

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002636.D
 Acq On : 08 May 2020 12:46
 Operator : SY/MD
 Sample : VY0508SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 1:00:51 PM

Quant Time: May 11 01:39:57 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	7.82	168	357031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	529772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	478197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	250870	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	144903	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.74	113	154094	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.19	98	601927	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.49	95	206280	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	39736	14.773	ug/l	99
3) Chloromethane	2.13	50	49996	17.284	ug/l	97
4) Vinyl Chloride	2.26	62	57897	17.334	ug/l	99
5) Bromomethane	2.65	94	42360	18.390	ug/l	98
6) Chloroethane	2.80	64	37205	18.655	ug/l	98
7) Trichlorofluoromethane	3.15	101	94595	18.273	ug/l	98
8) Diethyl Ether	3.55	74	34473	19.817	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	60115	19.001	ug/l	98
10) Methyl Iodide	4.11	142	77365	17.949	ug/l	98
11) Tert butyl alcohol	4.99	59	28527	92.365	ug/l	99
12) 1,1-Dichloroethene	3.90	96	57448	18.691	ug/l	98
13) Acrolein	3.76	56	16159	75.661	ug/l	99
14) Allyl chloride	4.51	41	87776	19.601	ug/l	98
15) Acrylonitrile	5.19	53	81385	99.206	ug/l	100
16) Acetone	3.97	43	59815	96.547	ug/l	95
17) Carbon Disulfide	4.22	76	158516	17.144	ug/l	97
18) Methyl Acetate	4.50	43	40686	19.655	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	158611	19.780	ug/l	98
20) Methylene Chloride	4.75	84	69316	20.007	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	64557	19.218	ug/l	97
22) Diisopropyl ether	6.15	45	188639	20.819	ug/l	97
23) Vinyl Acetate	6.10	43	565438	99.227	ug/l	99
24) 1,1-Dichloroethane	6.05	63	107032	19.967	ug/l	99
25) 2-Butanone	7.02	43	98212	96.841	ug/l	97
26) 2,2-Dichloropropane	7.01	77	97467	19.129	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	74213	19.966	ug/l	98
28) Bromochloromethane	7.36	49	43206	19.672	ug/l	98
29) Tetrahydrofuran	7.37	42	67122	100.036	ug/l	100
30) Chloroform	7.53	83	111166	19.945	ug/l	100
31) Cyclohexane	7.80	56	99155	18.377	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	101338	19.561	ug/l	99
36) 1,1-Dichloropropene	7.94	75	86629	19.506	ug/l	99
37) Ethyl Acetate	7.10	43	44840	19.648	ug/l	99
38) Carbon Tetrachloride	7.93	117	92288	19.034	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	9.20	83	108829	18.553	ug/l	100
40) Benzene	8.18	78	253612	19.772	ug/l	99
41) Methacrylonitrile	7.34	41	26970m	21.979	ug/l	
42) 1,2-Dichloroethane	8.25	62	69127	19.213	ug/l	97
43) Isopropyl Acetate	8.29	43	85258	19.927	ug/l	99
44) Trichloroethene	8.96	130	82309	20.533	ug/l	97
45) 1,2-Dichloropropane	9.24	63	62546	20.204	ug/l	99
46) Dibromomethane	9.32	93	35001	19.651	ug/l	99
47) Bromodichloromethane	9.51	83	85690	19.786	ug/l	98
48) Methyl methacrylate	9.31	41	37191	19.207	ug/l	97
49) 1,4-Dioxane	9.32	88	9944	421.659	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	224129	101.633	ug/l	100
52) Toluene	10.25	92	164949	20.009	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	89454	19.713	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	104189	19.861	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	52626	20.261	ug/l	97
56) Ethyl methacrylate	10.52	69	69341	20.068	ug/l	97
57) 1,3-Dichloropropane	10.80	76	87312	19.822	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	184598	101.305	ug/l	99
59) 2-Hexanone	10.85	43	154488	101.782	ug/l	100
60) Dibromochloromethane	10.99	129	66416	20.104	ug/l	98
61) 1,2-Dibromoethane	11.10	107	50175	19.509	ug/l	100
64) Tetrachloroethene	10.73	164	90594	21.322	ug/l	98
65) Chlorobenzene	11.53	112	181660	19.983	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	67624	20.040	ug/l	98
67) Ethyl Benzene	11.60	91	320428	20.067	ug/l	100
68) m/p-Xylenes	11.71	106	247897	40.123	ug/l	100
69) o-Xylene	12.03	106	116914	20.210	ug/l	99
70) Styrene	12.05	104	202970	20.524	ug/l	98
71) Bromoform	12.22	173	42774	20.423	ug/l #	99
73) Isopropylbenzene	12.34	105	318747	19.605	ug/l	100
74) N-amyl acetate	12.15	43	78335	20.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	47591	18.405	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	38918m	17.457	ug/l	
77) Bromobenzene	12.62	156	80593	19.840	ug/l	99
78) n-propylbenzene	12.68	91	373071	19.773	ug/l	100
79) 2-Chlorotoluene	12.77	91	206807	19.787	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	270243	20.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	21928	19.723	ug/l	95
82) 4-Chlorotoluene	12.86	91	222090	20.230	ug/l	98
83) tert-Butylbenzene	13.08	119	234386	19.834	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	267656	19.927	ug/l	99
85) sec-Butylbenzene	13.26	105	328940	20.060	ug/l	100
86) p-Isopropyltoluene	13.38	119	307500	20.014	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	152875	19.884	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	152370	20.015	ug/l	98
89) n-Butylbenzene	13.70	91	282651	20.208	ug/l	99
90) Hexachloroethane	13.97	117	56672	20.254	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	137602	20.058	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9430	19.564	ug/l	96

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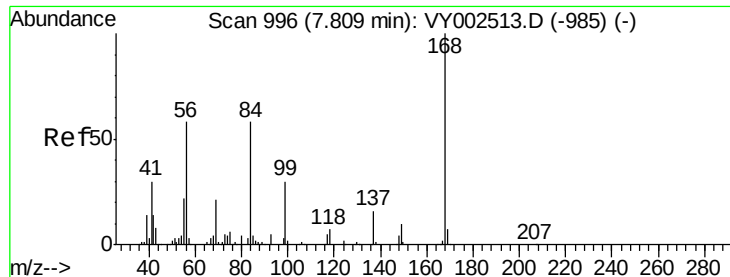
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	101840	20.447	ug/l	99
94) Hexachlorobutadiene	15.12	225	61750	20.655	ug/l	98
95) Naphthalene	15.25	128	181488	19.975	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	86892	20.551	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0508SBSD01

Tot Ion:168 Resp: 357031

Ion Ratio Lower Upper

168 100

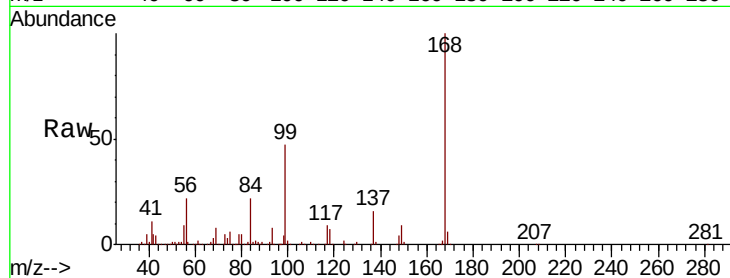
99 47.3 39.2 58.8

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

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

7.82

150000

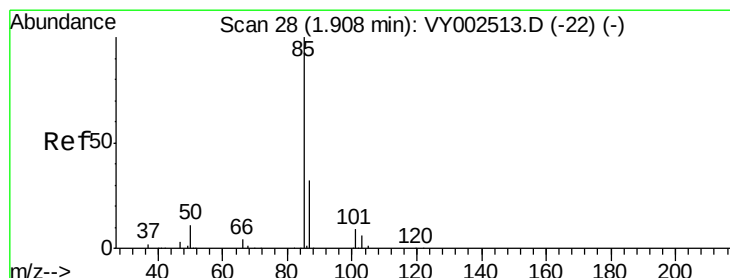
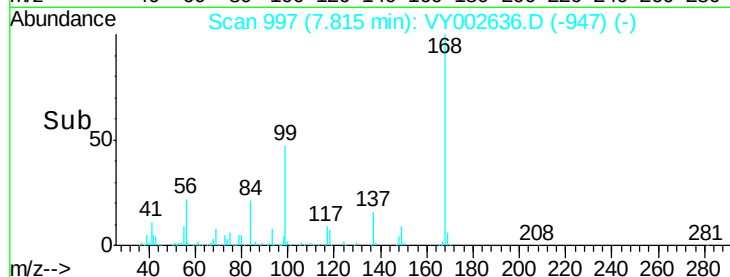
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 14.773 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002636.D

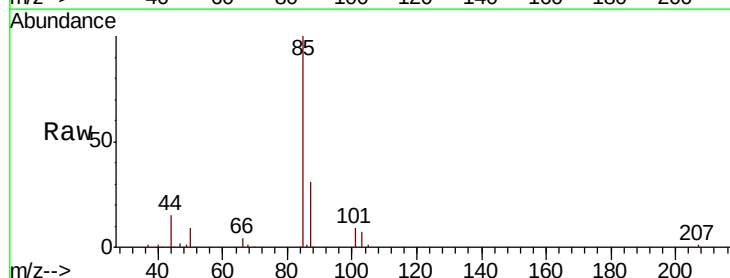
Acq: 08 May 2020 12:46

Tgt Ion: 85 Resp: 39736

Ion Ratio Lower Upper

85 100

87 31.0 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) (-)

1.91

30000

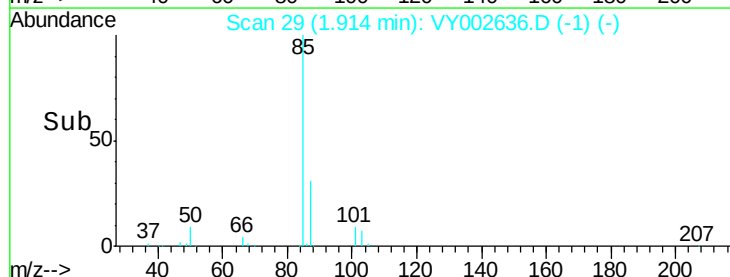
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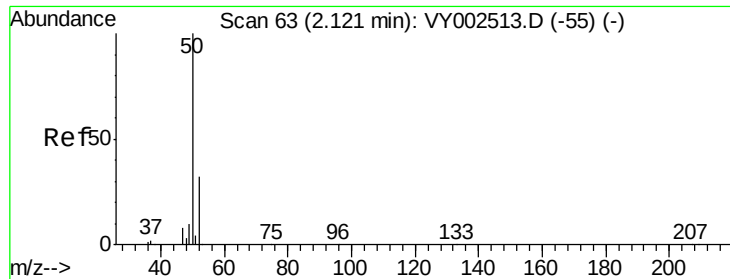
10000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 17.284 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0508SBS01

Tot Ion: 50 Resp: 49996

Ion Ratio Lower Upper

50 100

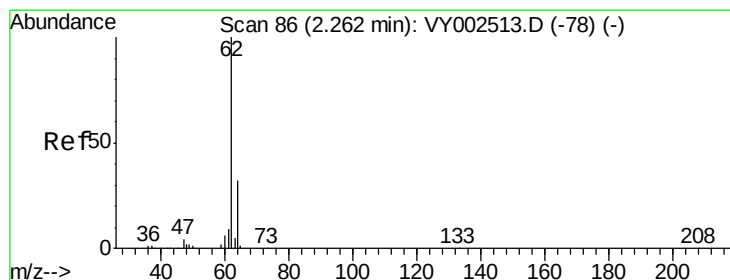
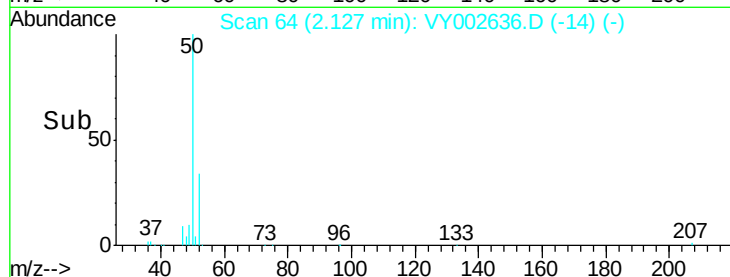
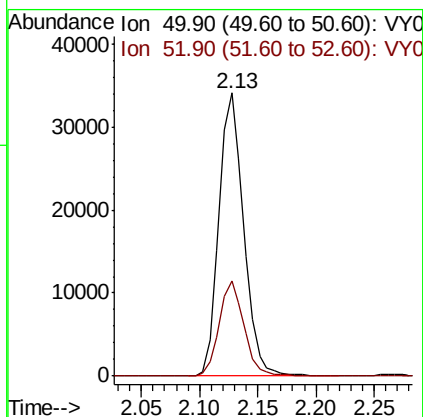
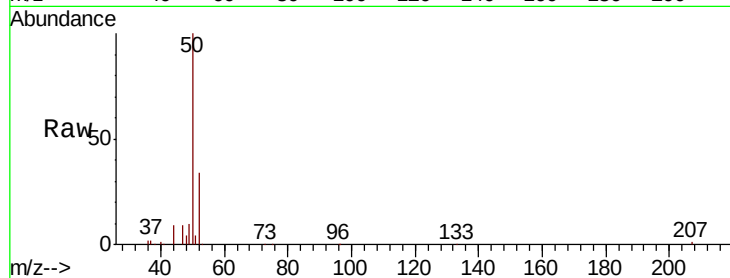
52 33.8 25.9 38.9

Manual Integrations

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5/11/2020 1:00:51 PM



#4

Vinyl Chloride

Concen: 17.334 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002636.D

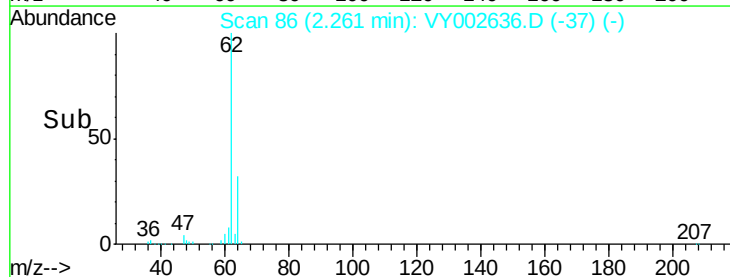
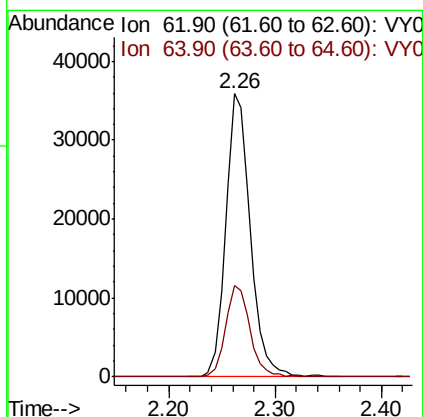
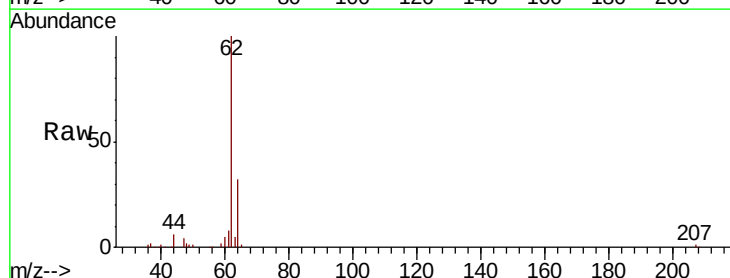
Acq: 08 May 2020 12:46

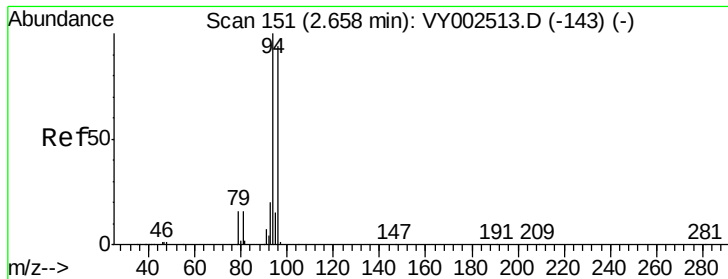
Tgt Ion: 62 Resp: 57897

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 18.390 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0508SBS01

Tot Ion: 94 Resp: 42360

Ion Ratio Lower Upper

94 100

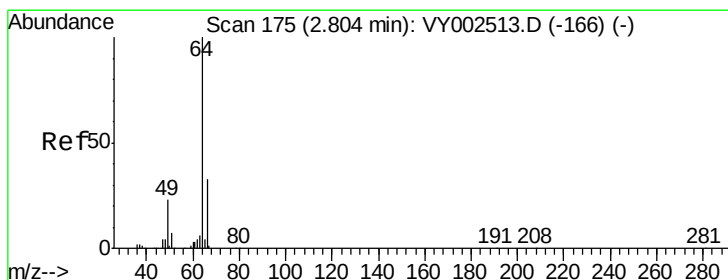
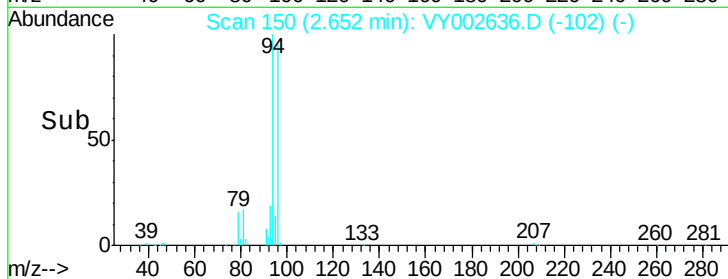
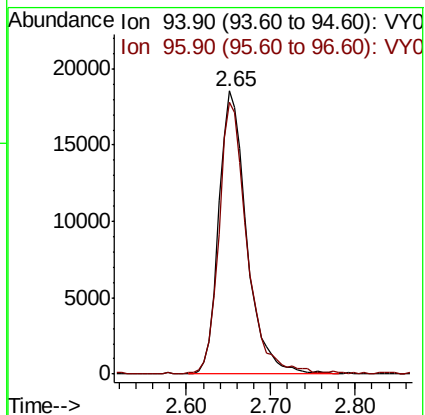
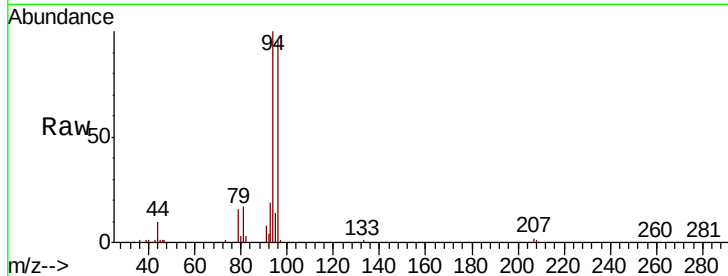
96 95.3 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 18.655 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002636.D

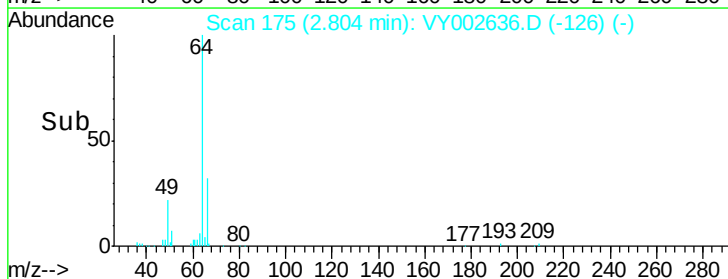
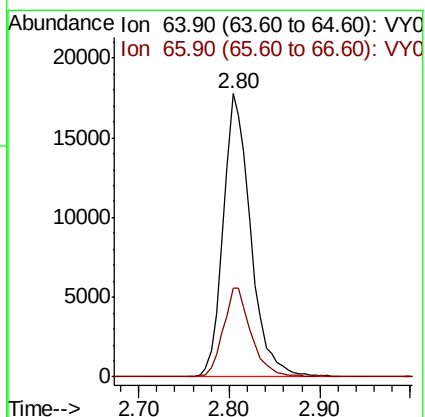
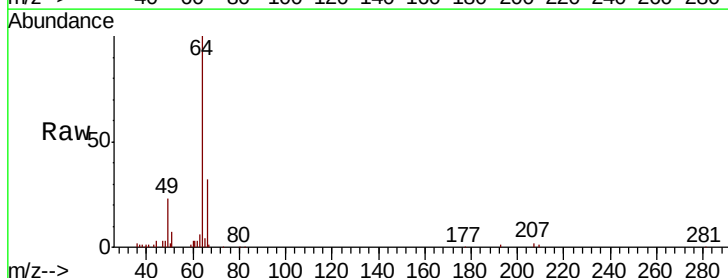
Acq: 08 May 2020 12:46

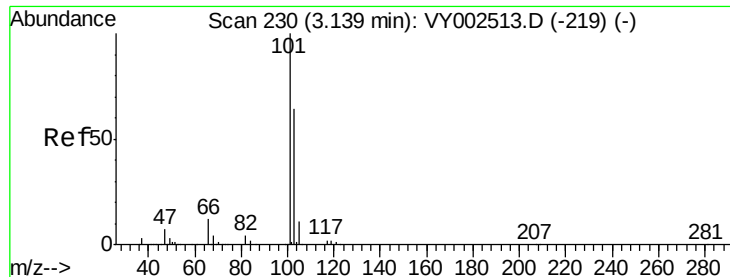
Tgt Ion: 64 Resp: 37205

Ion Ratio Lower Upper

64 100

66 31.6 26.3 39.5





#7

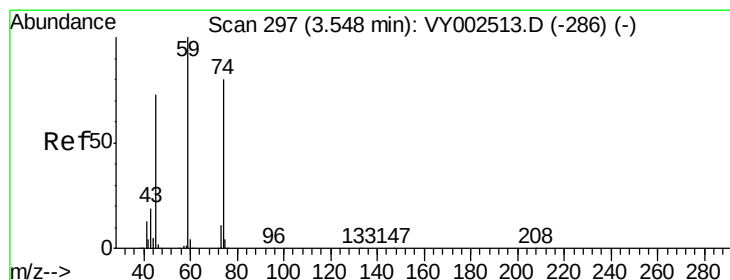
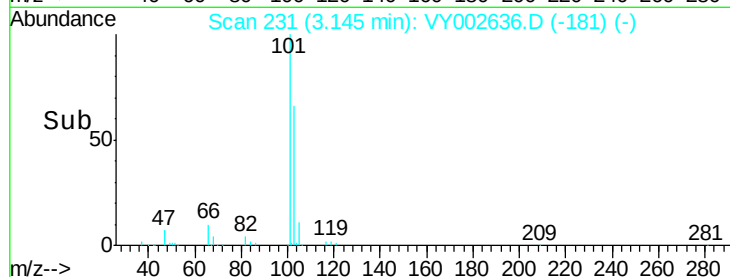
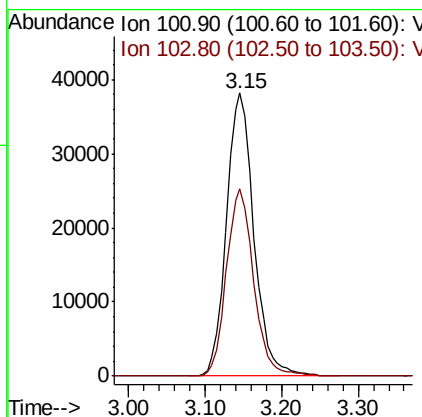
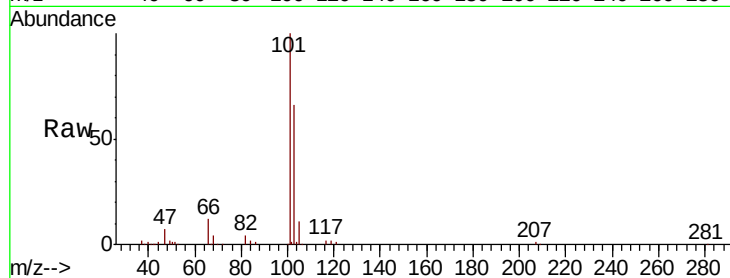
Trichlorofluoromethane
Concen: 18.273 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
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ClientSampleId :
VY0508SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.4	77.0

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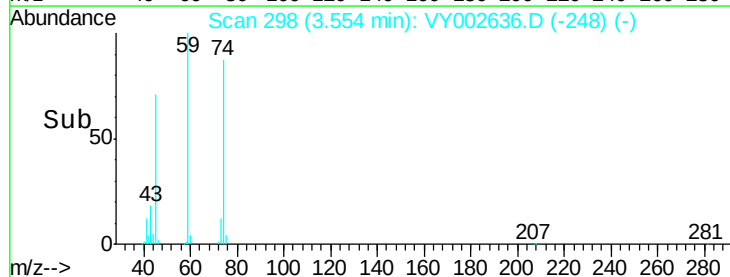
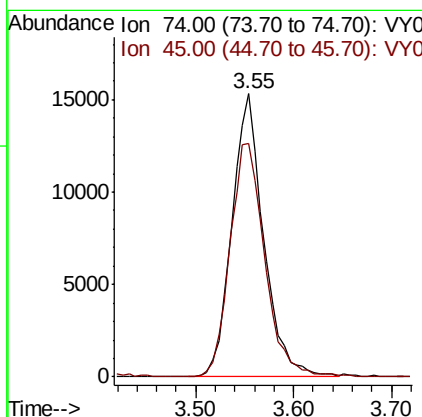
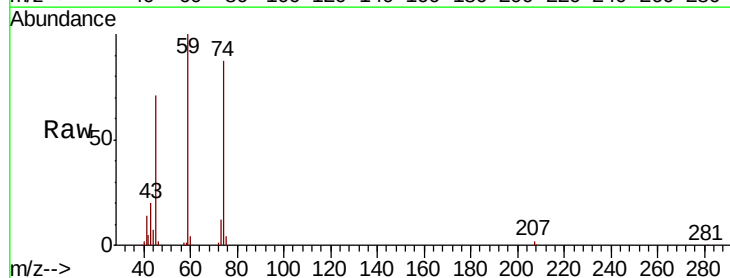
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5/11/2020 1:00:51 PM

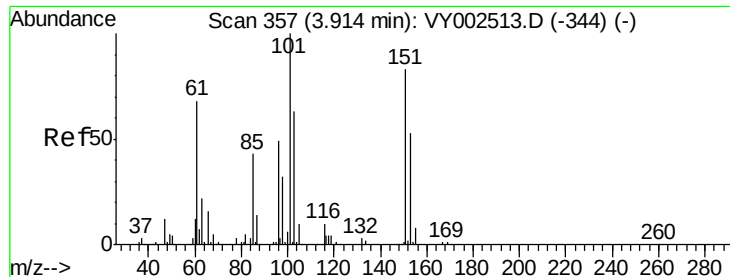


#8

Diethyl Ether
Concen: 19.817 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.4	46.2	138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.001 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

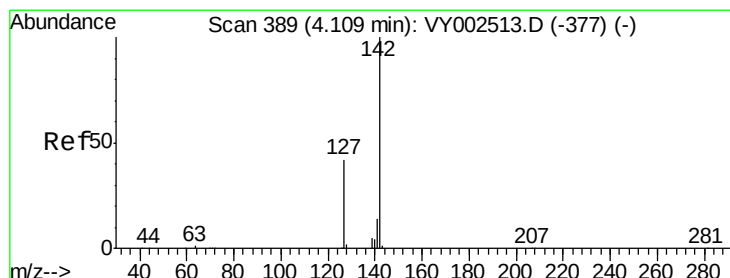
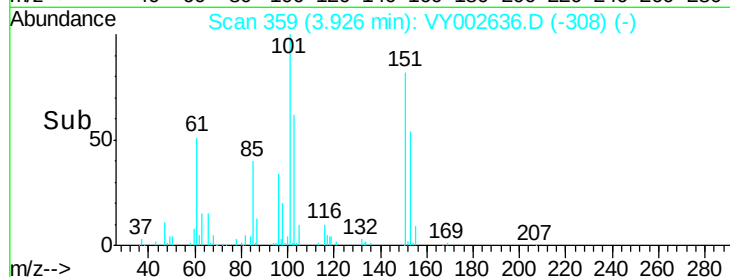
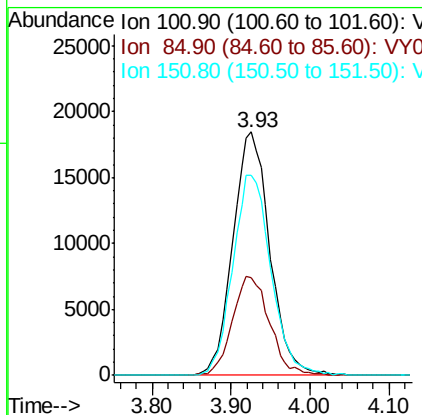
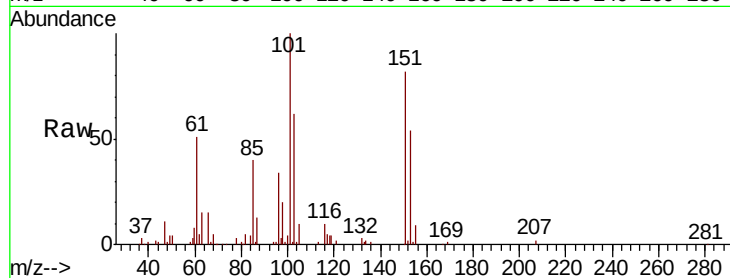
ClientSampleId :

VY0508SBS01

Tot Ion:	101	Resp:	60115
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.4	50.2
151	85.5	66.8	100.2

Manual Integrations
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5/11/2020 1:00:51 PM



#10

Methyl Iodide

Concen: 17.949 ug/l

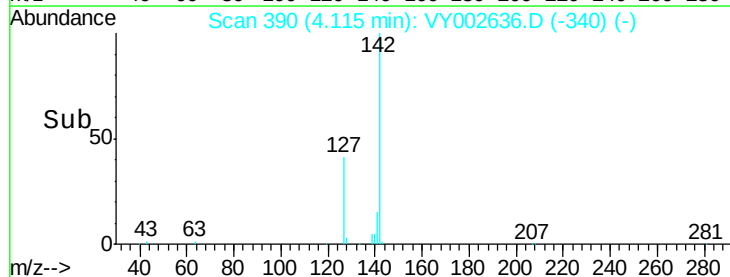
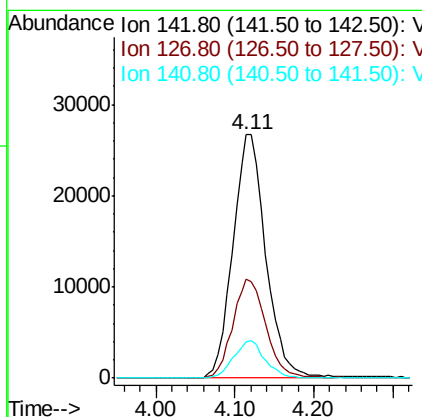
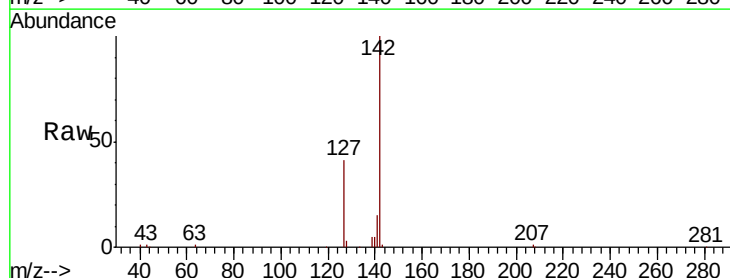
RT: 4.11 min Scan# 390

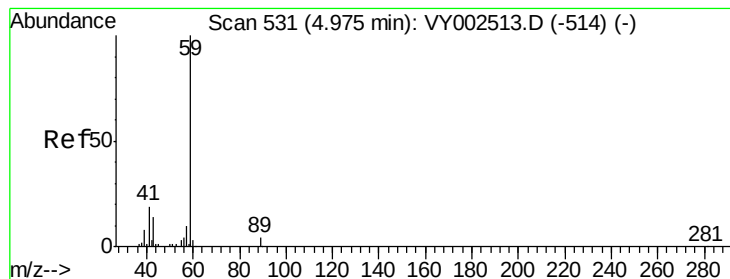
Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Tgt Ion:	142	Resp:	77365
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.7	50.5
141	14.6	11.4	17.0





