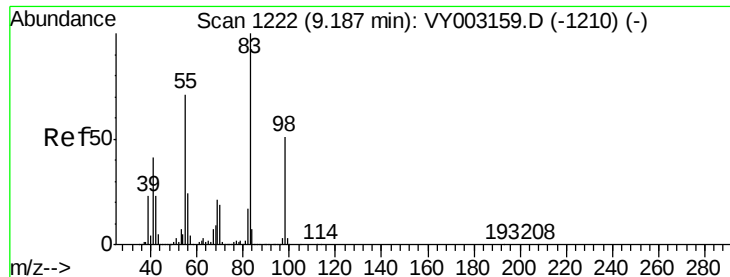
MMDadoda
7/13/2020 10:47:49 AM



#38
Carbon Tetrachloride
Concen: 20.047 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	74.5	111.7
121	30.7	24.2	36.2





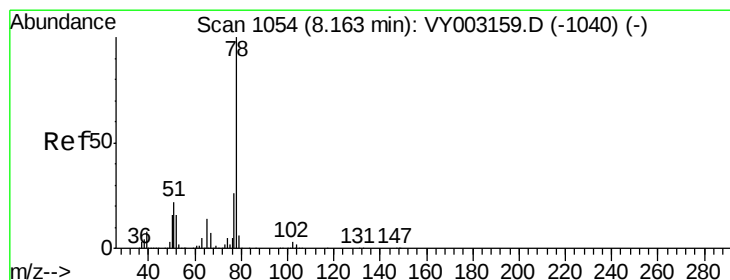
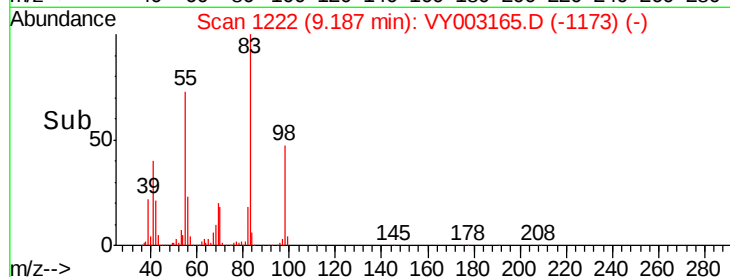
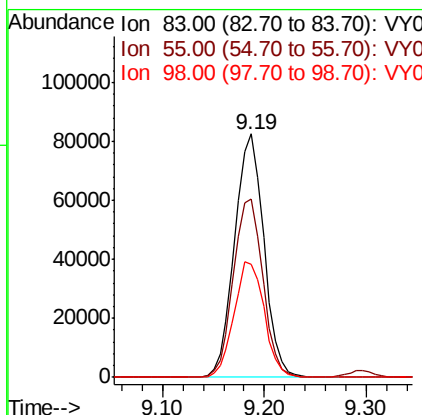
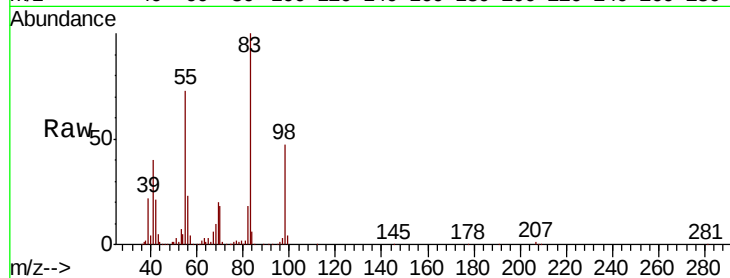
#39
Methvlcvclohexane
Concen: 20.061 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	57.2	85.8
98	46.6	41.0	61.6

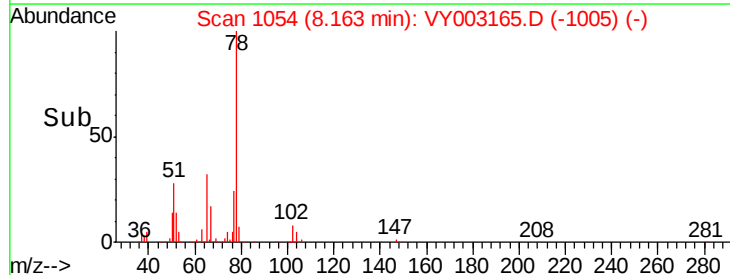
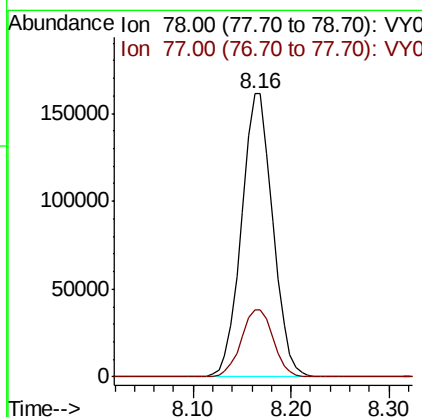
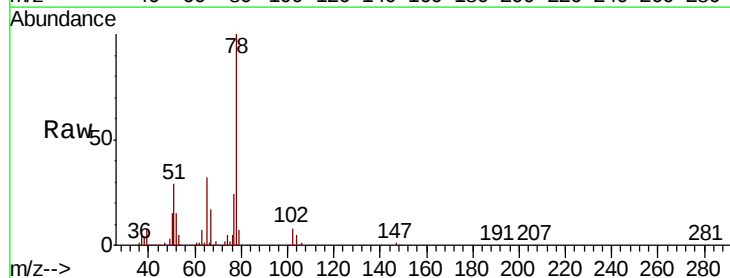
Manual Integrations
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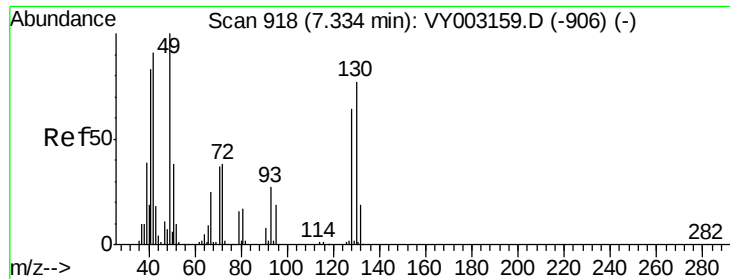
MMDadoda
7/13/2020 10:47:49 AM



#40
Benzene
Concen: 19.957 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	20.7	31.1





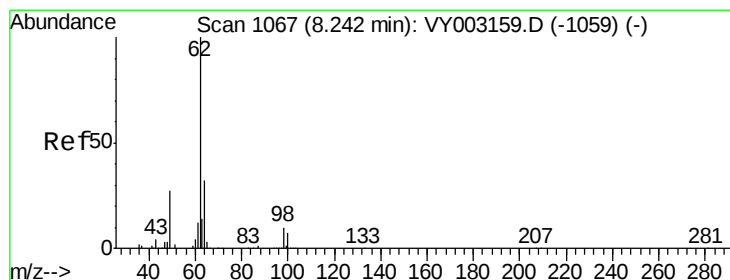
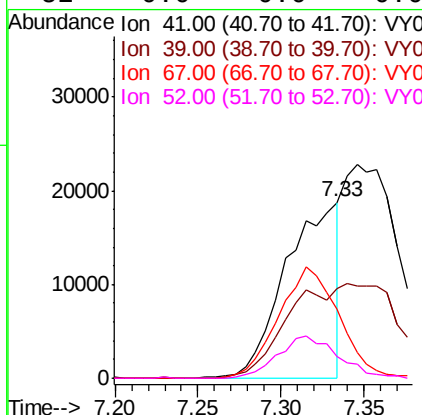
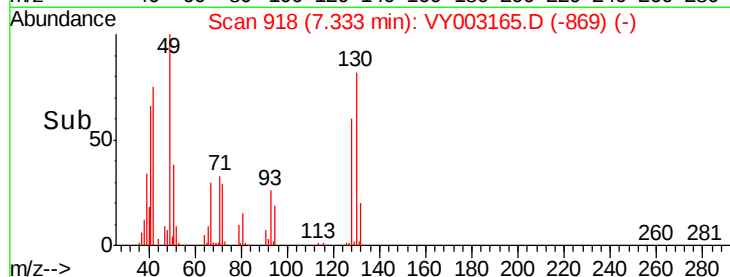
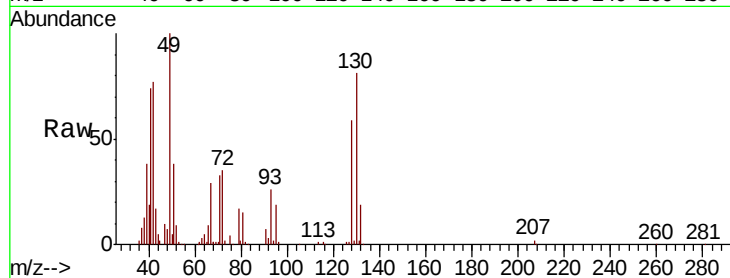
#41
Methacrylonitrile
Concen: 19.738 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBSD01

Tot Ion	41	Resp	41823
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.3	124.9#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

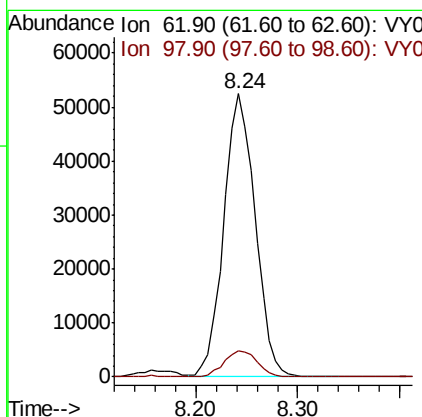
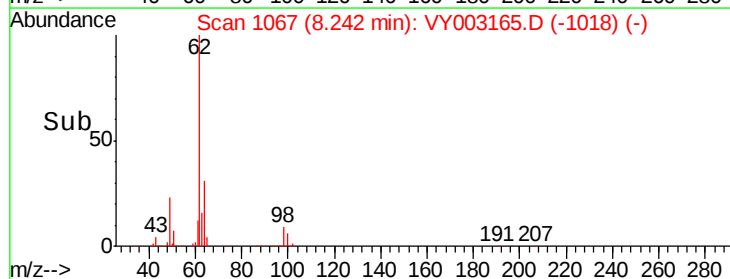
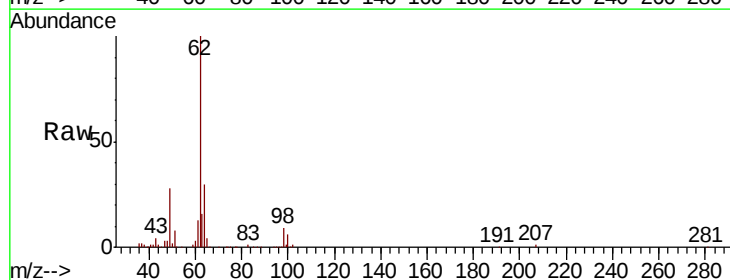
Manual Integrations
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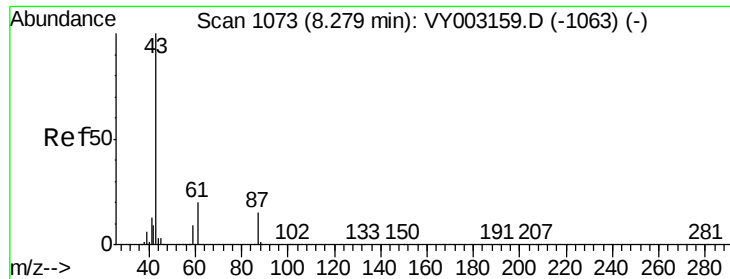
MMDadoda
7/13/2020 10:47:49 AM



#42
1,2-Dichloroethane
Concen: 20.245 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	62	Resp	112116
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

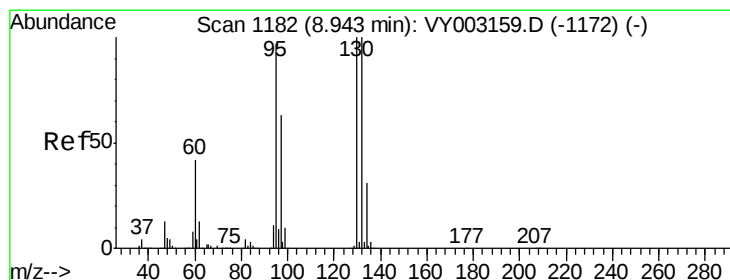
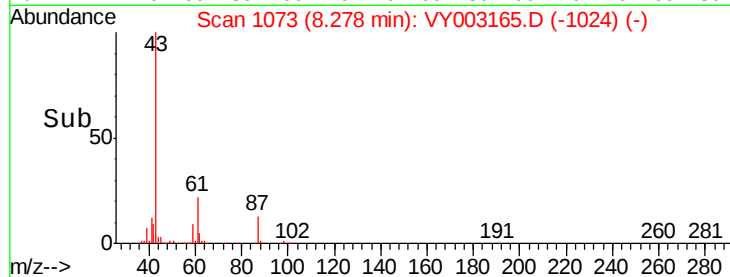
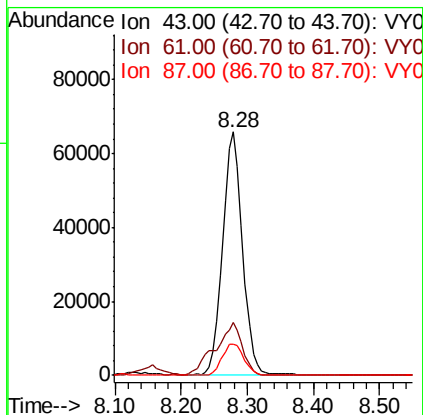
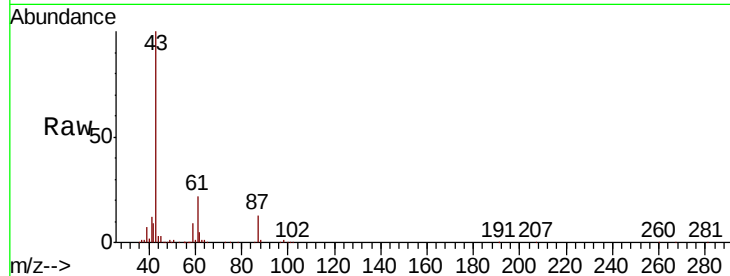
Isopropyl Acetate
 Concen: 20.080 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.7	35.5
87	14.1	11.4	17.0

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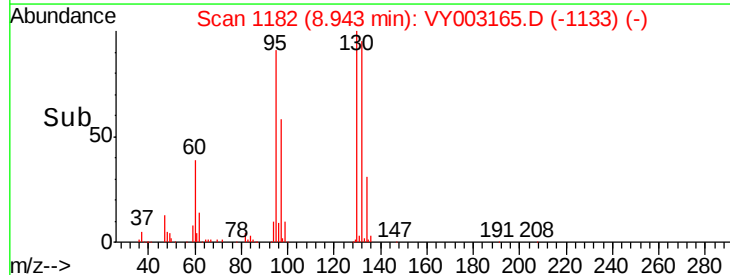
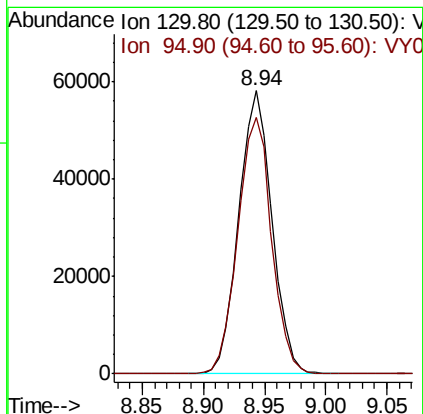
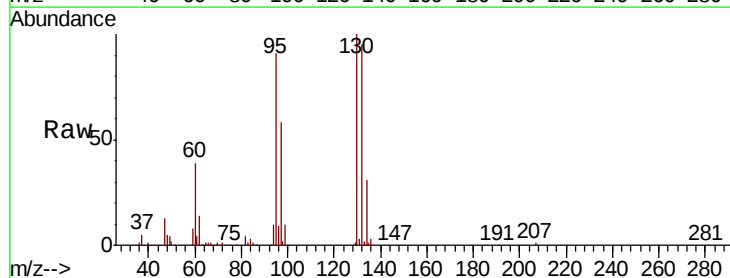
MMDadoda
 7/13/2020 10:47:49 AM

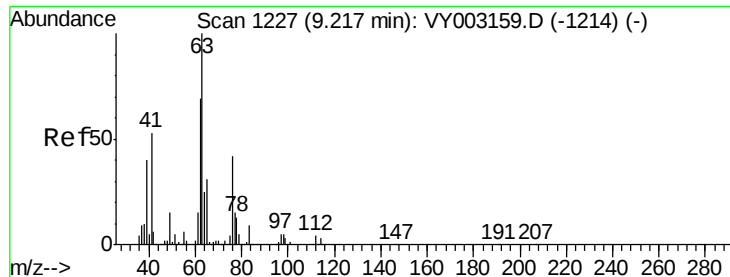


#44

Trichloroethene
 Concen: 19.868 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	193.8





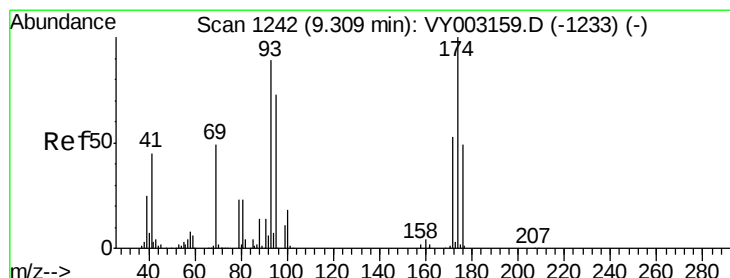
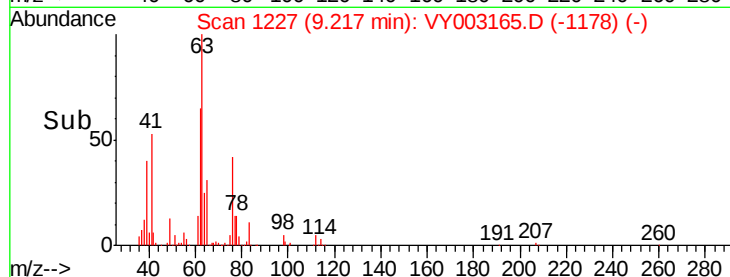
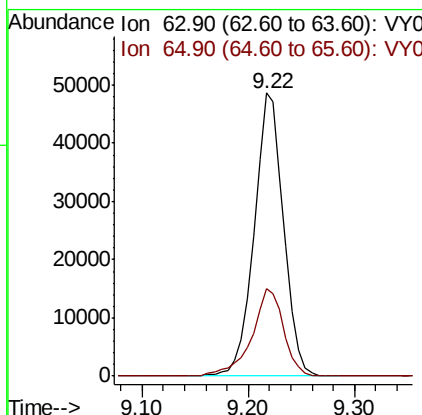
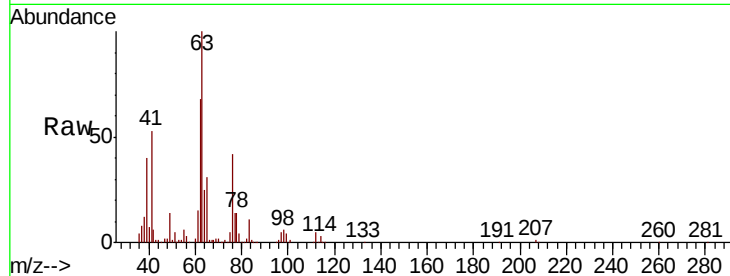
#45
 1,2-Dichloropropane
 Concen: 20.118 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.0	37.4

