

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002578.D
 Acq On : 05 May 2020 11:44
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0505SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 10:26:49 AM

Quant Time: May 06 06:30:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	379905	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	569357	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	519656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	270031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	173151	54.21	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.42%	
35) Dibromofluoromethane	7.73	113	180118	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
50) Toluene-d8	10.18	98	705336	55.47	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.94%	
62) 4-Bromofluorobenzene	12.49	95	241584	55.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	45564	15.781	ug/l	98
3) Chloromethane	2.12	50	55737	18.109	ug/l	98
4) Vinyl Chloride	2.26	62	65611	18.461	ug/l	98
5) Bromomethane	2.64	94	46451	18.952	ug/l	97
6) Chloroethane	2.79	64	40865	19.257	ug/l	92
7) Trichlorofluoromethane	3.13	101	105367	19.129	ug/l	97
8) Diethyl Ether	3.54	74	37525	20.272	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	66784	19.838	ug/l	99
10) Methyl Iodide	4.10	142	87019	18.973	ug/l	99
11) Tert butyl alcohol	4.97	59	34876	106.122	ug/l	98
12) 1,1-Dichloroethene	3.88	96	63699	19.477	ug/l	97
13) Acrolein	3.74	56	19227	84.605	ug/l	98
14) Allyl chloride	4.49	41	96559	20.264	ug/l	99
15) Acrylonitrile	5.18	53	91973	105.362	ug/l	99
16) Acetone	3.96	43	68765	104.310	ug/l	97
17) Carbon Disulfide	4.20	76	177603	18.051	ug/l	100
18) Methyl Acetate	4.49	43	46141	20.948	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	175904	20.616	ug/l	97
20) Methylene Chloride	4.72	84	77373	20.988	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	71320	19.952	ug/l	98
22) Diisopropyl ether	6.13	45	203956	21.154	ug/l	99
23) Vinyl Acetate	6.07	43	634174	104.589	ug/l	100
24) 1,1-Dichloroethane	6.03	63	118108	20.707	ug/l	98
25) 2-Butanone	6.99	43	113588	105.259	ug/l	95
26) 2,2-Dichloropropane	6.99	77	107650	19.855	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	80921	20.460	ug/l	100
28) Bromochloromethane	7.34	49	49549	21.202	ug/l	100
29) Tetrahydrofuran	7.36	42	77785	108.947	ug/l	100
30) Chloroform	7.52	83	122079	20.584	ug/l	98
31) Cyclohexane	7.79	56	111447	19.411	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	109705	19.901	ug/l	100
36) 1,1-Dichloropropene	7.93	75	95065	19.917	ug/l	100
37) Ethyl Acetate	7.08	43	51336	20.930	ug/l	100
38) Carbon Tetrachloride	7.91	117	101510	19.480	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	121991	19.351	ug/l	99
40) Benzene	8.17	78	278147	20.177	ug/l	100
41) Methacrylonitrile	7.33	41	24711m	18.738	ug/l	
42) 1,2-Dichloroethane	8.24	62	76551	19.797	ug/l	98
43) Isopropyl Acetate	8.28	43	96325	20.949	ug/l	99
44) Trichloroethene	8.94	130	88185	20.469	ug/l	98
45) 1,2-Dichloropropane	9.22	63	68476	20.582	ug/l	98
46) Dibromomethane	9.31	93	37285	19.478	ug/l	97
47) Bromodichloromethane	9.50	83	94284	20.256	ug/l	98
48) Methyl methacrylate	9.30	41	43800	21.048	ug/l	100
49) 1,4-Dioxane	9.30	88	11097	437.835	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	253553	106.982	ug/l	100
52) Toluene	10.25	92	178596	20.159	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	98106	20.117	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	112895	20.025	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	58084	20.807	ug/l	100
56) Ethyl methacrylate	10.51	69	77630	20.905	ug/l	98
57) 1,3-Dichloropropane	10.79	76	96568	20.399	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	210655	107.567	ug/l	99
59) 2-Hexanone	10.83	43	176111	107.962	ug/l	99
60) Dibromochloromethane	10.99	129	72128	20.315	ug/l	99
61) 1,2-Dibromoethane	11.09	107	56216	20.338	ug/l	100
64) Tetrachloroethene	10.72	164	98240	21.277	ug/l	97
65) Chlorobenzene	11.52	112	199027	20.147	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	74240	20.245	ug/l	99
67) Ethyl Benzene	11.60	91	348659	20.093	ug/l	100
68) m/p-Xylenes	11.71	106	269228	40.099	ug/l	100
69) o-Xylene	12.03	106	127078	20.214	ug/l	99
70) Styrene	12.05	104	219086	20.386	ug/l	99
71) Bromoform	12.21	173	46484	20.424	ug/l	# 99
73) Isopropylbenzene	12.33	105	350886	20.050	ug/l	99
74) N-amyl acetate	12.14	43	88521	21.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	53190	19.111	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	41046m	17.105	ug/l	
77) Bromobenzene	12.61	156	87005	19.899	ug/l	98
78) n-propylbenzene	12.67	91	406949	20.038	ug/l	100
79) 2-Chlorotoluene	12.76	91	225638	20.057	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	291807	20.115	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	23995	20.050	ug/l	97
82) 4-Chlorotoluene	12.86	91	237857	20.128	ug/l	100
83) tert-Butylbenzene	13.08	119	254178	19.983	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	289181	20.002	ug/l	98
85) sec-Butylbenzene	13.25	105	359901	20.391	ug/l	100
86) p-Isopropyltoluene	13.37	119	336898	20.371	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	166950	20.174	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	165479	20.194	ug/l	98
89) n-Butylbenzene	13.70	91	309659	20.568	ug/l	99
90) Hexachloroethane	13.96	117	60749	20.171	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	149397	20.232	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10379	20.005	ug/l	98

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ClientSampleId :
VY0505SBSD01

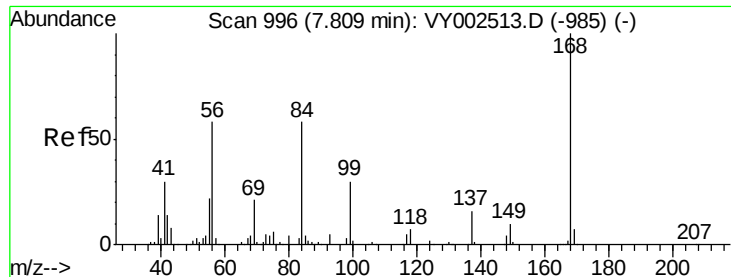
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	110269	20.569	ug/l	100
94) Hexachlorobutadiene	15.11	225	66831	20.768	ug/l	98
95) Naphthalene	15.24	128	204624	20.923	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	94114	20.679	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. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion:168 Resp: 379905

Ion Ratio Lower Upper

168 100

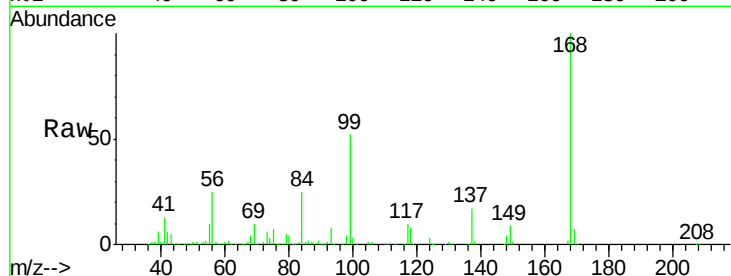
99 51.8 39.2 58.8

Manual Integrations

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5/6/2020 10:26:49 AM



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

150000

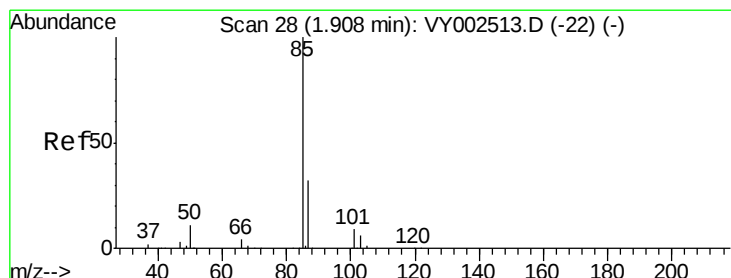
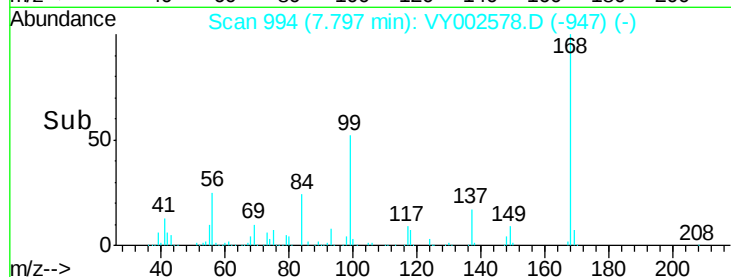
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.781 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002578.D

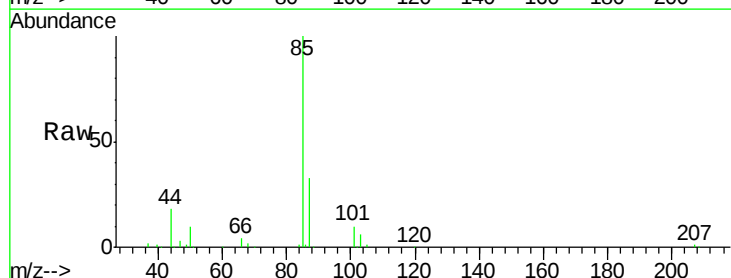
Acq: 05 May 2020 11:44

Tgt Ion: 85 Resp: 45564

Ion Ratio Lower Upper

85 100

87 32.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.90

30000

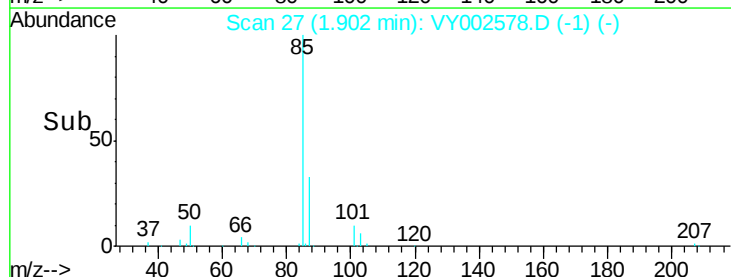
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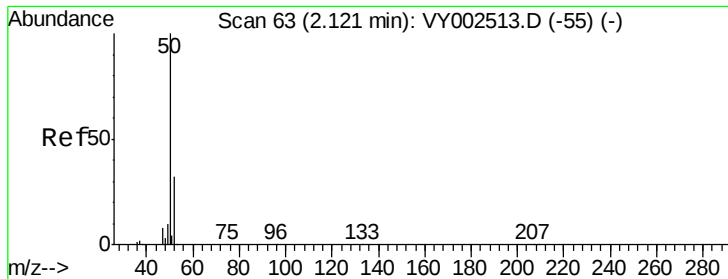
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0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 18.109 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 50 Resp: 55737

Ion Ratio Lower Upper

50 100

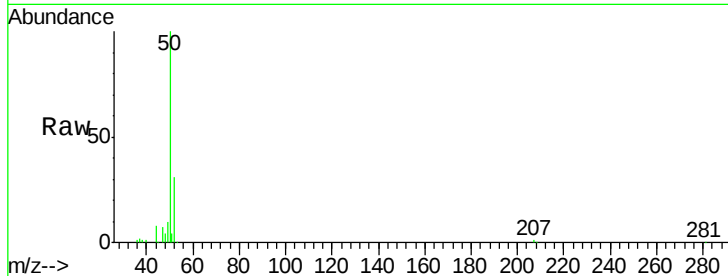
52 31.3 25.9 38.9

Manual Integrations

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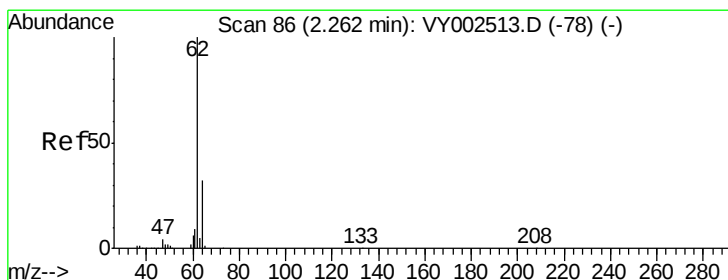
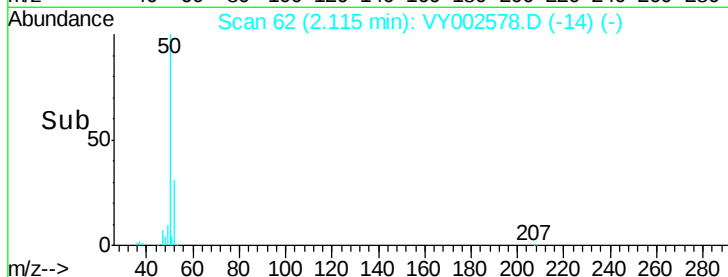
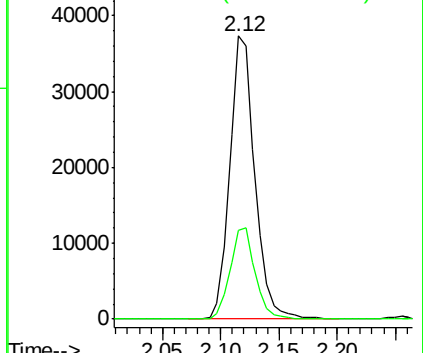
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 18.461 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002578.D

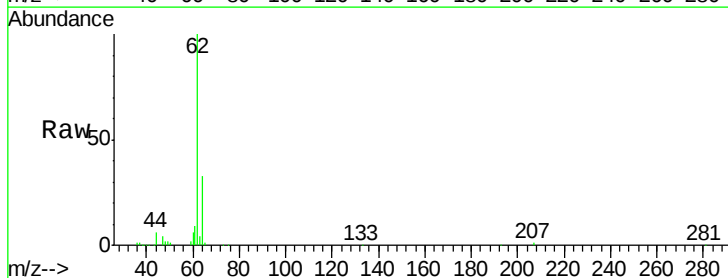
Acq: 05 May 2020 11:44

Tgt Ion: 62 Resp: 65611

Ion Ratio Lower Upper

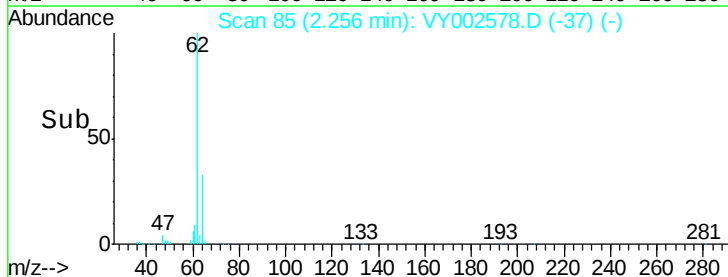
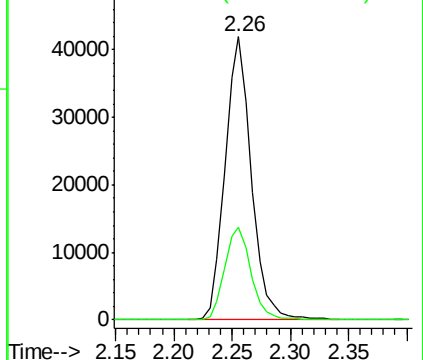
62 100

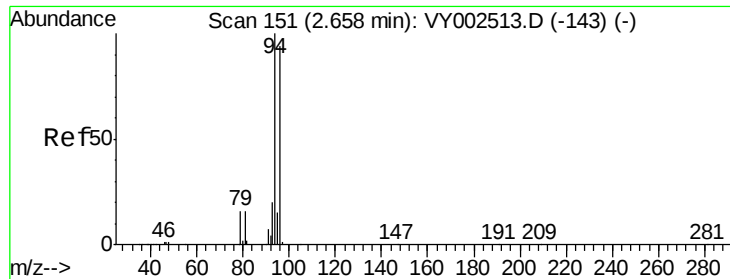
64 32.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 18.952 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.02 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 94 Resp: 46451

Ion Ratio Lower Upper

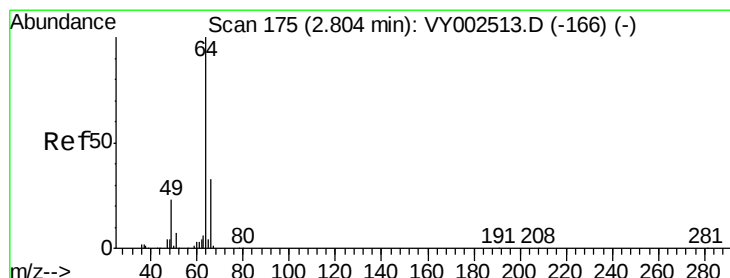
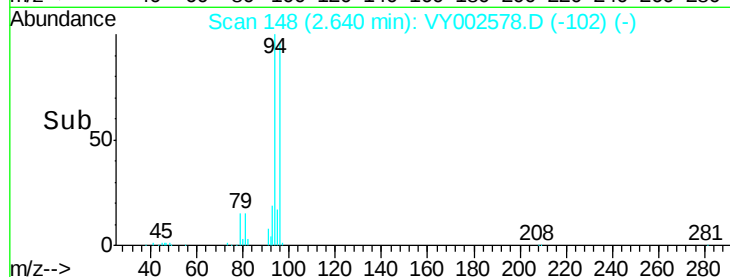
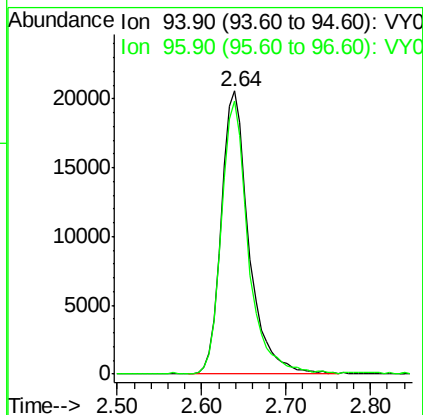
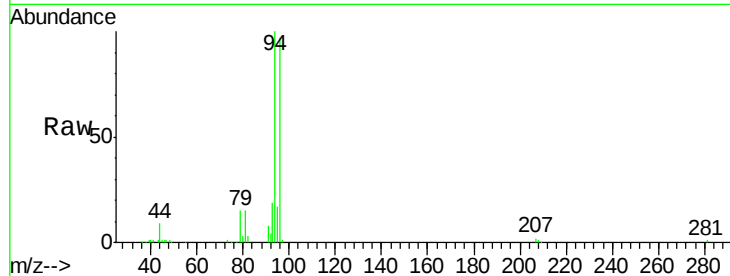
94 100

96 96.7 74.9 112.3

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5/6/2020 10:26:49 AM



#6

Chloroethane

Concen: 19.257 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002578.D

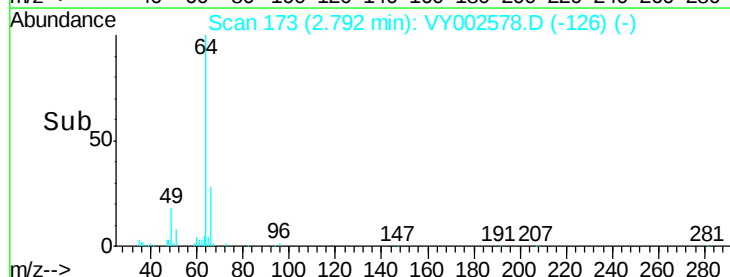
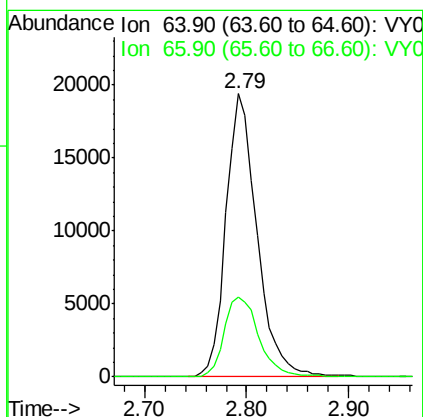
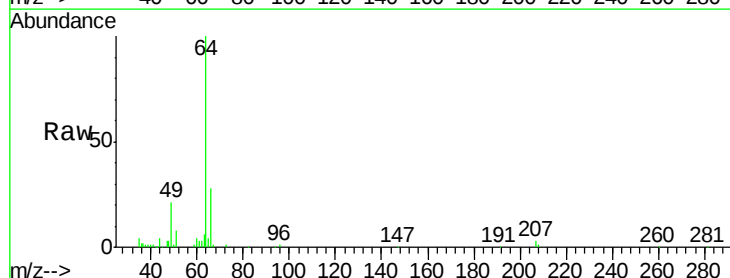
Acq: 05 May 2020 11:44

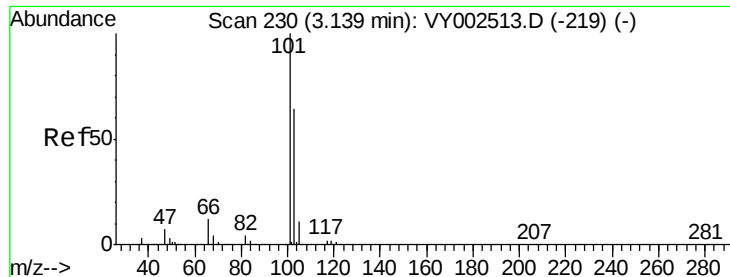
Tgt Ion: 64 Resp: 40865

Ion Ratio Lower Upper

64 100

66 28.2 26.3 39.5





#7

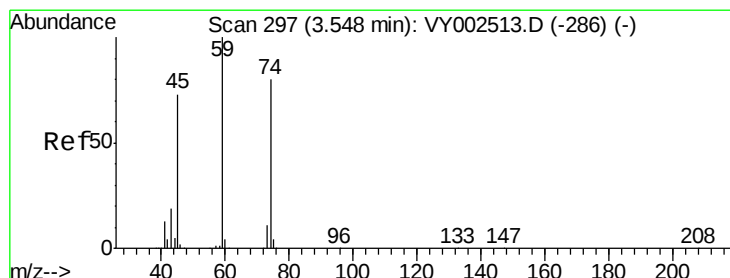
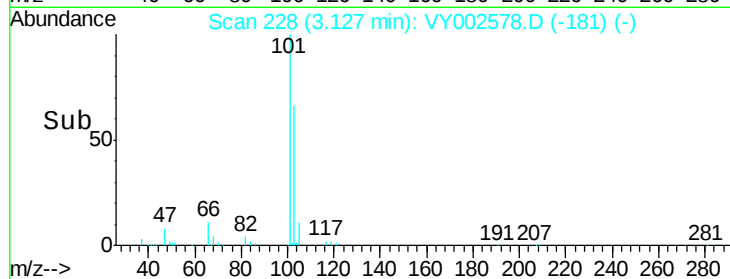
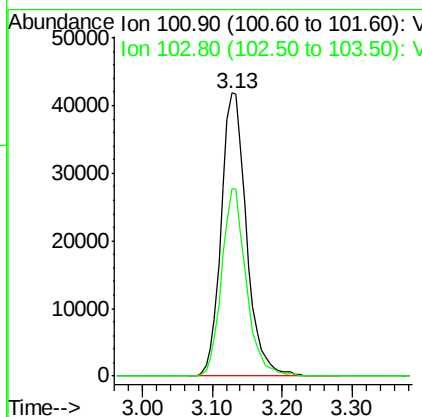
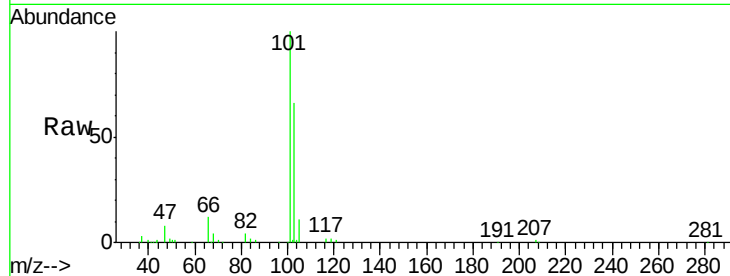
Trichlorofluoromethane
 Concen: 19.129 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.4	77.0

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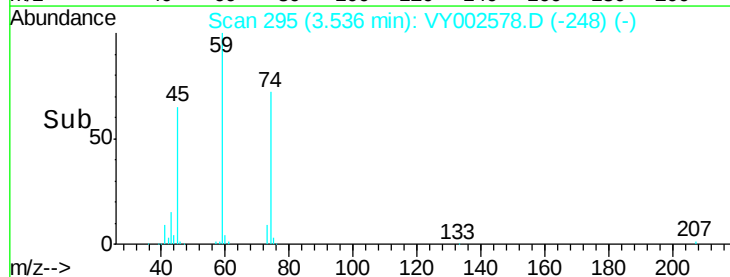
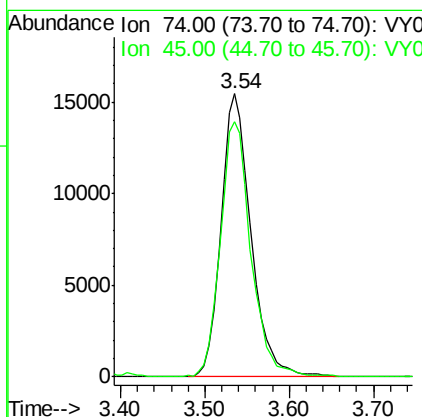
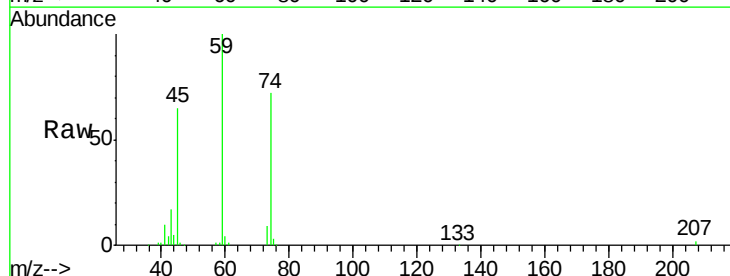
MMDadoda
 5/6/2020 10:26:49 AM

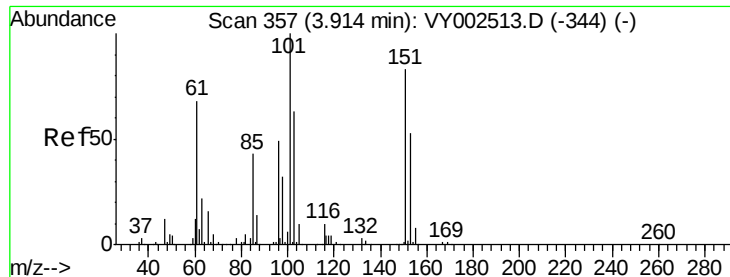


#8

Diethyl Ether
 Concen: 20.272 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	46.2	138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.838 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

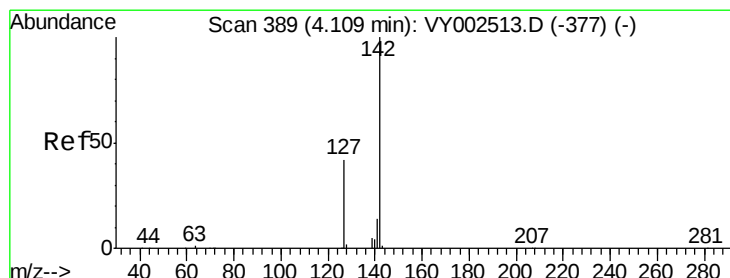
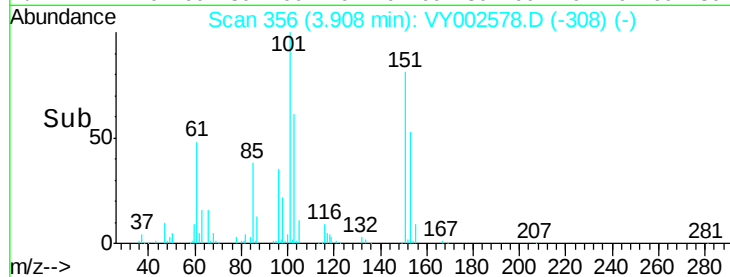
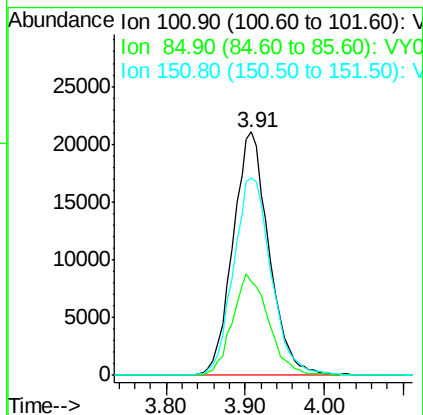
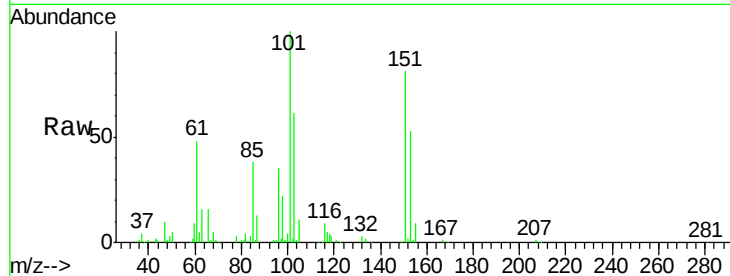
ClientSampleId :

VY0505SBS01

Tot Ion:	101	Resp:	66784
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.4	50.2
151	85.2	66.8	100.2

Manual Integrations
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MMDadoda
5/6/2020 10:26:49 AM



#10

Methyl Iodide

Concen: 18.973 ug/l

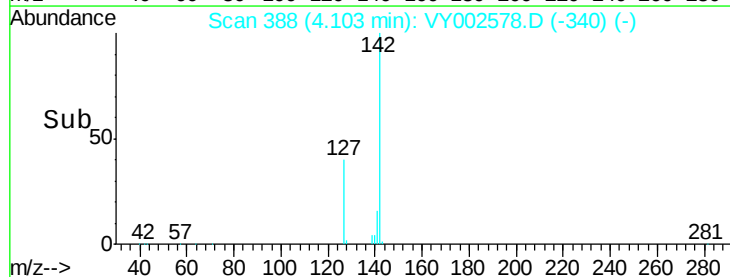
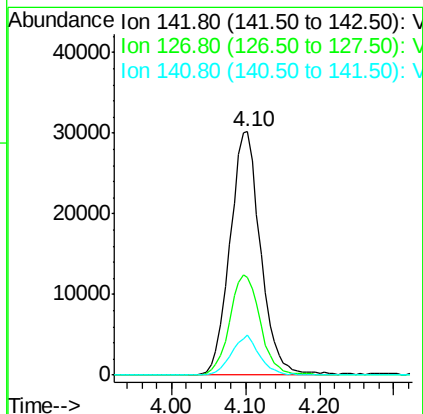
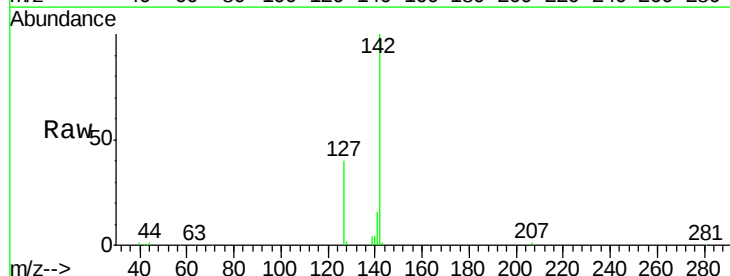
RT: 4.10 min Scan# 388

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Tgt Ion:	142	Resp:	87019
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.7	50.5
141	14.9	11.4	17.0