#11

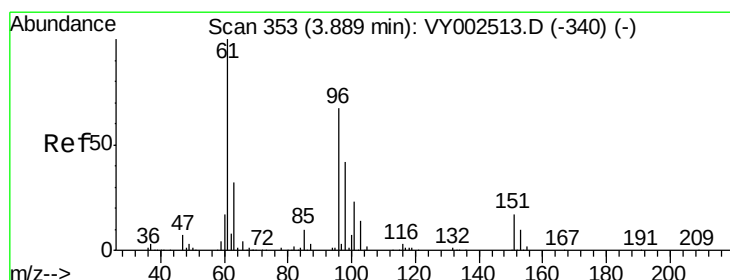
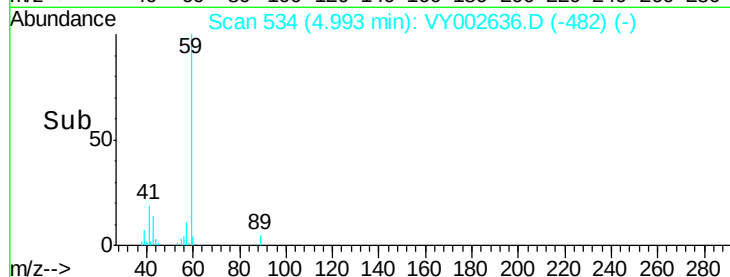
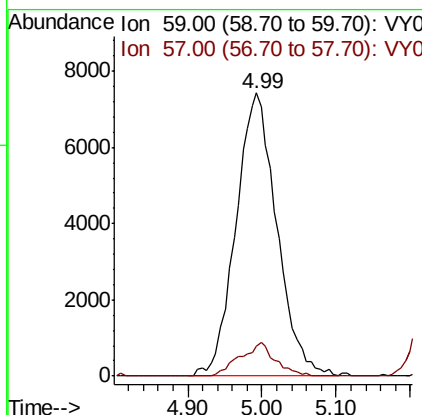
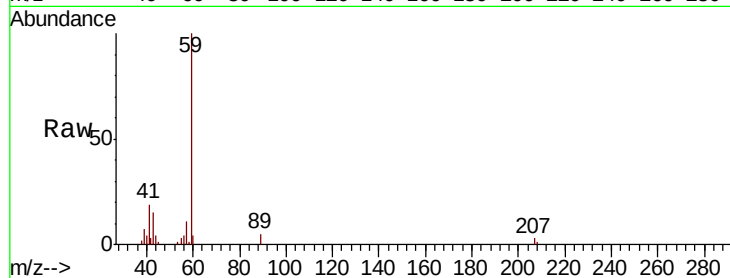
Tert butyl alcohol
Concen: 92.365 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.02 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	59	Resp	28527
Ion Ratio	100	Lower	Upper
57	10.2	7.8	11.6

Manual Integrations
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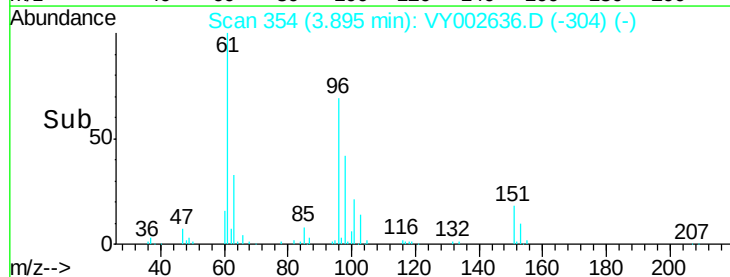
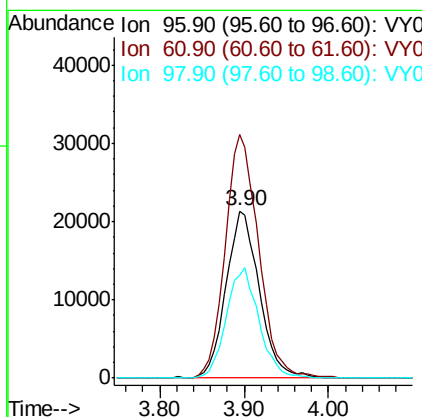
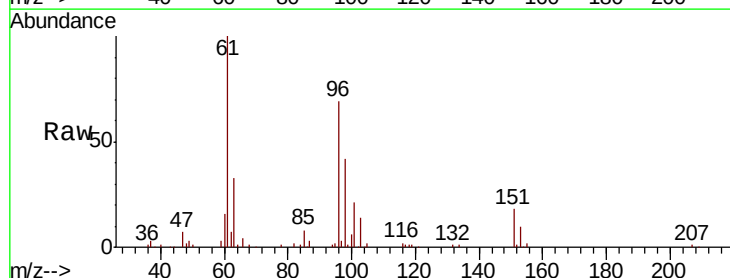
MMDadoda
5/11/2020 1:00:51 PM

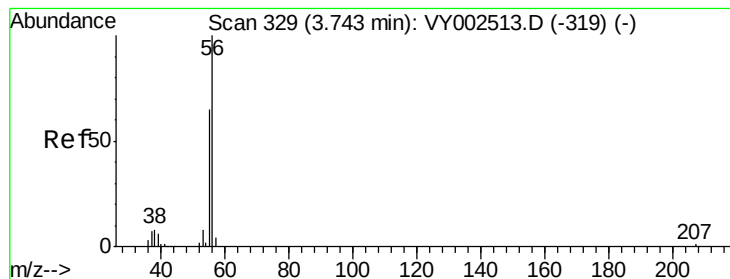


#12

1,1-Dichloroethene
Concen: 18.691 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	96	Resp	57448
Ion Ratio	100	Lower	Upper
61	145.5	118.8	178.2
98	61.6	49.6	74.4





#13

Acrolein

Concen: 75.661 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.02 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0508SBS01

Tot Ion: 56 Resp: 16159

Ion Ratio Lower Upper

56 100

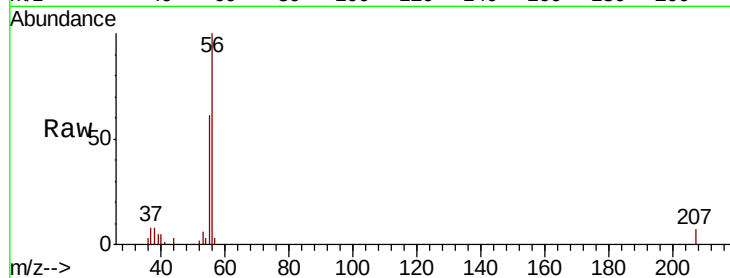
55 68.0 53.8 80.6

Manual Integrations

APPROVED

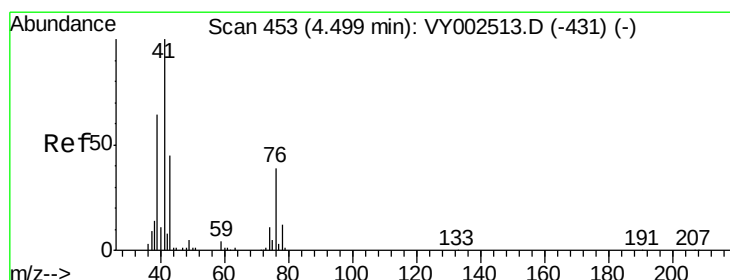
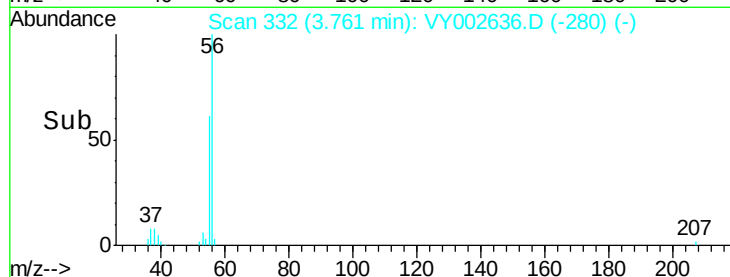
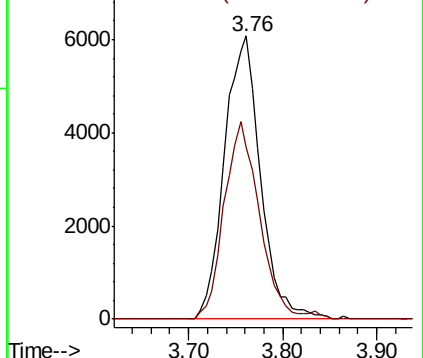
MMDadoda

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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: 19.601 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

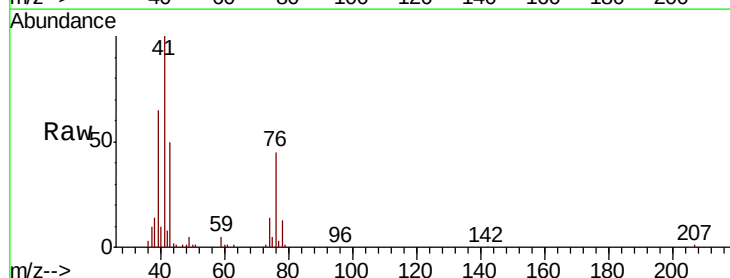
Tgt Ion: 41 Resp: 87776

Ion Ratio Lower Upper

41 100

39 62.0 51.8 77.6

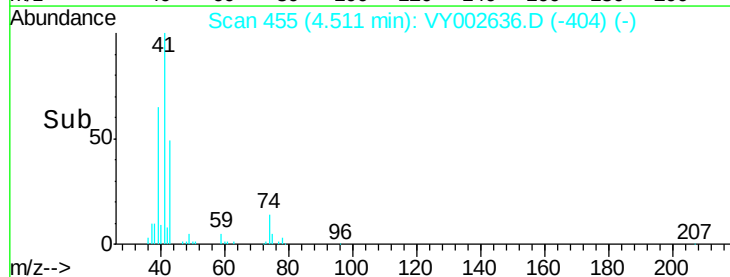
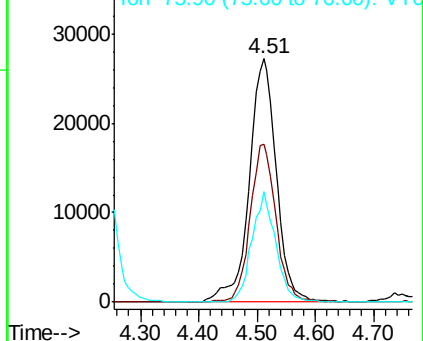
76 39.7 31.7 47.5

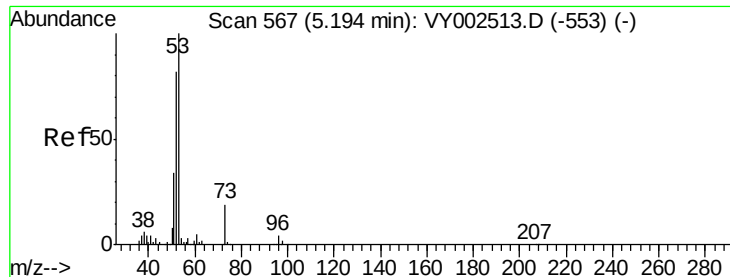


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





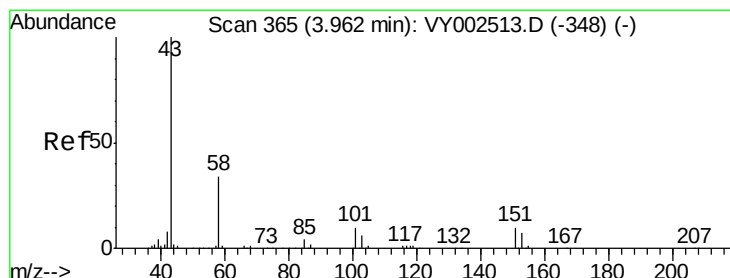
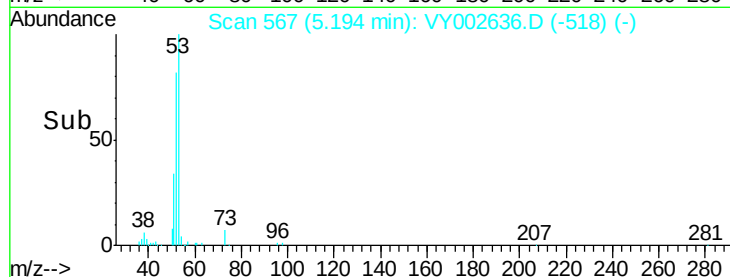
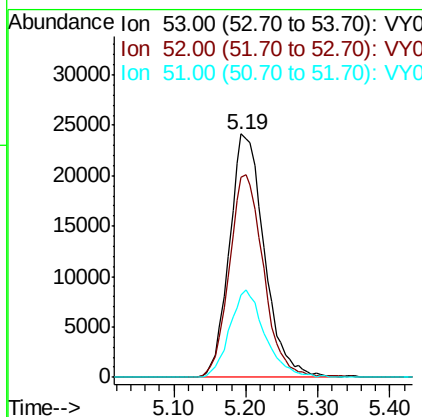
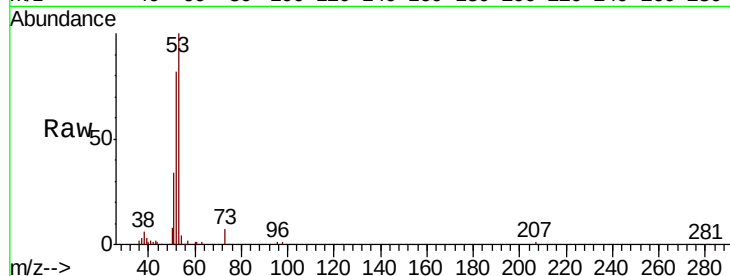
#15
 Acrylonitrile
 Concen: 99.206 ug/l
 RT: 5.19 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Tot Ion:	53	Resp:	81385
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.4	98.0
51	36.1	28.7	43.1

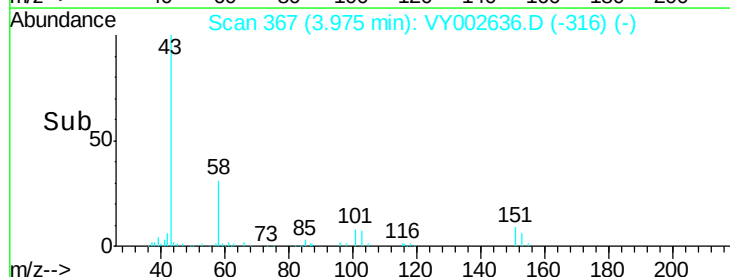
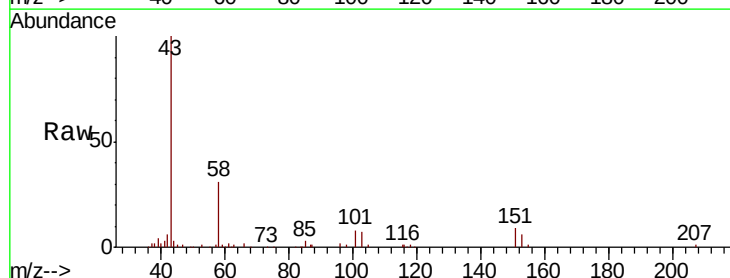
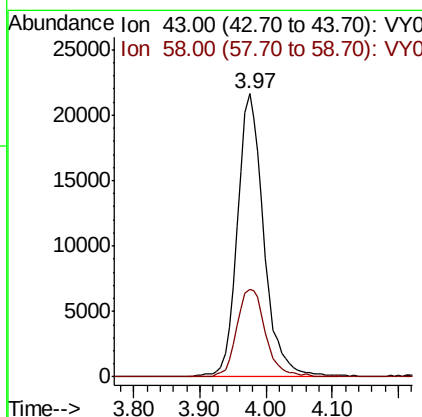
Manual Integrations
 APPROVED

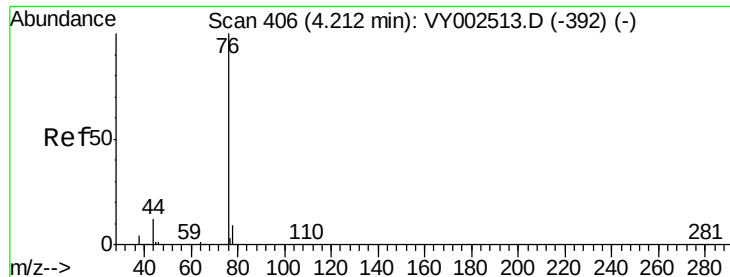
MMDadoda
 5/11/2020 1:00:51 PM



#16
 Acetone
 Concen: 96.547 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion:	43	Resp:	59815
Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.9	40.3





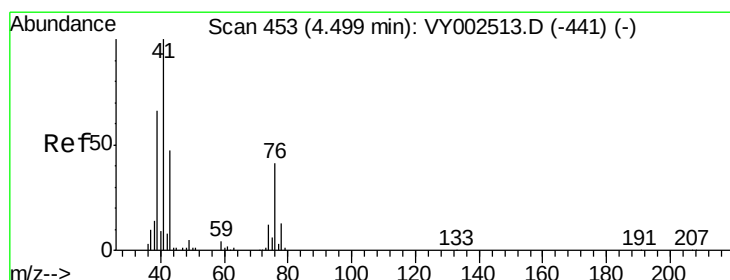
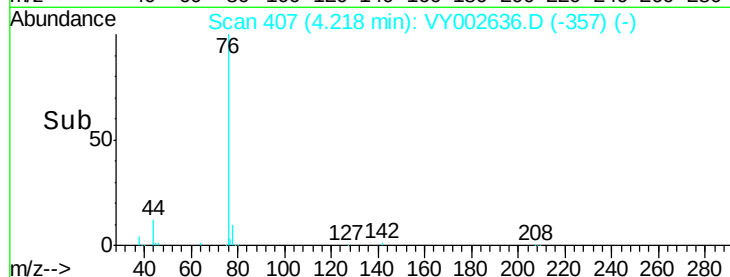
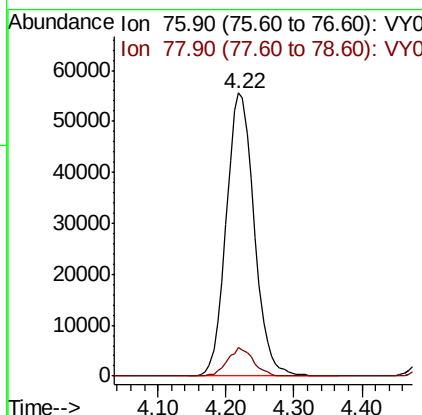
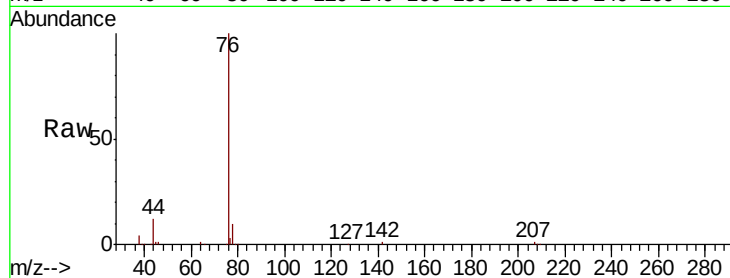
#17
Carbon Disulfide
Concen: 17.144 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.4	11.2

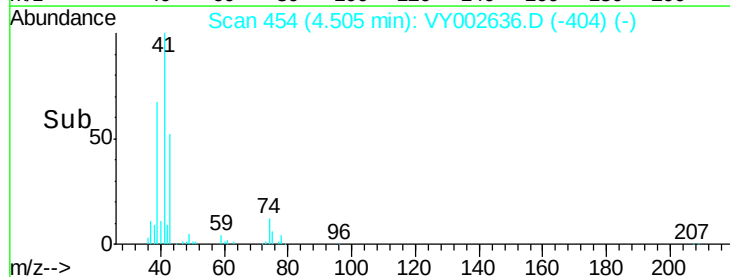
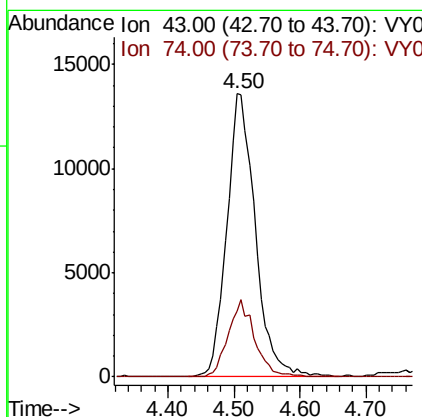
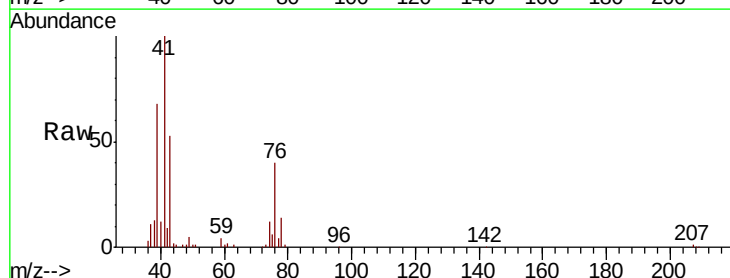
Manual Integrations
APPROVED

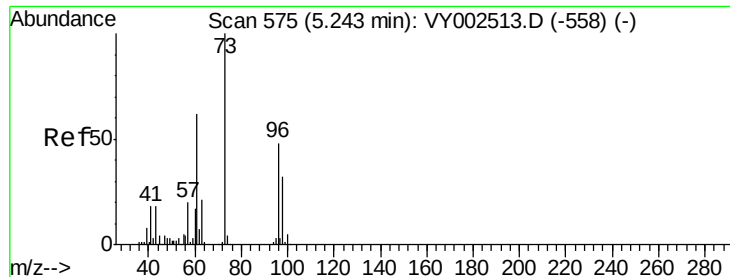
MMDadoda
5/11/2020 1:00:51 PM



#18
Methyl Acetate
Concen: 19.655 ug/l
RT: 4.50 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	21.2	31.8





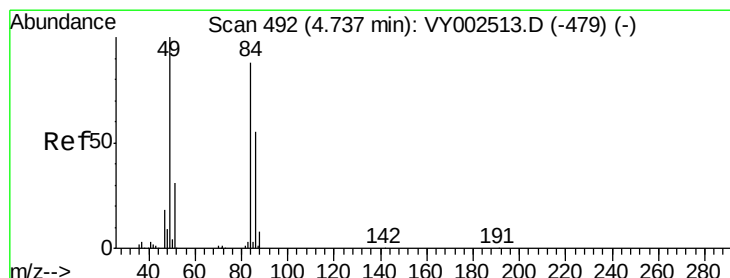
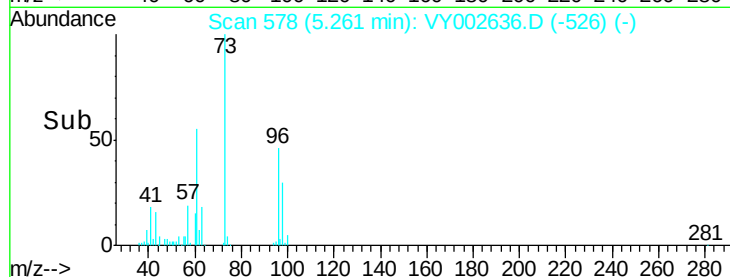
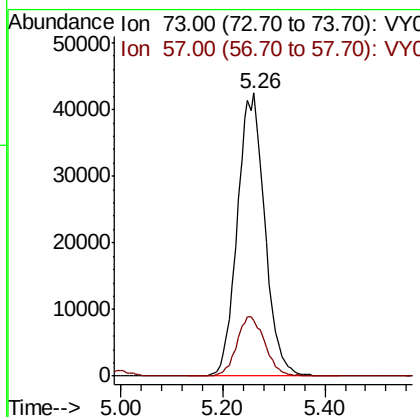
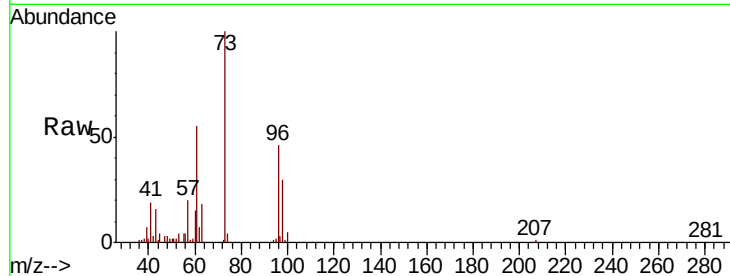
#19
Methyl tert-butyl Ether
Concen: 19.780 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.02 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	16.3	24.5

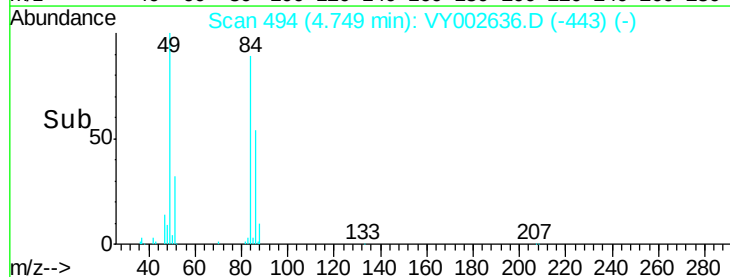
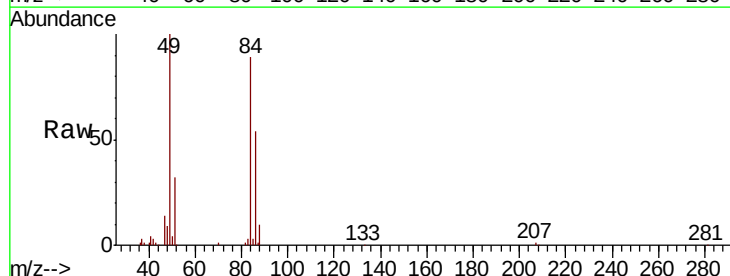
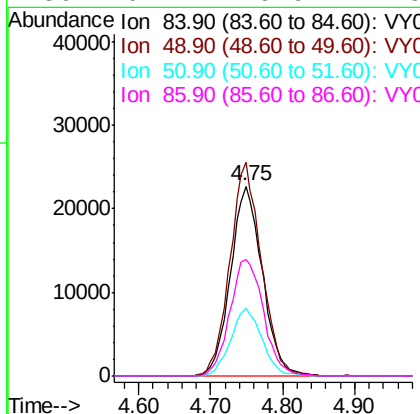
Manual Integrations
APPROVED

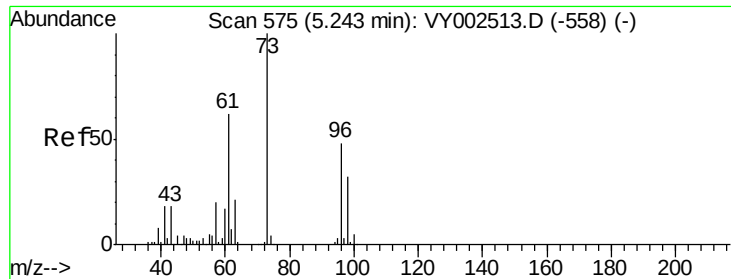
MMDadoda
5/11/2020 1:00:51 PM



#20
Methylene Chloride
Concen: 20.007 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.7	90.5	135.7
51	35.5	28.3	42.5
86	61.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.218 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

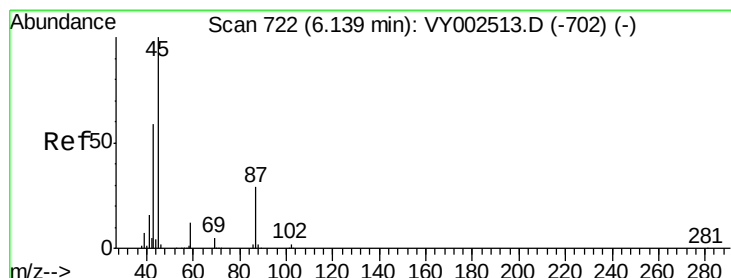
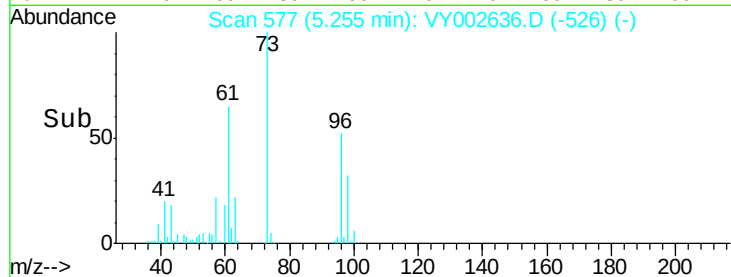
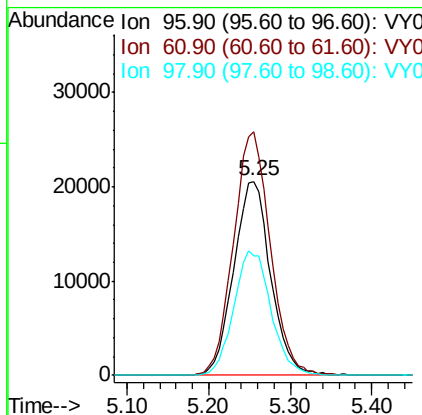
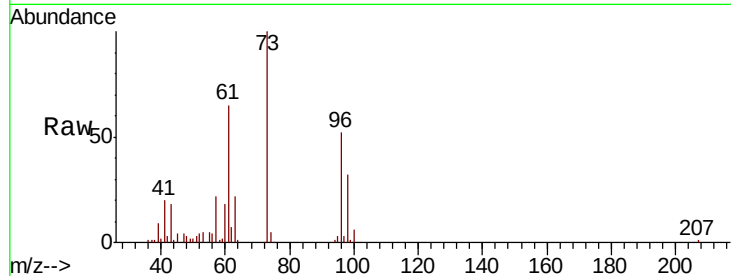
ClientSampleId :

VY0508SBS01

Tot Ion:	96	Resp:	64557
Ion	Ratio	Lower	Upper
96	100		
61	125.7	102.0	153.0
98	61.9	53.0	79.4

Manual Integrations
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MMDadoda
5/11/2020 1:00:51 PM



#22

Diisopropyl ether

Concen: 20.819 ug/l

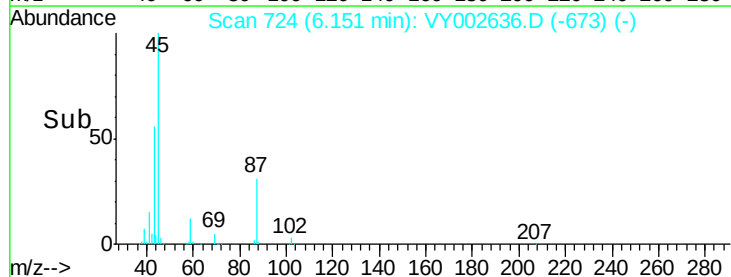
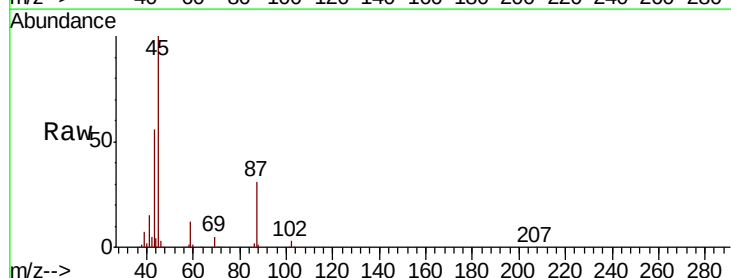
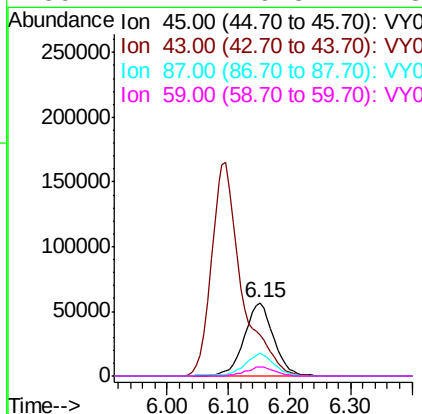
RT: 6.15 min Scan# 724

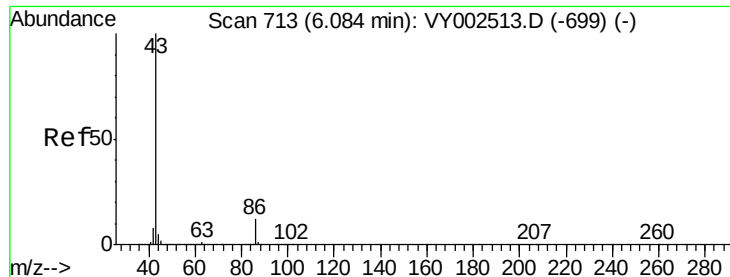
Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Tgt Ion:	45	Resp:	188639
Ion	Ratio	Lower	Upper
45	100		
43	55.8	47.4	71.0
87	30.7	24.0	36.0
59	11.7	9.8	14.8