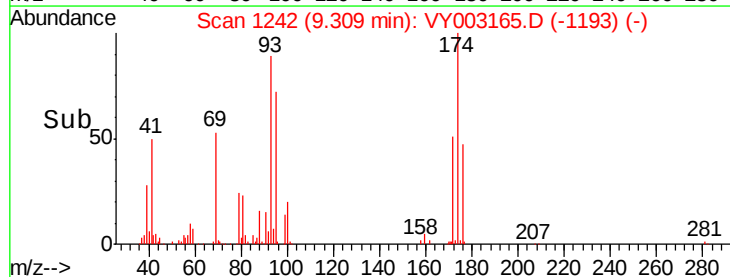
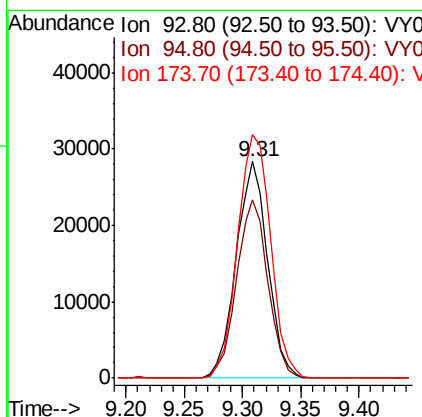
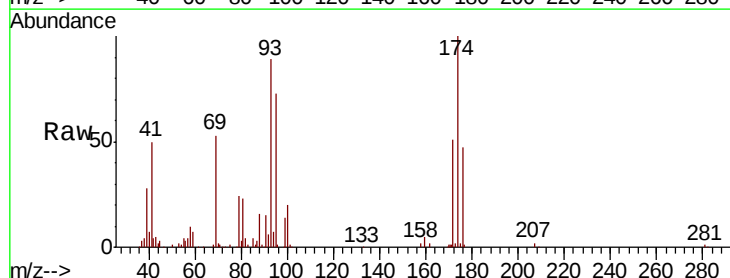
Manual Integrations
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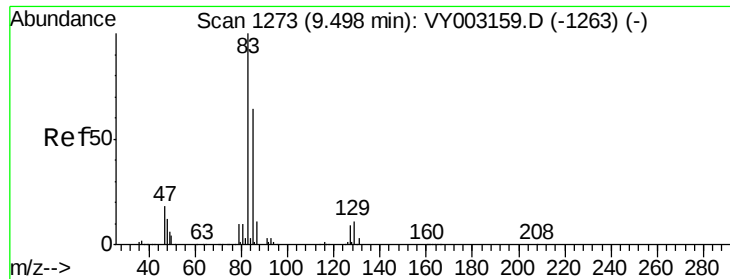
MMDadoda
 7/13/2020 10:47:49 AM



#46
 Dibromomethane
 Concen: 19.675 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.6	99.8
174	118.4	90.2	135.4





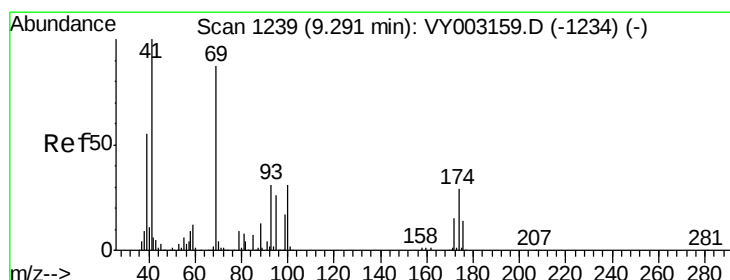
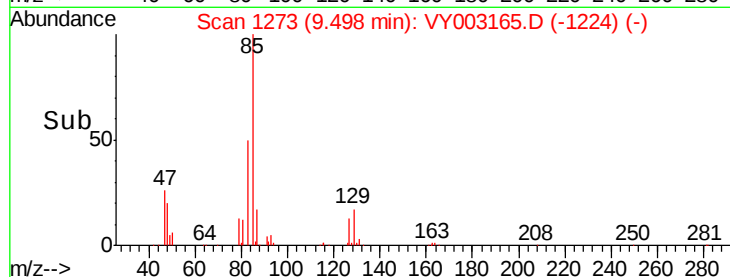
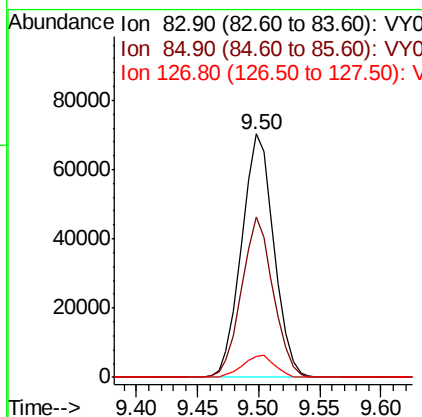
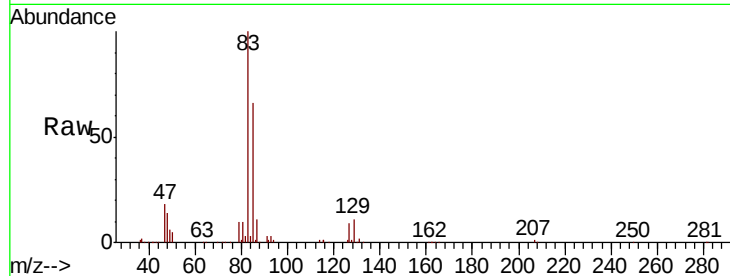
#47
Bromodichloromethane
Concen: 20.007 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	83	Resp	129361
Ion Ratio	Lower	Upper	
83	100		
85	66.1	50.9	76.3
127	8.7	7.0	10.4

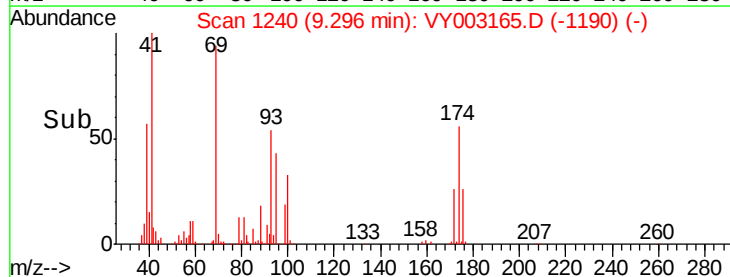
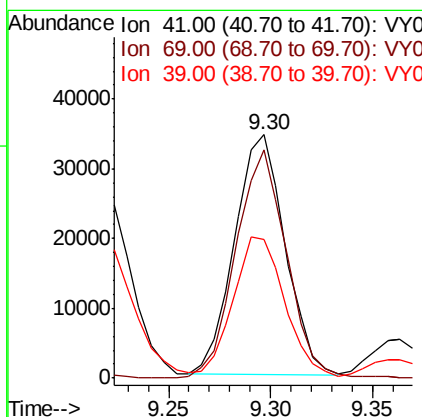
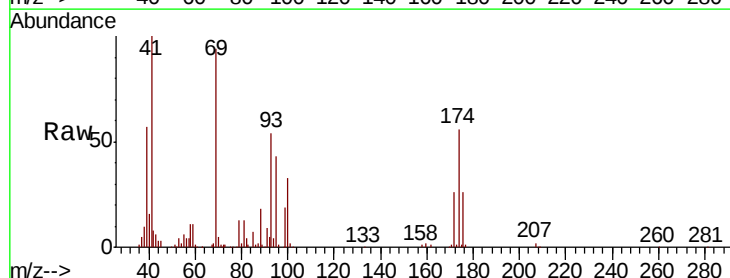
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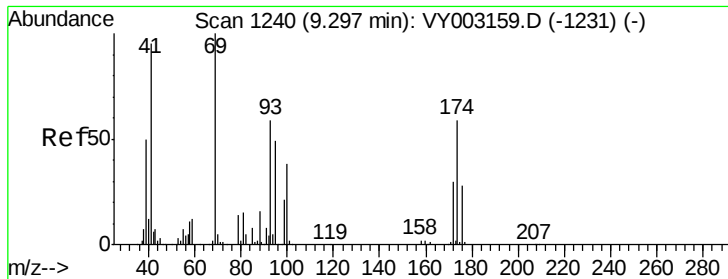
MMDadoda
7/13/2020 10:47:49 AM



#48
Methyl methacrylate
Concen: 19.436 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	41	Resp	59170
Ion Ratio	Lower	Upper	
41	100		
69	95.6	74.5	111.7
39	60.8	47.5	71.3





#49

1,4-Dioxane

Concen: 411.326 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 88 Resp: 14192

Ion Ratio Lower Upper

88 100

43 31.6 25.6 38.4

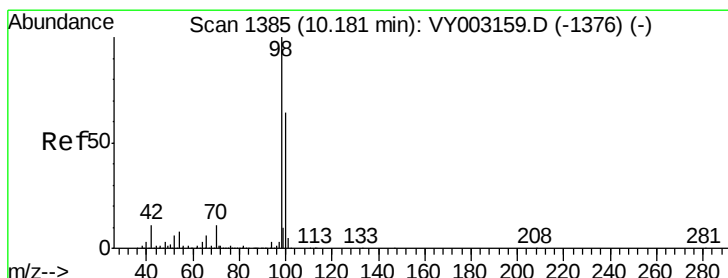
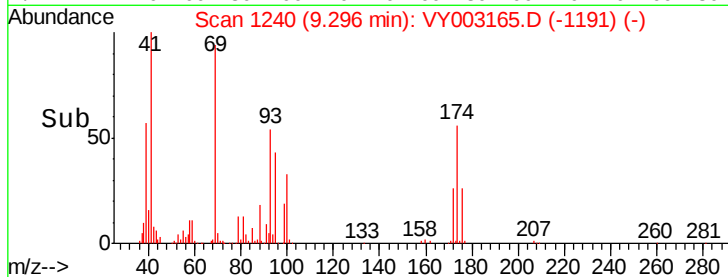
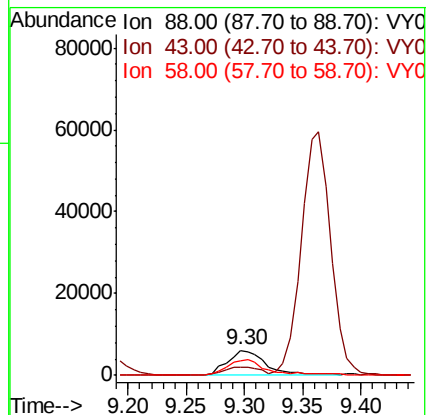
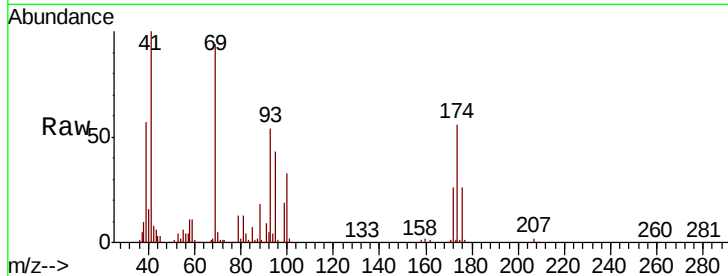
58 67.2 47.8 71.6

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#50

Toluene-d8

Concen: 45.355 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003165.D

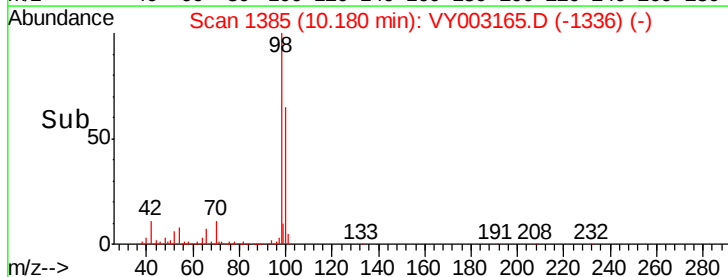
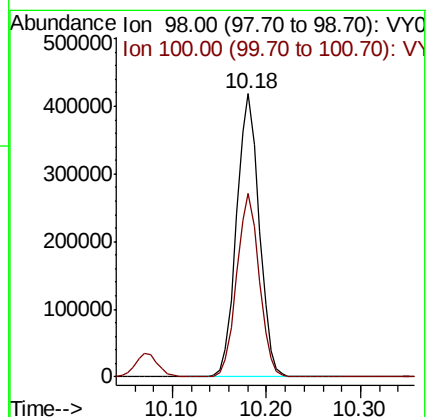
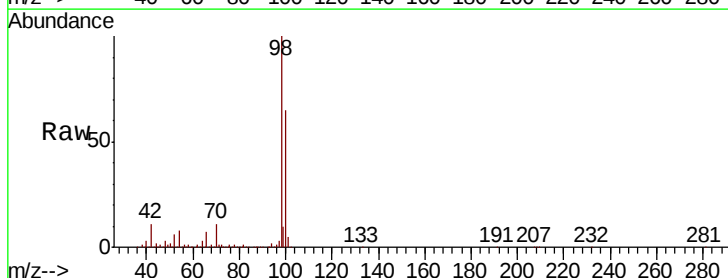
Acq: 10 Jul 2020 15:57

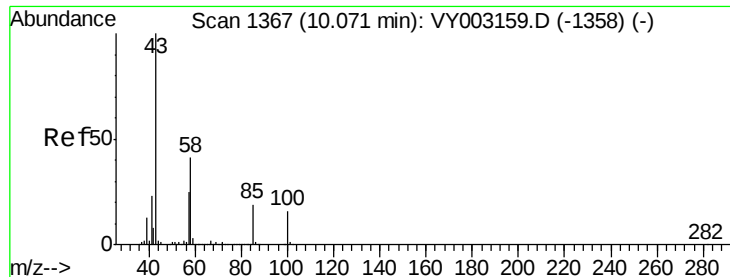
Tgt Ion: 98 Resp: 699468

Ion Ratio Lower Upper

98 100

100 64.2 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 99.421 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 43 Resp: 351909

Ion Ratio Lower Upper

43 100

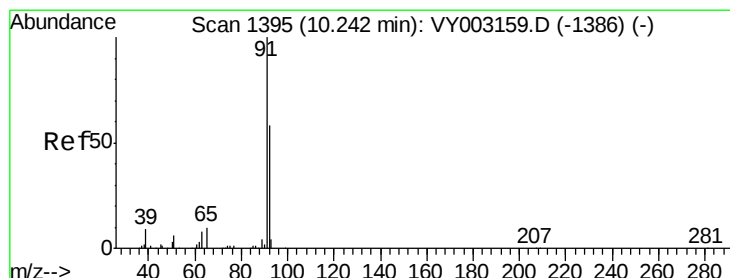
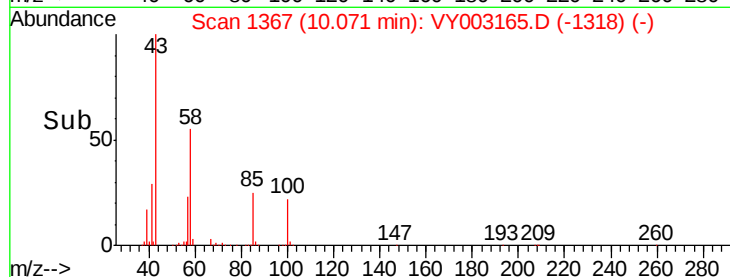
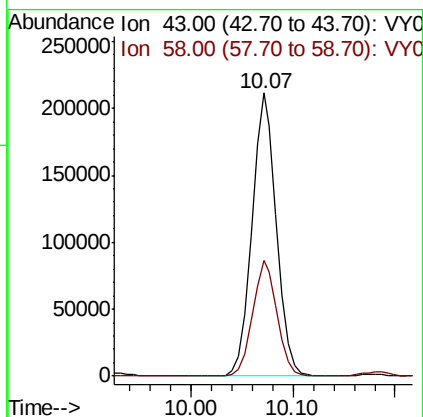
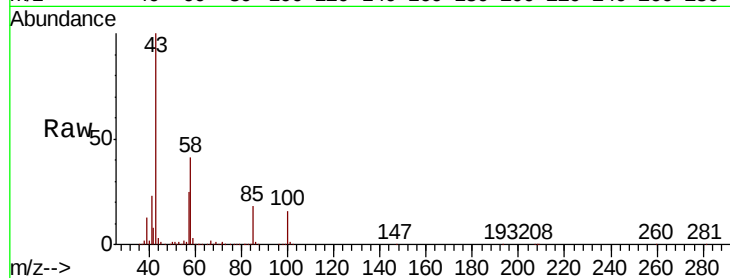
58 40.8 32.7 49.1

Manual Integrations

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#52

Toluene

Concen: 19.882 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003165.D

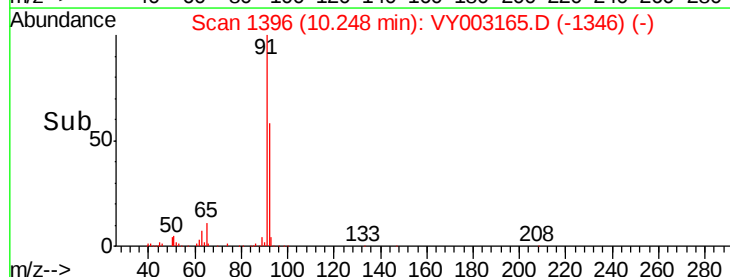
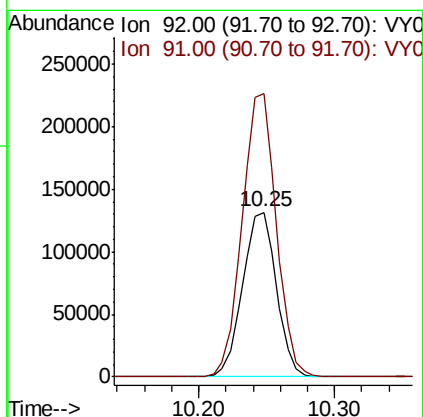
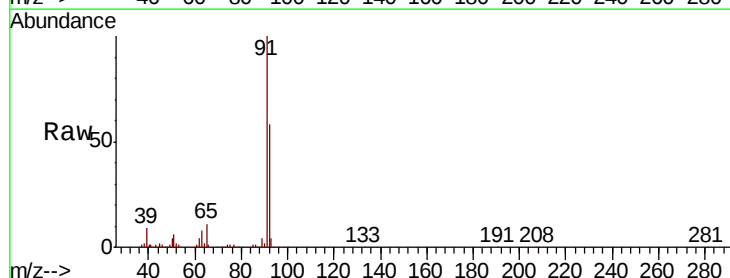
Acq: 10 Jul 2020 15:57