#11

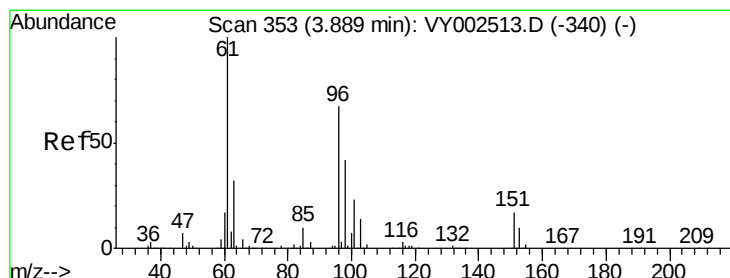
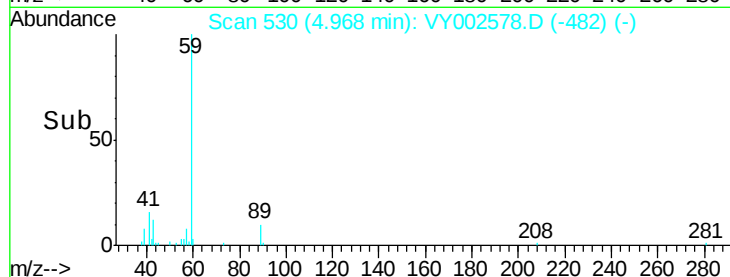
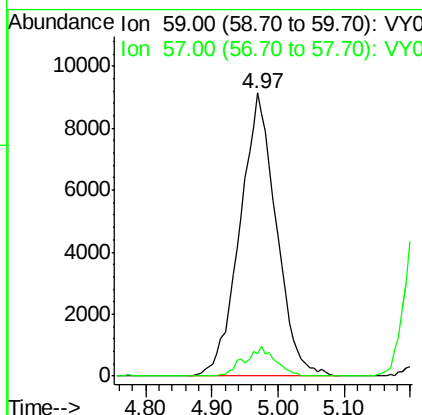
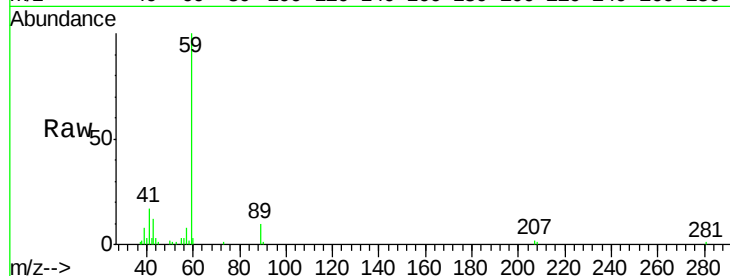
Tert butyl alcohol
 Concen: 106.122 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	8.9	7.8	11.6

Manual Integrations
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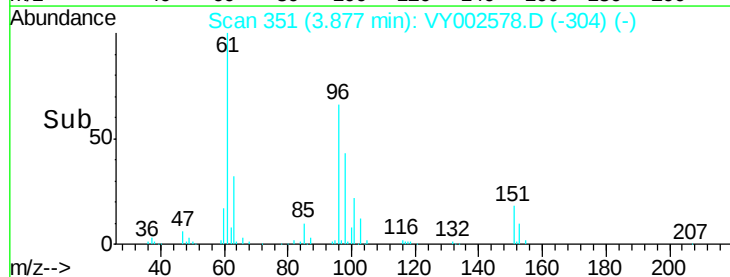
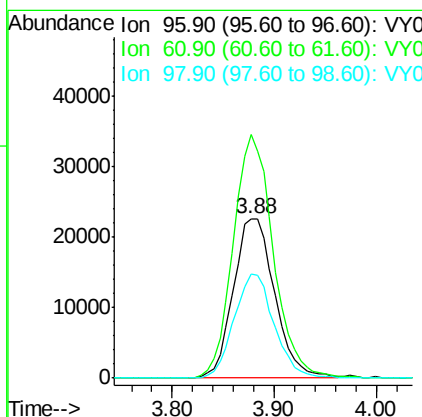
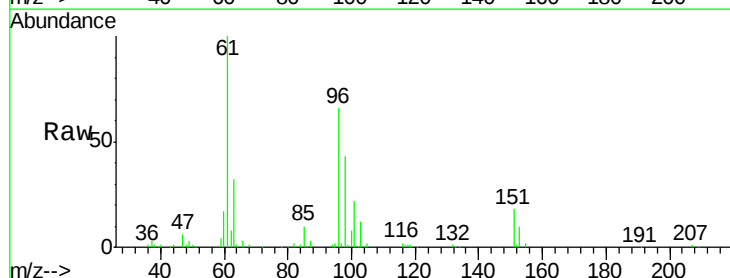
MMDadoda
 5/6/2020 10:26:49 AM

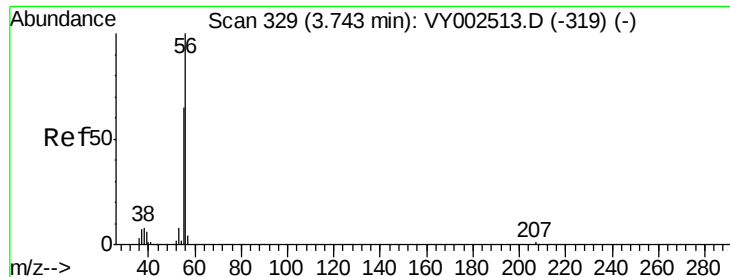


#12

1,1-Dichloroethene
 Concen: 19.477 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	152.5	118.8	178.2
98	98	64.8	49.6	74.4





#13

Acrolein

Concen: 84.605 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 56 Resp: 19227

Ion Ratio Lower Upper

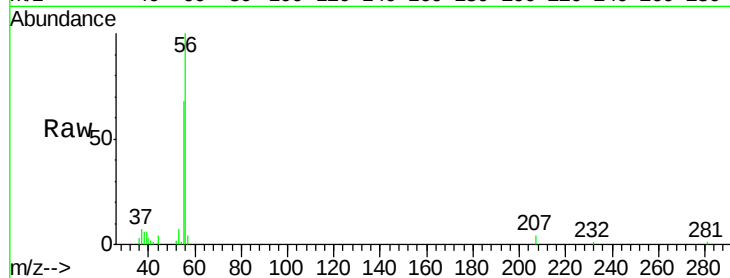
56 100

55 68.5 53.8 80.6

Manual Integrations
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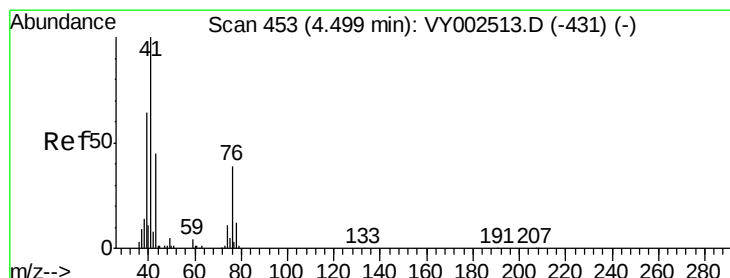
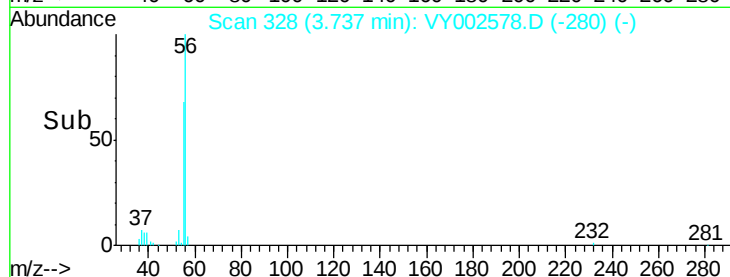
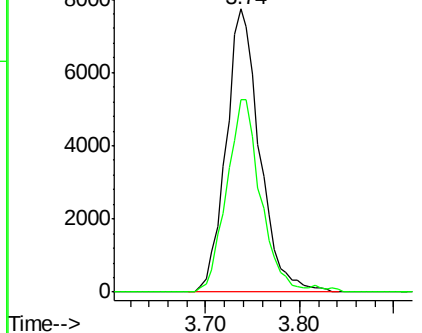
MMDadoda

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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: 20.264 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

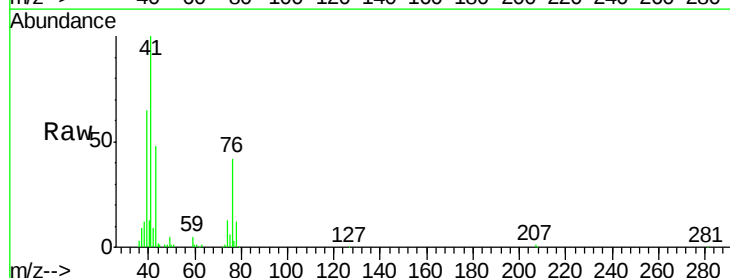
Tgt Ion: 41 Resp: 96559

Ion Ratio Lower Upper

41 100

39 63.6 51.8 77.6

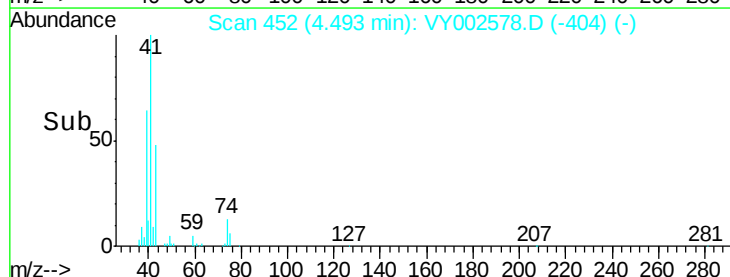
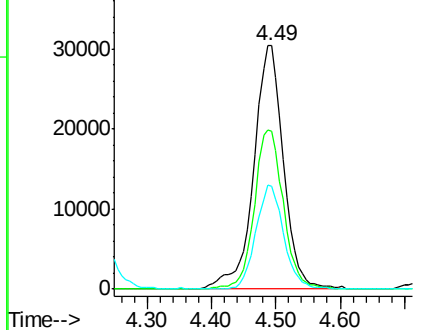
76 39.9 31.7 47.5

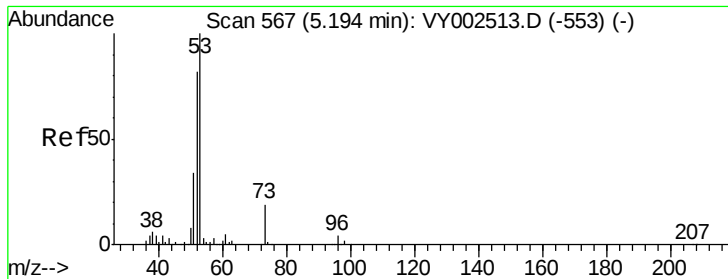


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 105.362 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.02 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

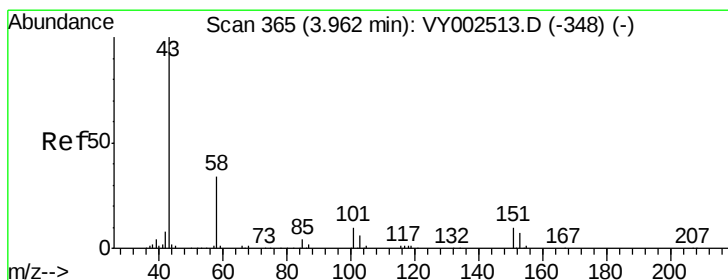
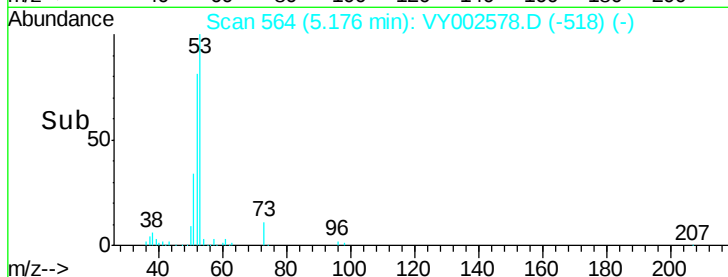
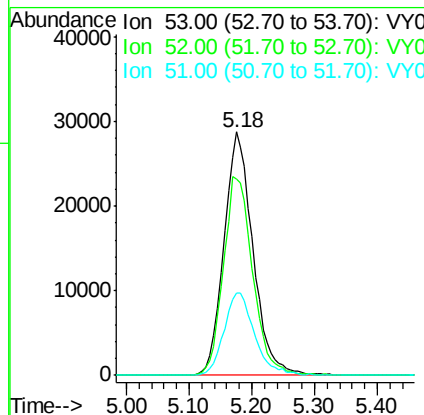
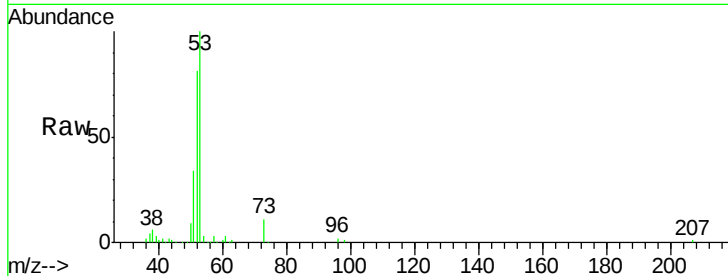
ClientSampleId :

VY0505SBS01

Tot Ion:	53	Resp:	91973
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.4	98.0
51	35.6	28.7	43.1

Manual Integrations
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MMDadoda
5/6/2020 10:26:49 AM



#16

Acetone

Concen: 104.310 ug/l

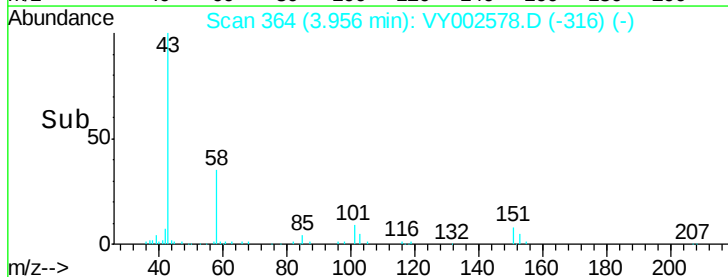
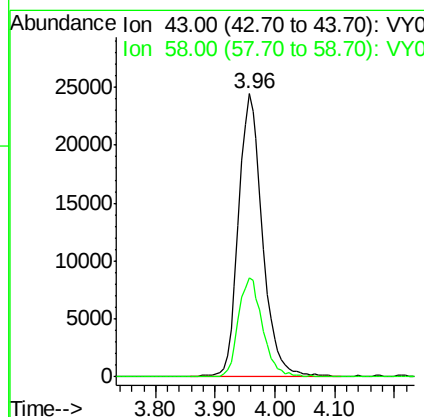
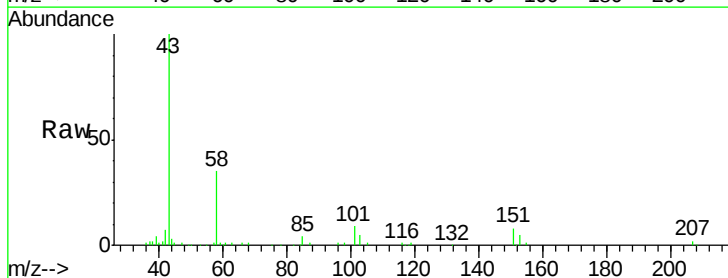
RT: 3.96 min Scan# 364

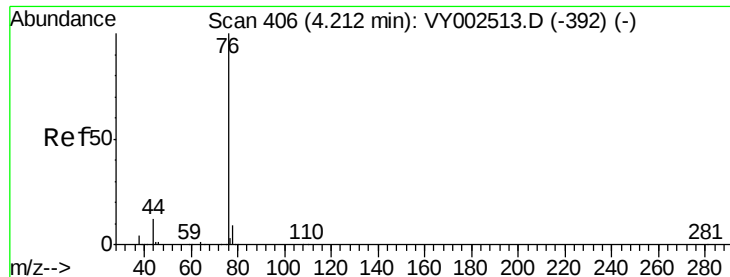
Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Tgt Ion:	43	Resp:	68765
Ion	Ratio	Lower	Upper
43	100		
58	35.1	26.9	40.3





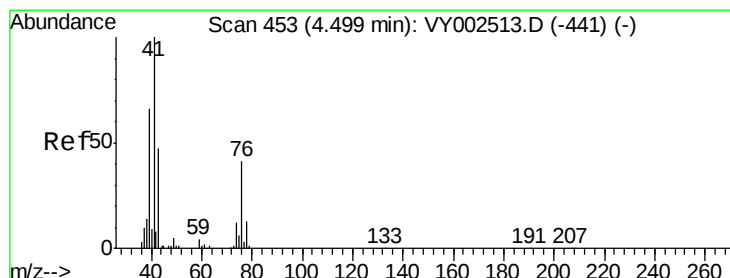
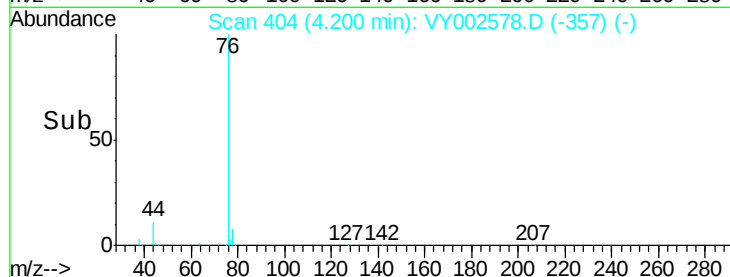
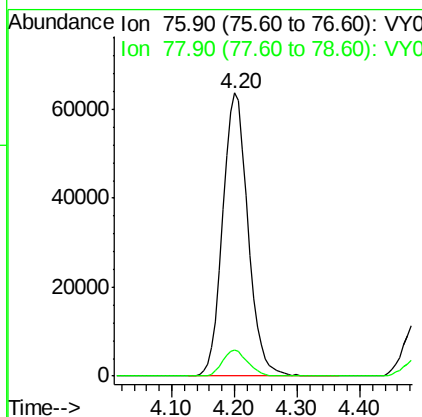
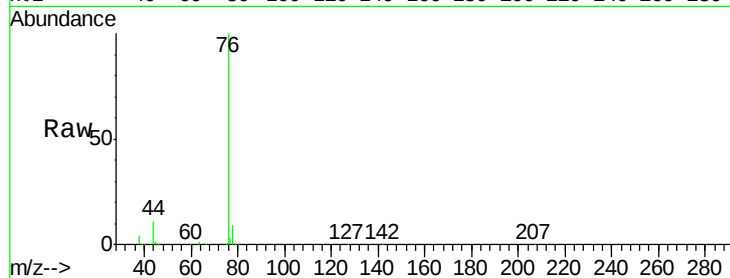
#17
Carbon Disulfide
Concen: 18.051 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

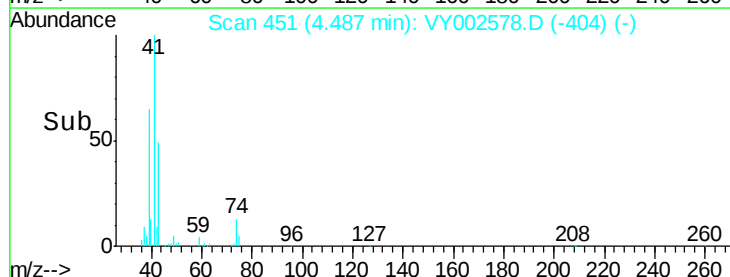
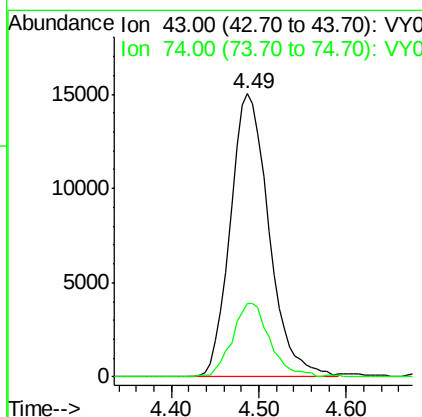
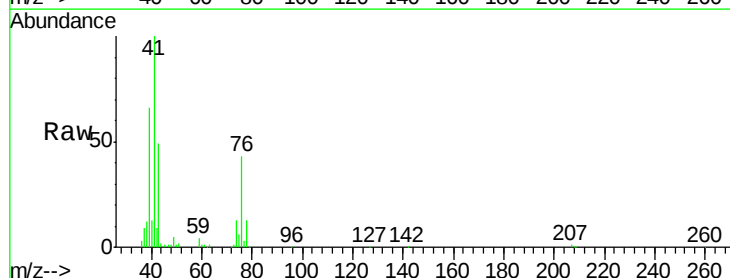
Manual Integrations
APPROVED

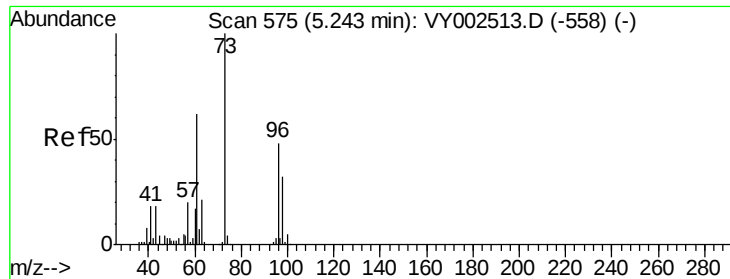
MMDadoda
5/6/2020 10:26:49 AM



#18
Methyl Acetate
Concen: 20.948 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	21.2	31.8





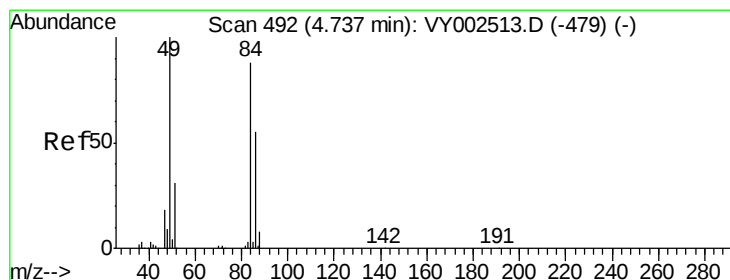
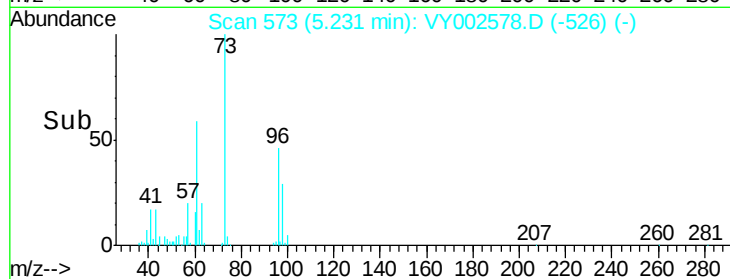
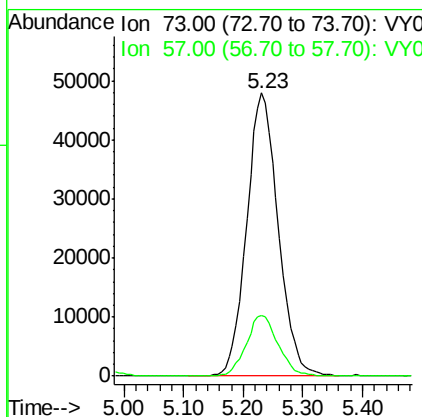
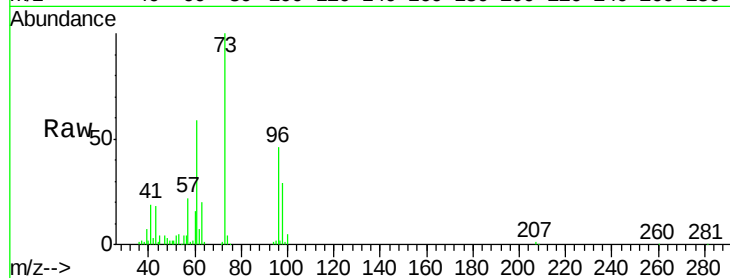
#19
Methvl tert-butvl Ether
Concen: 20.616 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.3	24.5

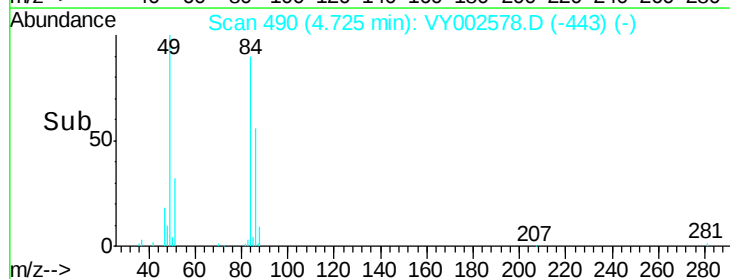
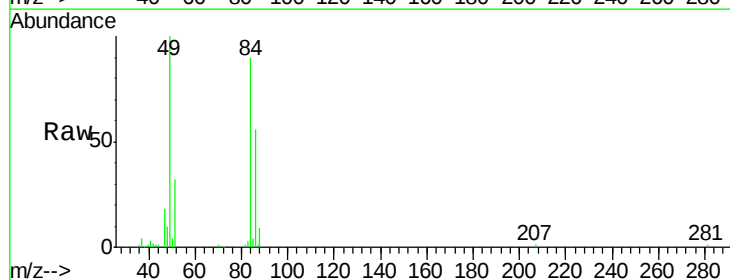
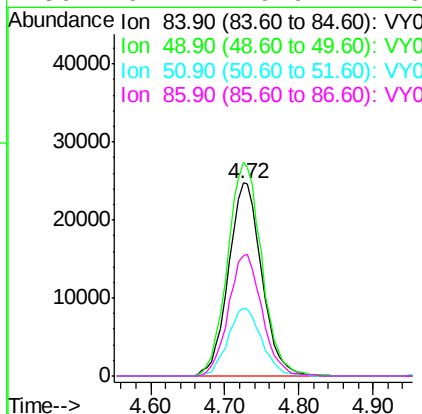
Manual Integrations
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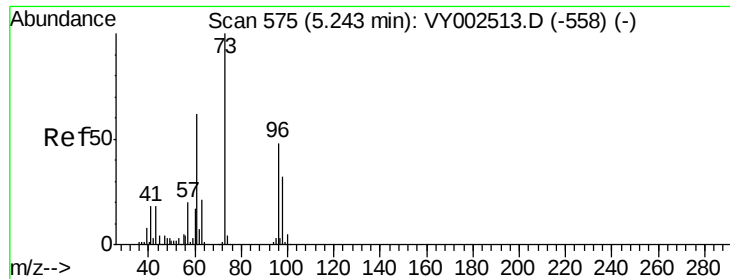
MMDadoda
5/6/2020 10:26:49 AM



#20
Methylene Chloride
Concen: 20.988 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.7	90.5	135.7
51	35.4	28.3	42.5
86	62.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.952 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

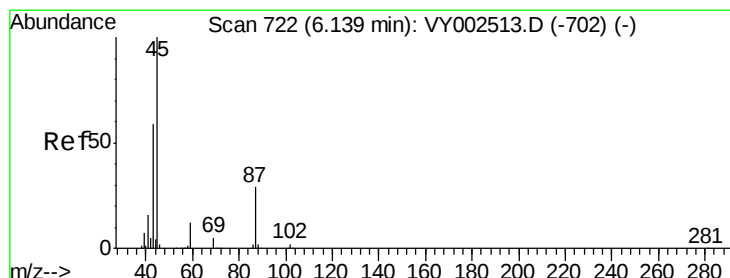
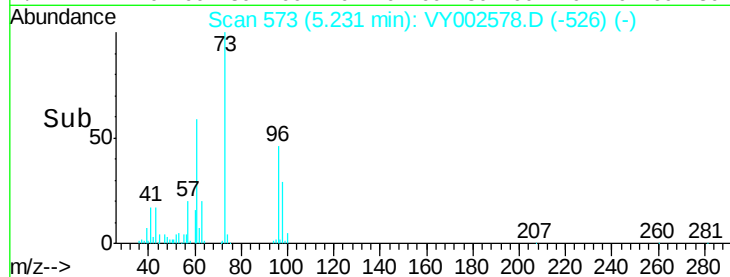
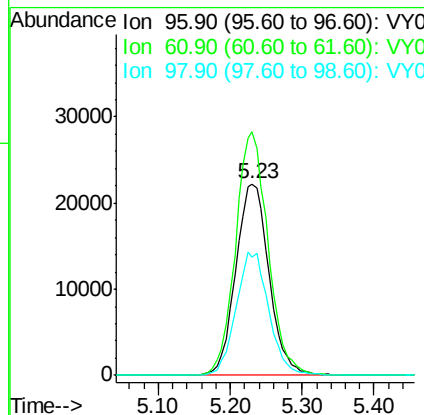
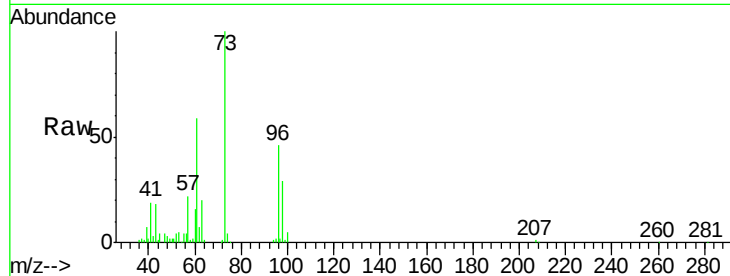
ClientSampleId :

VY0505SBS01

Tot Ion:	96	Resp:	71320
Ion	Ratio	Lower	Upper
96	100		
61	127.2	102.0	153.0
98	62.0	53.0	79.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.154 ug/l

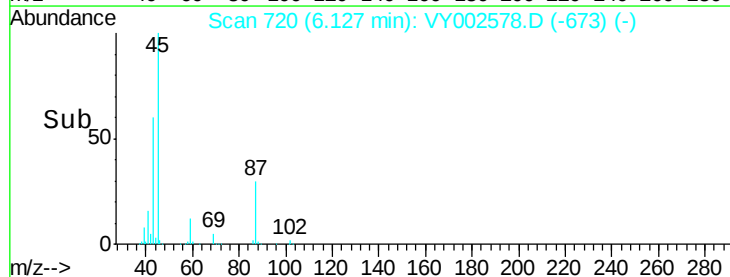
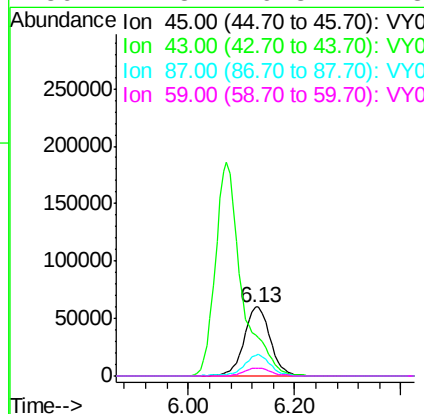
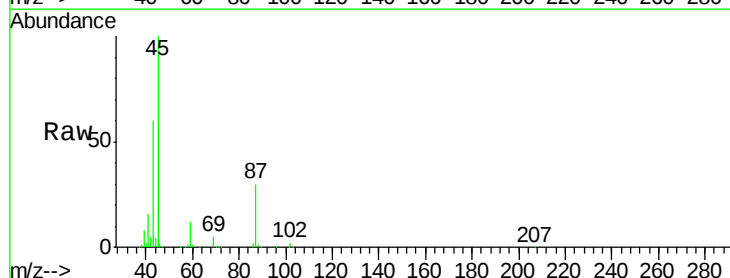
RT: 6.13 min Scan# 720

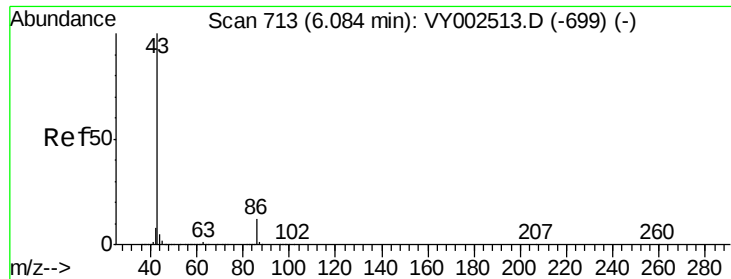
Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Tgt Ion:	45	Resp:	203956
Ion	Ratio	Lower	Upper
45	100		
43	59.6	47.4	71.0
87	29.6	24.0	36.0
59	11.8	9.8	14.8





