

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002621.D
 Acq On : 07 May 2020 11:25
 Operator : SY/MD
 Sample : VY0507SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 1:23:45 PM

Quant Time: May 07 13:10:30 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	7.81	168	364068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	527806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	479538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	249711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	145943	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
35) Dibromofluoromethane	7.74	113	157271	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.19	98	615341	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.49	95	211179	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	42210	15.315	ug/l	97
3) Chloromethane	2.12	50	52570	17.823	ug/l	98
4) Vinyl Chloride	2.26	62	60832	17.861	ug/l	97
5) Bromomethane	2.65	94	43372	18.466	ug/l	96
6) Chloroethane	2.80	64	37976	18.674	ug/l	96
7) Trichlorofluoromethane	3.14	101	99315	18.814	ug/l	95
8) Diethyl Ether	3.54	74	34511	19.455	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	62664	19.424	ug/l	99
10) Methyl Iodide	4.11	142	80889	18.404	ug/l	98
11) Tert butyl alcohol	4.99	59	29471	93.577	ug/l	100
12) 1,1-Dichloroethene	3.89	96	60660	19.355	ug/l	96
13) Acrolein	3.75	56	17530	80.493	ug/l	99
14) Allyl chloride	4.51	41	91158	19.963	ug/l	98
15) Acrylonitrile	5.19	53	82726	98.892	ug/l	99
16) Acetone	3.97	43	58180	92.093	ug/l	99
17) Carbon Disulfide	4.21	76	165538	17.557	ug/l	99
18) Methyl Acetate	4.50	43	41070	19.457	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	162537	19.878	ug/l	99
20) Methylene Chloride	4.74	84	70842	20.052	ug/l	93
21) trans-1,2-Dichloroethene	5.24	96	66763	19.490	ug/l	96
22) Diisopropyl ether	6.14	45	190885	20.660	ug/l	97
23) Vinyl Acetate	6.08	43	575824	99.097	ug/l	98
24) 1,1-Dichloroethane	6.04	63	109880	20.102	ug/l	99
25) 2-Butanone	7.00	43	98735	95.475	ug/l	98
26) 2,2-Dichloropropane	7.00	77	101387	19.514	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	76524	20.190	ug/l	99
28) Bromochloromethane	7.35	49	44736	19.975	ug/l	99
29) Tetrahydrofuran	7.37	42	67844	99.157	ug/l	99
30) Chloroform	7.53	83	113379	19.949	ug/l	99
31) Cyclohexane	7.80	56	103603	18.830	ug/l #	96
32) 1,1,1-Trichloroethane	7.72	97	104230	19.731	ug/l	99
36) 1,1-Dichloropropene	7.93	75	88353	19.968	ug/l	98
37) Ethyl Acetate	7.10	43	45237	19.896	ug/l	99
38) Carbon Tetrachloride	7.92	117	96901	20.060	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	115021	19.682	ug/l	97
40) Benzene	8.18	78	261027	20.426	ug/l	99
41) Methacrylonitrile	7.35	41	28150m	23.026	ug/l	
42) 1,2-Dichloroethane	8.25	62	70823	19.758	ug/l	98
43) Isopropyl Acetate	8.29	43	86099	20.199	ug/l	99
44) Trichloroethene	8.95	130	84511	21.161	ug/l	94
45) 1,2-Dichloropropane	9.23	63	63691	20.651	ug/l	97
46) Dibromomethane	9.32	93	35338	19.914	ug/l	99
47) Bromodichloromethane	9.51	83	88159	20.432	ug/l	100
48) Methyl methacrylate	9.30	41	38075	19.737	ug/l	98
49) 1,4-Dioxane	9.31	88	10279	437.487	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	228622	104.056	ug/l	100
52) Toluene	10.25	92	167972	20.452	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	91359	20.208	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	107603	20.588	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	54811	21.181	ug/l	99
56) Ethyl methacrylate	10.52	69	70249	20.406	ug/l	97
57) 1,3-Dichloropropane	10.80	76	89607	20.419	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	199904	110.113	ug/l	98
59) 2-Hexanone	10.84	43	156400	103.426	ug/l	99
60) Dibromochloromethane	10.99	129	68761	20.892	ug/l	97
61) 1,2-Dibromoethane	11.10	107	52435	20.464	ug/l	99
64) Tetrachloroethene	10.72	164	94960	22.288	ug/l	98
65) Chlorobenzene	11.52	112	189046	20.738	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	70213	20.749	ug/l	99
67) Ethyl Benzene	11.60	91	331928	20.729	ug/l	99
68) m/p-Xylenes	11.71	106	255503	41.238	ug/l	100
69) o-Xylene	12.03	106	120071	20.698	ug/l	100
70) Styrene	12.05	104	208932	21.067	ug/l	99
71) Bromoform	12.21	173	43289	20.611	ug/l #	99
73) Isopropylbenzene	12.33	105	335591	20.736	ug/l	99
74) N-amyl acetate	12.15	43	79659	20.462	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	48498	18.843	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	40852m	18.409	ug/l	
77) Bromobenzene	12.61	156	82693	20.452	ug/l	100
78) n-propylbenzene	12.67	91	390764	20.807	ug/l	99
79) 2-Chlorotoluene	12.76	91	213580	20.530	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	280191	20.886	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	22074	19.946	ug/l	96
82) 4-Chlorotoluene	12.86	91	222790	20.387	ug/l	99
83) tert-Butylbenzene	13.08	119	247755	21.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	276861	20.708	ug/l	99
85) sec-Butylbenzene	13.26	105	344280	21.093	ug/l	99
86) p-Isopropyltoluene	13.38	119	319704	20.904	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	157401	20.568	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	157532	20.789	ug/l	99
89) n-Butylbenzene	13.70	91	295680	21.238	ug/l	99
90) Hexachloroethane	13.97	117	58691	21.073	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	141545	20.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9613	20.037	ug/l	98

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ClientSampleId :
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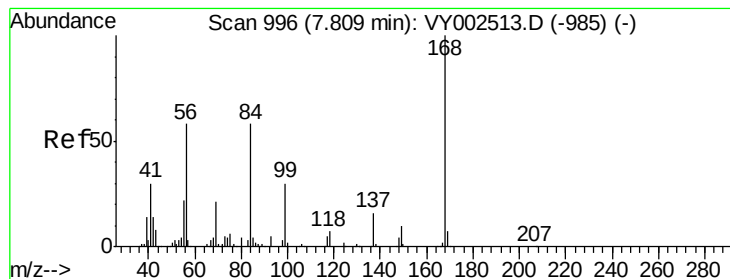
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	107138	21.611	ug/l	99
94) Hexachlorobutadiene	15.12	225	64307	21.610	ug/l	99
95) Naphthalene	15.24	128	189161	20.916	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	90356	21.469	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

Tot Ion:168 Resp: 364068

Ion Ratio Lower Upper

168 100

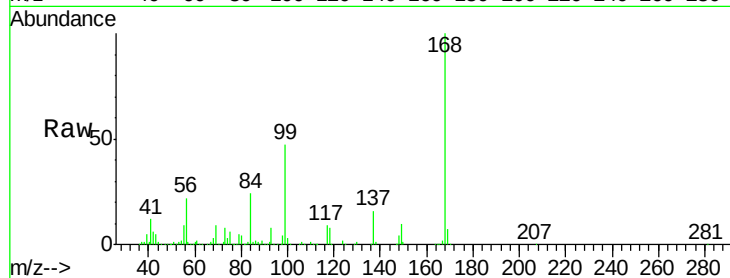
99 46.7 39.2 58.8

Manual Integrations

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5/8/2020 1:23:45 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002621.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002621.D (-947) (-)

7.81

150000

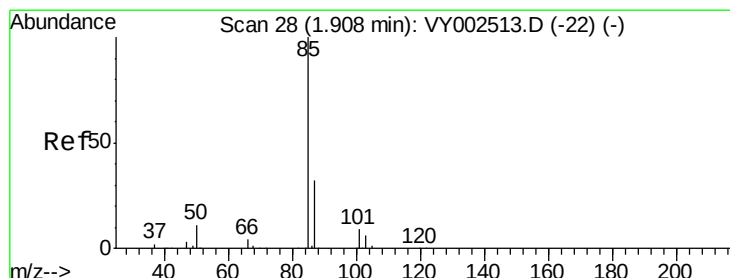
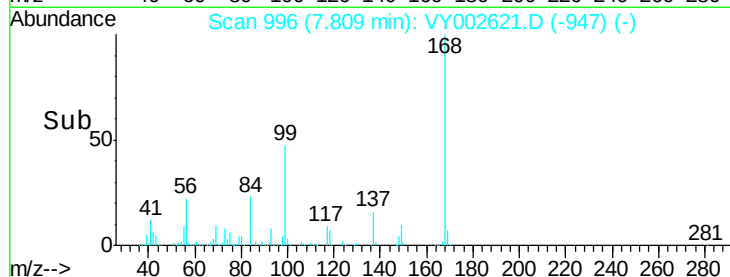
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.315 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002621.D

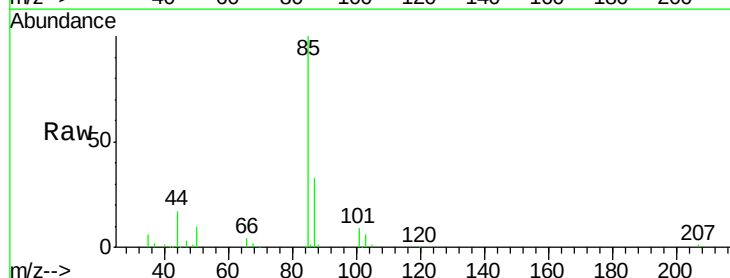
Acq: 07 May 2020 11:25

Tgt Ion: 85 Resp: 42210

Ion Ratio Lower Upper

85 100

87 33.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002621.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002621.D (-1) (-)

1.91

30000

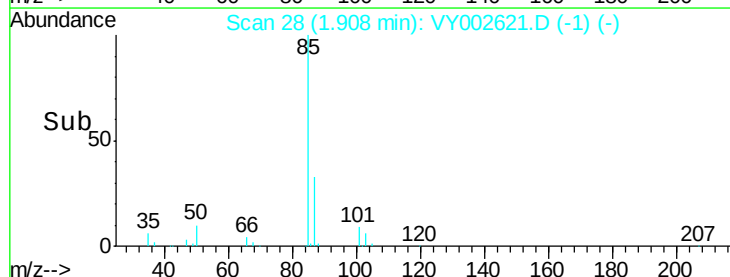
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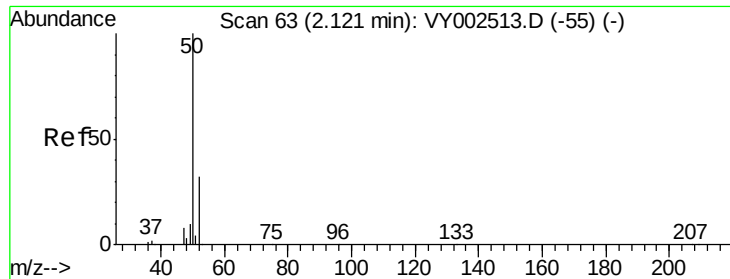
10000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 17.823 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

Tot Ion: 50 Resp: 52570

Ion Ratio Lower Upper

50 100

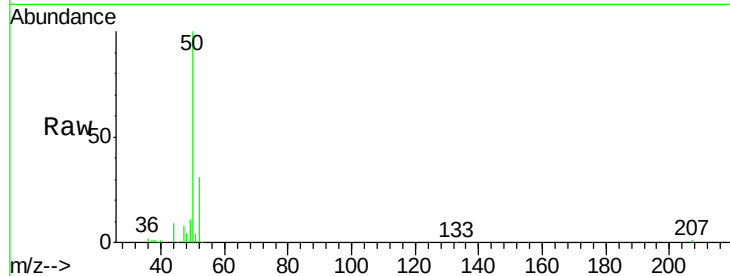
52 31.3 25.9 38.9

Manual Integrations

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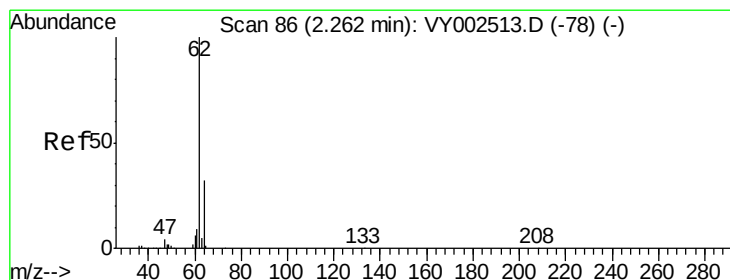
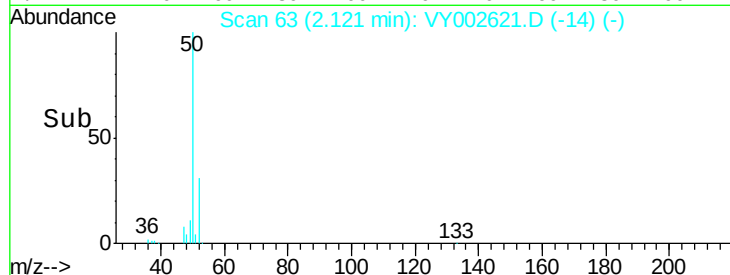
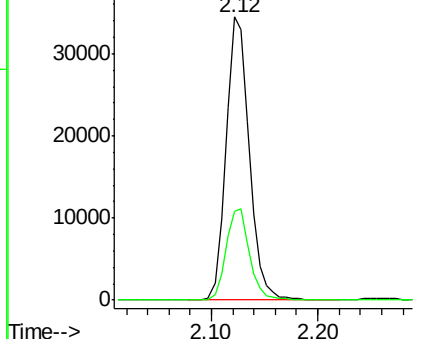
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 17.861 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY002621.D

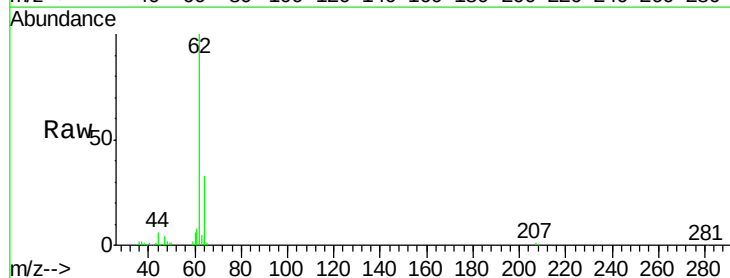
Acq: 07 May 2020 11:25

Tgt Ion: 62 Resp: 60832

Ion Ratio Lower Upper

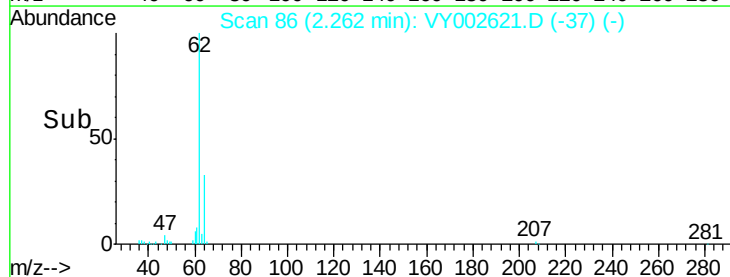
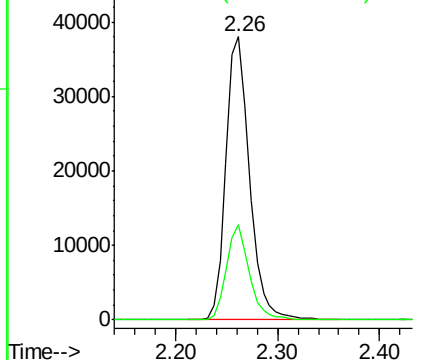
62 100

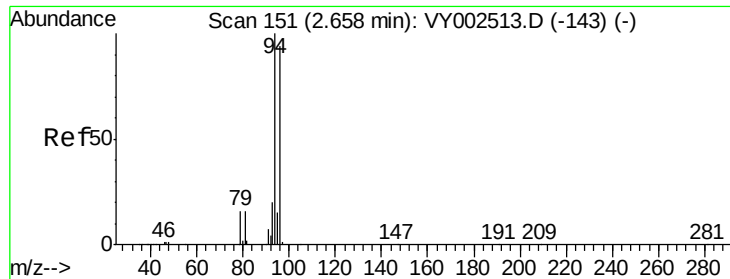
64 33.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 18.466 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

Tot Ion: 94 Resp: 43372

Ion Ratio Lower Upper

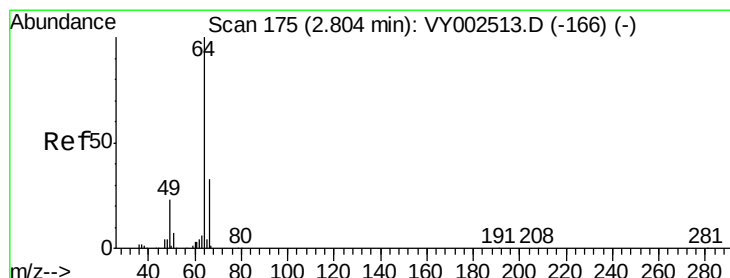
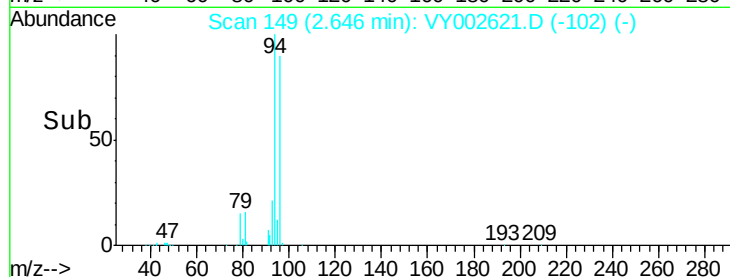
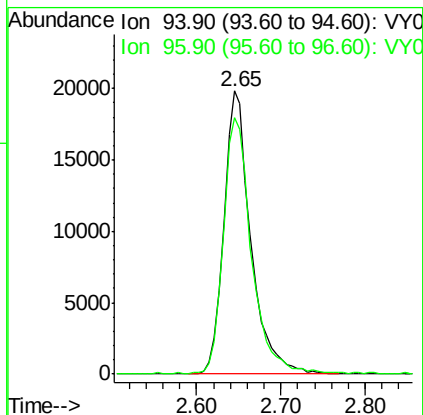
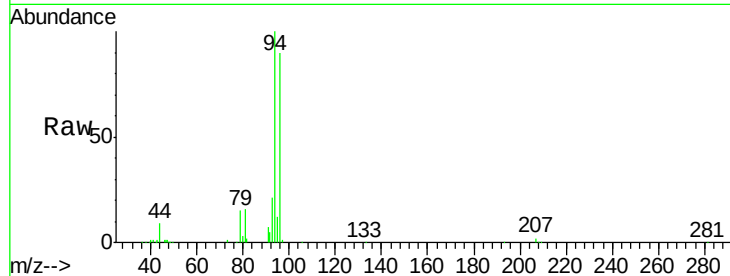
94 100

96 90.1 74.9 112.3

Manual Integrations
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#6

Chloroethane

Concen: 18.674 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY002621.D

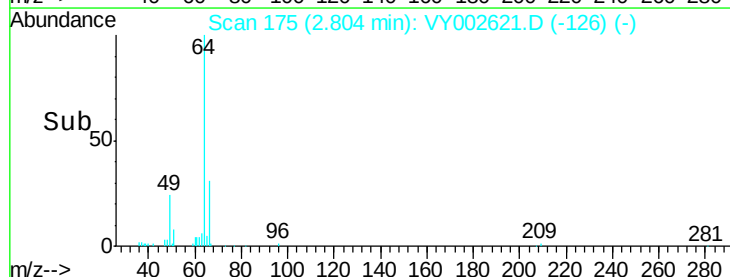
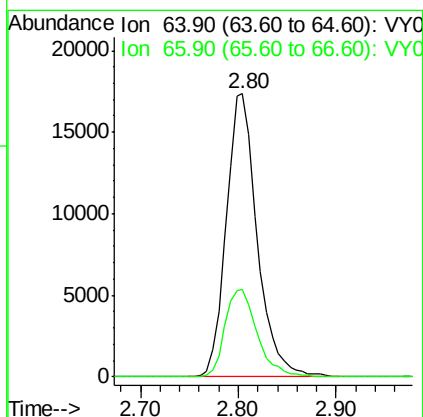
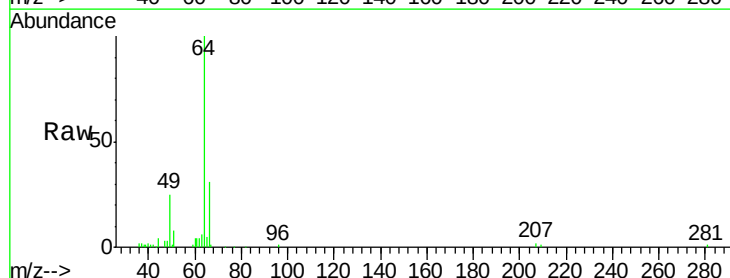
Acq: 07 May 2020 11:25

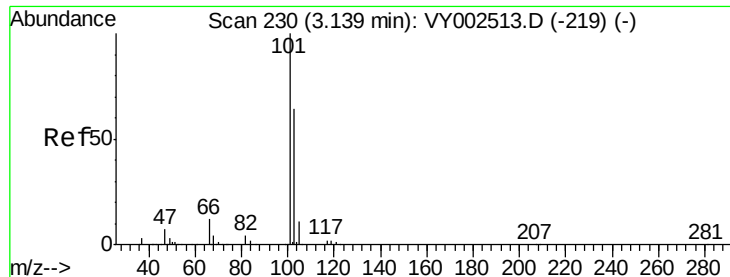
Tgt Ion: 64 Resp: 37976

Ion Ratio Lower Upper

64 100

66 30.8 26.3 39.5





#7

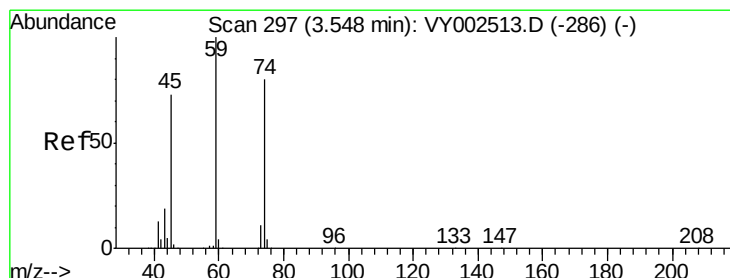
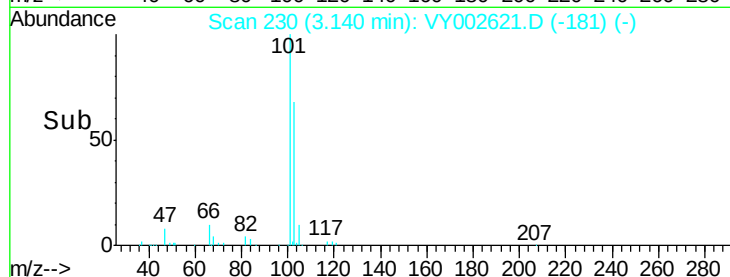
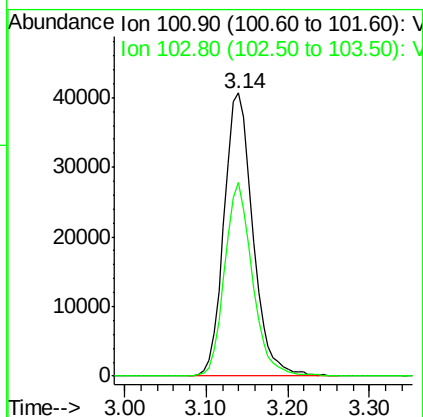
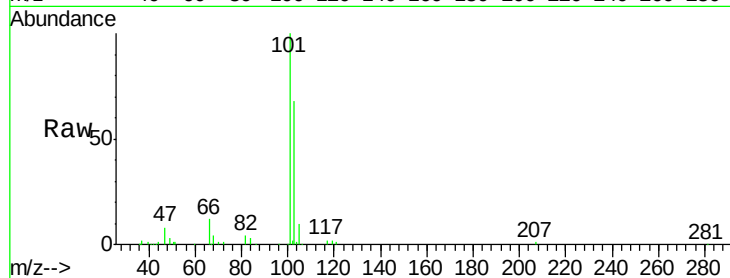
Trichlorofluoromethane
Concen: 18.814 ug/l
RT: 3.14 min Scan# 230
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	51.4	77.0

Manual Integrations
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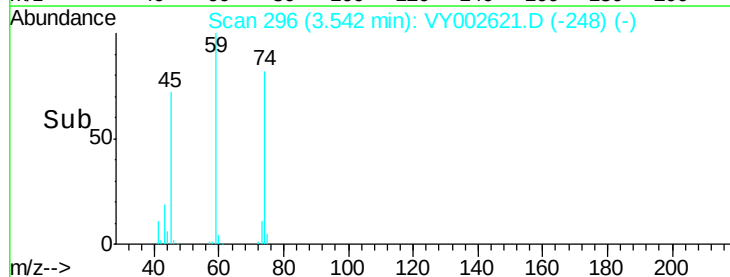
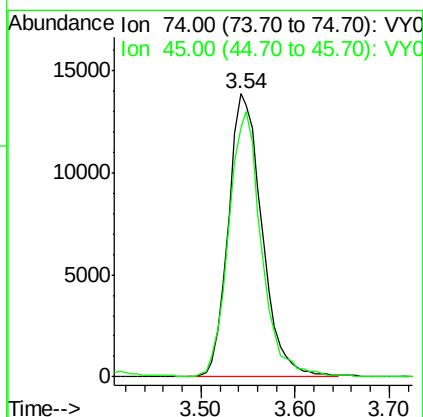
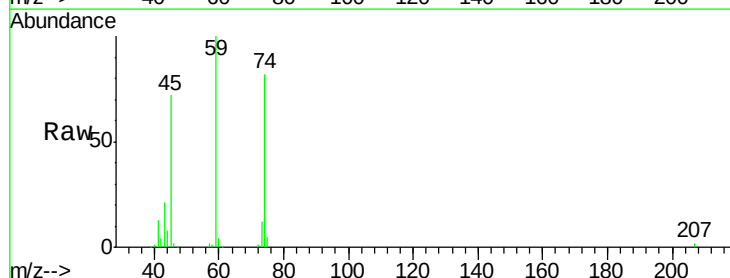
MMDadoda
5/8/2020 1:23:45 PM

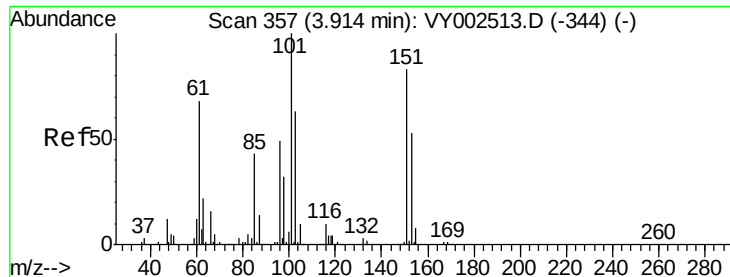


#8

Diethyl Ether
Concen: 19.455 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	46.2	138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.424 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