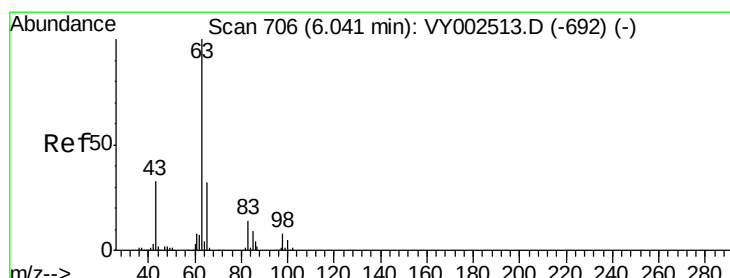
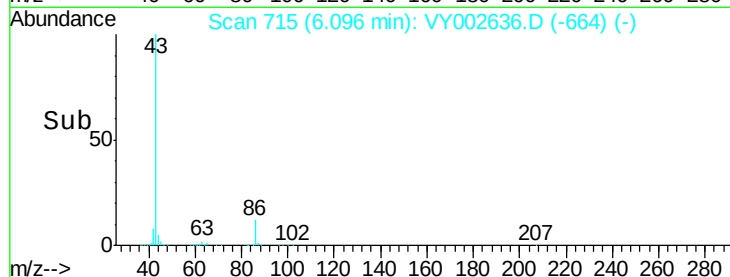
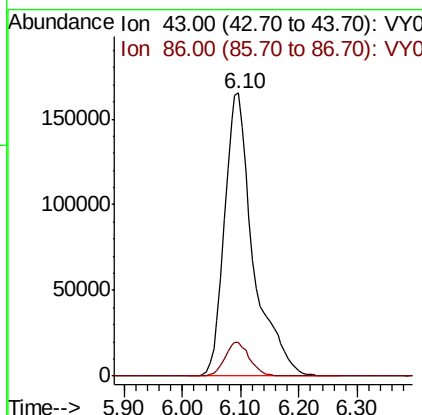
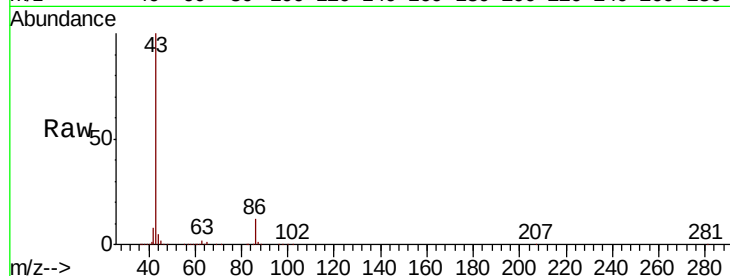
#23
 Vinyl Acetate
 Concen: 99.227 ug/l
 RT: 6.10 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.8	14.6

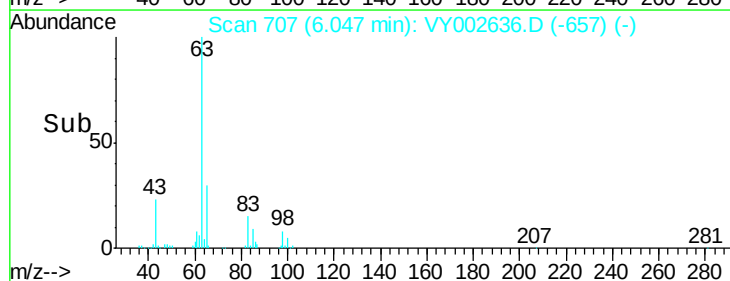
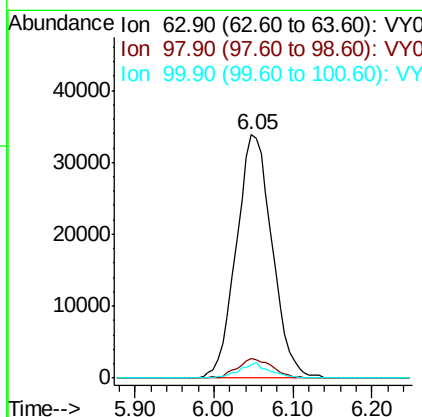
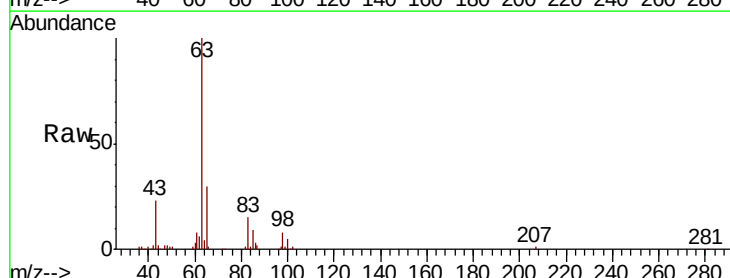
Manual Integrations
 APPROVED

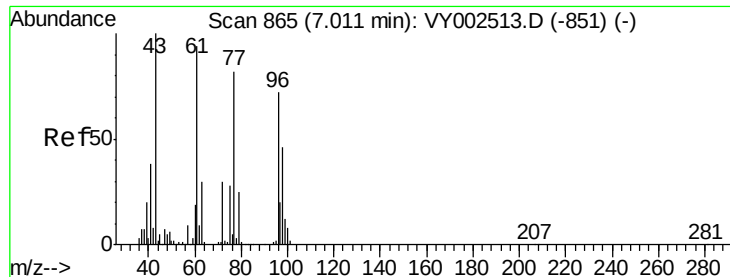
MMDadoda
 5/11/2020 1:00:51 PM



#24
 1,1-Dichloroethane
 Concen: 19.967 ug/l
 RT: 6.05 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.2	3.9	11.7
100	5.4	2.4	7.2





#25

2-Butanone

Concen: 96.841 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0508SBS01

Tot Ion: 43 Resp: 98212

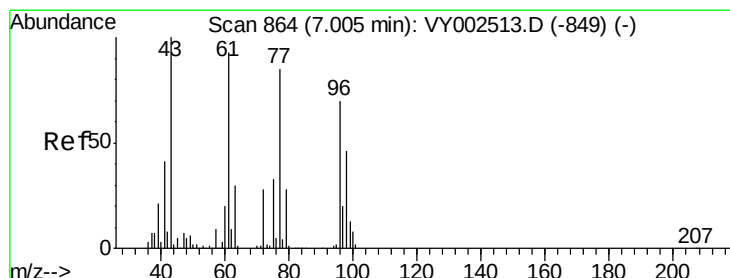
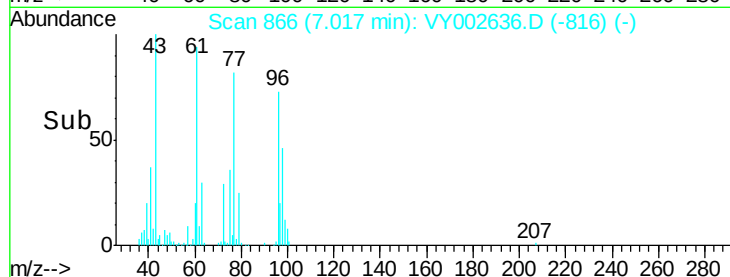
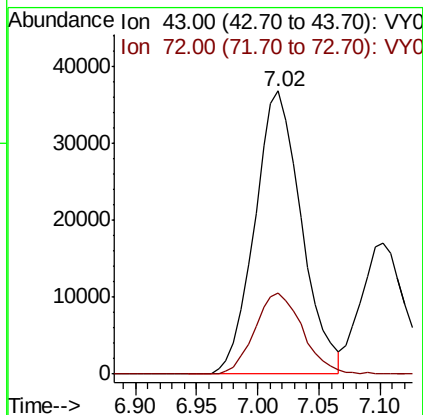
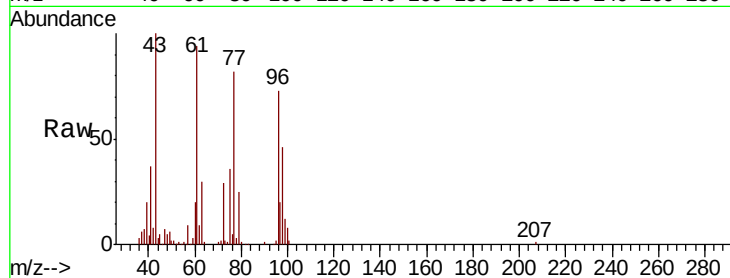
Ion Ratio Lower Upper

43 100

72 28.7 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:51 PM



#26

2,2-Dichloropropane

Concen: 19.129 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002636.D

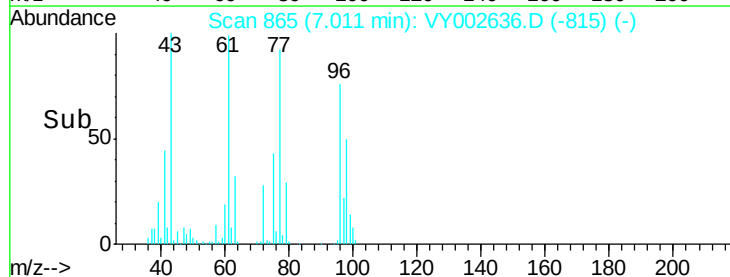
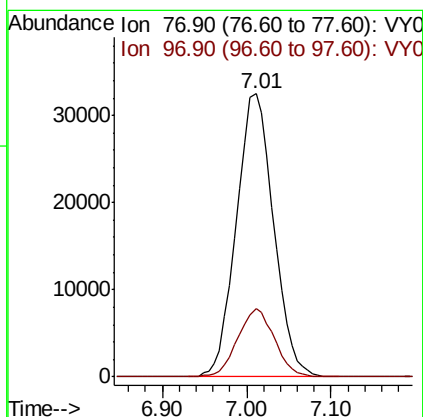
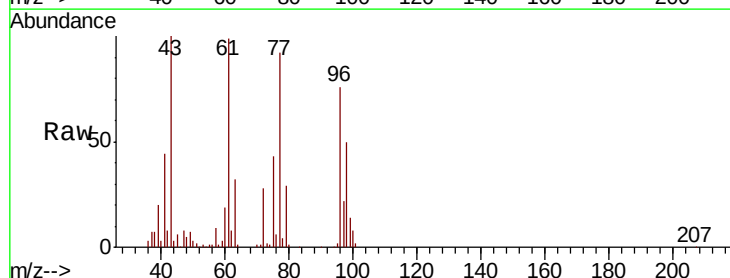
Acq: 08 May 2020 12:46

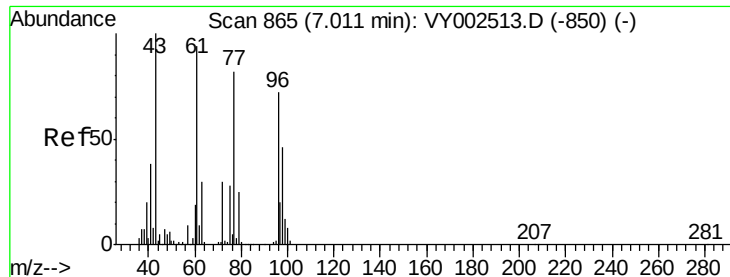
Tgt Ion: 77 Resp: 97467

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.5





#27

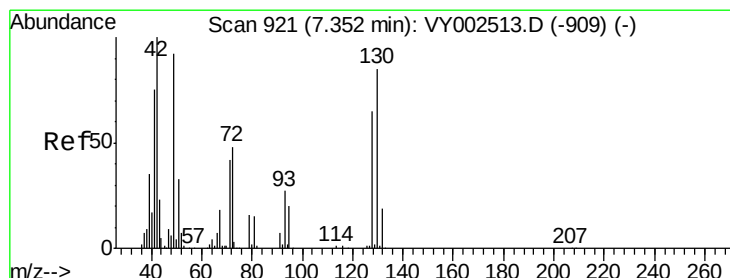
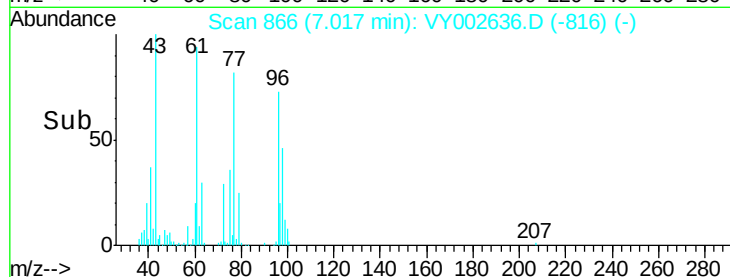
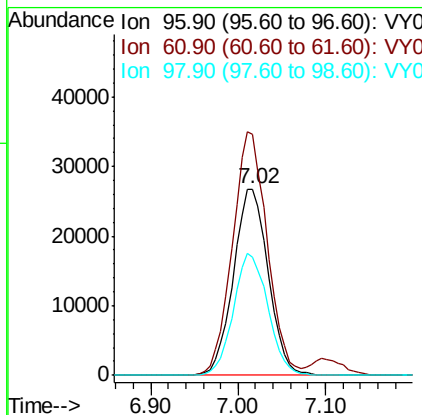
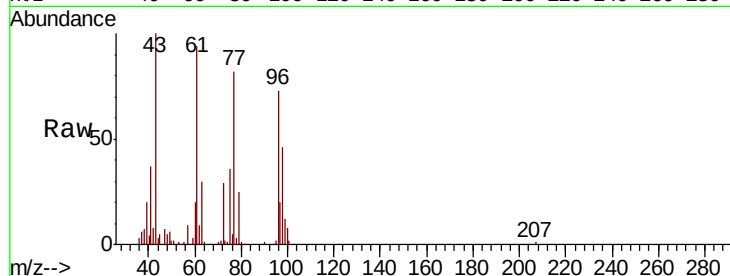
cis-1,2-Dichloroethene
 Concen: 19.966 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	266.6
98	64.7	0.0	129.2

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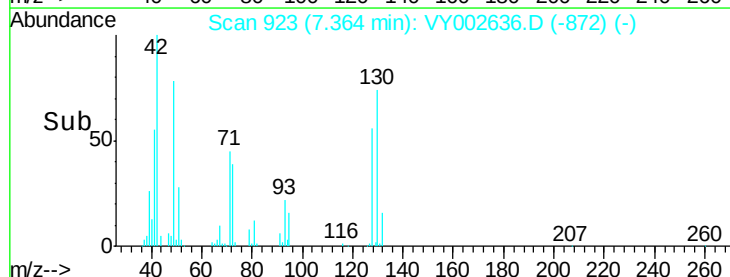
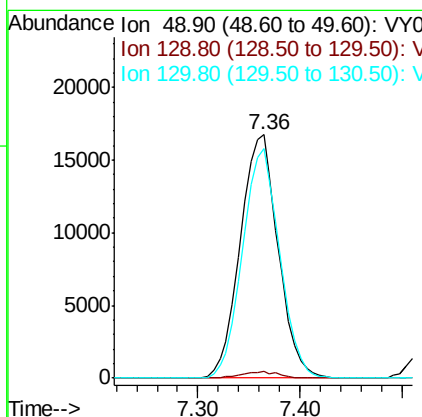
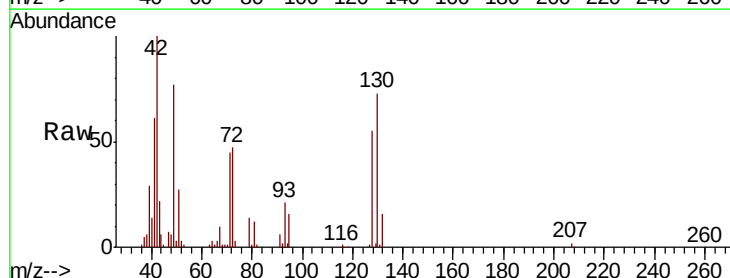
MMDadoda
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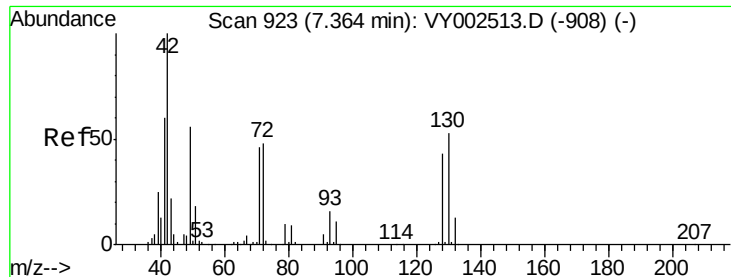


#28

Bromochloromethane
 Concen: 19.672 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	92.4	72.5	108.7





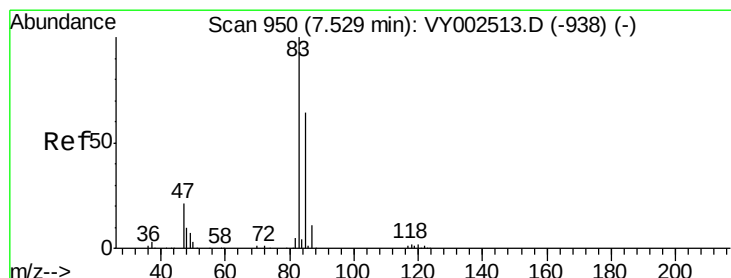
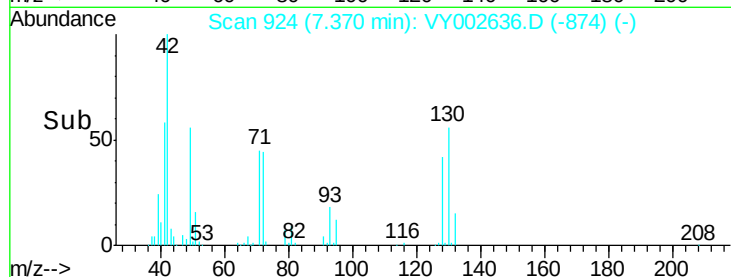
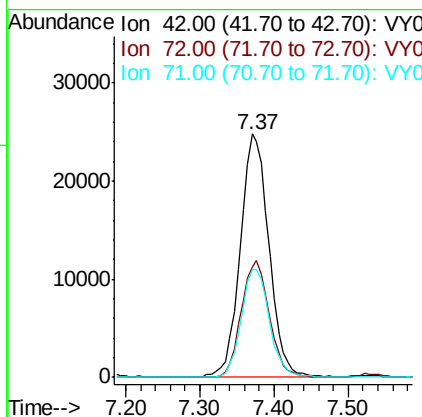
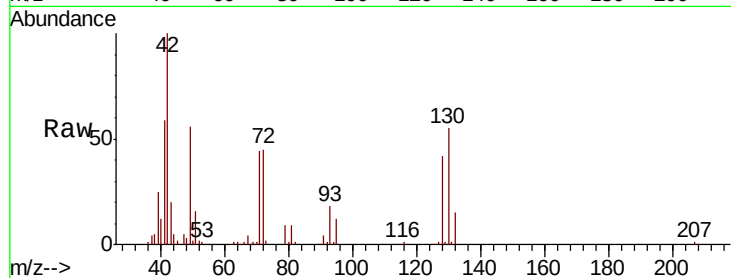
#29
Tetrahydrofuran
Concen: 100.036 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion:	42	Resp:	67122
Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.2
71	43.7	35.0	52.4

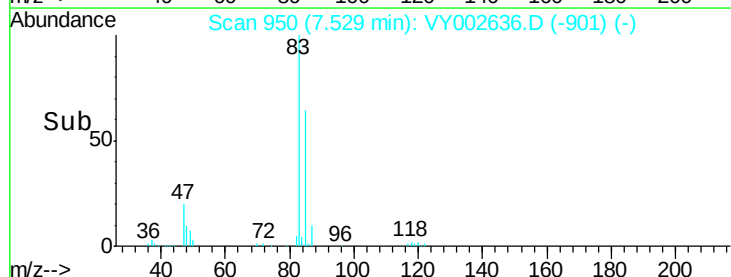
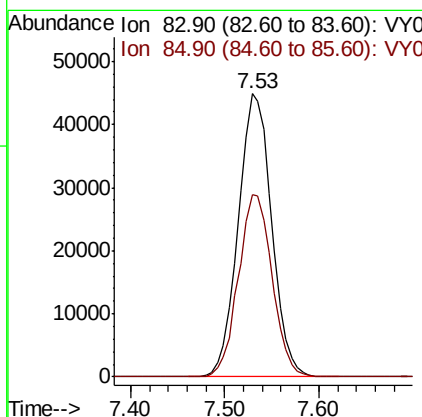
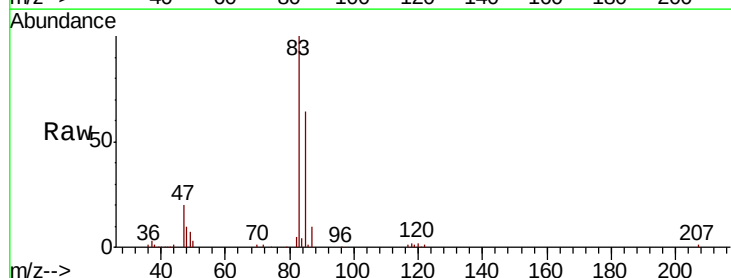
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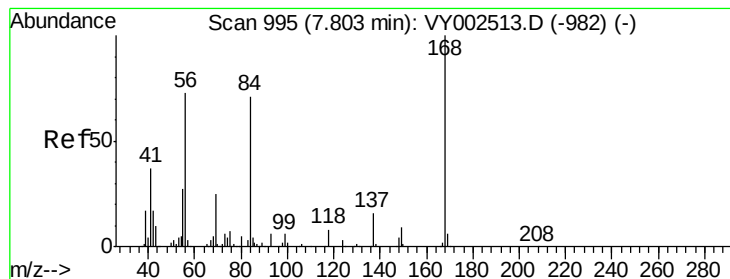
MMDadoda
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#30
Chloroform
Concen: 19.945 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion:	83	Resp:	111166
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





#31

Cyclohexane

Concen: 18.377 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

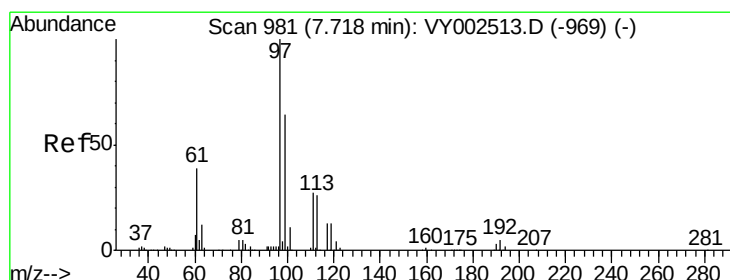
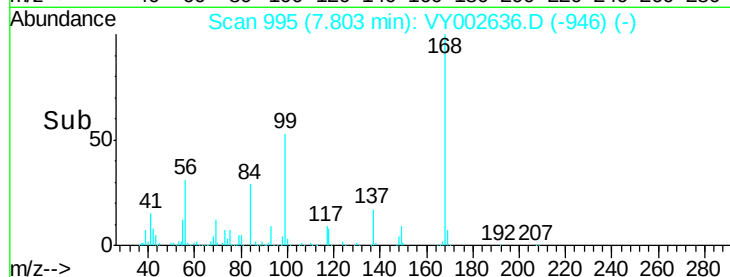
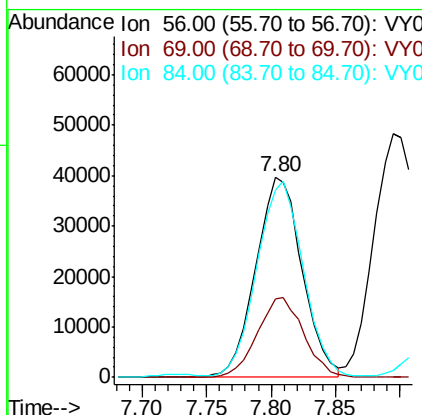
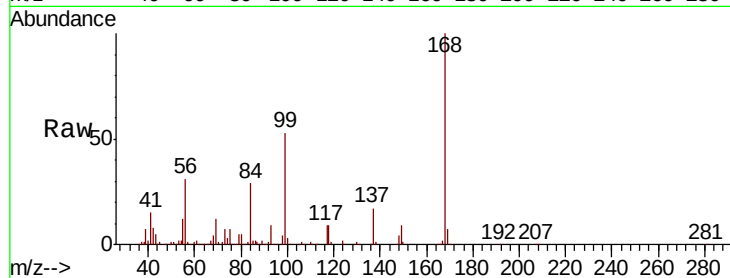
ClientSampleId :

VY0508SBS01

Tot Ion	56	Resp	99155
Ion	Ratio	Lower	Upper
56	100		
69	39.1	27.6	41.4
84	92.0	77.7	116.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.561 ug/l

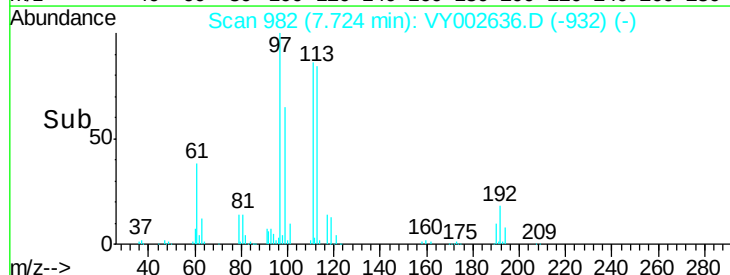
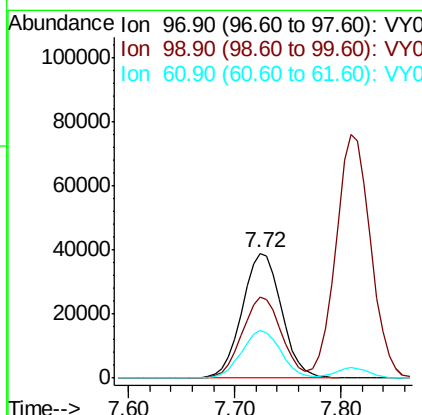
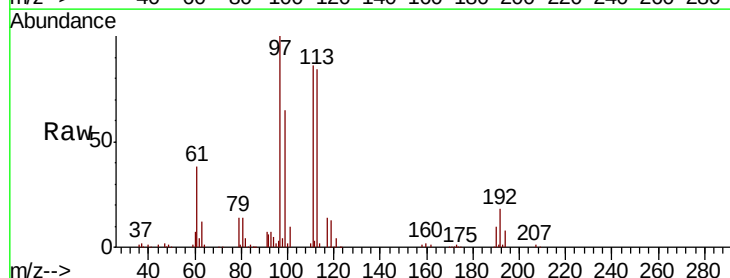
RT: 7.72 min Scan# 982

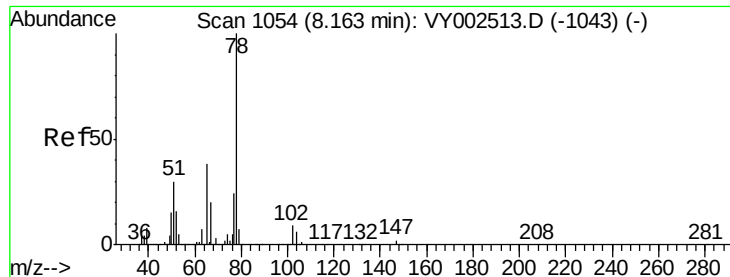
Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Tgt Ion	97	Resp	101338
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	38.1	31.0	46.6





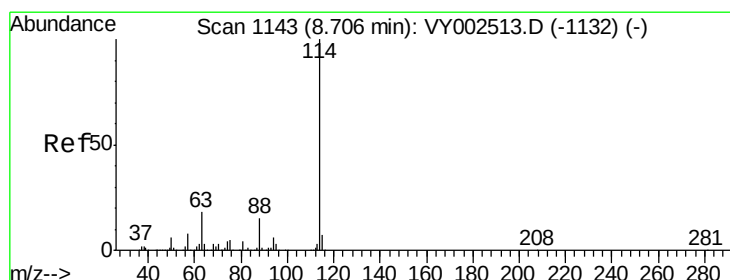
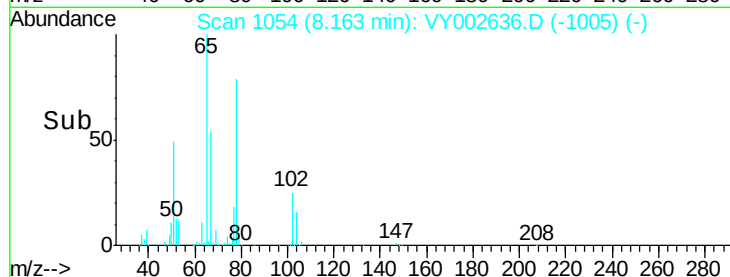
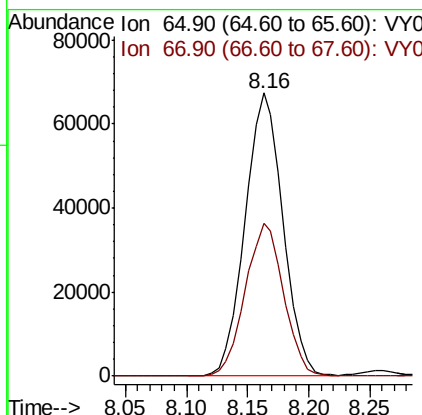
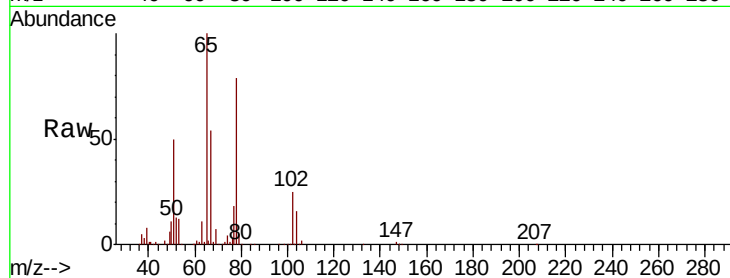
#33
 1,2-Dichloroethane-d4
 Concen: 48.269 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	107.2	

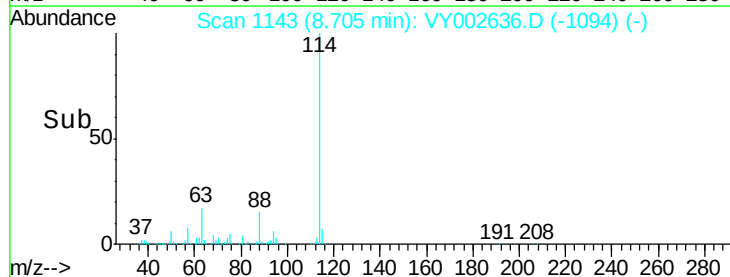
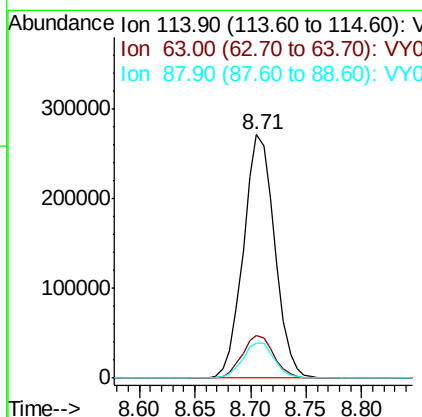
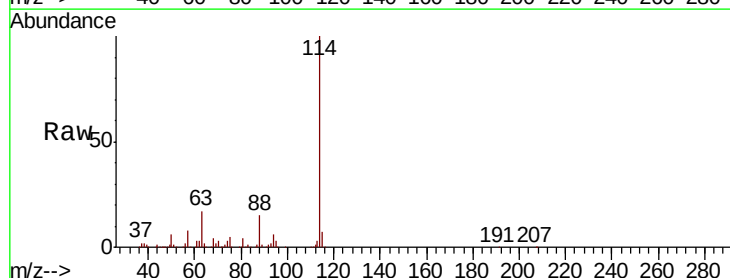
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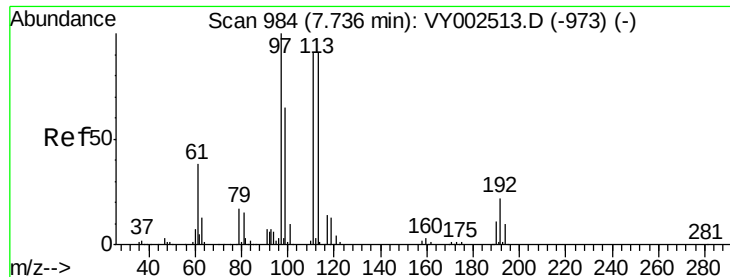
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.4	0.0	36.4	
88	14.5	0.0	29.6	