#23

Vinyl Acetate

Concen: 104.589 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 43 Resp: 634174

Ion Ratio Lower Upper

43 100

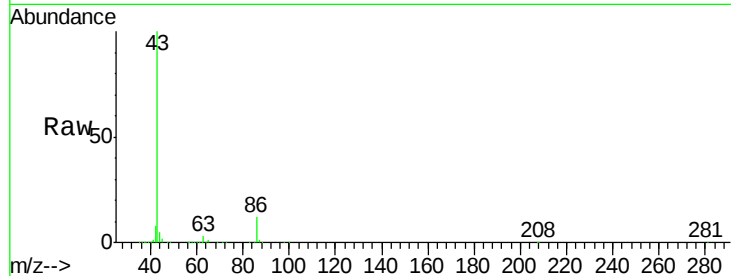
86 12.4 9.8 14.6

Manual Integrations

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MMDadoda

5/6/2020 10:26:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

200000

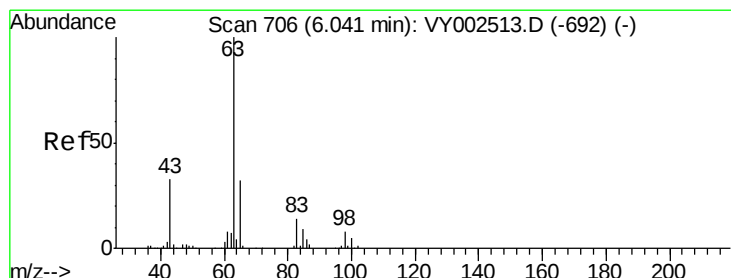
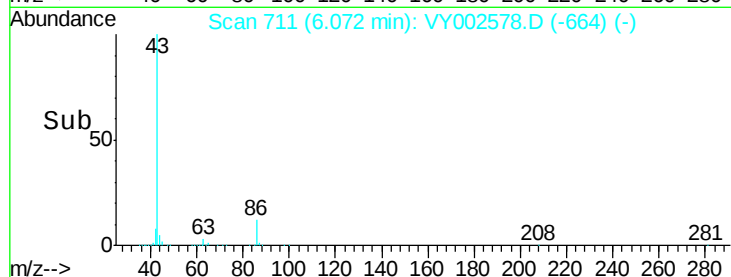
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.707 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

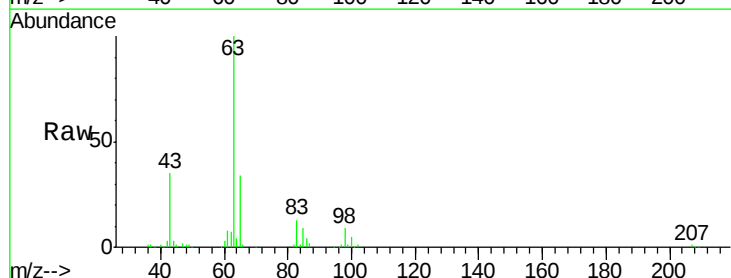
Tgt Ion: 63 Resp: 118108

Ion Ratio Lower Upper

63 100

98 8.7 3.9 11.7

100 4.7 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

50000

40000

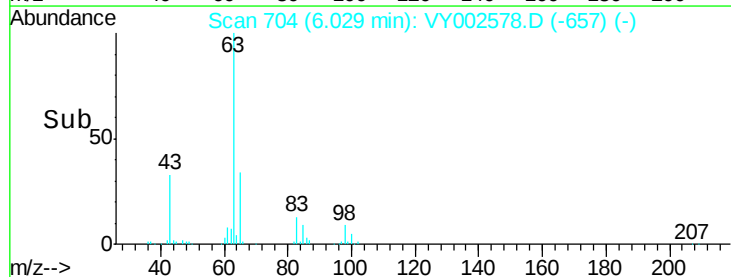
30000

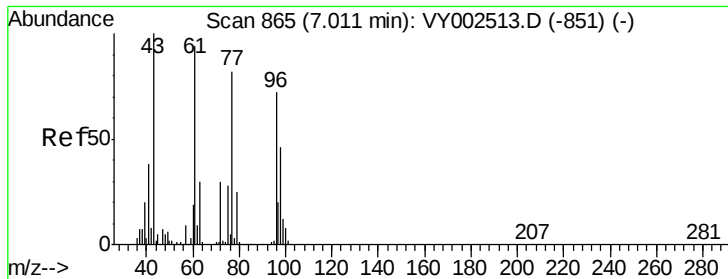
20000

10000

0

Time-->





#25

2-Butanone

Concen: 105.259 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 43 Resp: 113588

Ion Ratio Lower Upper

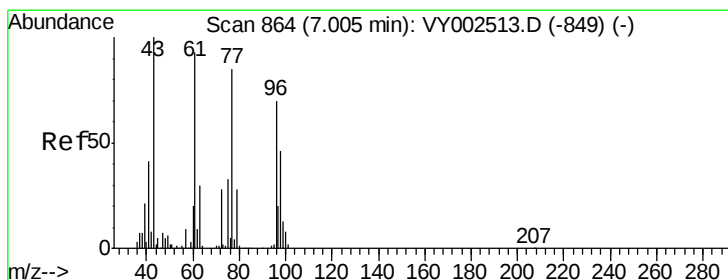
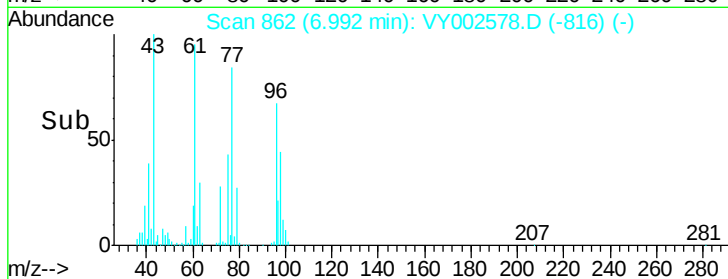
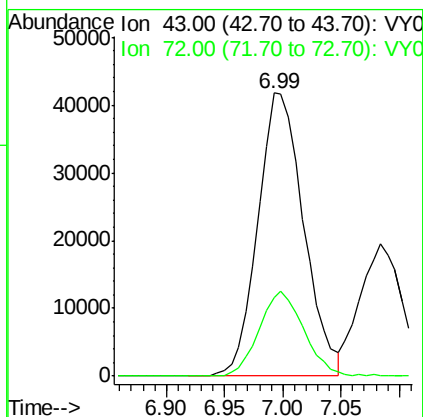
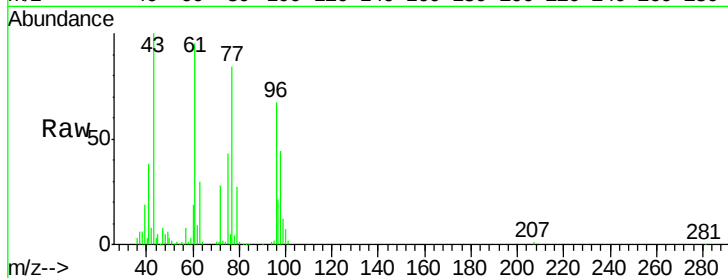
43 100

72 27.6 24.1 36.1

Manual Integrations
APPROVED

MMDadoda

5/6/2020 10:26:49 AM



#26

2,2-Dichloropropane

Concen: 19.855 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002578.D

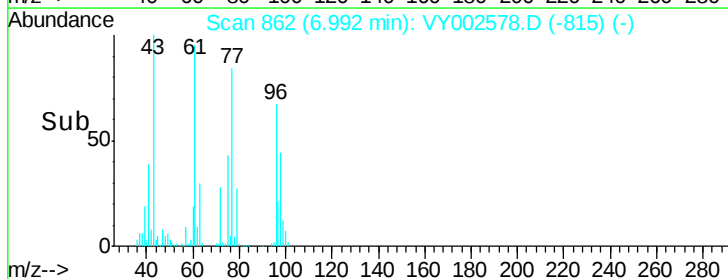
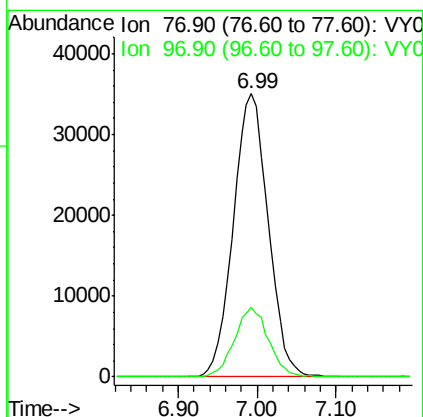
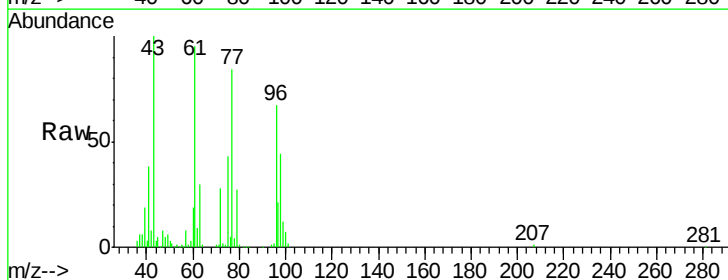
Acq: 05 May 2020 11:44

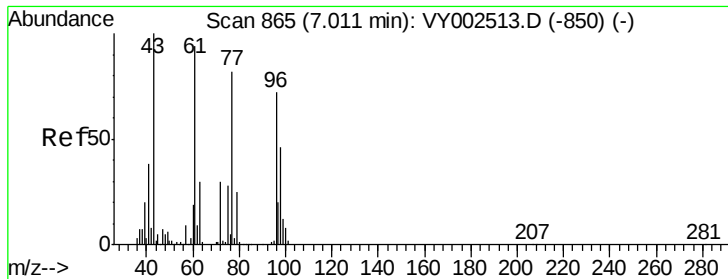
Tgt Ion: 77 Resp: 107650

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.5





#27

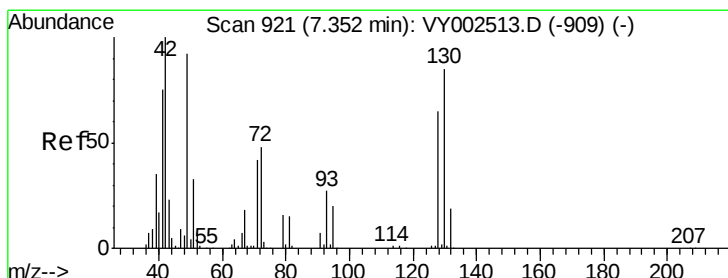
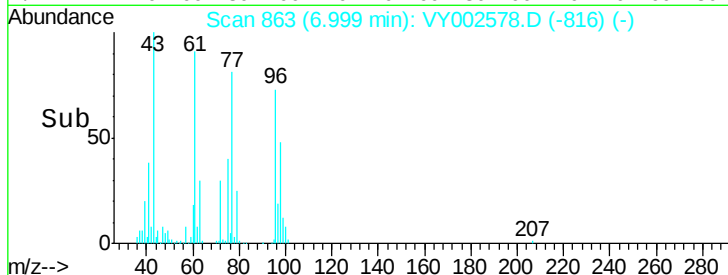
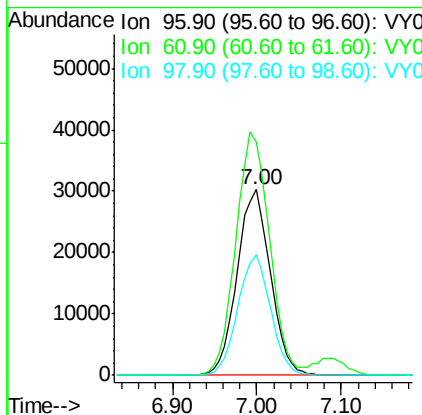
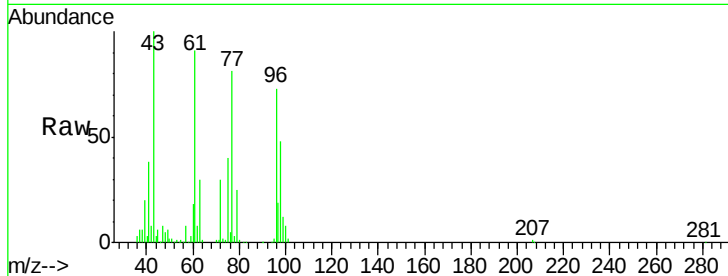
cis-1,2-Dichloroethene
Concen: 20.460 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	266.6
98	64.0	0.0	129.2

Manual Integrations
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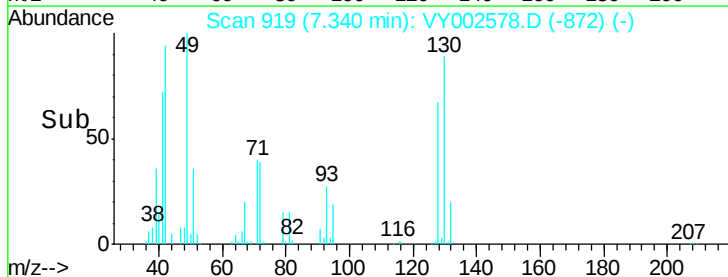
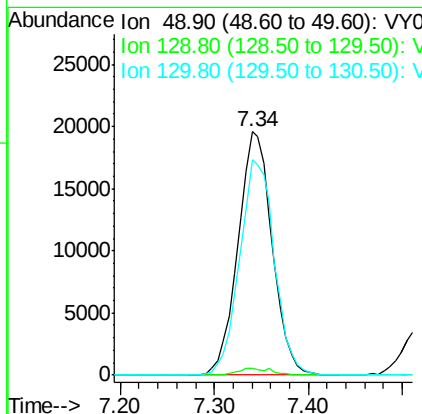
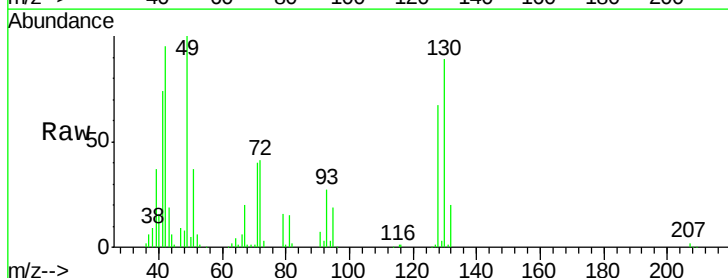
MMDadoda
5/6/2020 10:26:49 AM

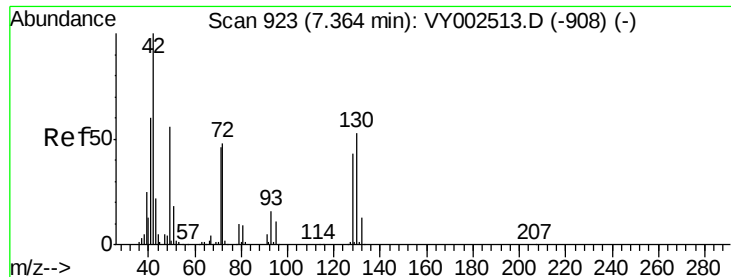


#28

Bromochloromethane
Concen: 21.202 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	90.2	72.5	108.7





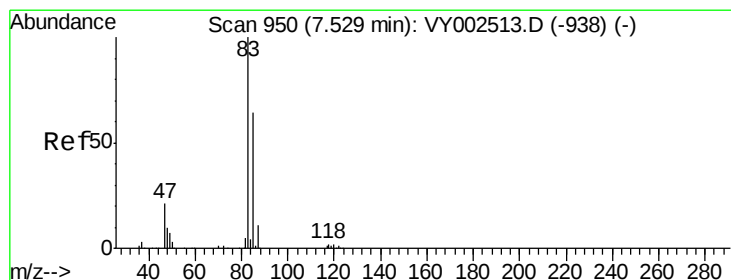
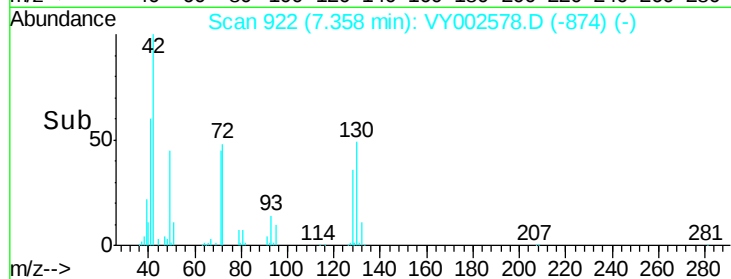
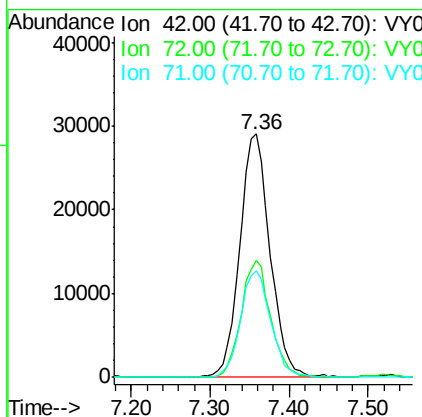
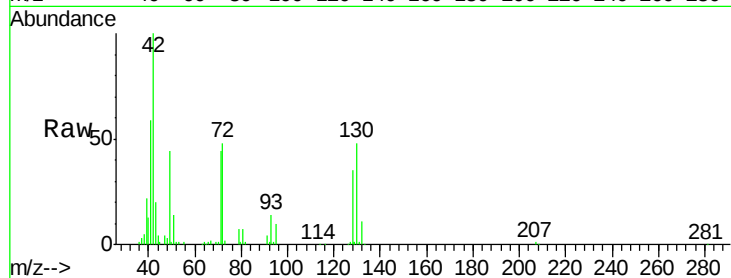
#29
Tetrahydrofuran
Concen: 108.947 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion:	42	Resp:	77785
Ion Ratio		Lower	Upper
42	100		
72	46.6	37.4	56.2
71	43.5	35.0	52.4

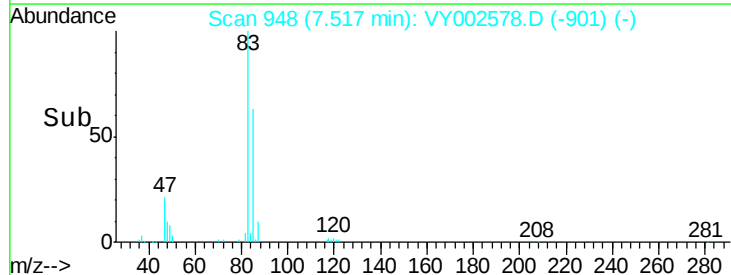
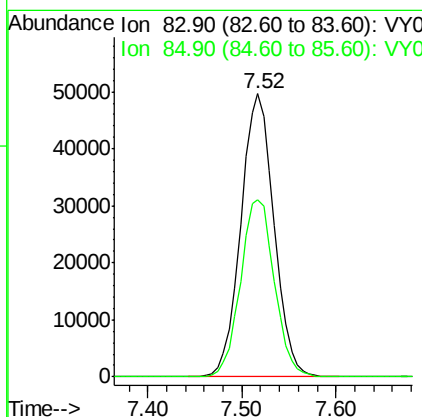
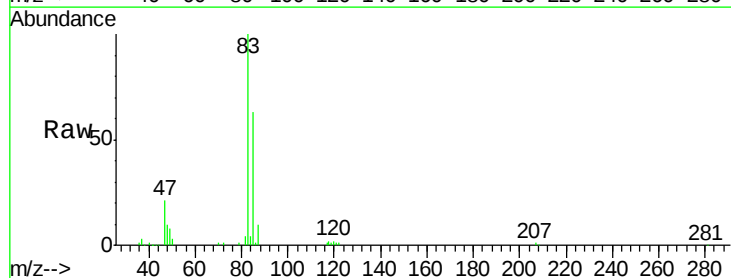
Manual Integrations
APPROVED

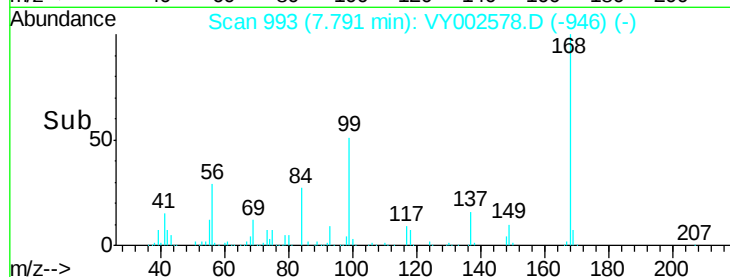
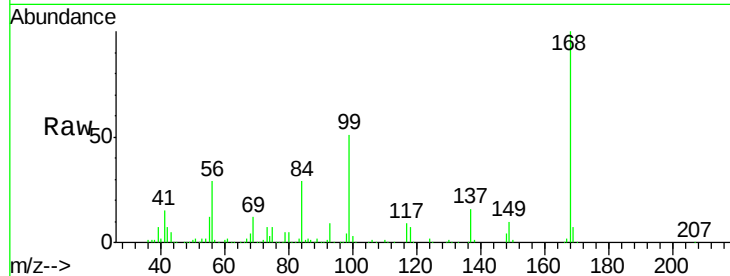
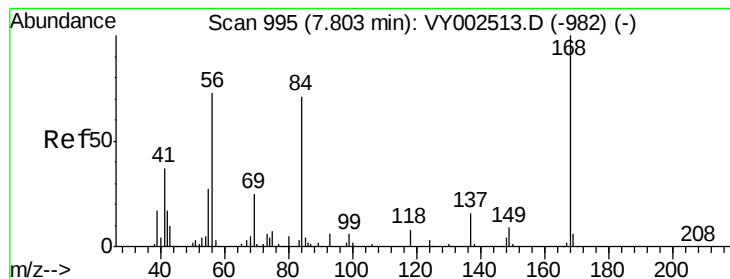
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#30
Chloroform
Concen: 20.584 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion:	83	Resp:	122079
Ion Ratio		Lower	Upper
83	100		
85	62.6	51.5	77.3





#31

Cyclohexane

Concen: 19.411 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Tot Ion:	56	Resp:	111447
Ion Ratio	Lower	Upper	
56	100		
69	40.5	27.6	41.4
84	96.5	77.7	116.5

Instrument :

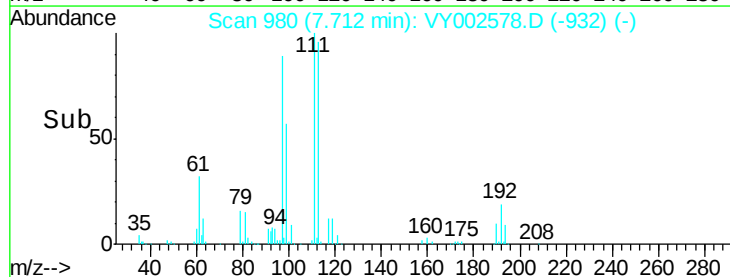
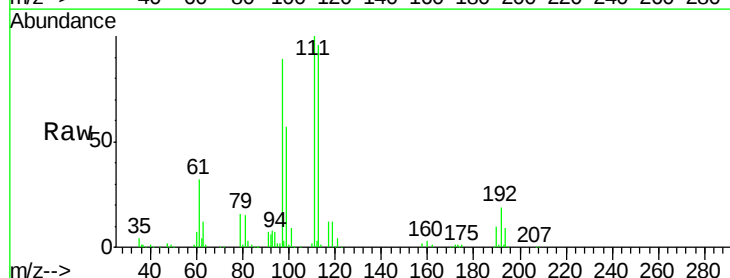
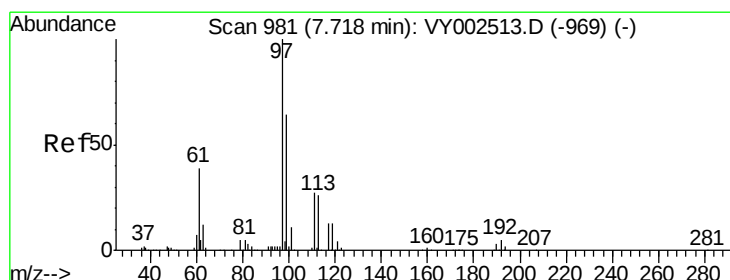
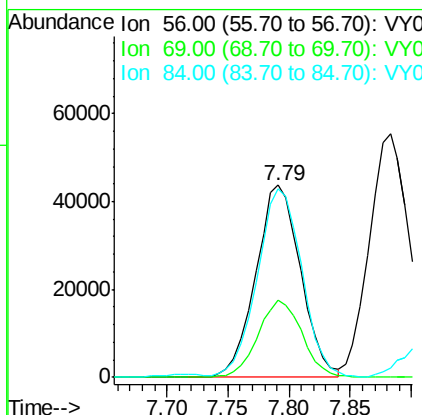
MSVOA_Y

ClientSampleId :

VY0505SBS01

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.901 ug/l

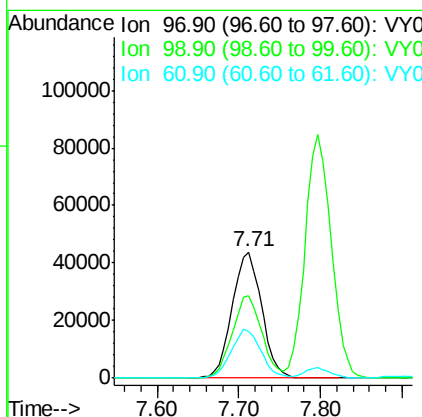
RT: 7.71 min Scan# 980

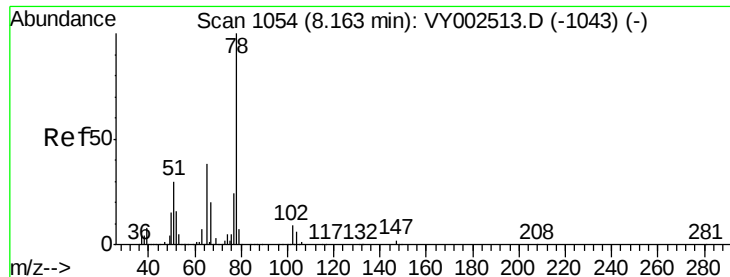
Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Tgt Ion:	97	Resp:	109705
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.9	77.9
61	38.6	31.0	46.6





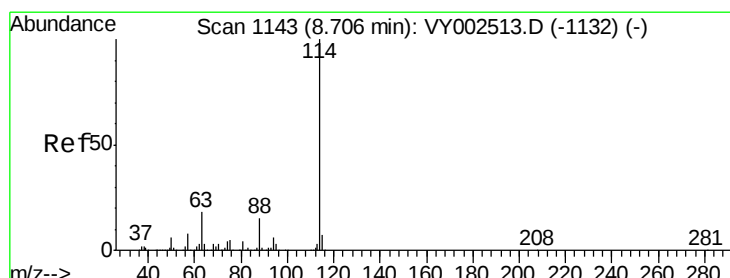
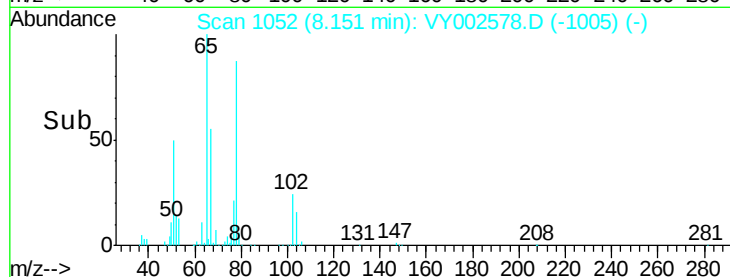
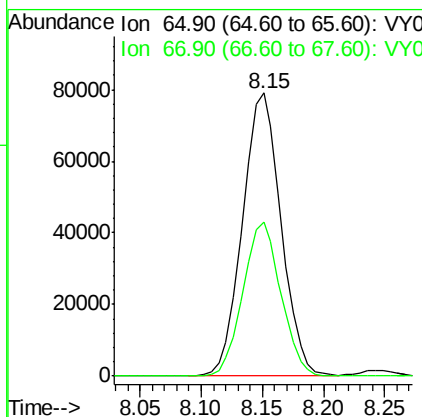
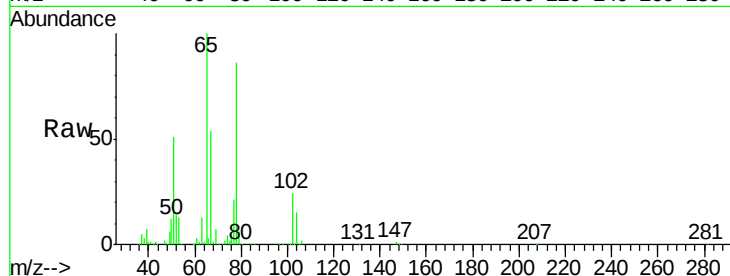
#33
 1,2-Dichloroethane-d4
 Concen: 54.206 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	107.2	

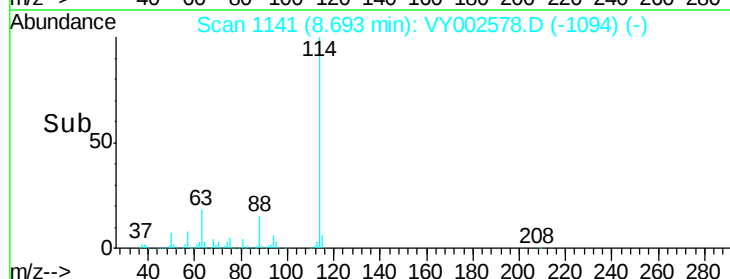
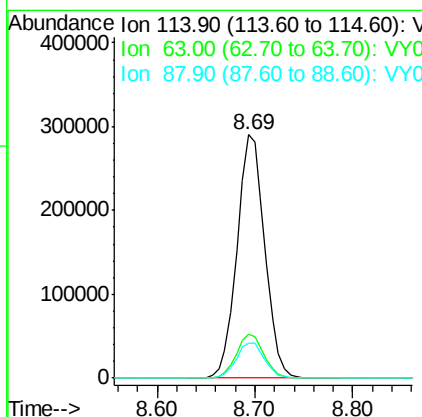
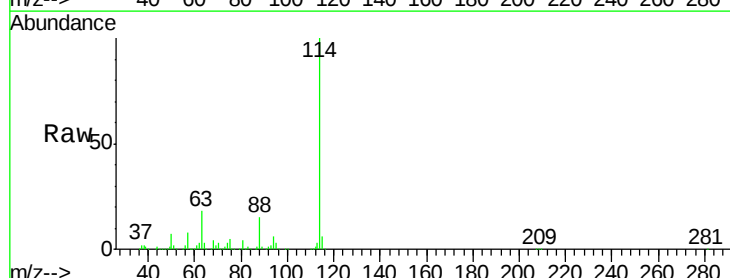
Manual Integrations
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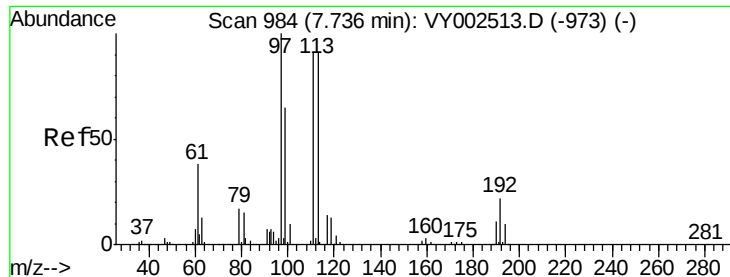
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 5/6/2020 10:26:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.0	0.0	36.4	
88	14.5	0.0	29.6	