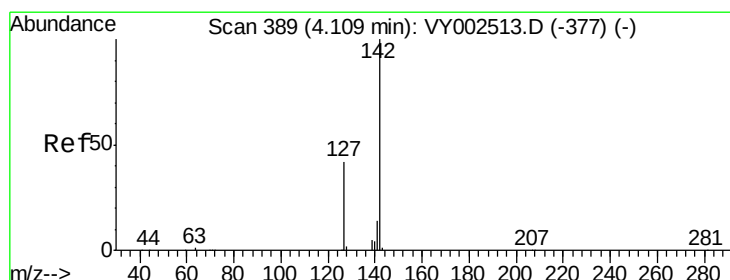
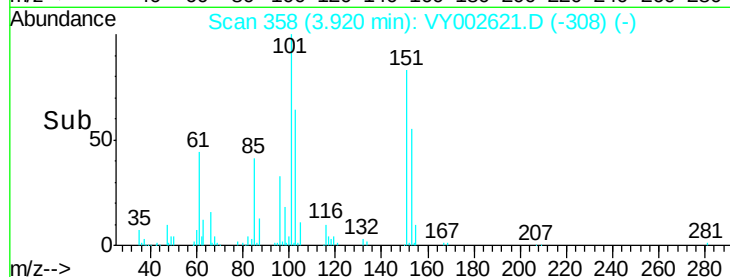
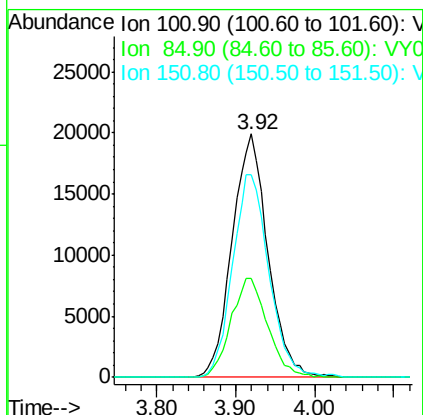
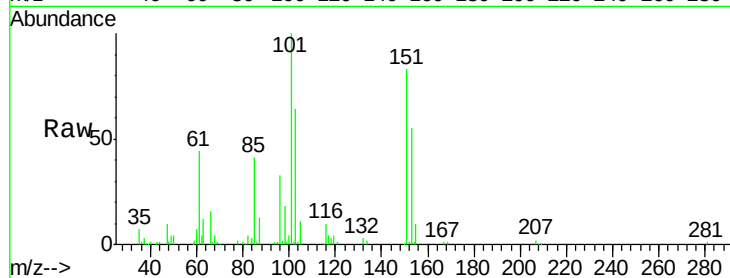
ClientSampleId :

VY0507SBSD01

Tot Ion:	101	Resp:	62664
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.2
151	85.1	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.404 ug/l

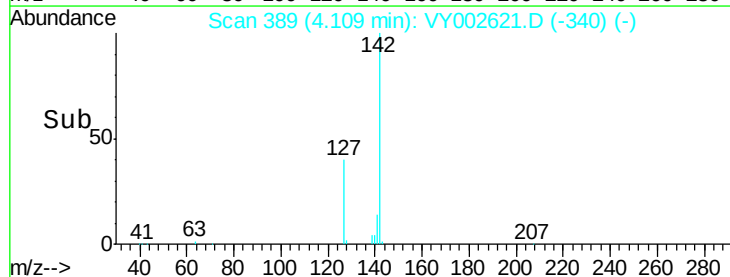
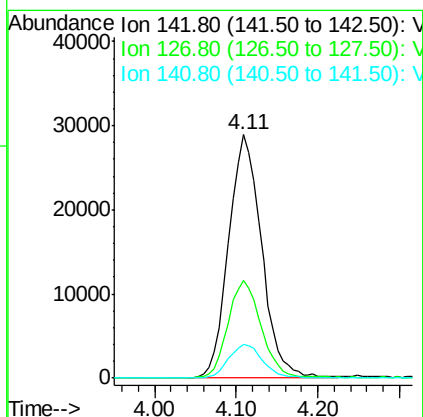
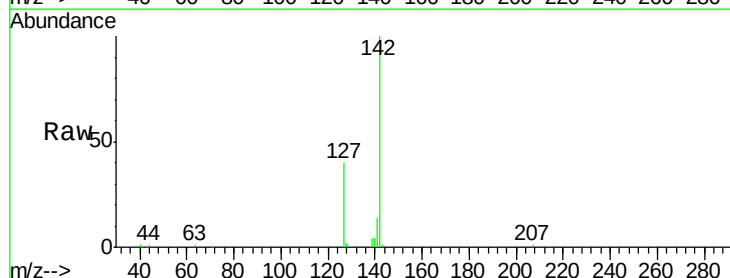
RT: 4.11 min Scan# 389

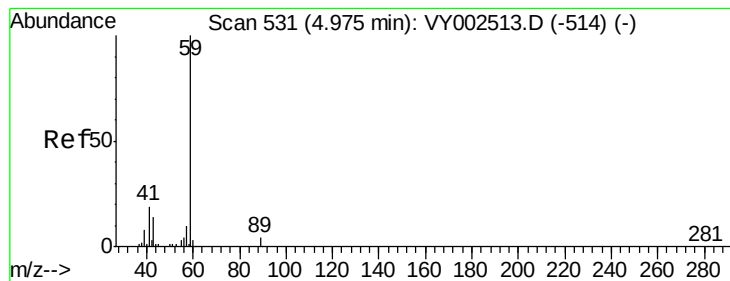
Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion:	142	Resp:	80889
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.7	50.5
141	14.2	11.4	17.0





#11

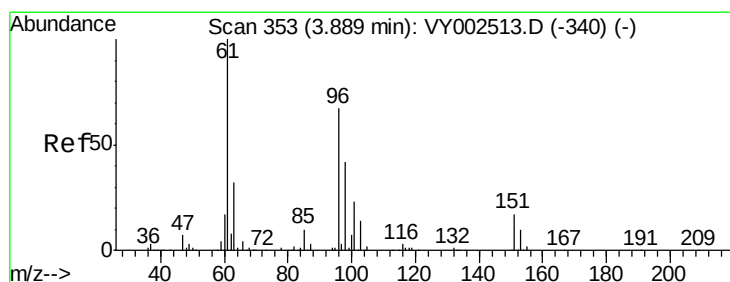
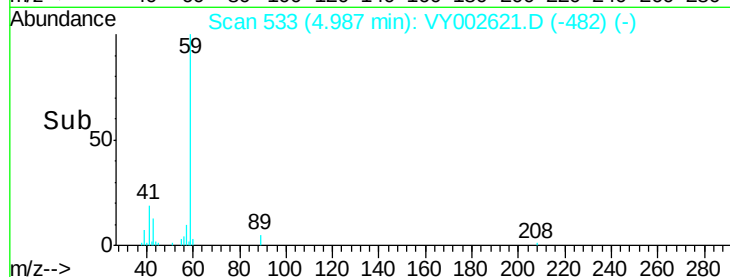
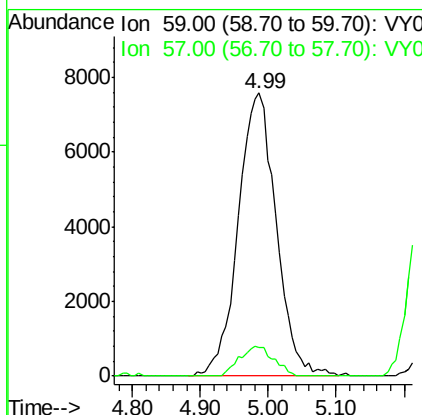
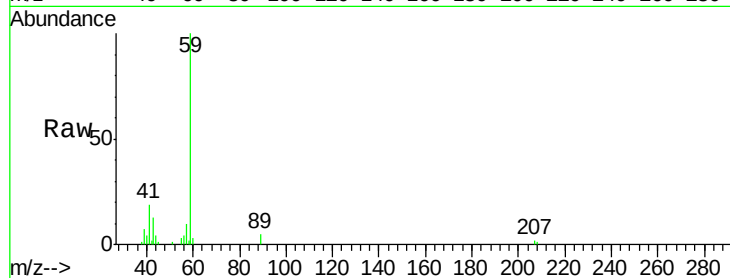
Tert butyl alcohol
 Concen: 93.577 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

Tot Ion	59	Resp	29471
Ion Ratio	100	Lower	Upper
57	9.5	7.8	11.6

Manual Integrations
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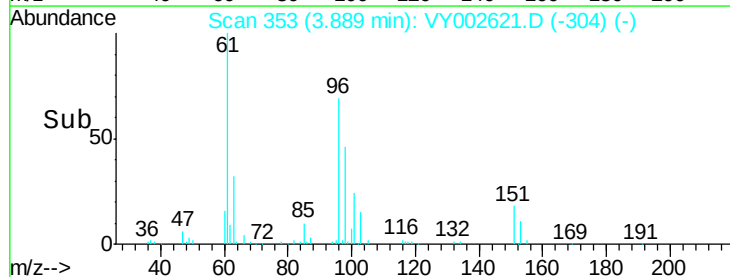
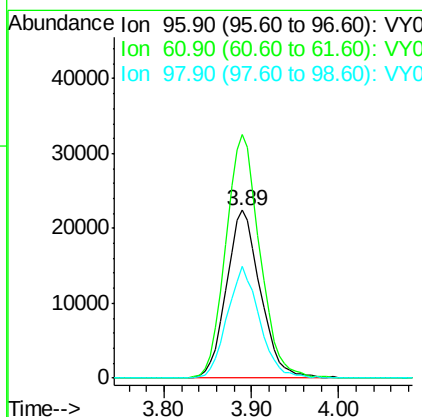
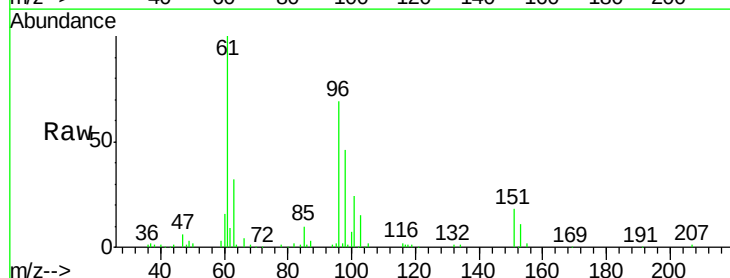
MMDadoda
 5/8/2020 1:23:45 PM

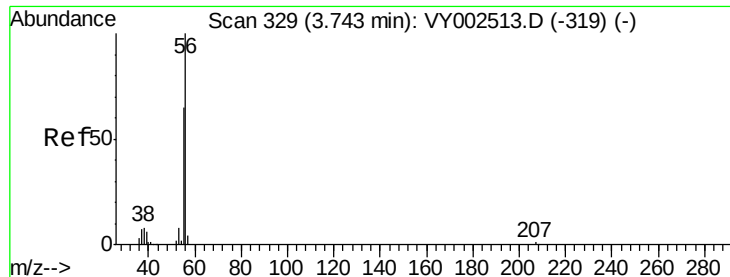


#12

1,1-Dichloroethene
 Concen: 19.355 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	96	Resp	60660
Ion Ratio	100	Lower	Upper
61	145.1	118.8	178.2
98	66.4	49.6	74.4





#13

Acrolein

Concen: 80.493 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

Tot Ion: 56 Resp: 17530

Ion Ratio Lower Upper

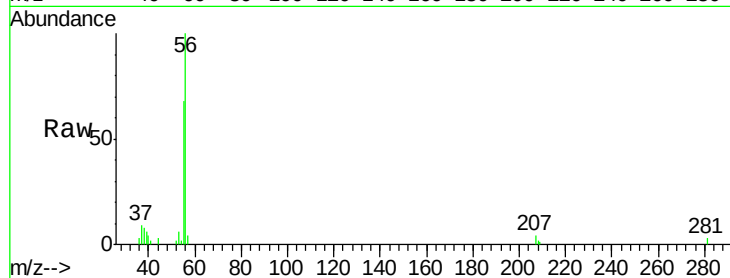
56 100

55 68.1 53.8 80.6

Manual Integrations
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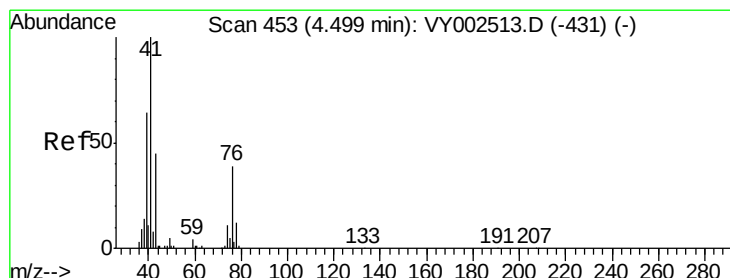
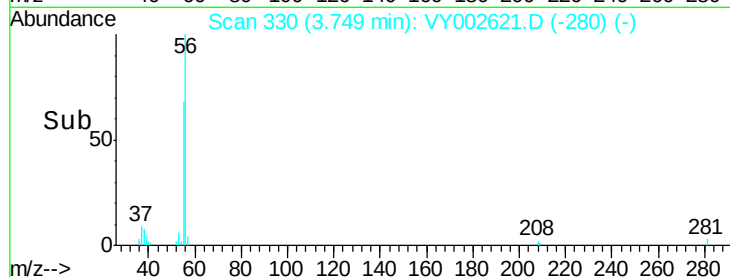
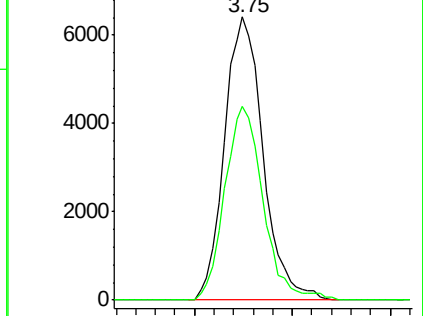
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 19.963 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

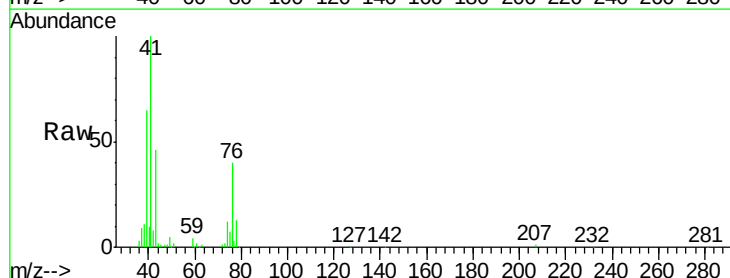
Tgt Ion: 41 Resp: 91158

Ion Ratio Lower Upper

41 100

39 62.3 51.8 77.6

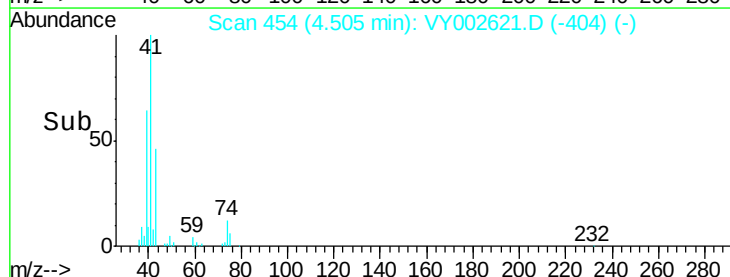
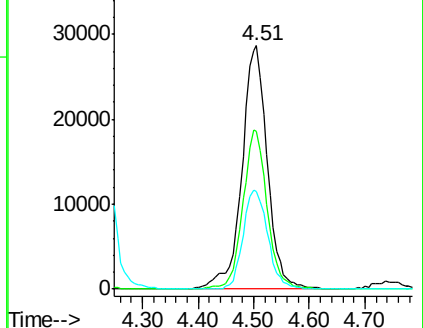
76 39.5 31.7 47.5

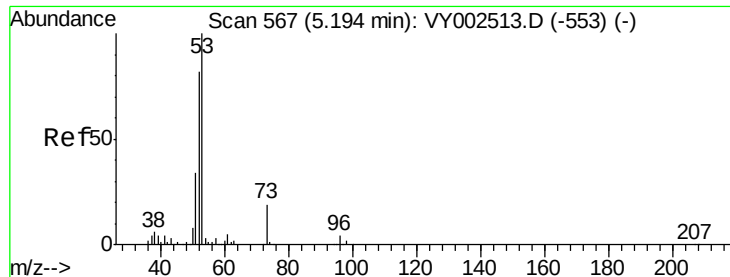


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 98.892 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

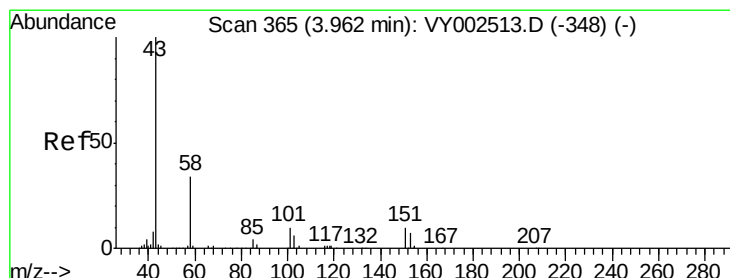
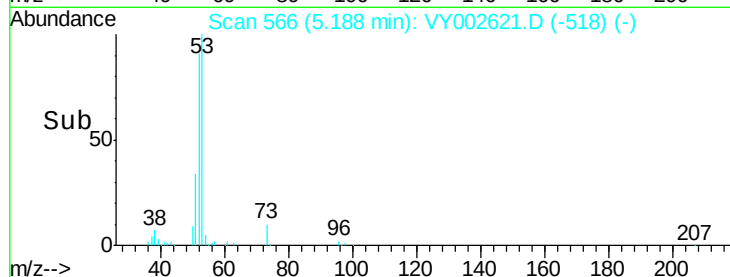
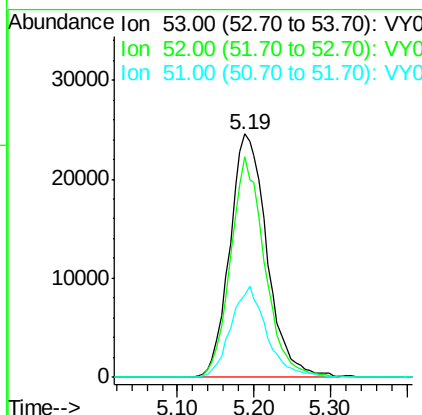
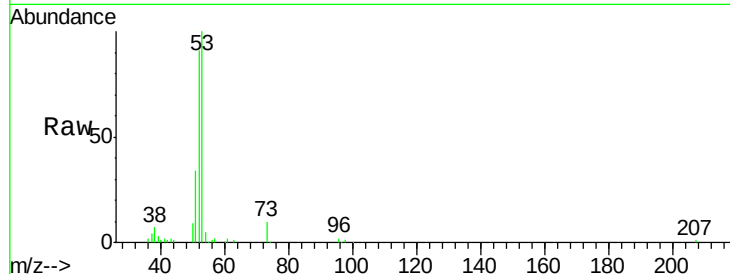
ClientSampleId :

VY0507SBSD01

Tot Ion:	53	Resp:	82726
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.4	98.0
51	36.1	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 92.093 ug/l

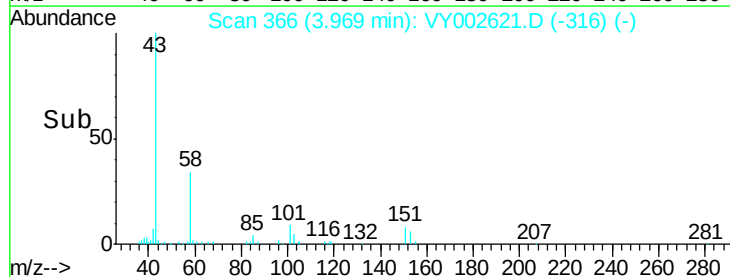
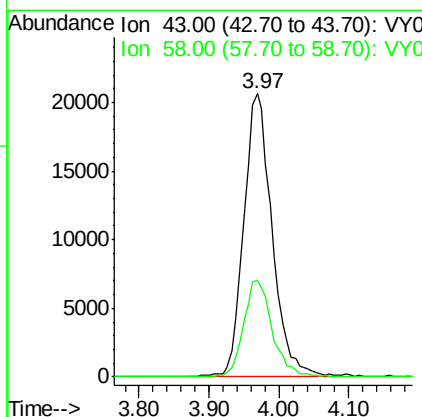
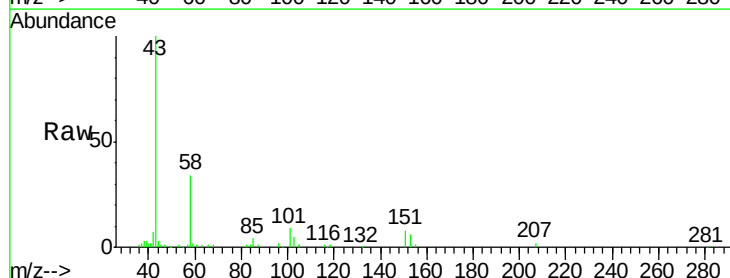
RT: 3.97 min Scan# 366

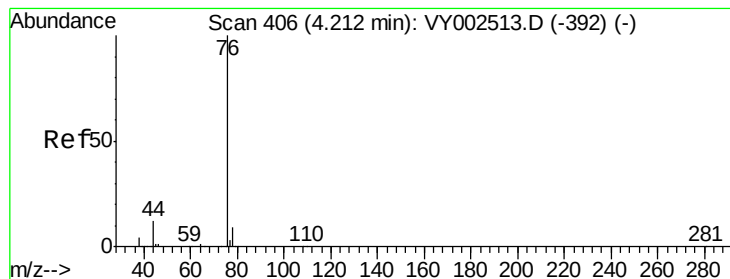
Delta R.T. 0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion:	43	Resp:	58180
Ion	Ratio	Lower	Upper
43	100		
58	34.2	26.9	40.3





#17

Carbon Disulfide

Concen: 17.557 ug/l

RT: 4.21 min Scan# 406

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

Tot Ion: 76 Resp: 165538

Ion Ratio Lower Upper

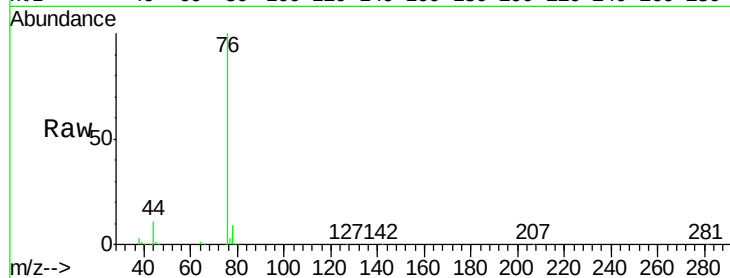
76 100

78 8.8 7.4 11.2

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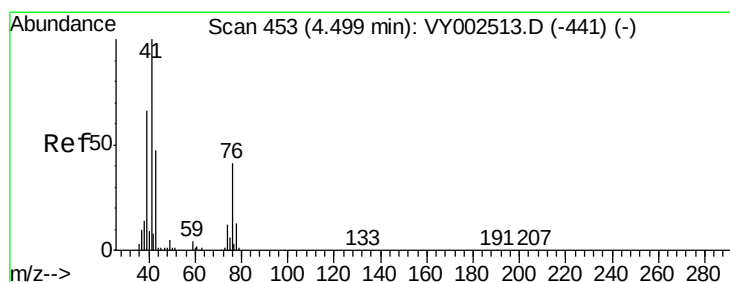
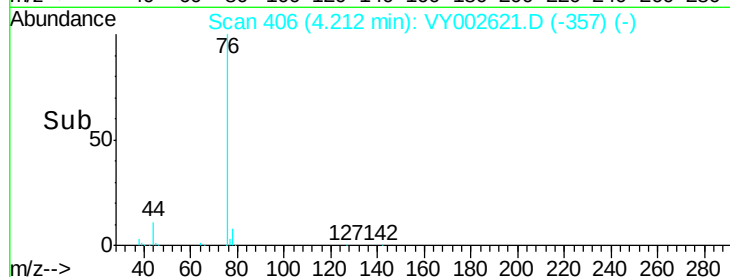
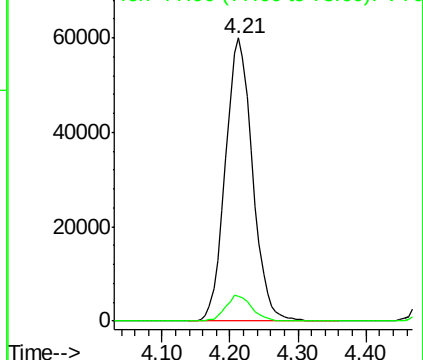
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 19.457 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002621.D

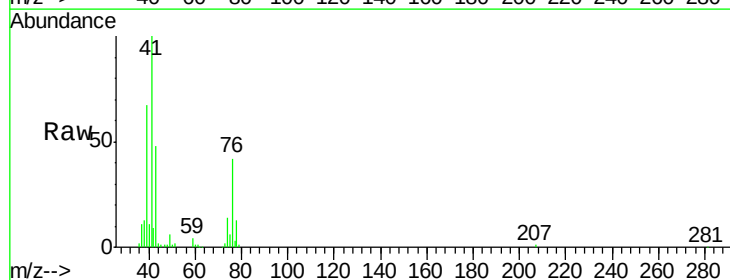
Acq: 07 May 2020 11:25

Tgt Ion: 43 Resp: 41070

Ion Ratio Lower Upper

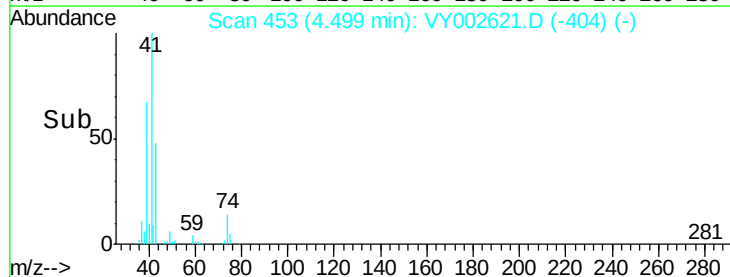
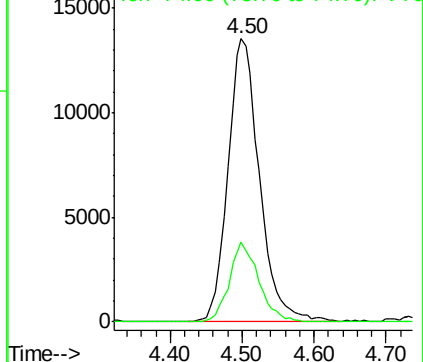
43 100

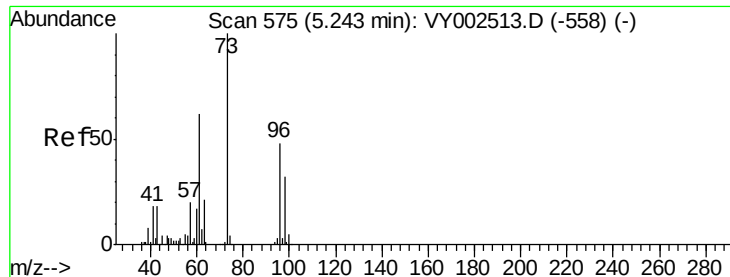
74 26.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





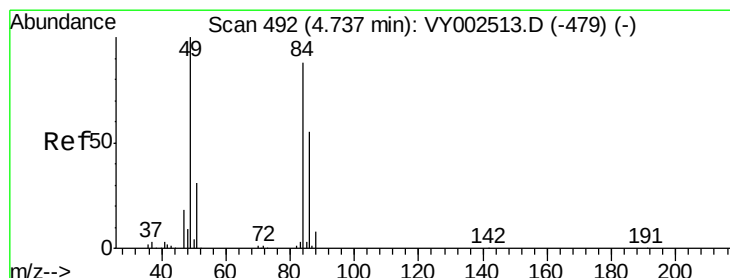
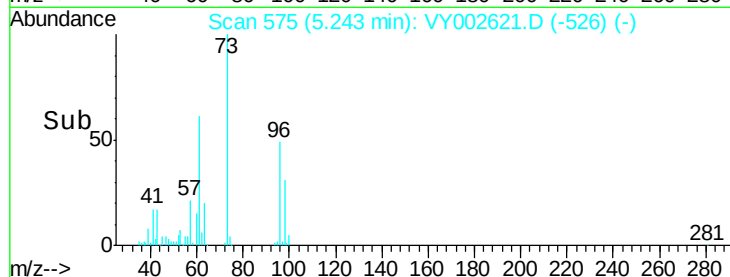
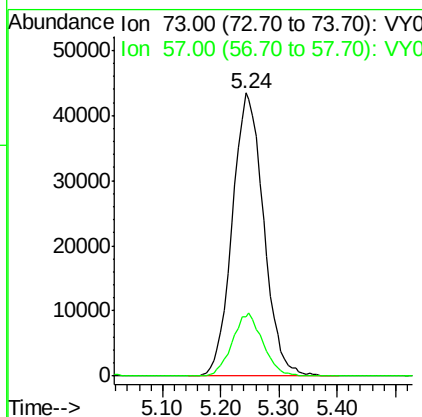
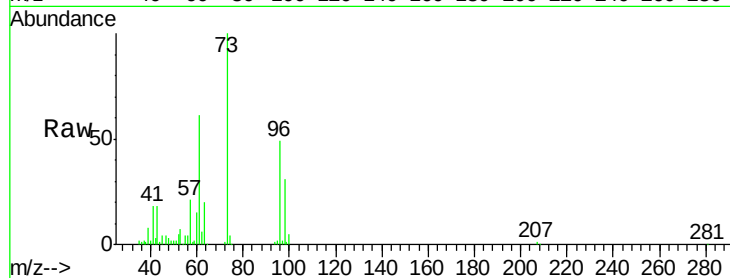
#19
Methyl tert-butyl Ether
Concen: 19.878 ug/l
RT: 5.24 min Scan# 575
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.3	24.5