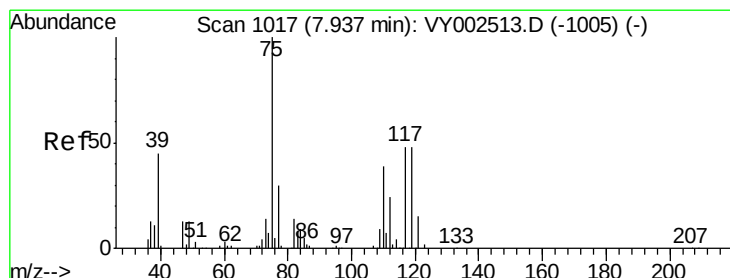
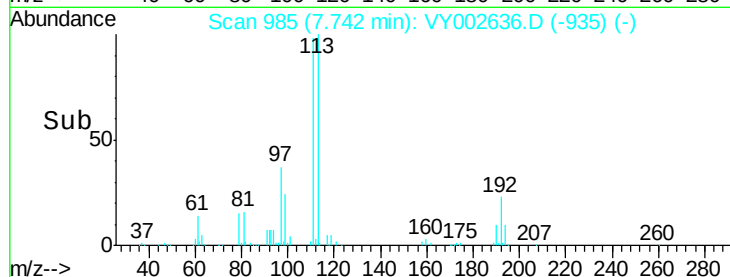
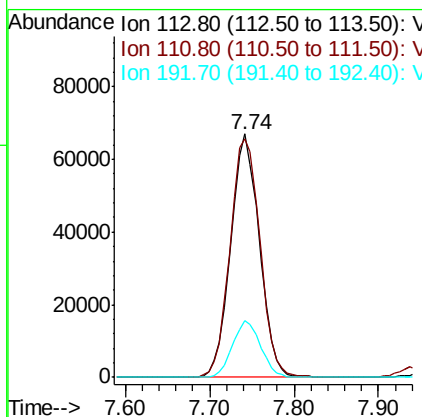
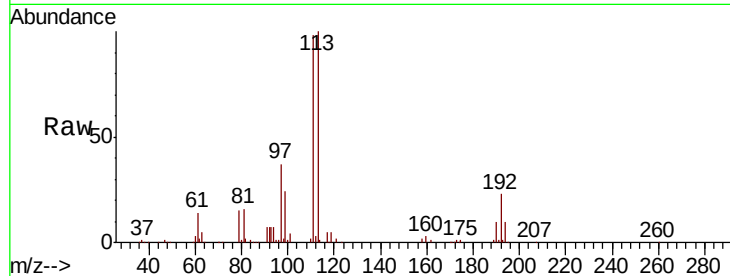
#35
Dibromofluoromethane
Concen: 50.860 ug/l
RT: 7.74 min Scan# 985
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	22.9	18.2	27.4

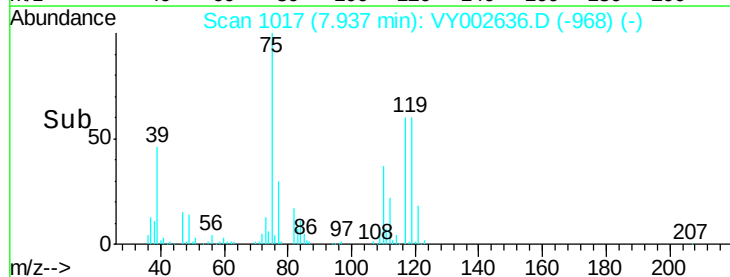
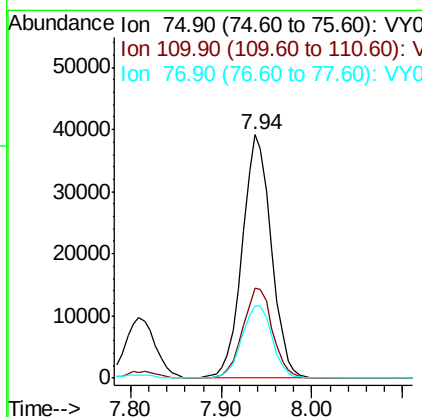
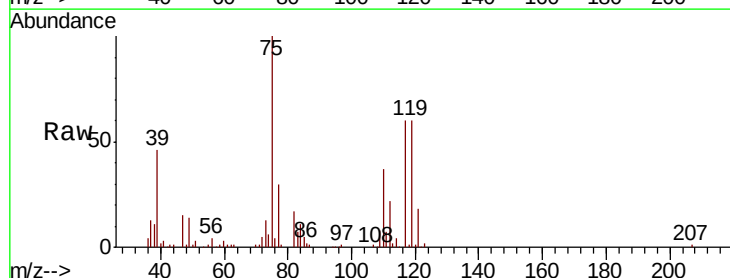
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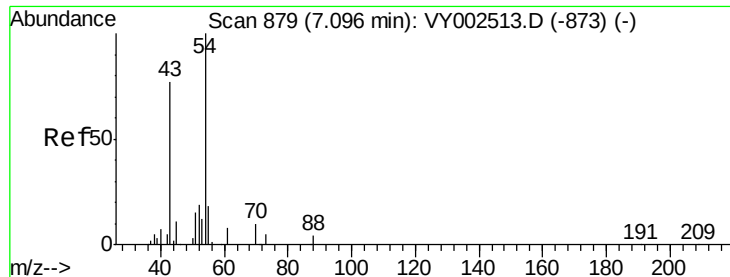
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#36
1,1-Dichloropropene
Concen: 19.506 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.1	57.3
77	31.2	24.6	37.0





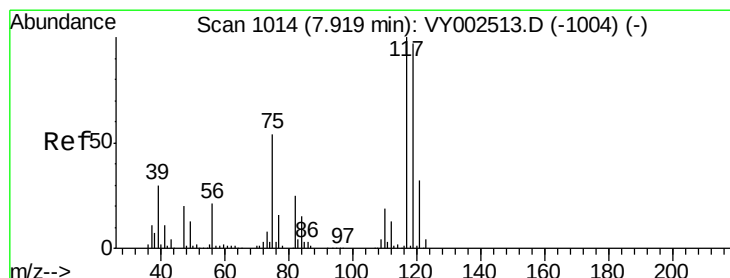
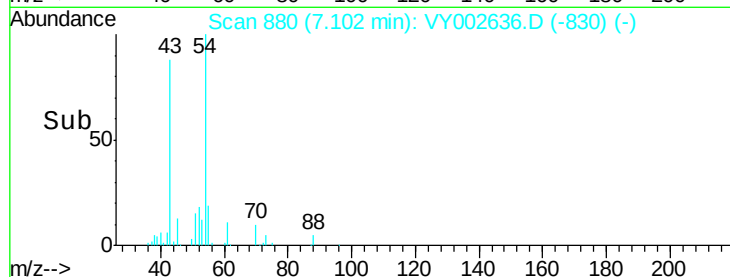
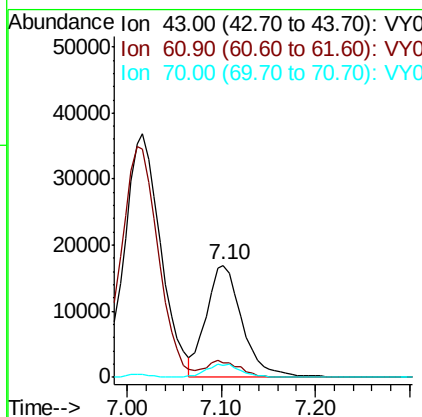
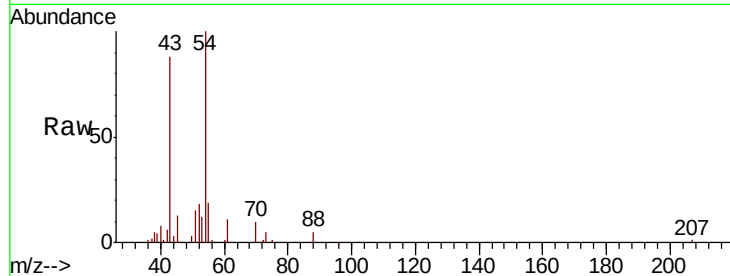
#37
Ethyl Acetate
Concen: 19.648 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.6	17.4
70	11.2	9.0	13.6

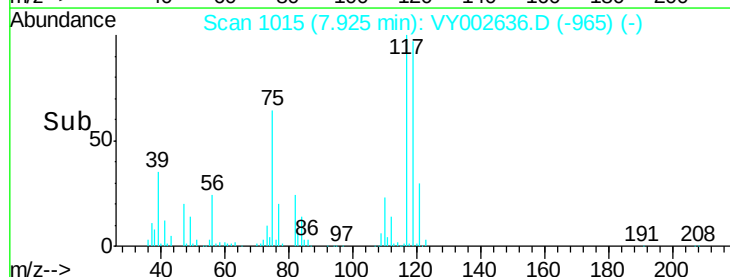
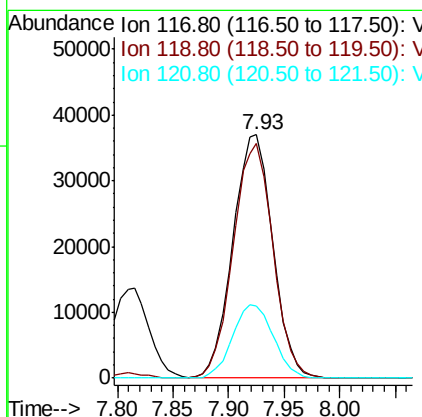
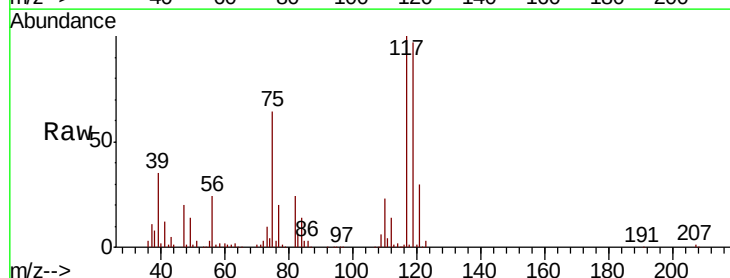
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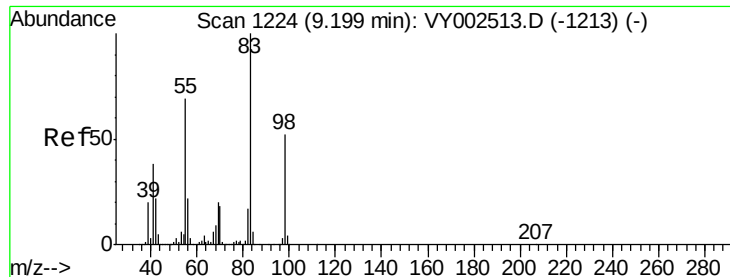
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.034 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.1	115.7
121	29.6	25.2	37.8





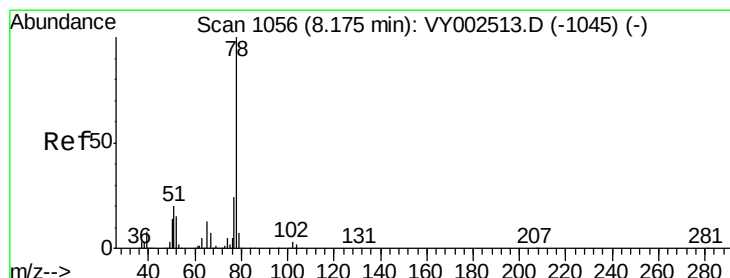
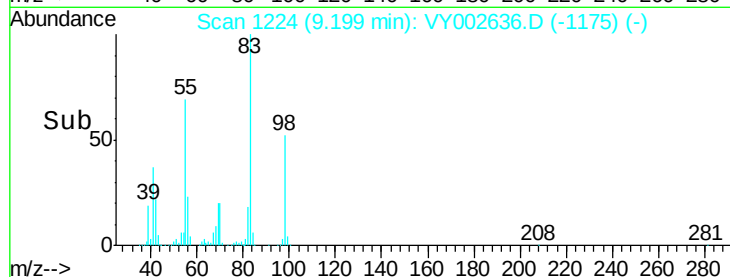
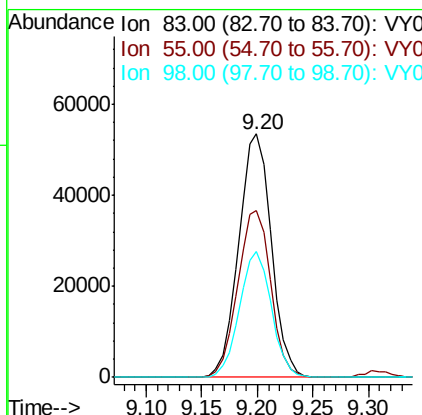
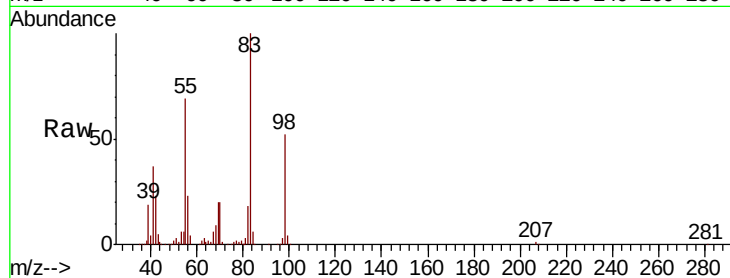
#39
Methylvlcyclohexane
Concen: 18.553 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.7	55.4	83.0
98	51.7	41.3	61.9

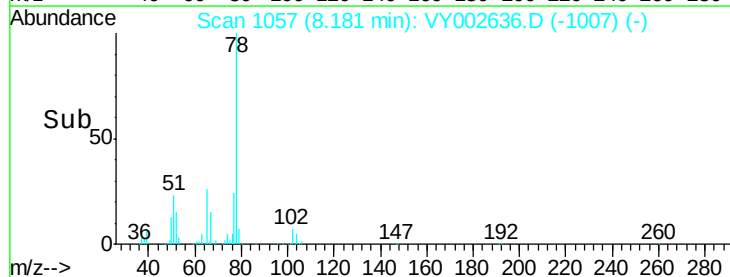
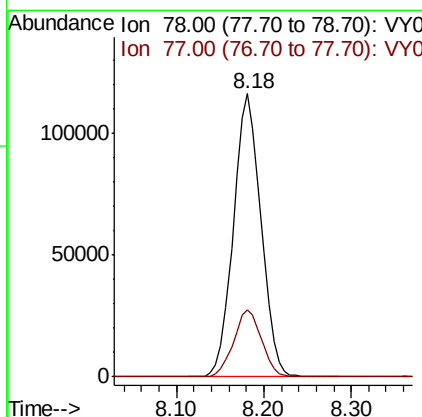
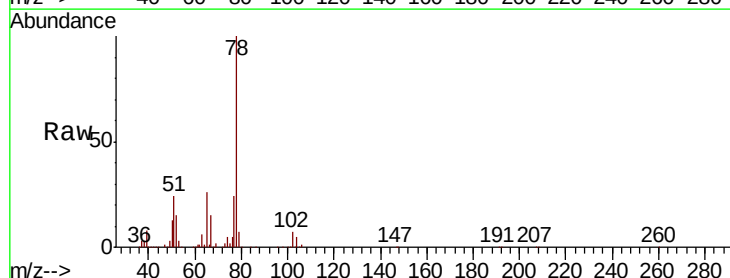
Manual Integrations
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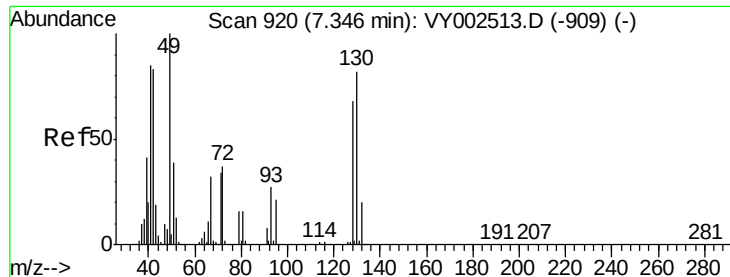
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#40
Benzene
Concen: 19.772 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





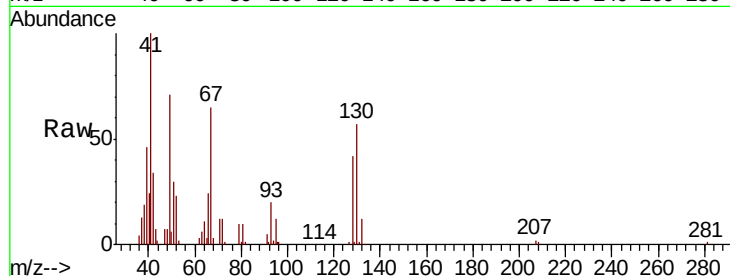
#41
Methacrylonitrile
Concen: 21.979 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

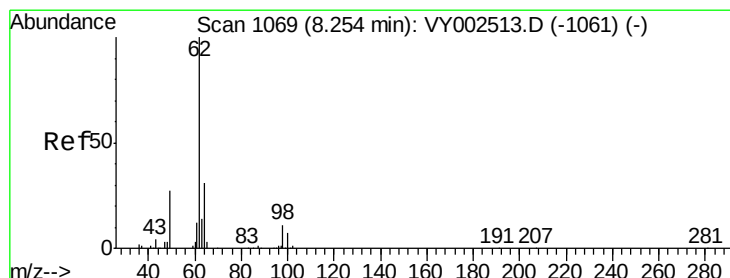
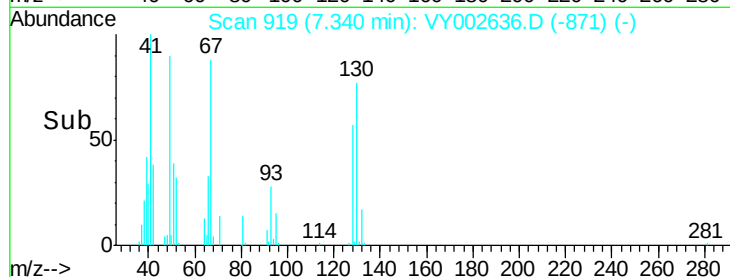
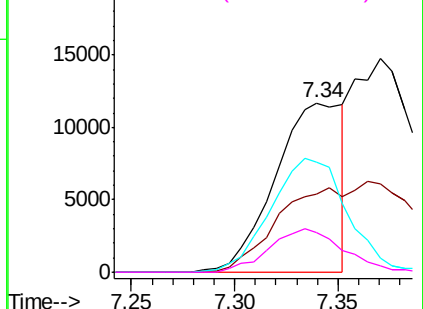
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	102.4	83.1	124.7	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

Manual Integrations
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5/11/2020 1:00:51 PM

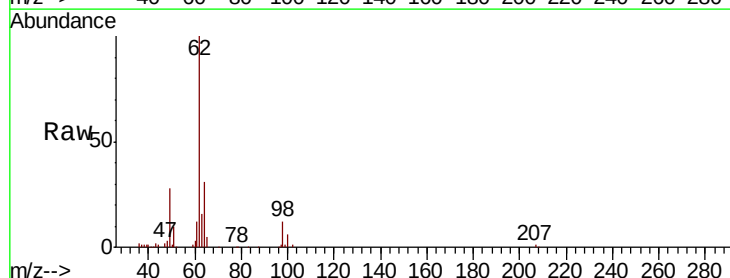


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

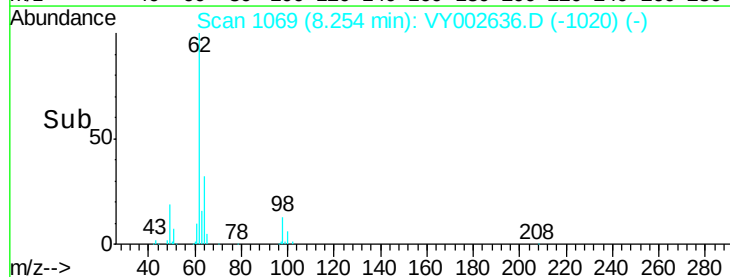
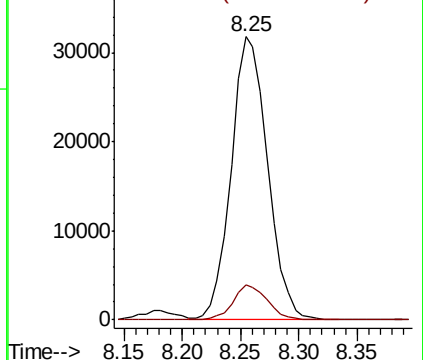


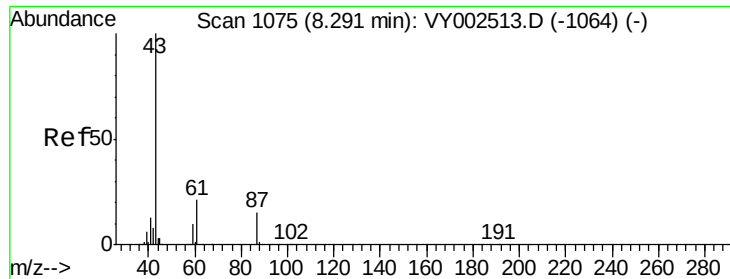
#42
1,2-Dichloroethane
Concen: 19.213 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.6	0.0	21.0	



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 19.927 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

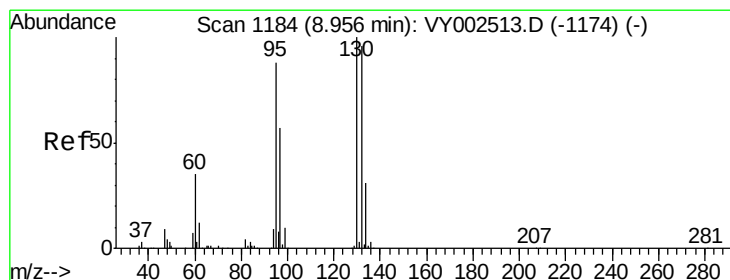
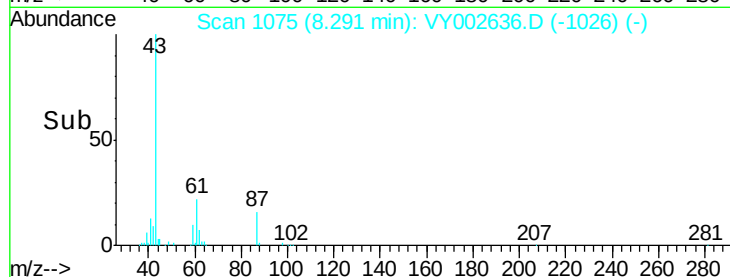
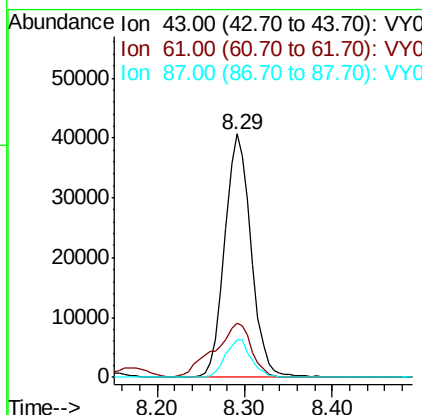
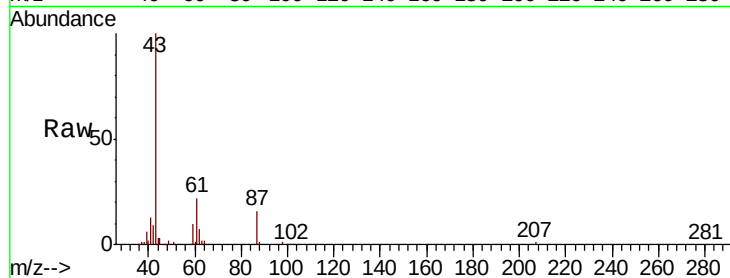
ClientSampleId :

VY0508SBS01

Tot Ion:	43	Resp:	85258
Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.8	37.2
87	15.1	12.2	18.2

Manual Integrations
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MMDadoda
5/11/2020 1:00:51 PM



#44

Trichloroethene

Concen: 20.533 ug/l

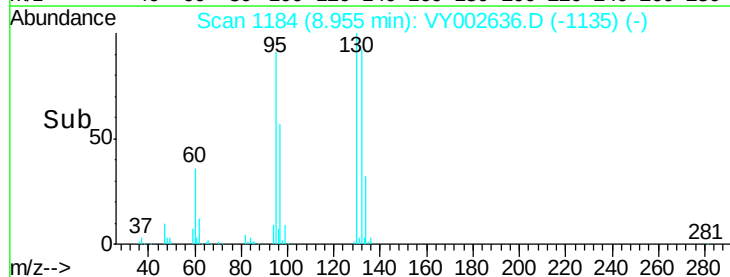
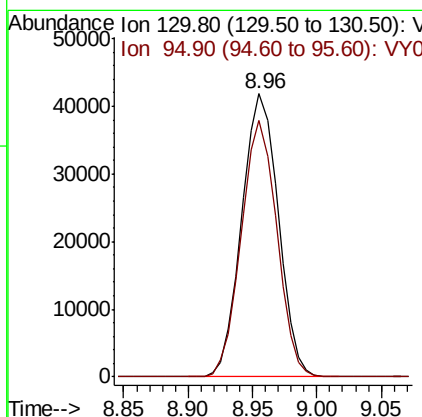
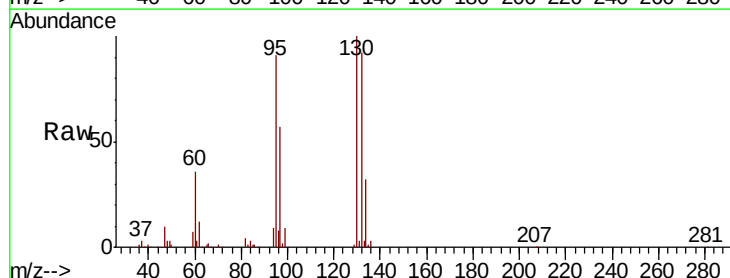
RT: 8.96 min Scan# 1184

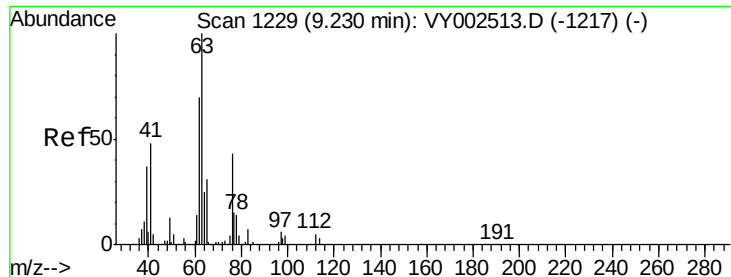
Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Tgt Ion:	130	Resp:	82309
Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	175.8





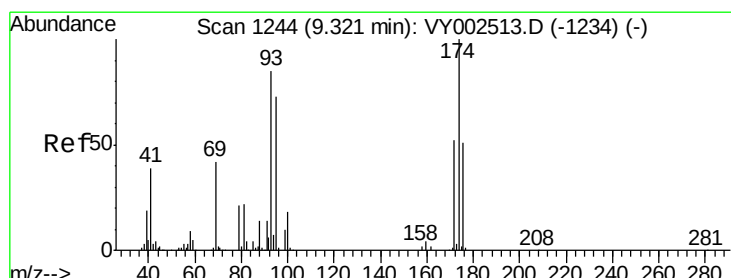
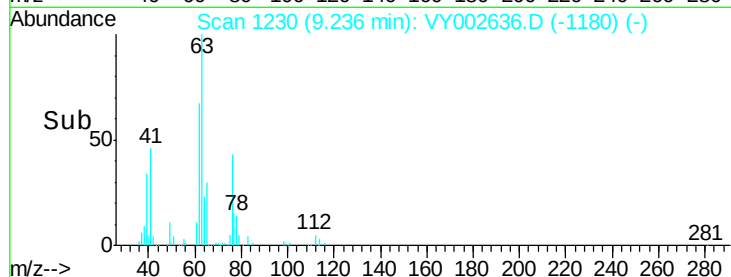
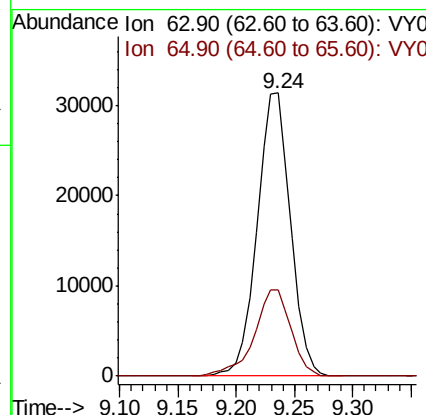
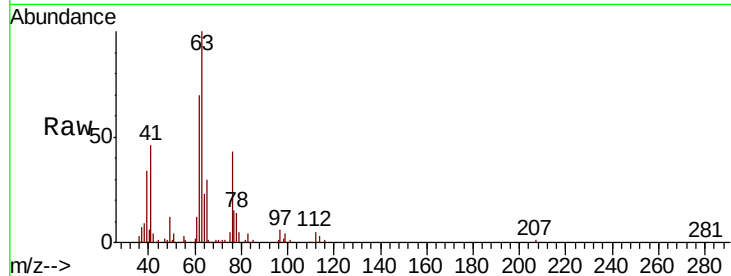
#45
 1,2-Dichloropropane
 Concen: 20.204 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.5	36.7

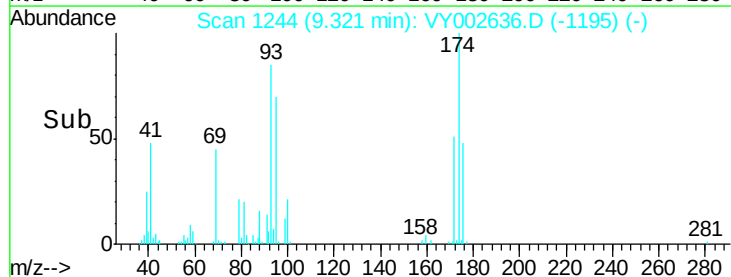
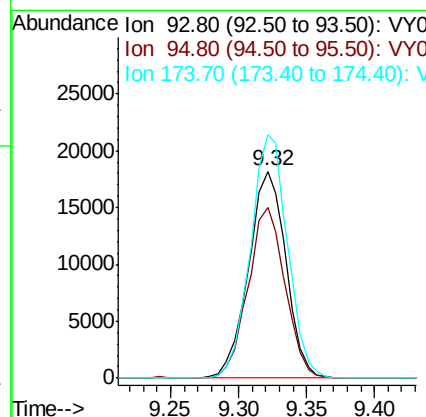
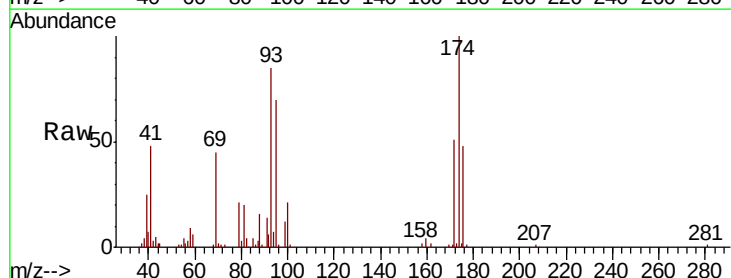
Manual Integrations
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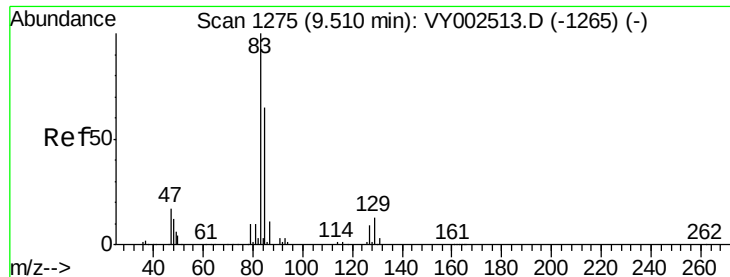
MMDadoda
 5/11/2020 1:00:51 PM



#46
 Dibromomethane
 Concen: 19.651 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	67.0	100.4
174	116.9	92.7	139.1