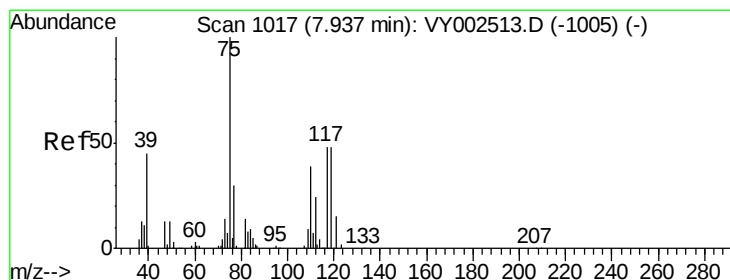
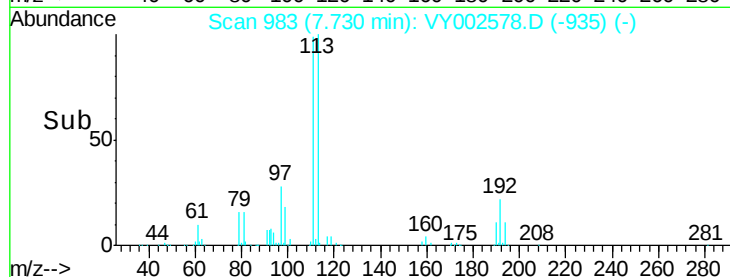
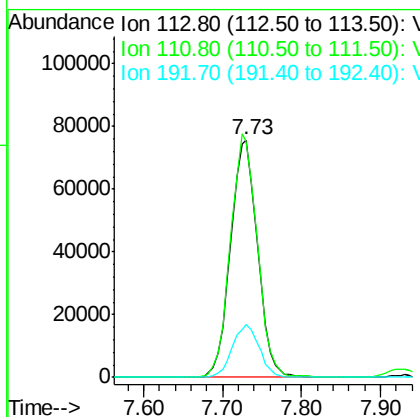
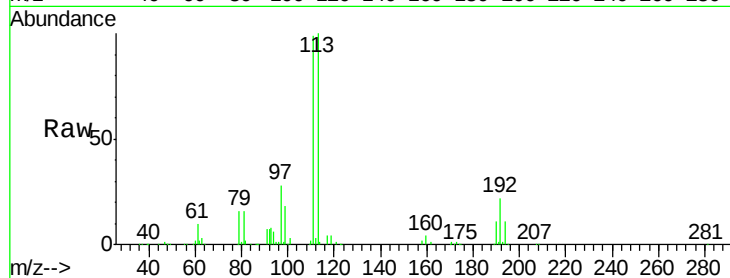
#35
Dibromofluoromethane
Concen: 55.316 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	22.1	18.2	27.4

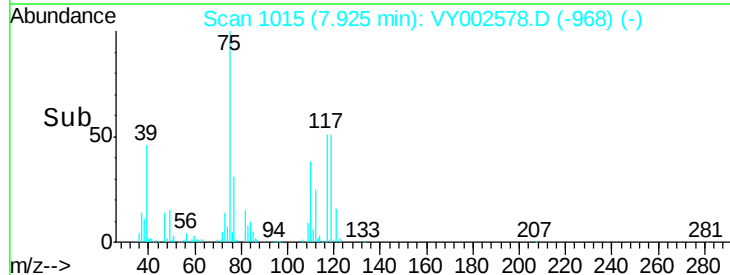
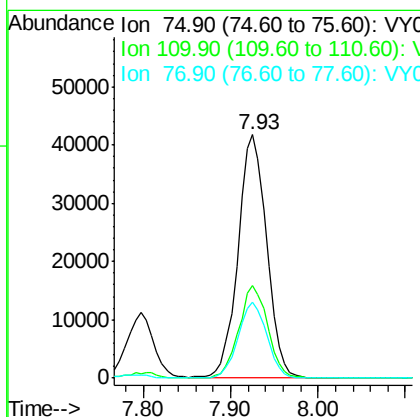
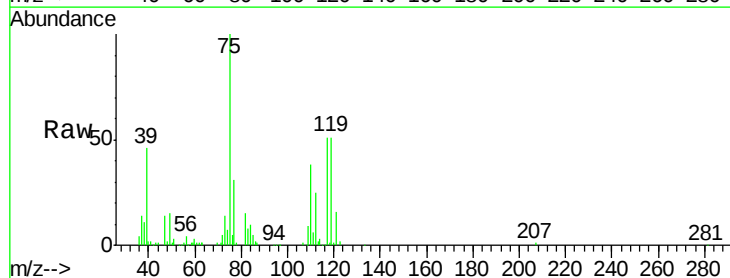
Manual Integrations
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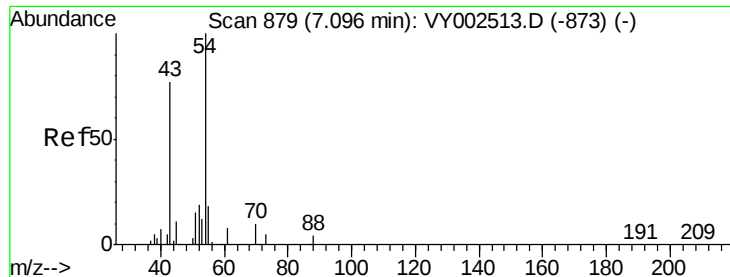
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#36
1,1-Dichloropropene
Concen: 19.917 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.1	57.3
77	31.1	24.6	37.0





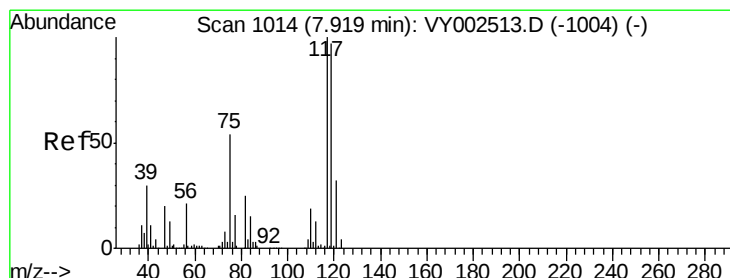
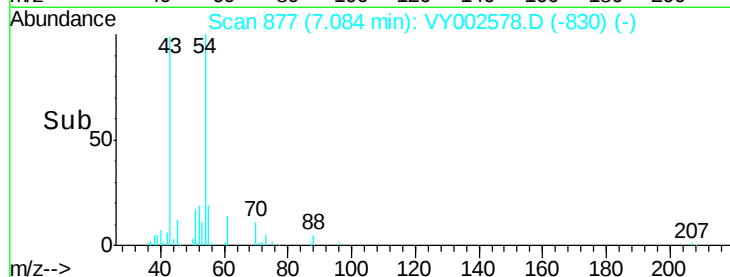
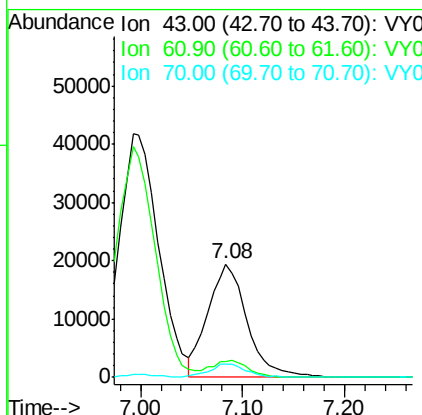
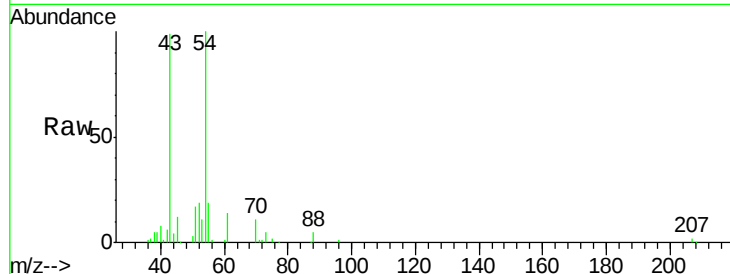
#37
Ethyl Acetate
Concen: 20.930 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.6	17.4
70	11.3	9.0	13.6

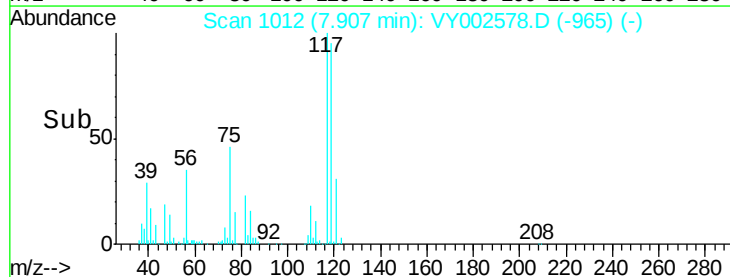
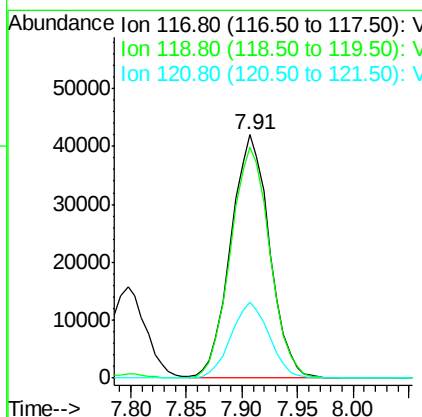
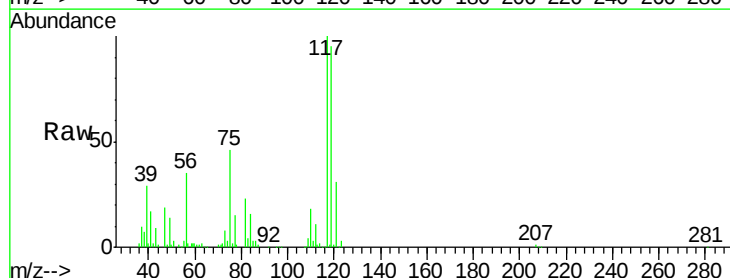
Manual Integrations
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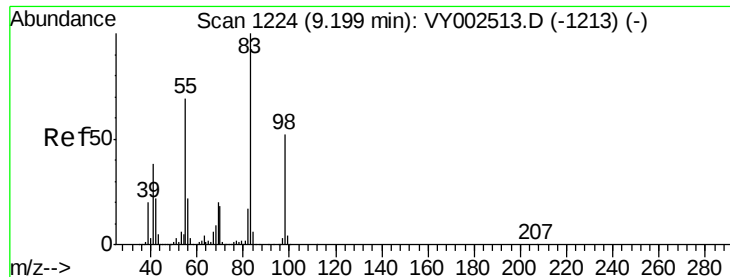
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#38
Carbon Tetrachloride
Concen: 19.480 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.1	115.7
121	31.2	25.2	37.8





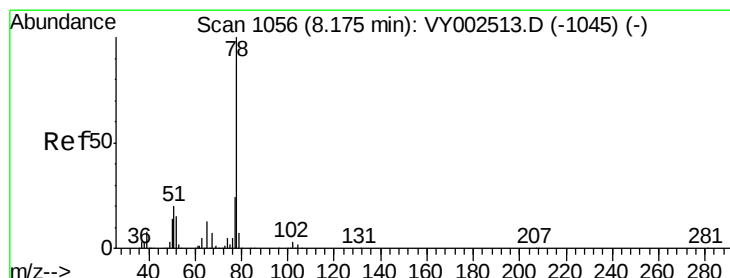
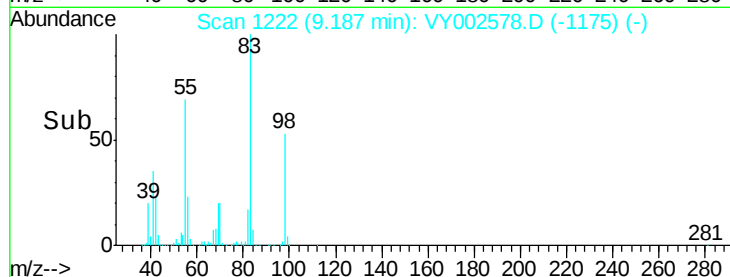
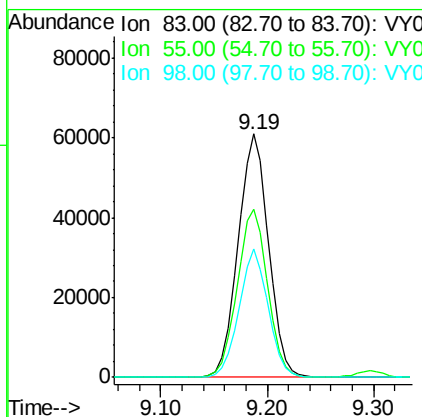
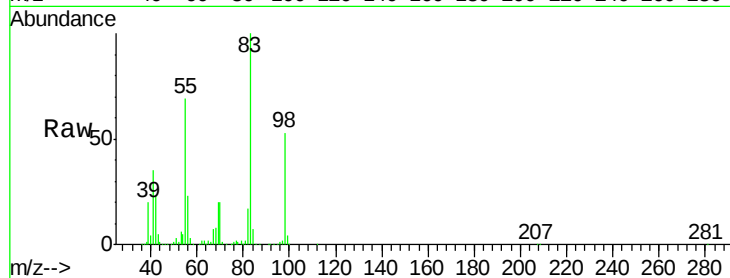
#39
Methvlcvclohexane
Concen: 19.351 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	121991		
55	69.1		55.4	83.0
98	53.0		41.3	61.9

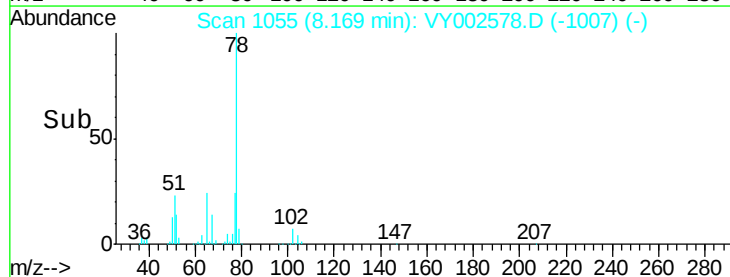
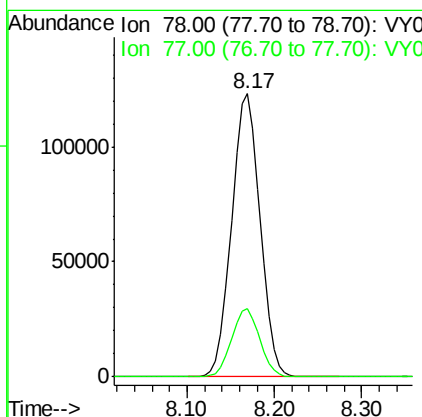
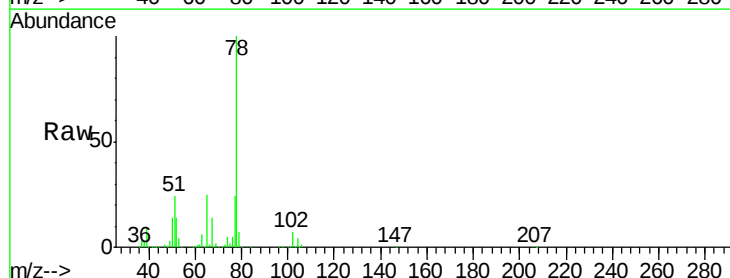
Manual Integrations
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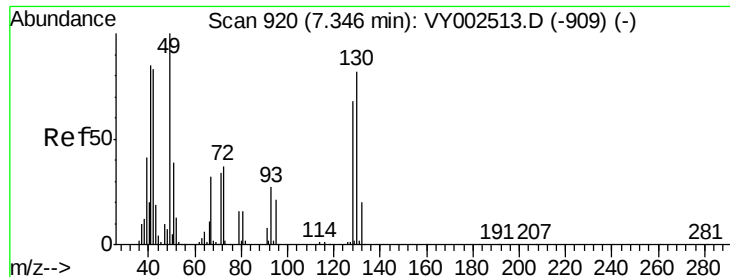
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#40
Benzene
Concen: 20.177 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	278147		
77	24.1		19.2	28.8





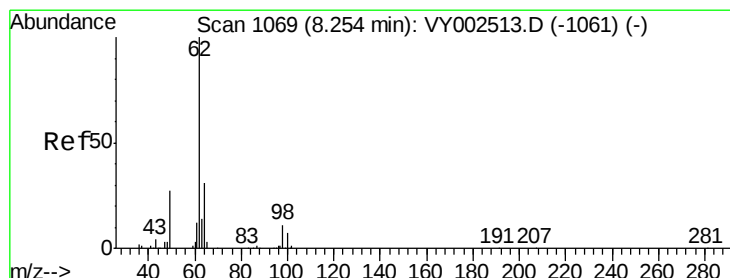
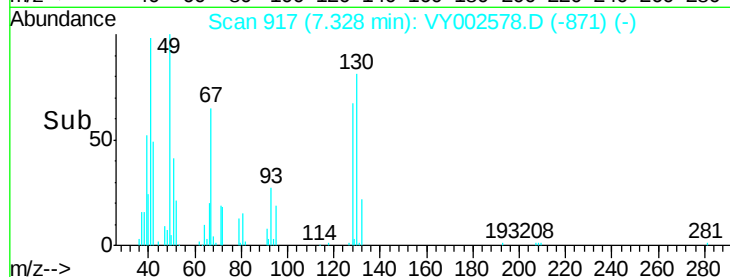
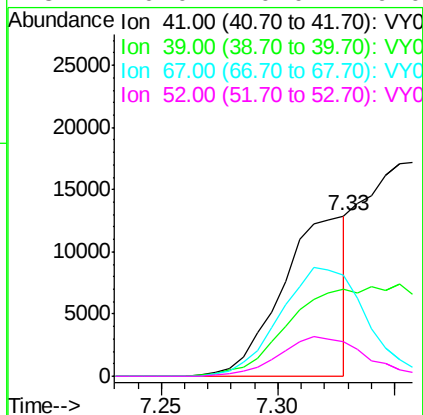
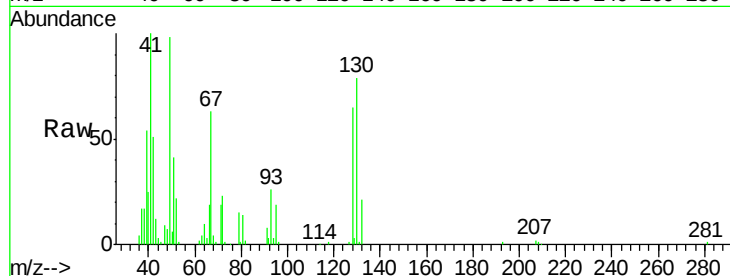
#41
Methacrylonitrile
Concen: 18.738 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	132.1	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

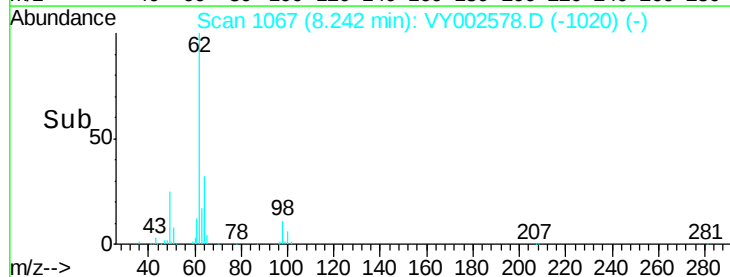
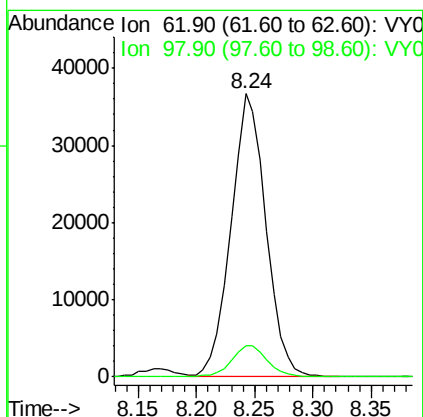
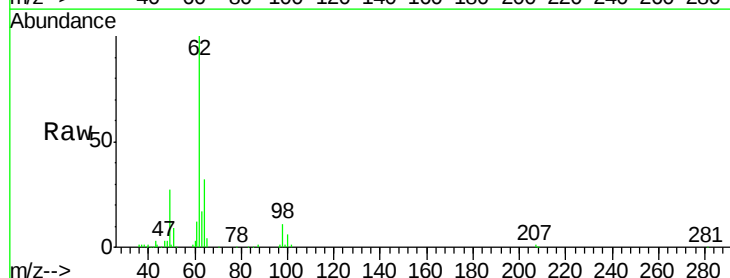
Manual Integrations
APPROVED

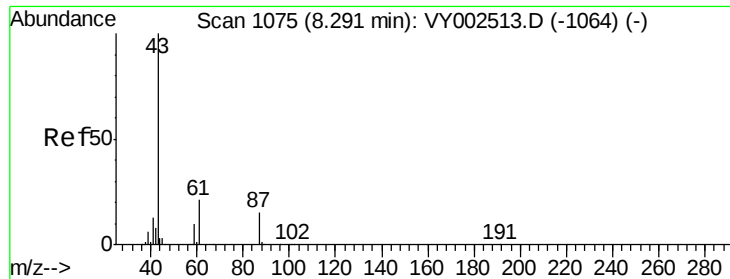
MMDadoda
5/6/2020 10:26:49 AM



#42
1,2-Dichloroethane
Concen: 19.797 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	21.0





#43

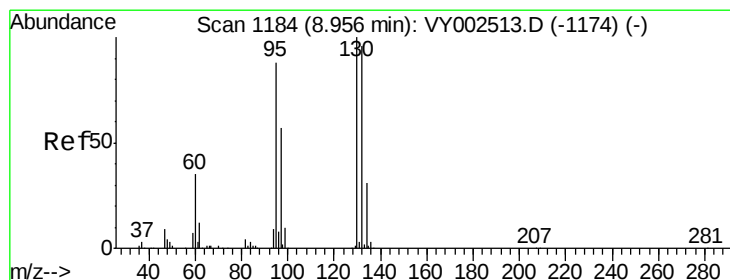
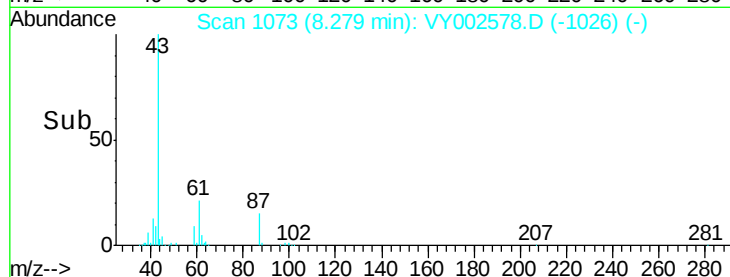
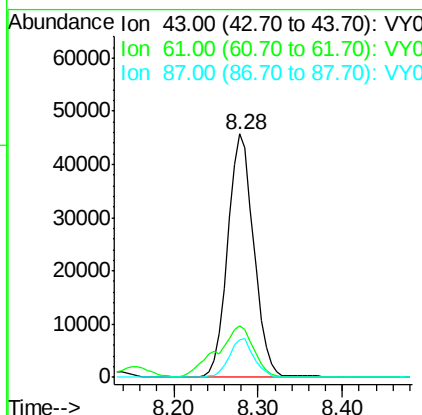
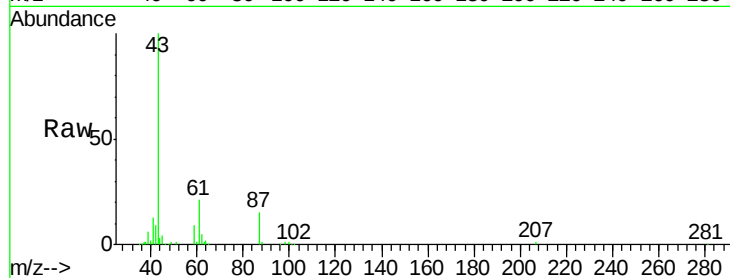
Isopropyl Acetate
 Concen: 20.949 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.8	37.2
87	15.3	12.2	18.2

Manual Integrations
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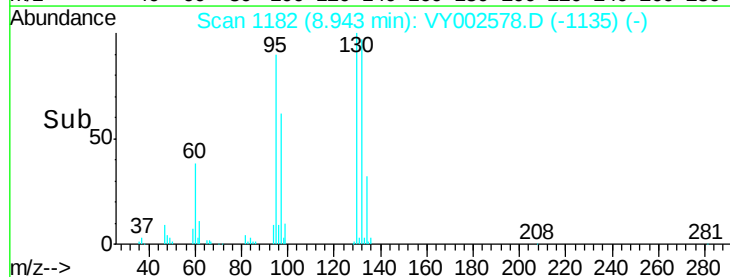
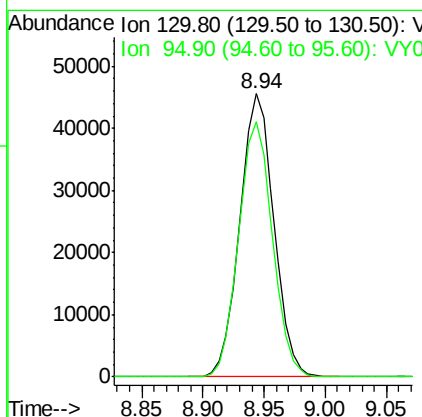
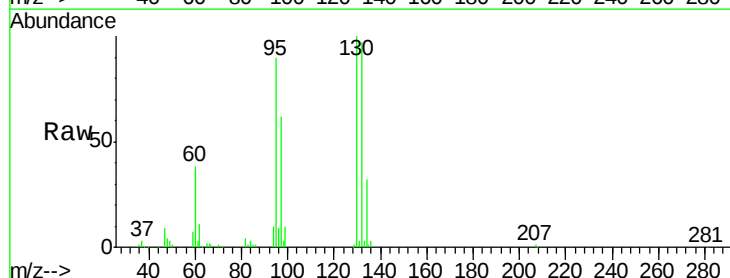
MMDadoda
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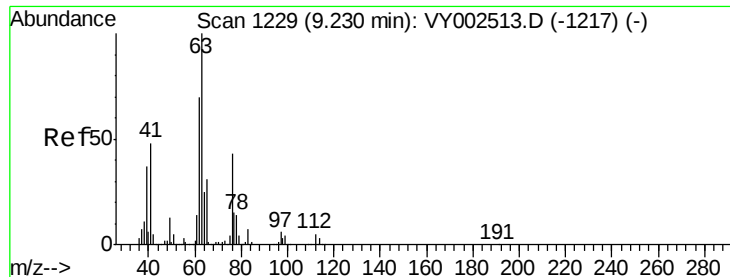


#44

Trichloroethene
 Concen: 20.469 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	175.8





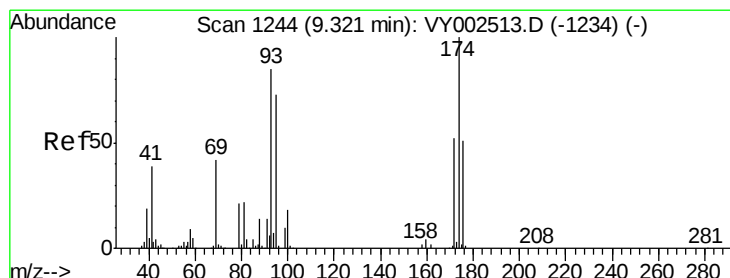
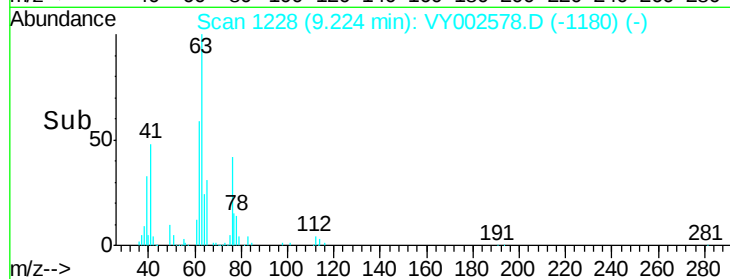
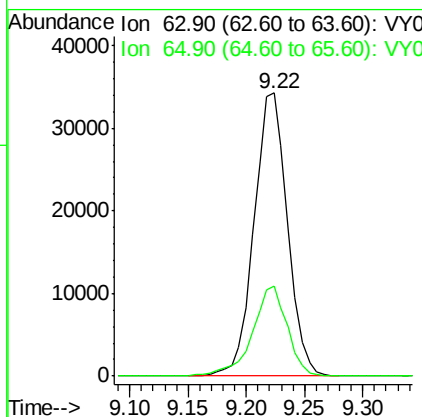
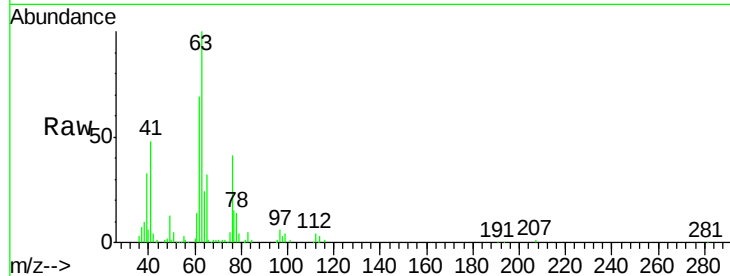
#45
 1,2-Dichloropropane
 Concen: 20.582 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.5	36.7

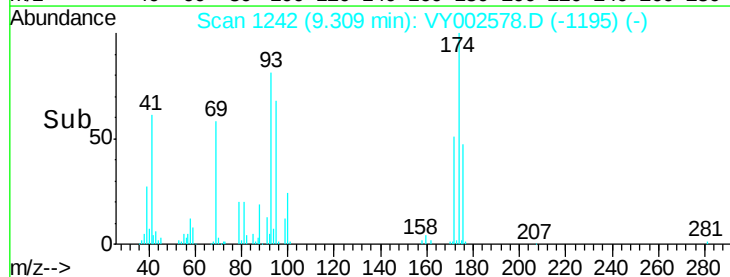
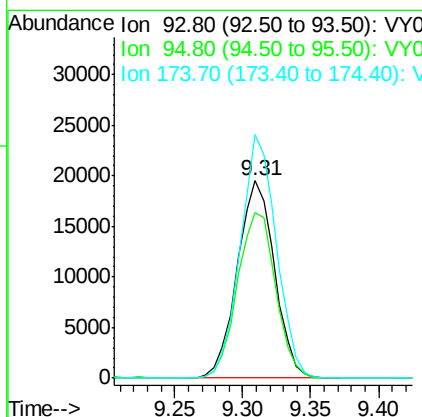
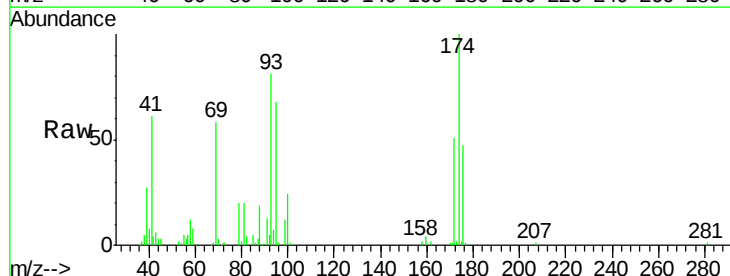
Manual Integrations
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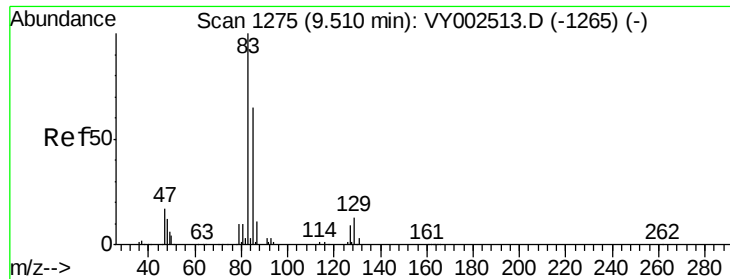
MMDadoda
 5/6/2020 10:26:49 AM



#46
 Dibromomethane
 Concen: 19.478 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.3	67.0	100.4
174	119.6	92.7	139.1