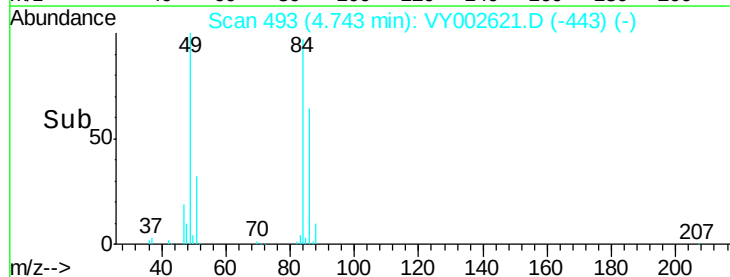
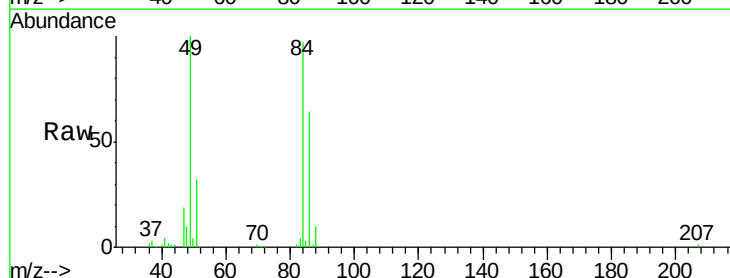
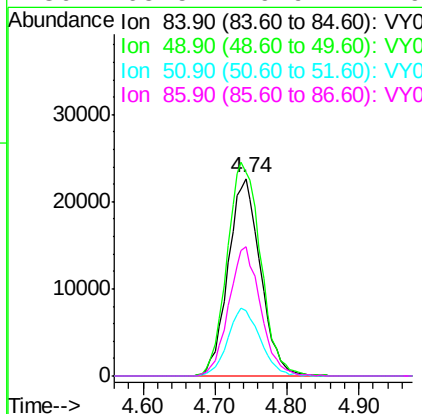
Manual Integrations
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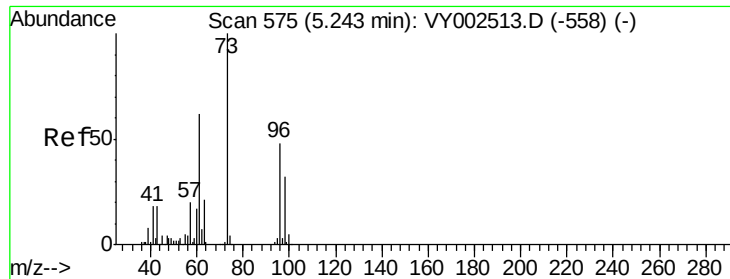
MMDadoda
5/8/2020 1:23:45 PM



#20
Methylene Chloride
Concen: 20.052 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.2	90.5	135.7
51	33.0	28.3	42.5
86	65.5	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.490 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

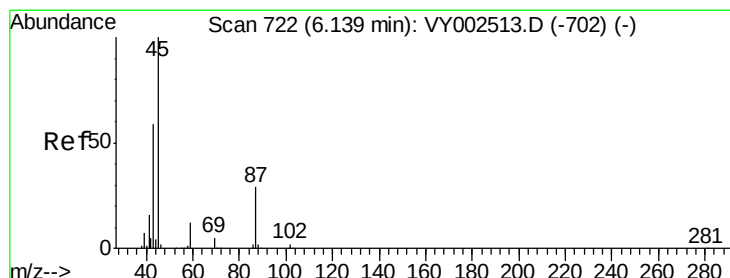
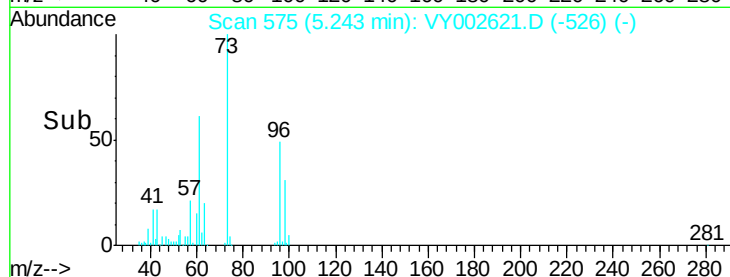
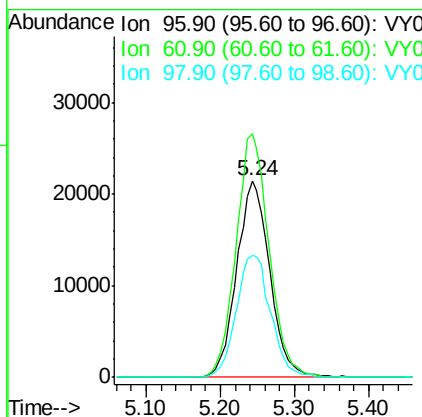
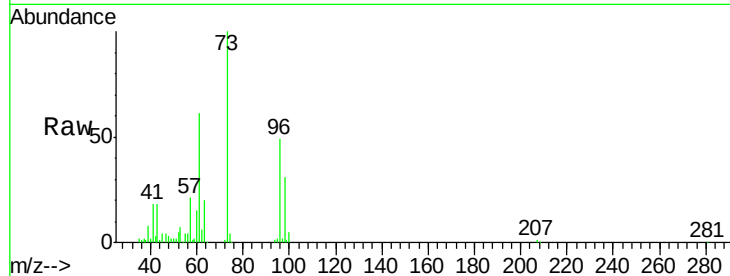
ClientSampleId :

VY0507SBSD01

Tot Ion:	96	Resp:	66763
Ion	Ratio	Lower	Upper
96	100		
61	124.0	102.0	153.0
98	62.3	53.0	79.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.660 ug/l

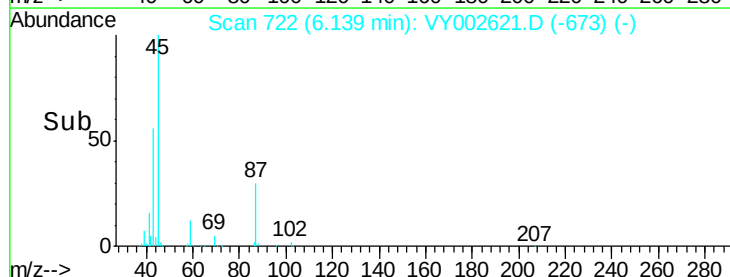
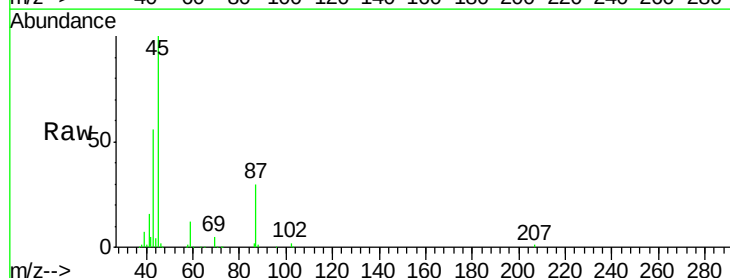
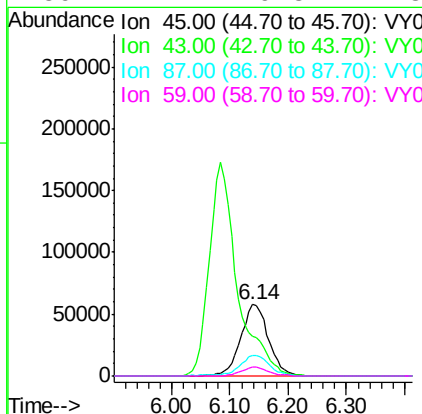
RT: 6.14 min Scan# 722

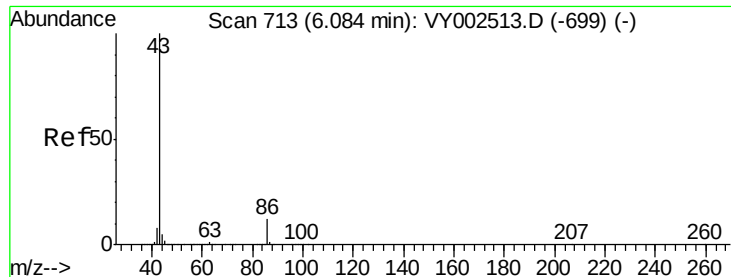
Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion:	45	Resp:	190885
Ion	Ratio	Lower	Upper
45	100		
43	56.0	47.4	71.0
87	29.6	24.0	36.0
59	12.1	9.8	14.8





#23

Vinyl Acetate

Concen: 99.097 ug/l

RT: 6.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

Tot Ion: 43 Resp: 575824

Ion Ratio Lower Upper

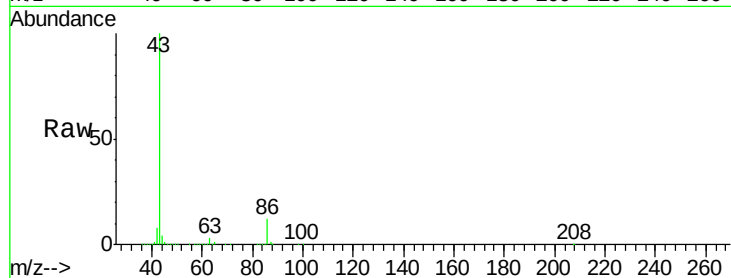
43 100

86 11.5 9.8 14.6

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

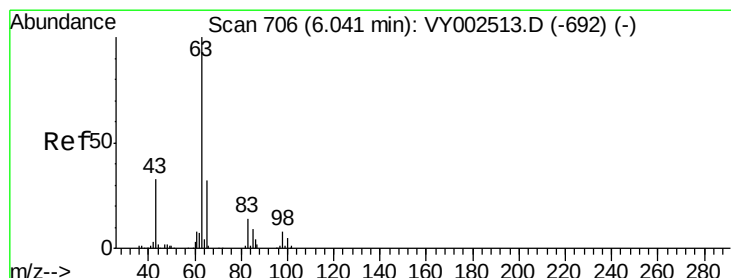
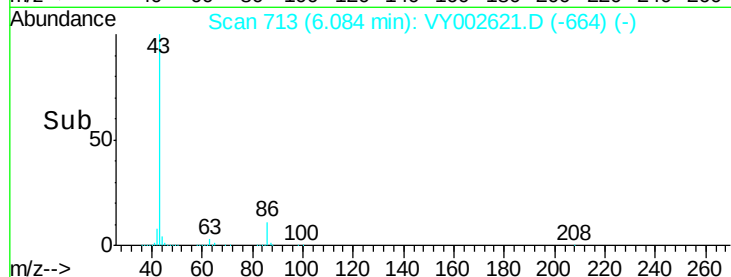
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 20.102 ug/l

RT: 6.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

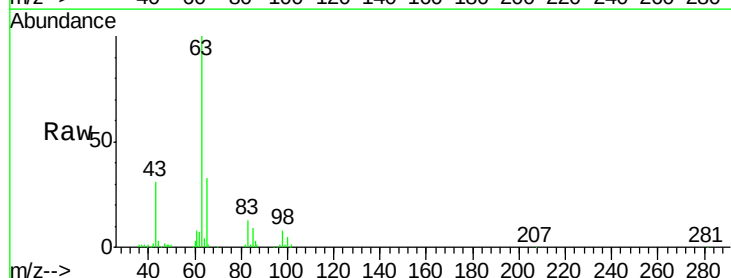
Tgt Ion: 63 Resp: 109880

Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.7

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.04

40000

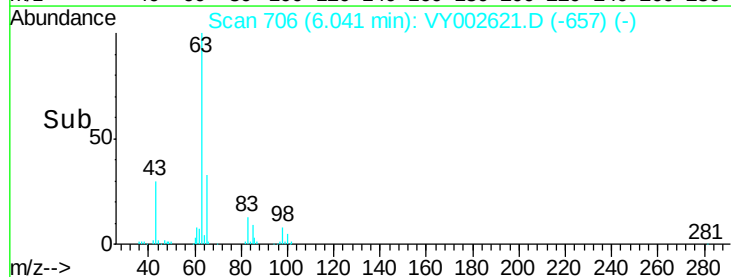
30000

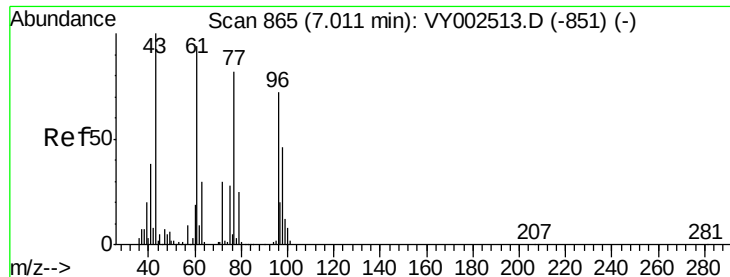
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 95.475 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

Tot Ion: 43 Resp: 98735

Ion Ratio Lower Upper

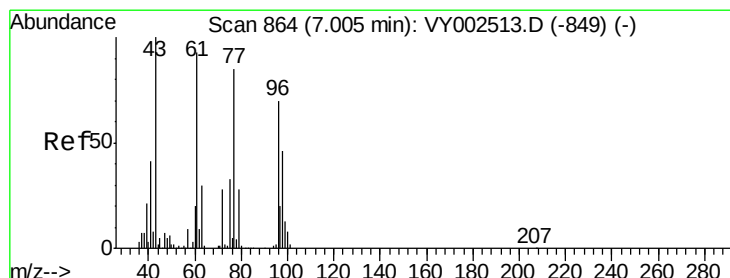
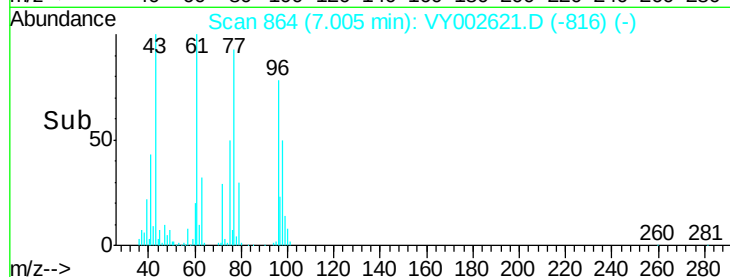
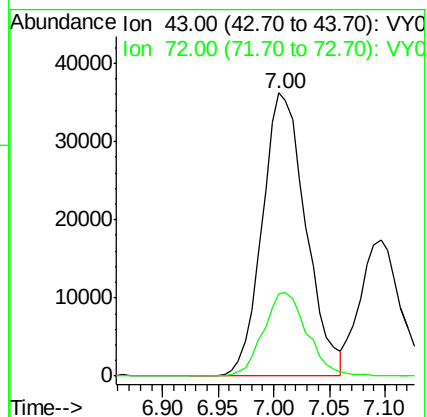
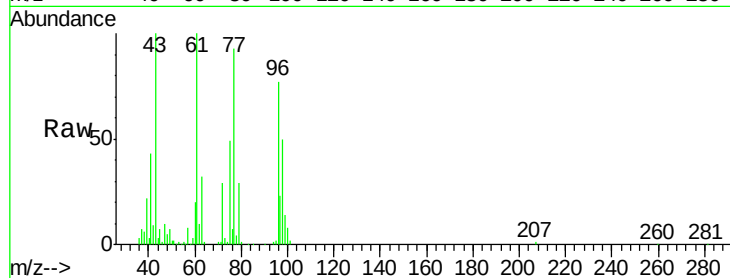
43 100

72 29.0 24.1 36.1

Manual Integrations
APPROVED

MMDadoda

5/8/2020 1:23:45 PM



#26

2,2-Dichloropropane

Concen: 19.514 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002621.D

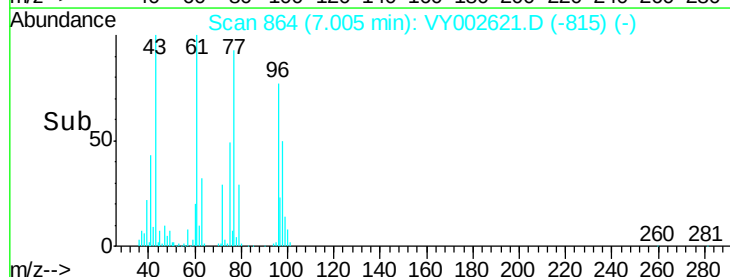
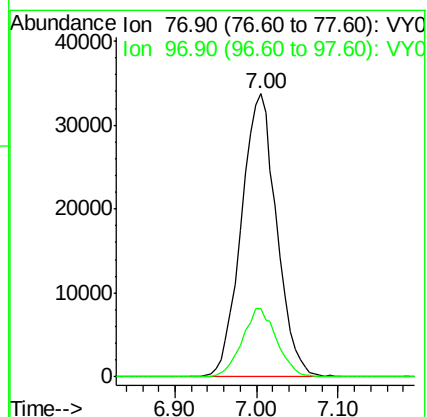
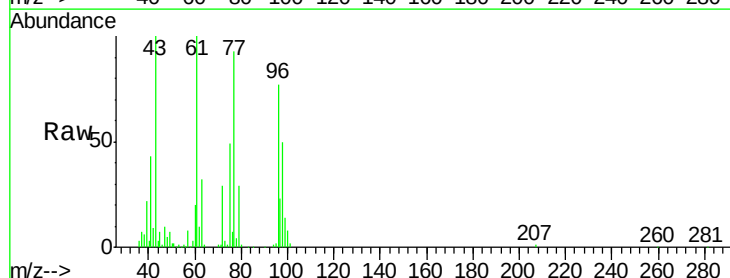
Acq: 07 May 2020 11:25

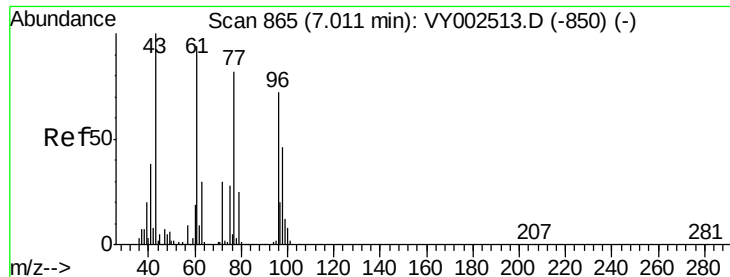
Tgt Ion: 77 Resp: 101387

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5





#27

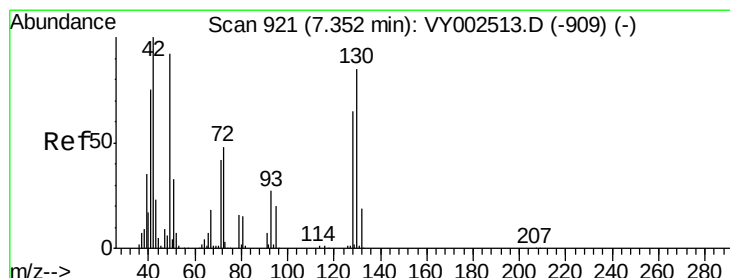
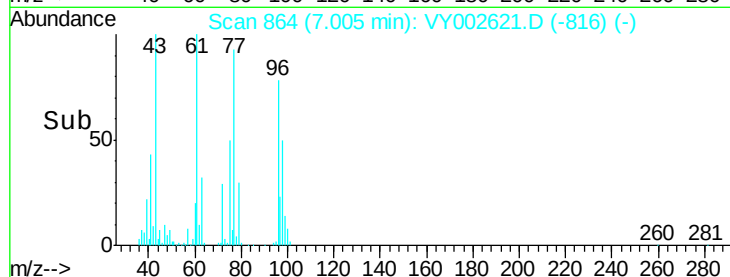
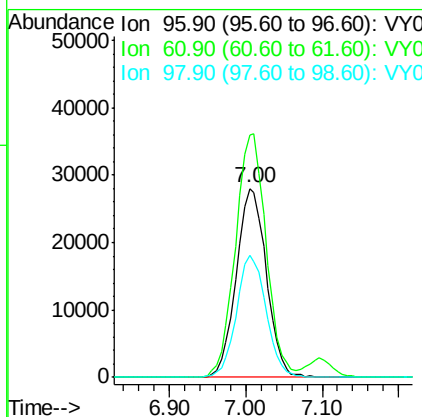
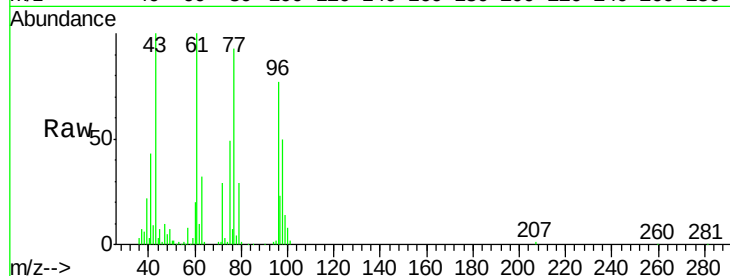
cis-1,2-Dichloroethene
Concen: 20.190 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	266.6
98	63.6	0.0	129.2

Manual Integrations
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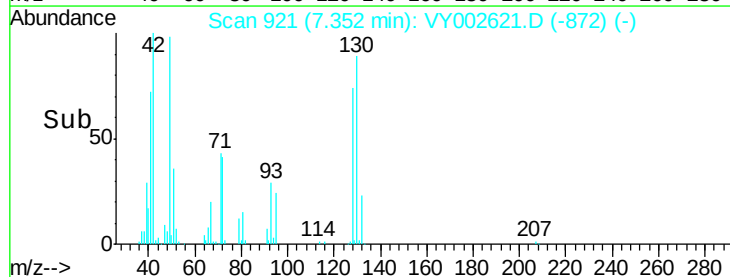
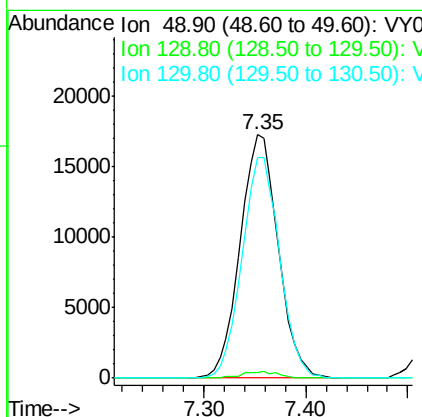
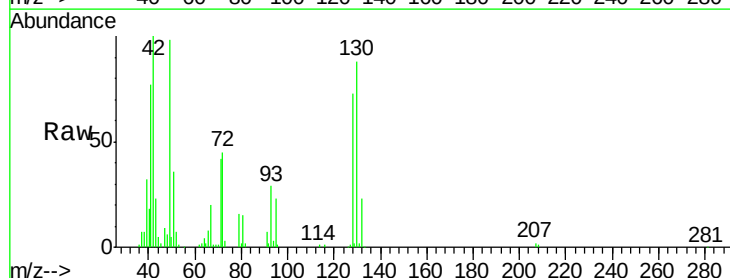
MMDadoda
5/8/2020 1:23:45 PM

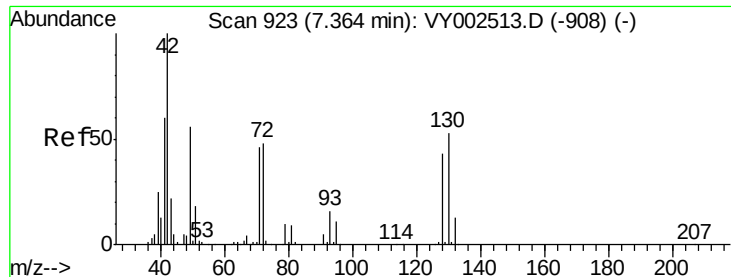


#28

Bromochloromethane
Concen: 19.975 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	89.6	72.5	108.7





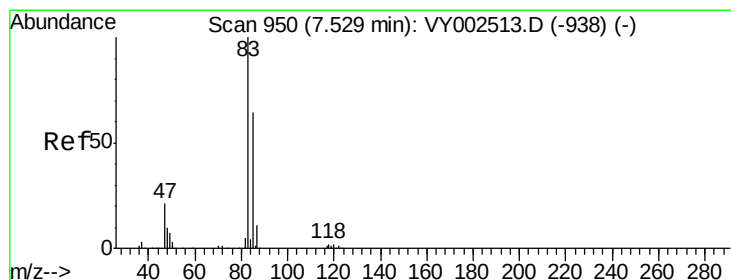
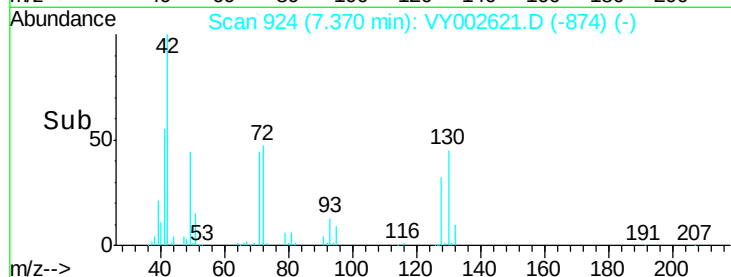
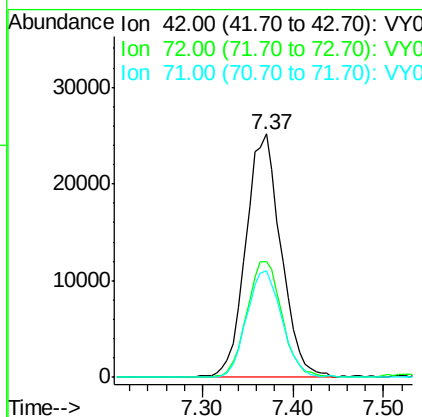
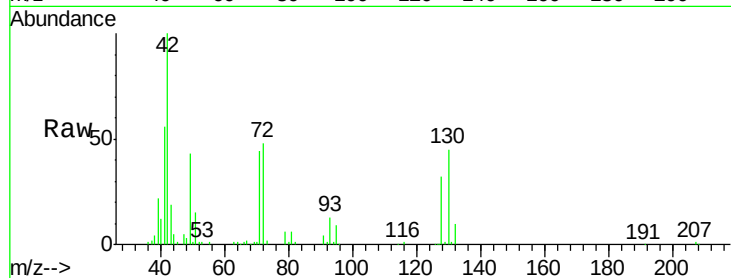
#29
Tetrahydrofuran
Concen: 99.157 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.4	56.2
71	43.8	35.0	52.4

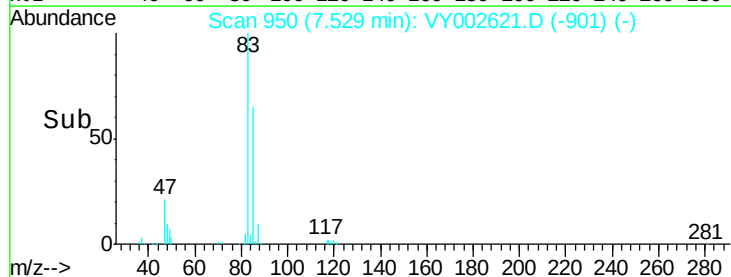
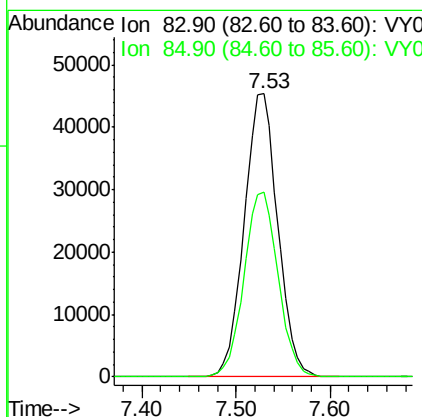
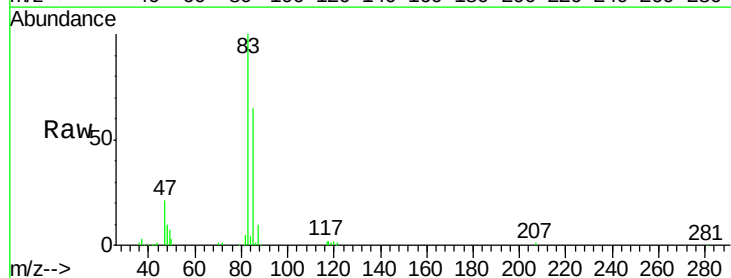
Manual Integrations
APPROVED