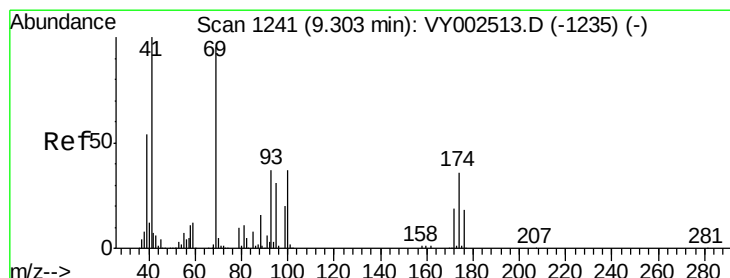
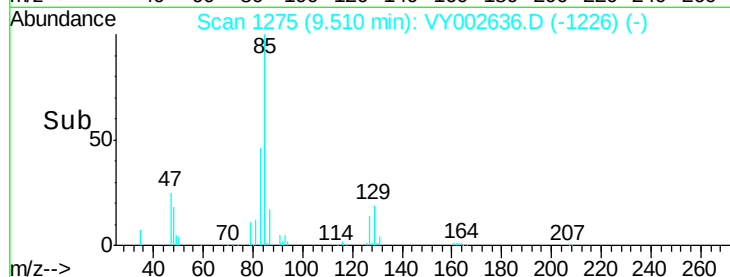
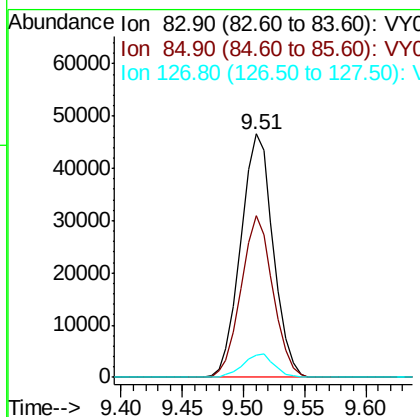
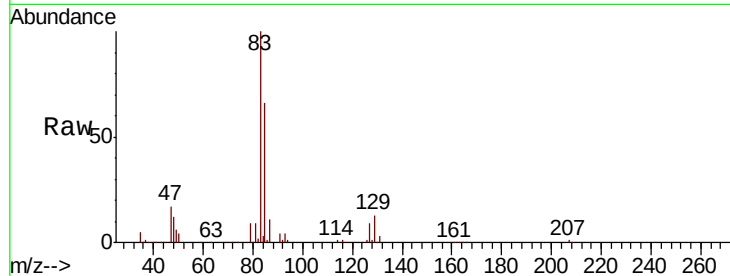
#47
Bromodichloromethane
Concen: 19.786 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.3	51.8	77.8	
127	9.2	7.4	11.0	

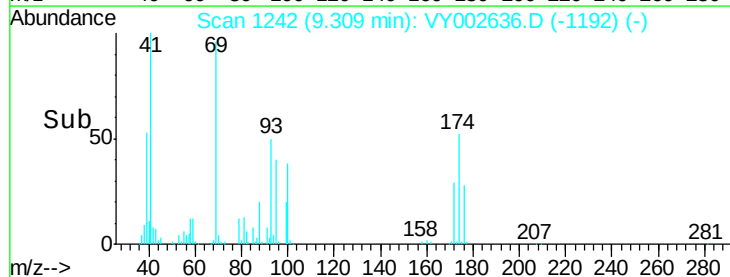
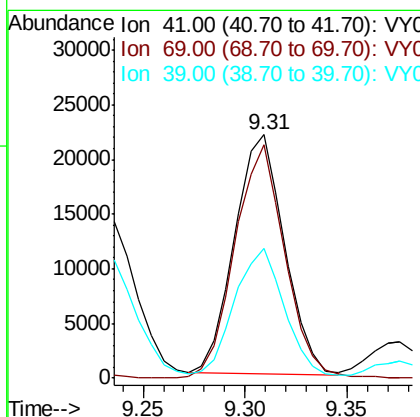
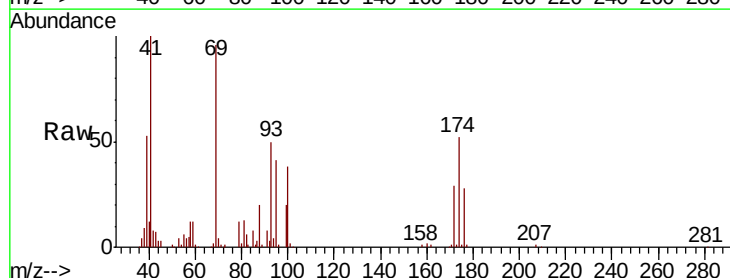
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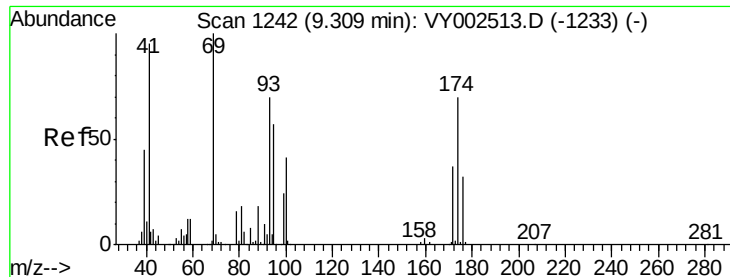
MMDadoda
5/11/2020 1:00:51 PM



#48
Methyl methacrylate
Concen: 19.207 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	98.3	76.2	114.4	
39	55.1	42.7	64.1	





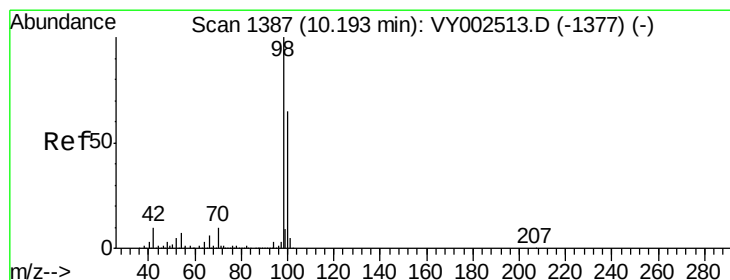
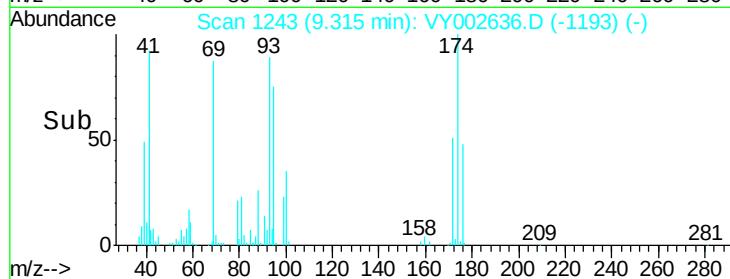
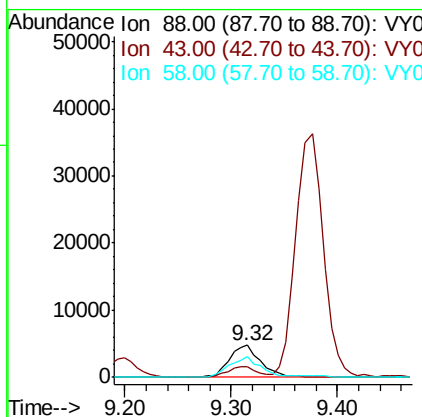
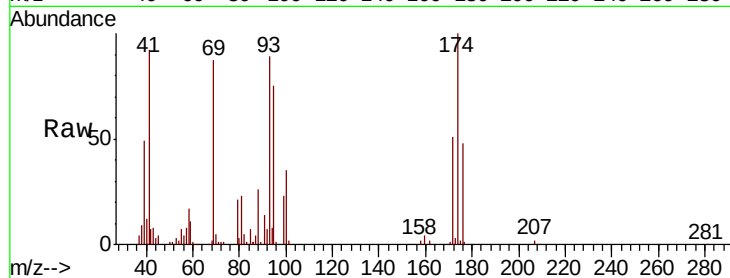
#49
1,4-Dioxane
Concen: 421.659 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.8	34.2
58	63.8	51.4	77.2

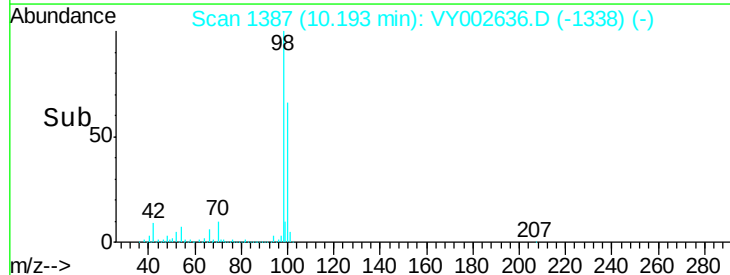
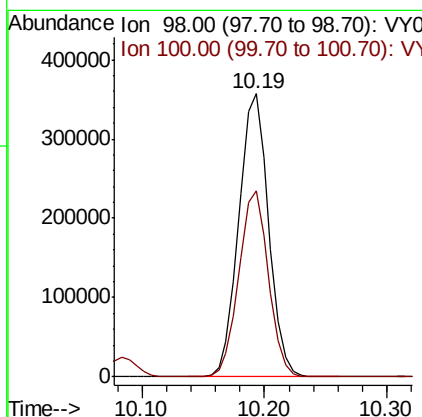
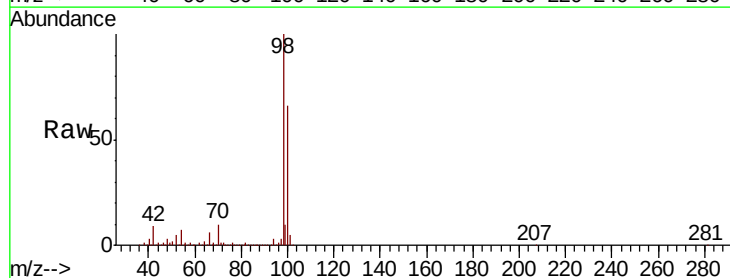
Manual Integrations
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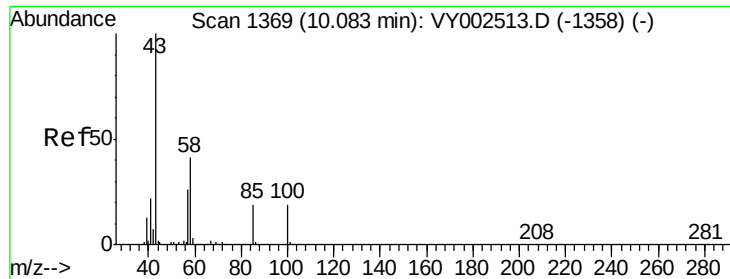
MMDadoda
5/11/2020 1:00:51 PM



#50
Toluene-d8
Concen: 50.874 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





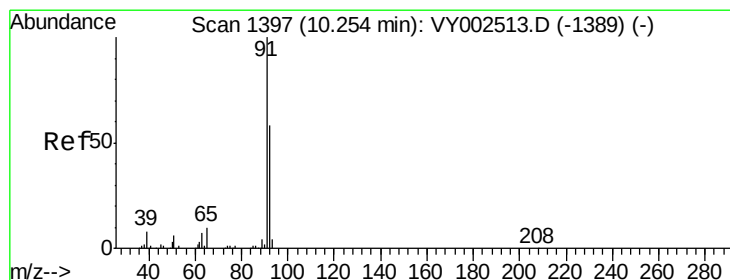
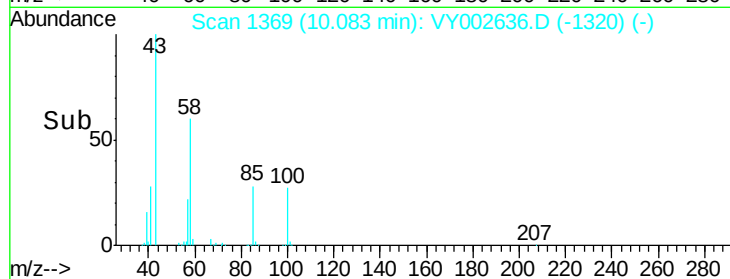
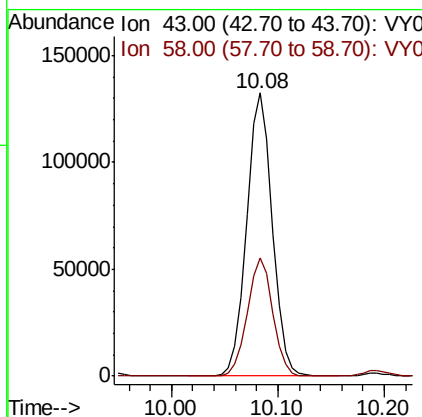
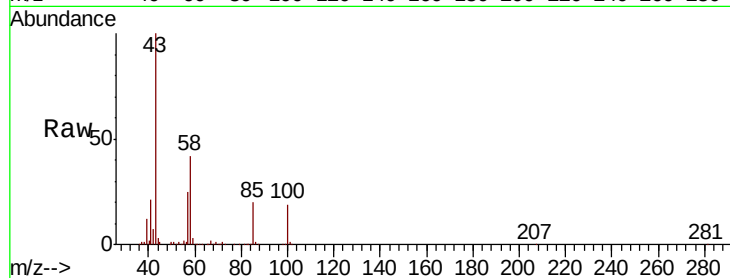
#51
4-Methyl-2-Pentanone
Concen: 101.633 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.4	33.2	49.8

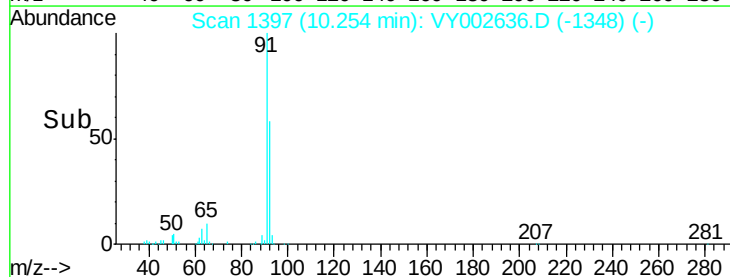
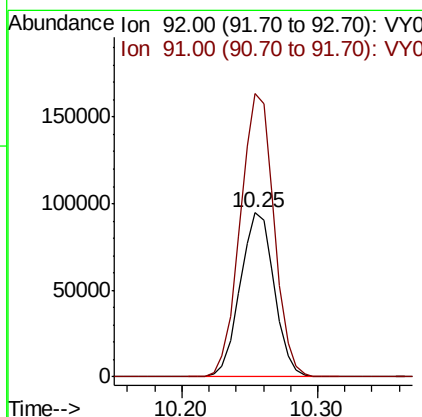
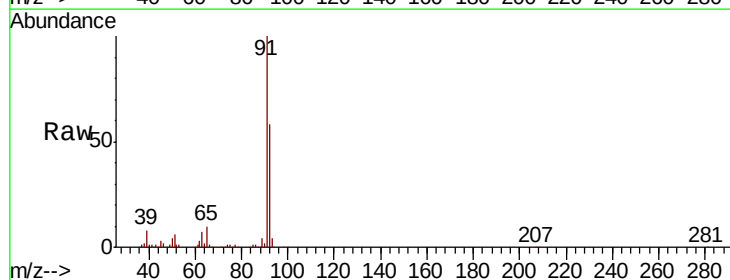
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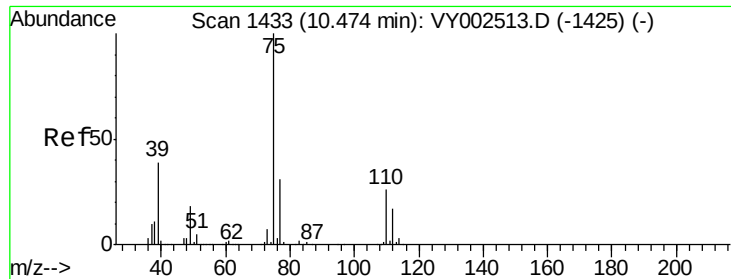
MMDadoda
5/11/2020 1:00:51 PM



#52
Toluene
Concen: 20.009 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.4	139.3	208.9





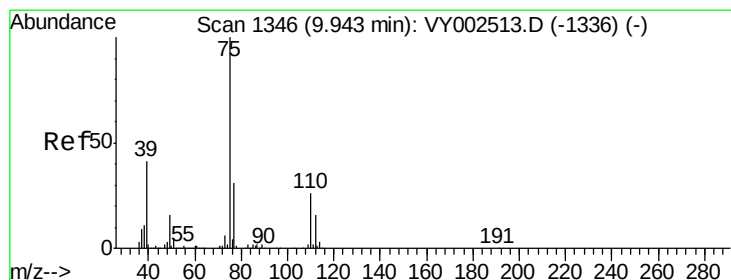
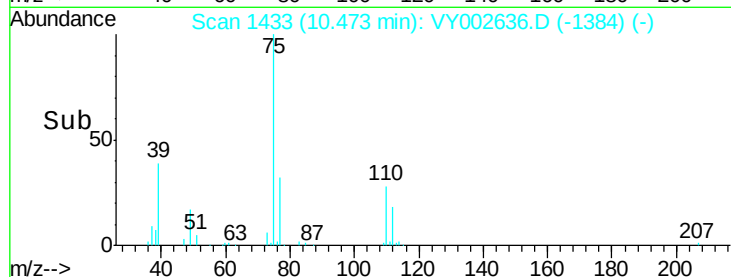
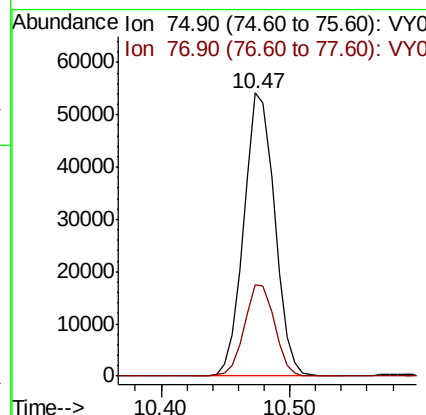
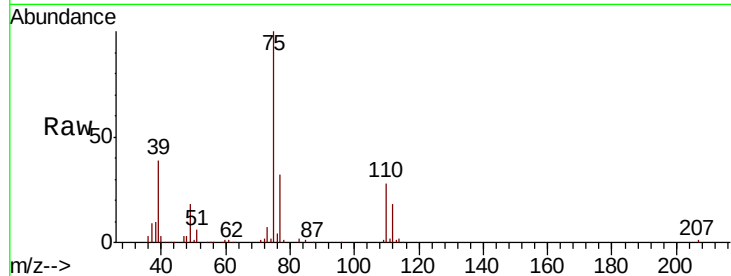
#53
t-1,3-Dichloropropene
Concen: 19.713 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBSD01

Tot Ion: 75 Resp: 89454
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.6

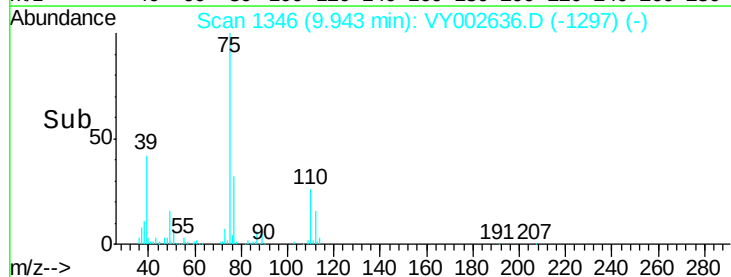
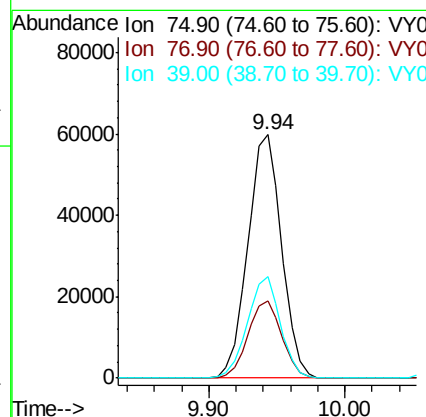
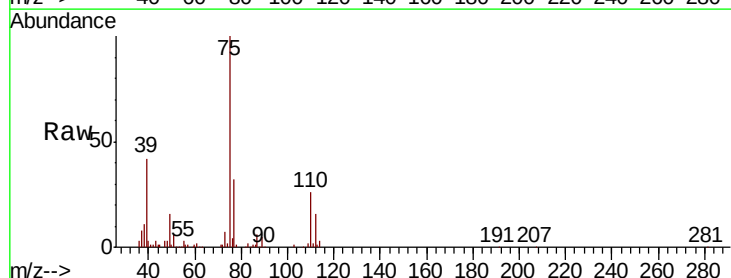
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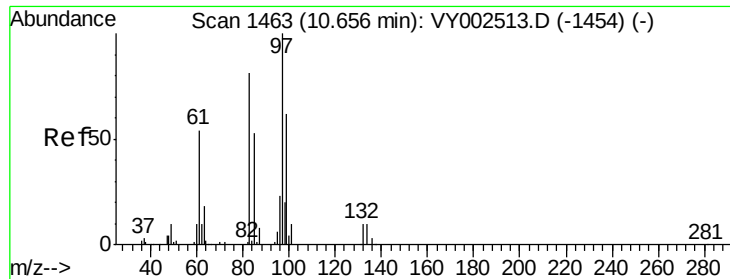
MMDadoda
5/11/2020 1:00:51 PM



#54
cis-1,3-Dichloropropene
Concen: 19.861 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion: 75 Resp: 104189
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 41.5 32.7 49.1





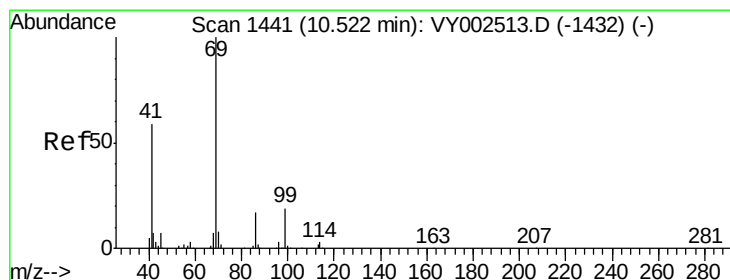
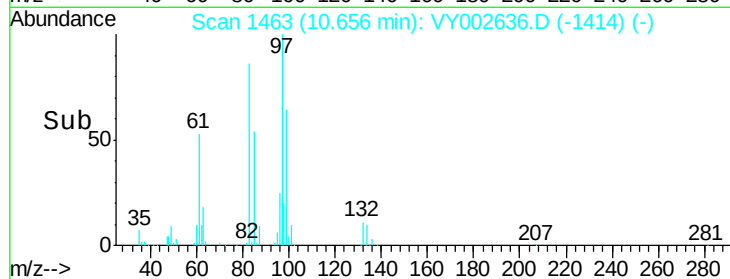
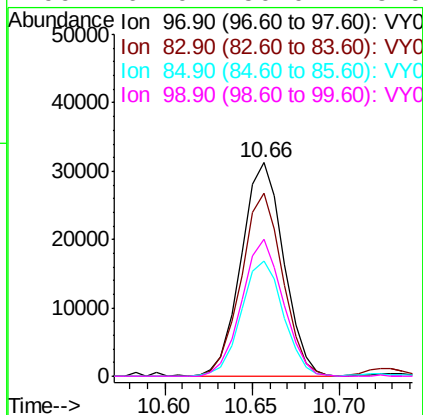
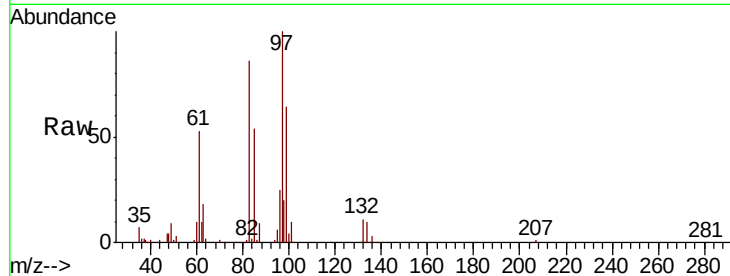
#55
 1,1,2-Trichloroethane
 Concen: 20.261 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.8	65.1	97.7
85	54.1	42.7	64.1
99	64.0	50.0	75.0

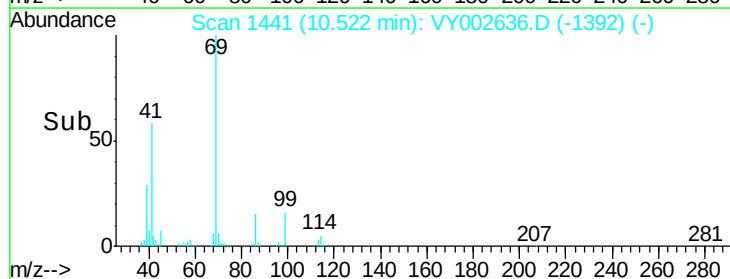
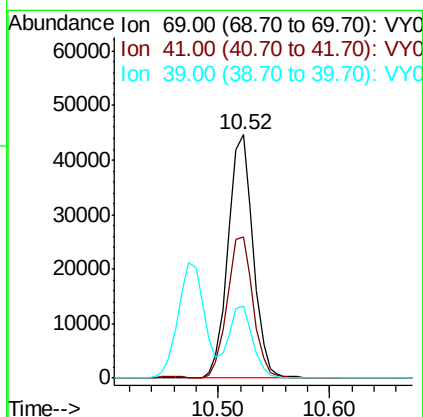
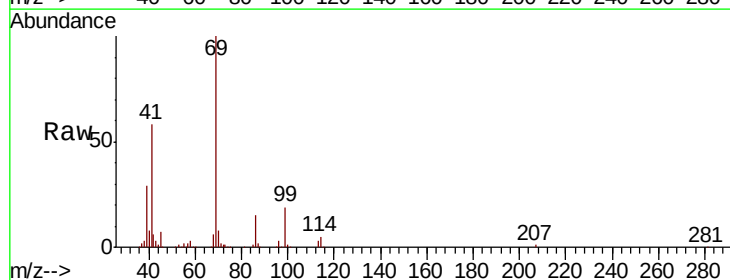
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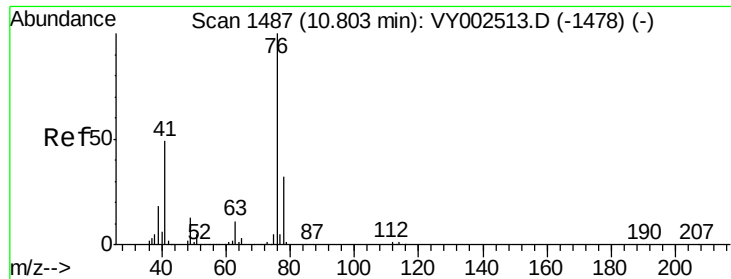
MMDadoda
 5/11/2020 1:00:51 PM



#56
 Ethyl methacrylate
 Concen: 20.068 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.1	48.6	73.0
39	29.0	25.0	37.4





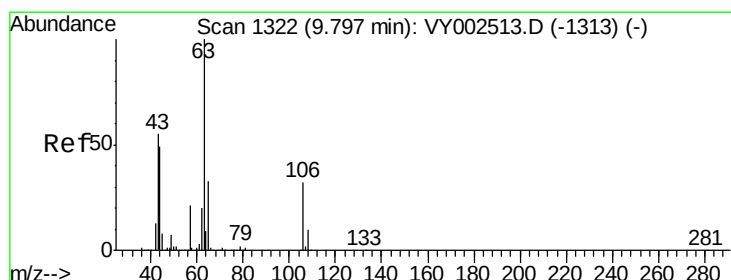
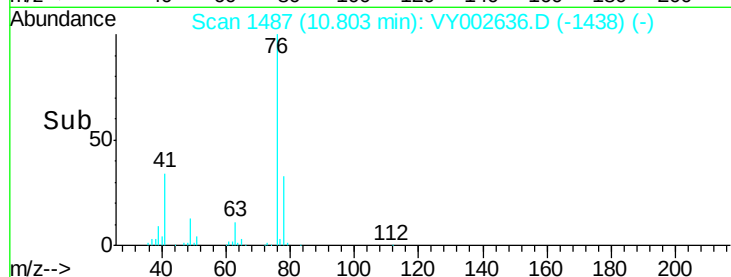
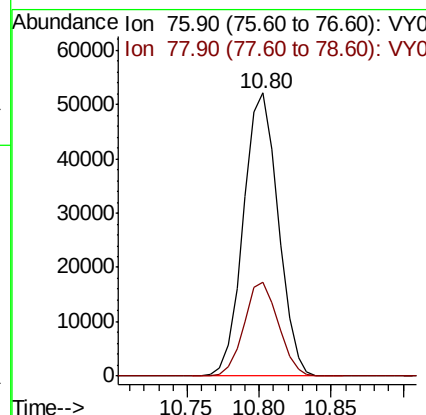
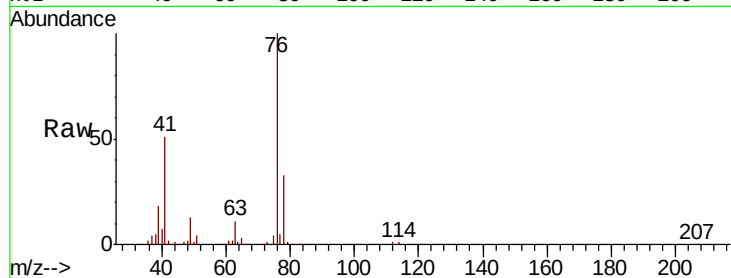
#57
 1,3-Dichloropropane
 Concen: 19.822 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.4	38.2

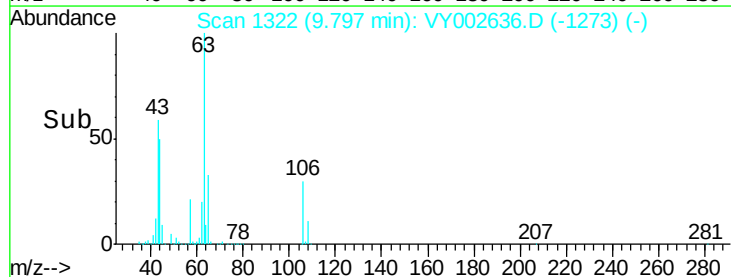
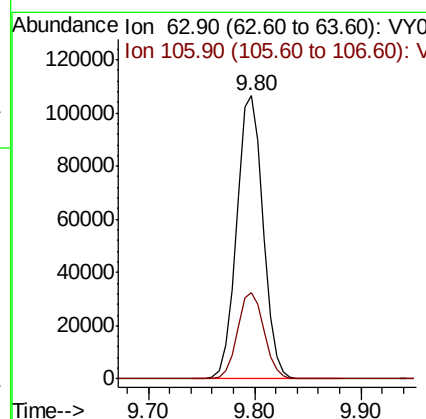
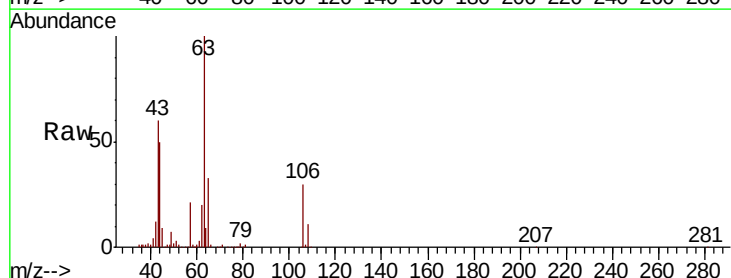
Manual Integrations
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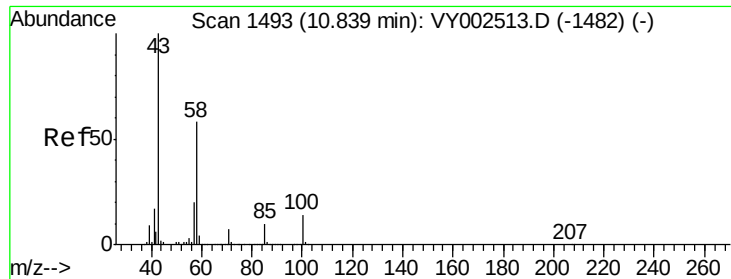
MMDadoda
 5/11/2020 1:00:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.305 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	25.2	37.8





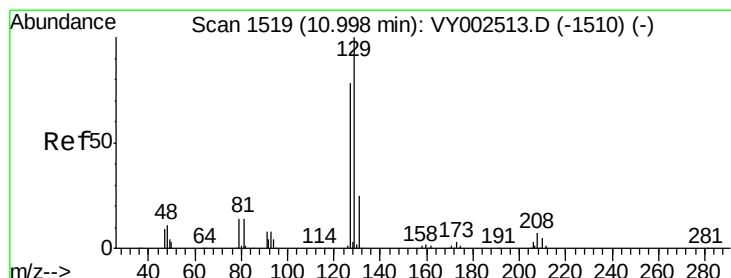
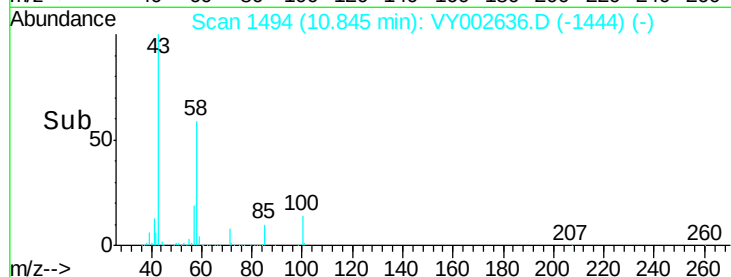
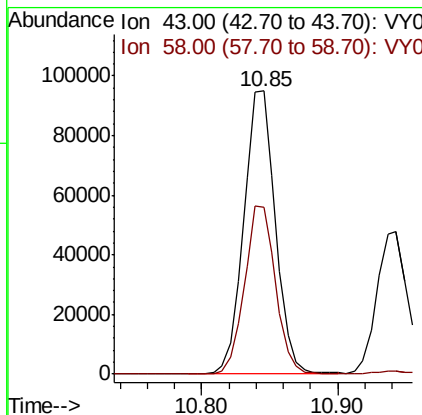
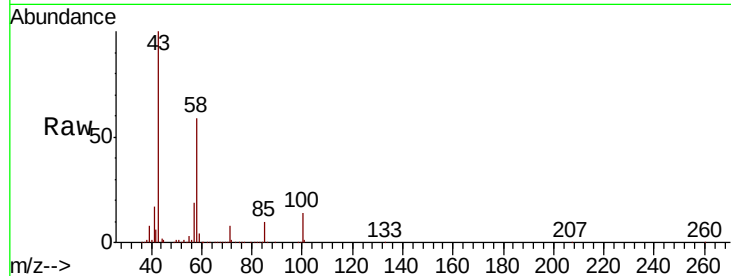
#59
2-Hexanone
Concen: 101.782 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion: 43 Resp: 154488
Ion Ratio Lower Upper
43 100
58 58.4 29.1 87.3