#47

Bromodichloromethane

Concen: 20.256 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

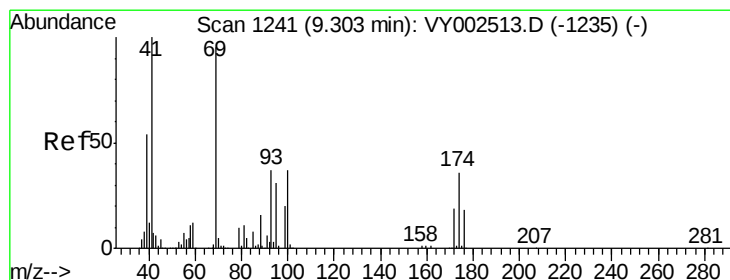
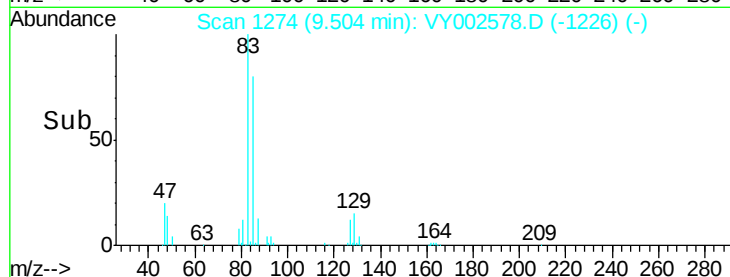
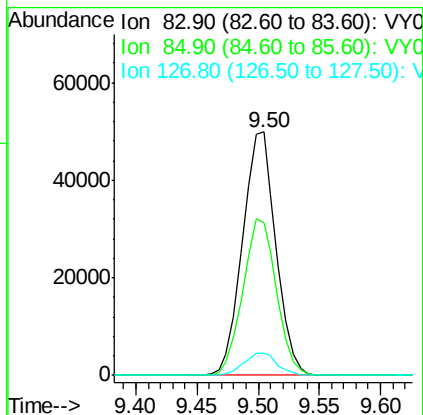
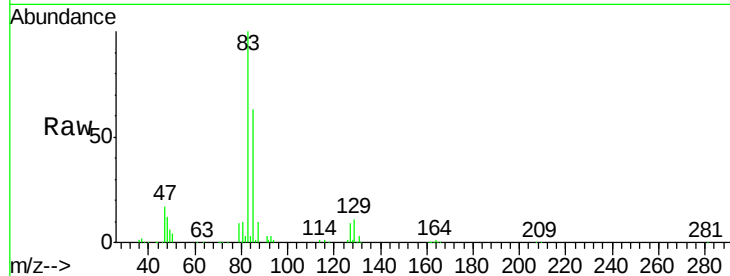
ClientSampleId :

VY0505SBS01

Tot Ion:	83	Resp:	94284
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.8	77.8
127	9.0	7.4	11.0

Manual Integrations
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MMDadoda
5/6/2020 10:26:49 AM



#48

Methyl methacrylate

Concen: 21.048 ug/l

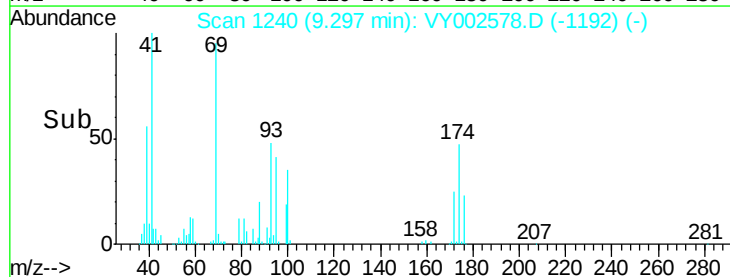
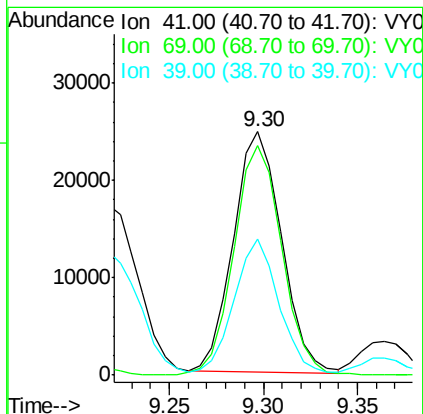
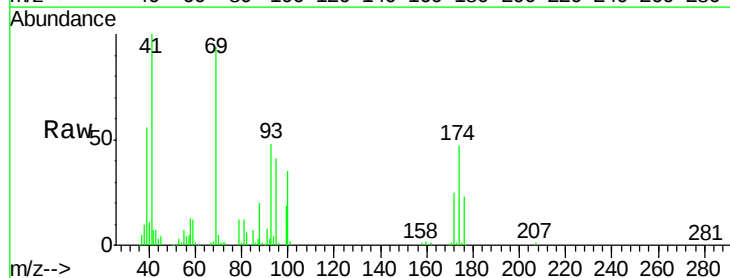
RT: 9.30 min Scan# 1240

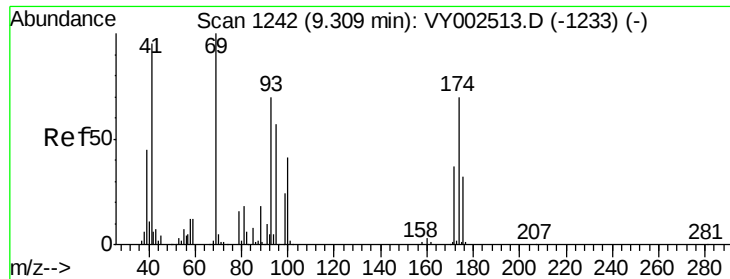
Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Tgt Ion:	41	Resp:	43800
Ion Ratio	Lower	Upper	
41	100		
69	94.9	76.2	114.4
39	53.2	42.7	64.1





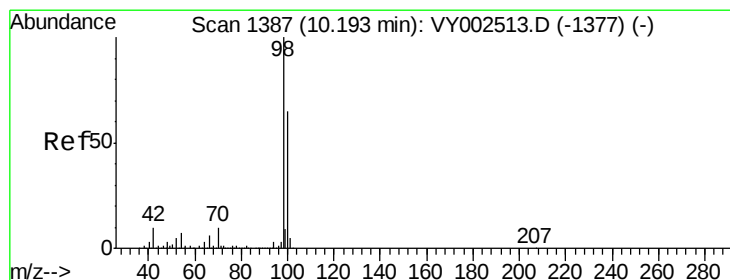
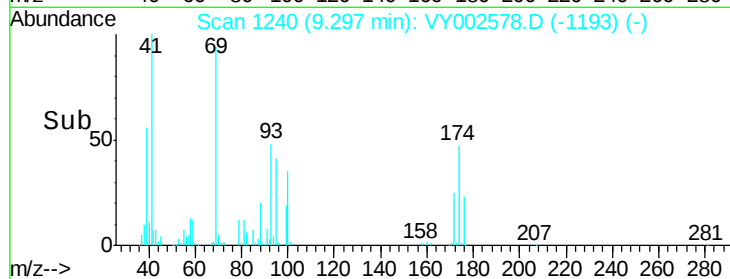
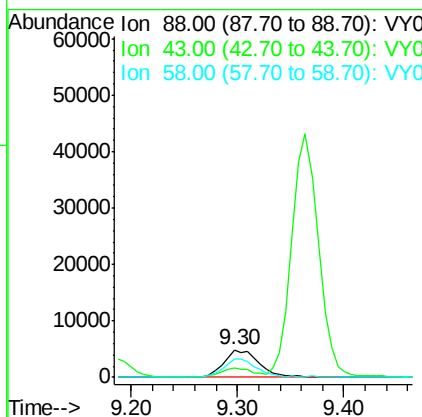
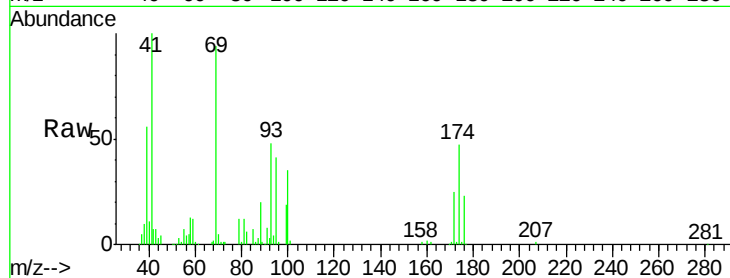
#49
1,4-Dioxane
Concen: 437.835 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	22.8	34.2
58	65.7	51.4	77.2

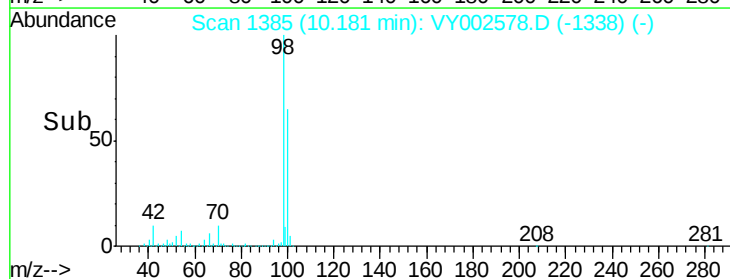
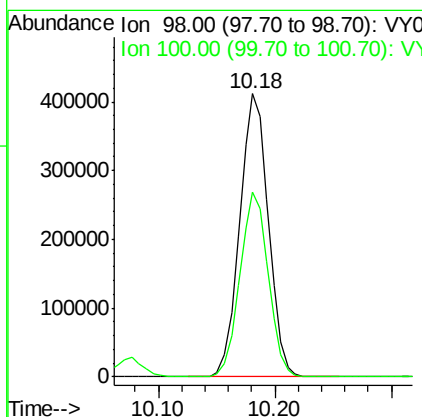
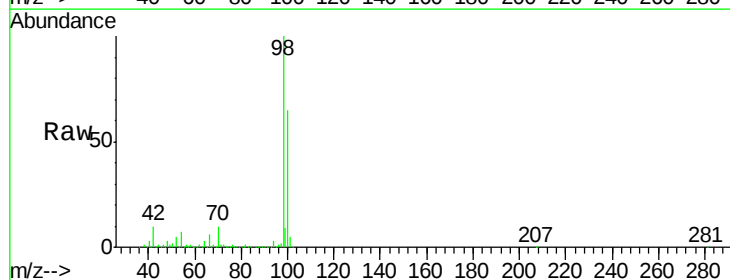
Manual Integrations
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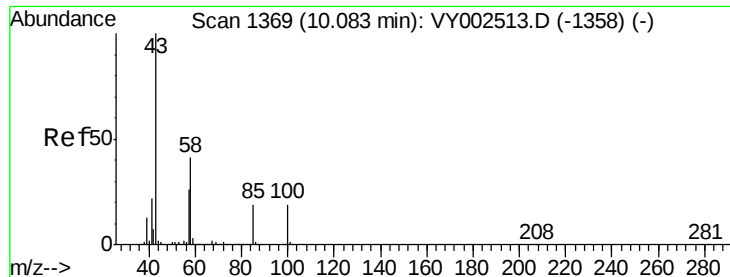
MMDadoda
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#50
Toluene-d8
Concen: 55.469 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 106.982 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 43 Resp: 253553

Ion Ratio Lower Upper

43 100

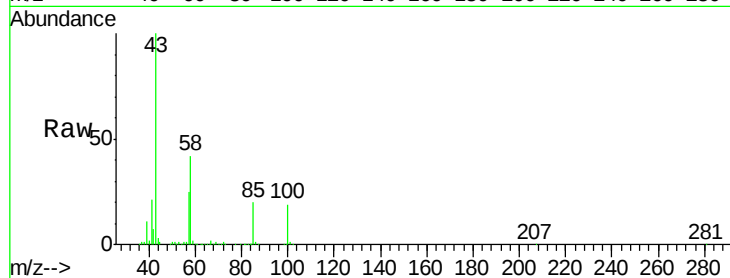
58 41.6 33.2 49.8

Manual Integrations

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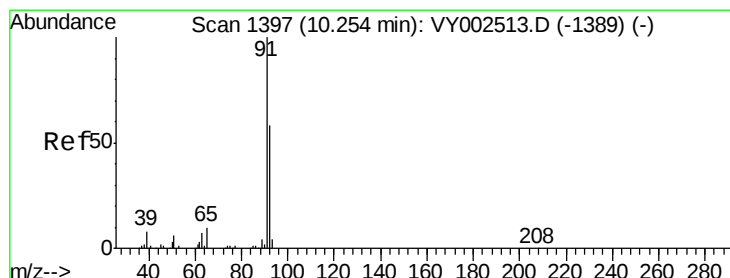
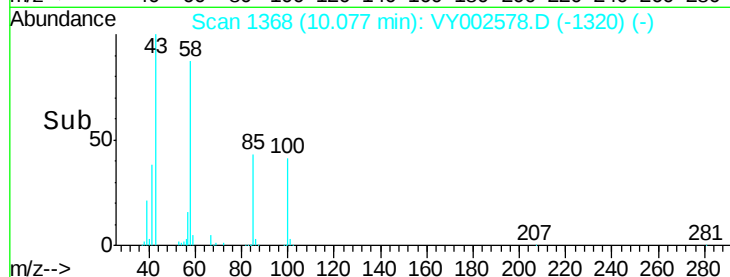
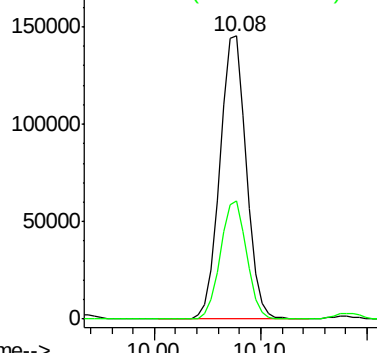
MMDadoda

5/6/2020 10:26:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 20.159 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002578.D

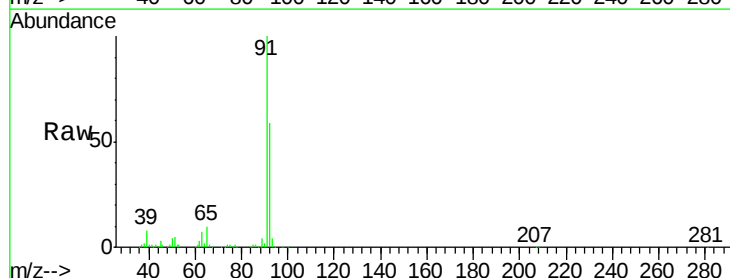
Acq: 05 May 2020 11:44

Tgt Ion: 92 Resp: 178596

Ion Ratio Lower Upper

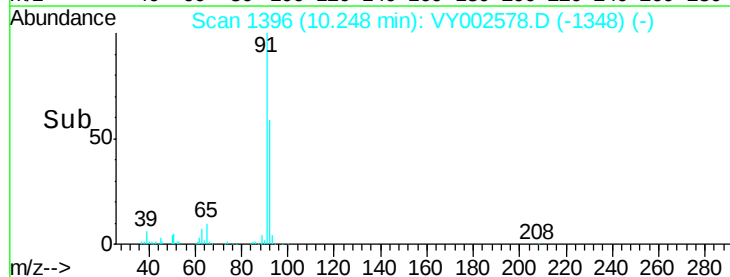
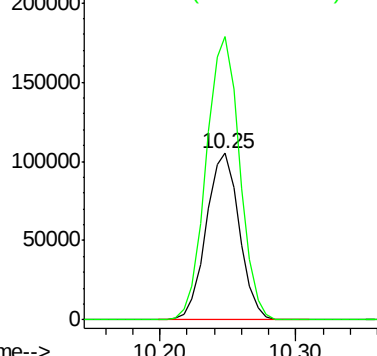
92 100

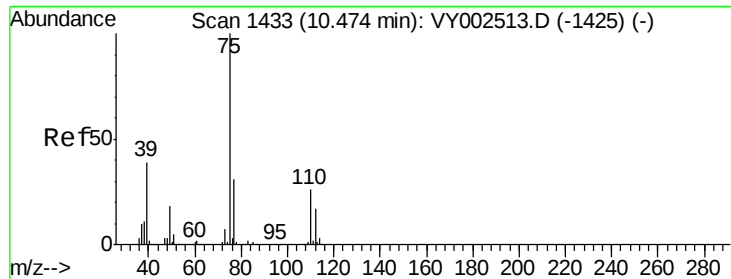
91 171.6 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 20.117 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 75 Resp: 98106

Ion Ratio Lower Upper

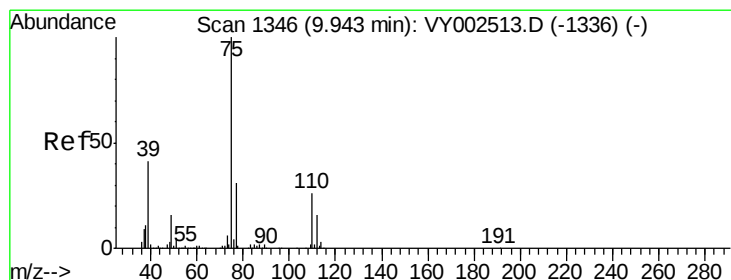
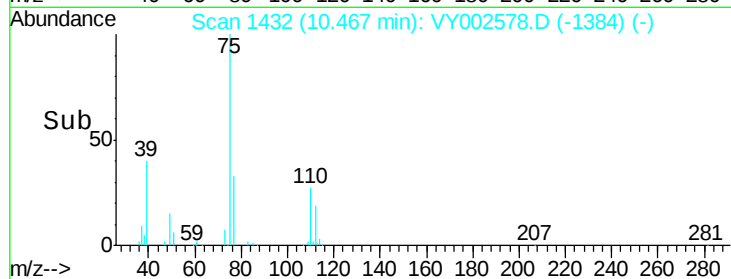
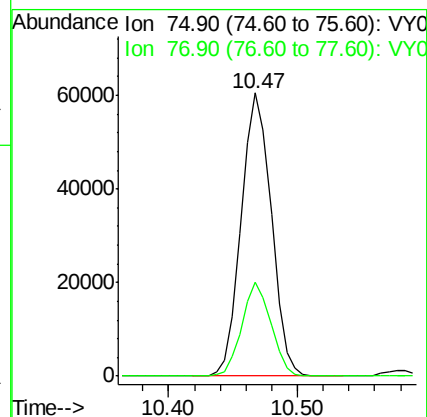
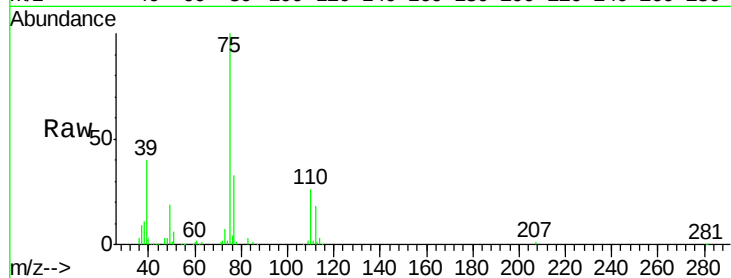
75 100

77 33.2 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 20.025 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

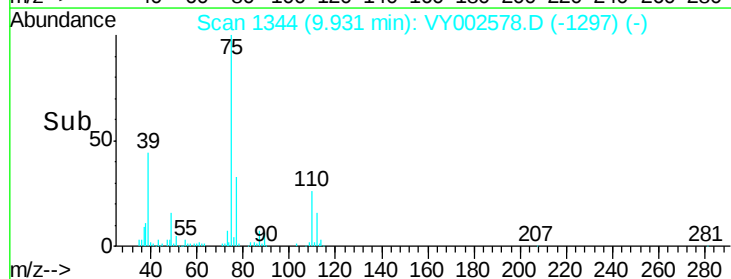
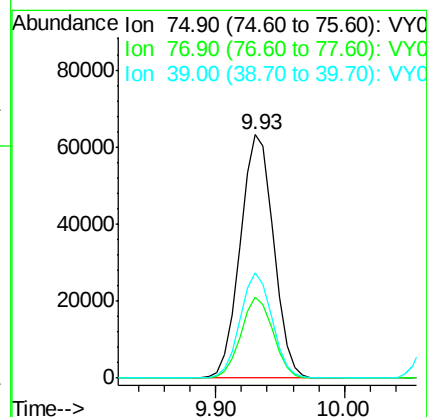
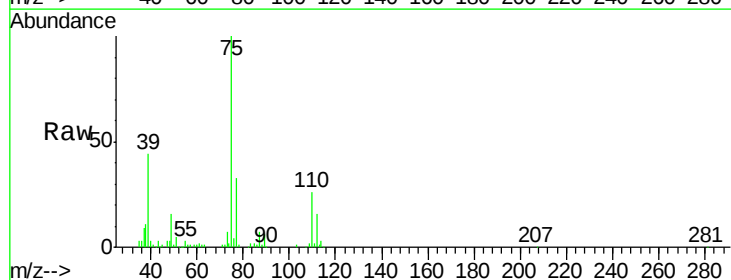
Tgt Ion: 75 Resp: 112895

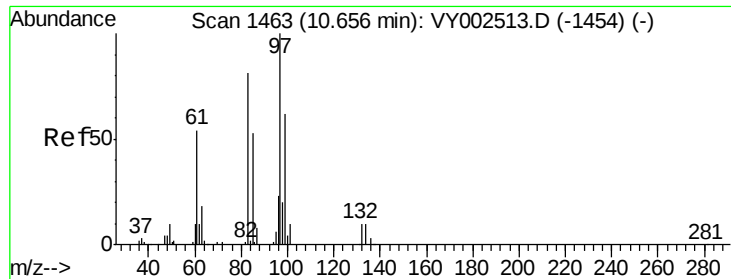
Ion Ratio Lower Upper

75 100

77 33.5 25.1 37.7

39 43.5 32.7 49.1





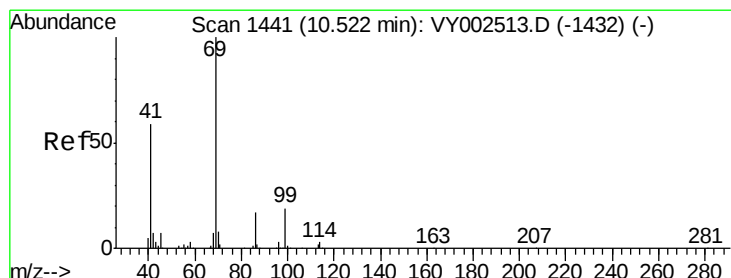
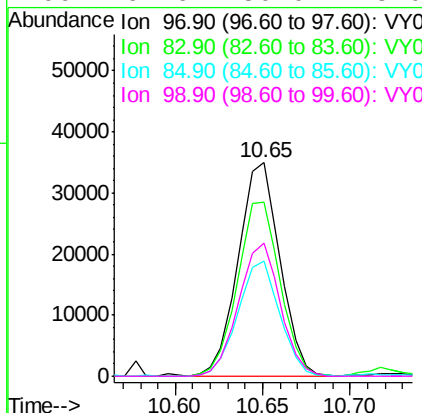
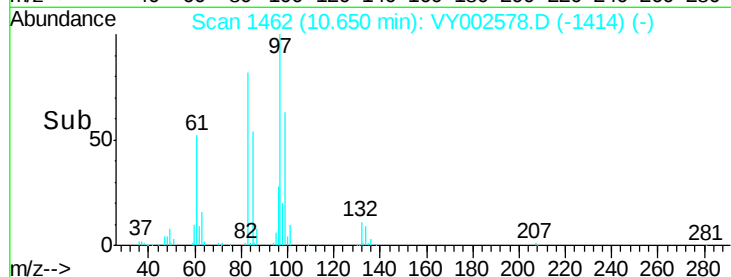
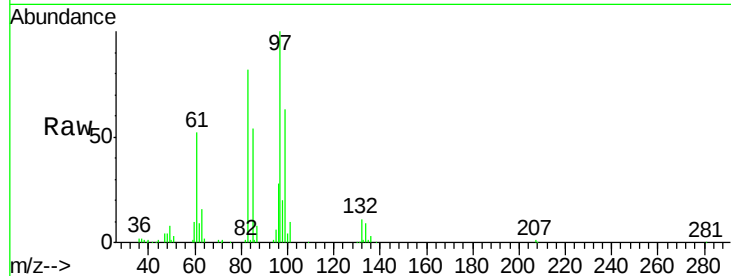
#55
 1,1,2-Trichloroethane
 Concen: 20.807 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion:	97	Resp:	58084
Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.1	97.7
85	53.9	42.7	64.1
99	62.6	50.0	75.0

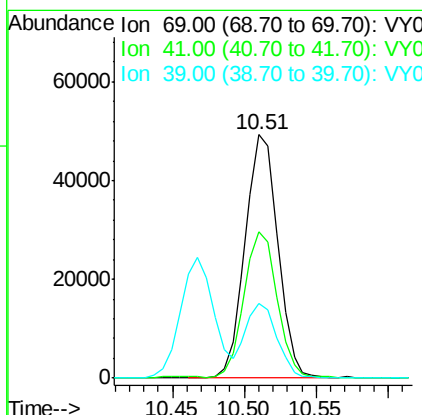
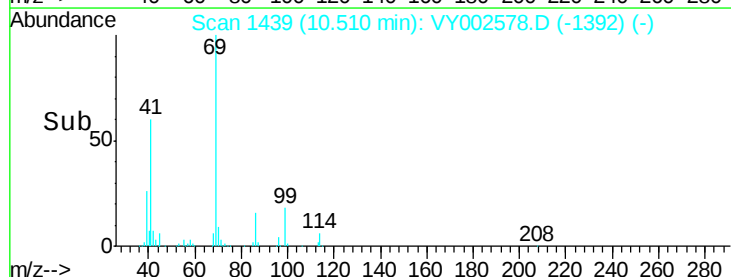
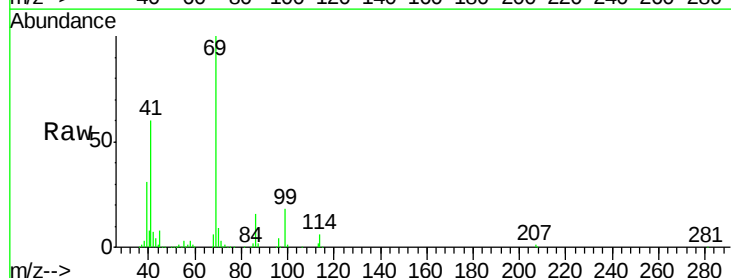
Manual Integrations
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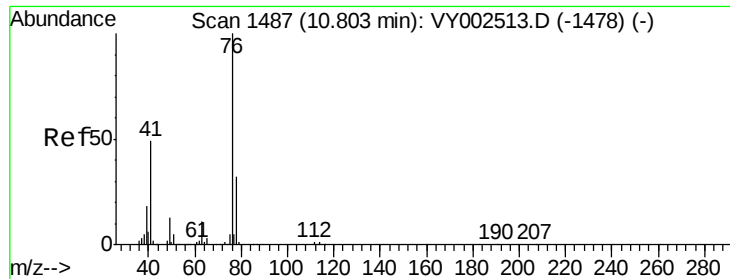
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#56
 Ethyl methacrylate
 Concen: 20.905 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Tgt Ion:	69	Resp:	77630
Ion	Ratio	Lower	Upper
69	100		
41	60.0	48.6	73.0
39	29.1	25.0	37.4





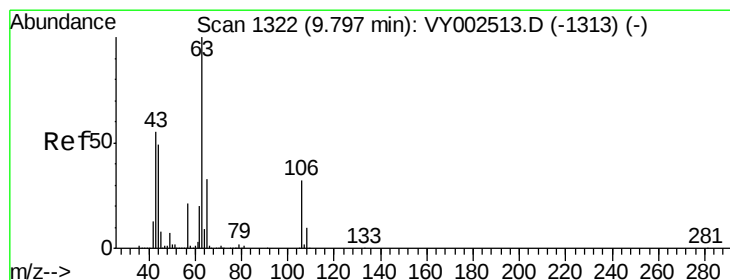
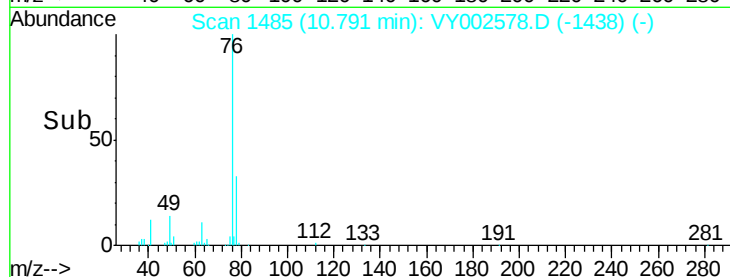
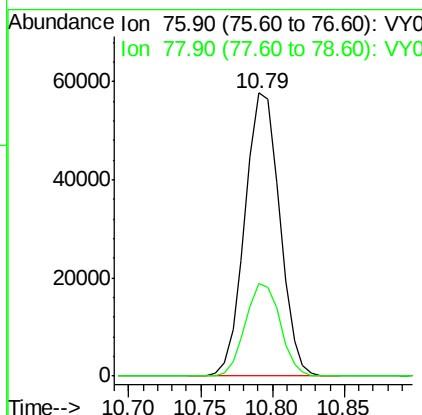
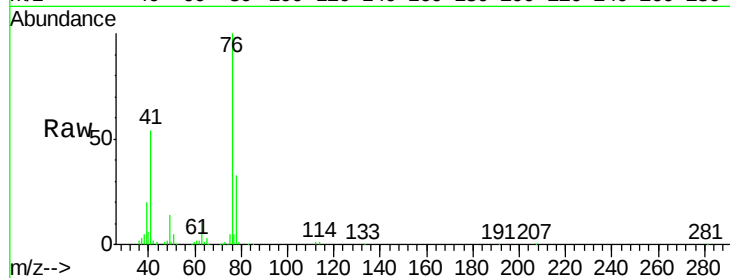
#57
 1,3-Dichloropropane
 Concen: 20.399 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.4	38.2

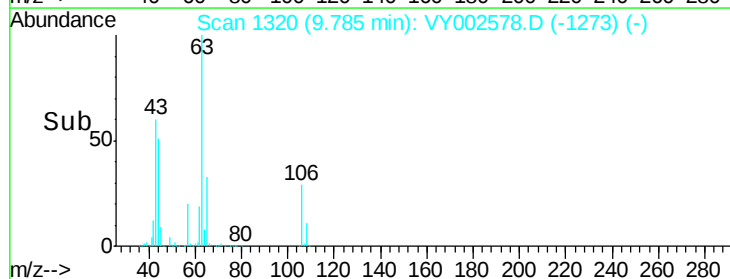
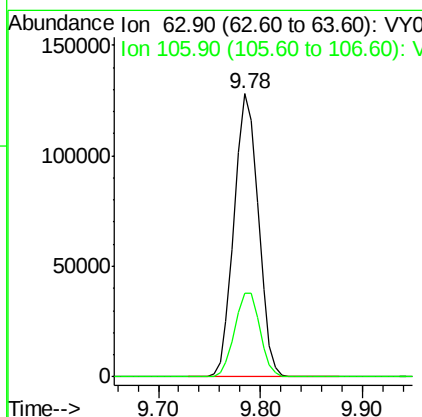
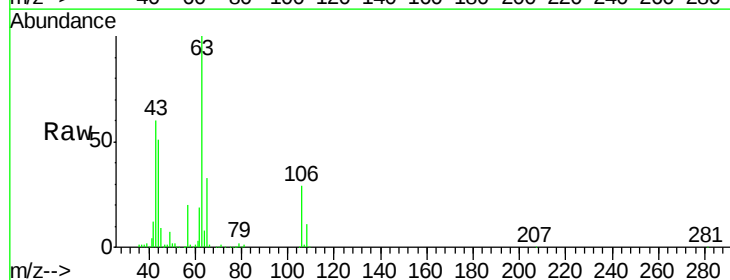
Manual Integrations
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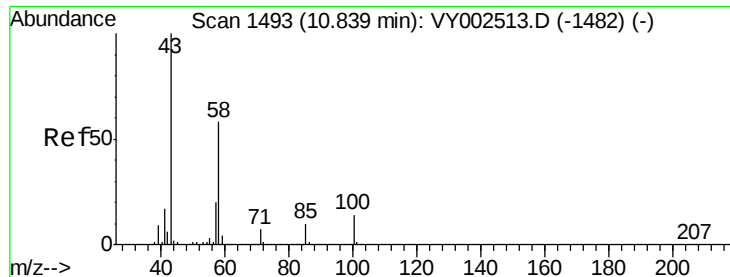
MMDadoda
 5/6/2020 10:26:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.567 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	25.2	37.8