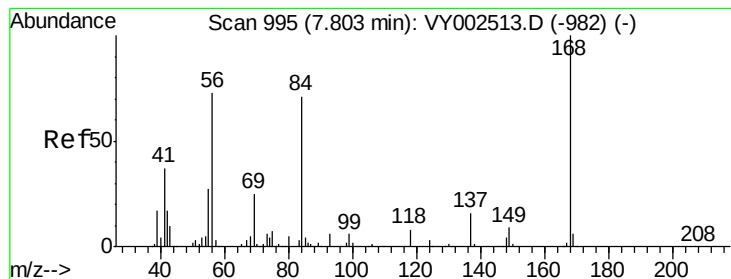
MMDadoda
5/8/2020 1:23:45 PM



#30
Chloroform
Concen: 19.949 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3





#31

Cyclohexane

Concen: 18.830 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

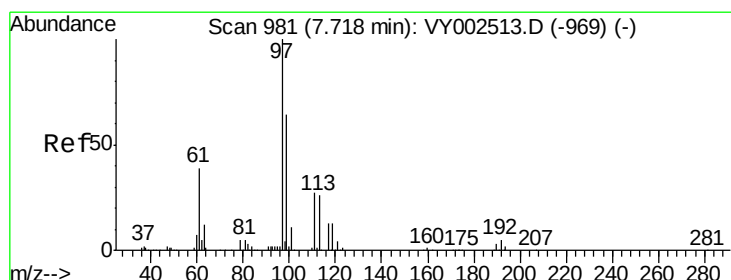
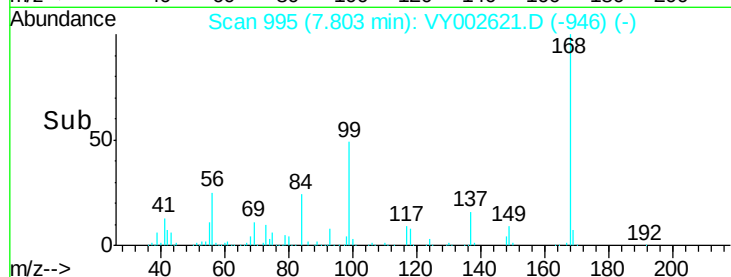
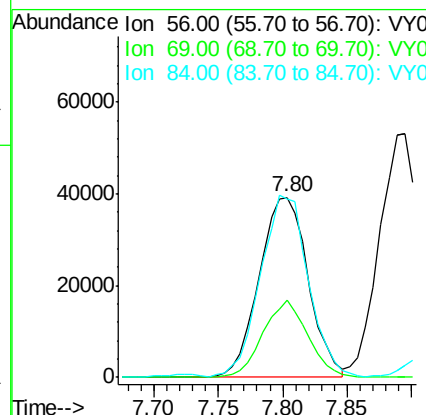
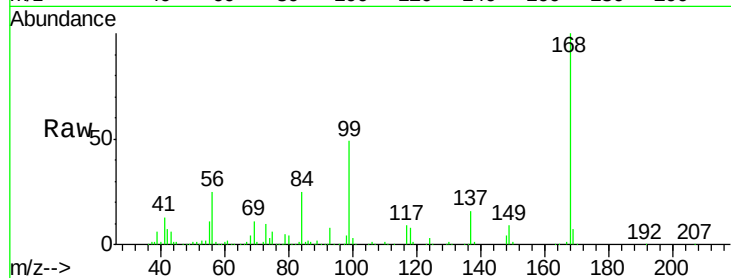
ClientSampleId :

VY0507SBS01

Tot Ion:	56	Resp:	103603
Ion Ratio	Lower	Upper	
56	100		
69	42.8	27.6	41.4#
84	97.5	77.7	116.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.731 ug/l

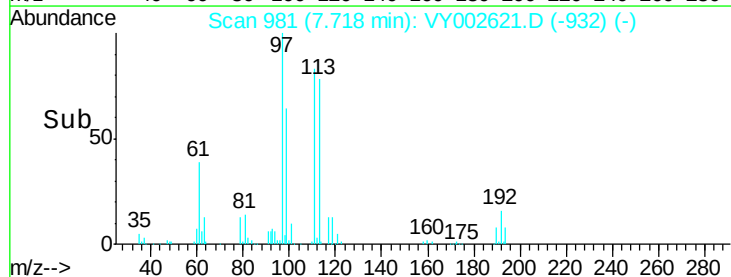
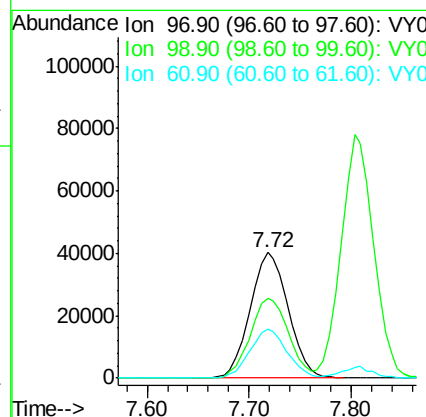
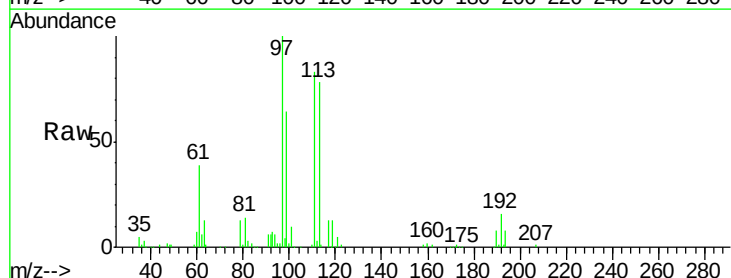
RT: 7.72 min Scan# 981

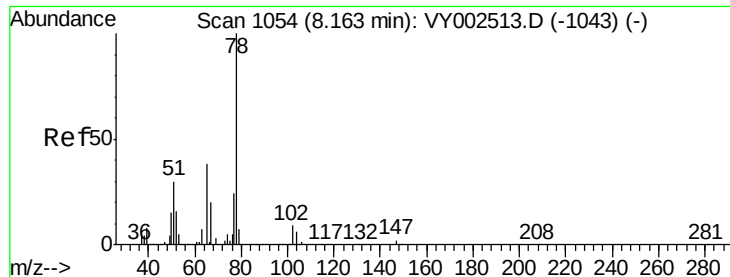
Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion:	97	Resp:	104230
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.9	77.9
61	38.0	31.0	46.6





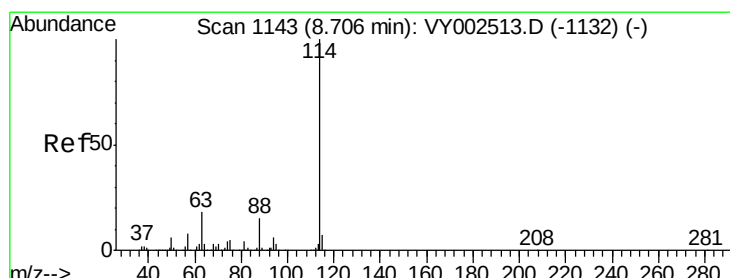
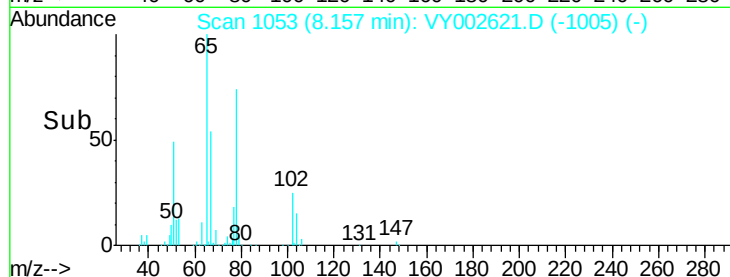
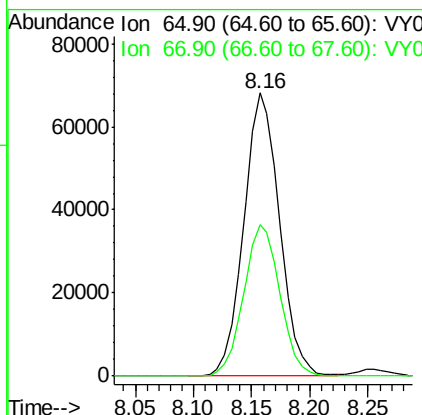
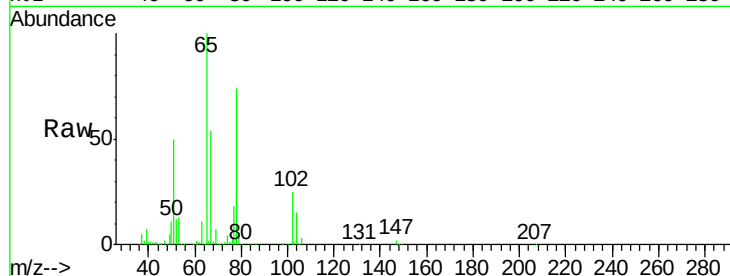
#33
 1,2-Dichloroethane-d4
 Concen: 47.676 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	107.2	

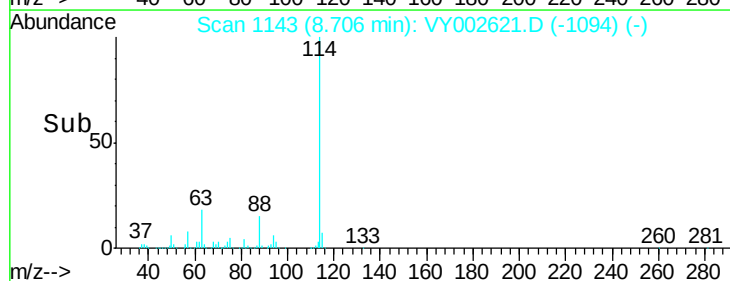
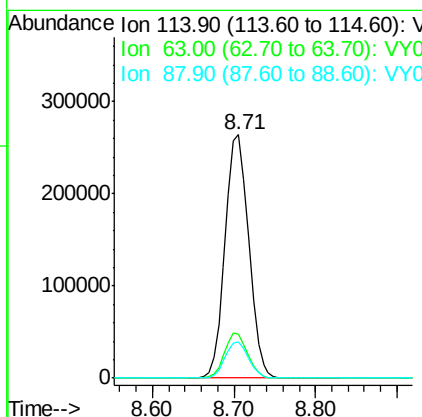
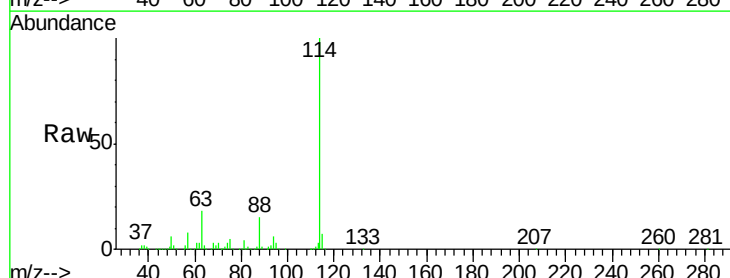
Manual Integrations
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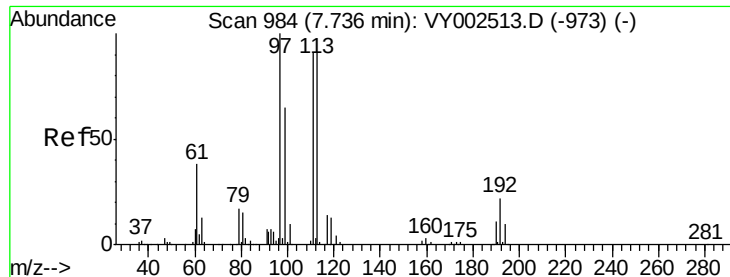
MMDadoda
 5/8/2020 1:23:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.3	0.0	36.4	
88	14.7	0.0	29.6	





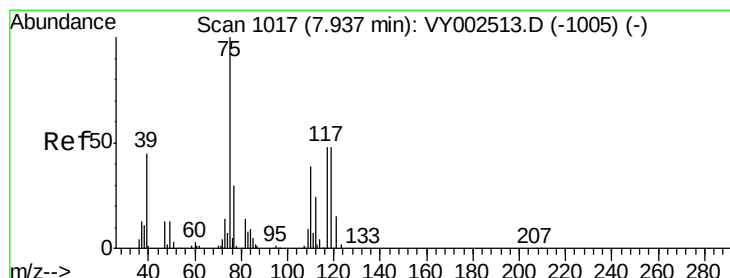
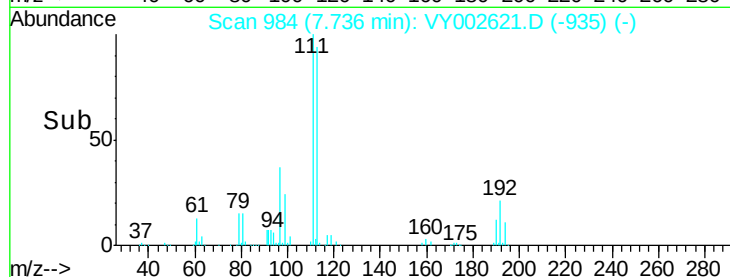
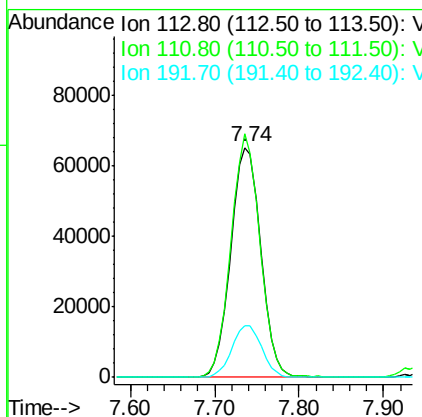
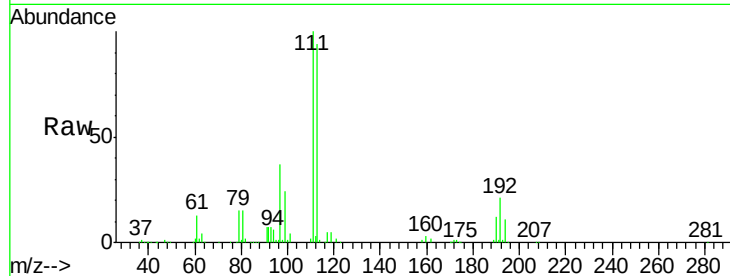
#35
Dibromofluoromethane
Concen: 52.102 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	22.5	18.2	27.4

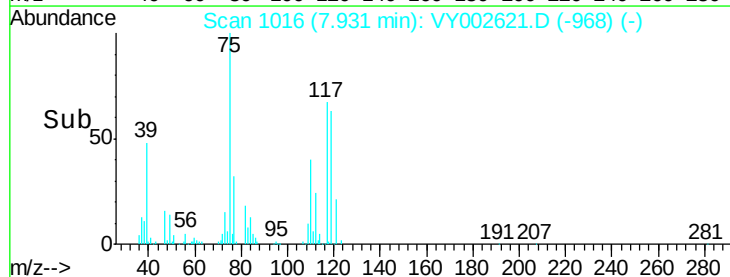
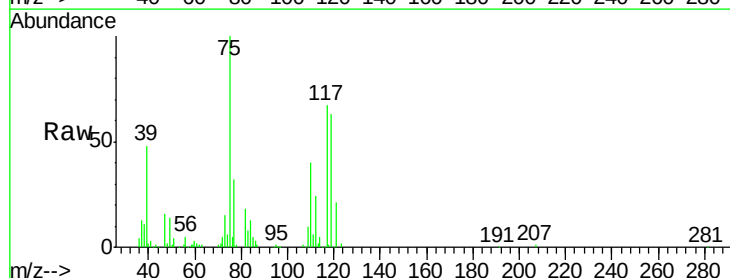
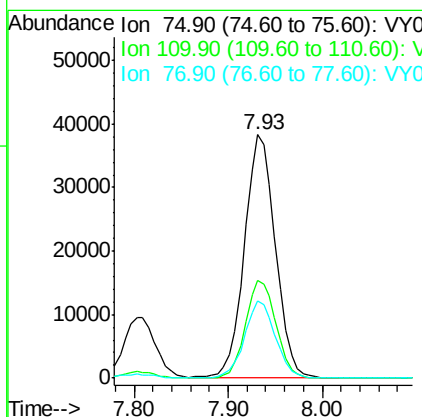
Manual Integrations
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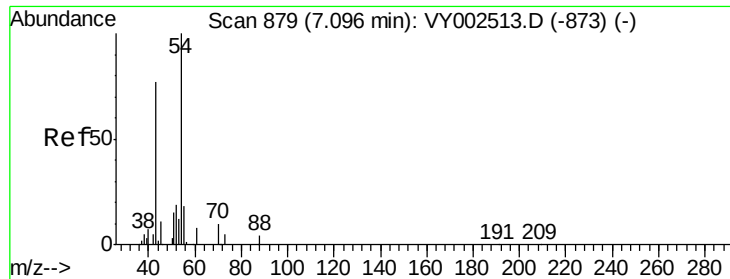
MMDadoda
5/8/2020 1:23:45 PM



#36
1,1-Dichloropropene
Concen: 19.968 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.1	57.3
77	31.6	24.6	37.0





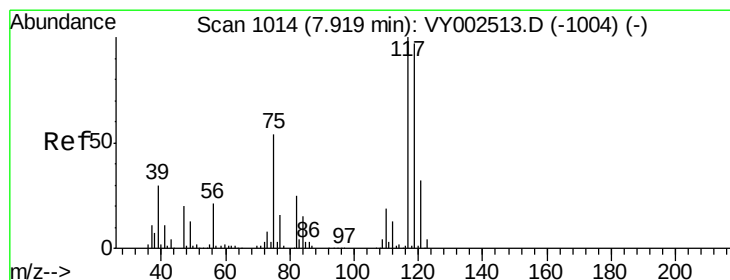
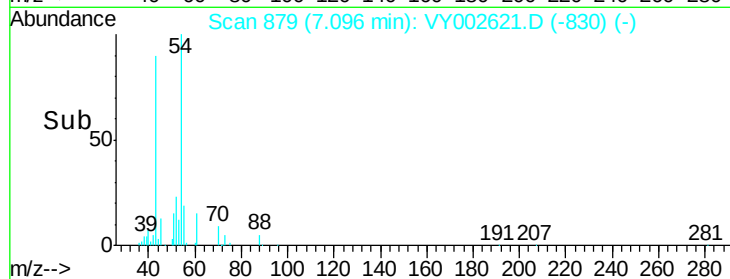
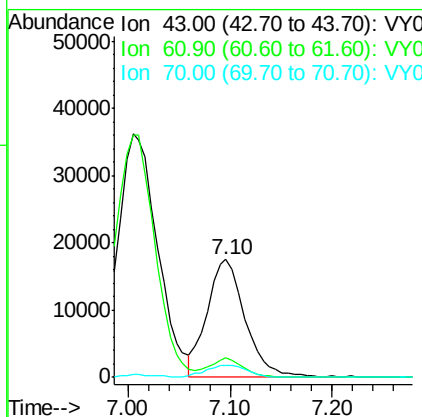
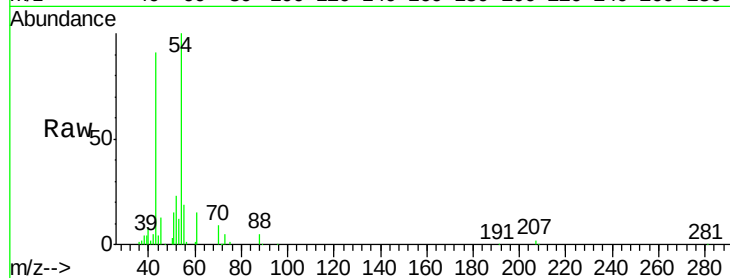
#37
Ethyl Acetate
Concen: 19.896 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.6	17.4
70	11.6	9.0	13.6

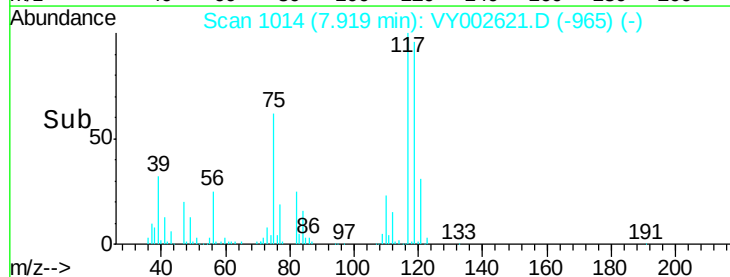
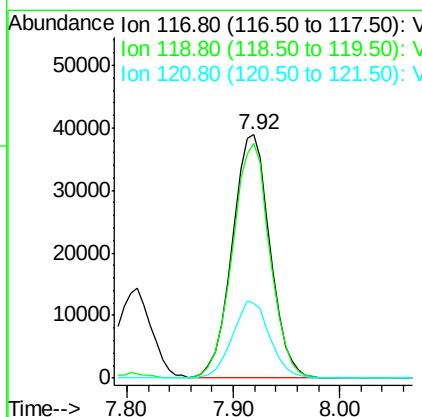
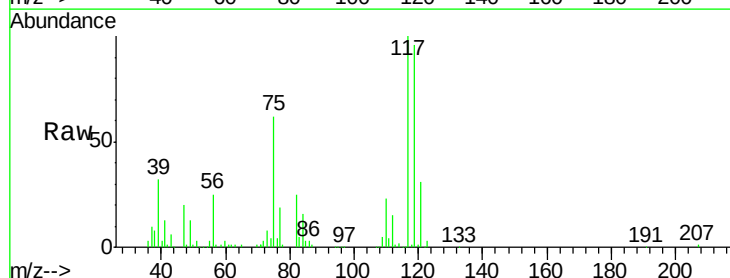
Manual Integrations
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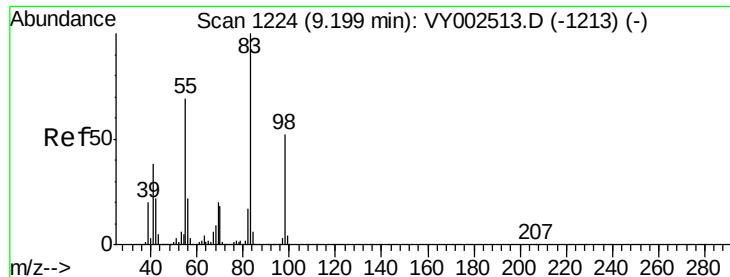
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5/8/2020 1:23:45 PM



#38
Carbon Tetrachloride
Concen: 20.060 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
121	30.6	25.2	37.8





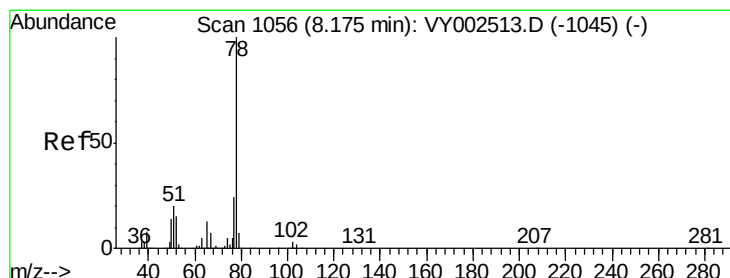
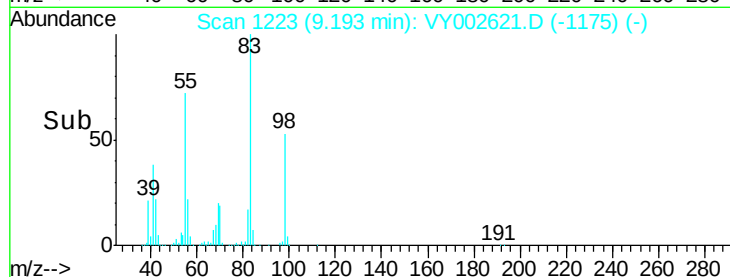
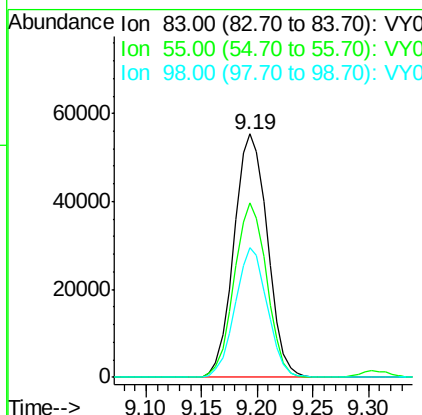
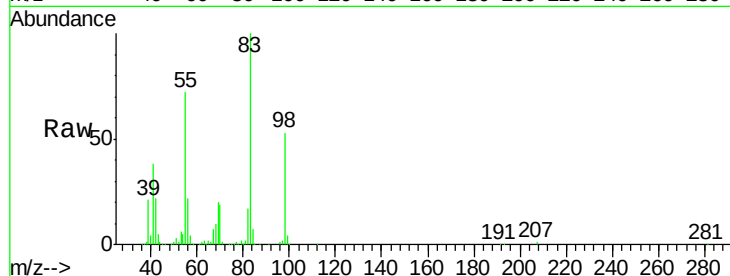
#39
Methylvlcyclohexane
Concen: 19.682 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	55.4	83.0
98	53.2	41.3	61.9

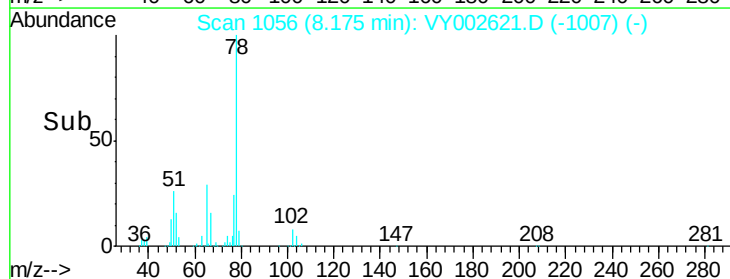
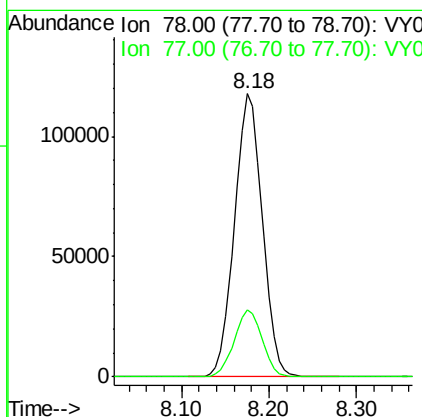
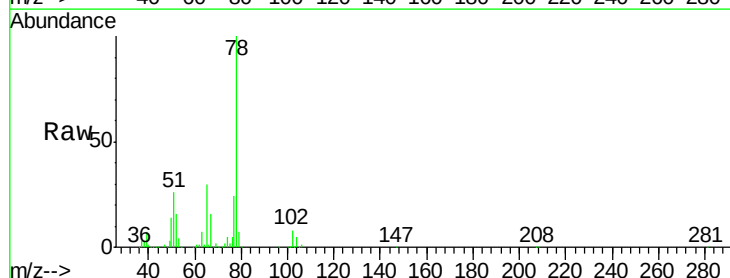
Manual Integrations
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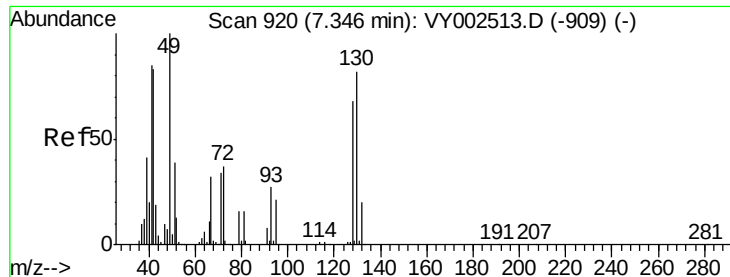
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#40
Benzene
Concen: 20.426 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