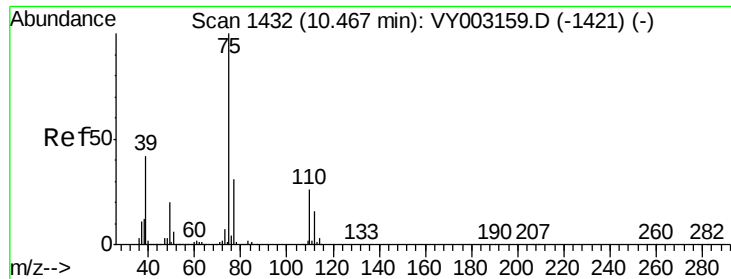
Tgt Ion: 92 Resp: 228596

Ion Ratio Lower Upper

92 100

91 173.4 139.7 209.5





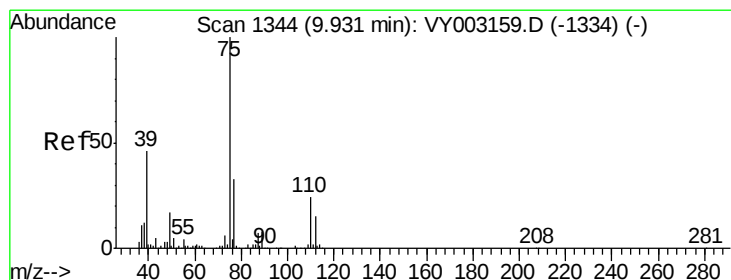
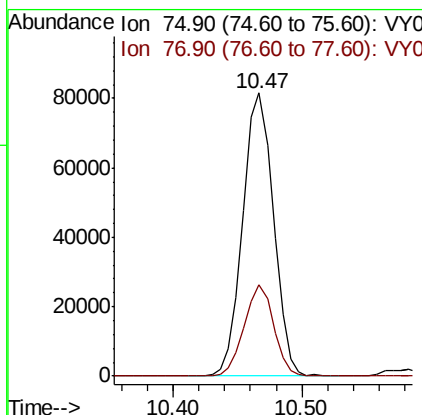
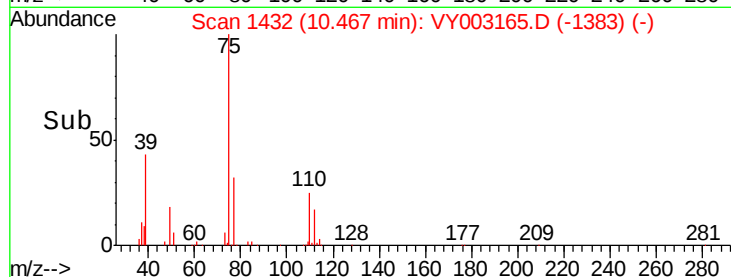
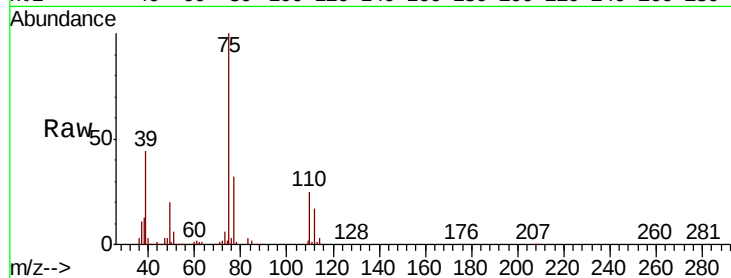
#53
t-1,3-Dichloropropene
Concen: 20.156 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.2	37.8

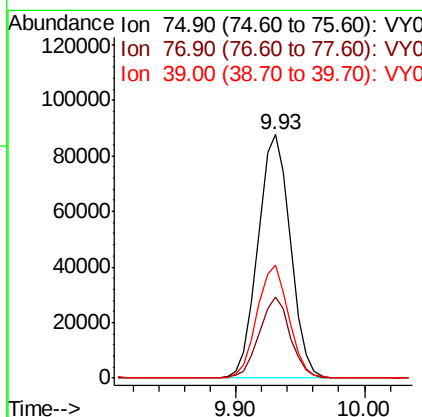
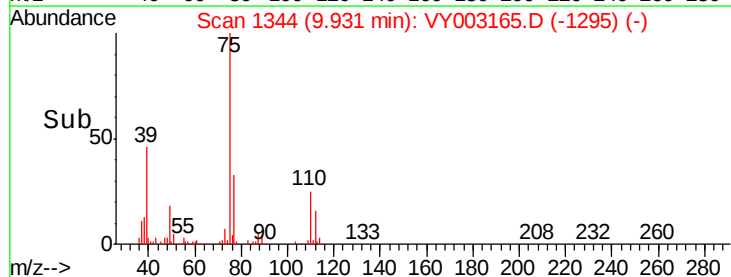
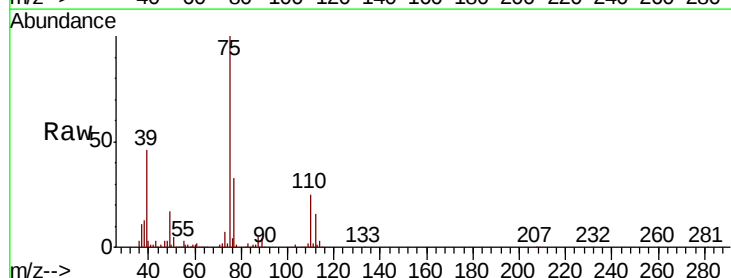
Manual Integrations
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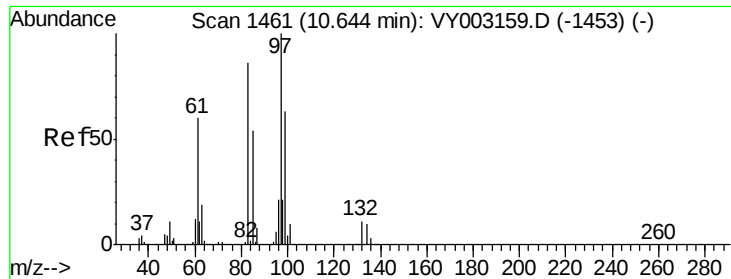
MMDadoda
7/13/2020 10:47:49 AM



#54
cis-1,3-Dichloropropene
Concen: 19.727 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.7	40.1
39	46.1	37.0	55.6





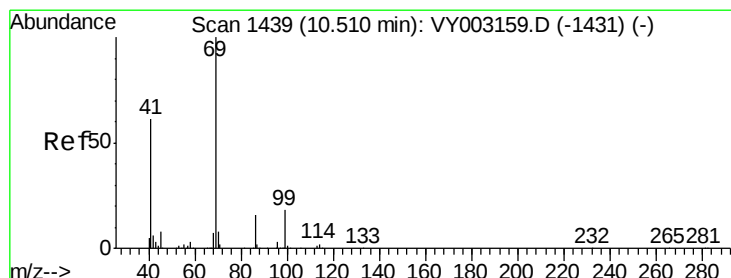
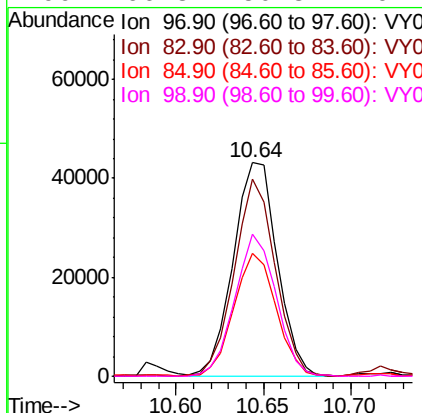
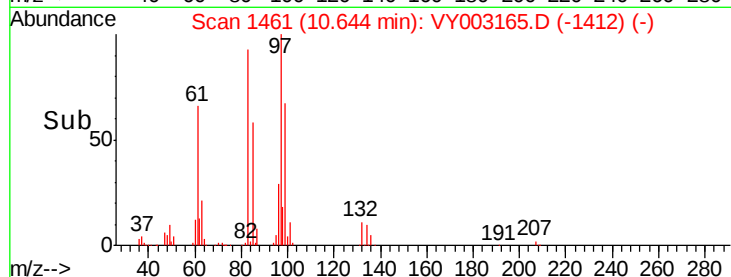
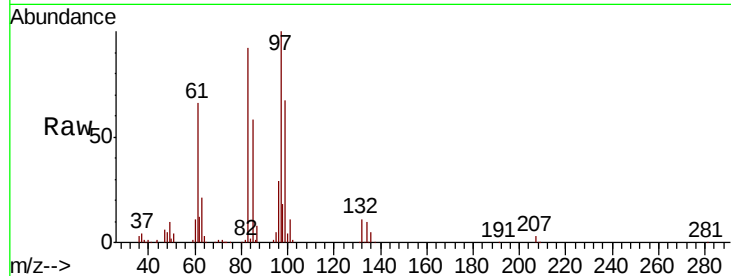
#55
 1,1,2-Trichloroethane
 Concen: 19.564 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBS01

Tot Ion:	97	Resp:	75367
Ion	Ratio	Lower	Upper
97	100		
83	92.3	68.8	103.2
85	57.6	43.1	64.7
99	66.8	50.8	76.2

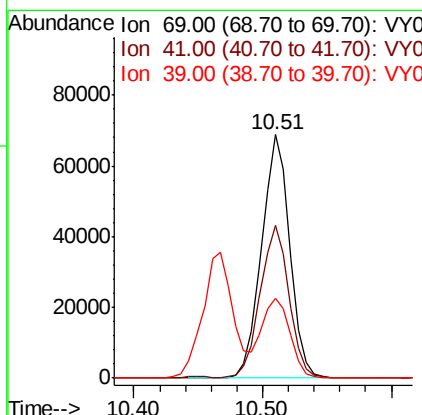
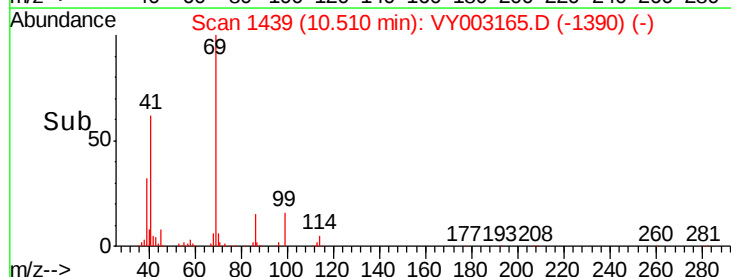
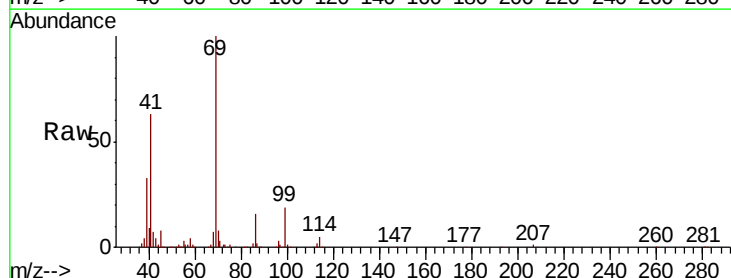
Manual Integrations
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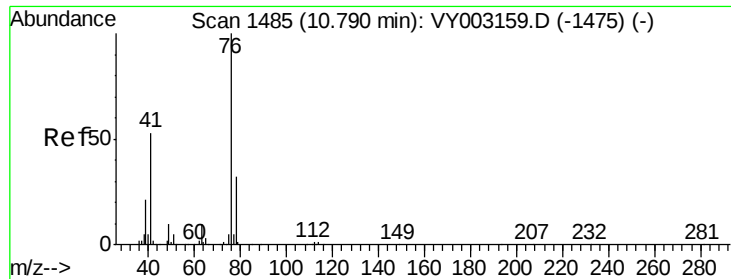
MMDadoda
 7/13/2020 10:47:49 AM



#56
 Ethyl methacrylate
 Concen: 19.866 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Tgt Ion:	69	Resp:	104044
Ion	Ratio	Lower	Upper
69	100		
41	63.8	50.0	75.0
39	32.4	27.6	41.4





#57

1,3-Dichloropropane

Concen: 19.906 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 76 Resp: 130026

Ion Ratio Lower Upper

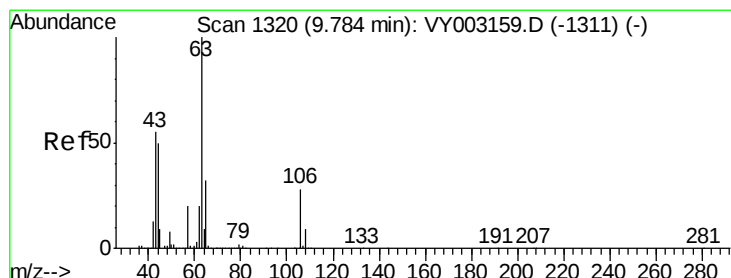
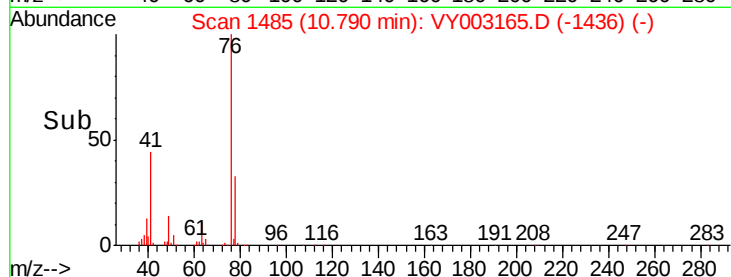
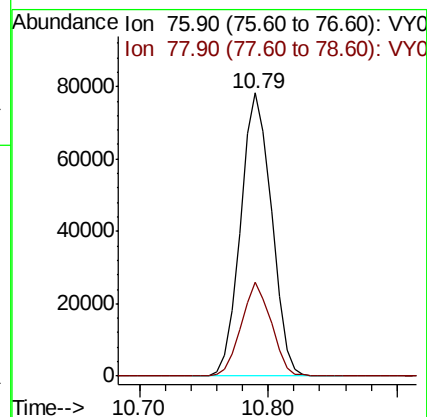
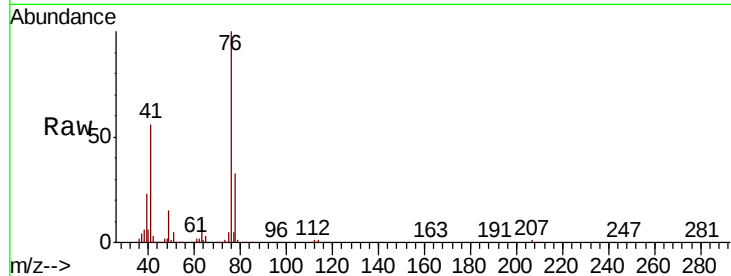
76 100

78 32.1 26.0 39.0

Manual Integrations
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7/13/2020 10:47:49 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.949 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003165.D

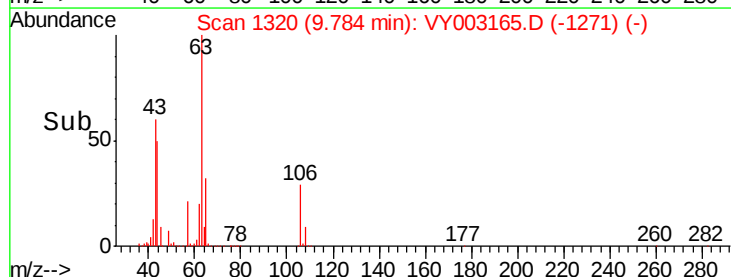
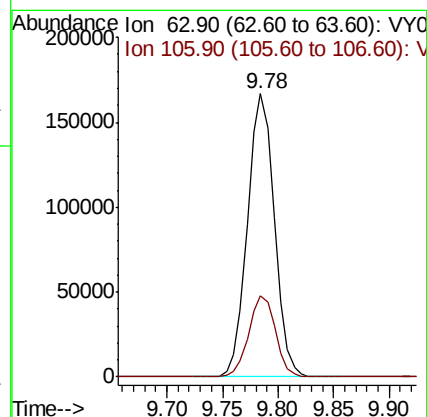
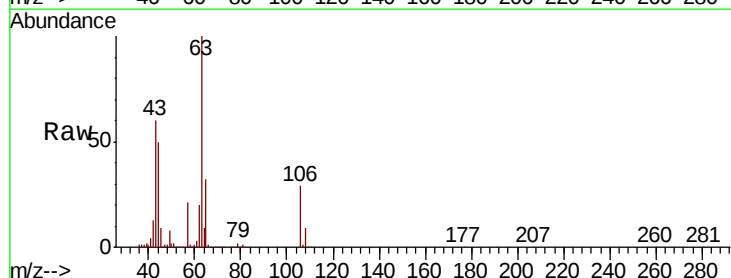
Acq: 10 Jul 2020 15:57

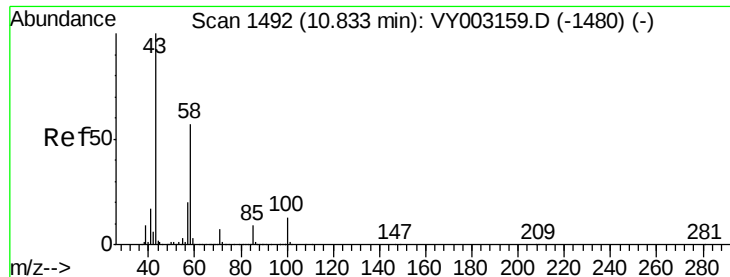
Tgt Ion: 63 Resp: 280325

Ion Ratio Lower Upper

63 100

106 28.4 22.9 34.3





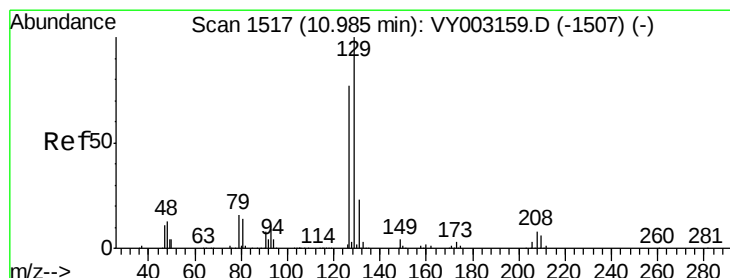
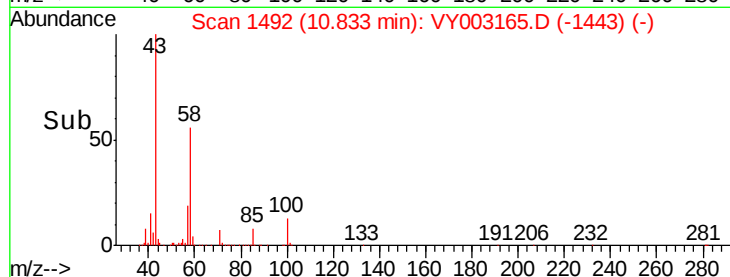
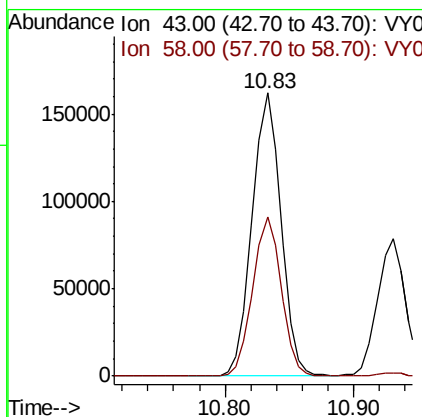
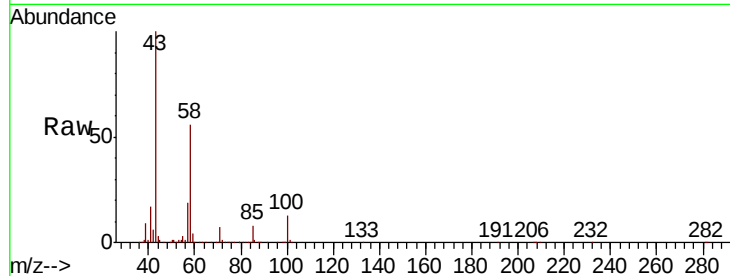
#59
2-Hexanone
Concen: 101.455 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	28.3	85.0