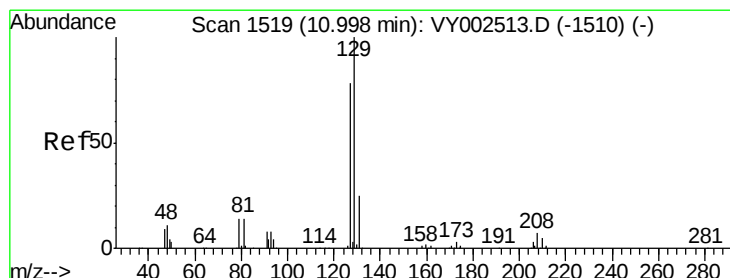
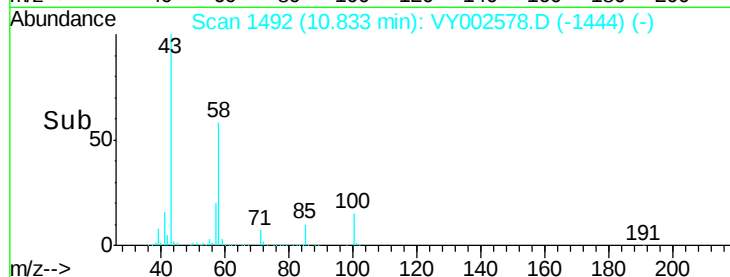
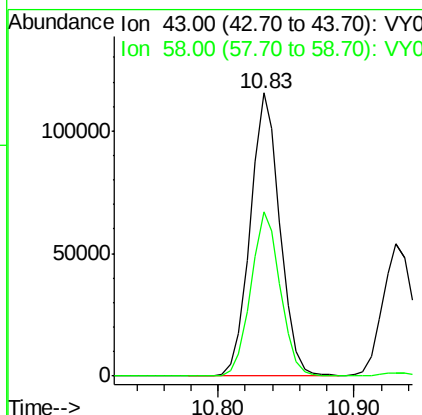
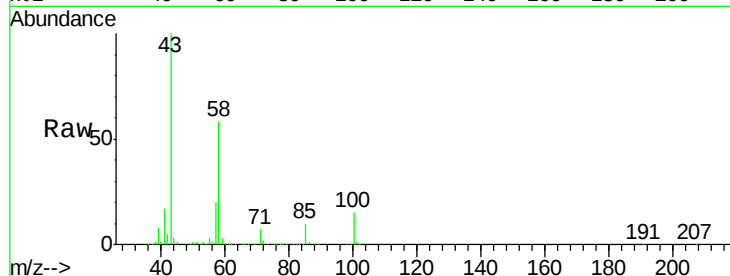
#59
2-Hexanone
Concen: 107.962 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.8	29.1	87.3

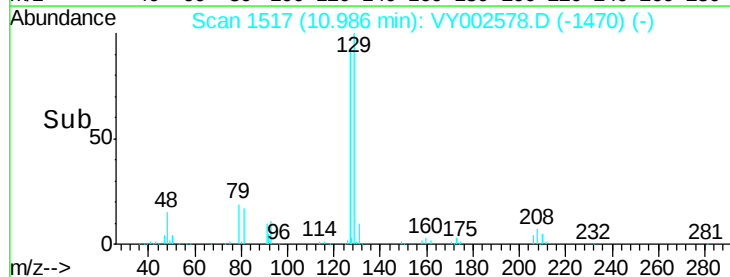
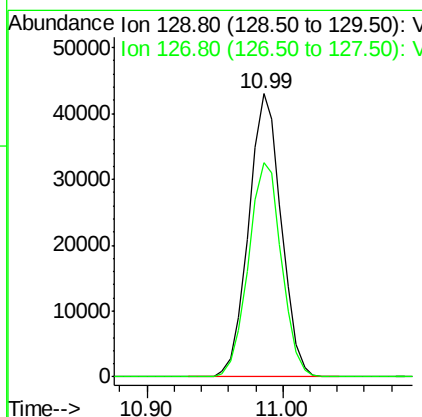
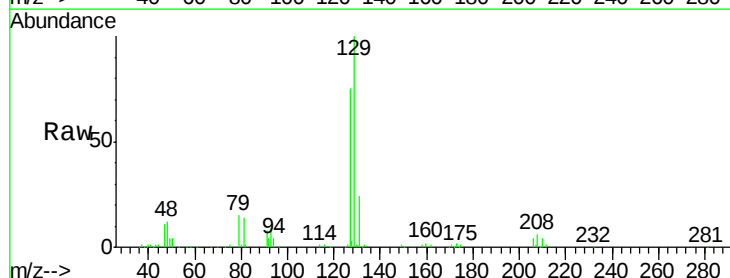
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#60
Dibromochloromethane
Concen: 20.315 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.0	117.0





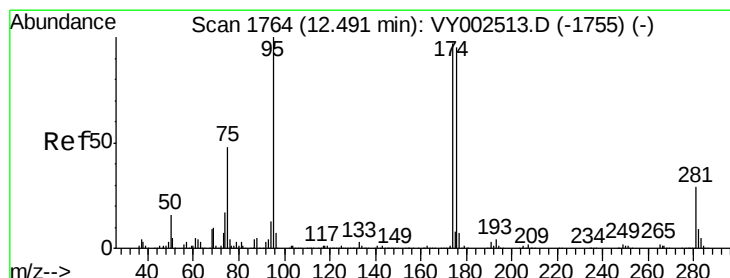
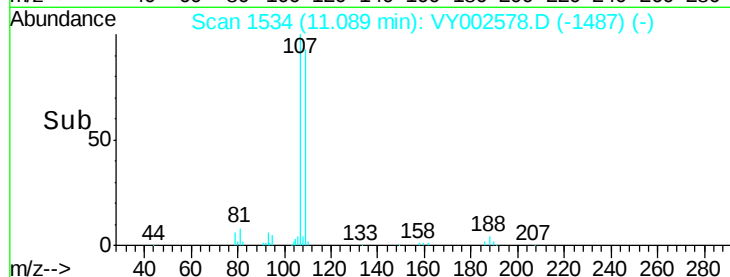
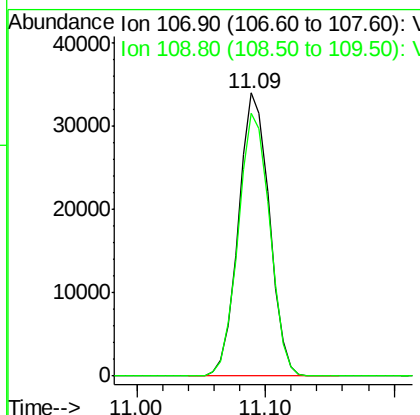
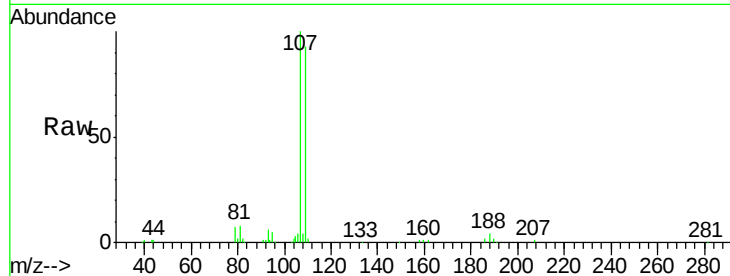
#61
 1,2-Dibromoethane
 Concen: 20.338 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.8	113.8

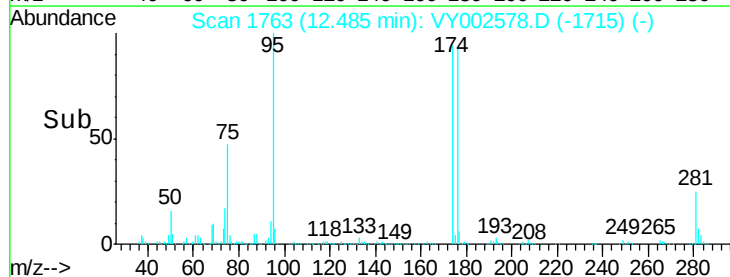
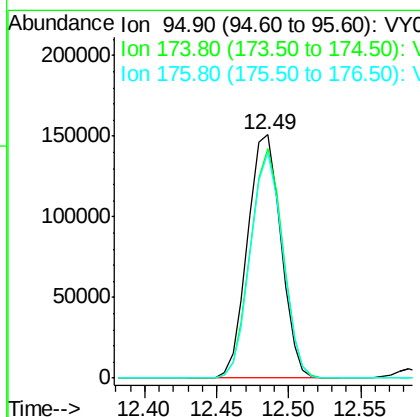
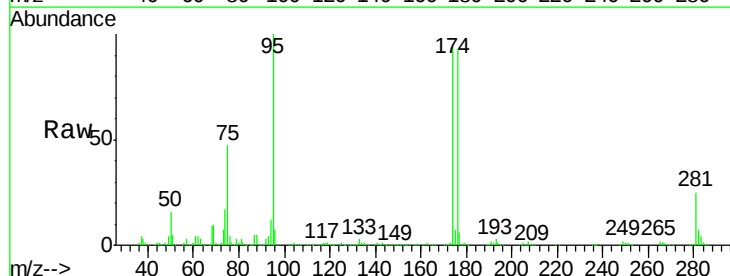
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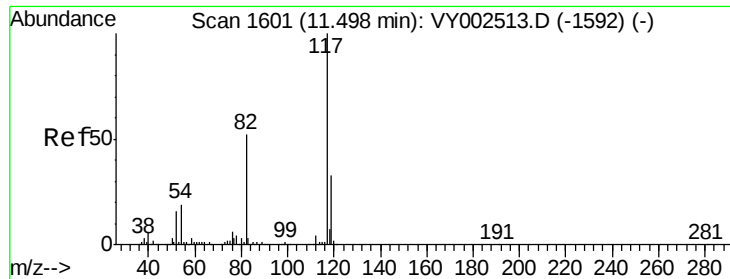
MMDadoda
 5/6/2020 10:26:49 AM



#62
 4-Bromofluorobenzene
 Concen: 55.990 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	188.8
176	89.6	0.0	183.2





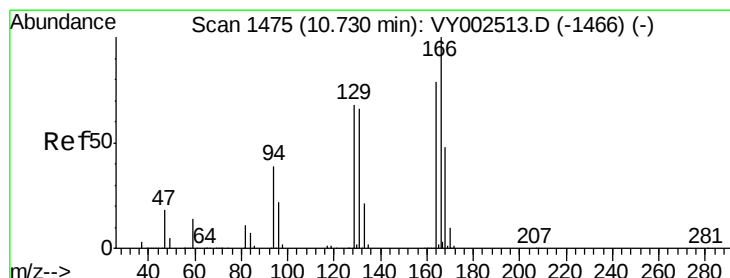
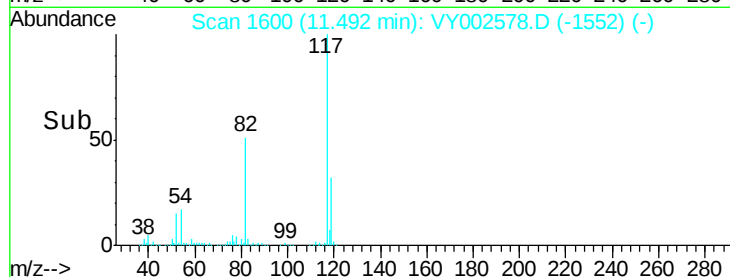
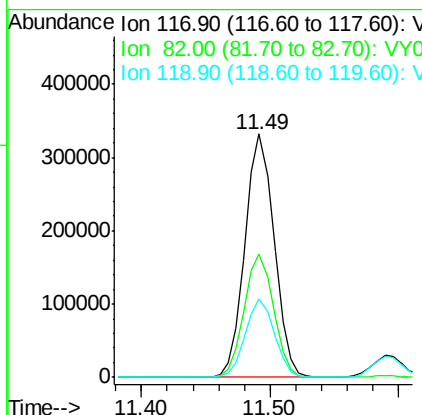
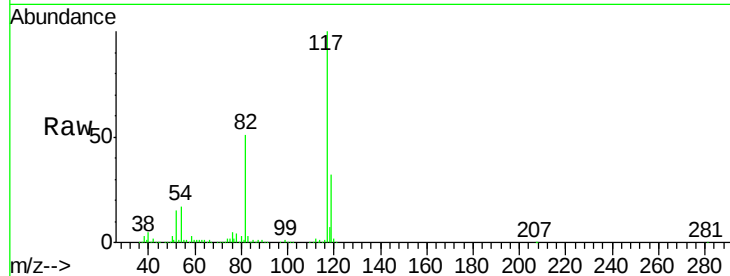
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	519656		
82	50.7		41.3	61.9
119	32.0		26.0	39.0

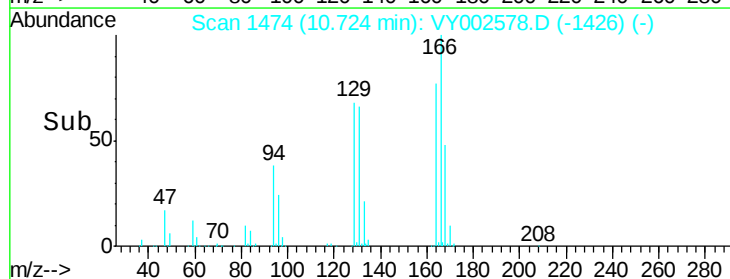
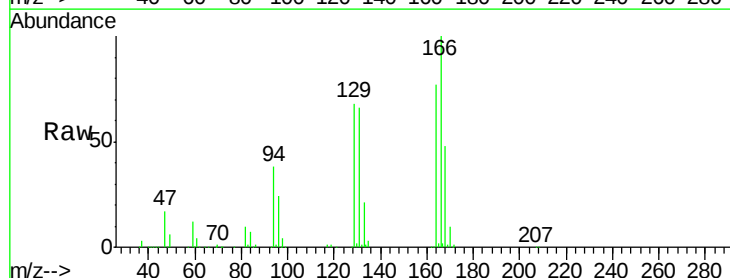
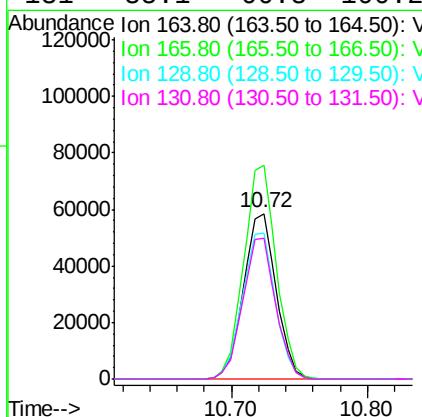
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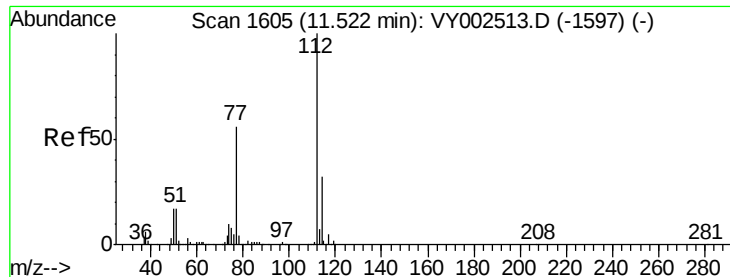
MMDadoda
5/6/2020 10:26:49 AM



#64
Tetrachloroethene
Concen: 21.277 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98240		
166	129.1		100.7	151.1
129	88.0		68.3	102.5
131	85.1		66.8	100.2





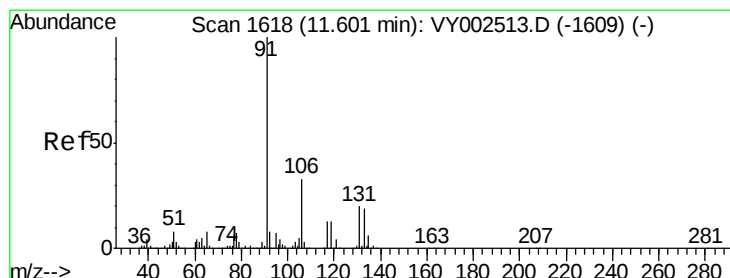
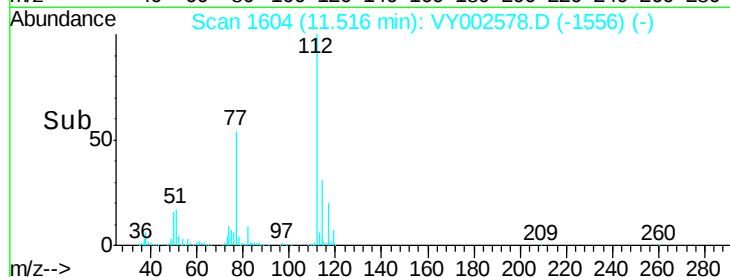
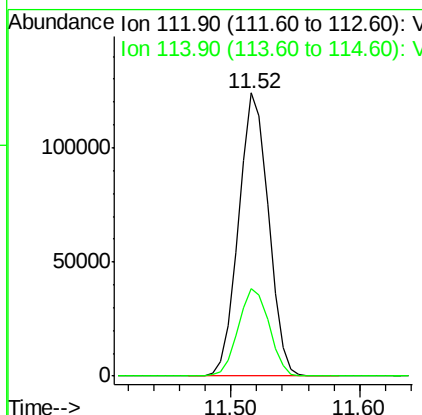
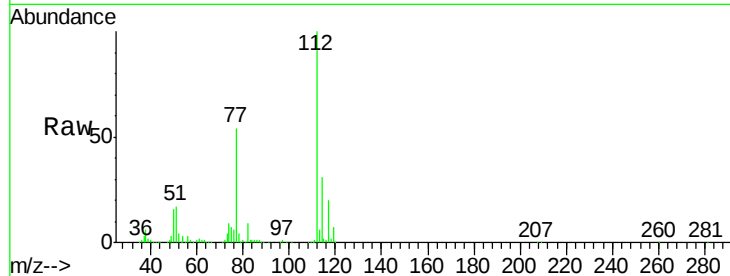
#65
Chlorobenzene
Concen: 20.147 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	199027		
114	30.9	25.8	38.6	

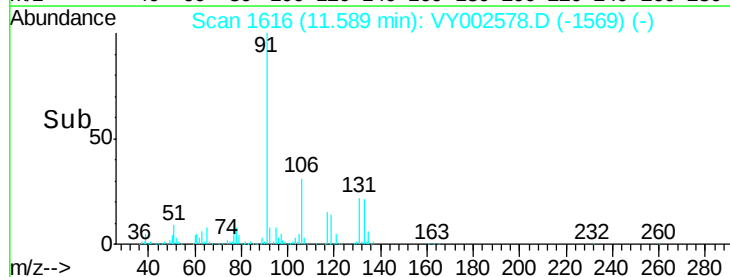
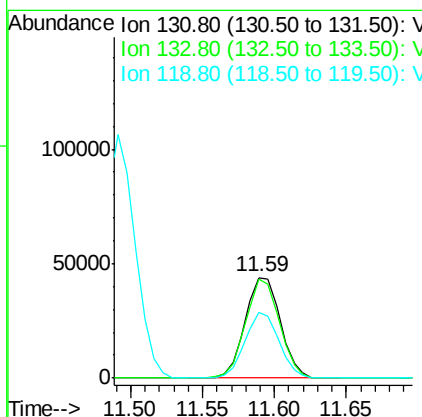
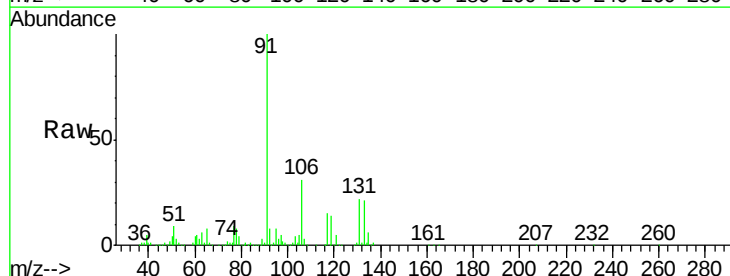
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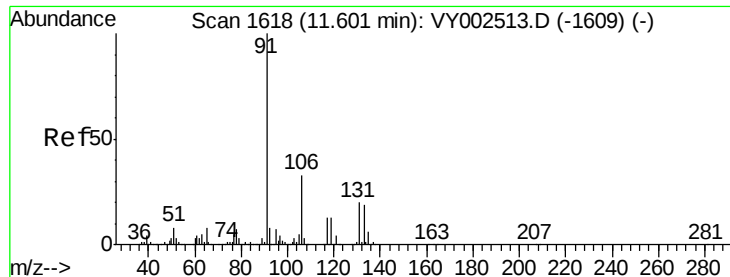
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.245 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	74240		
133	95.1	48.1	144.4	
119	63.3	31.6	95.0	





#67

Ethyl Benzene

Concen: 20.093 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 91 Resp: 348659

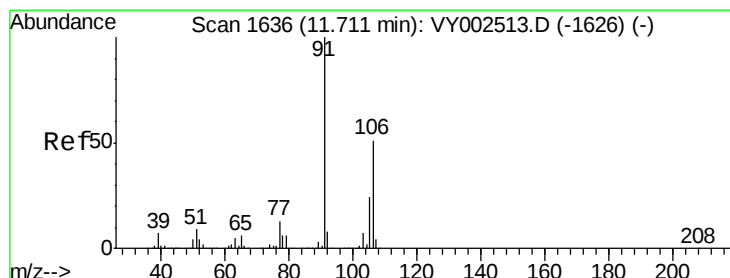
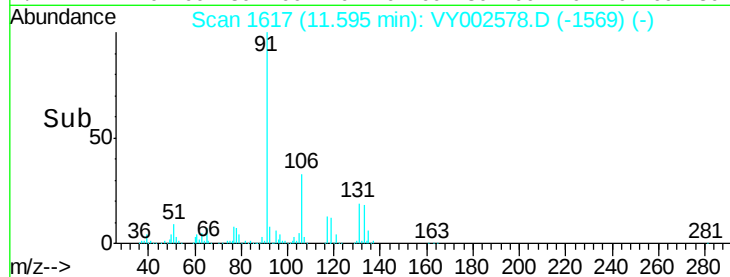
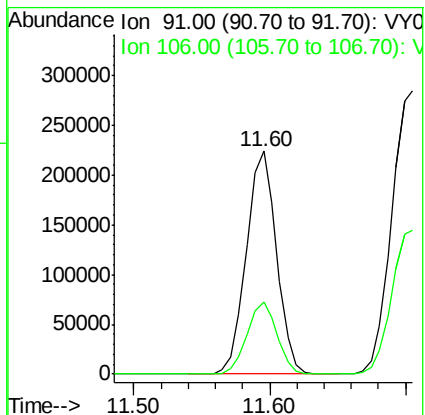
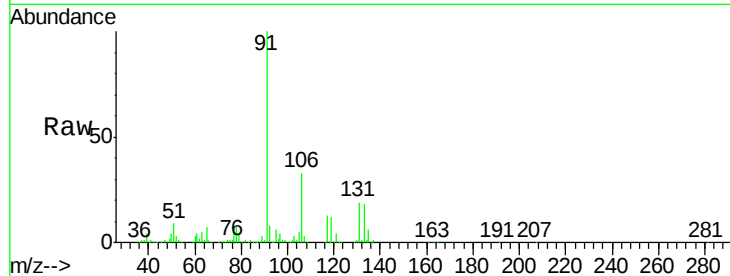
Ion Ratio Lower Upper

91 100

106 32.6 26.1 39.1

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#68

m/p-Xylenes

Concen: 40.099 ug/l

RT: 11.71 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002578.D

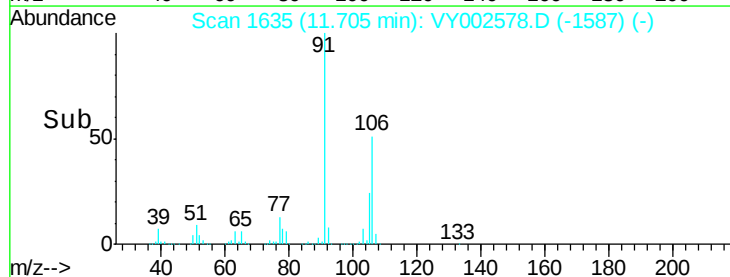
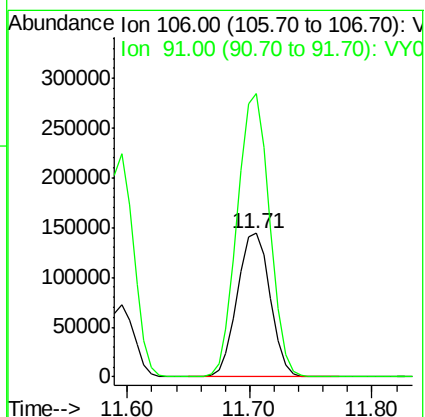
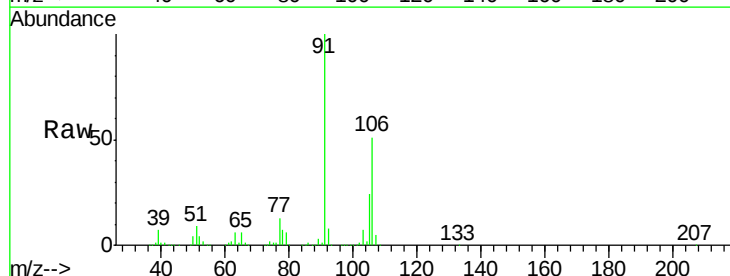
Acq: 05 May 2020 11:44

Tgt Ion: 106 Resp: 269228

Ion Ratio Lower Upper

106 100

91 193.9 155.2 232.8





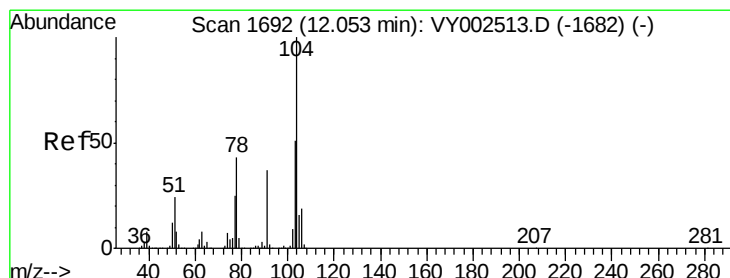
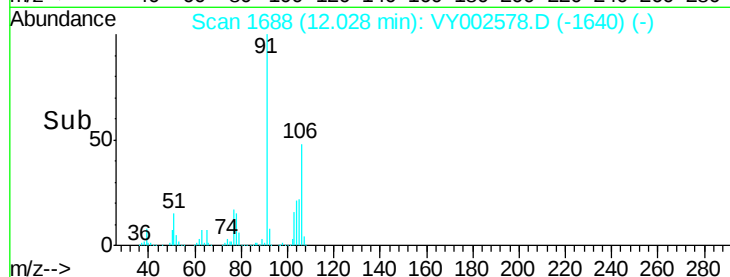
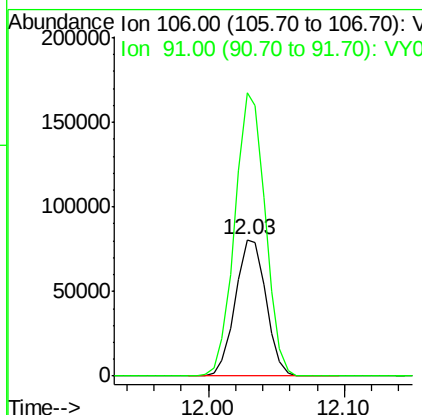
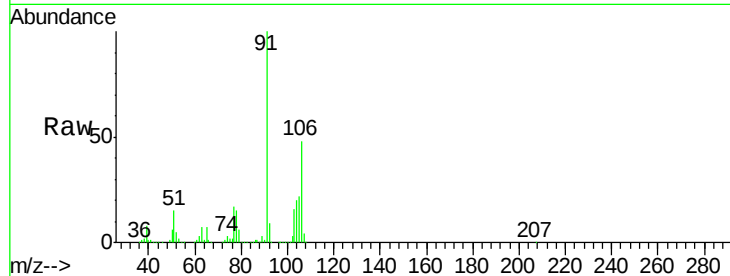
#69
o-Xylene
Concen: 20.214 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	127078		
91	91	205.3	103.8	311.3	

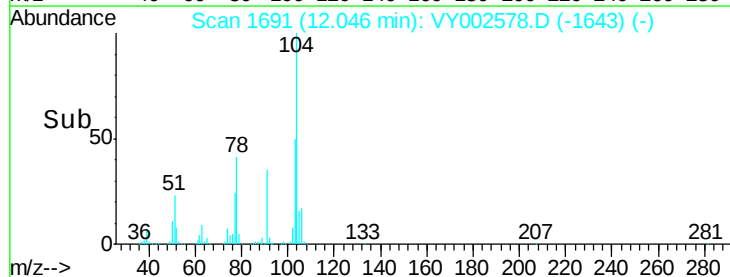
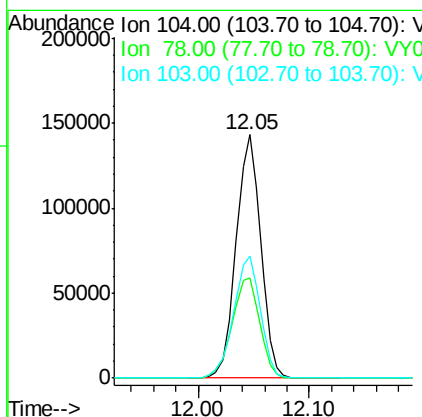
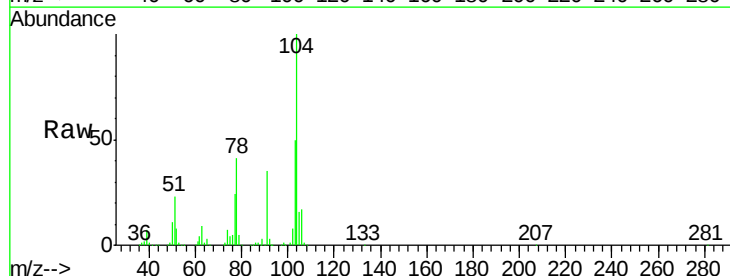
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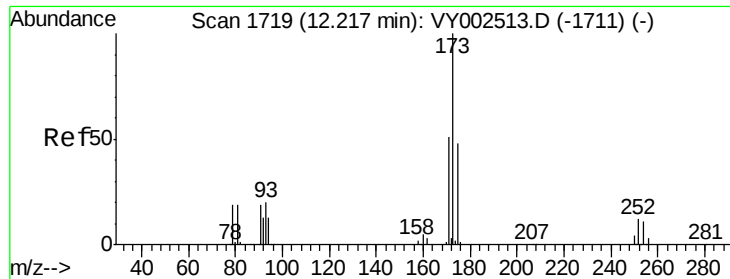
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#70
Styrene
Concen: 20.386 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	219086		
78	78	46.1	37.4	56.0	
103	103	54.3	43.9	65.9	





#71

Bromoform

Concen: 20.424 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

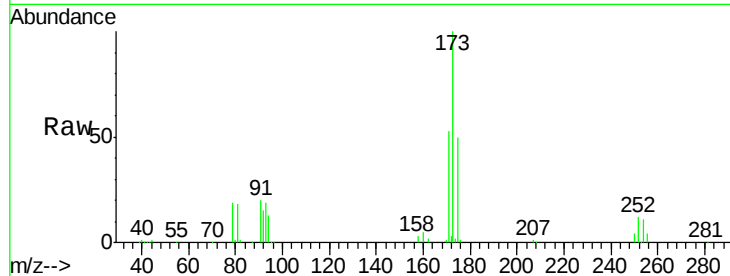
ClientSampleId :