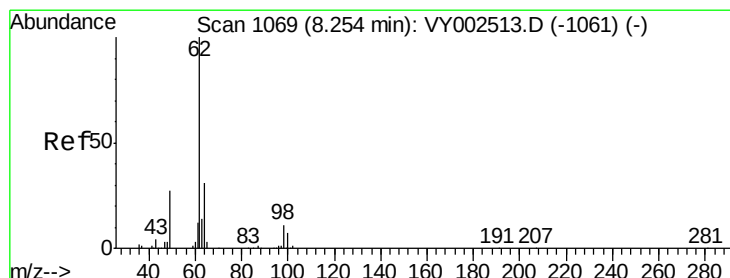
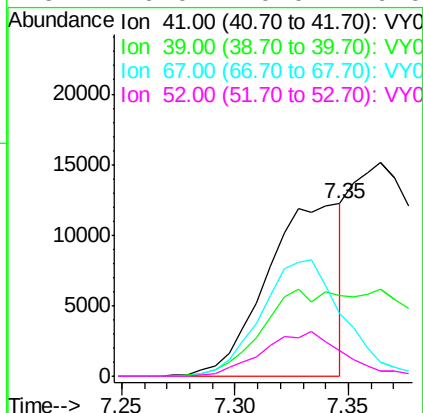
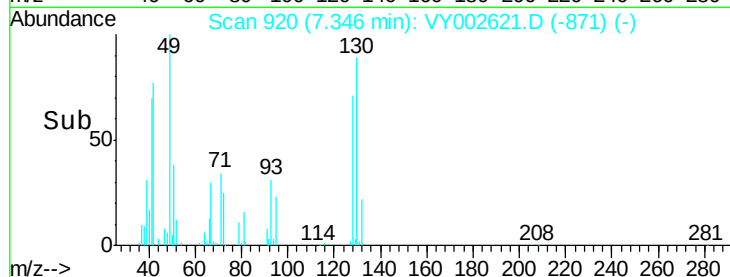
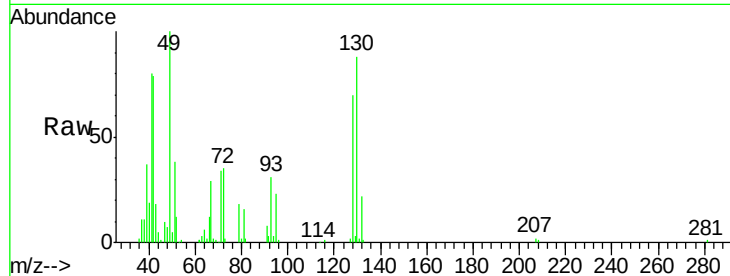
#41
Methacrylonitrile
Concen: 23.026 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

Tot Ion	41	Resp	28150
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

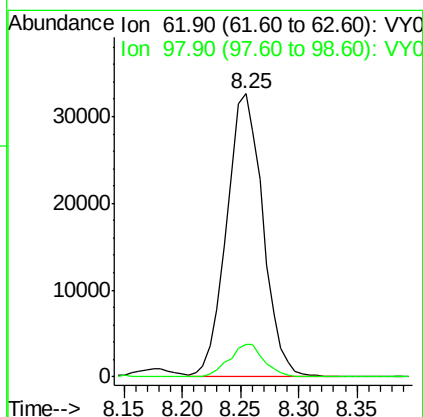
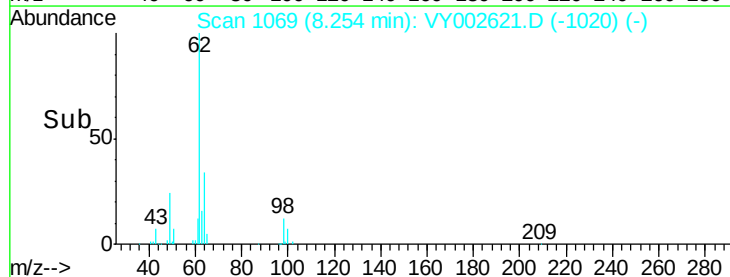
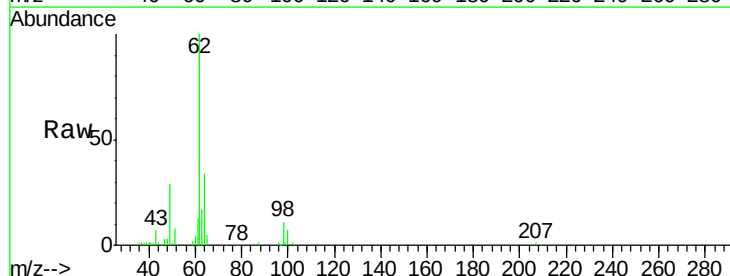
Manual Integrations
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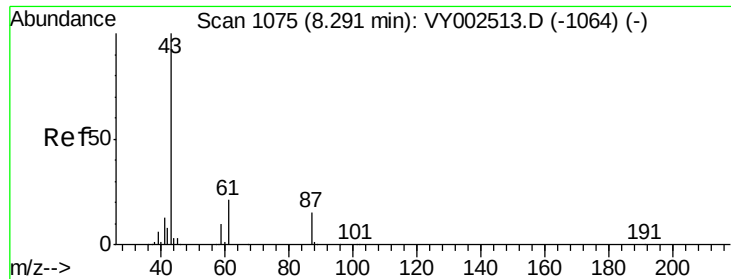
MMDadoda
5/8/2020 1:23:45 PM



#42
1,2-Dichloroethane
Concen: 19.758 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	62	Resp	70823
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.0





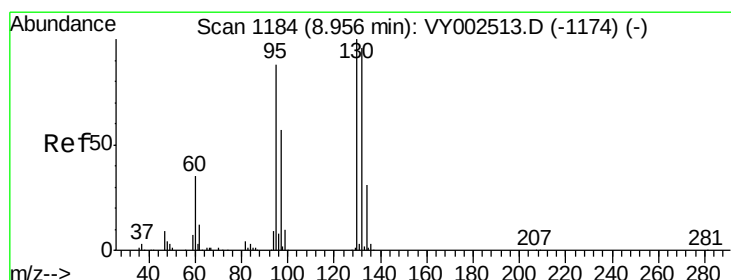
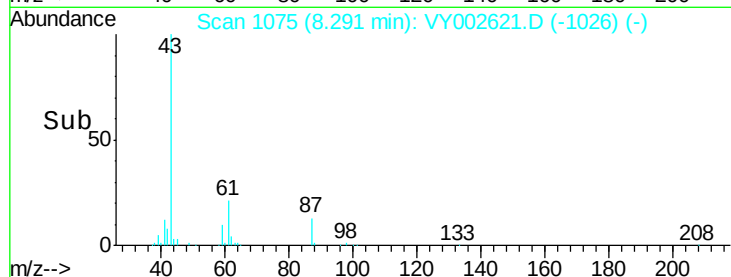
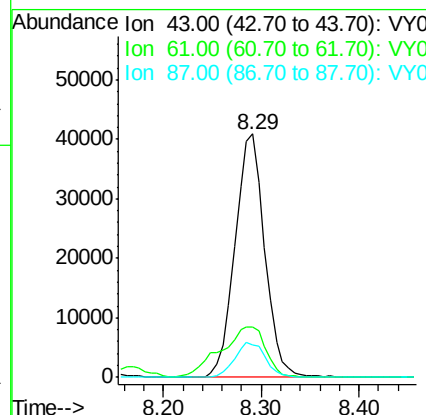
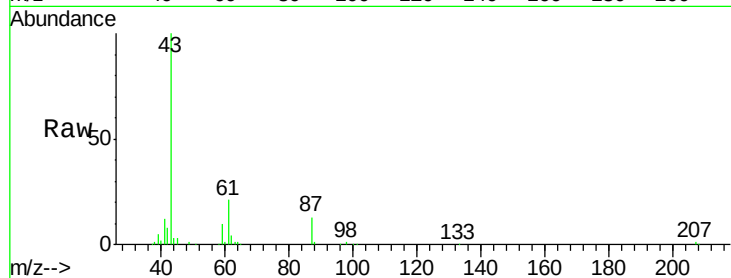
#43
Isopropyl Acetate
Concen: 20.199 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.8	37.2
87	14.8	12.2	18.2

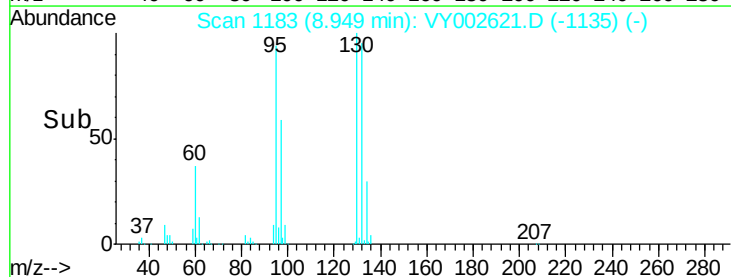
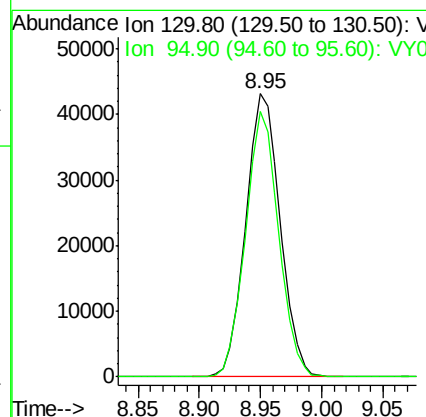
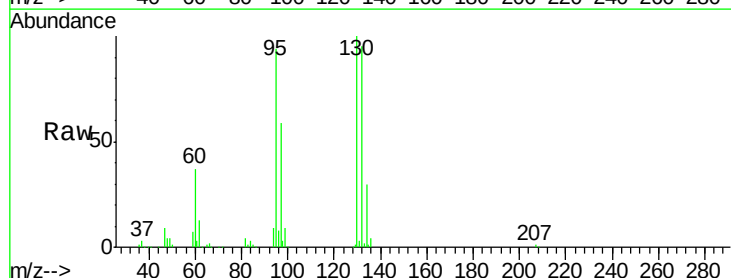
Manual Integrations
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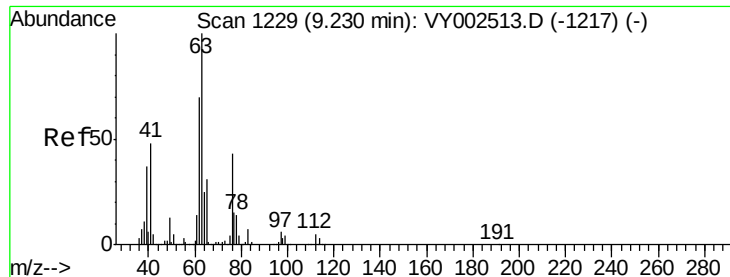
MMDadoda
5/8/2020 1:23:45 PM



#44
Trichloroethene
Concen: 21.161 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	175.8





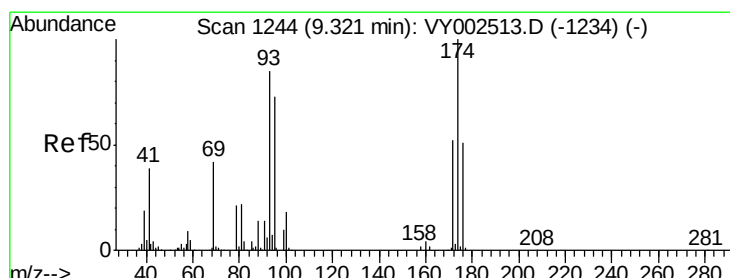
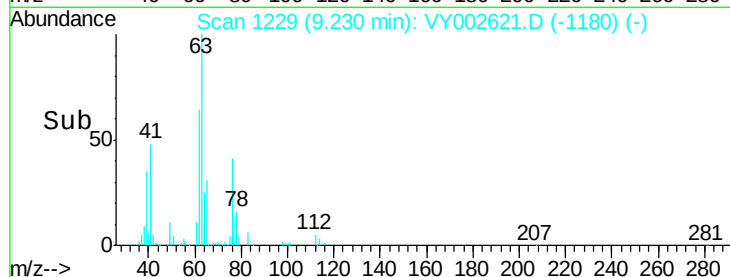
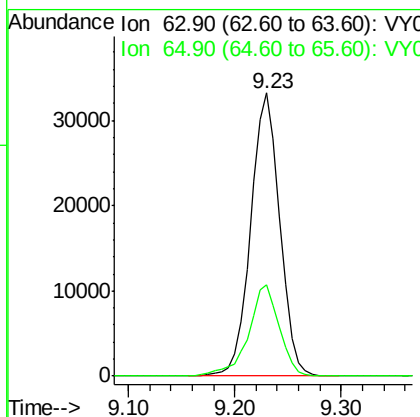
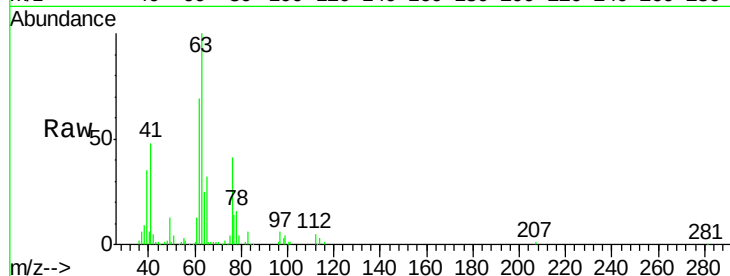
#45
 1,2-Dichloropropane
 Concen: 20.651 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.5	36.7

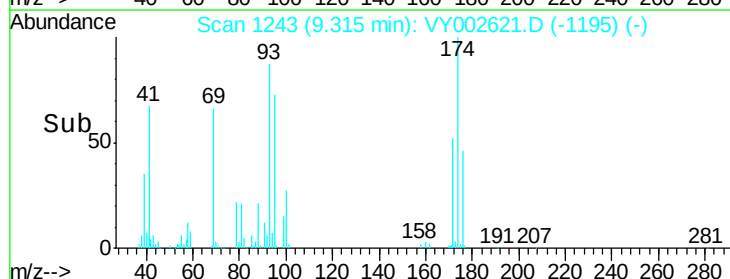
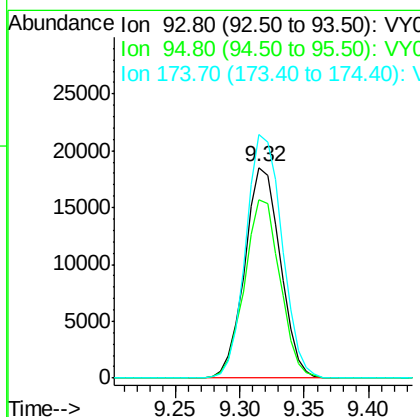
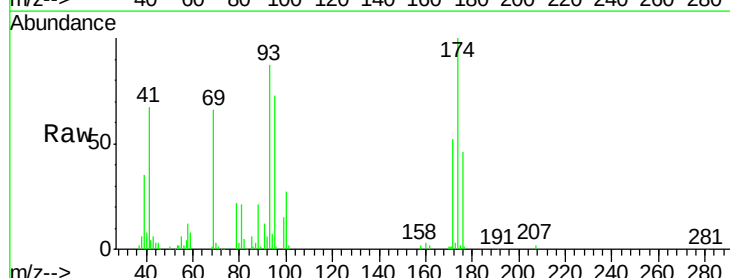
Manual Integrations
 APPROVED

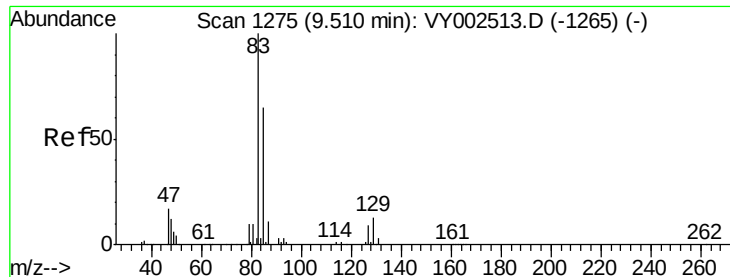
MMDadoda
 5/8/2020 1:23:45 PM



#46
 Dibromomethane
 Concen: 19.914 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	67.0	100.4
174	117.4	92.7	139.1





#47

Bromodichloromethane

Concen: 20.432 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

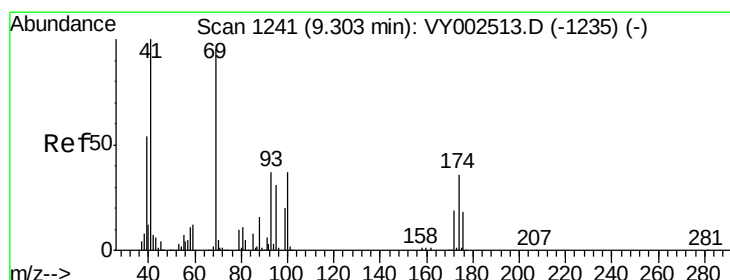
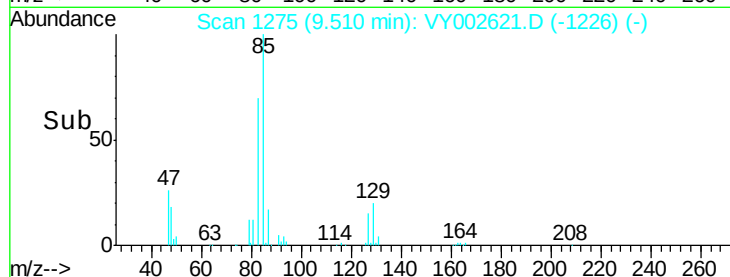
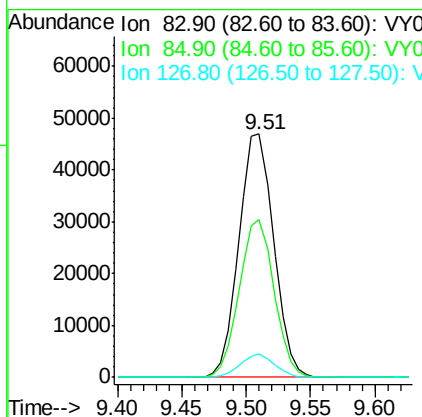
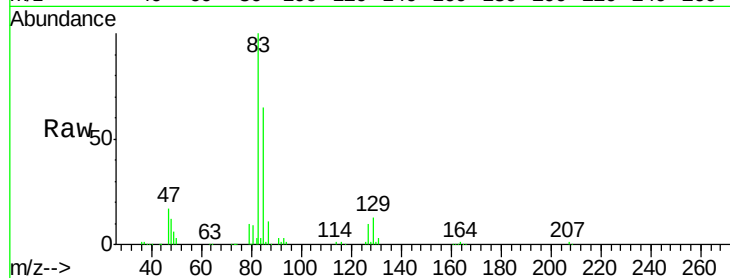
ClientSampleId :

VY0507SBSD01

Tot Ion:	83	Resp:	88159
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8
127	9.7	7.4	11.0

Manual Integrations
APPROVED

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5/8/2020 1:23:45 PM



#48

Methyl methacrylate

Concen: 19.737 ug/l

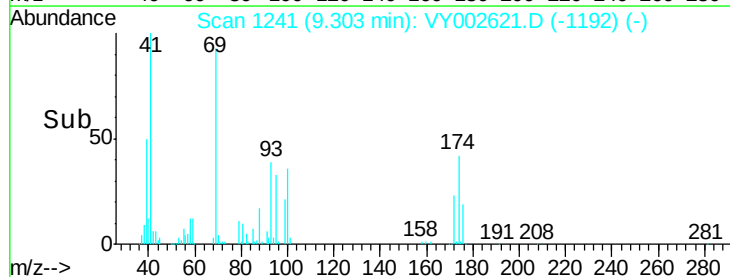
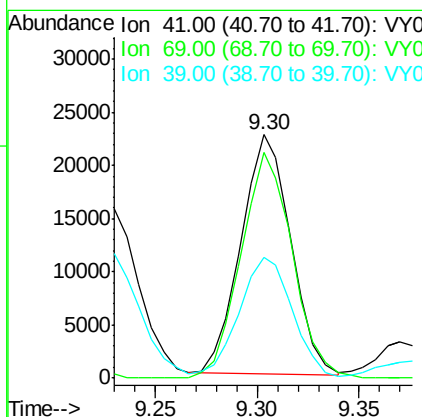
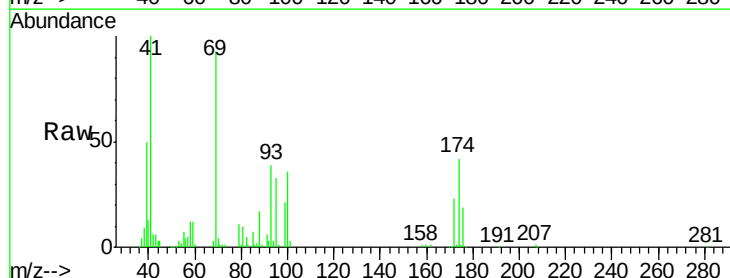
RT: 9.30 min Scan# 1241

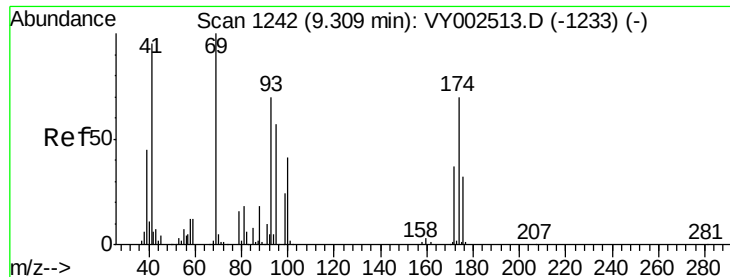
Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion:	41	Resp:	38075
Ion	Ratio	Lower	Upper
41	100		
69	97.7	76.2	114.4
39	52.1	42.7	64.1





#49

1,4-Dioxane

Concen: 437.487 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

Tot Ion: 88 Resp: 10279

Ion Ratio Lower Upper

88 100

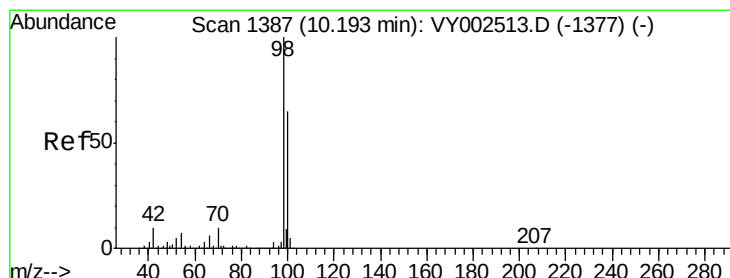
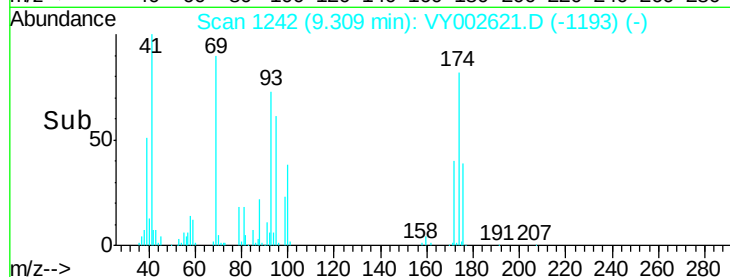
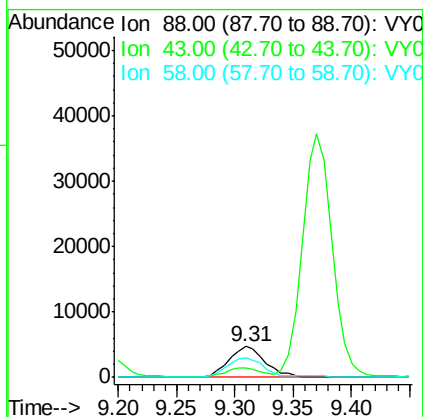
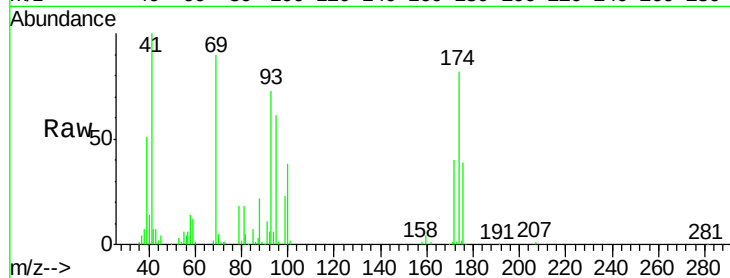
43 30.6 22.8 34.2

58 64.0 51.4 77.2

Manual Integrations
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#50

Toluene-d8

Concen: 52.201 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002621.D

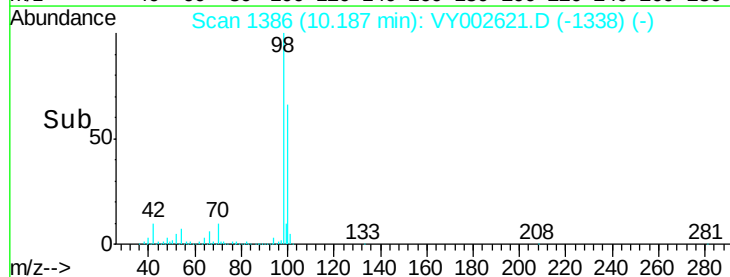
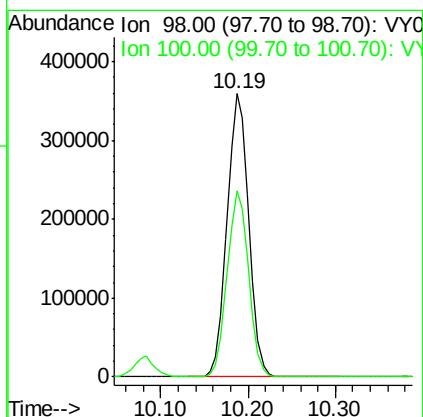
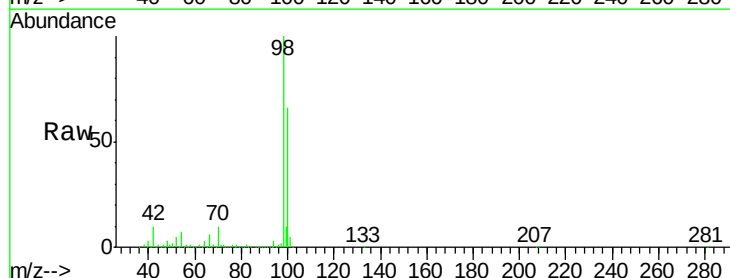
Acq: 07 May 2020 11:25