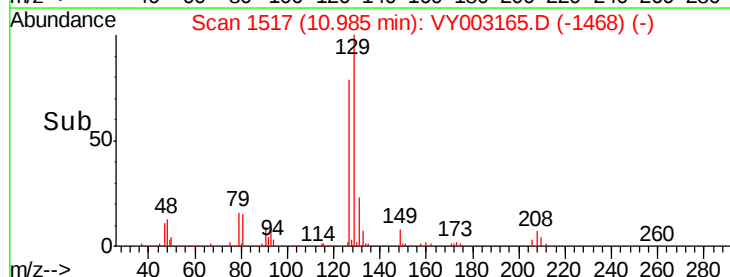
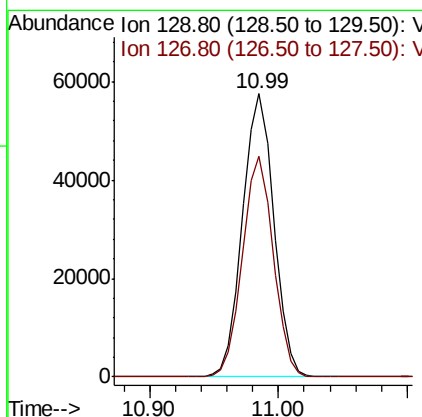
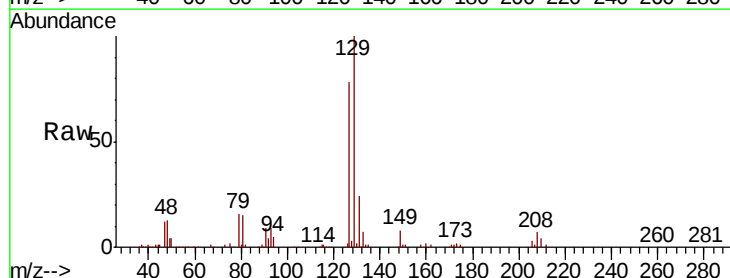
Manual Integrations
APPROVED

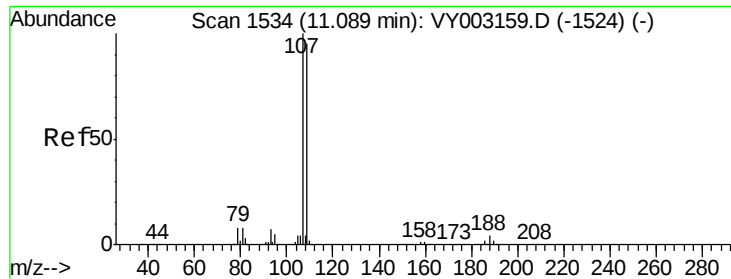
MMDadoda
7/13/2020 10:47:49 AM



#60
Dibromochloromethane
Concen: 19.937 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.5





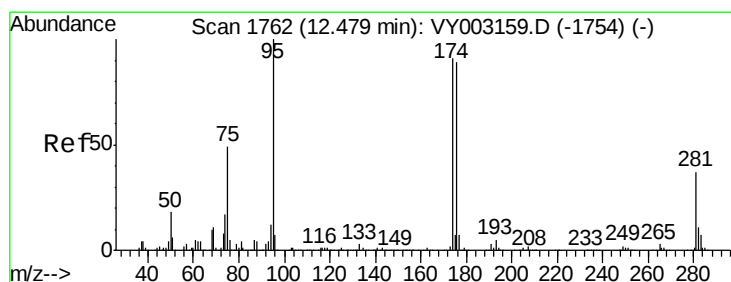
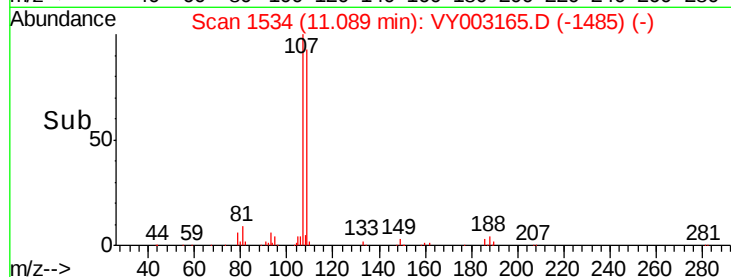
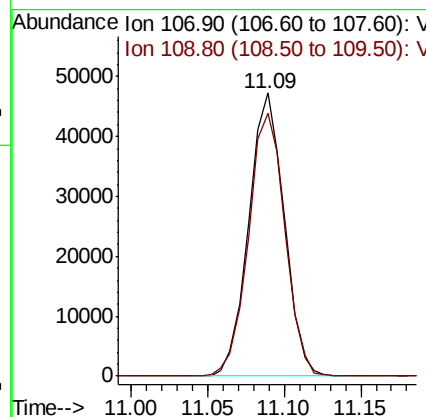
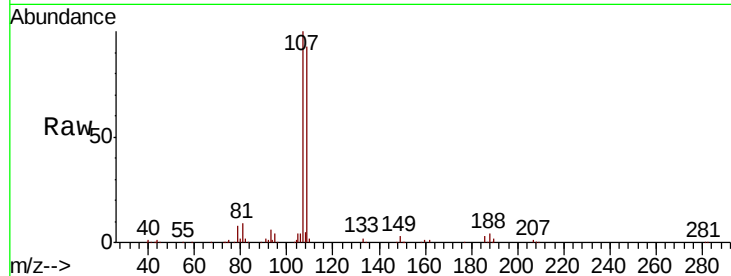
#61
1,2-Dibromoethane
Concen: 20.047 ug/l
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion: 107 Resp: 76222
Ion Ratio Lower Upper
107 100
109 95.8 75.6 113.4

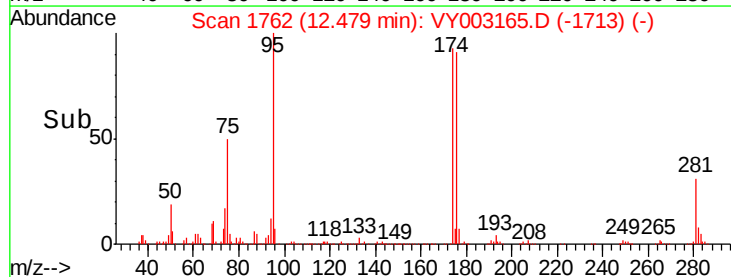
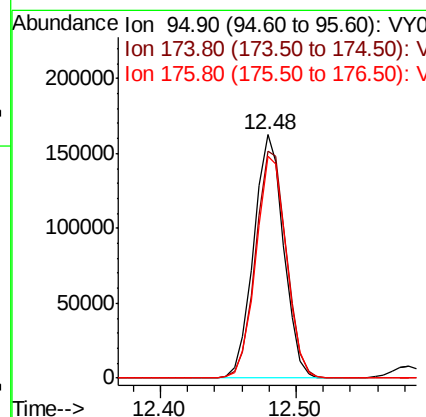
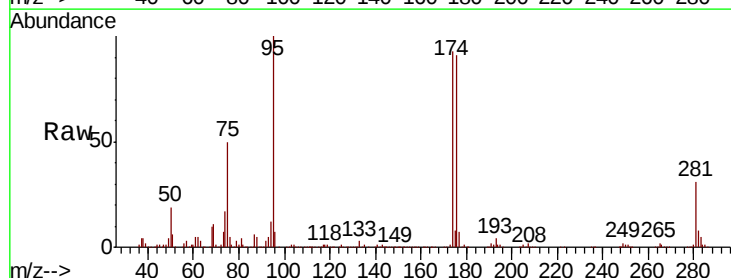
Manual Integrations
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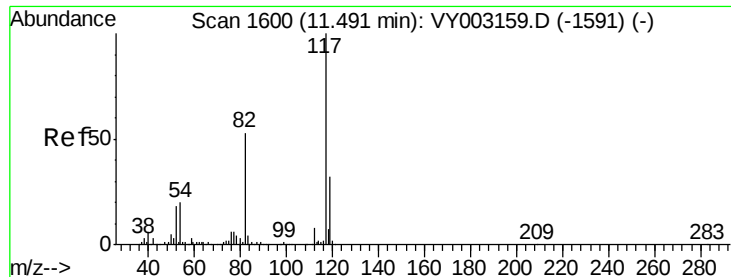
MMDadoda
7/13/2020 10:47:49 AM



#62
4-Bromofluorobenzene
Concen: 45.196 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion: 95 Resp: 251802
Ion Ratio Lower Upper
95 100
174 96.1 0.0 190.6
176 92.8 0.0 186.4





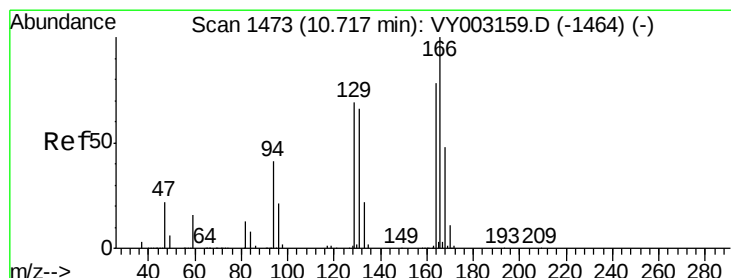
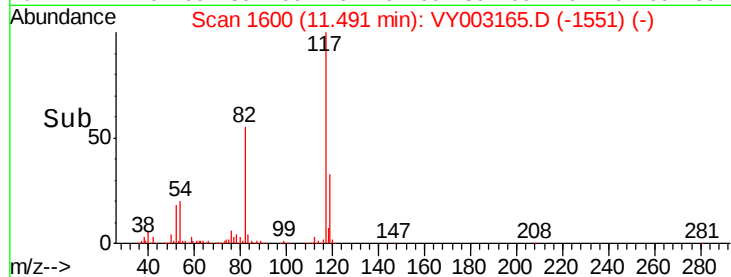
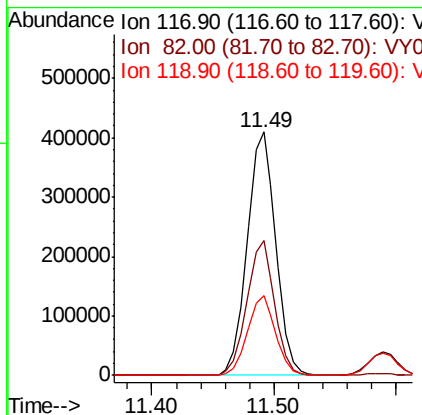
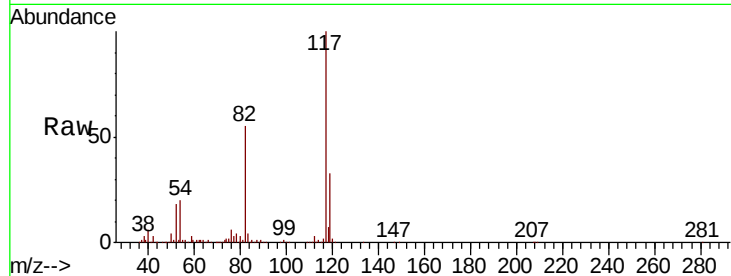
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.0	63.0
119	33.0	25.5	38.3

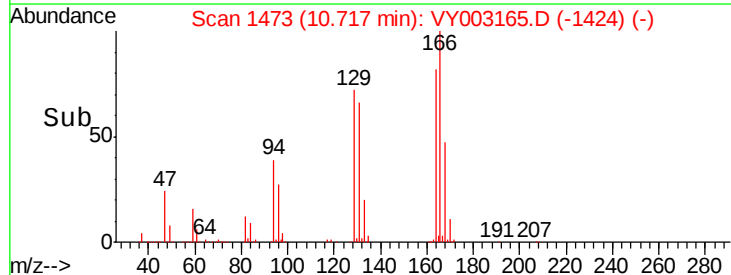
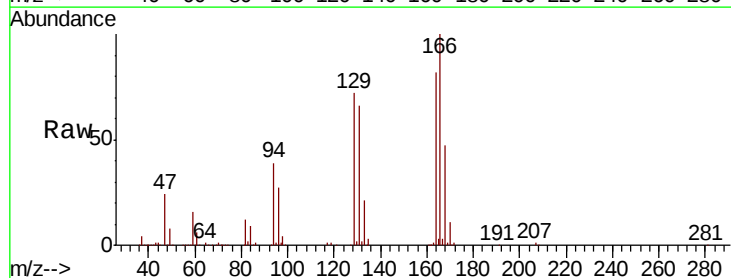
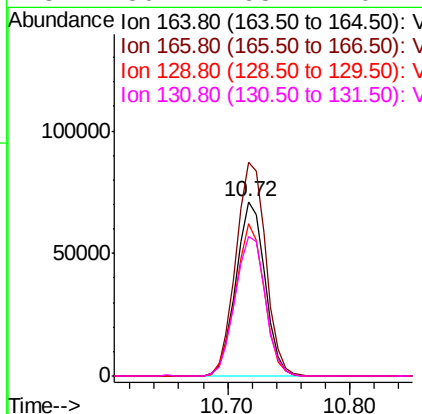
Manual Integrations
APPROVED

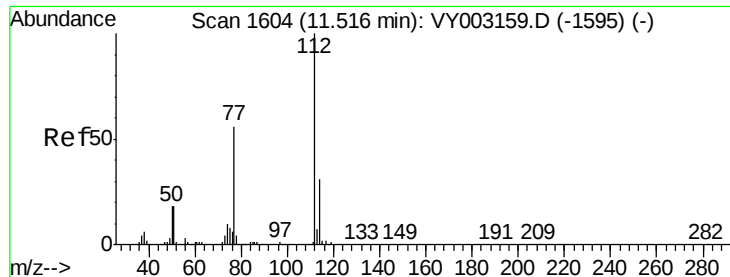
MMDadoda
7/13/2020 10:47:49 AM



#64
Tetrachloroethene
Concen: 19.668 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	102.9	154.3
129	87.5	71.4	107.2
131	80.2	68.1	102.1





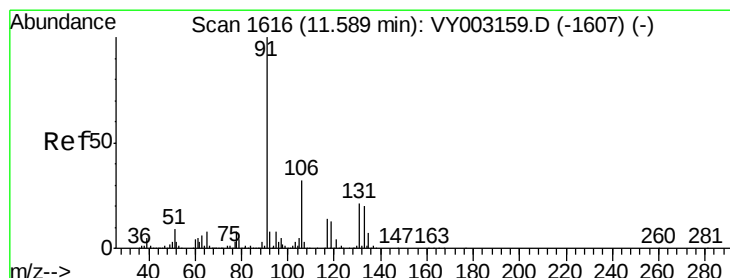
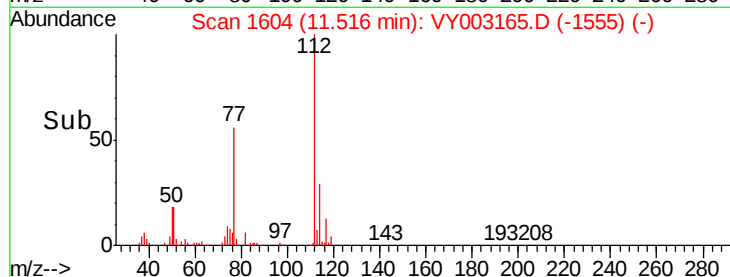
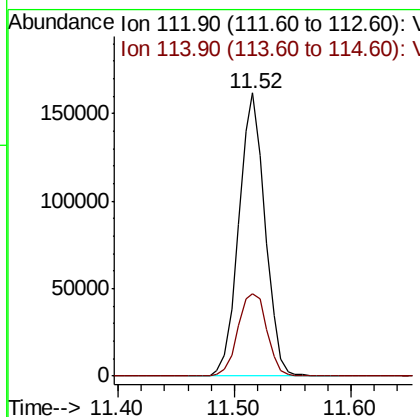
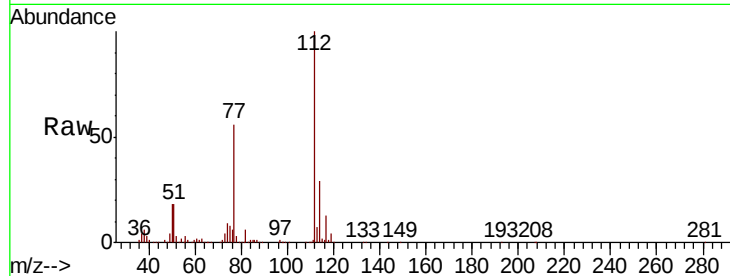
#65
Chlorobenzene
Concen: 19.884 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion:112 Resp: 254168
Ion Ratio Lower Upper
112 100
114 29.1 24.7 37.1

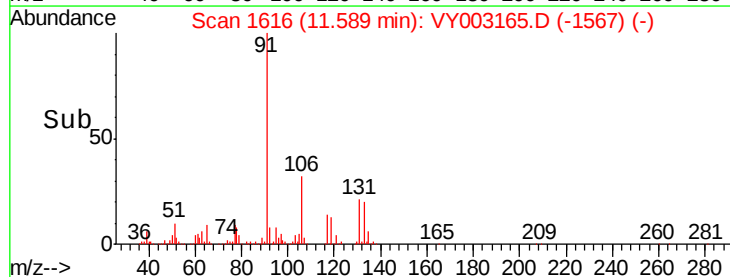
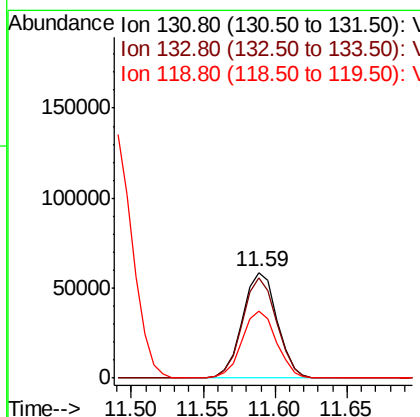
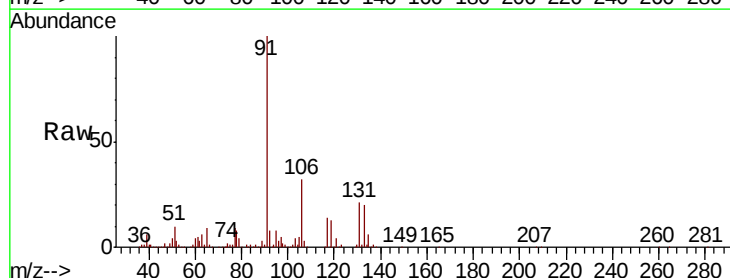
Manual Integrations
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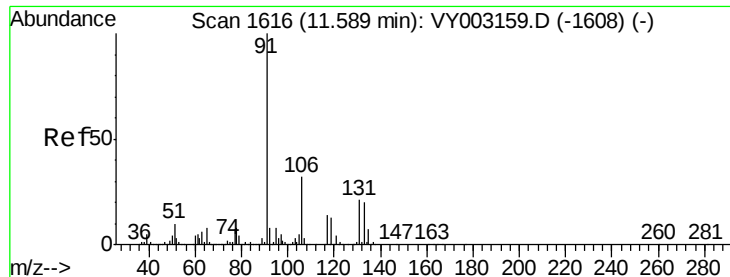
MMDadoda
7/13/2020 10:47:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.639 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion:131 Resp: 97502
Ion Ratio Lower Upper
131 100
133 94.0 48.0 144.0
119 63.3 32.4 97.0