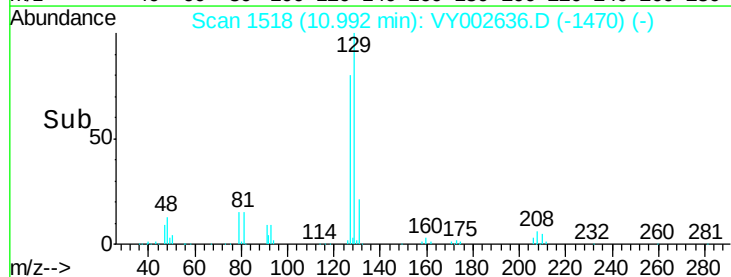
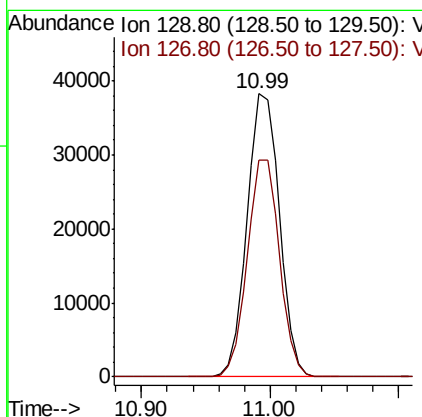
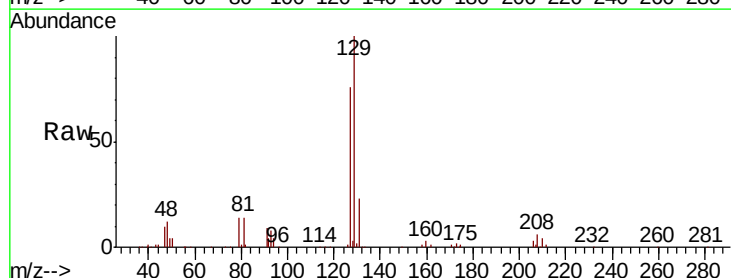
Manual Integrations
APPROVED

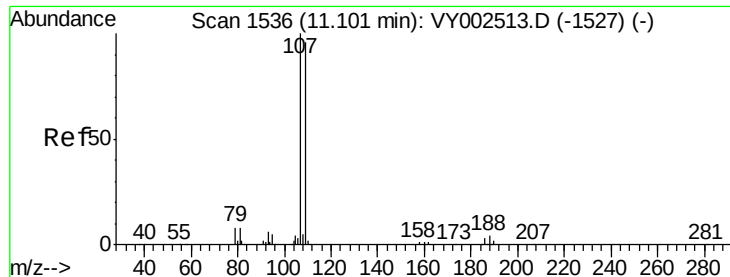
MMDadoda
5/11/2020 1:00:51 PM



#60
Dibromochloromethane
Concen: 20.104 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion: 129 Resp: 66416
Ion Ratio Lower Upper
129 100
127 76.1 39.0 117.0





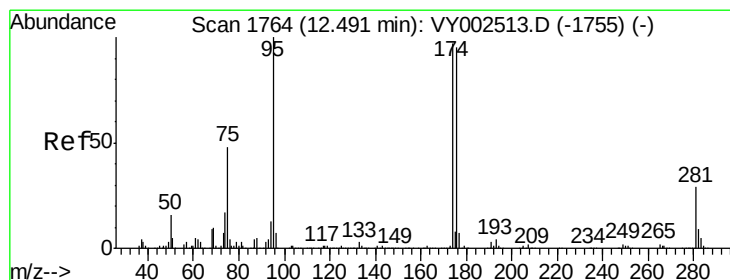
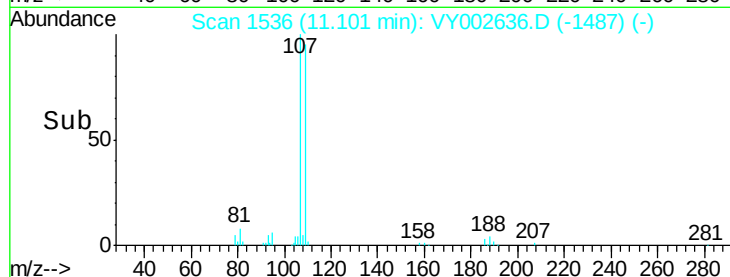
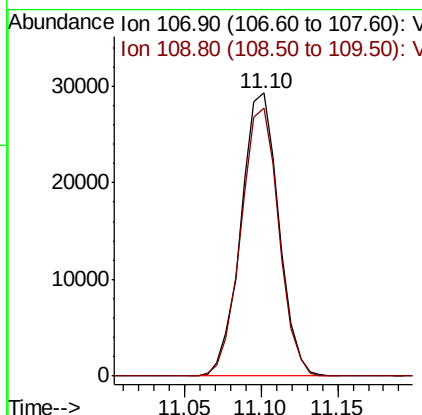
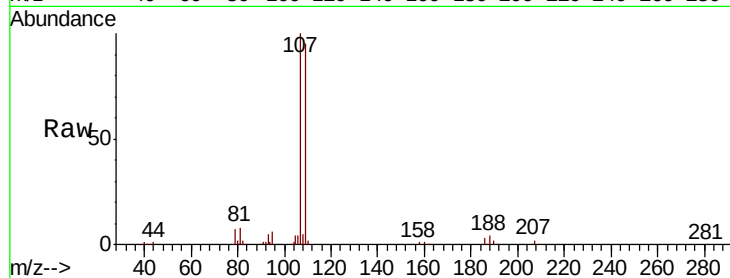
#61
 1,2-Dibromoethane
 Concen: 19.509 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.8	113.8

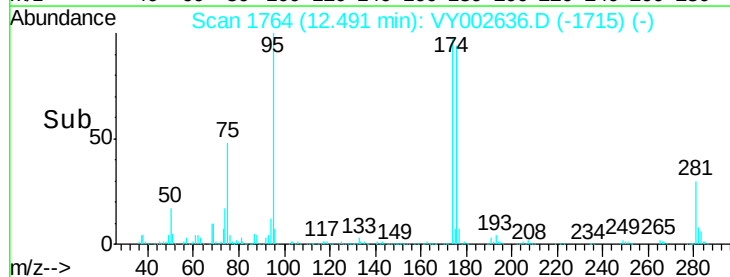
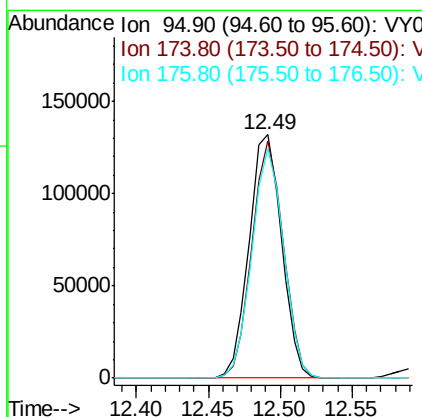
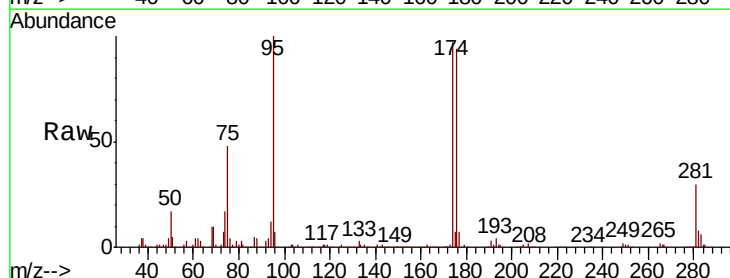
Manual Integrations
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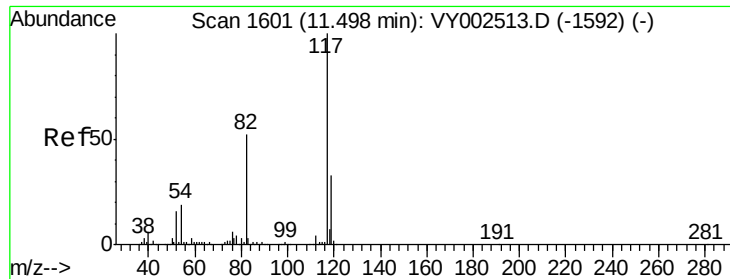
MMDadoda
 5/11/2020 1:00:51 PM



#62
 4-Bromofluorobenzene
 Concen: 51.380 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	188.8
176	91.3	0.0	183.2





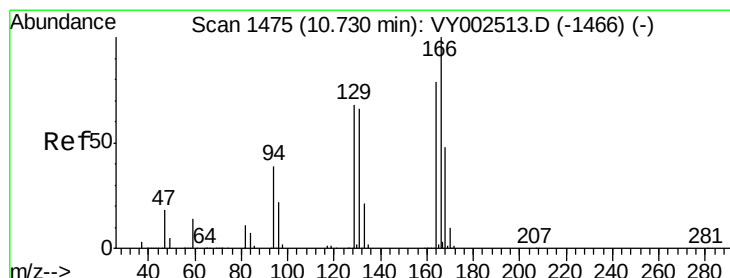
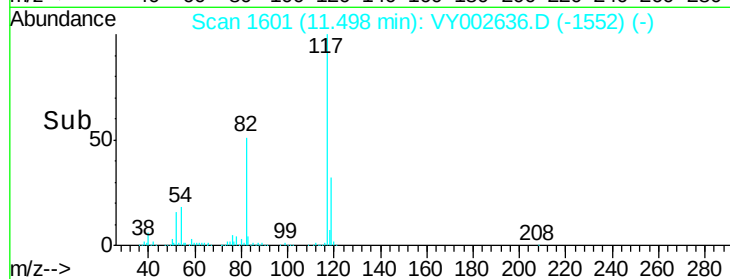
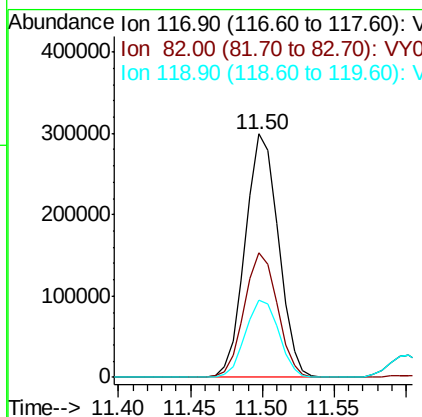
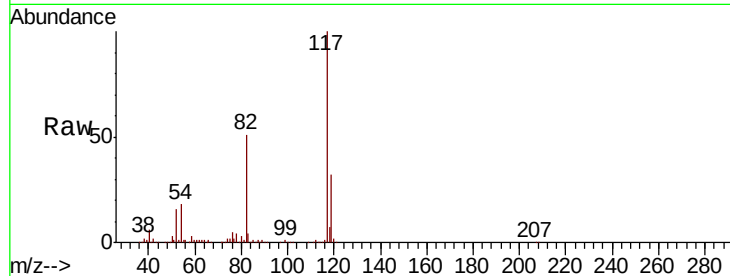
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.3	61.9
119	32.0	26.0	39.0

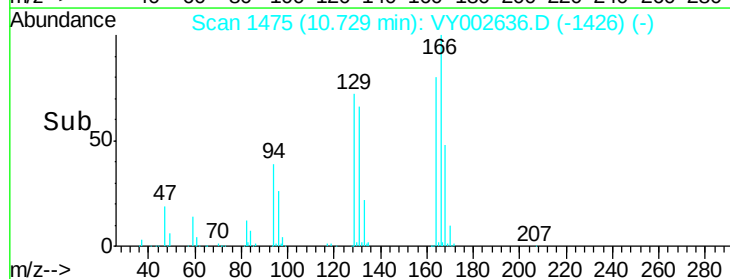
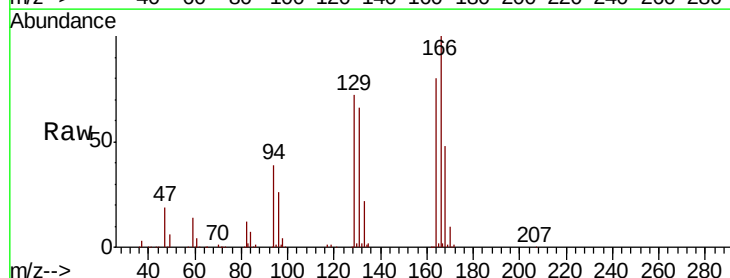
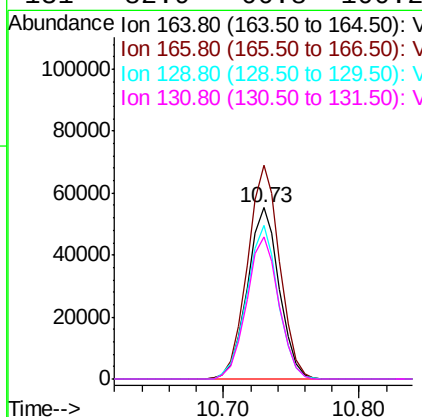
Manual Integrations
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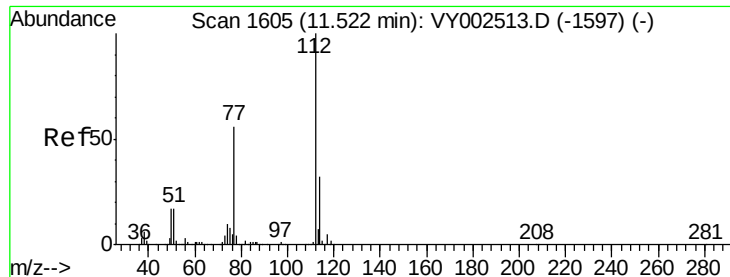
MMDadoda
5/11/2020 1:00:51 PM



#64
Tetrachloroethene
Concen: 21.322 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	100.7	151.1
129	89.5	68.3	102.5
131	82.9	66.8	100.2





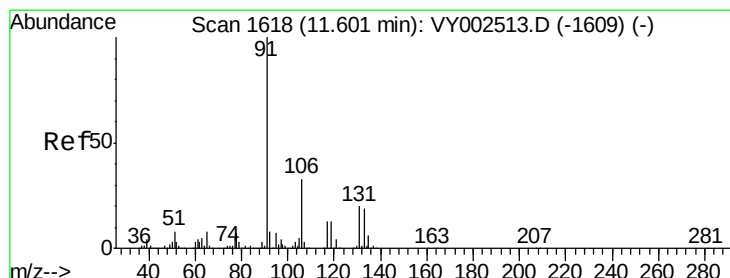
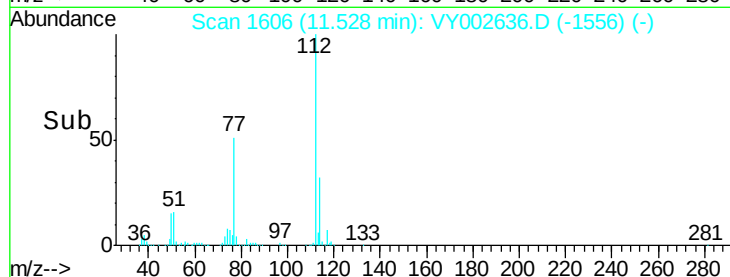
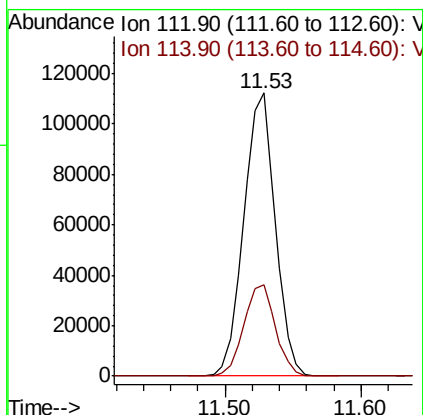
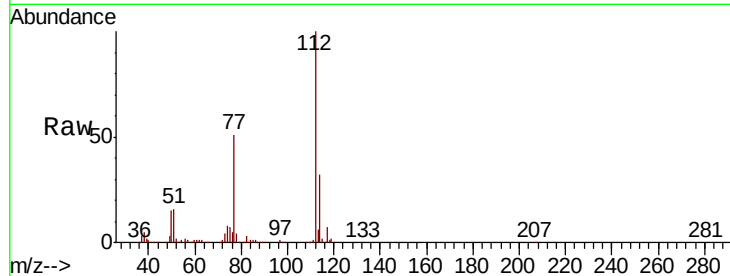
#65
Chlorobenzene
Concen: 19.983 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

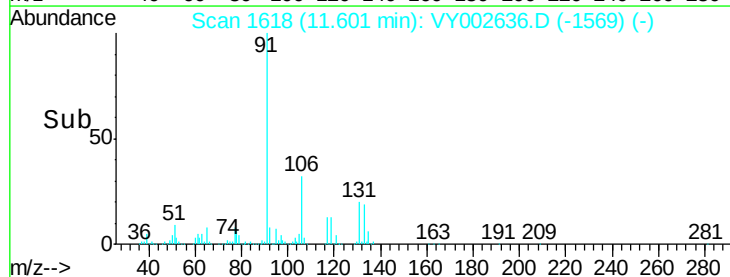
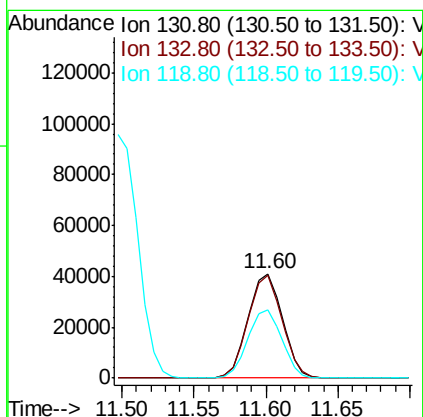
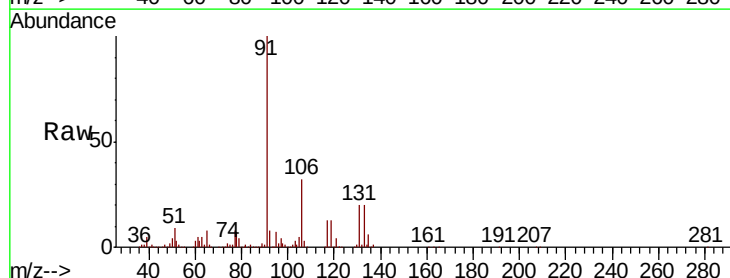
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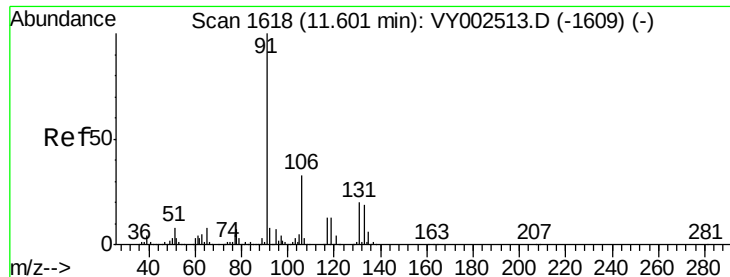
MMDadoda
5/11/2020 1:00:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.040 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	48.1	144.4
119	65.3	31.6	95.0





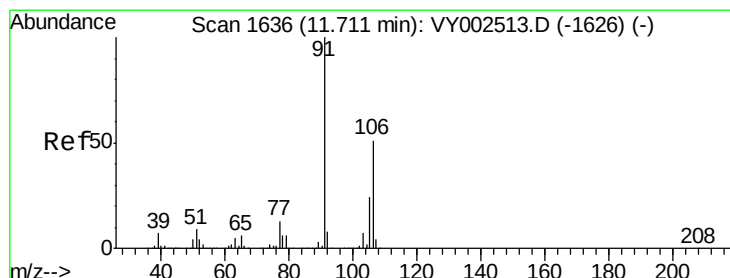
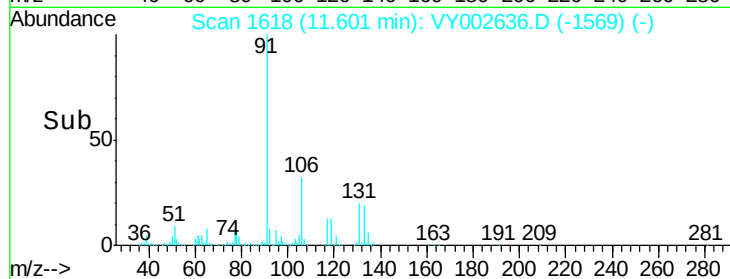
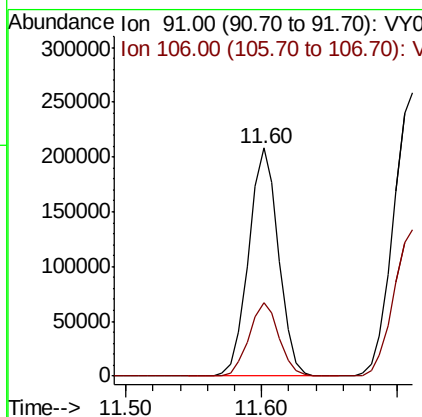
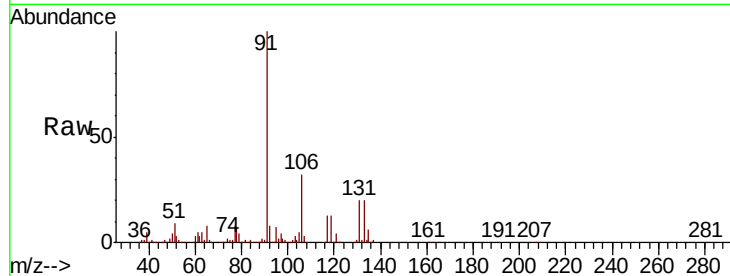
#67
Ethyl Benzene
Concen: 20.067 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion: 91 Resp: 320428
Ion Ratio Lower Upper
91 100
106 32.5 26.1 39.1

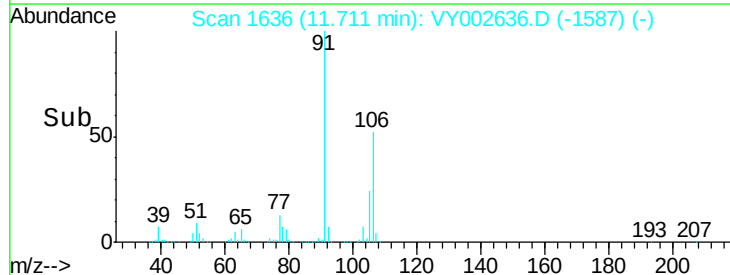
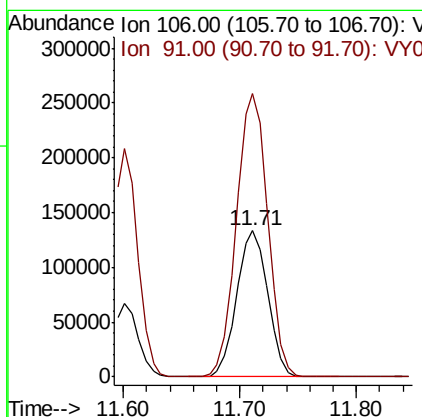
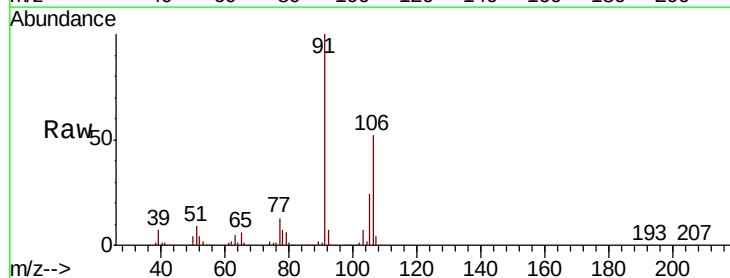
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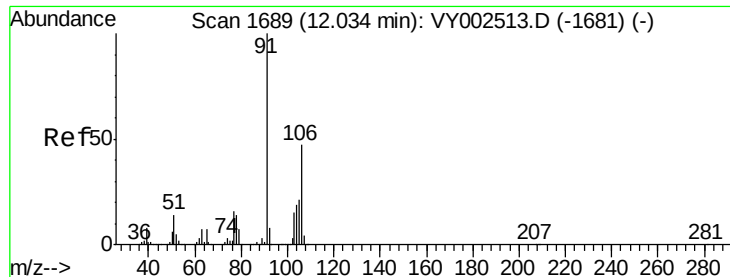
MMDadoda
5/11/2020 1:00:51 PM



#68
m/p-Xylenes
Concen: 40.123 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion: 106 Resp: 247897
Ion Ratio Lower Upper
106 100
91 194.6 155.2 232.8





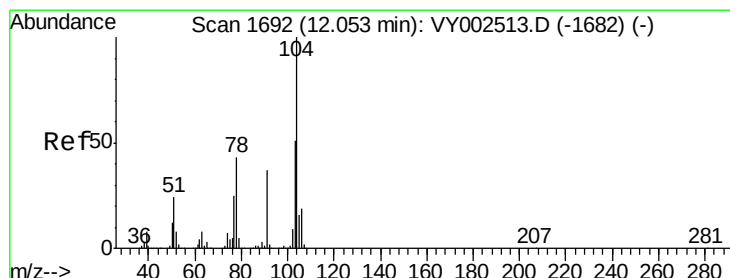
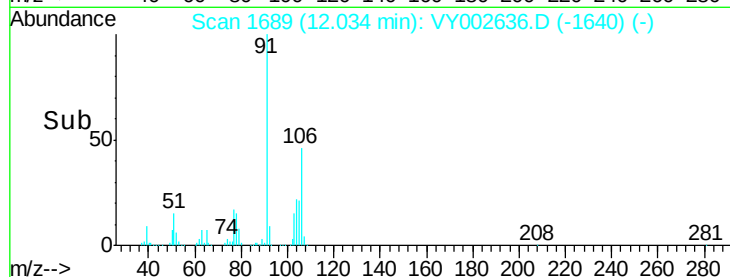
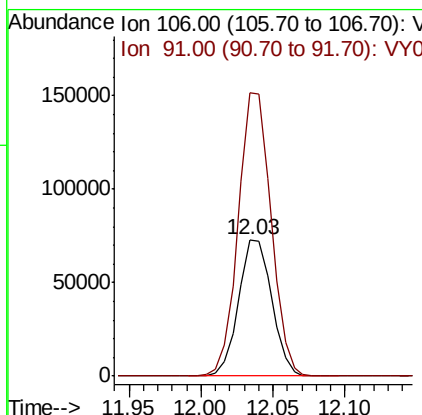
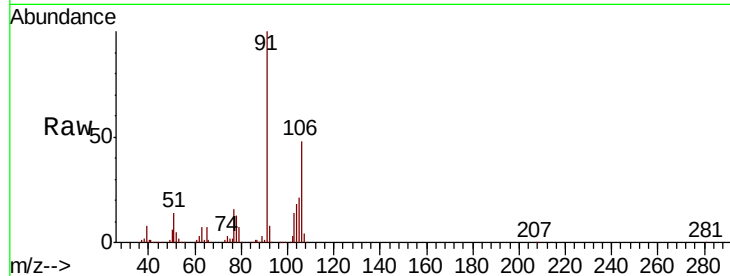
#69
o-Xylene
Concen: 20.210 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	116914		
91	91	205.4	103.8	311.3	

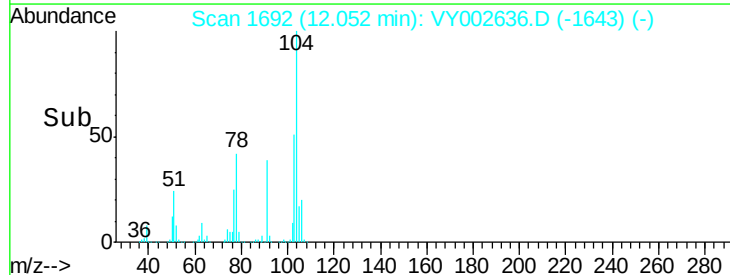
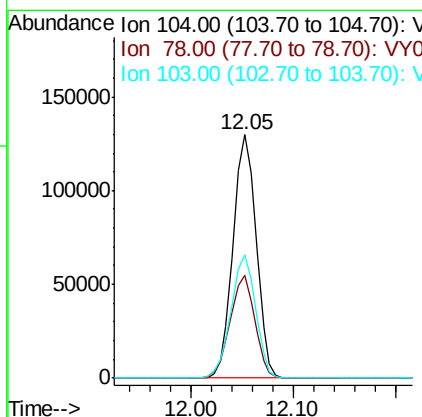
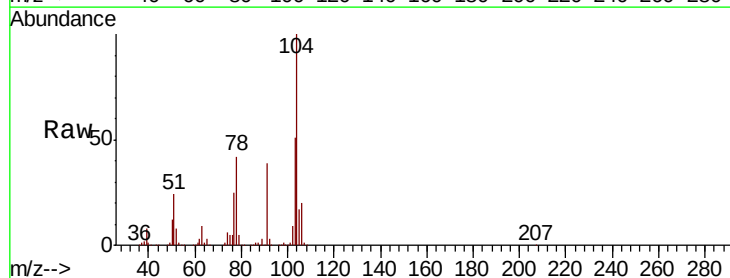
Manual Integrations
APPROVED

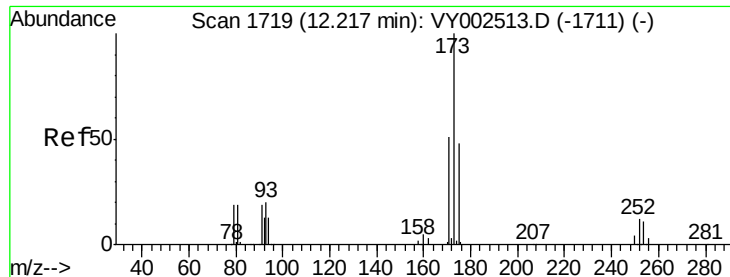
MMDadoda
5/11/2020 1:00:51 PM



#70
Styrene
Concen: 20.524 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	202970		
78	78	45.3	37.4	56.0	
103	103	53.8	43.9	65.9	





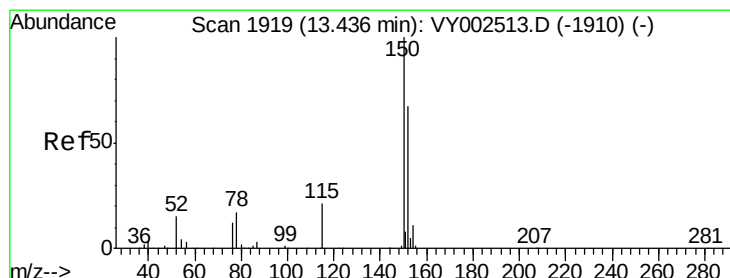
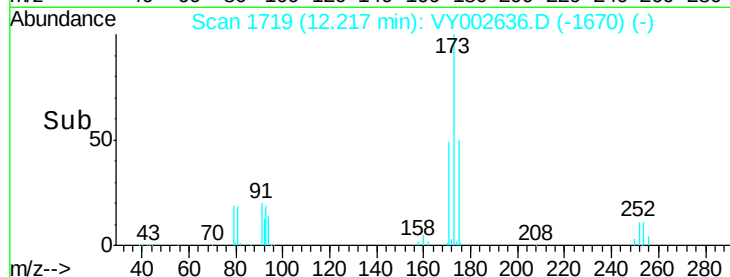
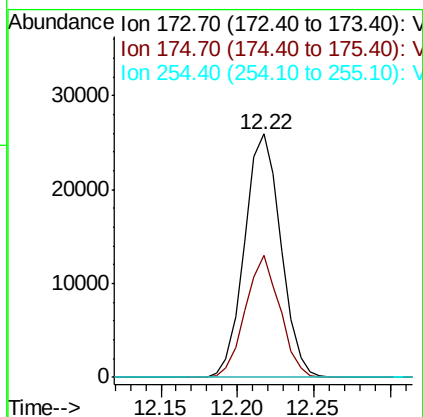
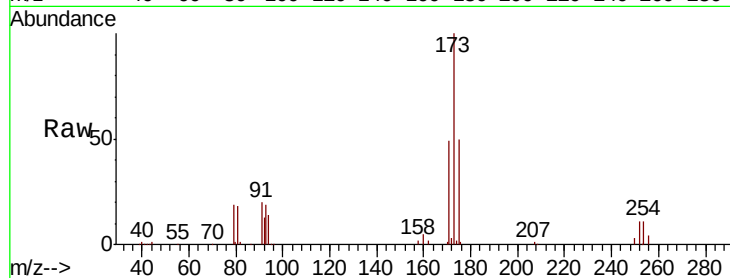
#71
Bromoform
Concen: 20.423 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.8
254	0.0	0.2	0.2