VY0505SBS01

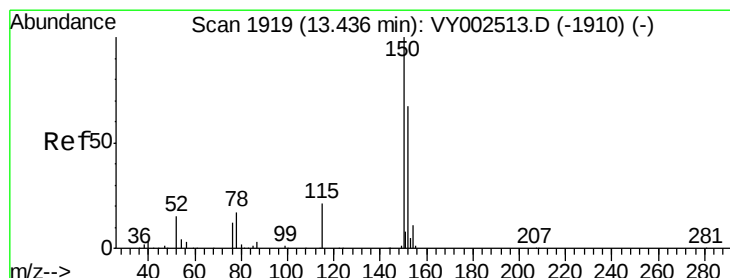
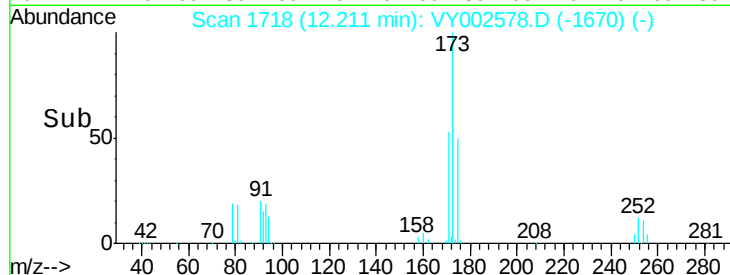
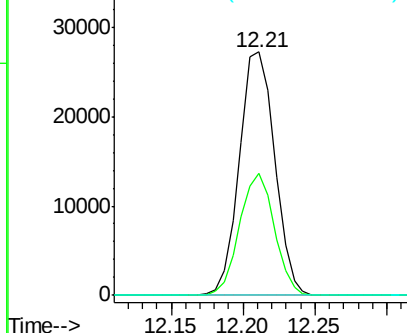
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.8
254	0.0	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

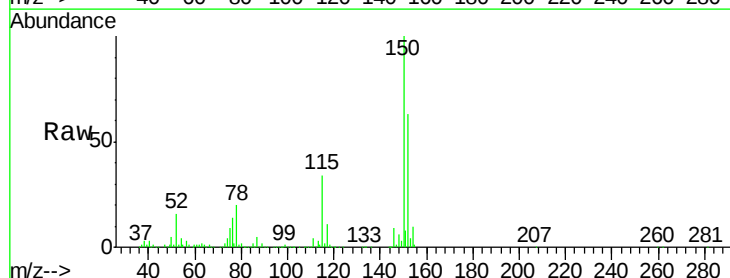
RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

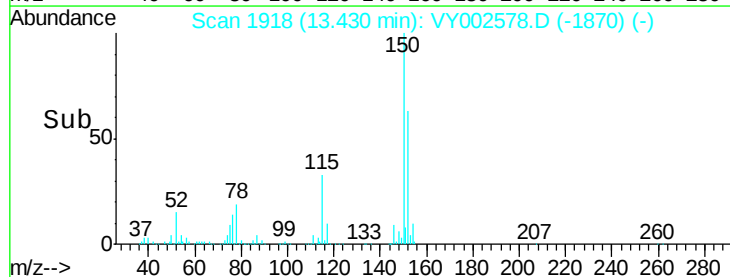
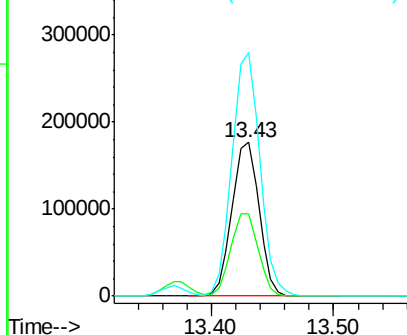
Lab File: VY002578.D

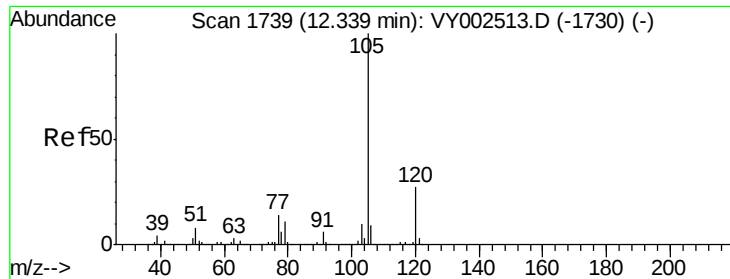
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.5	82.4
150	163.1	0.0	346.4



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





#73

Isopropylbenzene

Concen: 20.050 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 105 Resp: 350886

Ion Ratio Lower Upper

105 100

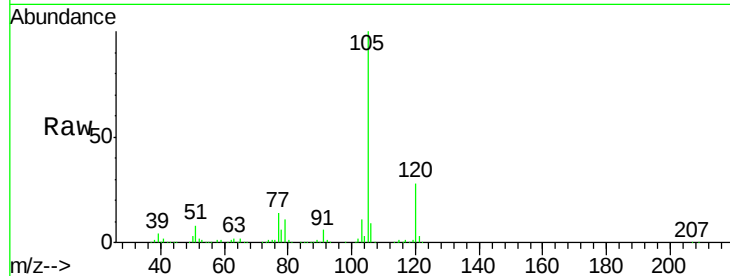
120 27.1 13.8 41.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

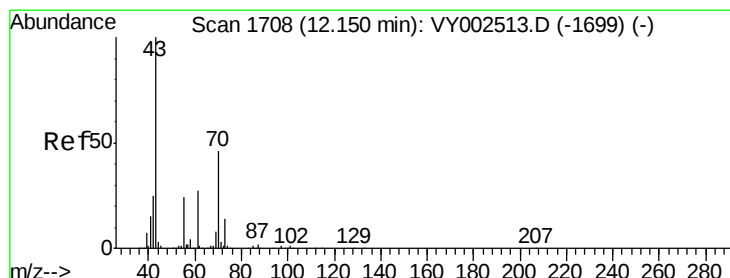
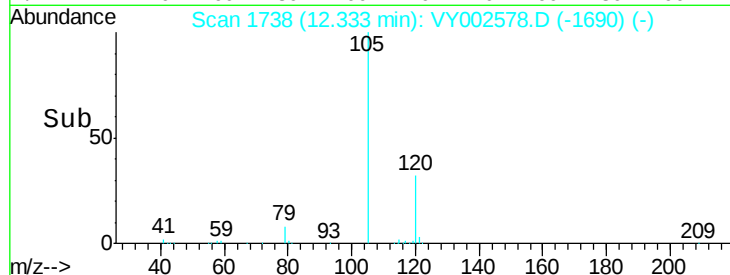
50000

0

12.33

12.40

Time-->



#74

N-ethyl acetate

Concen: 21.027 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Tgt Ion: 43 Resp: 88521

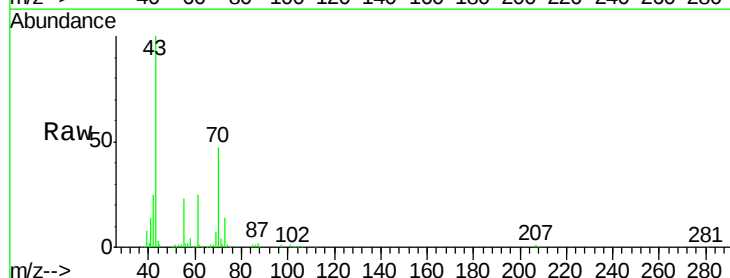
Ion Ratio Lower Upper

43 100

70 47.0 36.7 55.1

55 24.7 19.2 28.8

61 26.4 21.1 31.7



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

80000

60000

40000

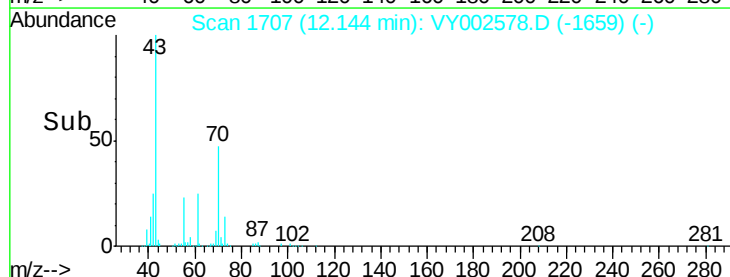
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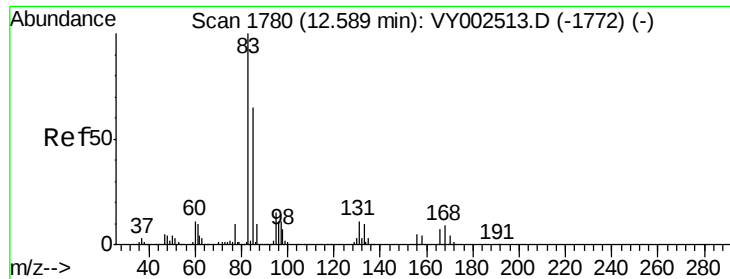
0

12.14

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.111 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

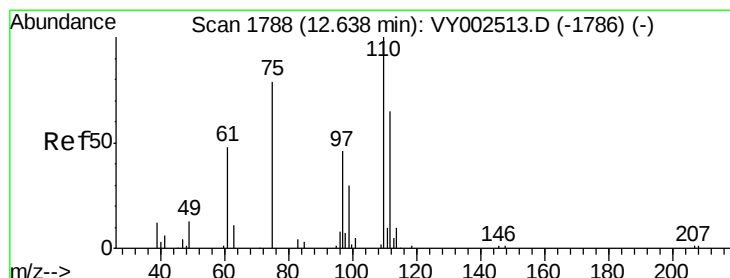
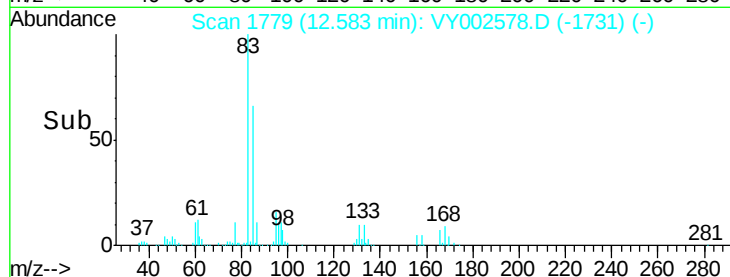
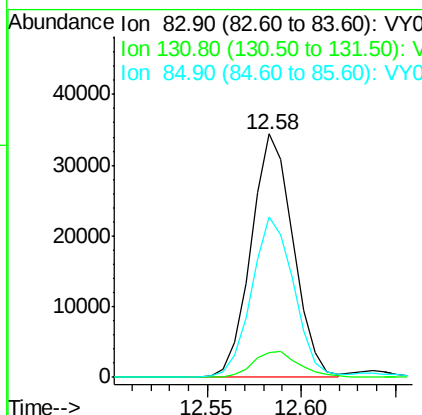
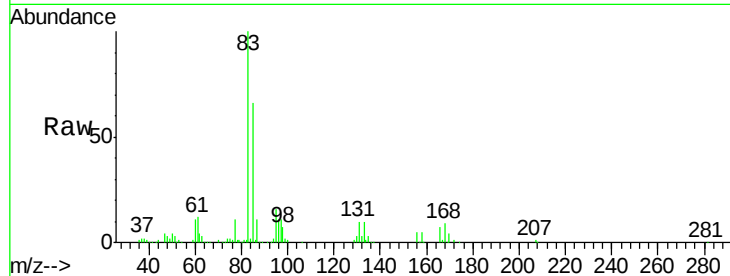
ClientSampleId :

VY0505SBS01

Tot Ion:	83	Resp:	53190
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.9	17.8
85	66.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 17.105 ug/l m

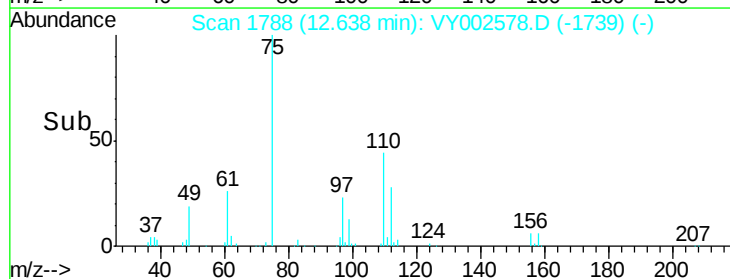
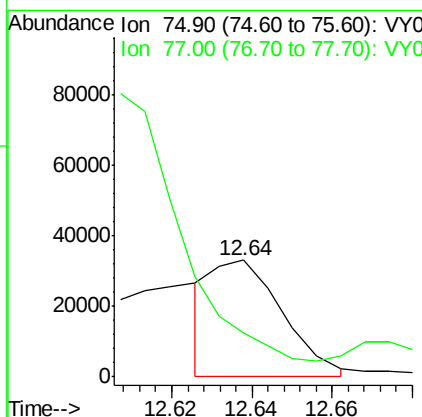
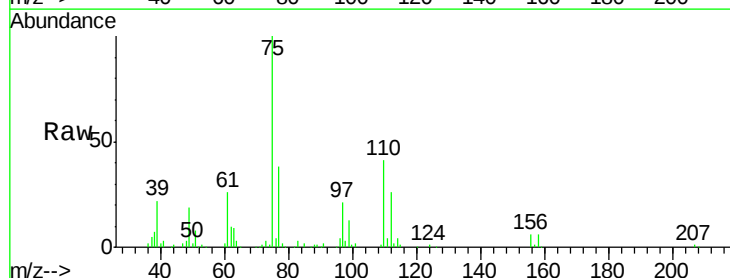
RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Tgt Ion:	75	Resp:	41046
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.899 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion:156 Resp: 87005

Ion Ratio Lower Upper

156 100

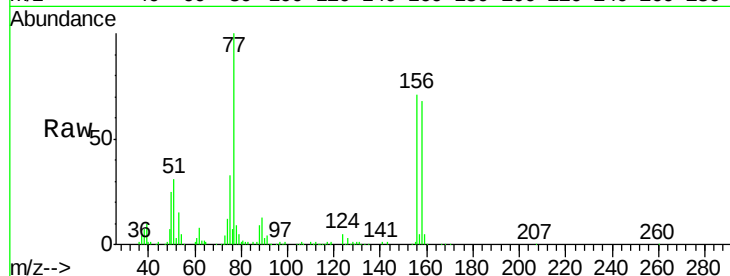
77 166.9 82.0 245.8

158 96.7 48.5 145.6

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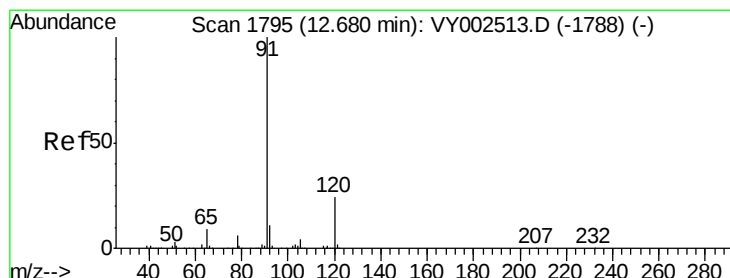
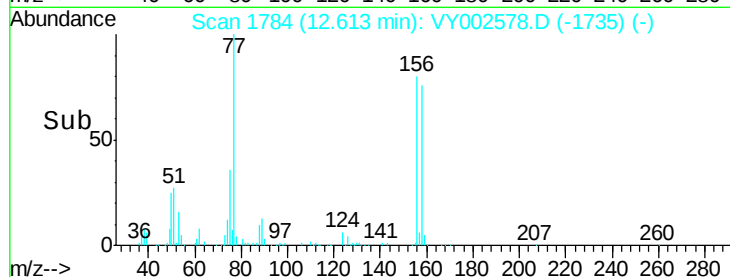
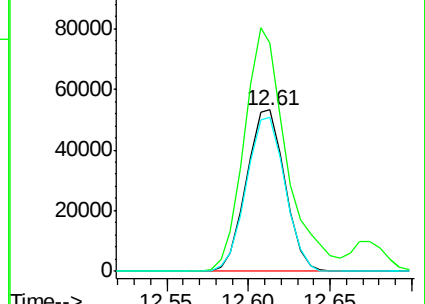
5/6/2020 10:26:49 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.038 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002578.D

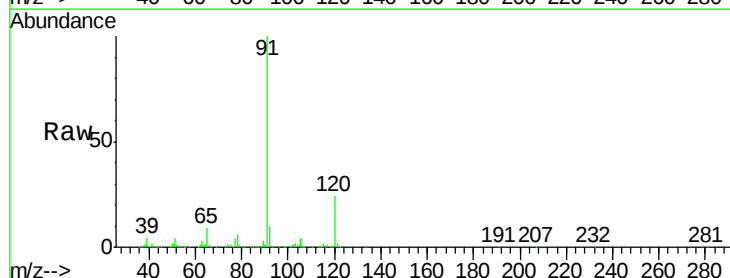
Acq: 05 May 2020 11:44

Tgt Ion: 91 Resp: 406949

Ion Ratio Lower Upper

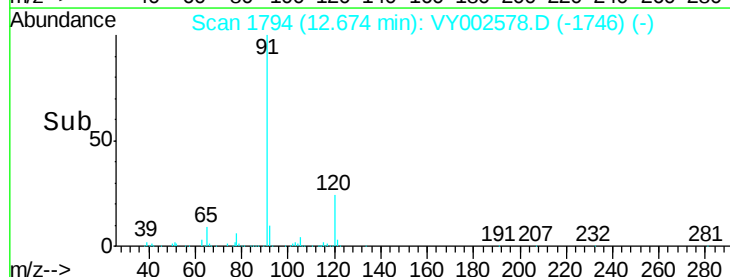
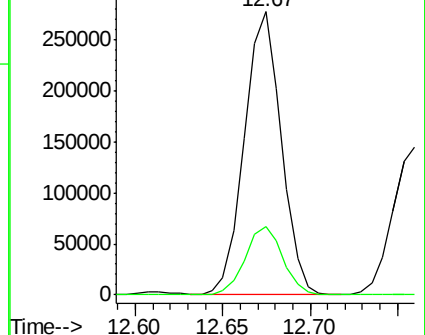
91 100

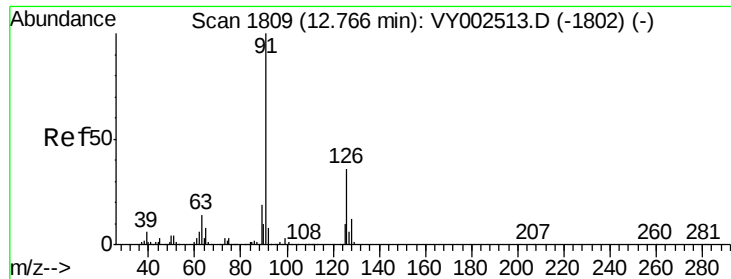
120 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.057 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 91 Resp: 225638

Ion Ratio Lower Upper

91 100

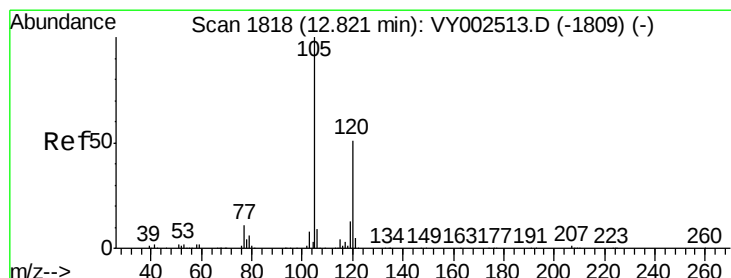
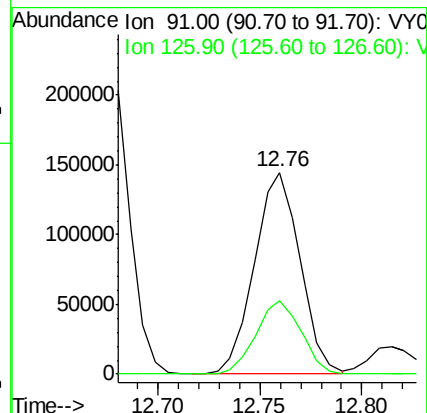
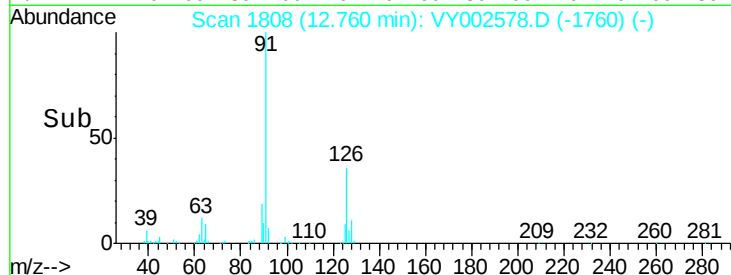
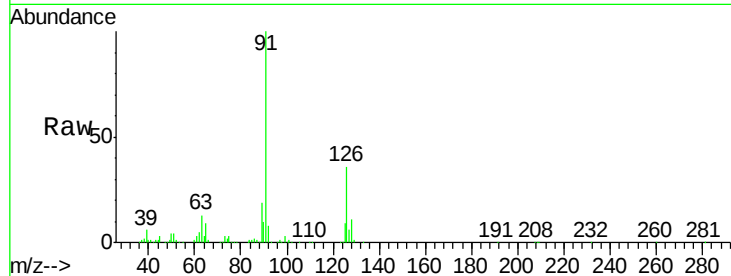
126 36.1 18.4 55.2

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#80

1,3,5-Trimethylbenzene

Concen: 20.115 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002578.D

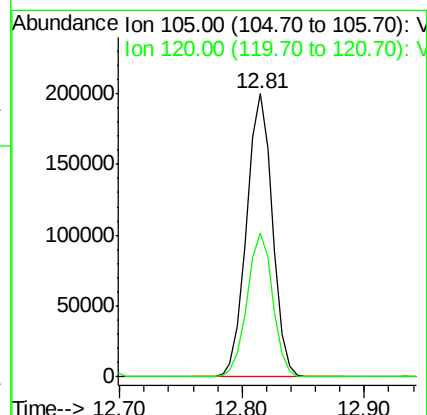
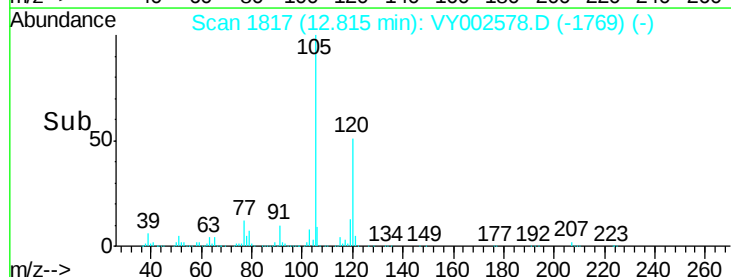
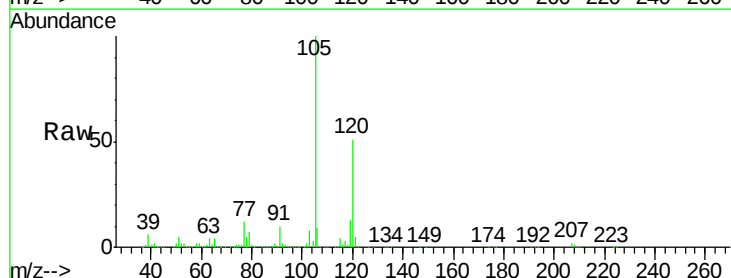
Acq: 05 May 2020 11:44

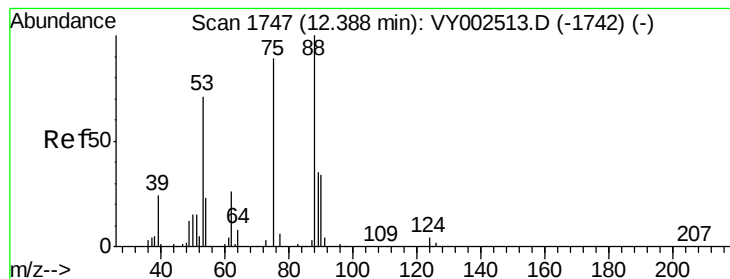
Tgt Ion: 105 Resp: 291807

Ion Ratio Lower Upper

105 100

120 50.6 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 20.050 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

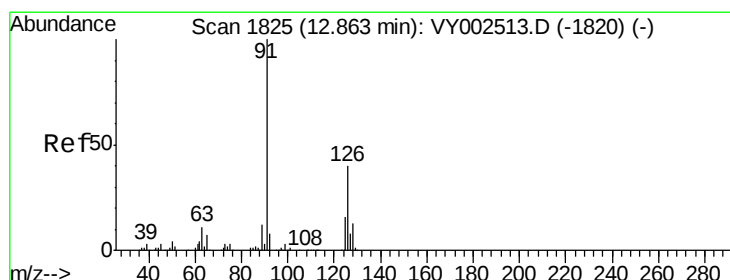
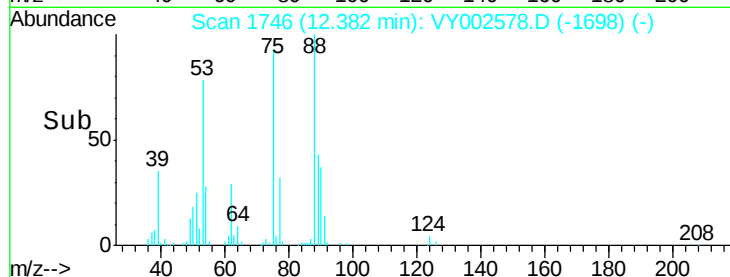
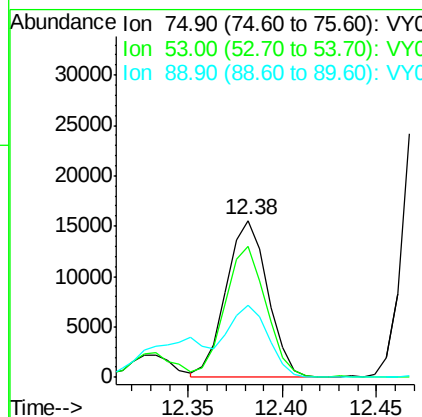
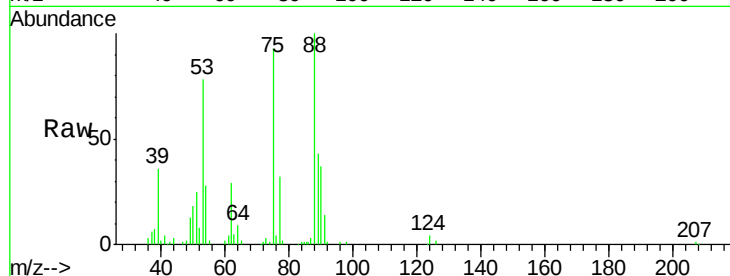
ClientSampleId :

VY0505SBS01

Tot Ion:	75	Resp:	23995
Ion	Ratio	Lower	Upper
75	100		
53	82.3	67.4	101.0
89	43.8	37.4	56.0

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#82

4-Chlorotoluene

Concen: 20.128 ug/l

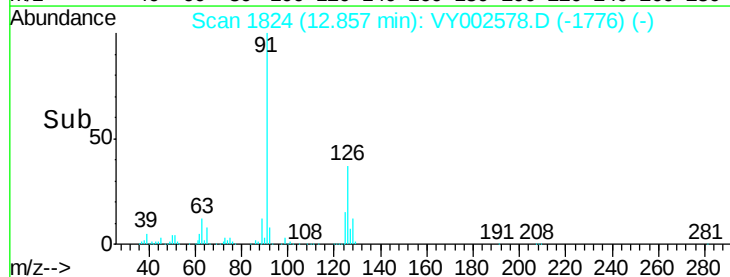
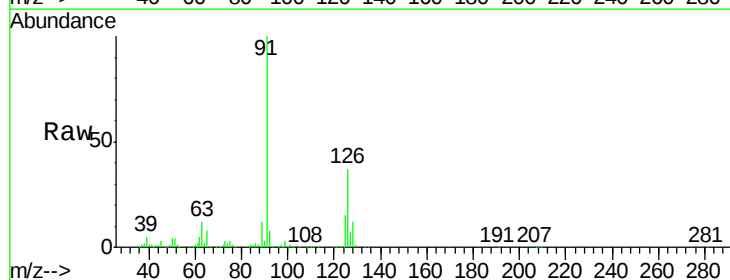
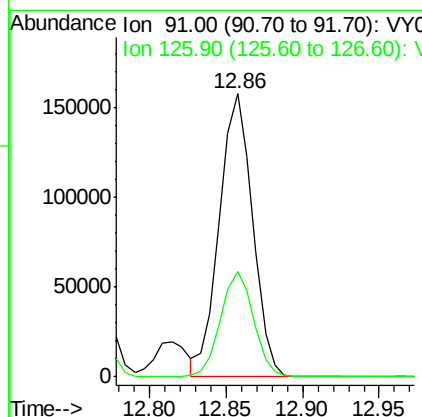
RT: 12.86 min Scan# 1824

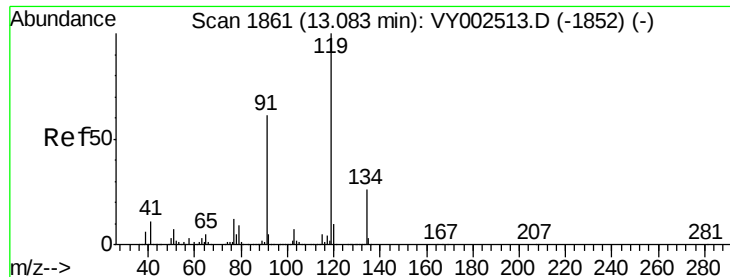
Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Tgt Ion:	91	Resp:	237857
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.5	55.5





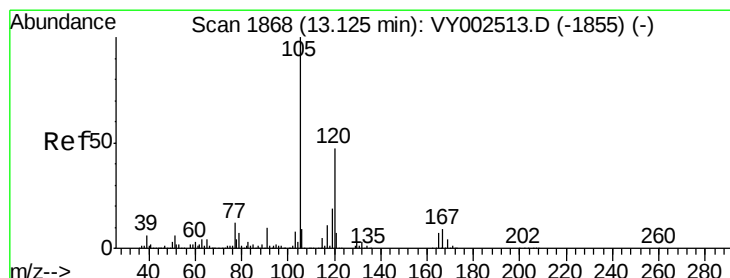
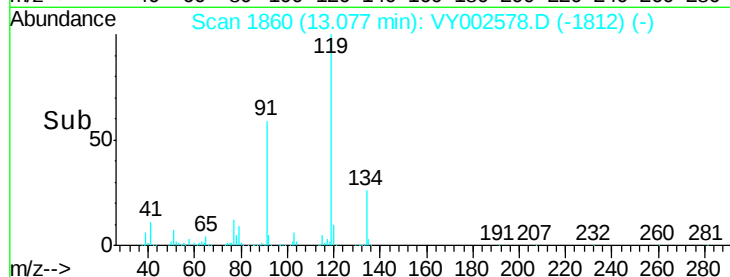
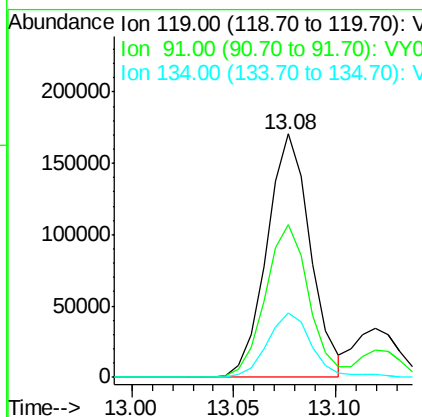
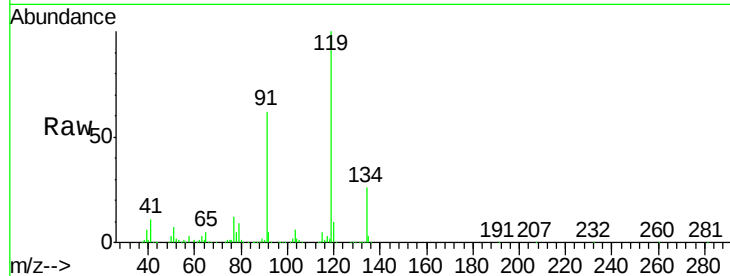
#83
tert-Butylbenzene
Concen: 19.983 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	254178		
91	62.1	30.6	91.6	
134	27.1	13.5	40.4	