#67

Ethyl Benzene

Concen: 19.812 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBS01

Tot Ion: 91 Resp: 452181

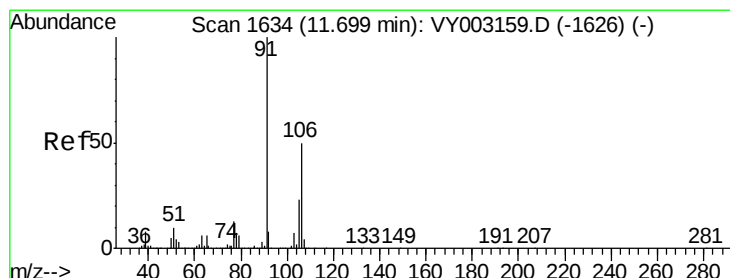
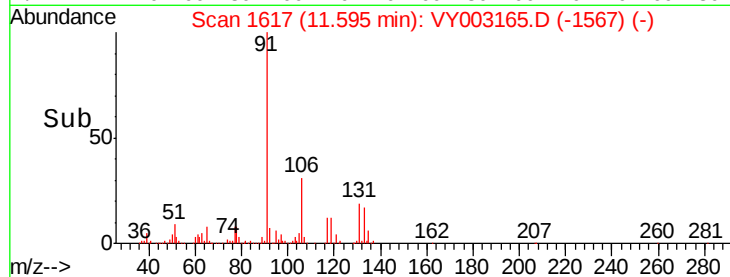
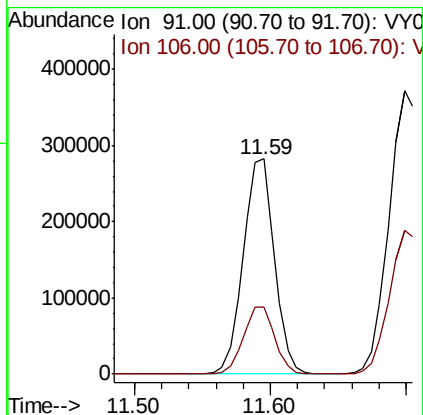
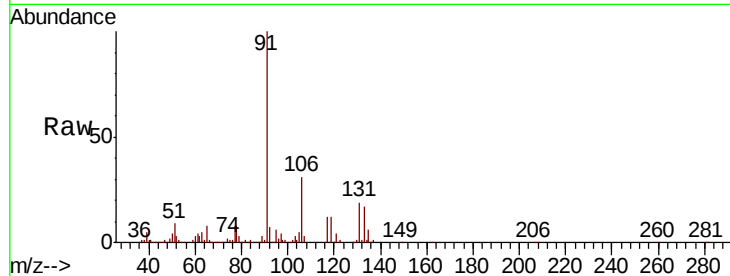
Ion Ratio Lower Upper

91 100

106 31.1 25.5 38.3

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 39.683 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003165.D

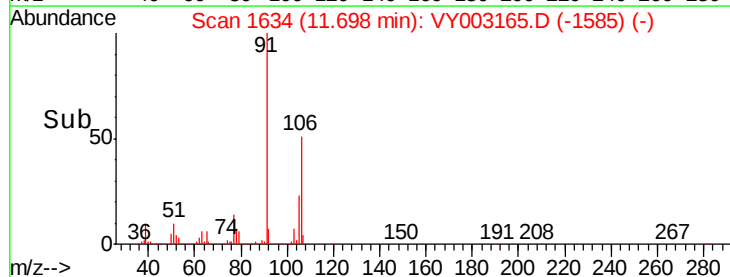
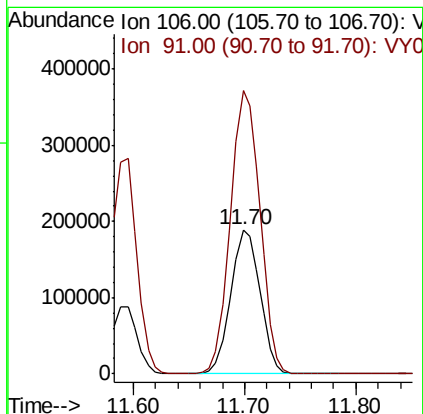
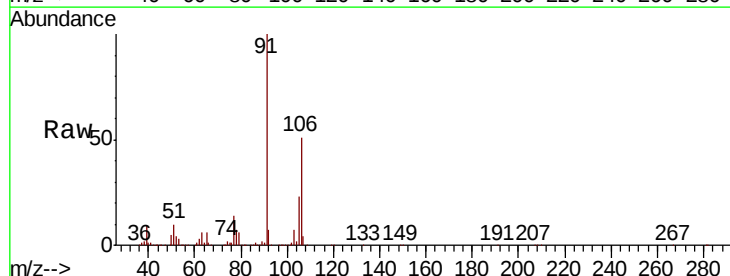
Acq: 10 Jul 2020 15:57

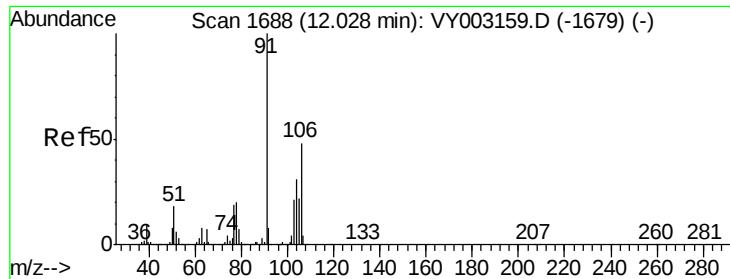
Tgt Ion: 106 Resp: 343655

Ion Ratio Lower Upper

106 100

91 198.8 159.0 238.6





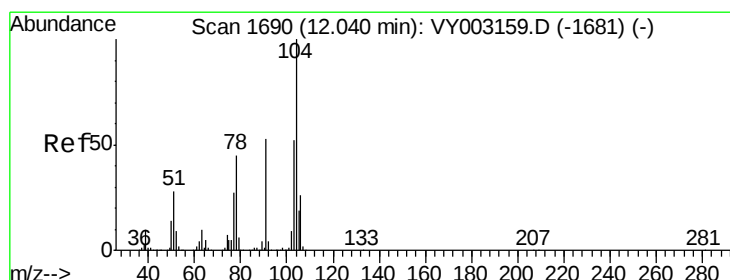
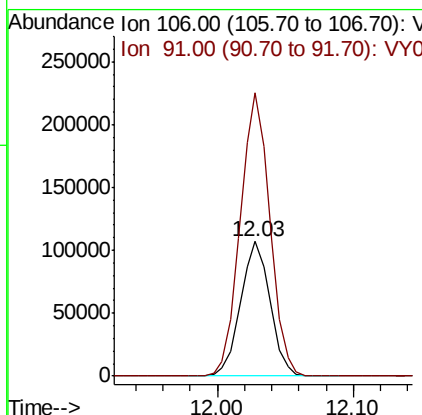
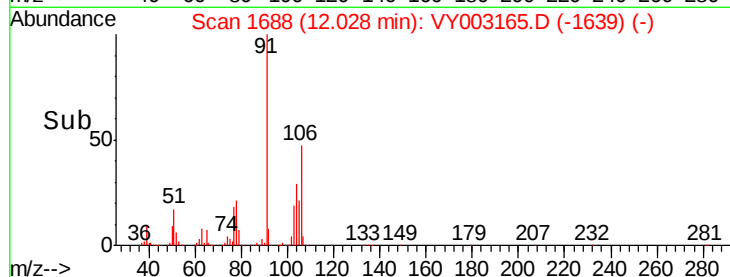
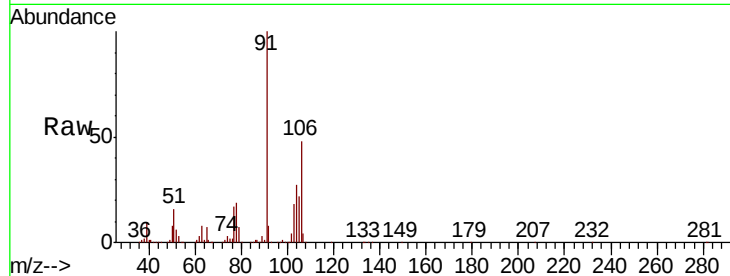
#69
o-Xylene
Concen: 20.043 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	162150		
91	91	211.1	105.1	315.1	

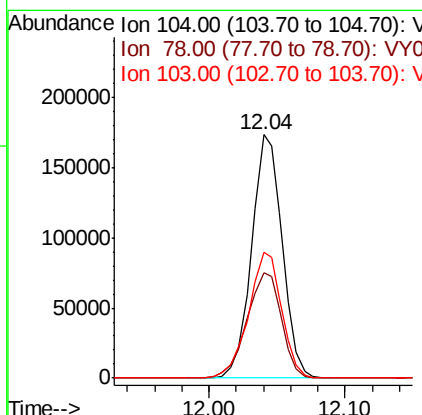
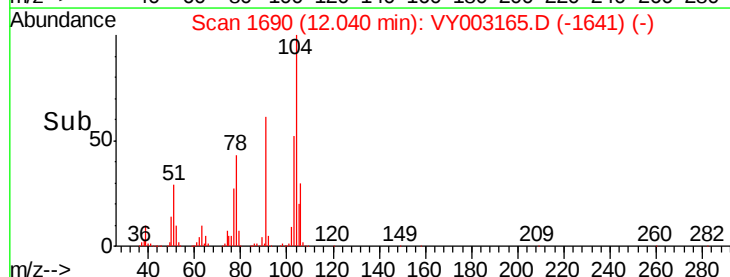
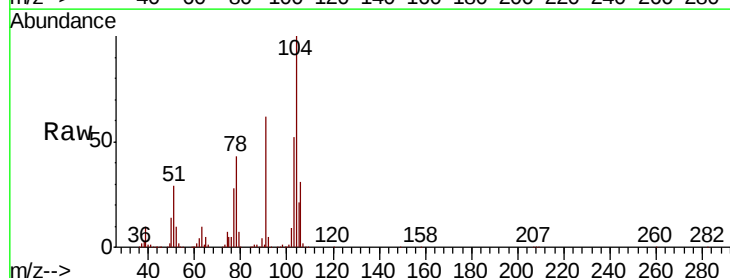
Manual Integrations
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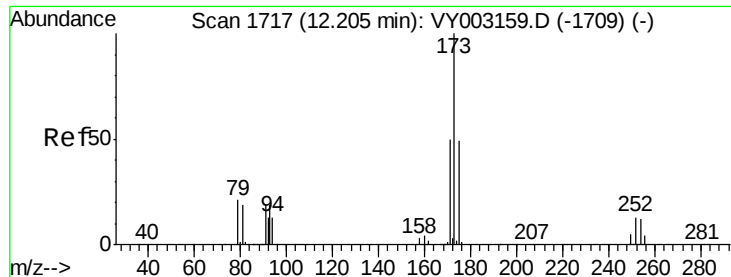
MMDadoda
7/13/2020 10:47:49 AM



#70
Styrene
Concen: 19.758 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	273444		
78	78	49.1	38.5	57.7	
103	103	55.9	43.9	65.9	





#71

Bromoform

Concen: 20.074 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

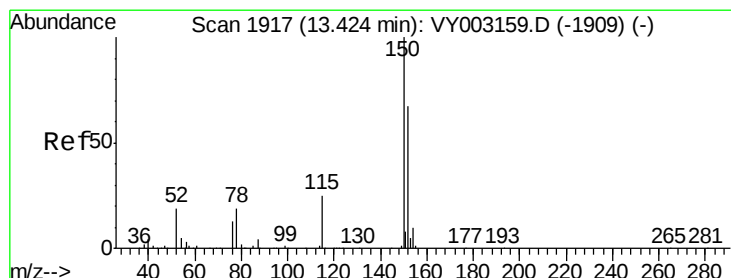
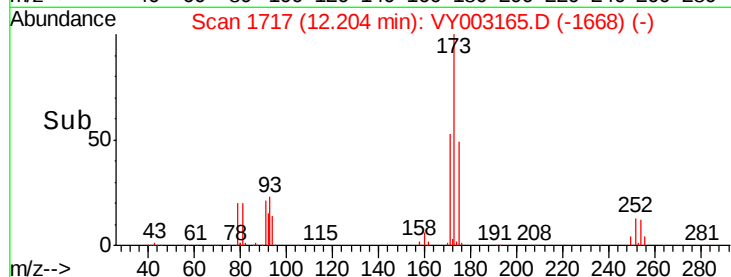
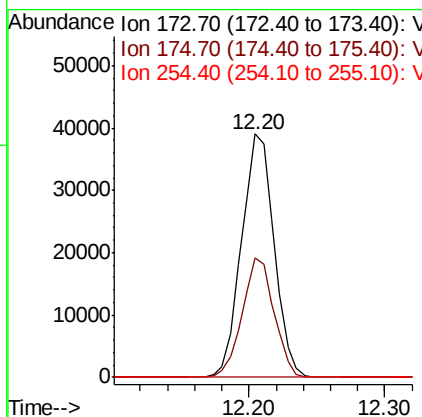
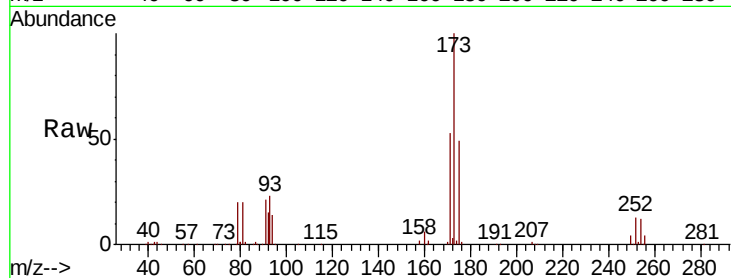
ClientSampleId :

VY0710SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	73.0
254	0.1	0.2	0.2

Manual Integrations
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7/13/2020 10:47:49 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

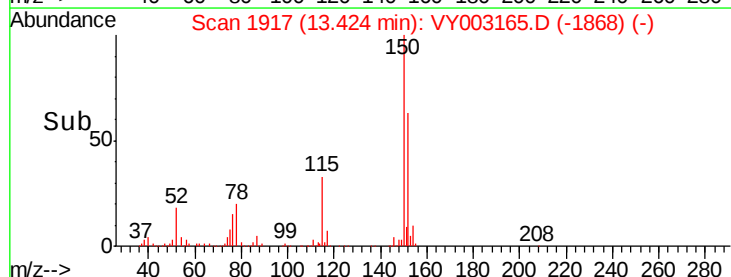
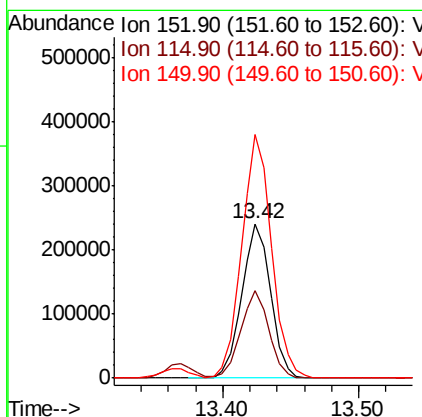
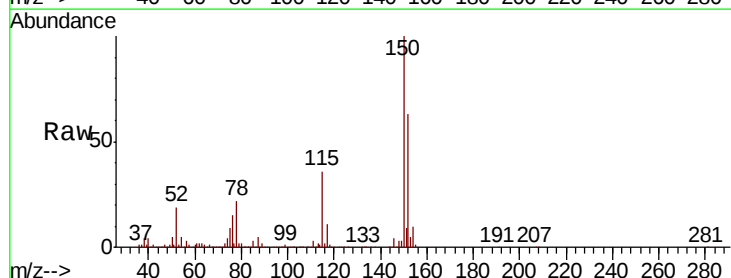
RT: 13.42 min Scan# 1917

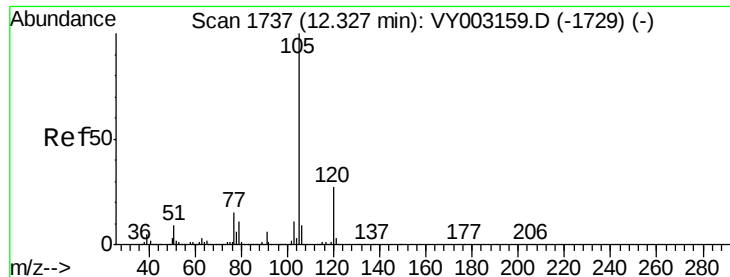
Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	26.9	80.7
150	163.3	0.0	338.0





#73

Isopropylbenzene

Concen: 19.664 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0710SBSD01

Tot Ion: 105 Resp: 444550

Ion Ratio Lower Upper

105 100

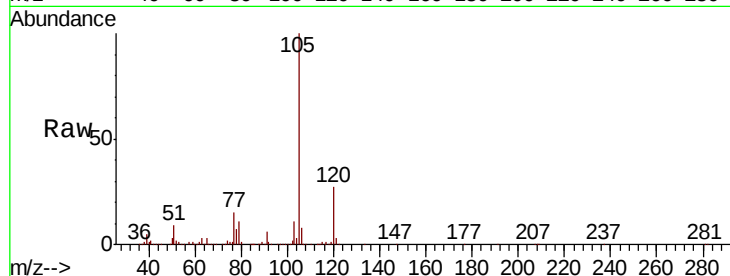
120 27.0 13.4 40.2

Manual Integrations

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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

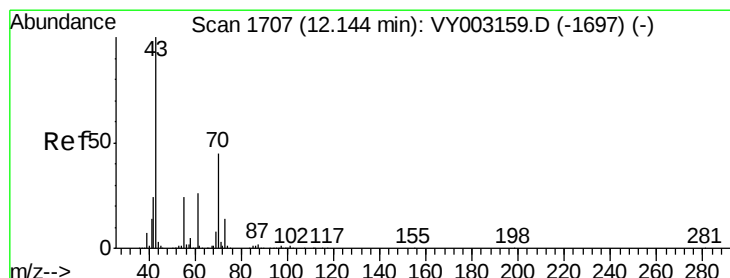
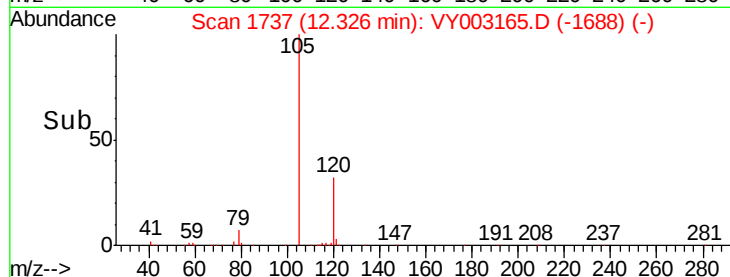
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.866 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Tgt Ion: 43 Resp: 126018

Ion Ratio Lower Upper

43 100

70 44.7 35.6 53.4

55 25.5 19.4 29.2

61 25.8 20.8 31.2

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

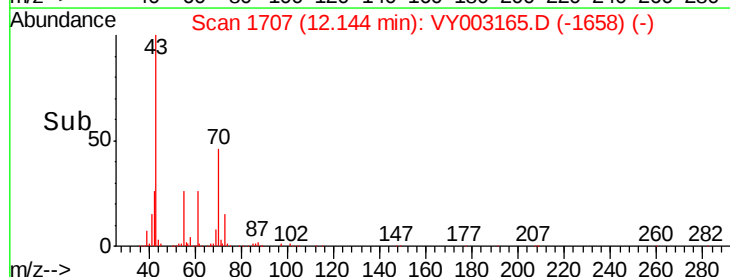
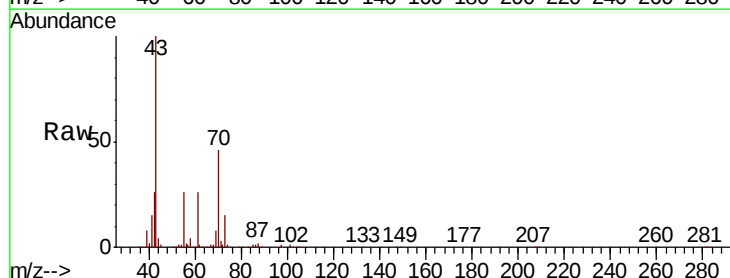
Ion 61.00 (60.70 to 61.70): VY0