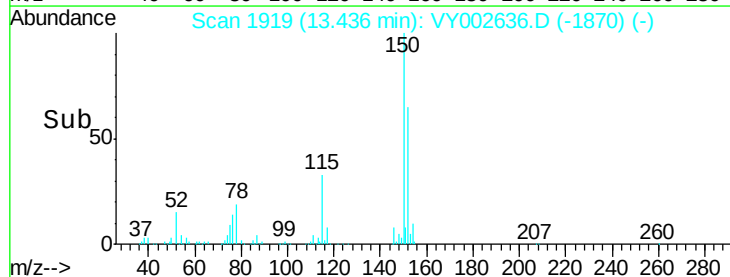
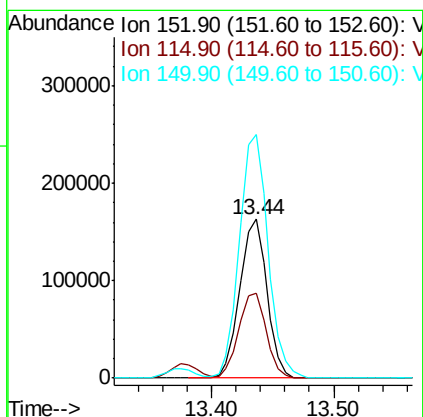
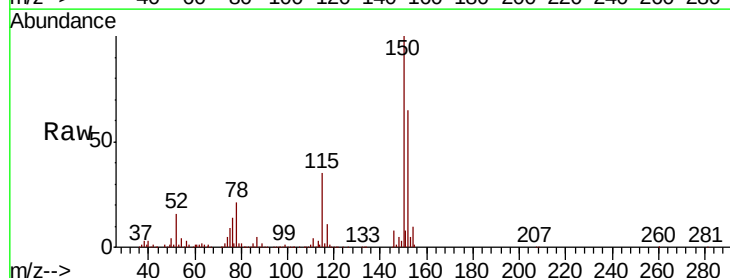
Manual Integrations
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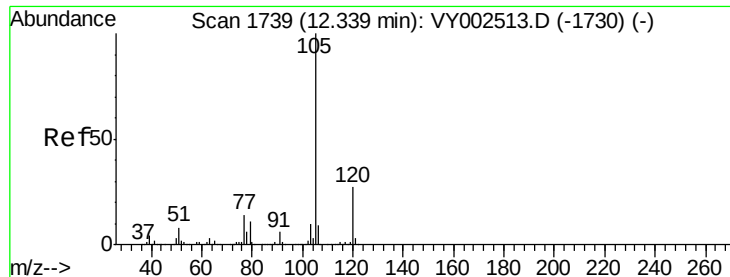
MMDadoda
5/11/2020 1:00:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.5	82.4
150	161.6	0.0	346.4





#73

Isopropylbenzene

Concen: 19.605 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0508SBS01

Tot Ion:105 Resp: 318747

Ion Ratio Lower Upper

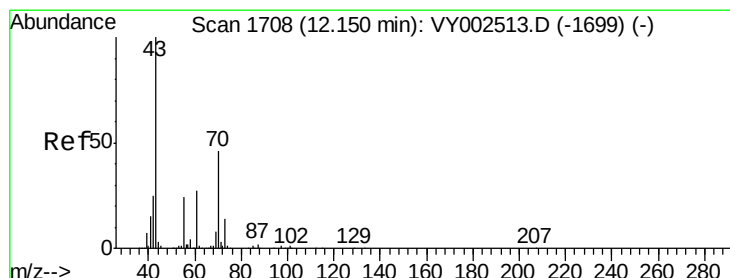
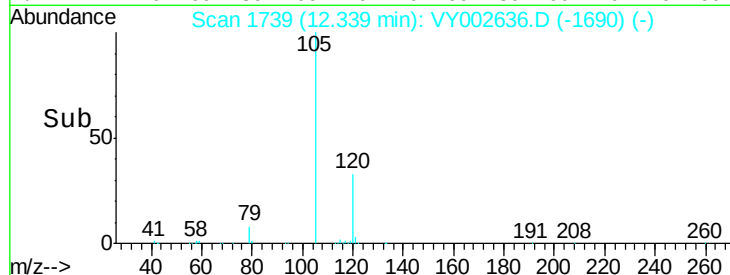
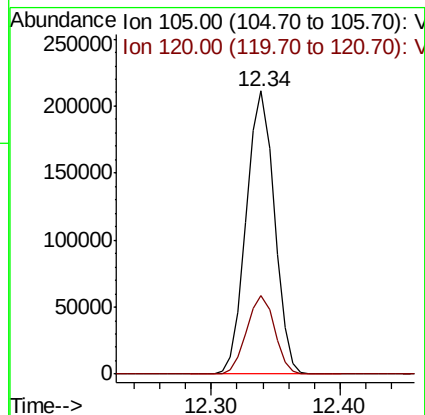
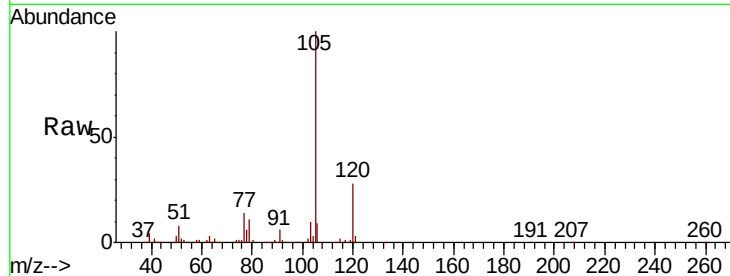
105 100

120 27.6 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.029 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Tgt Ion: 43 Resp: 78335

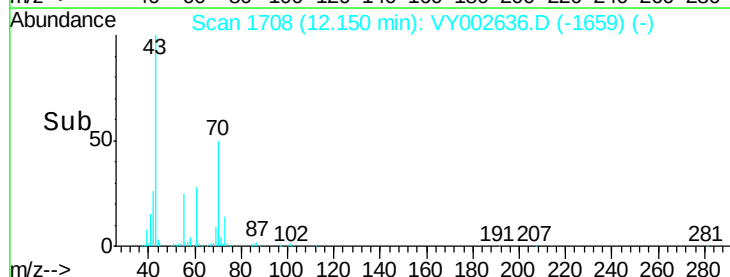
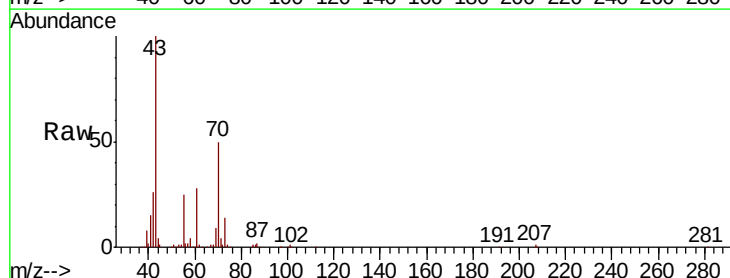
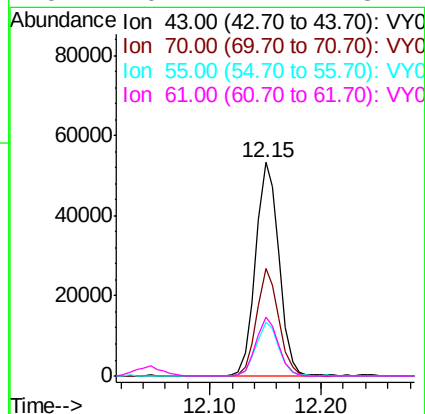
Ion Ratio Lower Upper

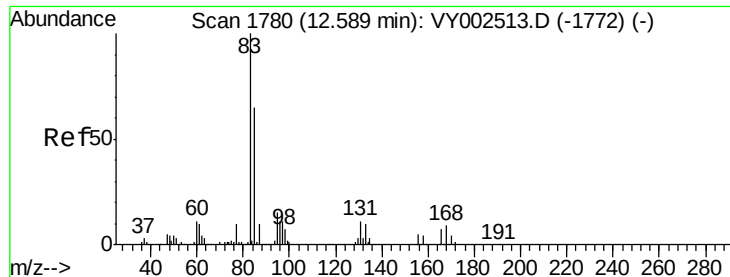
43 100

70 47.5 36.7 55.1

55 24.6 19.2 28.8

61 26.4 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.405 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

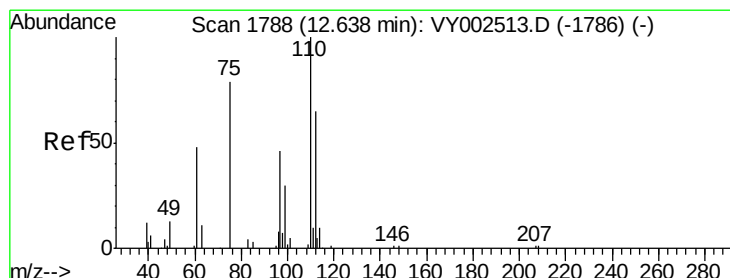
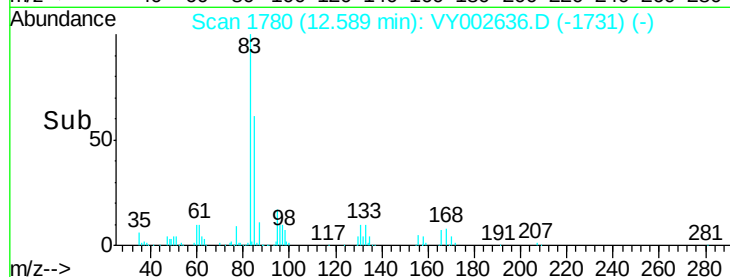
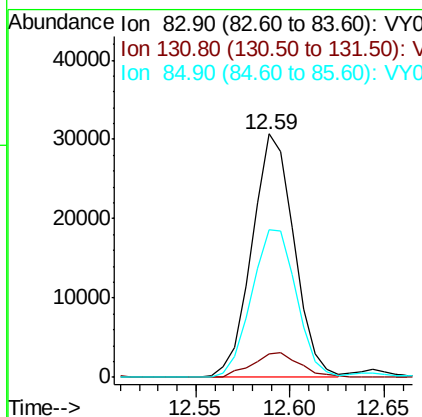
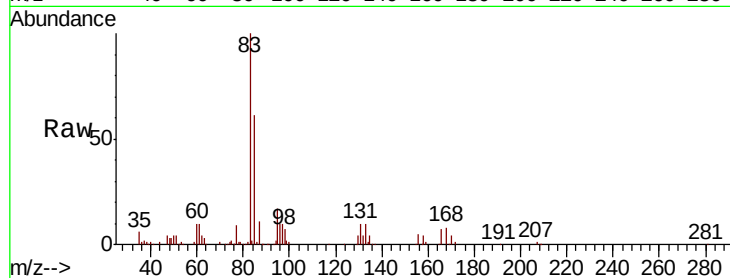
ClientSampleId :

VY0508SBSD01

Tot Ion:	83	Resp:	47591
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.8
85	64.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 17.457 ug/l m

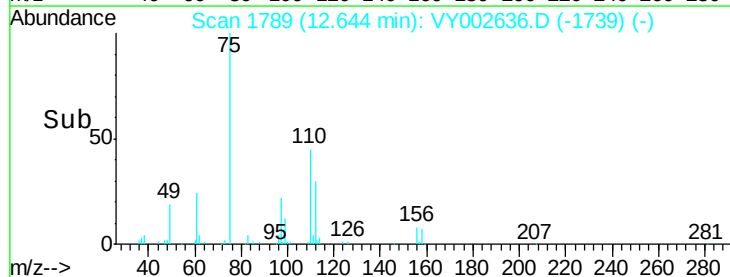
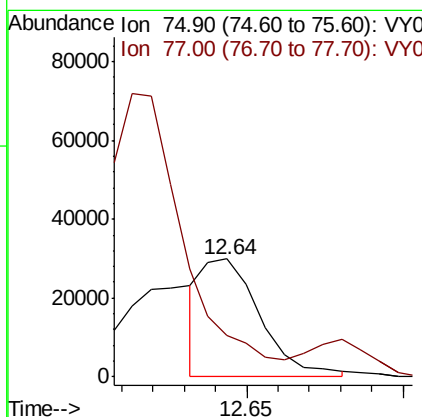
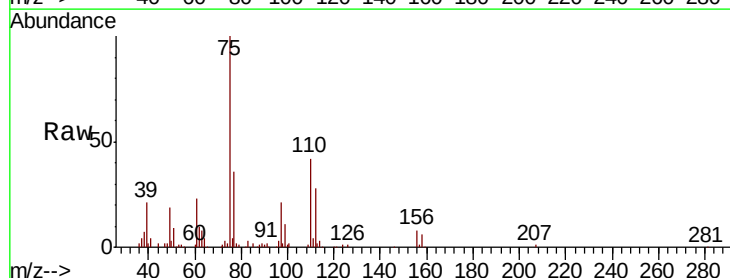
RT: 12.64 min Scan# 1789

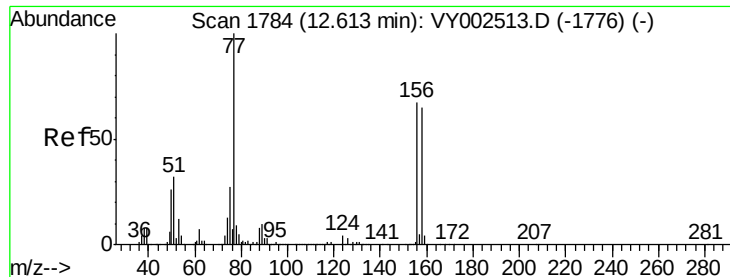
Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Tgt Ion:	75	Resp:	38918
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.840 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0508SBS01

Tot Ion:156 Resp: 80593

Ion Ratio Lower Upper

156 100

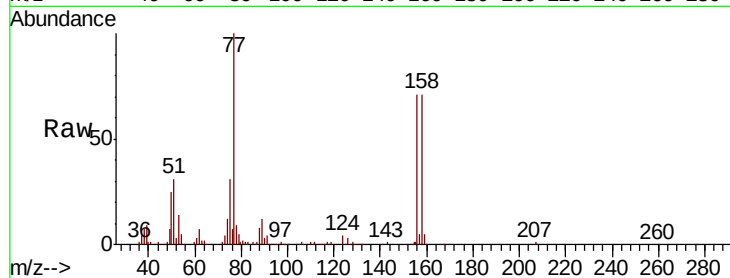
77 162.8 82.0 245.8

158 96.7 48.5 145.6

Manual Integrations
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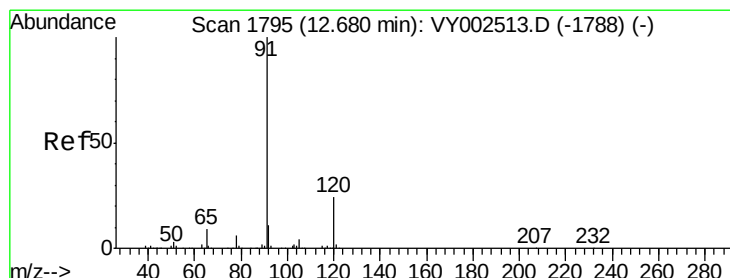
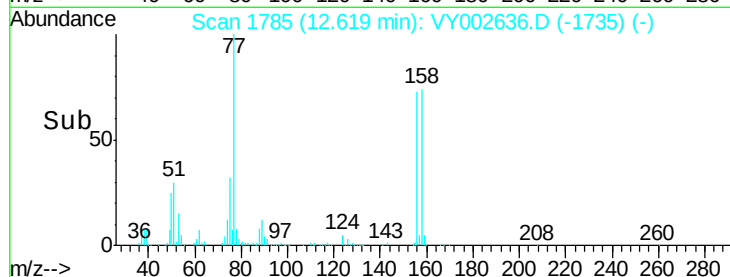
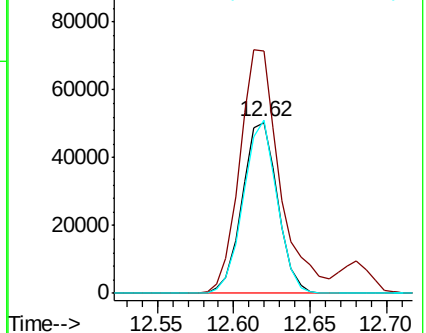
5/11/2020 1:00:51 PM



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: 19.773 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002636.D

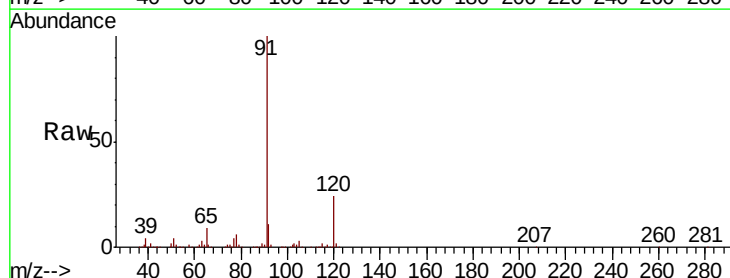
Acq: 08 May 2020 12:46

Tgt Ion: 91 Resp: 373071

Ion Ratio Lower Upper

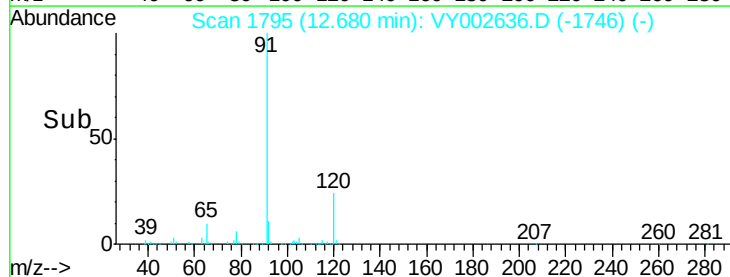
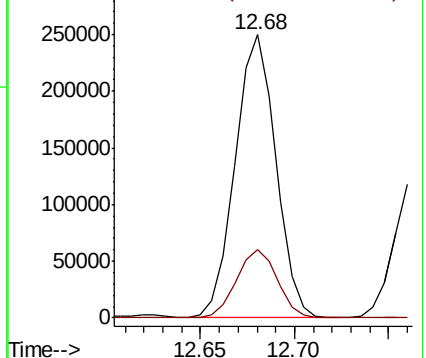
91 100

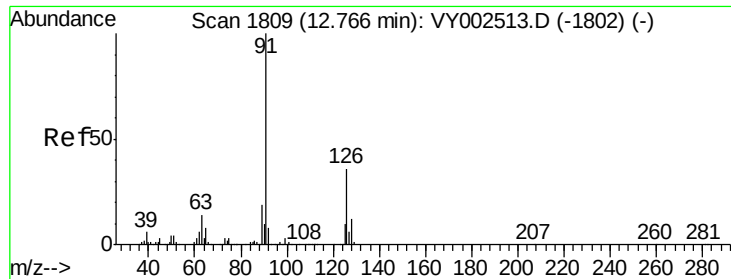
120 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.787 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0508SBS01

Tot Ion: 91 Resp: 206807

Ion Ratio Lower Upper

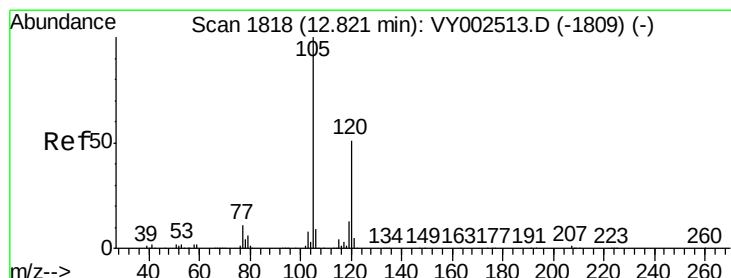
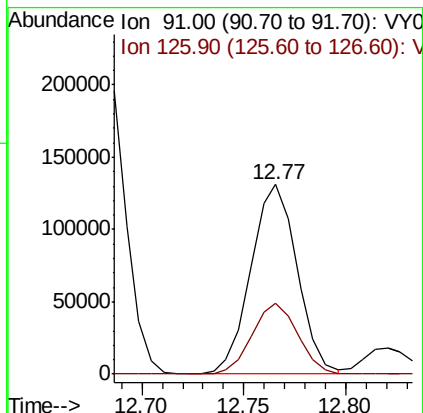
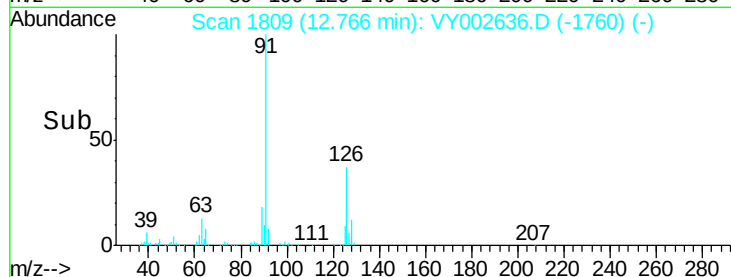
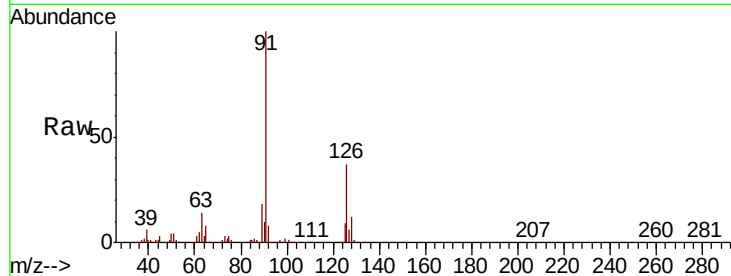
91 100

126 36.9 18.4 55.2

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#80

1,3,5-Trimethylbenzene

Concen: 20.052 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002636.D

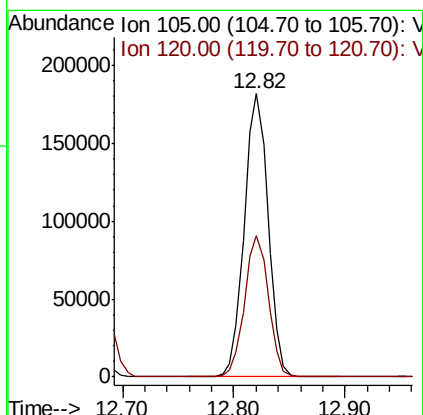
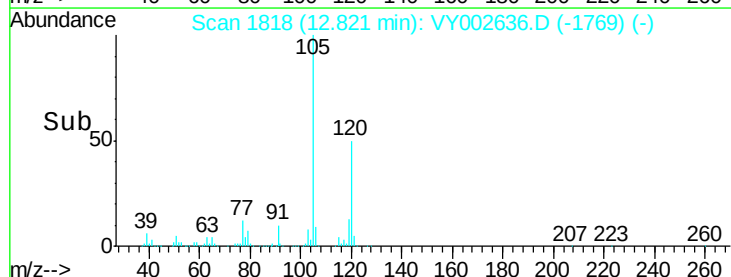
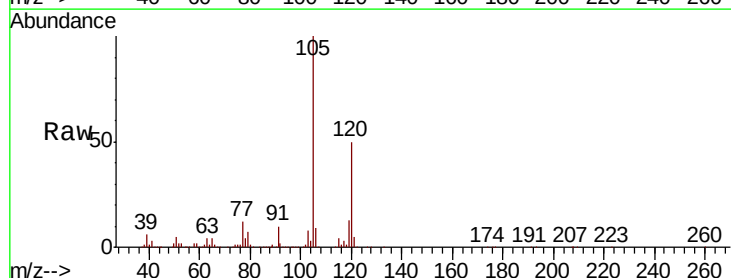
Acq: 08 May 2020 12:46

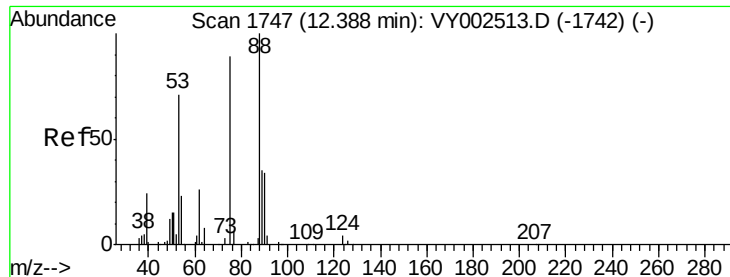
Tgt Ion: 105 Resp: 270243

Ion Ratio Lower Upper

105 100

120 49.9 25.3 75.9





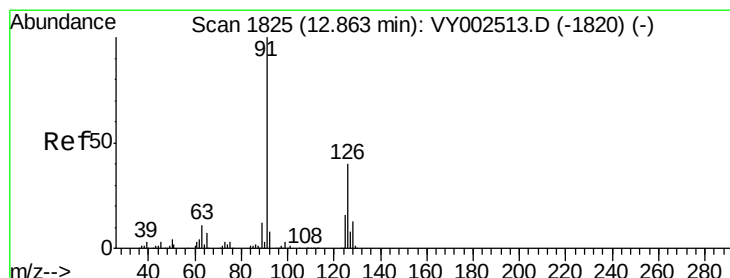
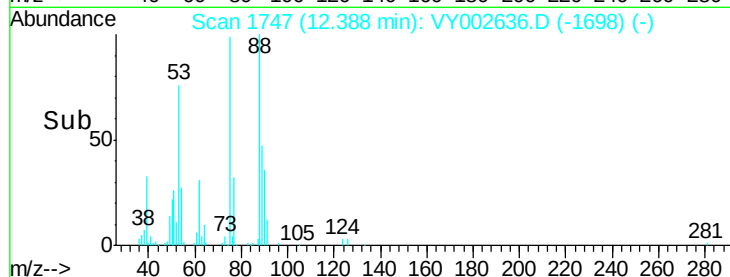
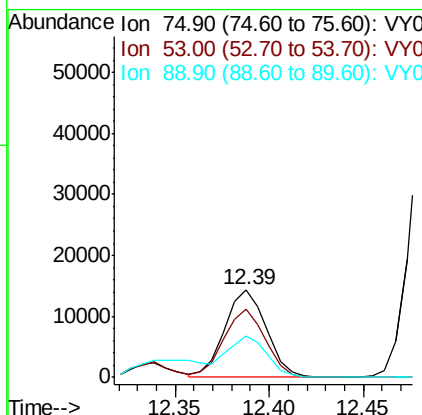
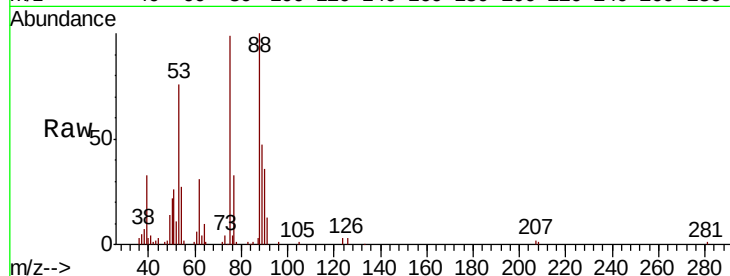
#81
trans-1,4-Dichloro-2-butene
Concen: 19.723 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	77.9	67.4	101.0
89	44.8	37.4	56.0

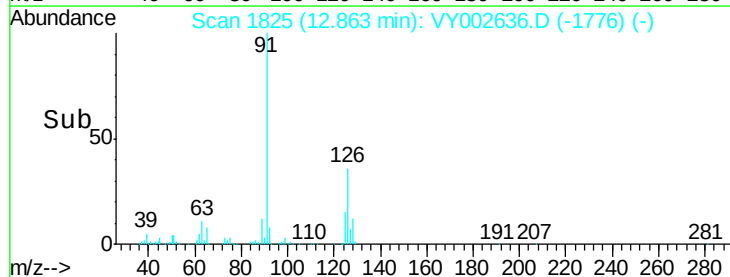
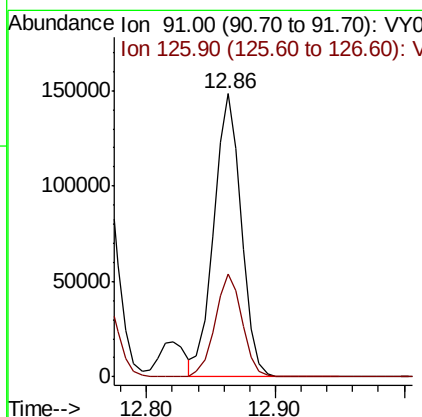
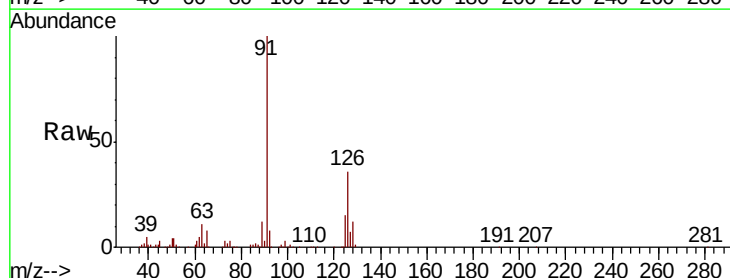
Manual Integrations
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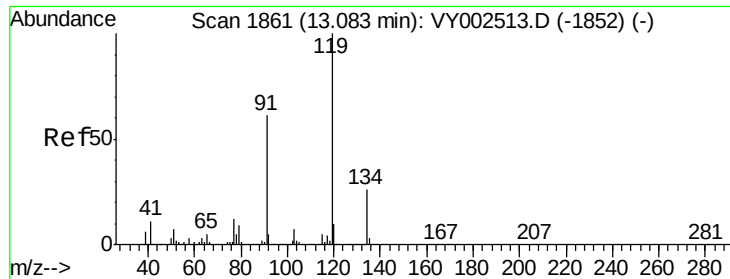
MMDadoda
5/11/2020 1:00:51 PM



#82
4-Chlorotoluene
Concen: 20.230 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	18.5	55.5





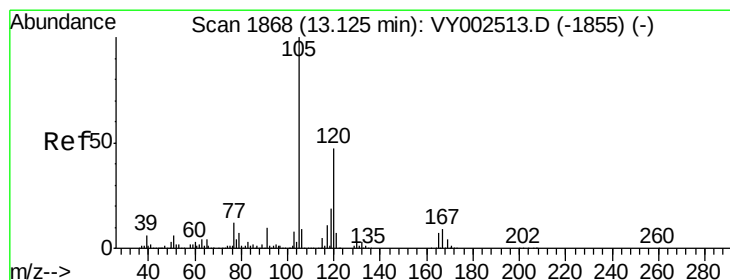
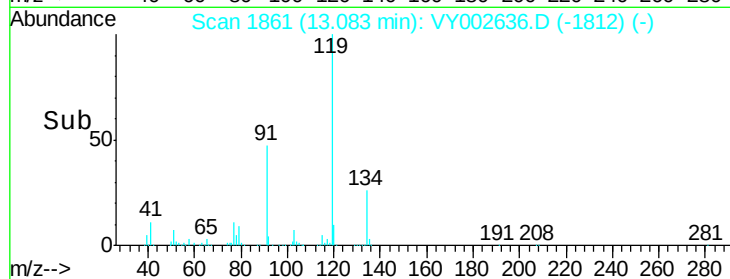
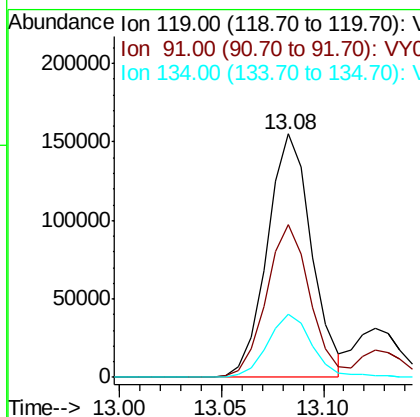
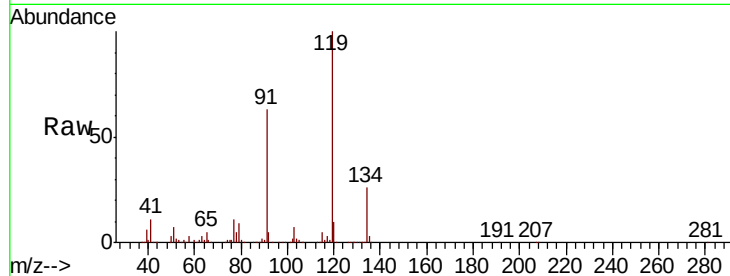
#83
 tert-Butylbenzene
 Concen: 19.834 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBSD01