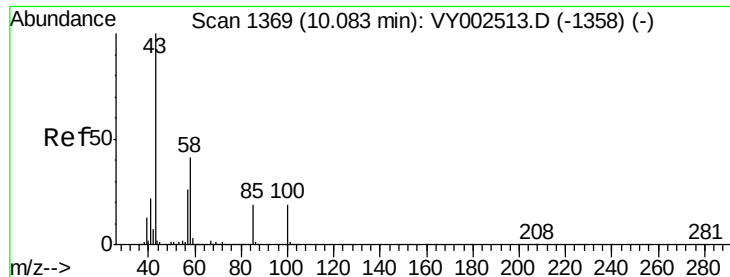
Tgt Ion: 98 Resp: 615341

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2





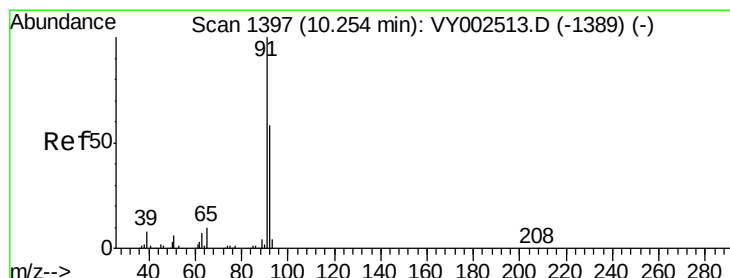
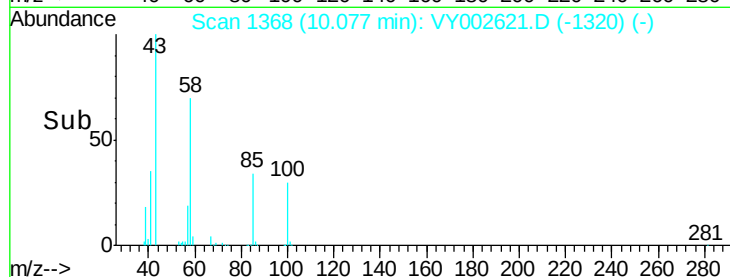
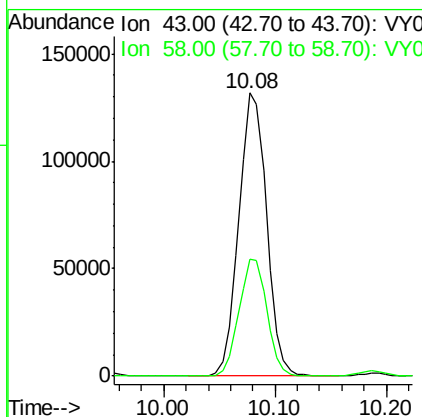
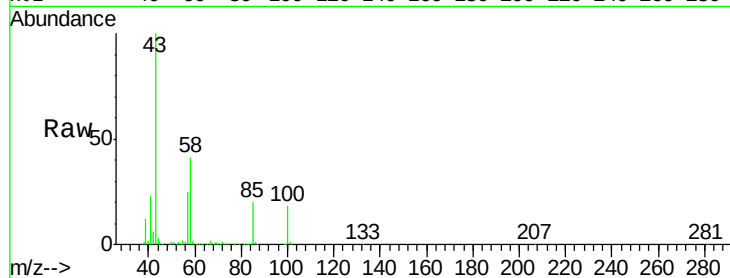
#51
4-Methyl-2-Pentanone
Concen: 104.056 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.5	33.2	49.8

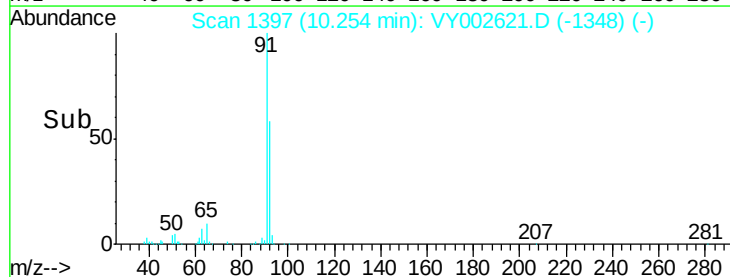
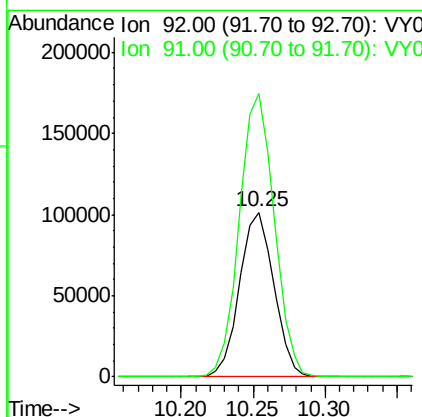
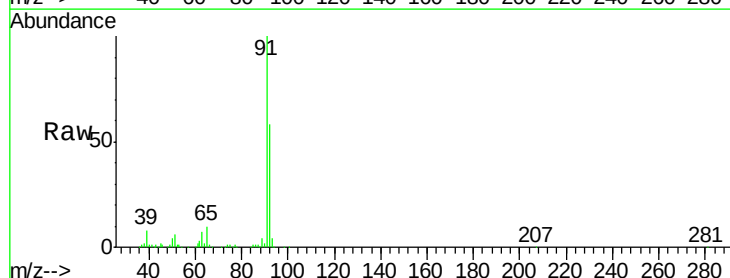
Manual Integrations
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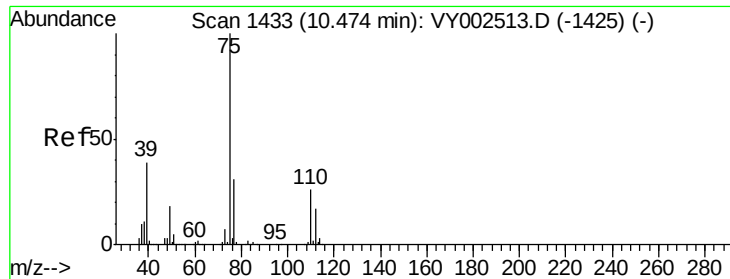
MMDadoda
5/8/2020 1:23:45 PM



#52
Toluene
Concen: 20.452 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.7	139.3	208.9





#53

t-1,3-Dichloropropene

Concen: 20.208 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

Tot Ion: 75 Resp: 91359

Ion Ratio Lower Upper

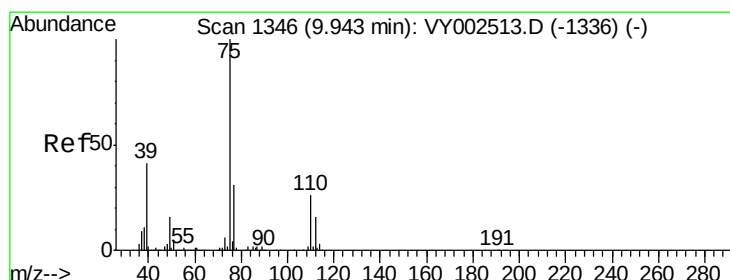
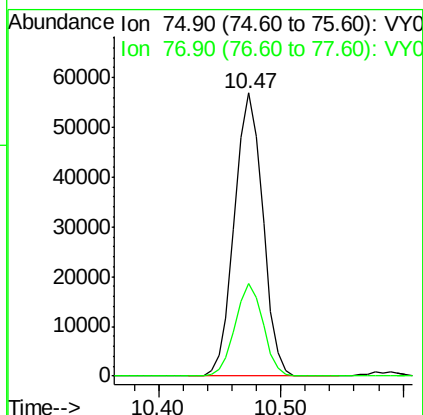
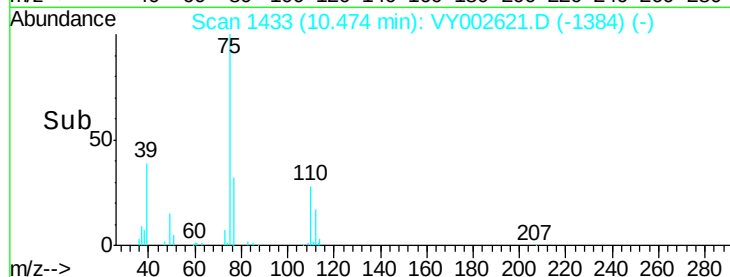
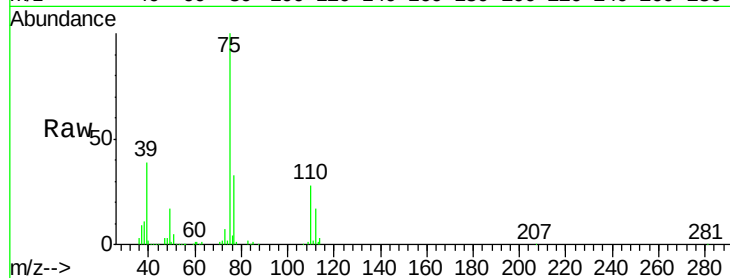
75 100

77 32.8 25.0 37.6

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.588 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

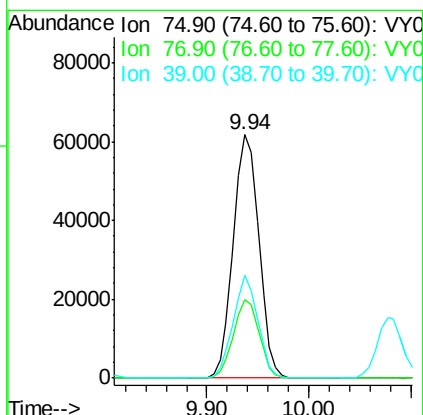
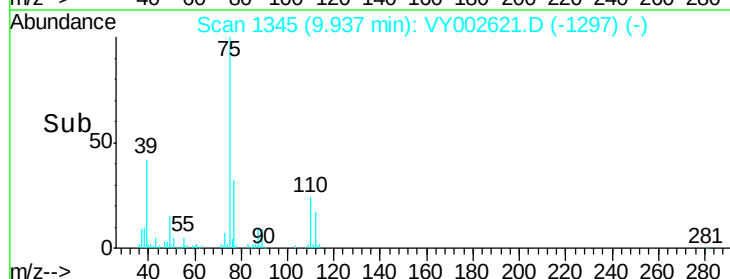
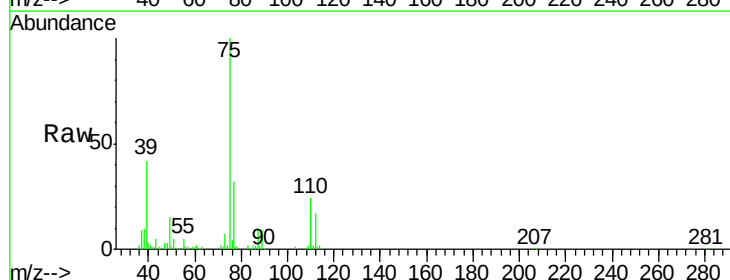
Tgt Ion: 75 Resp: 107603

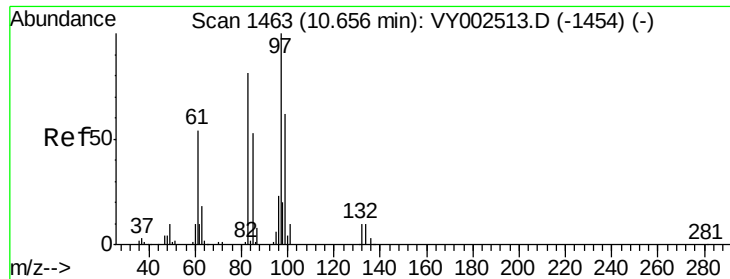
Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 42.1 32.7 49.1





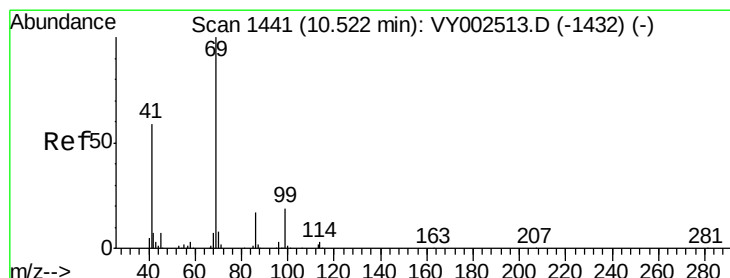
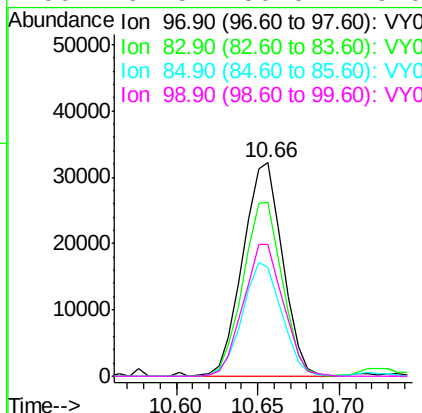
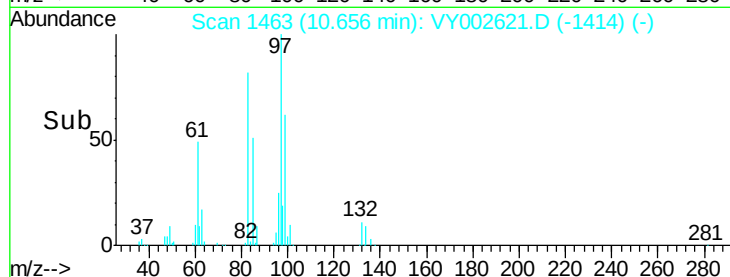
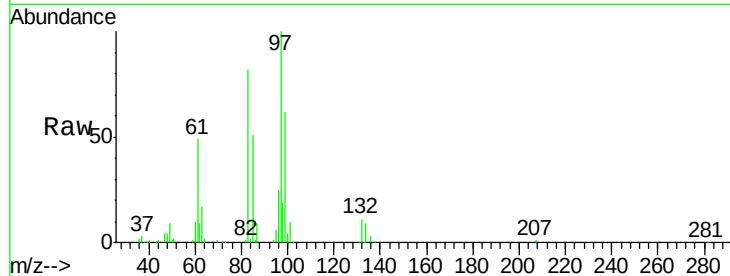
#55
 1,1,2-Trichloroethane
 Concen: 21.181 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		54811		
83	81.6	65.1	97.7		
85	51.0	42.7	64.1		
99	61.5	50.0	75.0		

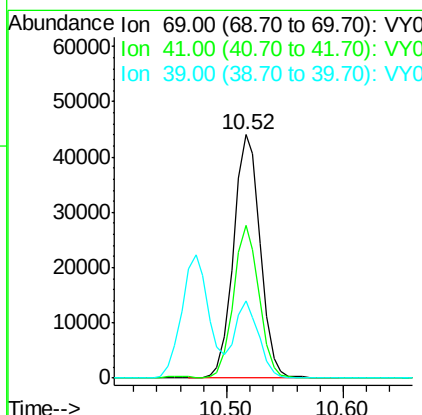
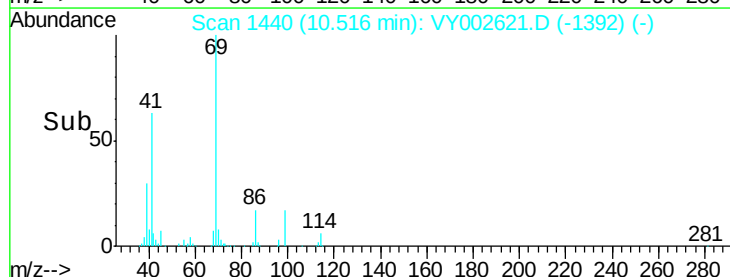
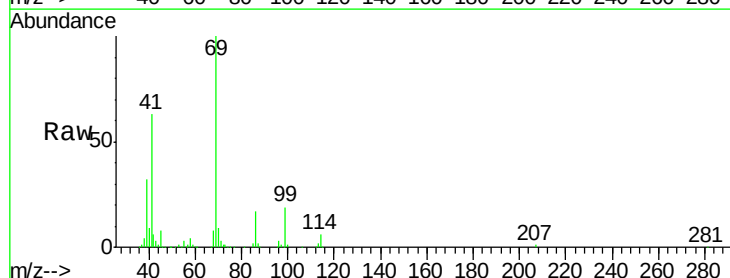
Manual Integrations
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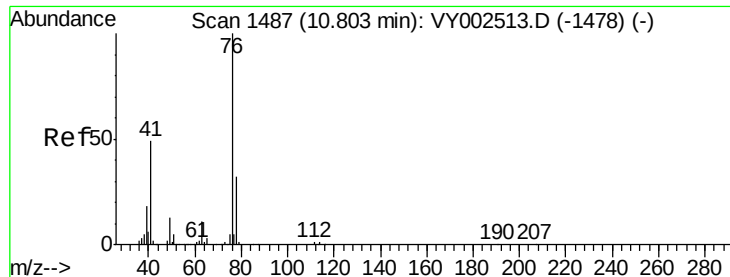
MMDadoda
 5/8/2020 1:23:45 PM



#56
 Ethyl methacrylate
 Concen: 20.406 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		70249		
41	60.0	48.6	73.0		
39	28.0	25.0	37.4		





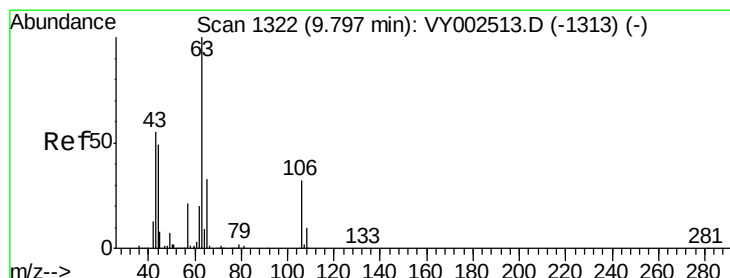
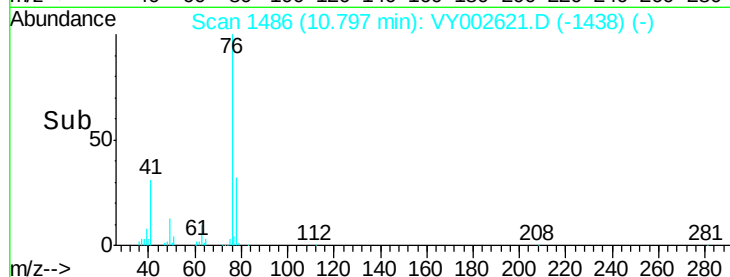
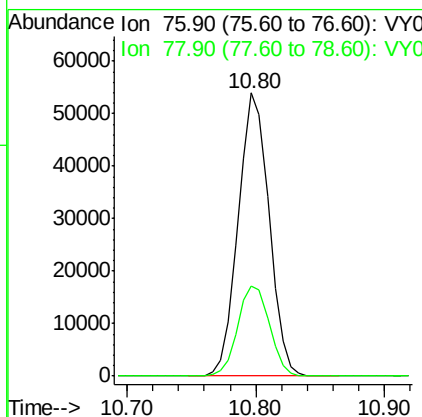
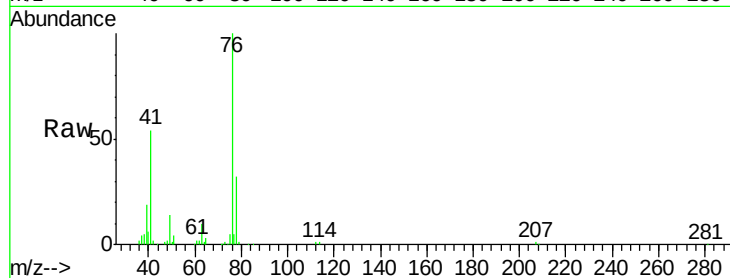
#57
 1,3-Dichloropropane
 Concen: 20.419 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.4	38.2

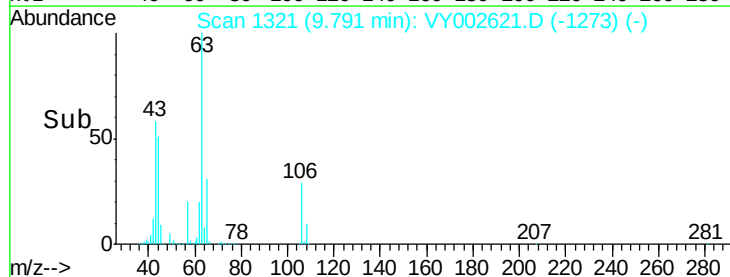
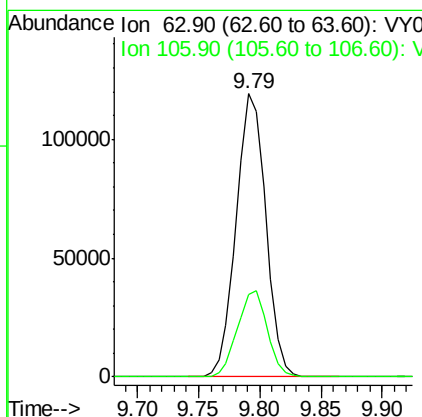
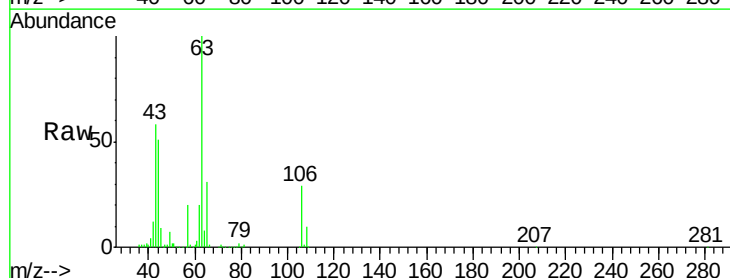
Manual Integrations
 APPROVED

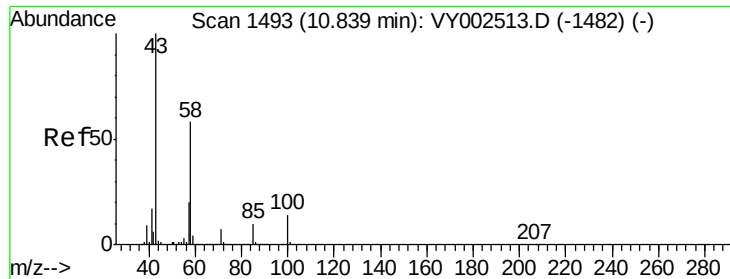
MMDadoda
 5/8/2020 1:23:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.113 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	25.2	37.8





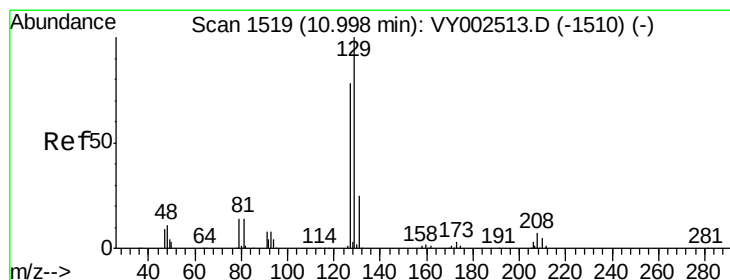
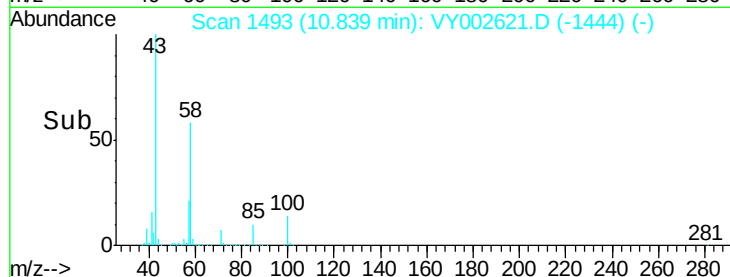
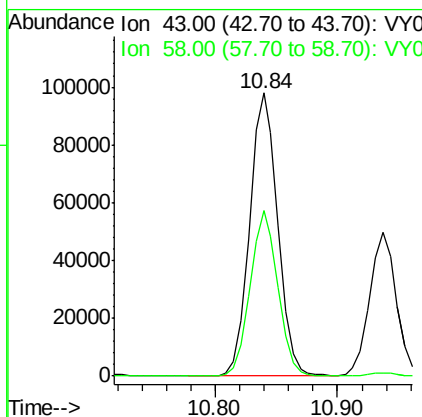
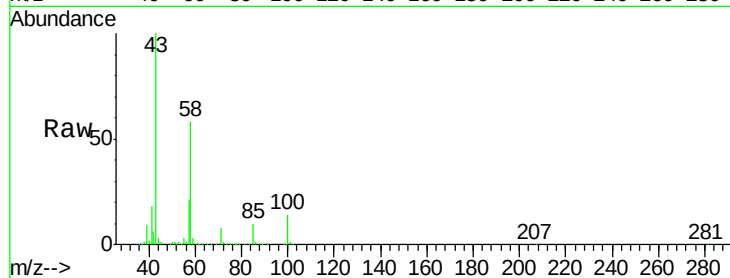
#59
2-Hexanone
Concen: 103.426 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion: 43 Resp: 156400
Ion Ratio Lower Upper
43 100
58 57.5 29.1 87.3

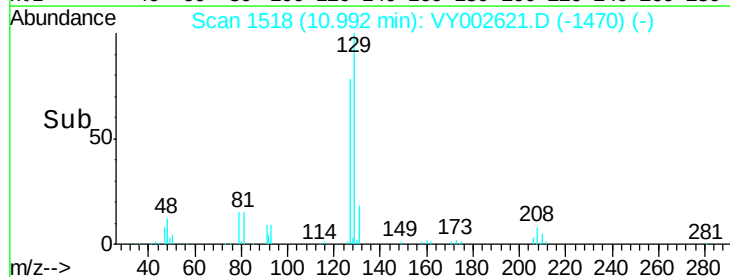
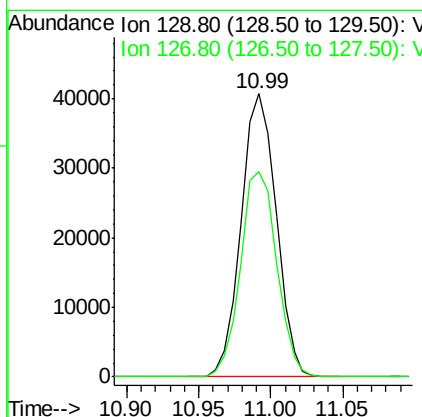
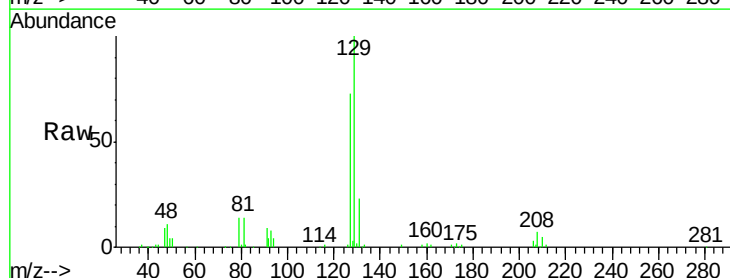
Manual Integrations
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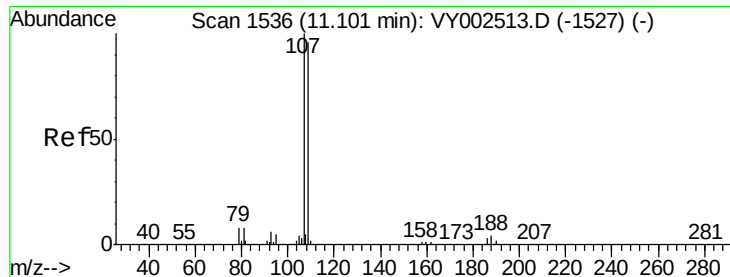
MMDadoda
5/8/2020 1:23:45 PM



#60
Dibromochloromethane
Concen: 20.892 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion: 129 Resp: 68761
Ion Ratio Lower Upper
129 100
127 75.0 39.0 117.0





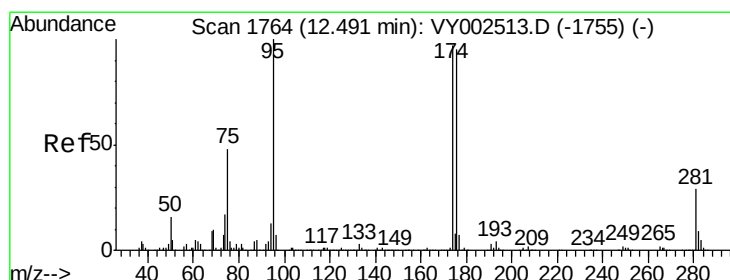
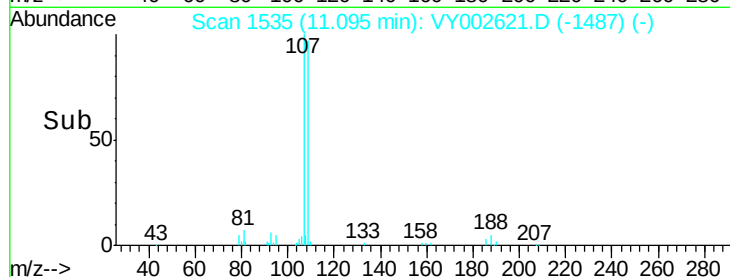
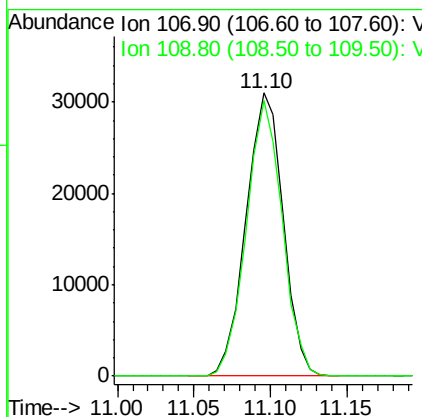
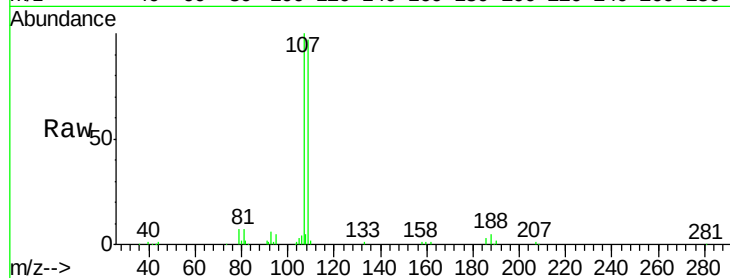
#61
 1,2-Dibromoethane
 Concen: 20.464 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8