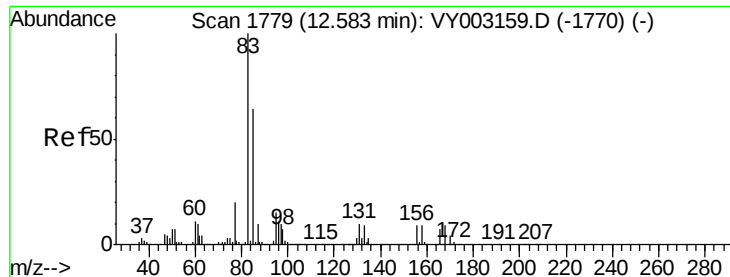
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.227 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

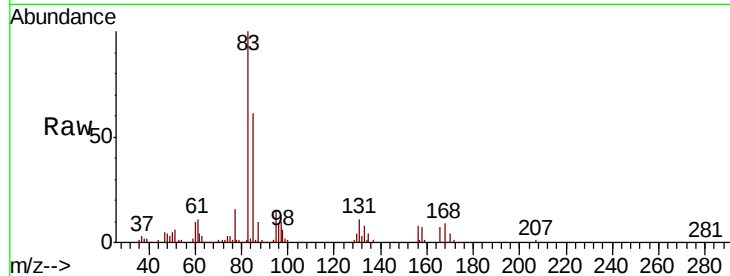
ClientSampleId :

VY0710SBSD01

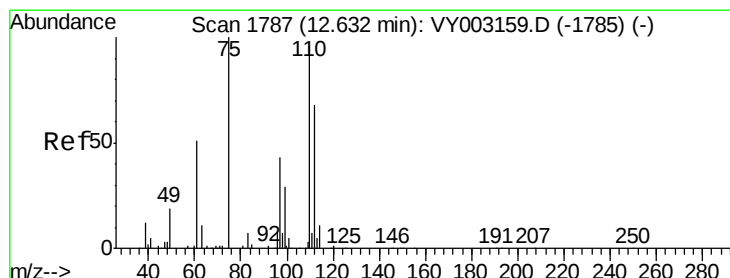
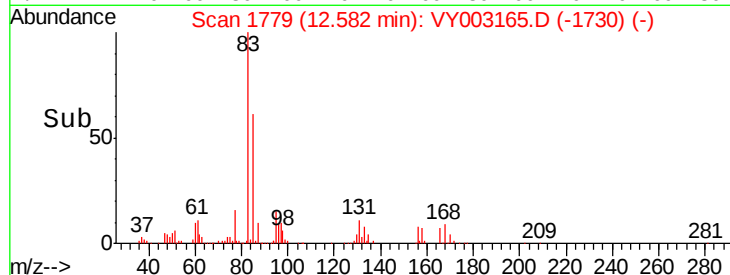
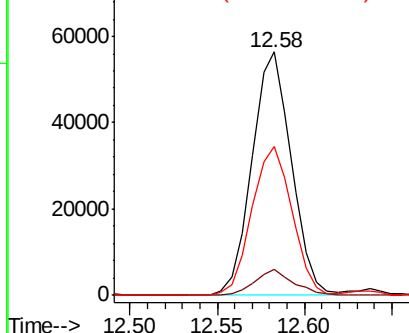
Tot Ion:	83	Resp:	88314
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	62.3	32.0	96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 20.170 ug/l m

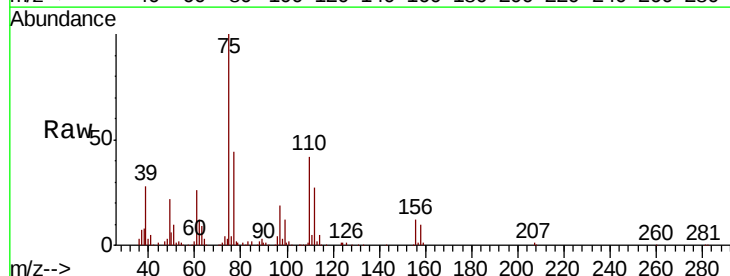
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

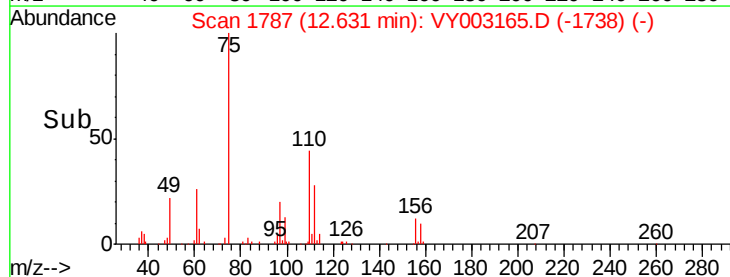
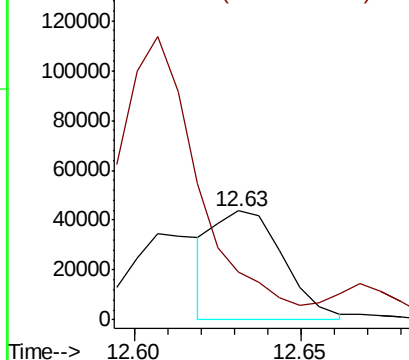
Lab File: VY003165.D

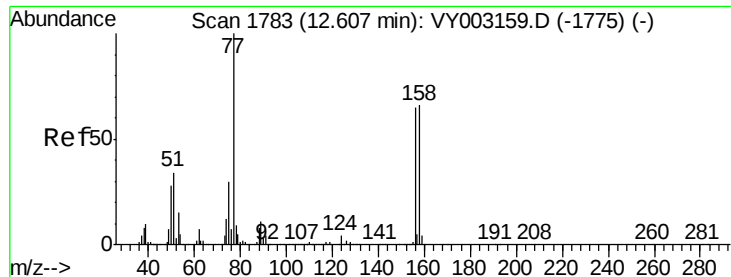
Acq: 10 Jul 2020 15:57

Tgt Ion:	75	Resp:	63338
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.172 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

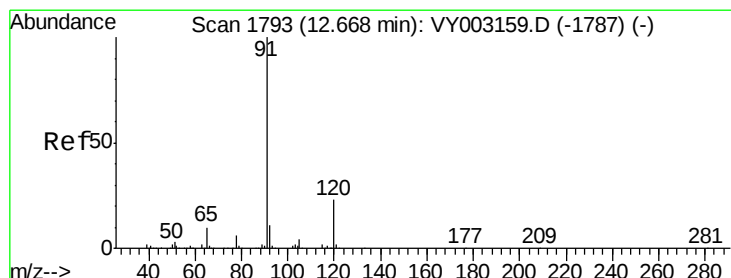
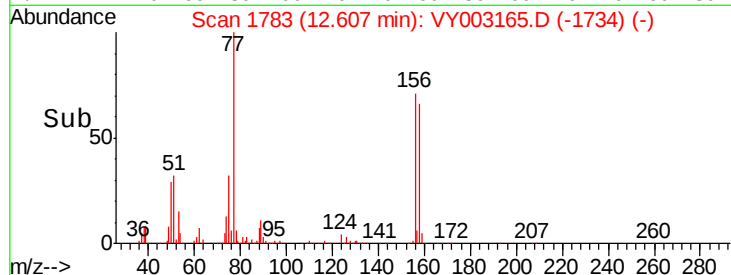
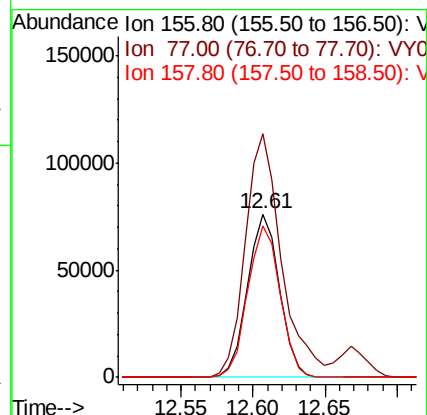
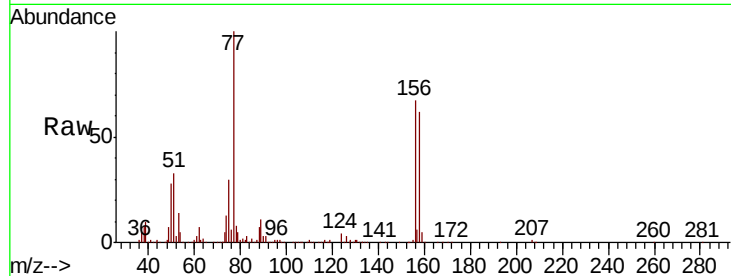
ClientSampleId :

VY0710SBS01

Tot Ion:	156	Resp:	116242
Ion Ratio	Lower	Upper	
156	100		
77	169.5	86.6	259.7
158	94.4	49.4	148.0

Manual Integrations
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#78

n-propylbenzene

Concen: 19.942 ug/l

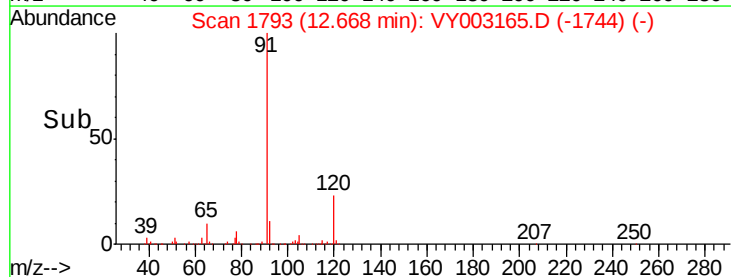
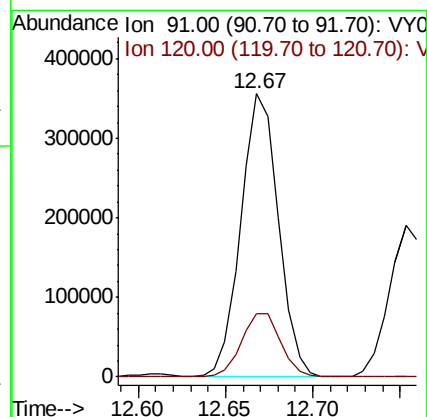
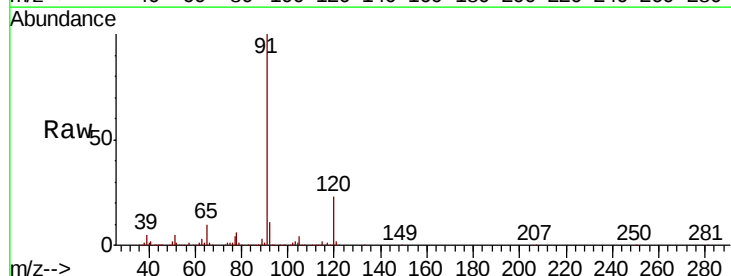
RT: 12.67 min Scan# 1793

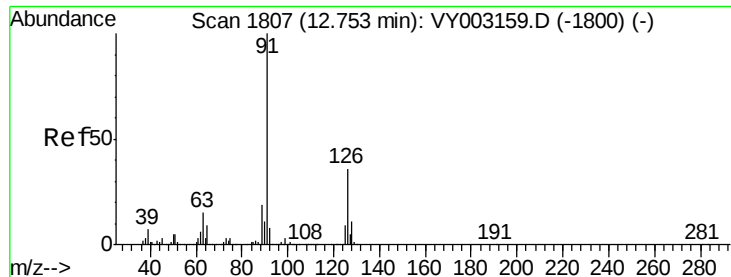
Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Tgt Ion:	91	Resp:	531406
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.7	35.1





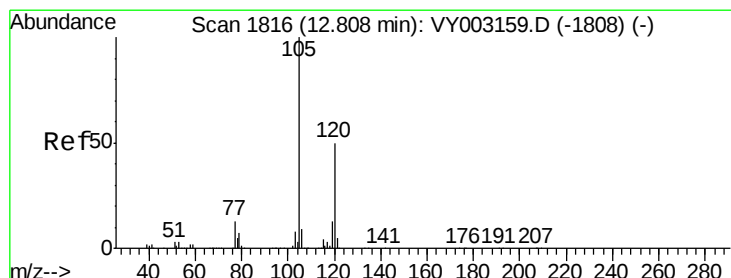
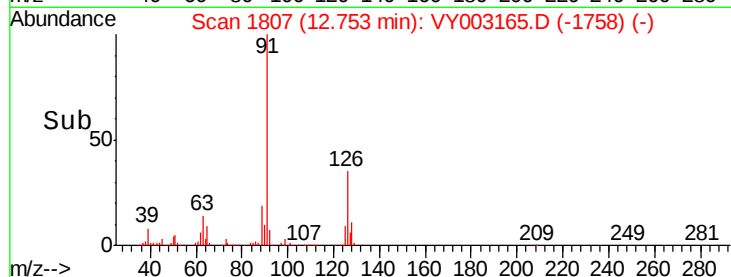
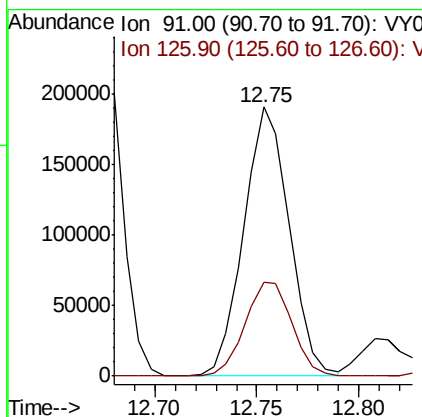
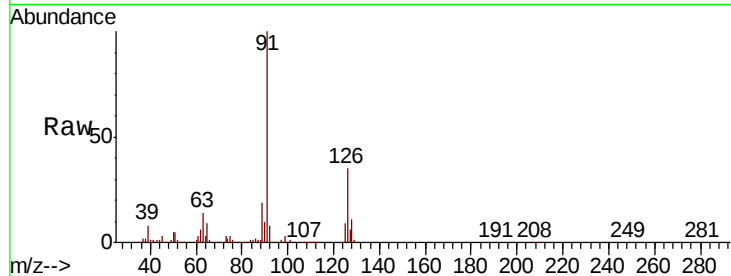
#79
 2-Chlorotoluene
 Concen: 19.886 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.6	52.9

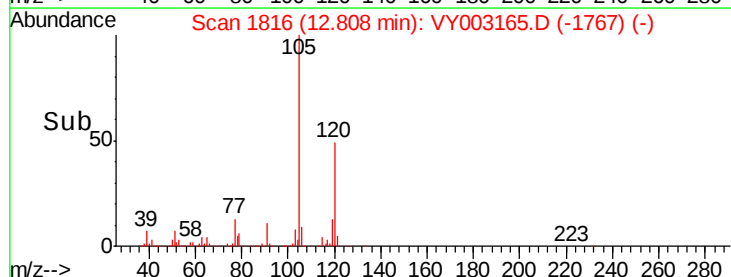
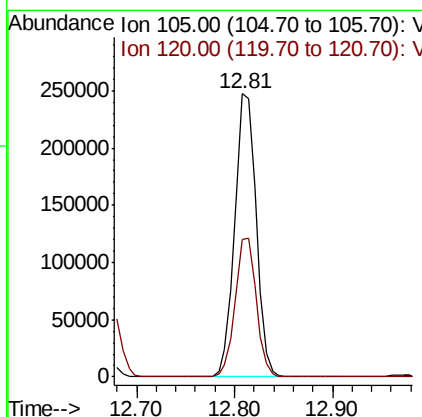
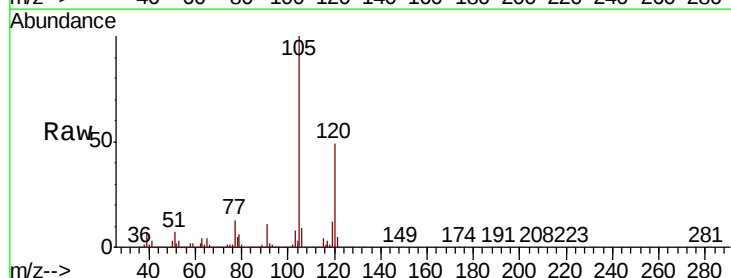
Manual Integrations
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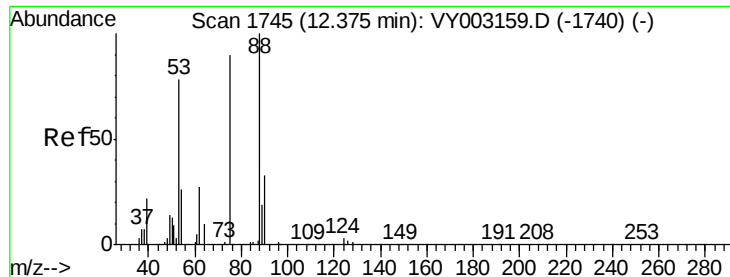
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.077 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.9	74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.676 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

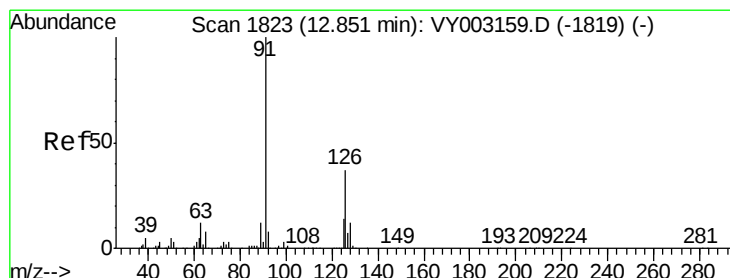
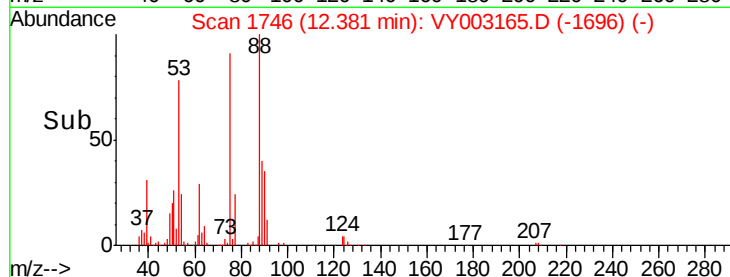
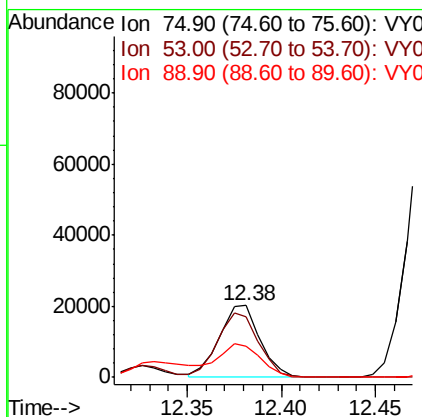
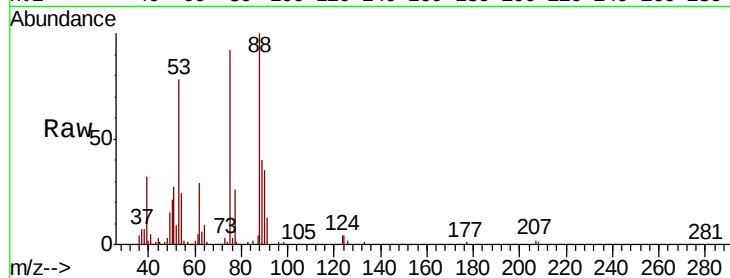
ClientSampleId :