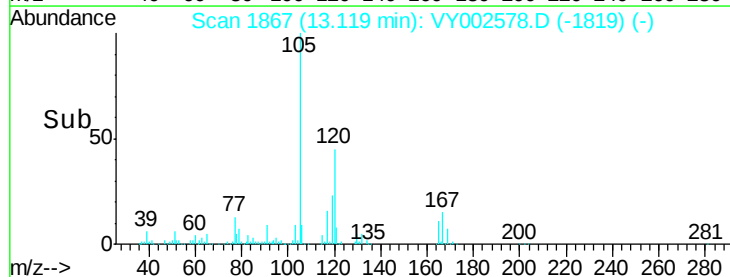
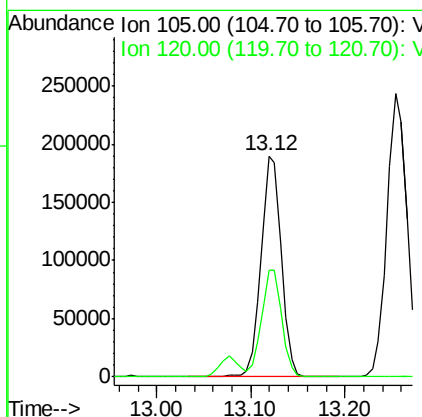
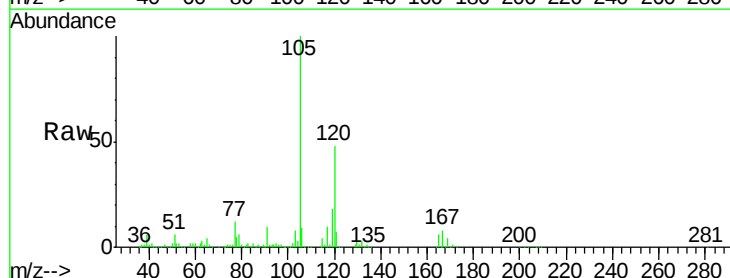
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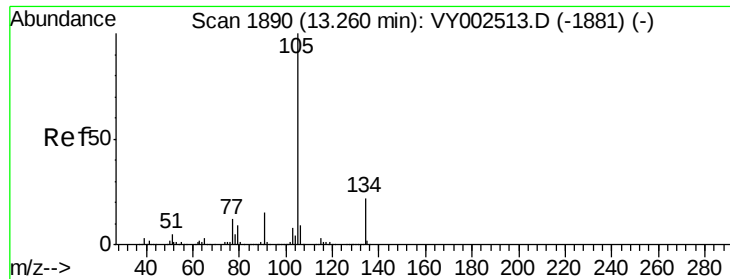
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#84
1,2,4-Trimethylbenzene
Concen: 20.002 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	289181		
120	48.0	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.391 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion:105 Resp: 359901

Ion Ratio Lower Upper

105 100

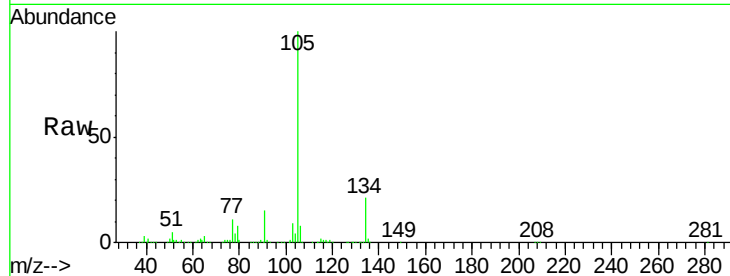
134 21.7 10.8 32.3

Manual Integrations

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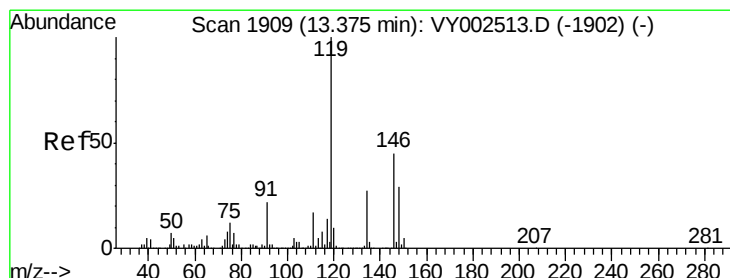
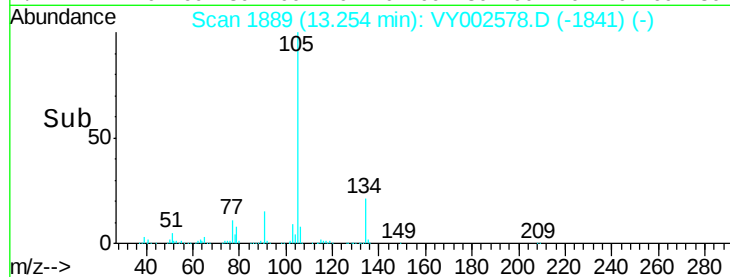
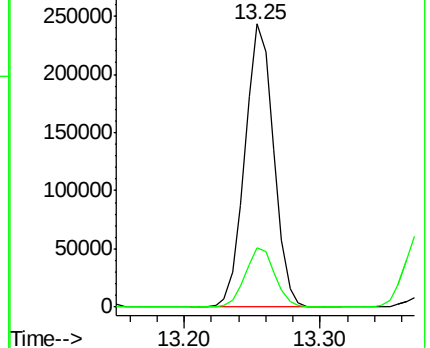
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.371 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

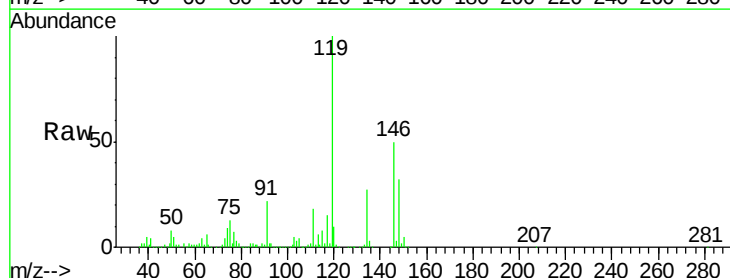
Tgt Ion:119 Resp: 336898

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

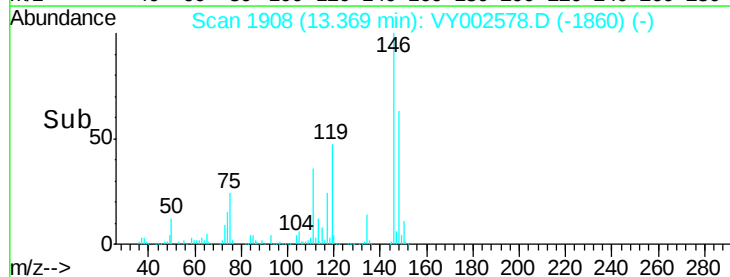
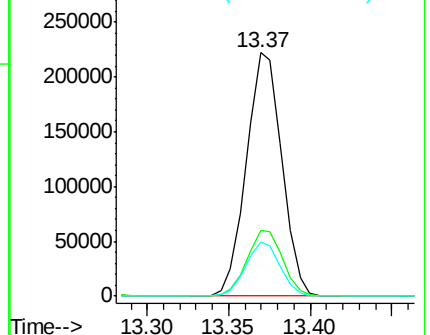
91 21.6 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





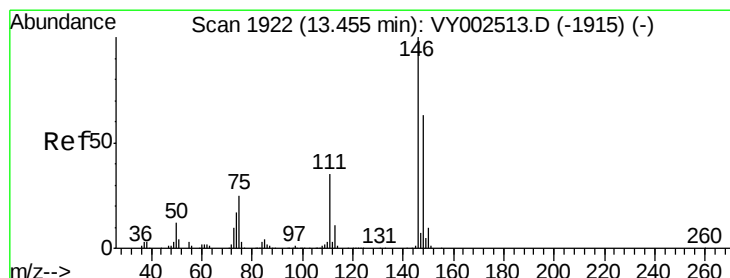
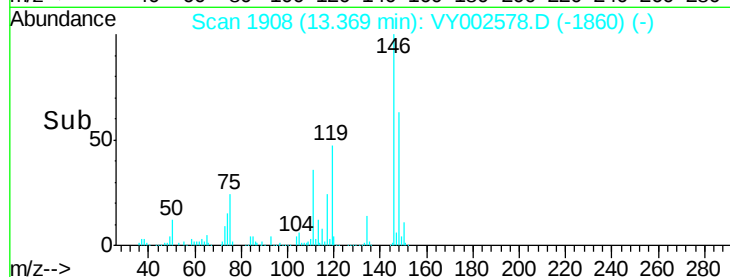
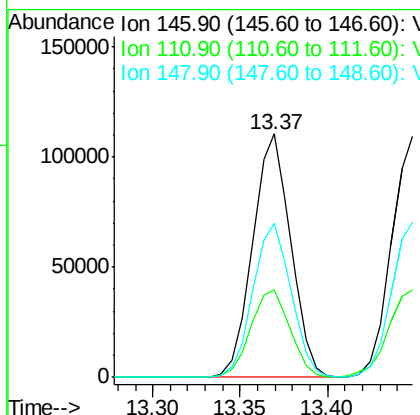
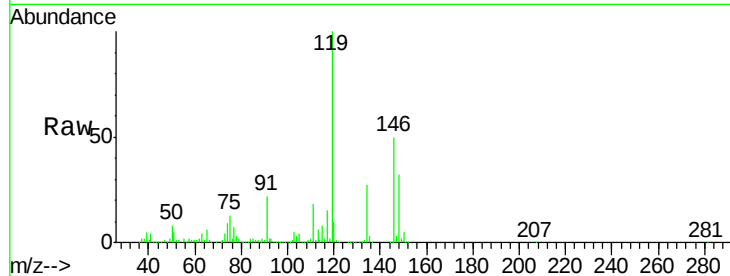
#87
 1,3-Dichlorobenzene
 Concen: 20.174 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.3
148	63.5	32.1	96.3

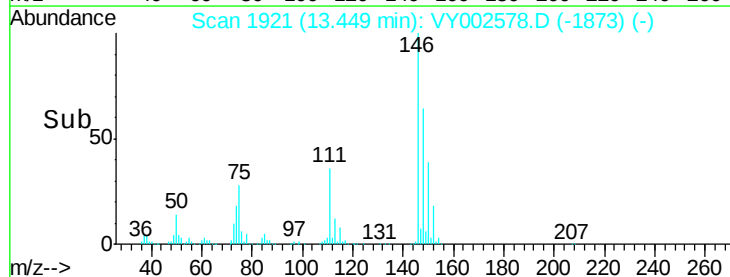
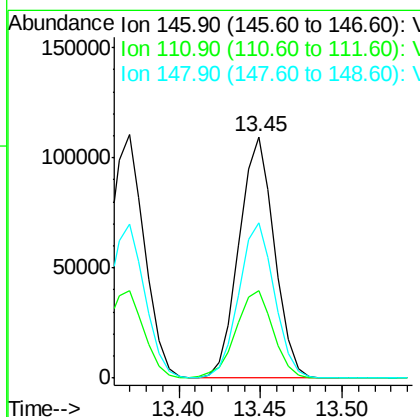
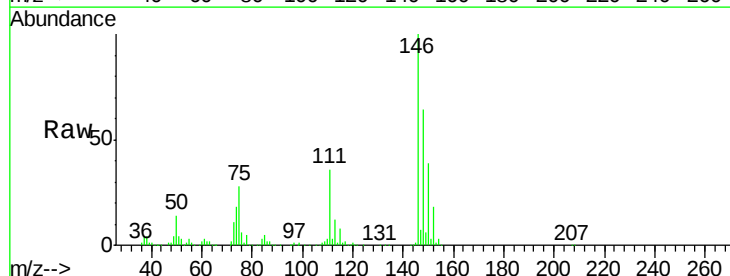
Manual Integrations
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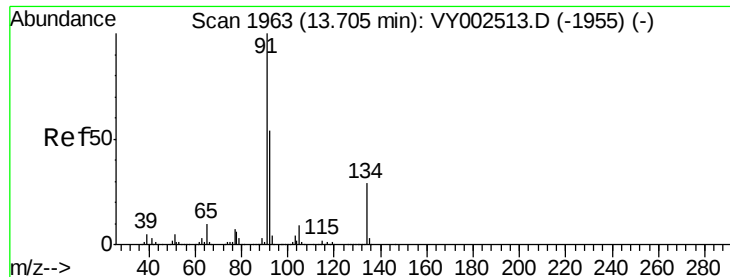
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 5/6/2020 10:26:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.194 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.1
148	64.7	31.9	95.5





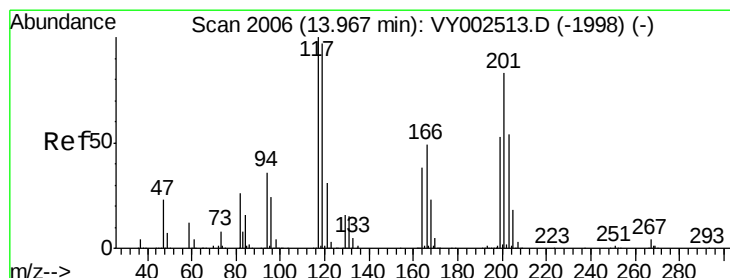
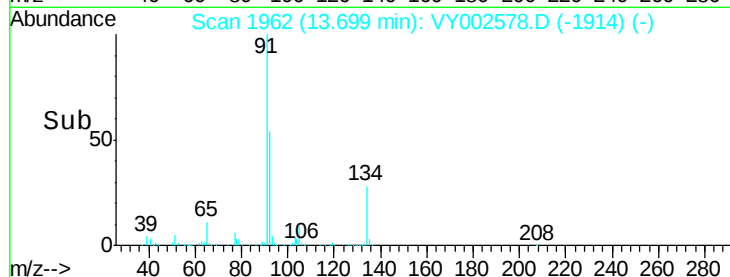
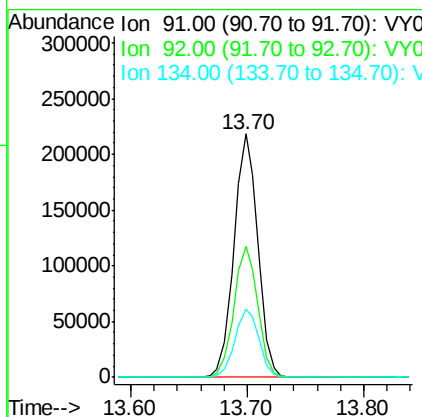
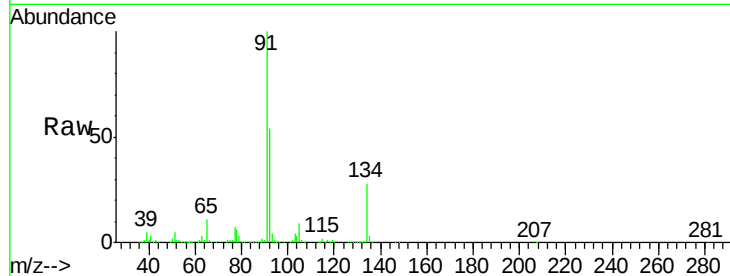
#89
n-Butylbenzene
Concen: 20.568 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.3
134	28.3	14.4	43.0

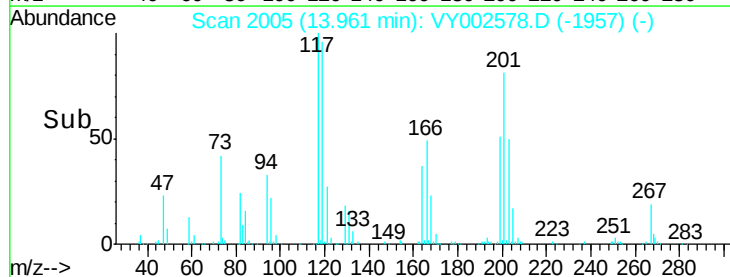
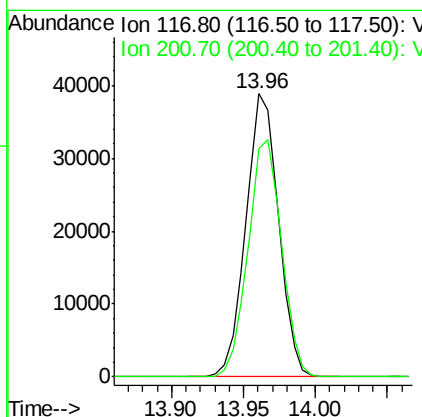
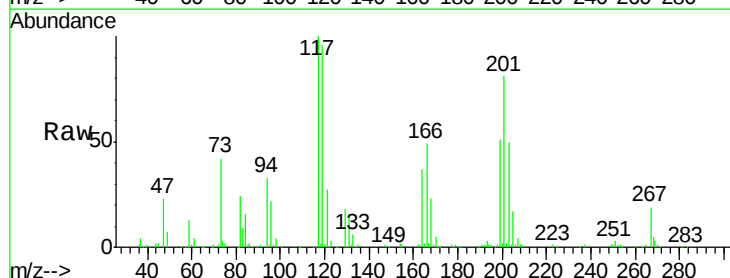
Manual Integrations
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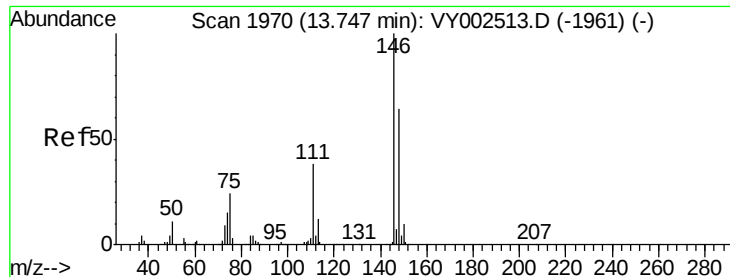
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#90
Hexachloroethane
Concen: 20.171 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	44.4	133.2





#91

1,2-Dichlorobenzene

Concen: 20.232 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VY002578.D

Acq: 05 May 2020 11:44

Instrument :

MSVOA_Y

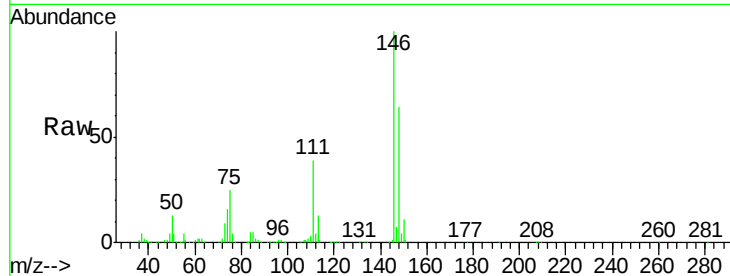
ClientSampleId :

VY0505SBS01

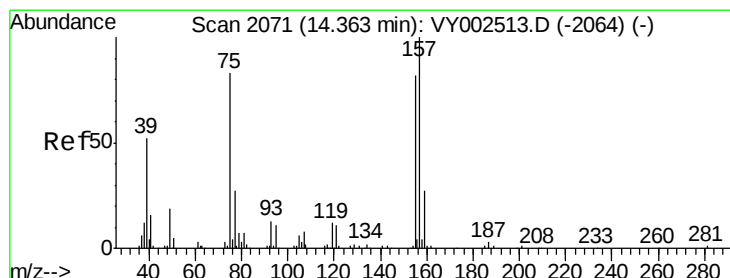
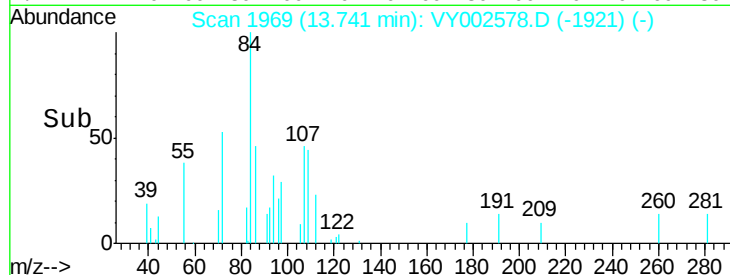
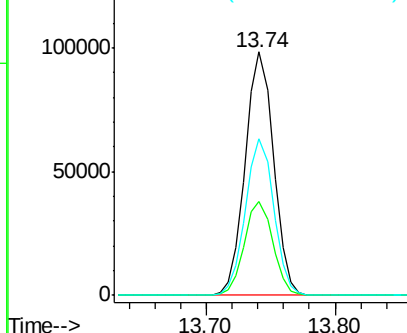
Tot Ion:	146	Resp:	149397
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.1	57.5
148	64.4	31.9	95.7

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.005 ug/l

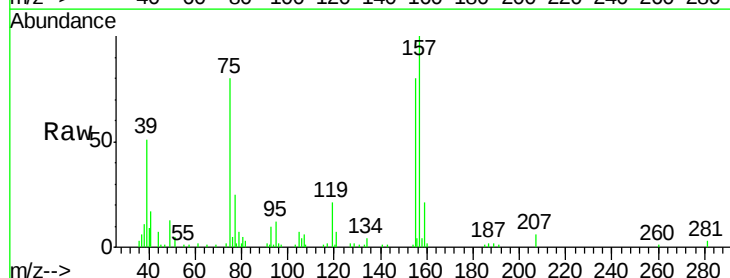
RT: 14.36 min Scan# 2070

Delta R.T. -0.01 min

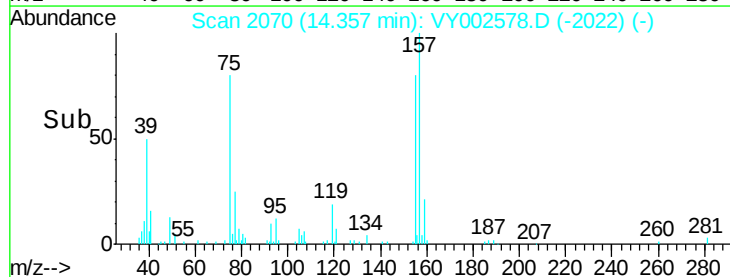
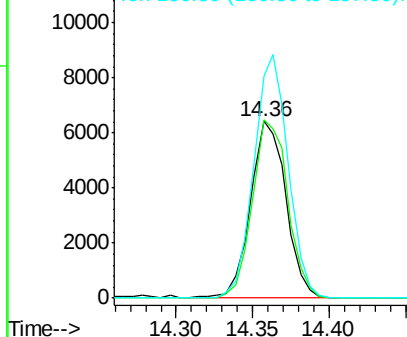
Lab File: VY002578.D

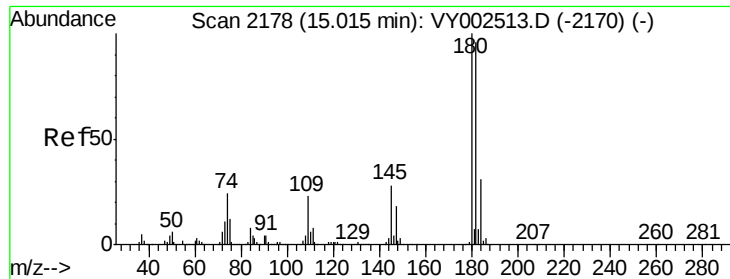
Acq: 05 May 2020 11:44

Tgt Ion:	75	Resp:	10379
Ion Ratio	Lower	Upper	
75	100		
155	100.4	51.3	153.9
157	132.6	65.0	195.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





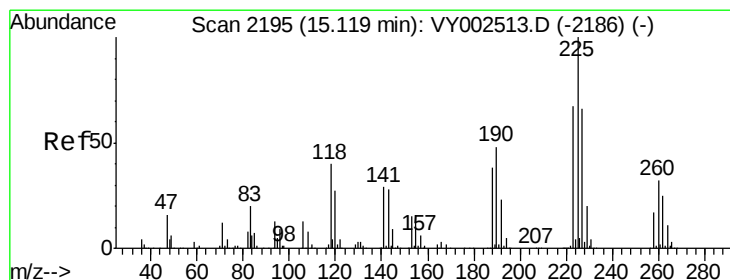
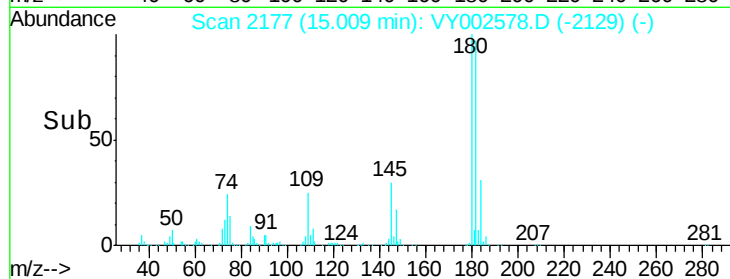
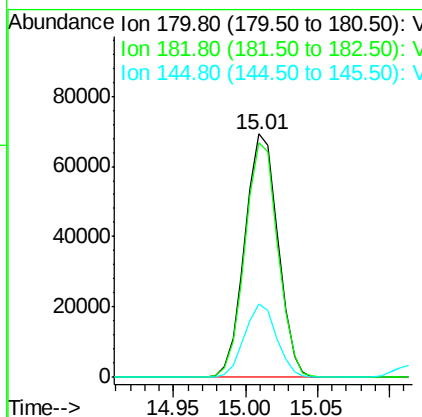
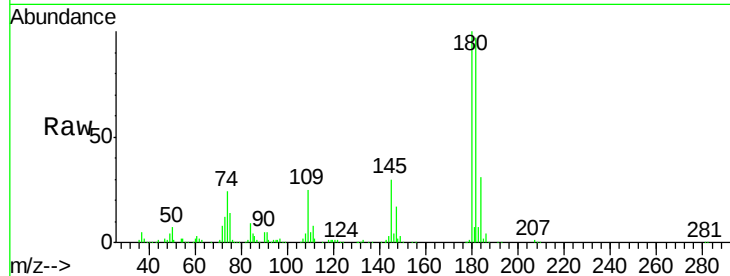
#93
 1,2,4-Trichlorobenzene
 Concen: 20.569 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.9	143.6	
145	29.4	14.4	43.0	

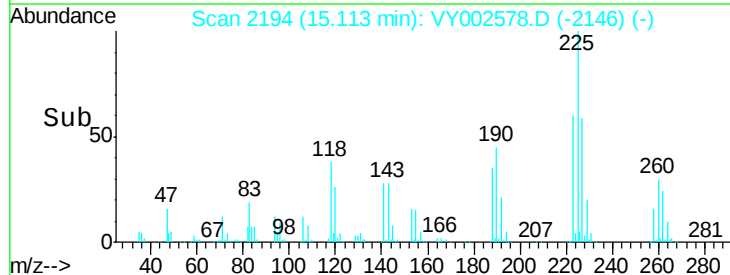
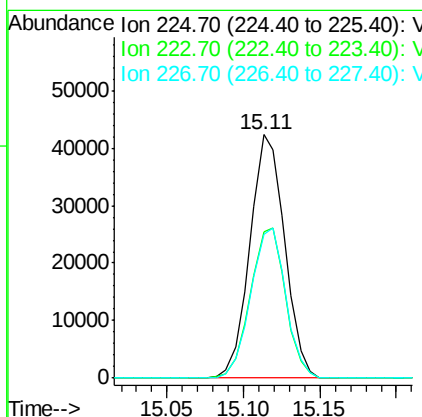
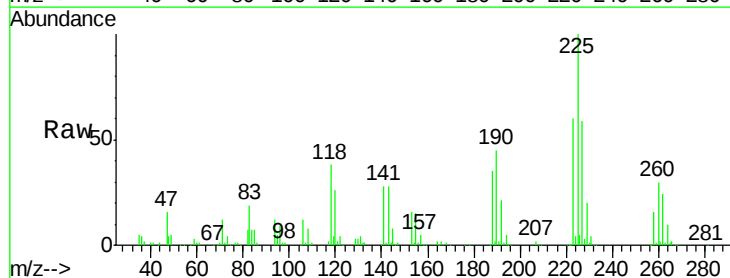
Manual Integrations
 APPROVED

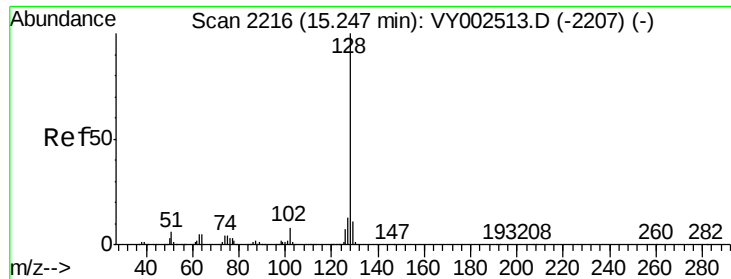
MMDadoda
 5/6/2020 10:26:49 AM



#94
 Hexachlorobutadiene
 Concen: 20.768 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY002578.D
 Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	32.1	96.5	
227	62.3	32.0	96.2	





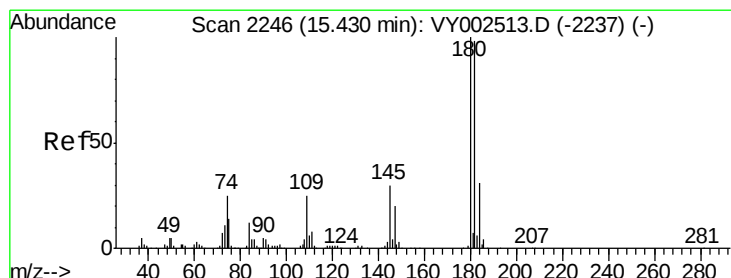
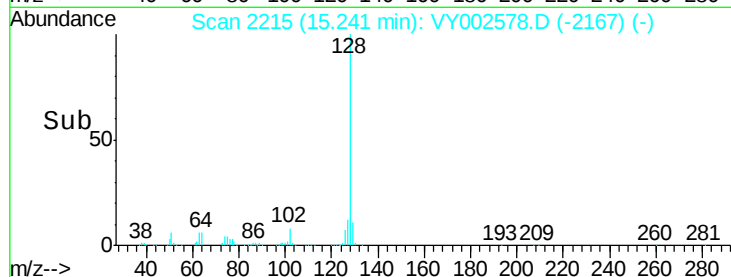
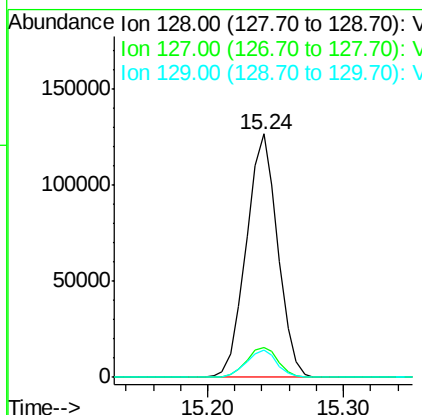
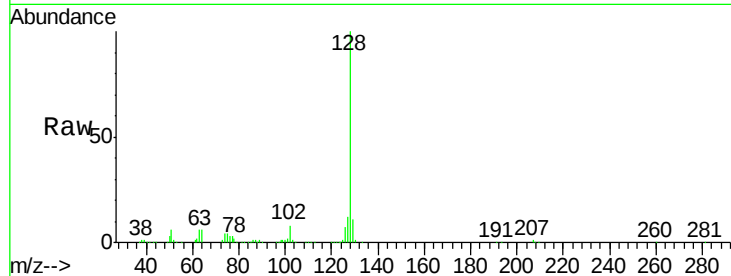
#95
Naphthalene
Concen: 20.923 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	204624		
127	12.6		10.5	15.7
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/6/2020 10:26:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.679 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY002578.D
Acq: 05 May 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94114		
182	94.1		47.9	143.8
145	30.8		15.0	45.1