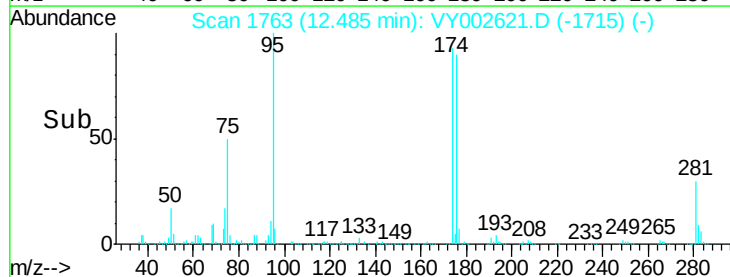
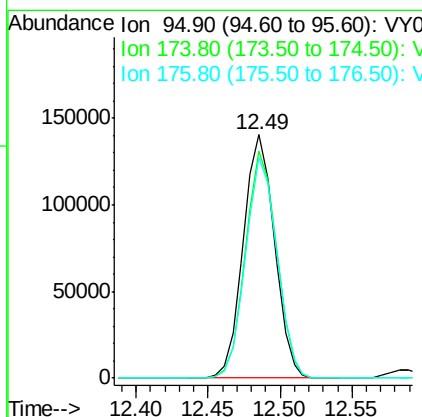
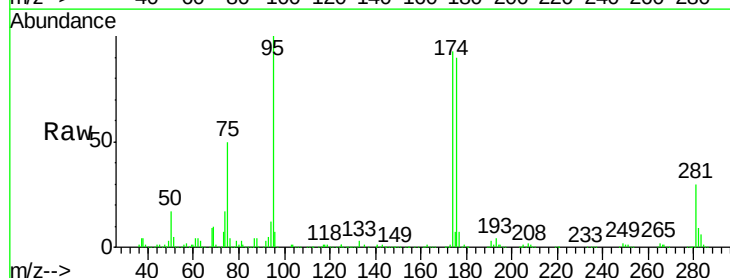
Manual Integrations
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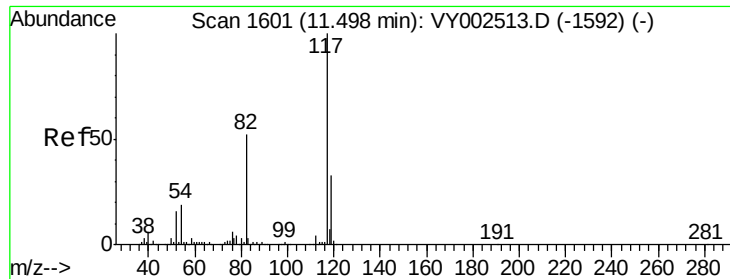
MMDadoda
 5/8/2020 1:23:45 PM



#62
 4-Bromofluorobenzene
 Concen: 52.796 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	188.8
176	90.8	0.0	183.2





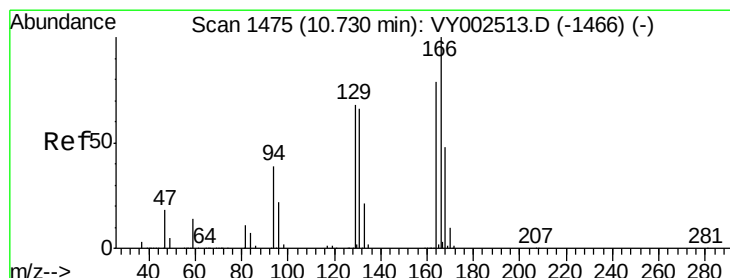
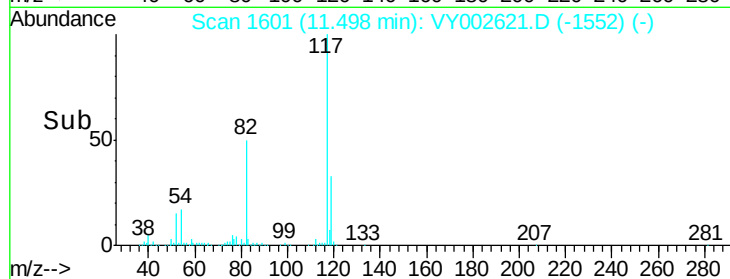
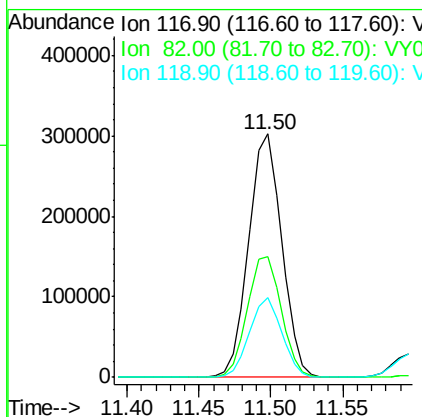
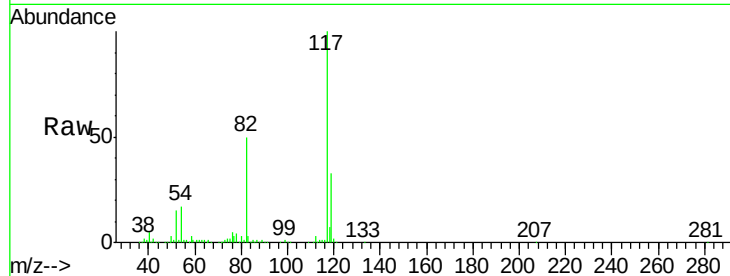
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.6	41.3	61.9
119	32.6	26.0	39.0

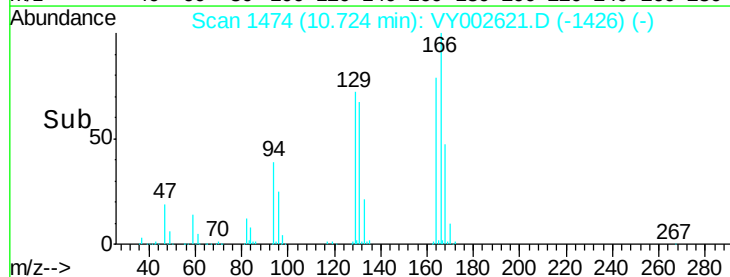
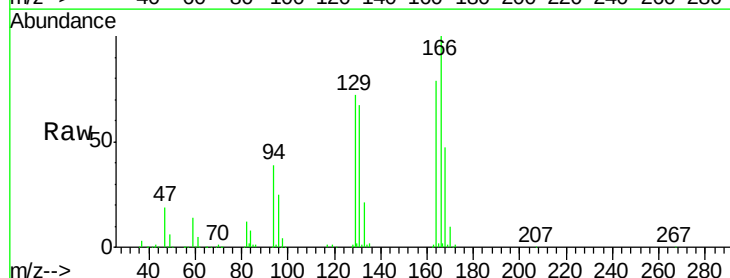
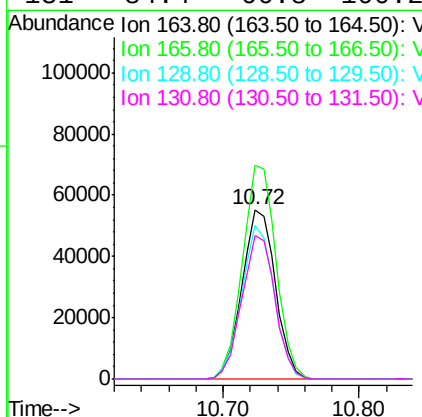
Manual Integrations
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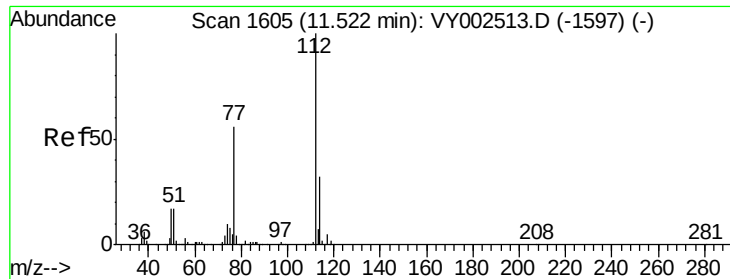
MMDadoda
5/8/2020 1:23:45 PM



#64
Tetrachloroethene
Concen: 22.288 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	100.7	151.1
129	90.6	68.3	102.5
131	84.4	66.8	100.2





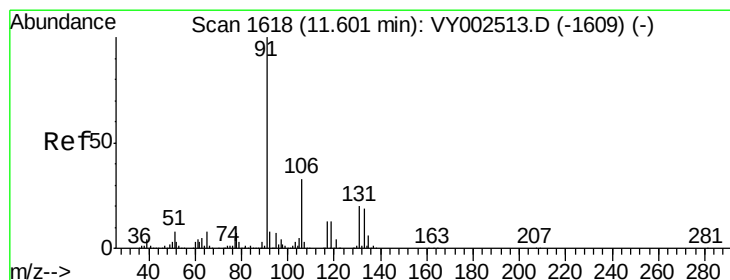
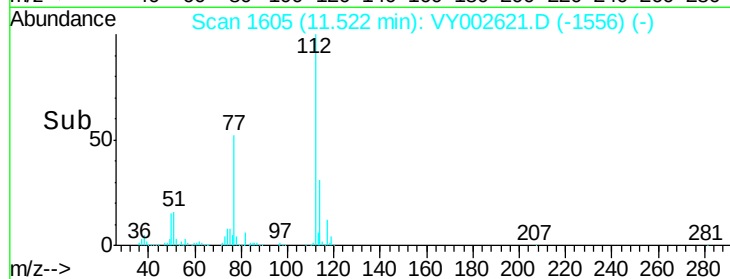
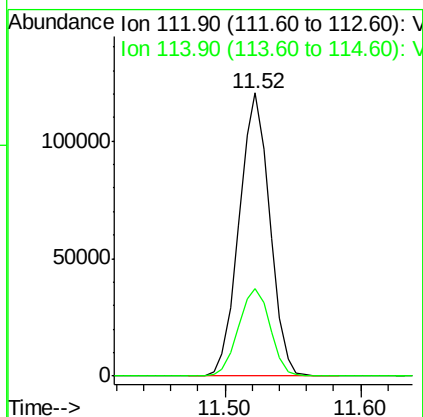
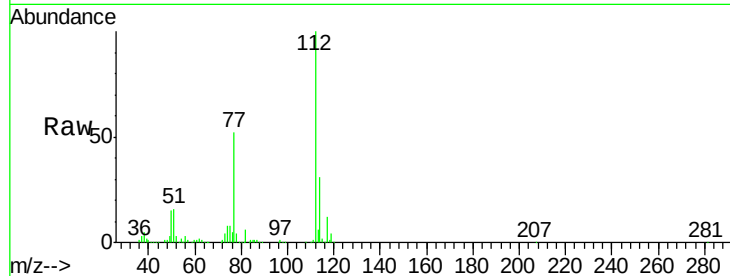
#65
Chlorobenzene
Concen: 20.738 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.8	38.6

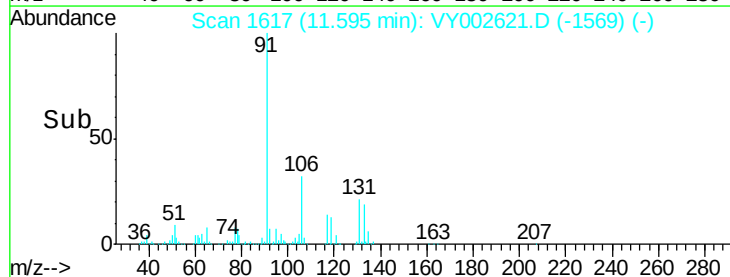
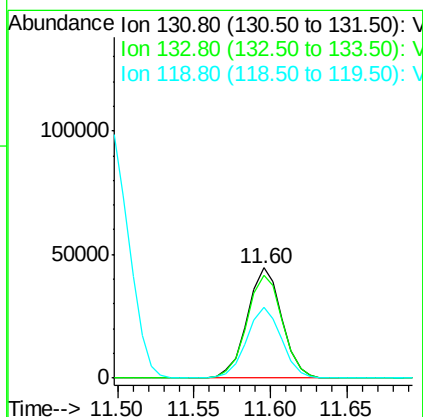
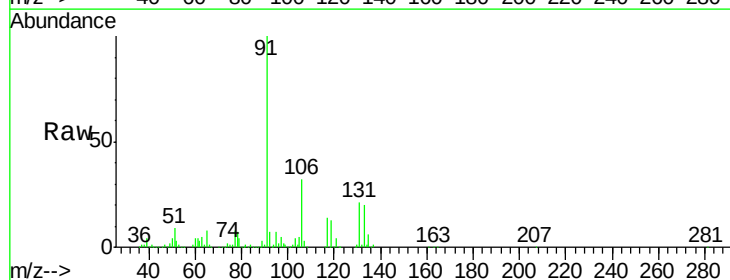
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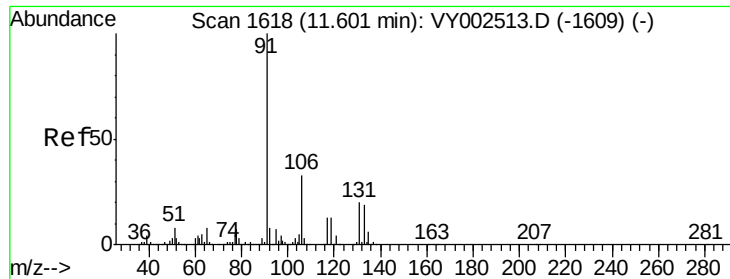
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.749 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.1	144.4
119	64.4	31.6	95.0





#67

Ethyl Benzene

Concen: 20.729 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

Tot Ion: 91 Resp: 331928

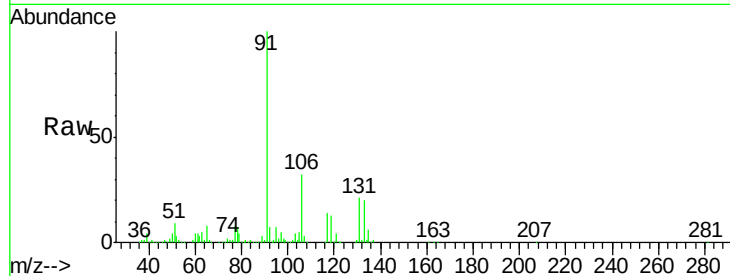
Ion Ratio Lower Upper

91 100

106 32.0 26.1 39.1

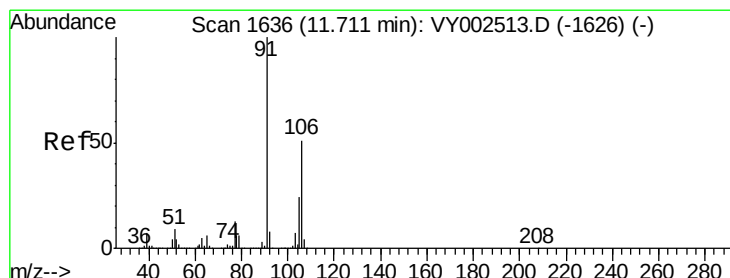
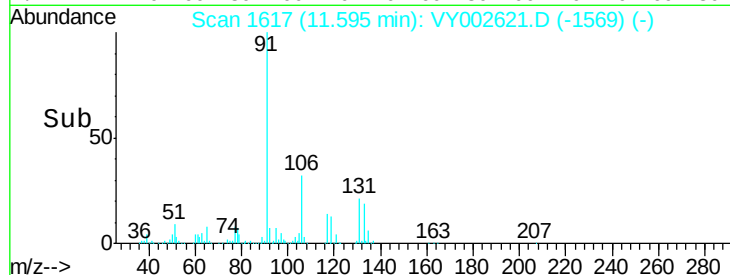
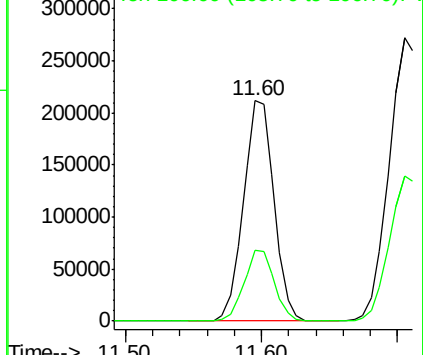
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.238 ug/l

RT: 11.71 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002621.D

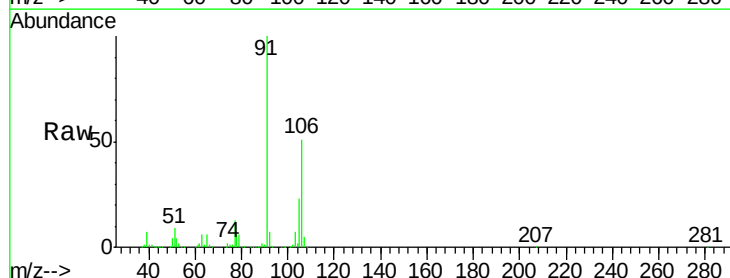
Acq: 07 May 2020 11:25

Tgt Ion:106 Resp: 255503

Ion Ratio Lower Upper

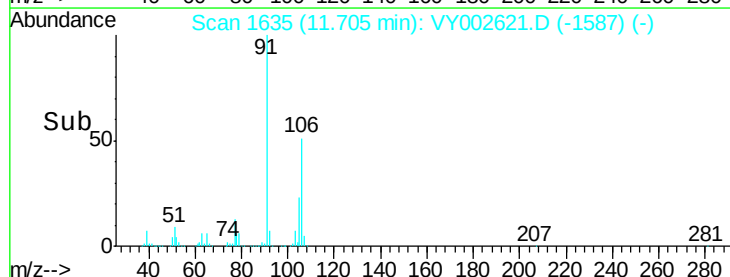
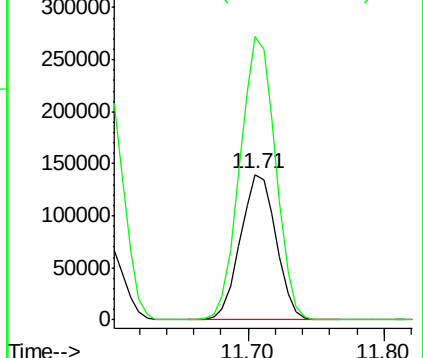
106 100

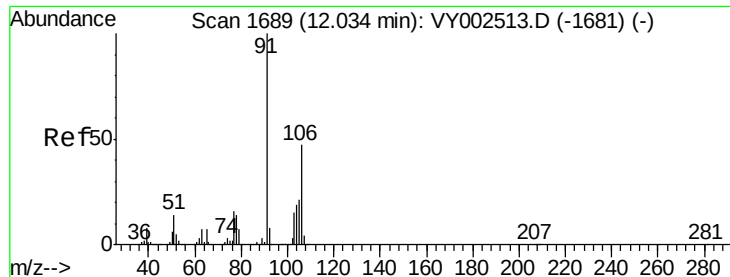
91 194.2 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





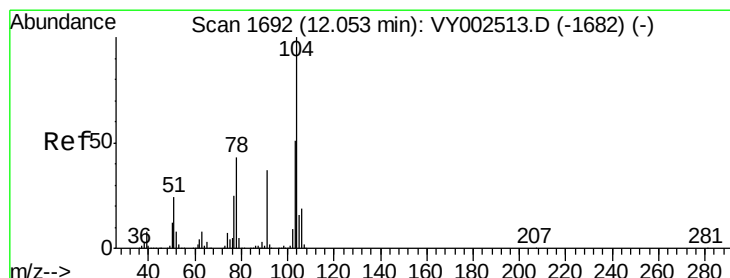
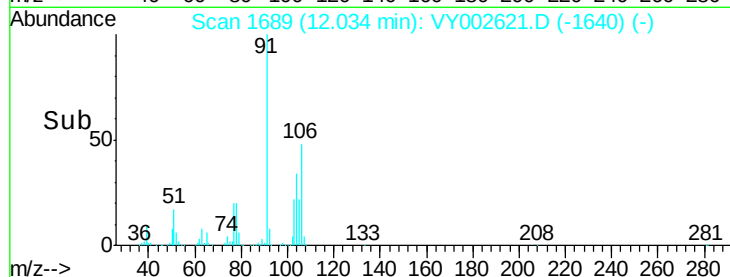
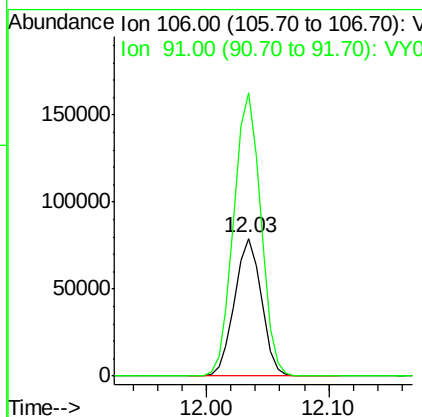
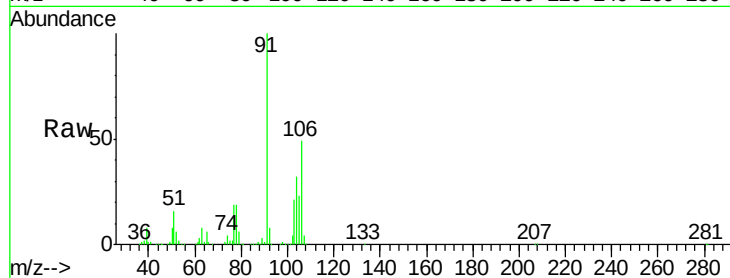
#69
o-Xylene
Concen: 20.698 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	207.3	103.8	311.3		

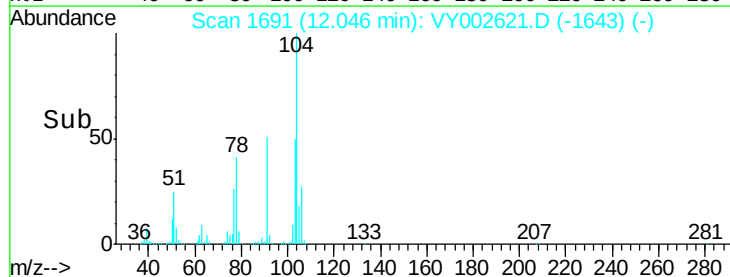
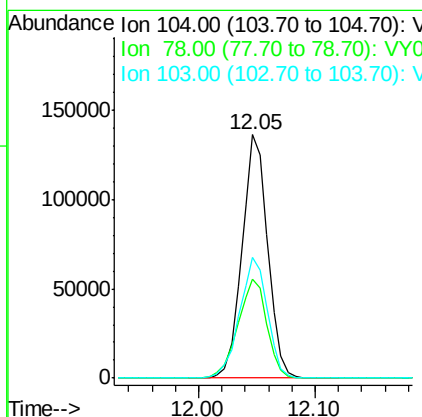
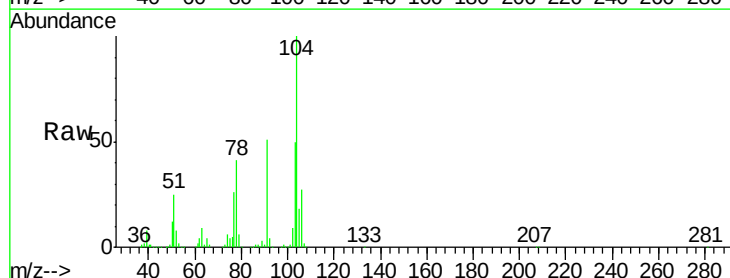
Manual Integrations
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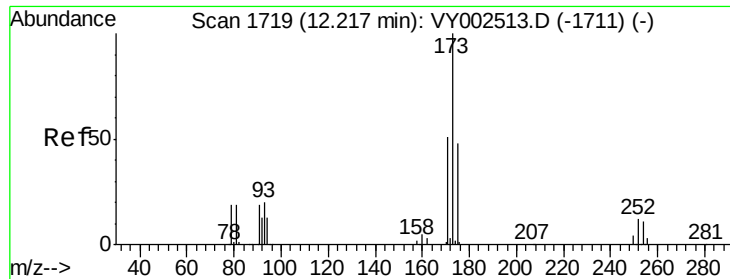
MMDadoda
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#70
Styrene
Concen: 21.067 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	45.9	37.4	56.0		
103	53.8	43.9	65.9		





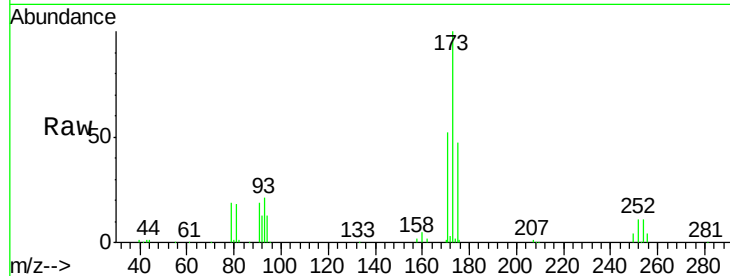
#71
Bromoform
Concen: 20.611 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

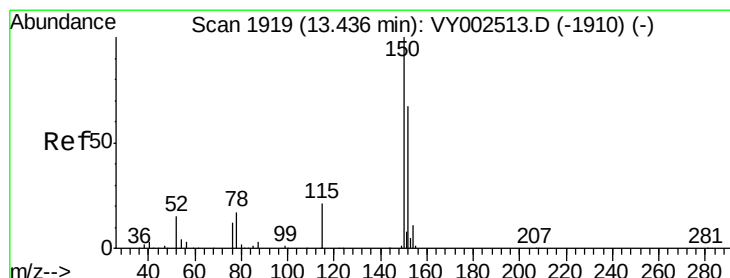
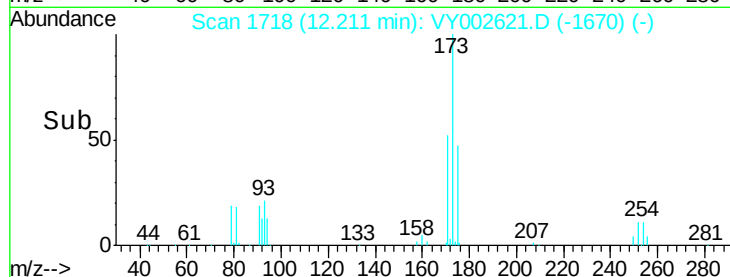
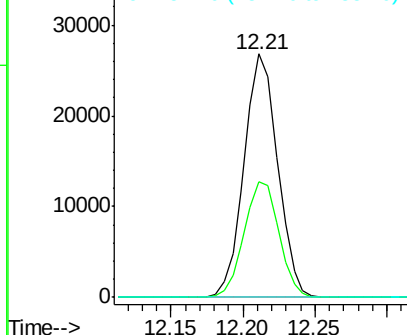
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.2	0.2#

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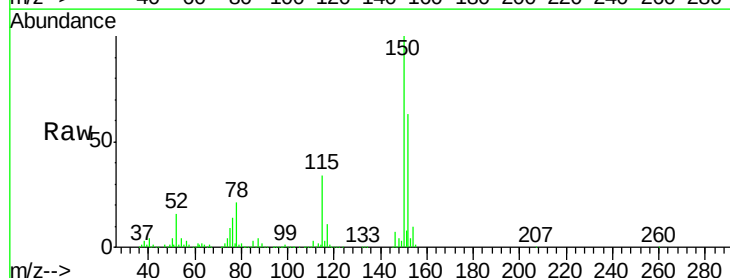