VY0710SBSD01

Tot Ion:	75	Resp:	30134
Ion	Ratio	Lower	Upper
75	100		
53	89.8	72.0	108.0
89	48.6	37.3	55.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.050 ug/l

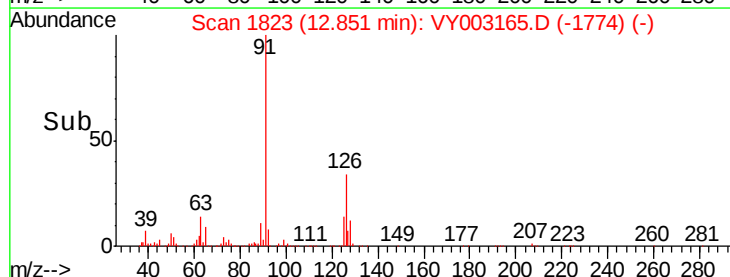
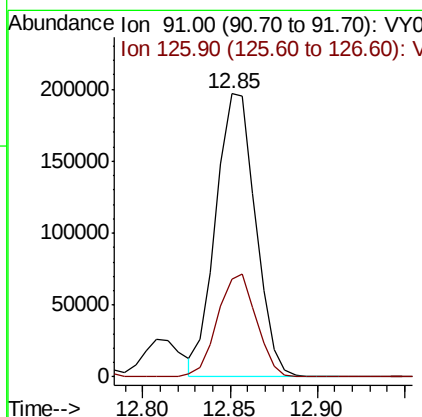
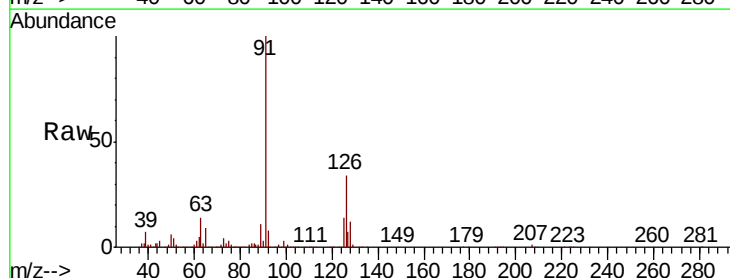
RT: 12.85 min Scan# 1823

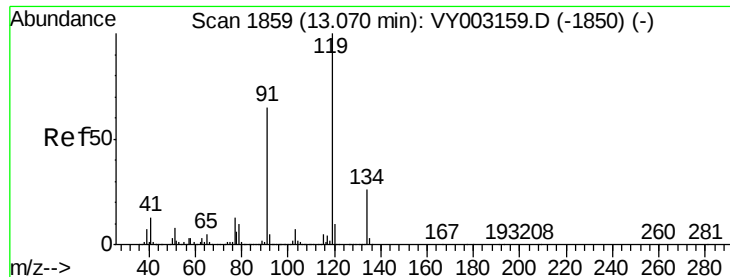
Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Tgt Ion:	91	Resp:	311142
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.9	53.7





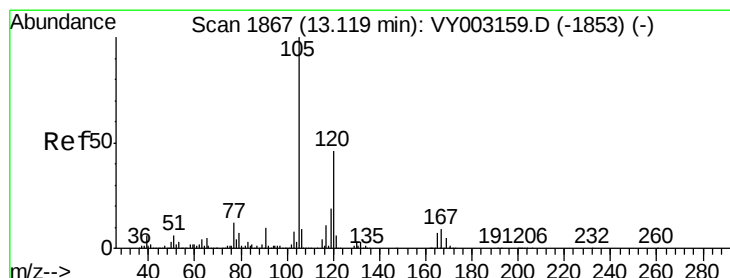
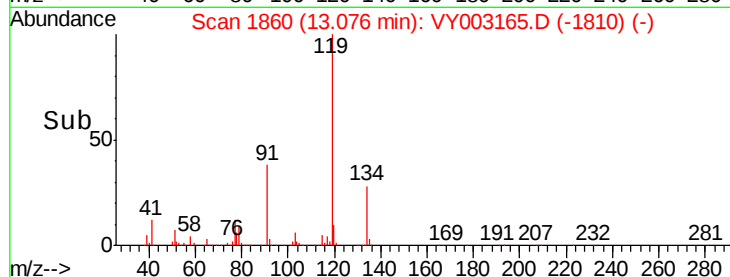
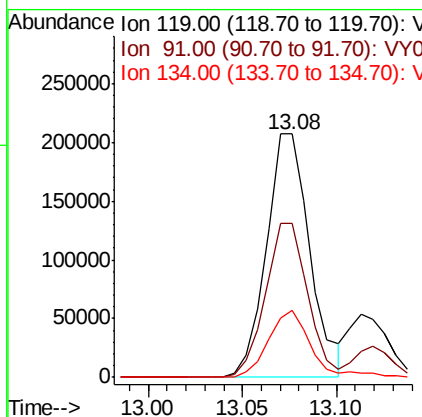
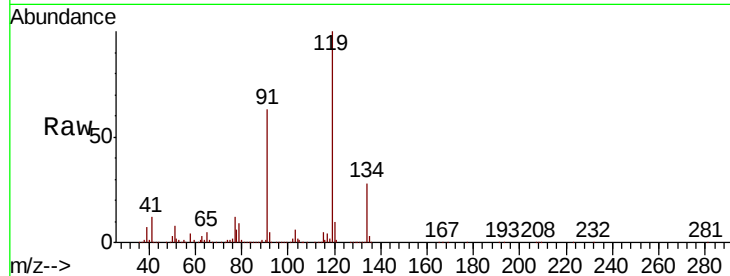
#83
tert-Butylbenzene
Concen: 19.938 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.8	92.4
134	27.2	13.2	39.6

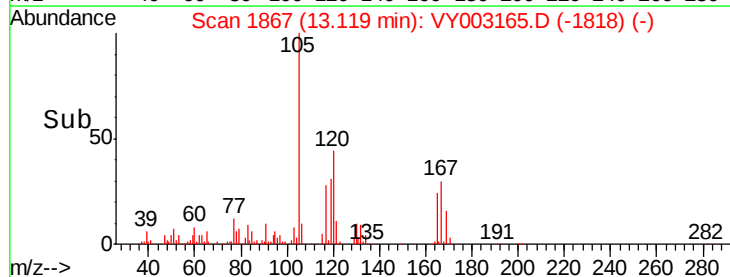
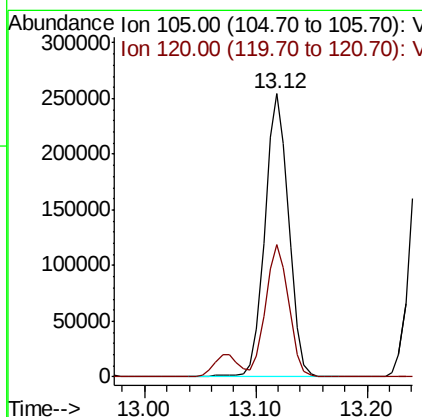
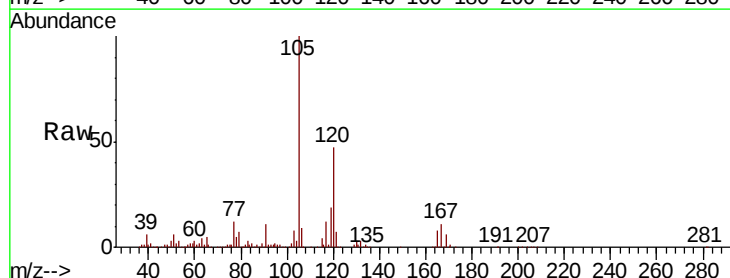
Manual Integrations
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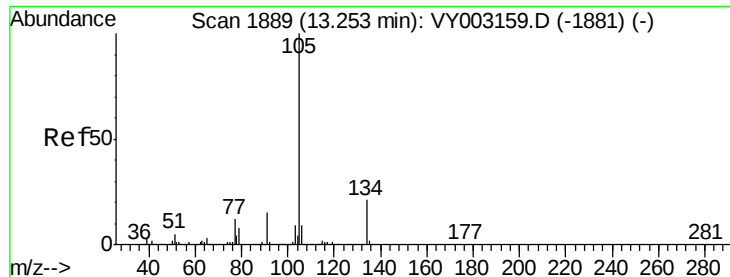
MMDadoda
7/13/2020 10:47:49 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.010 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.5	67.5





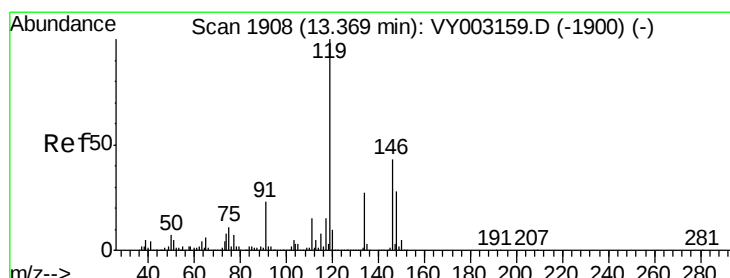
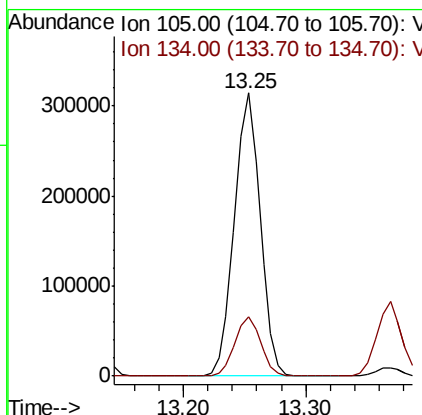
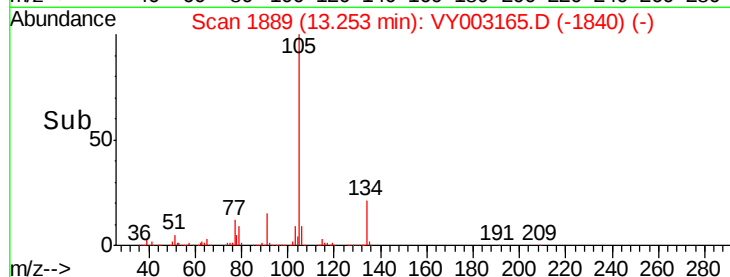
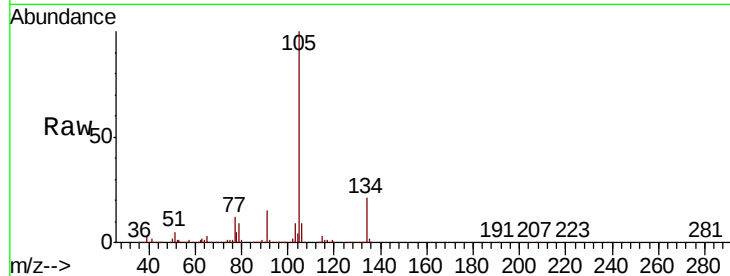
#85
 sec-Butylbenzene
 Concen: 20.083 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.4	31.4

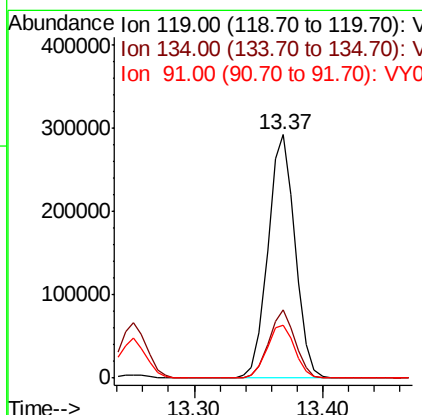
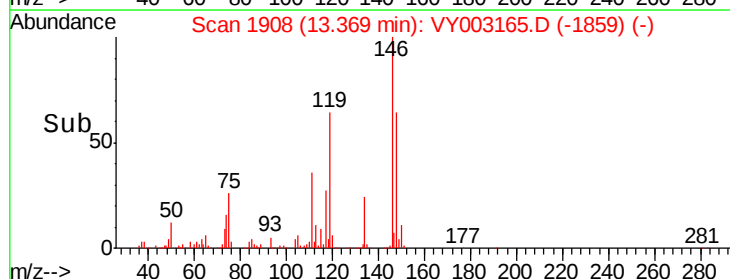
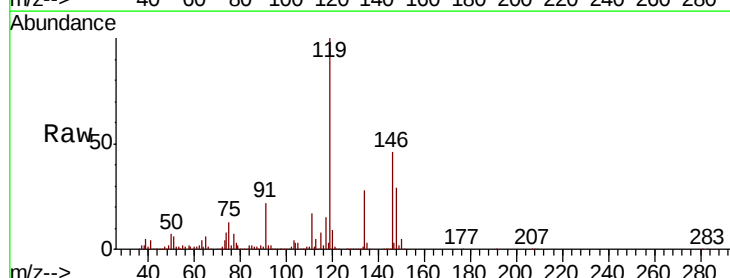
Manual Integrations
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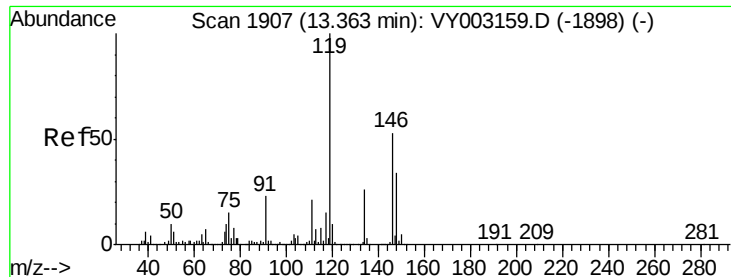
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#86
 p-Isopropyltoluene
 Concen: 19.966 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.4	40.2
91	22.3	11.2	33.6





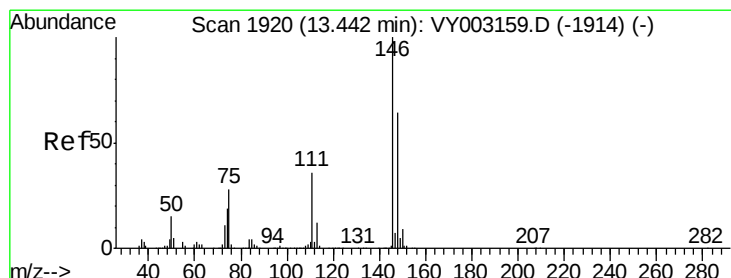
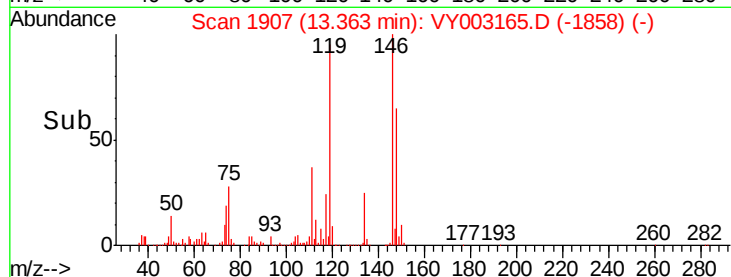
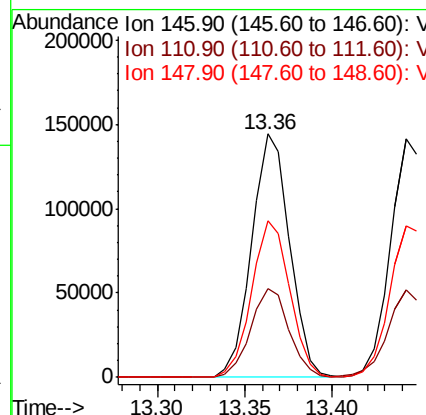
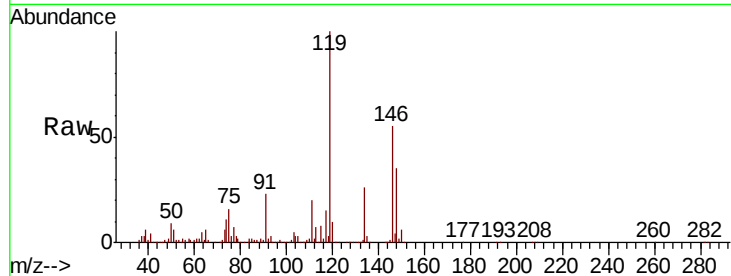
#87
 1,3-Dichlorobenzene
 Concen: 19.964 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	217557		
111	36.9	18.8	56.3	
148	64.7	32.3	96.9	

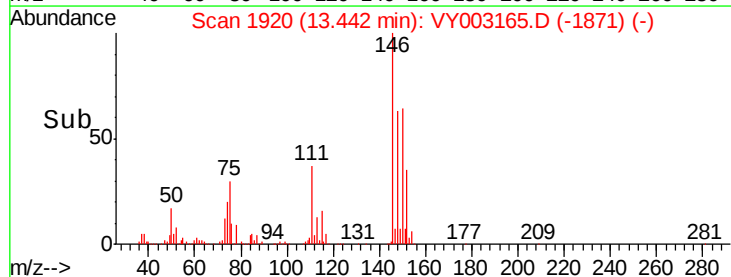
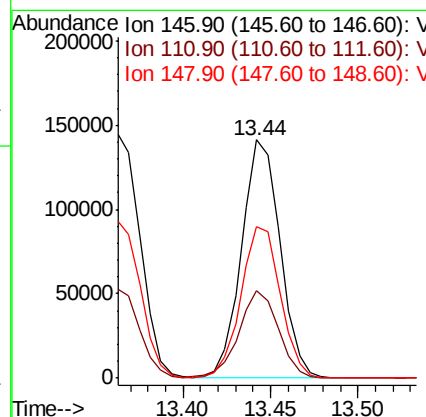
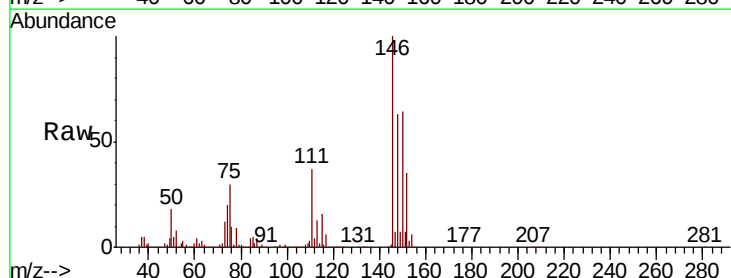
Manual Integrations
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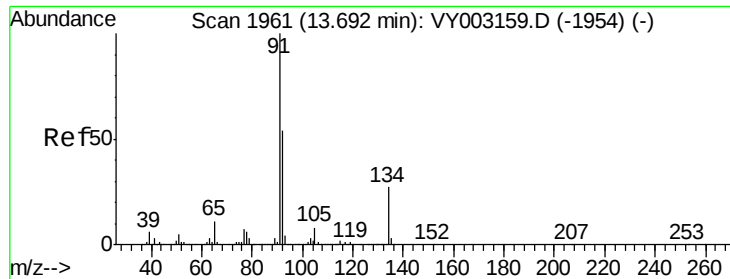
MMDadoda
 7/13/2020 10:47:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.029 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	216090		
111	37.7	18.4	55.0	
148	65.3	32.0	96.0	