Tot Ion:	119	Resp:	234386
Ion Ratio	Lower	Upper	
119	100		
91	62.6	30.6	91.6
134	26.7	13.5	40.4

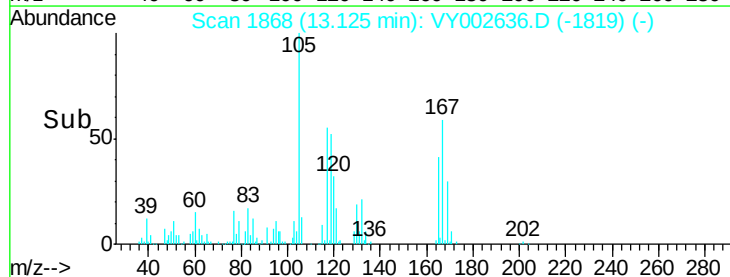
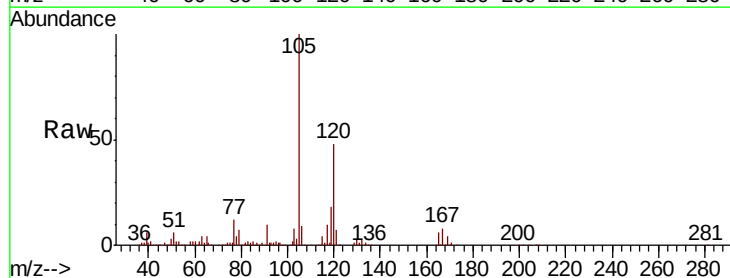
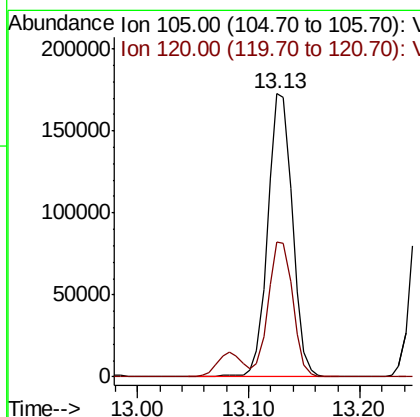
Manual Integrations
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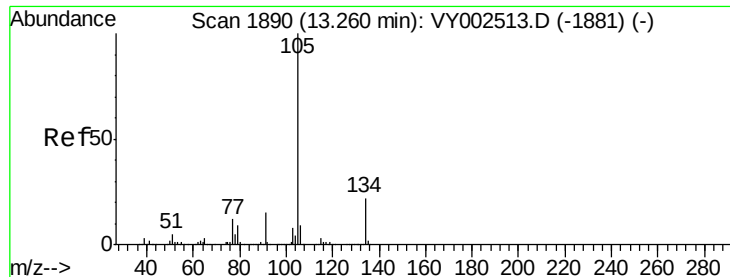
MMDadoda
 5/11/2020 1:00:51 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.927 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion:	105	Resp:	267656
Ion Ratio	Lower	Upper	
105	100		
120	47.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.060 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0508SBS01

Tot Ion:105 Resp: 328940

Ion Ratio Lower Upper

105 100

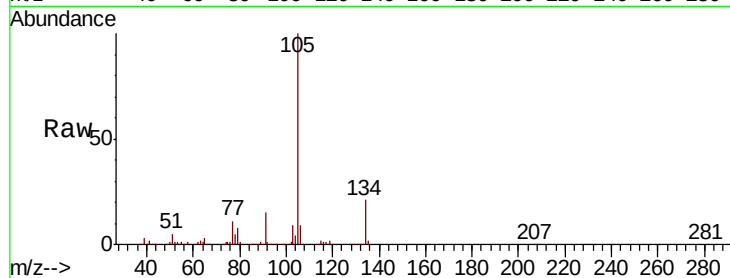
134 21.5 10.8 32.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

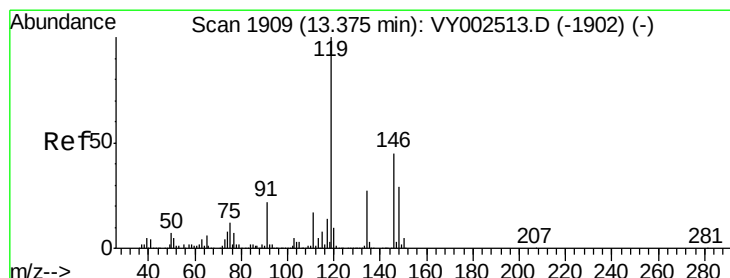
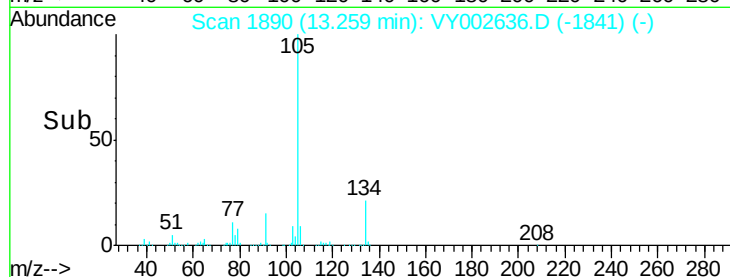
50000

0

13.20

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 20.014 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

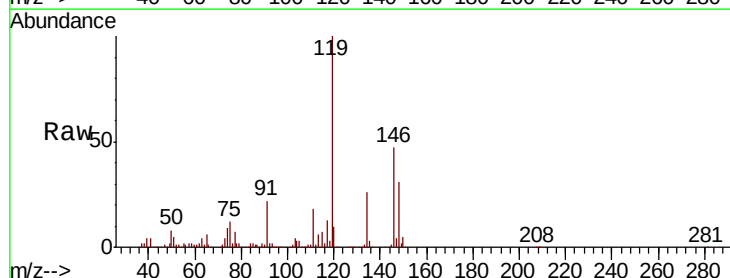
Tgt Ion:119 Resp: 307500

Ion Ratio Lower Upper

119 100

134 26.8 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

250000

200000

150000

100000

50000

0

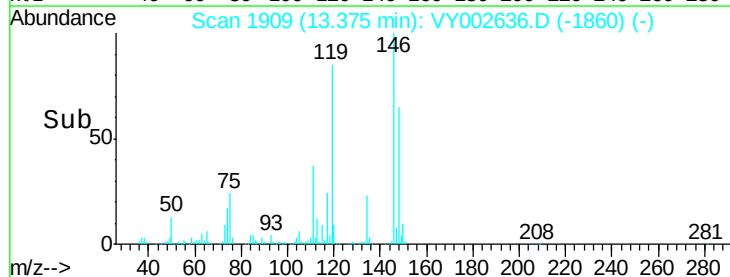
13.30

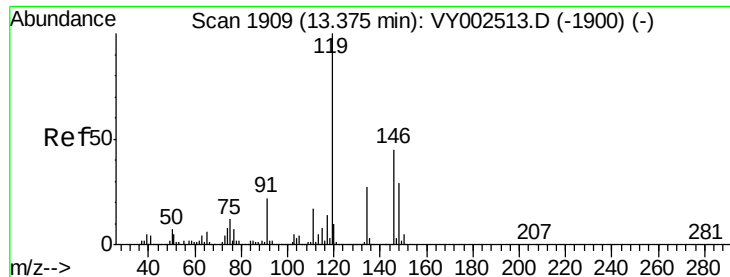
13.35

13.40

13.45

Time-->





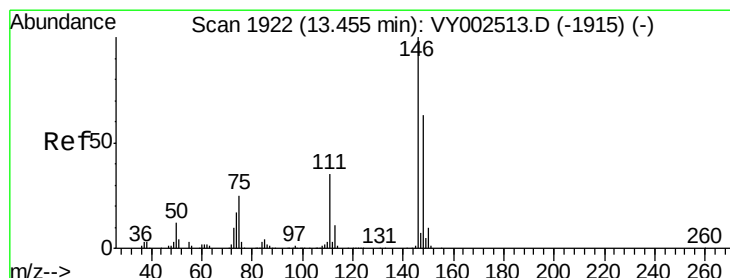
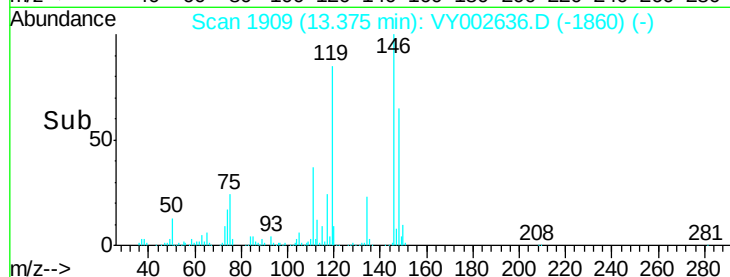
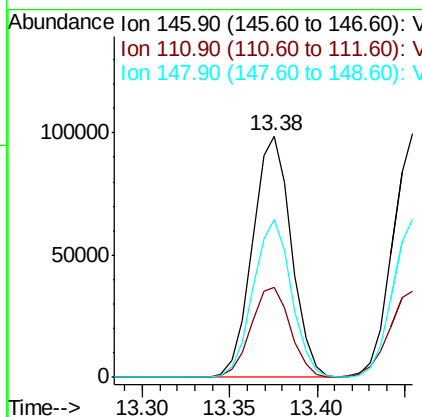
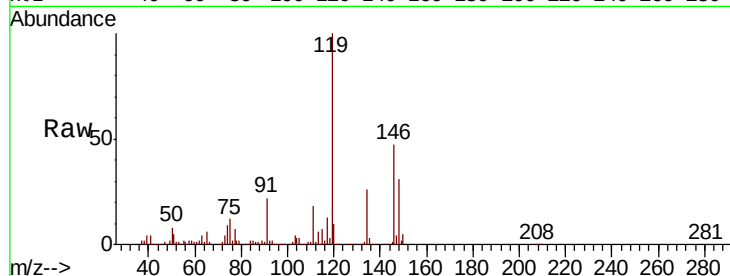
#87
 1,3-Dichlorobenzene
 Concen: 19.884 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.4	32.1	96.3

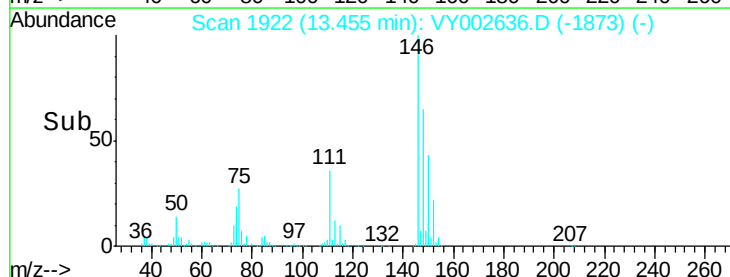
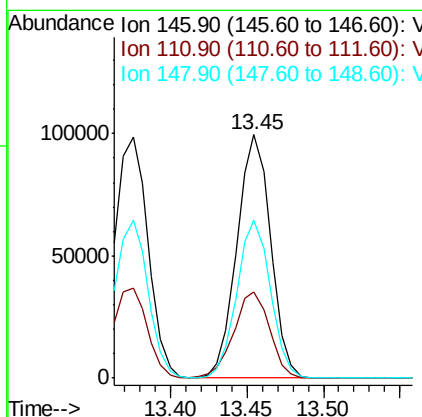
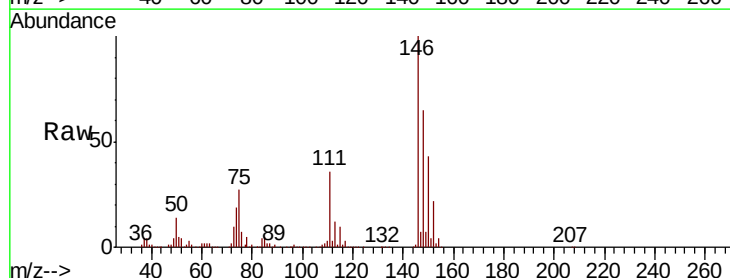
Manual Integrations
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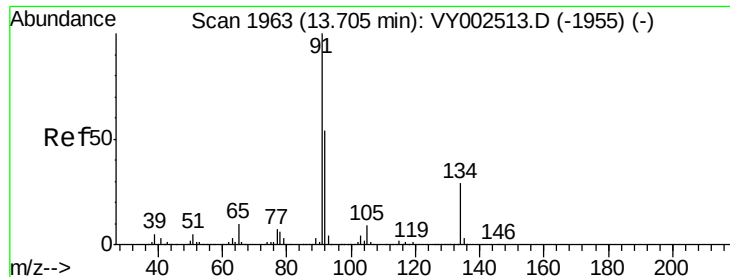
MMDadoda
 5/11/2020 1:00:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.015 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.1
148	65.0	31.9	95.5





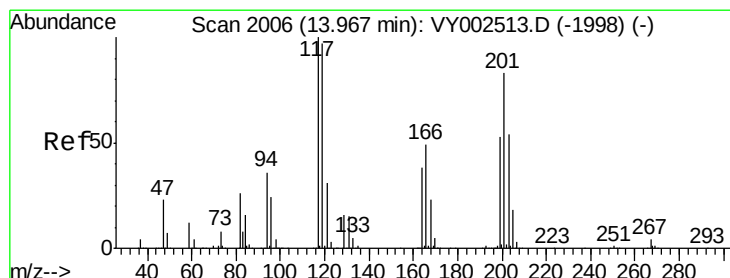
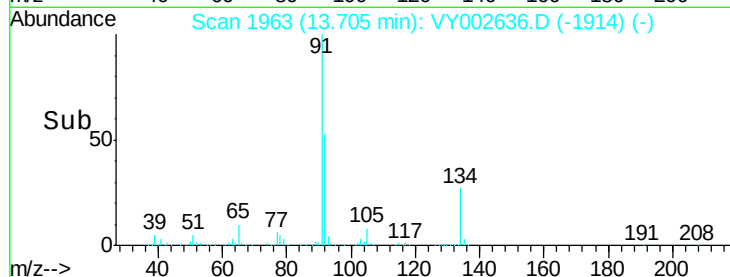
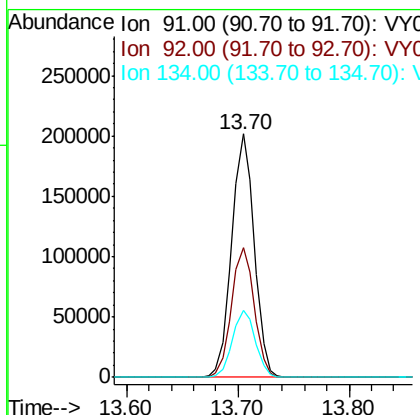
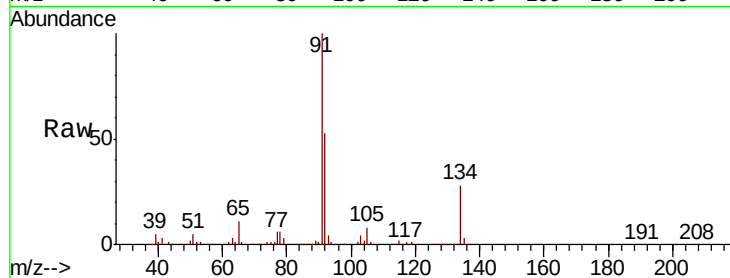
#89
n-Butylbenzene
Concen: 20.208 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.3
134	28.0	14.4	43.0

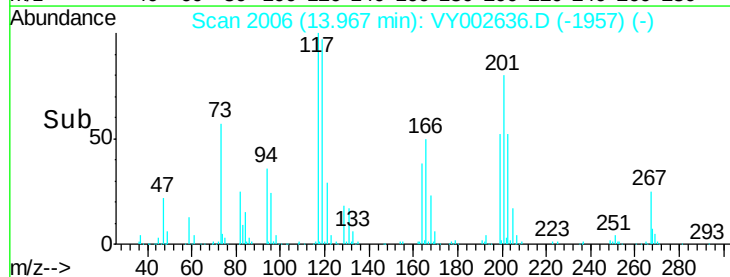
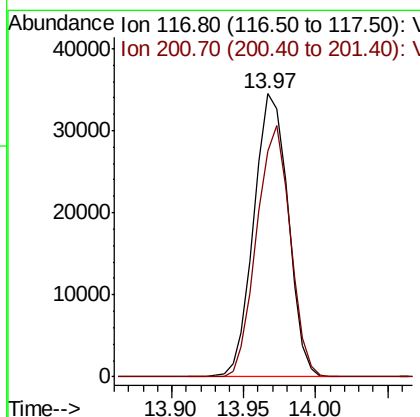
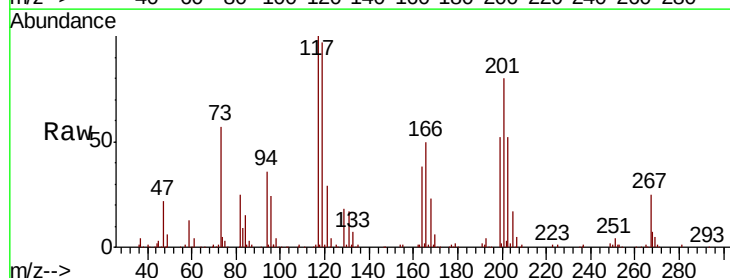
Manual Integrations
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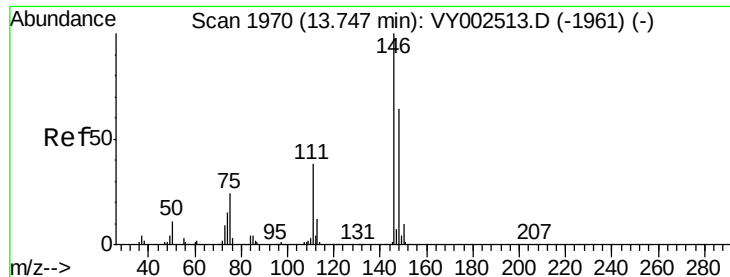
MMDadoda
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#90
Hexachloroethane
Concen: 20.254 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	44.4	133.2





#91

1,2-Dichlorobenzene

Concen: 20.058 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Instrument :

MSVOA_Y

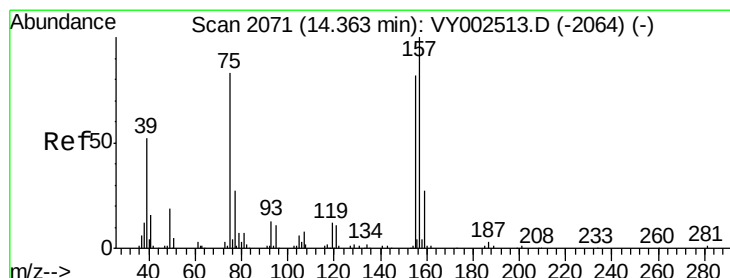
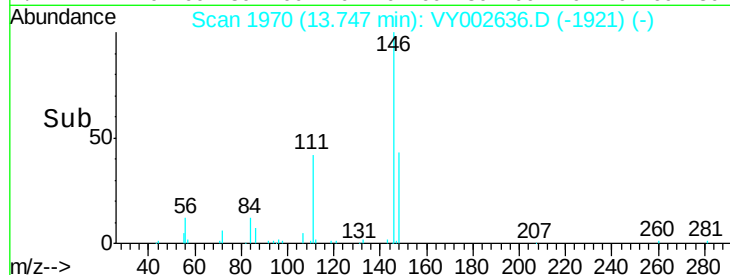
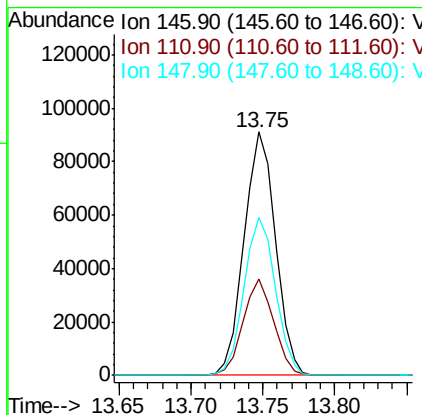
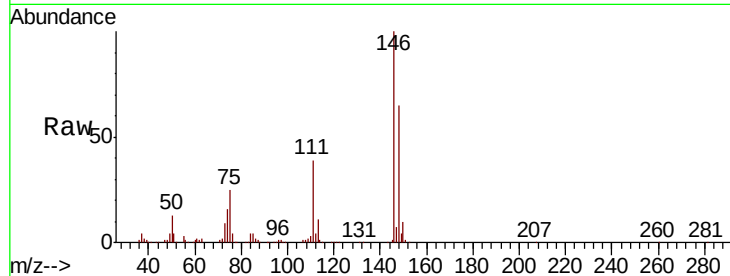
ClientSampleId :

VY0508SBS01

Tot Ion:	146	Resp:	137602
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.5
148	64.7	31.9	95.7

Manual Integrations
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5/11/2020 1:00:51 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.564 ug/l

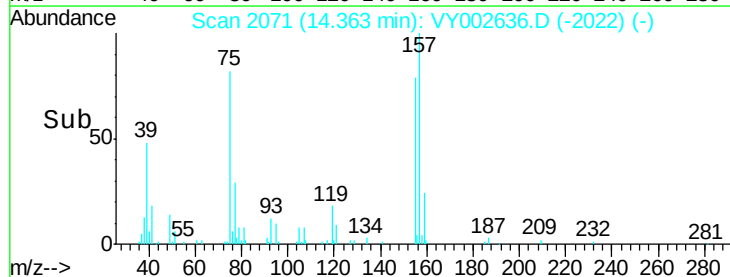
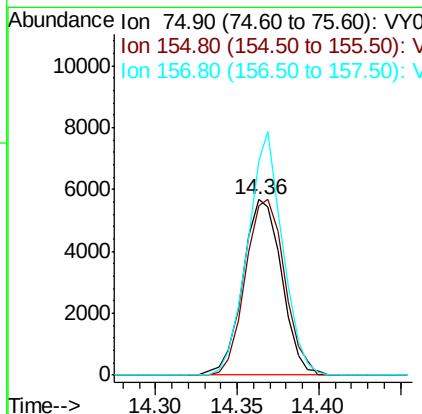
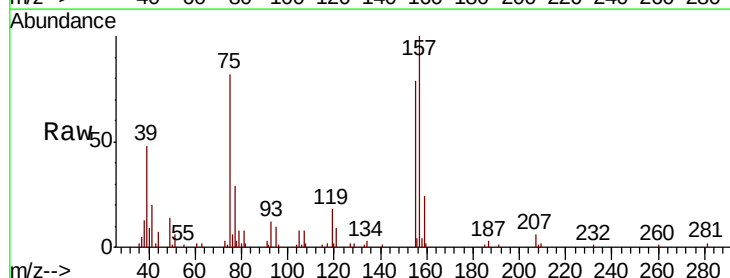
RT: 14.36 min Scan# 2071

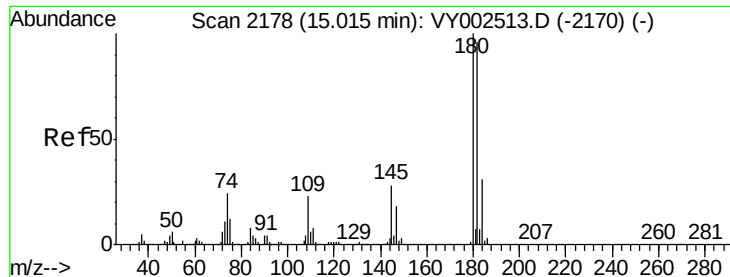
Delta R.T. -0.00 min

Lab File: VY002636.D

Acq: 08 May 2020 12:46

Tgt Ion:	75	Resp:	9430
Ion Ratio	Lower	Upper	
75	100		
155	100.6	51.3	153.9
157	124.4	65.0	195.0





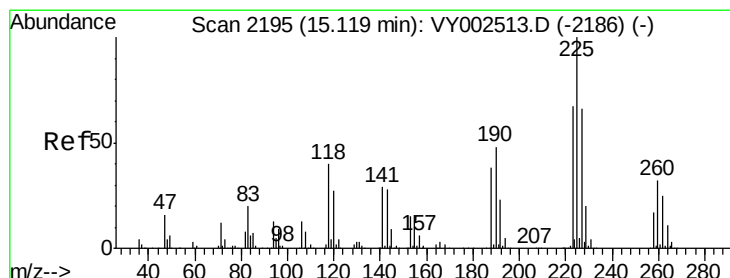
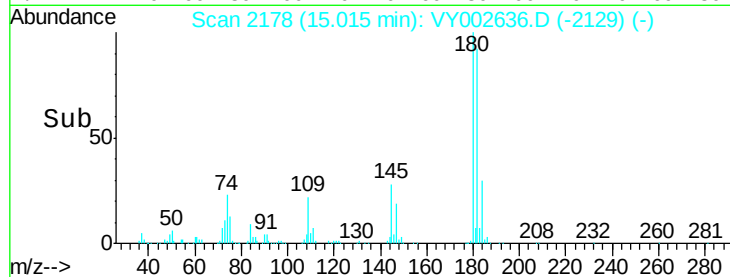
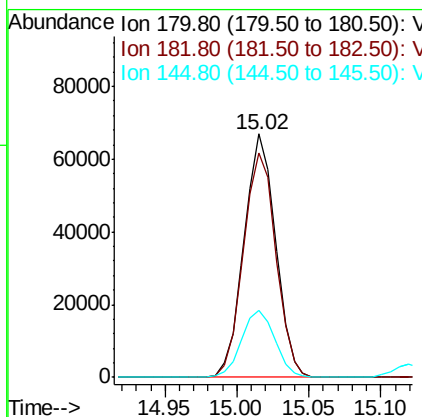
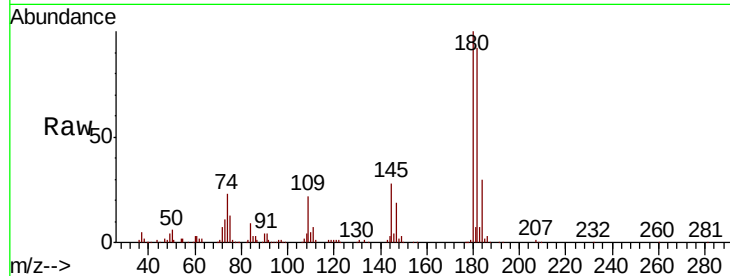
#93
 1,2,4-Trichlorobenzene
 Concen: 20.447 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Tot Ion:	180	Resp:	101840
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.6
145	29.0	14.4	43.0

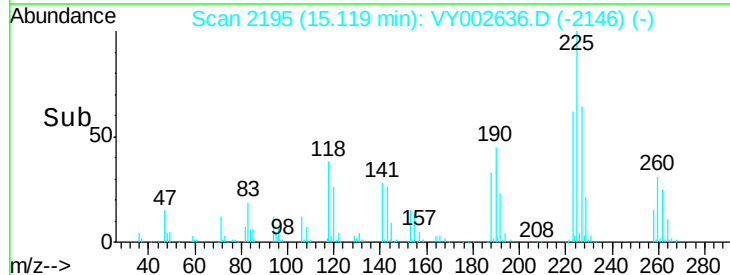
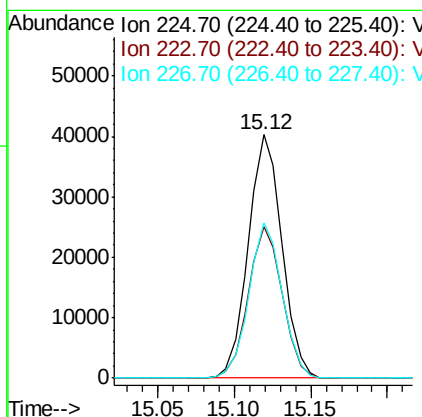
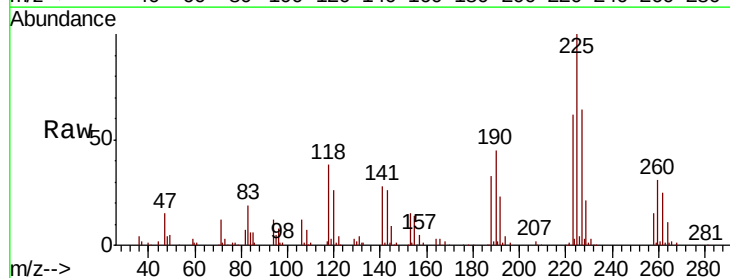
Manual Integrations
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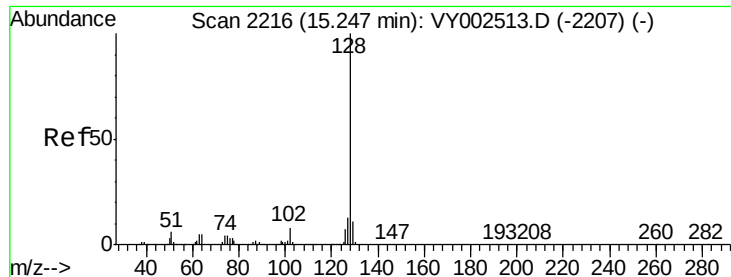
MMDadoda
 5/11/2020 1:00:51 PM



#94
 Hexachlorobutadiene
 Concen: 20.655 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002636.D
 Acq: 08 May 2020 12:46

Tgt Ion:	225	Resp:	61750
Ion Ratio	Lower	Upper	
225	100		
223	62.5	32.1	96.5
227	63.0	32.0	96.2





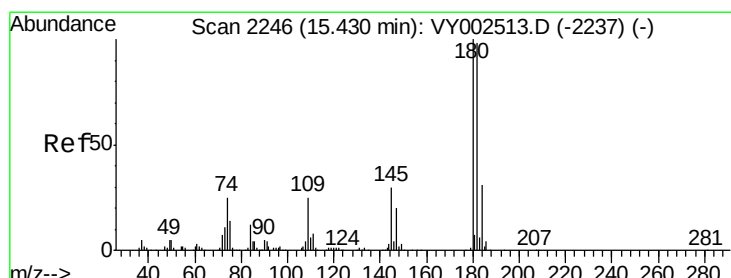
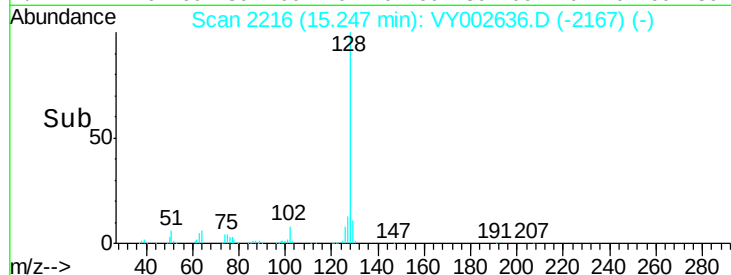
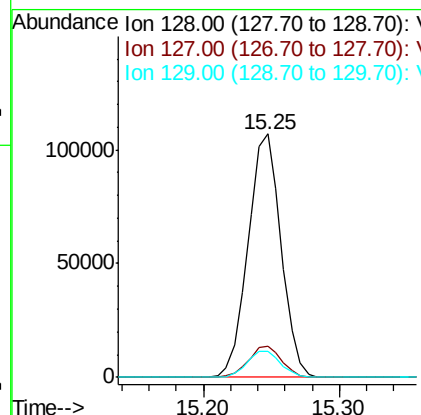
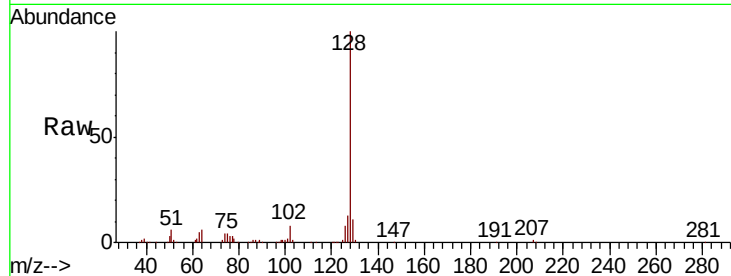
#95
Naphthalene
Concen: 19.975 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	181488		
127	12.8	10.5	15.7	
129	11.0	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.551 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002636.D
Acq: 08 May 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	86892		
182	95.8	47.9	143.8	
145	30.0	15.0	45.1	