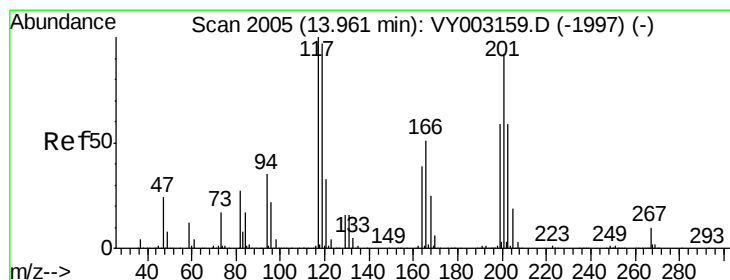
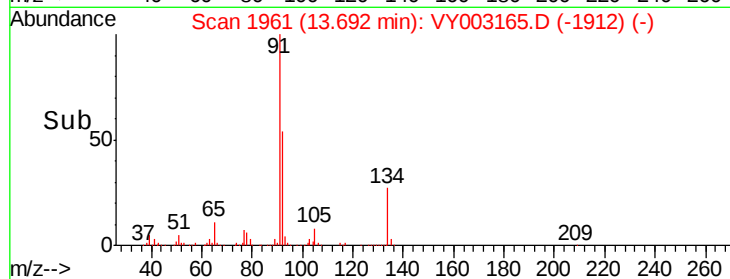
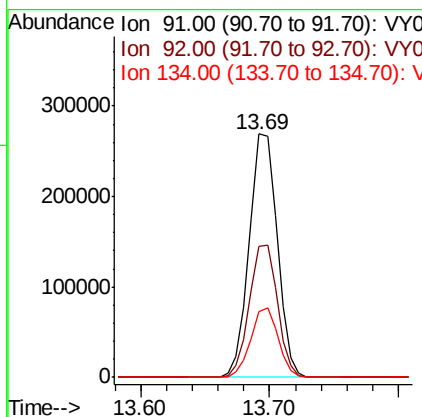
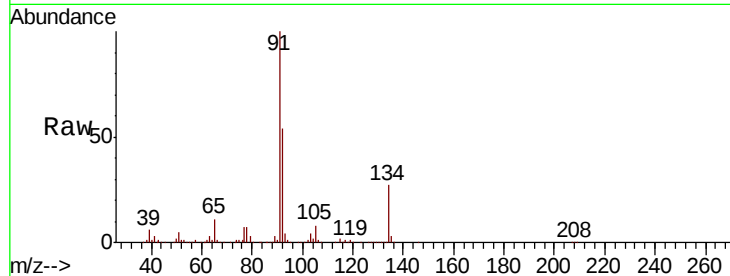
#89
n-Butylbenzene
Concen: 20.168 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.9	80.7
134	27.7	13.6	40.7

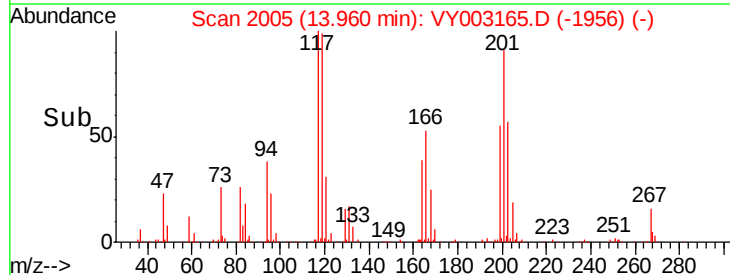
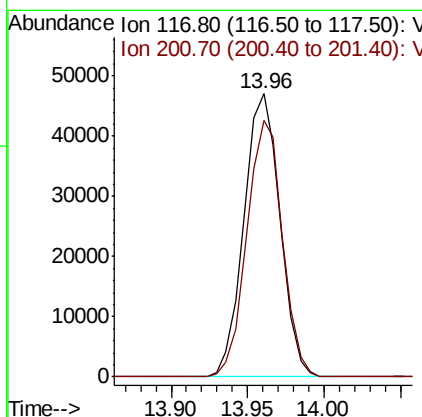
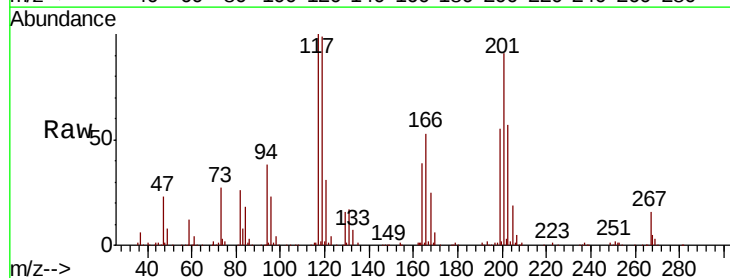
Manual Integrations
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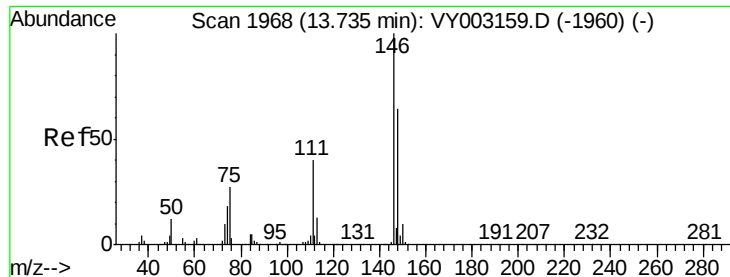
MMDadoda
7/13/2020 10:47:49 AM



#90
Hexachloroethane
Concen: 19.823 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.3	45.1	135.3





#91

1,2-Dichlorobenzene

Concen: 20.175 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Instrument :

MSVOA_Y

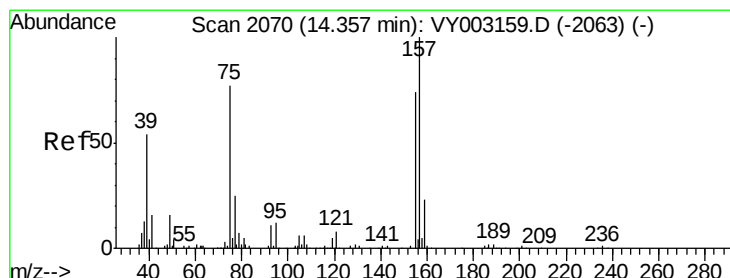
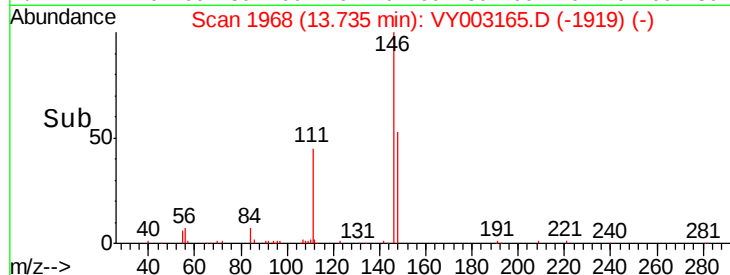
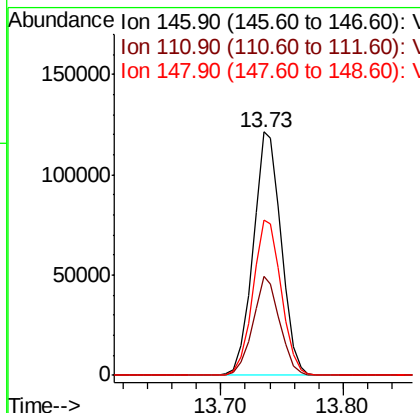
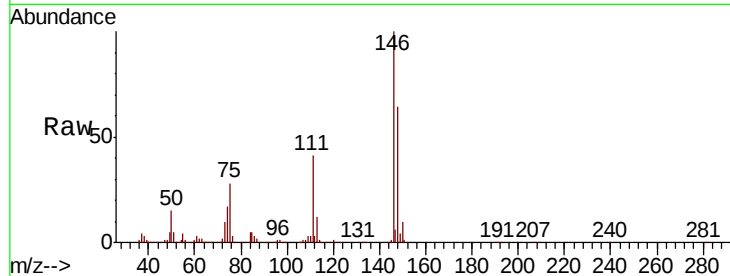
ClientSampleId :

VY0710SBS01

Tot Ion:	146	Resp:	192941
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.6	58.8
148	64.6	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.889 ug/l

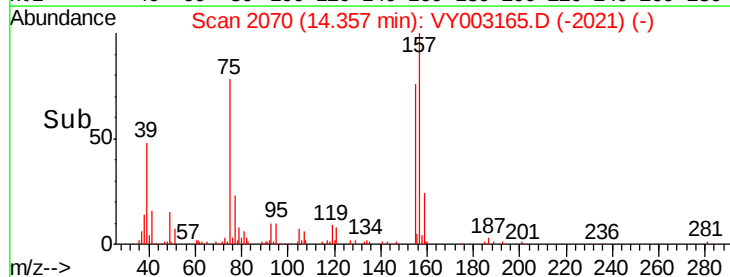
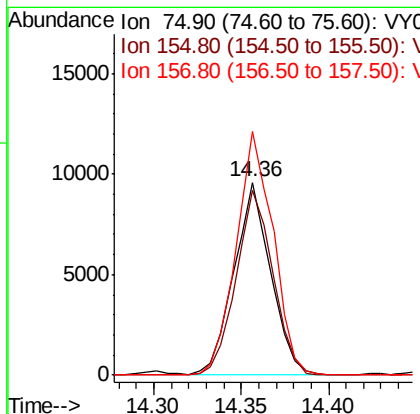
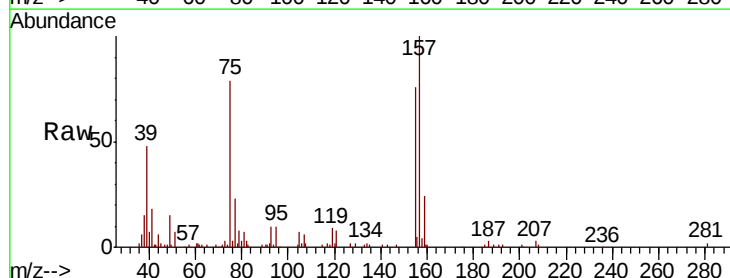
RT: 14.36 min Scan# 2070

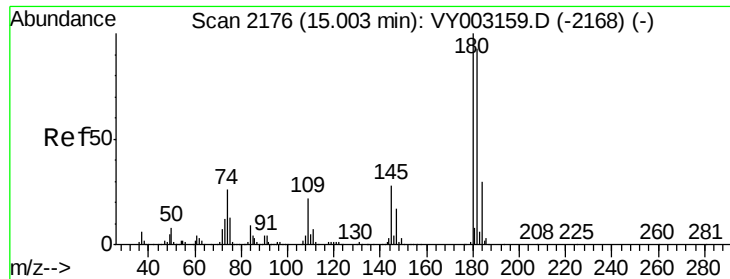
Delta R.T. -0.00 min

Lab File: VY003165.D

Acq: 10 Jul 2020 15:57

Tgt Ion:	75	Resp:	14079
Ion Ratio	Lower	Upper	
75	100		
155	95.7	48.1	144.3
157	126.6	61.9	185.6





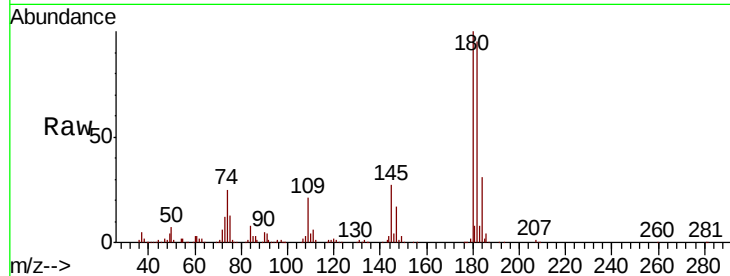
#93
 1,2,4-Trichlorobenzene
 Concen: 20.513 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.3	142.0	
145	27.8	13.7	41.1	

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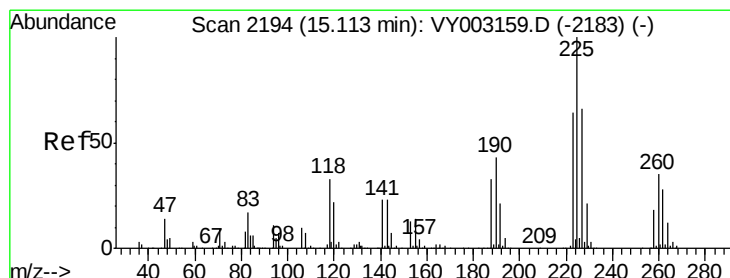
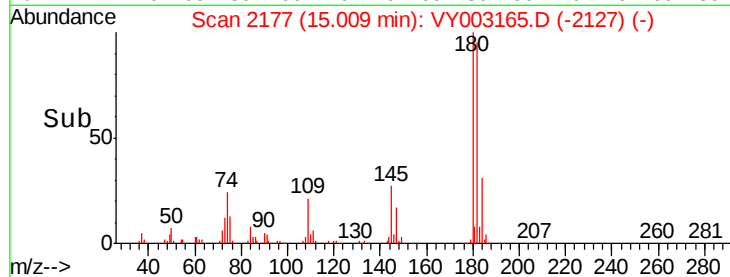
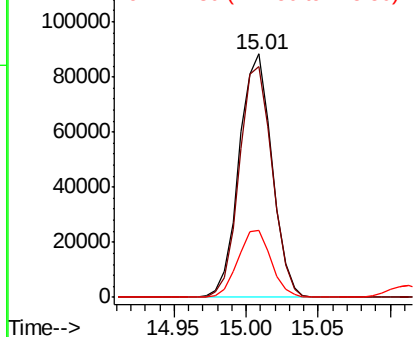


Abundance

Ion 179.80 (179.50 to 180.50): V

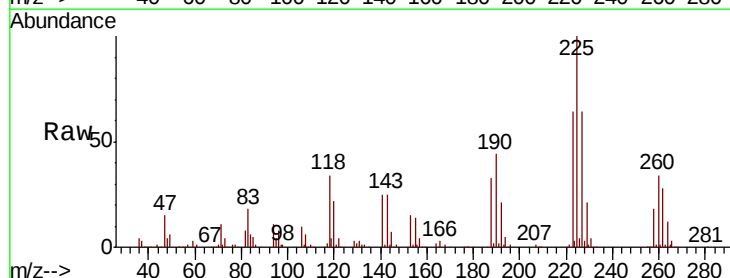
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.869 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003165.D
 Acq: 10 Jul 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	31.6	94.7	
227	62.7	32.3	96.8	

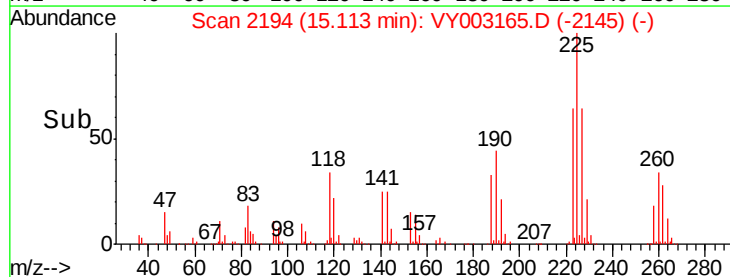
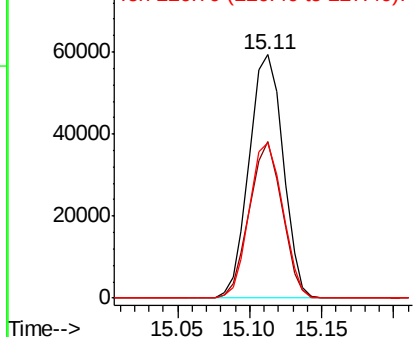


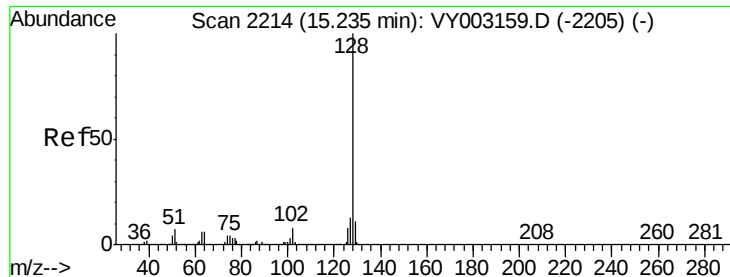
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





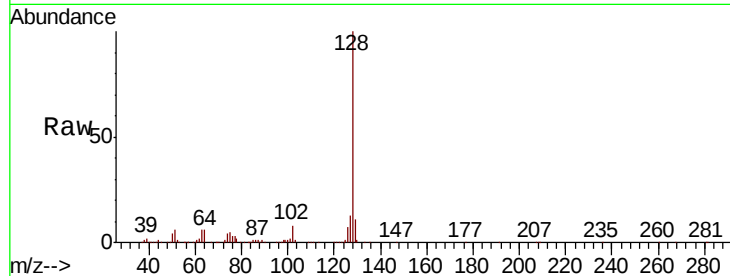
#95
Naphthalene
Concen: 20.306 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0710SBS01

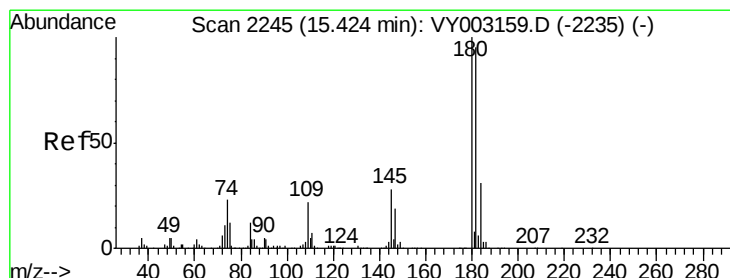
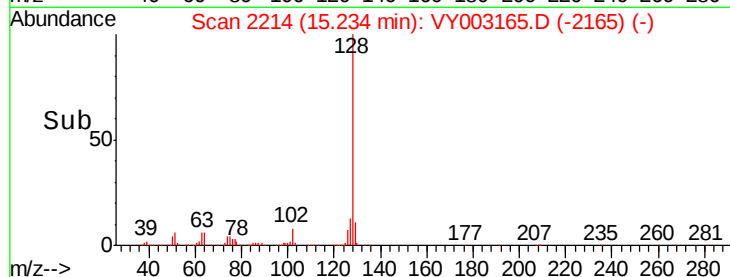
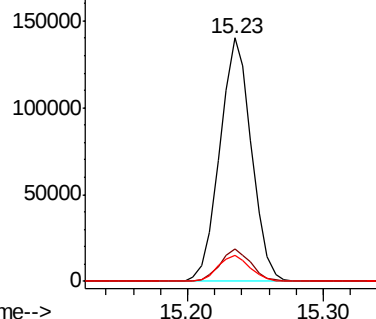
Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		228309		
127	12.9		10.9	16.3	
129	10.8		9.0	13.6	

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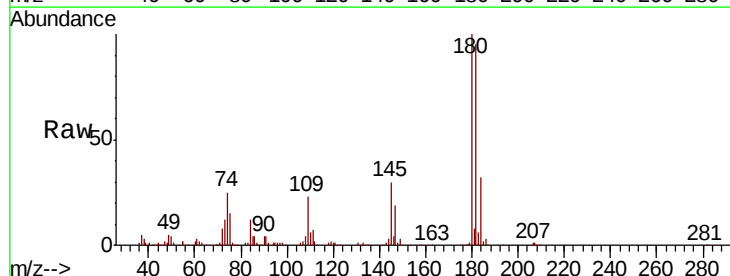


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.354 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003165.D
Acq: 10 Jul 2020 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		109461		
182	95.8		48.8	146.3	
145	30.9		14.9	44.5	



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