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

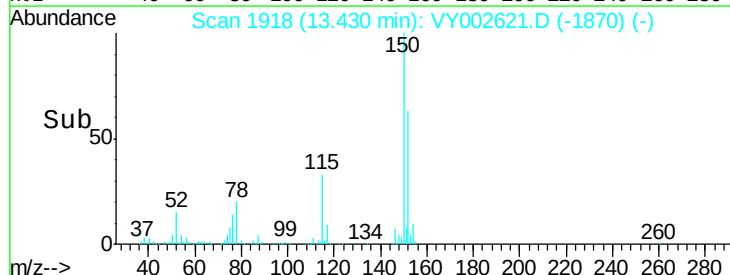
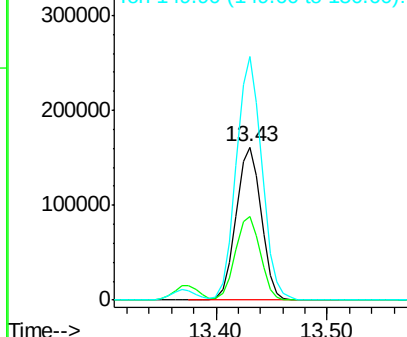


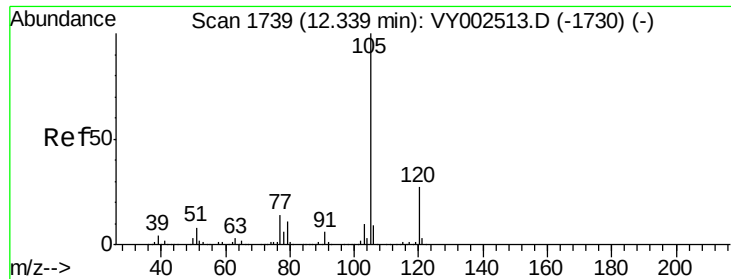
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.5	82.4
150	163.2	0.0	346.4



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





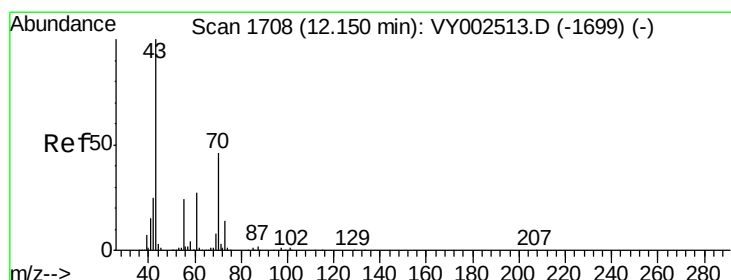
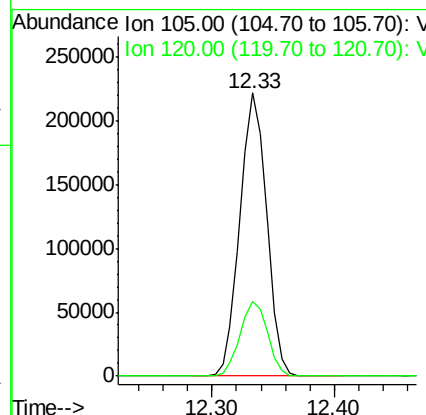
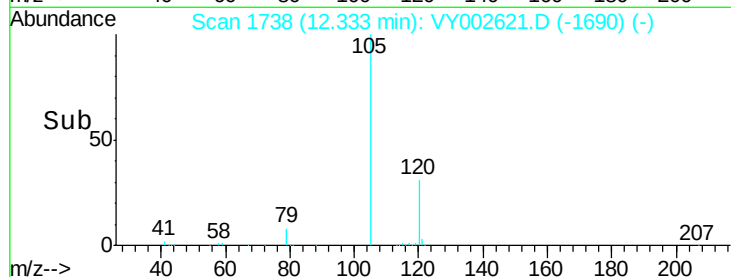
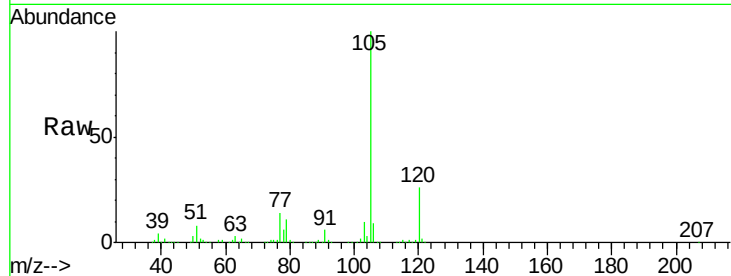
#73
Isopropylbenzene
Concen: 20.736 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	335591		
120	27.1	13.8	41.3	

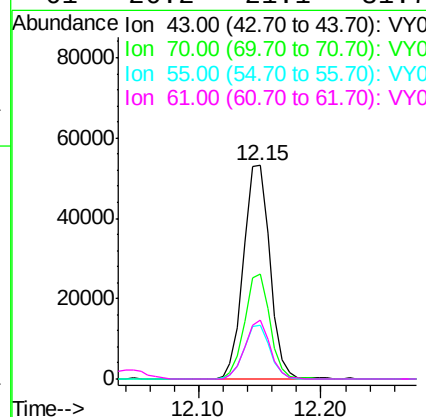
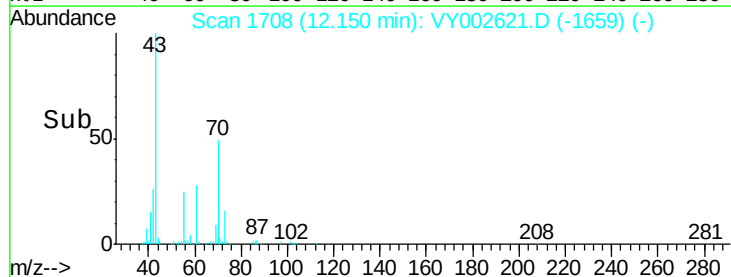
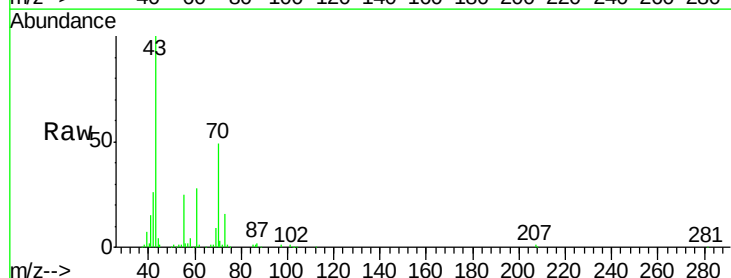
Manual Integrations
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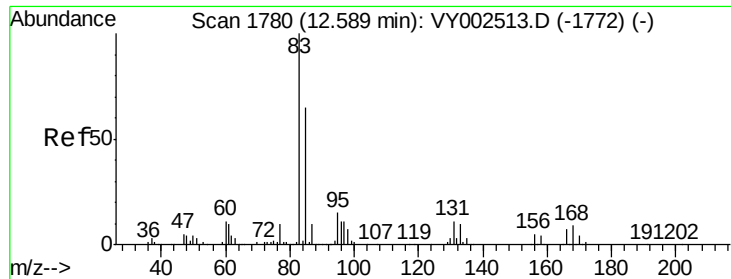
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#74
N-ethyl acetate
Concen: 20.462 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	79659		
70	47.2	36.7	55.1	
55	25.0	19.2	28.8	
61	26.2	21.1	31.7	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.843 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

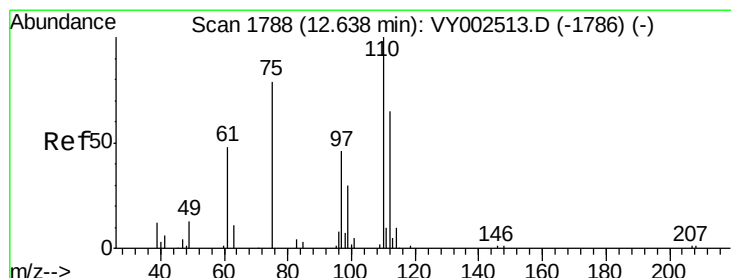
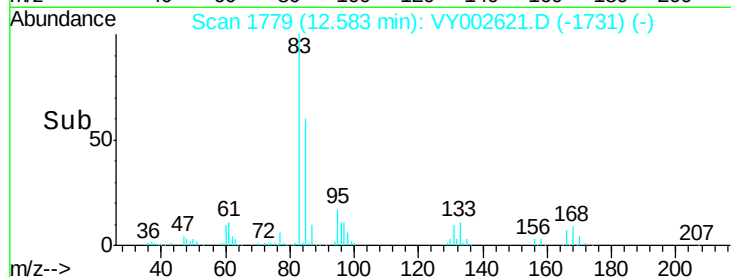
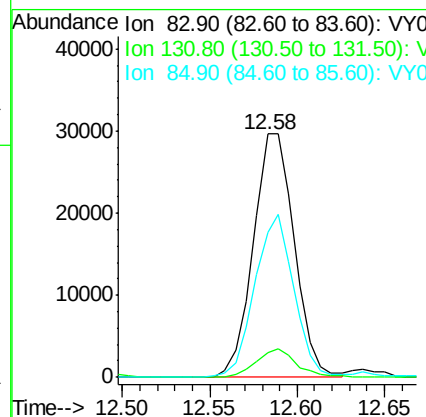
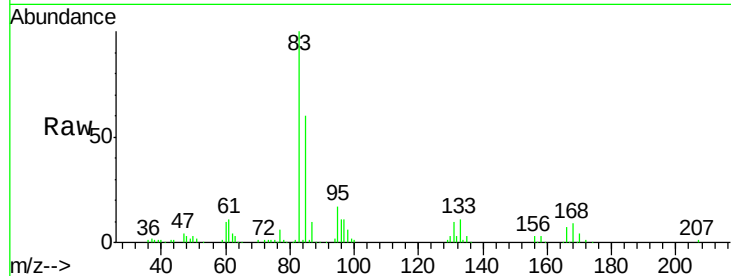
ClientSampleId :

VY0507SBS01

Tot Ion:	83	Resp:	48498
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.9	17.8
85	63.4	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.409 ug/l m

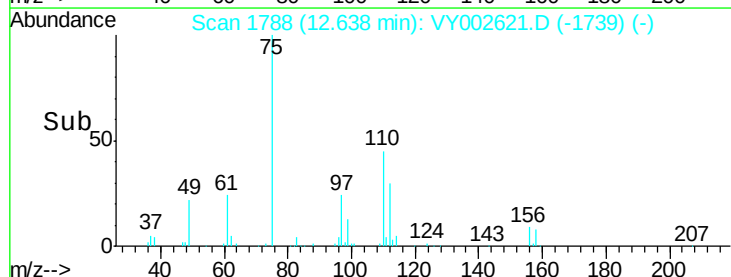
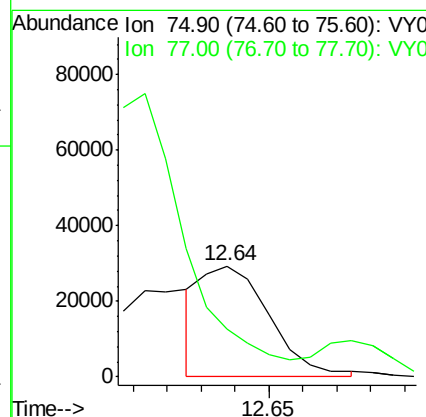
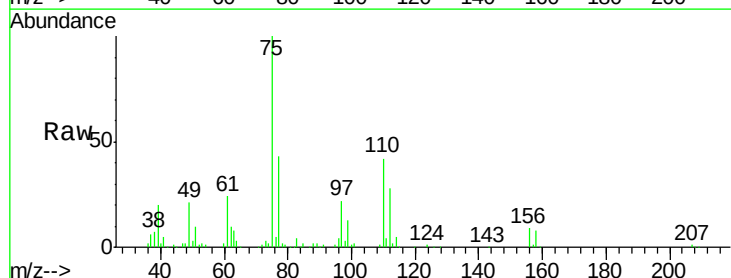
RT: 12.64 min Scan# 1788

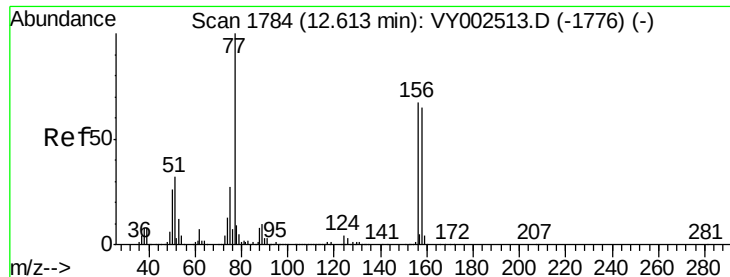
Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion:	75	Resp:	40852
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.452 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

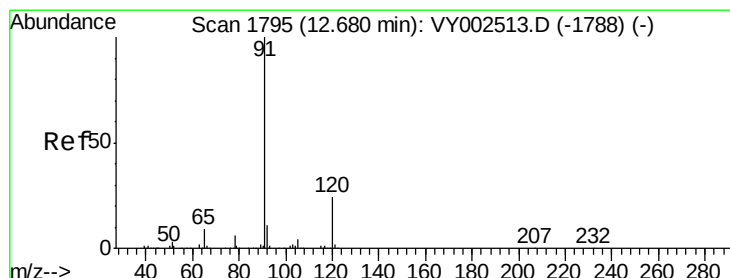
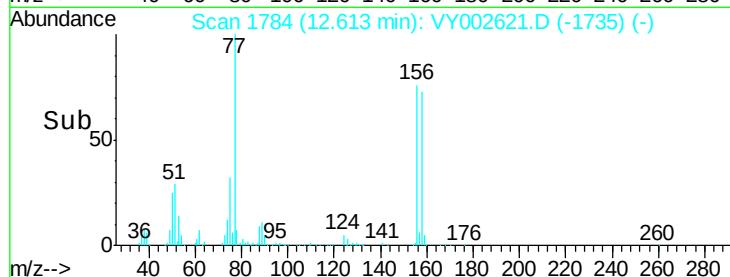
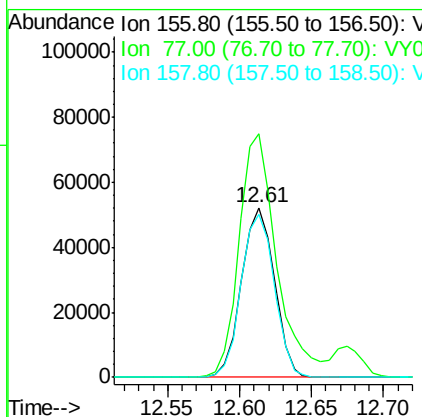
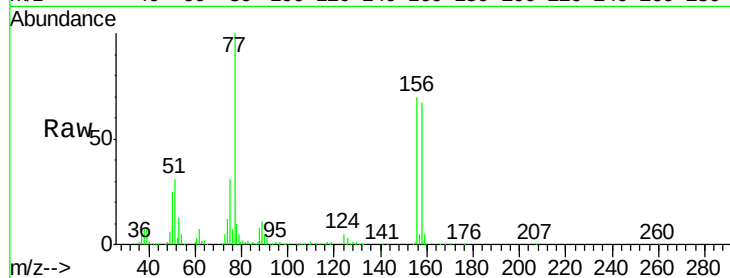
ClientSampleId :

VY0507SBS01

Tot Ion:	156	Resp:	82693
Ion Ratio	Lower	Upper	
156	100		
77	163.9	82.0	245.8
158	97.1	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.807 ug/l

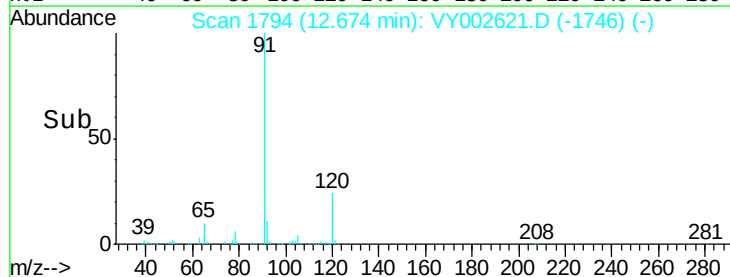
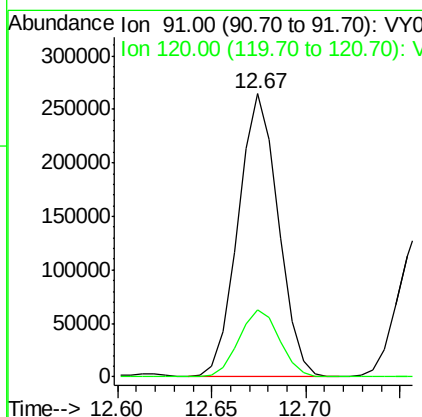
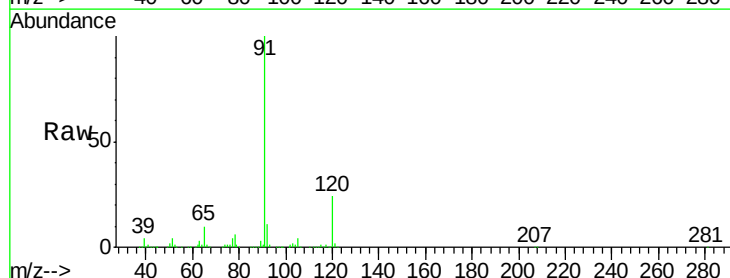
RT: 12.67 min Scan# 1794

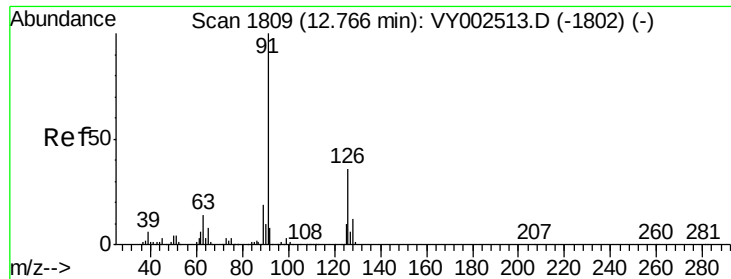
Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion:	91	Resp:	390764
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.2	36.4





#79

2-Chlorotoluene

Concen: 20.530 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBSD01

Tot Ion: 91 Resp: 213580

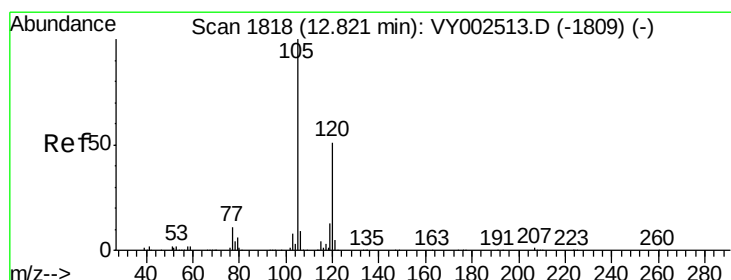
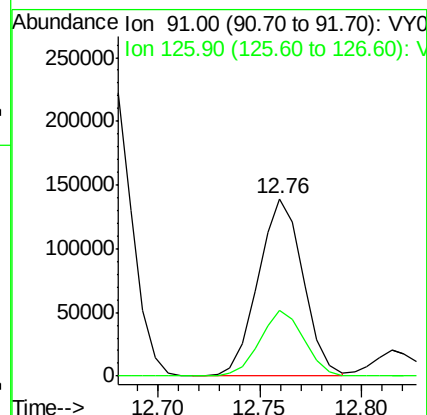
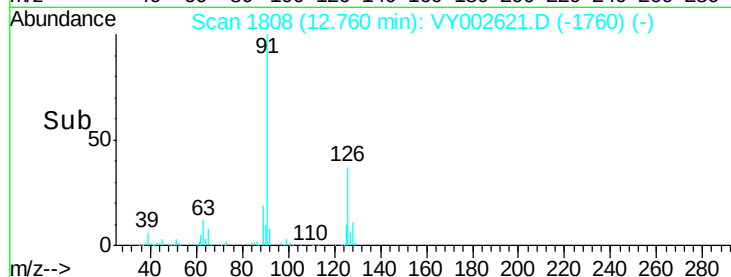
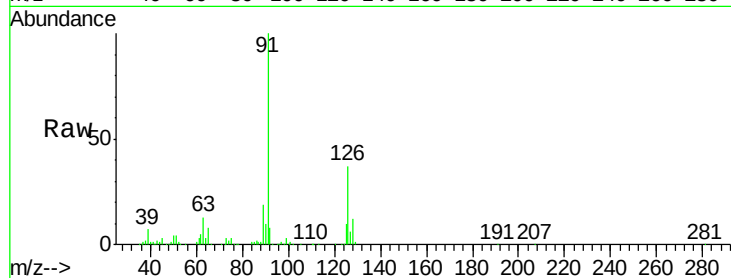
Ion Ratio Lower Upper

91 100

126 36.3 18.4 55.2

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 20.886 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002621.D

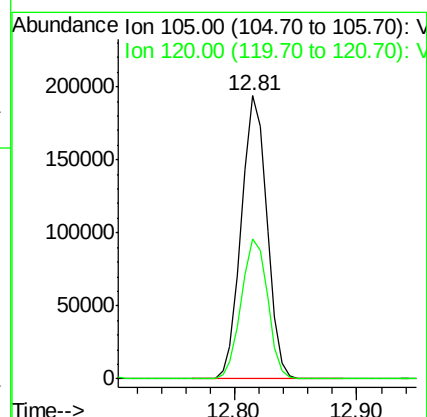
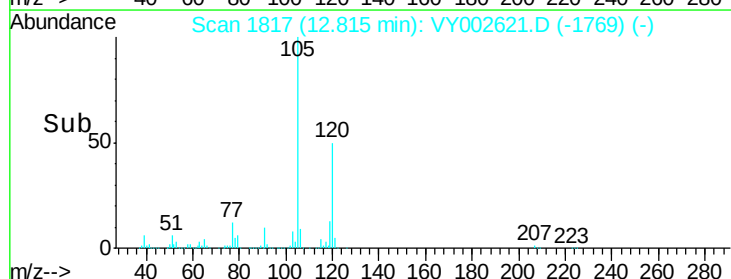
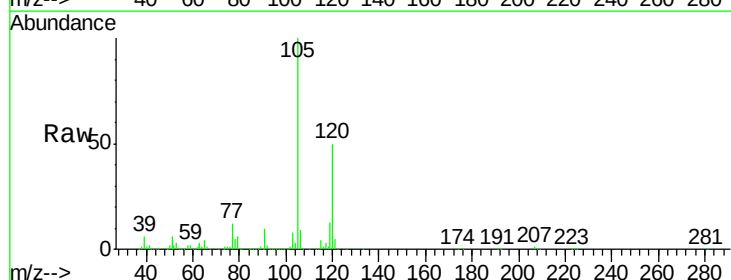
Acq: 07 May 2020 11:25

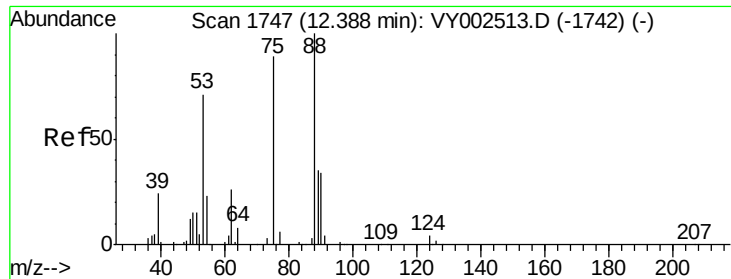
Tgt Ion: 105 Resp: 280191

Ion Ratio Lower Upper

105 100

120 50.9 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.946 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

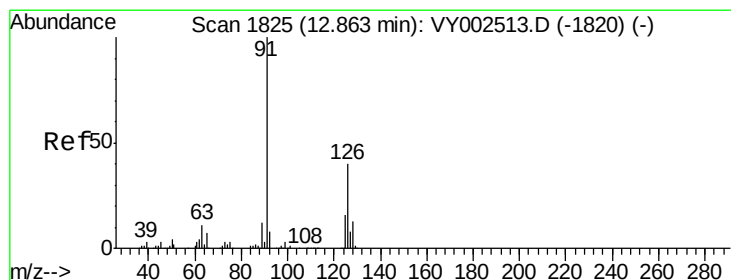
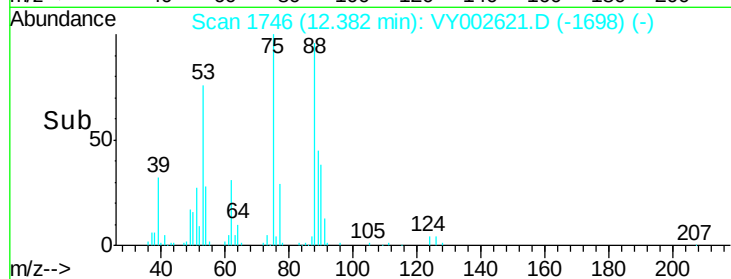
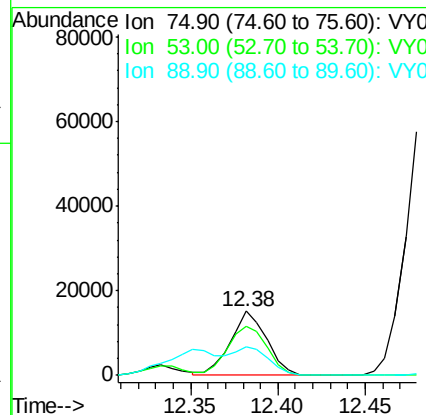
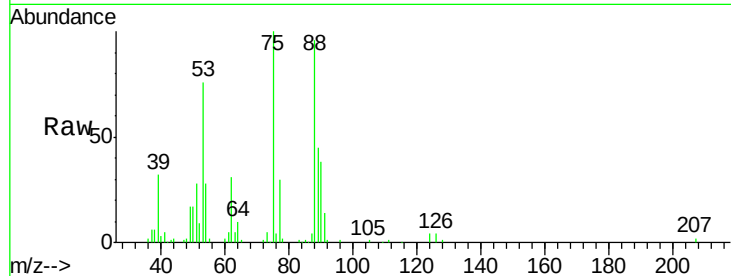
ClientSampleId :

VY0507SBS01

Tot Ion:	75	Resp:	22074
Ion	Ratio	Lower	Upper
75	100		
53	82.7	67.4	101.0
89	41.5	37.4	56.0

Manual Integrations
APPROVED

MMDadoda
5/8/2020 1:23:45 PM



#82

4-Chlorotoluene

Concen: 20.387 ug/l

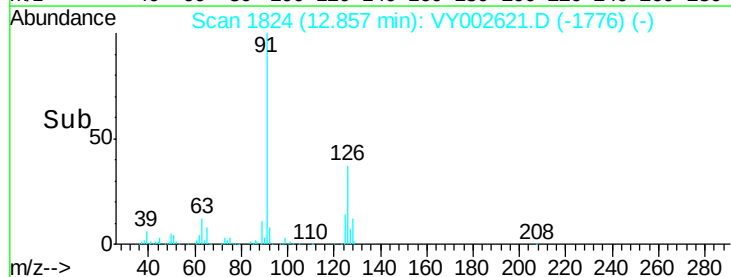
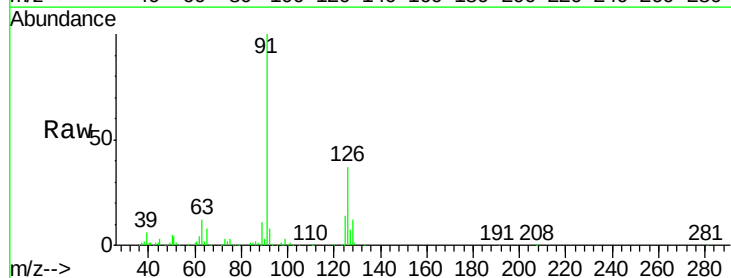
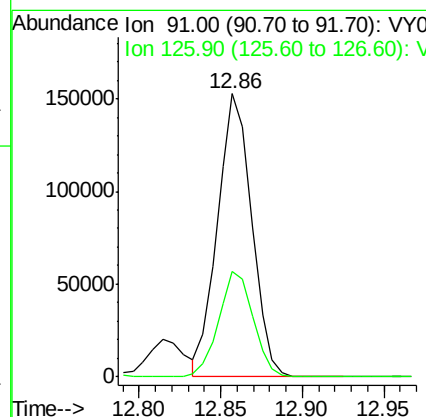
RT: 12.86 min Scan# 1824

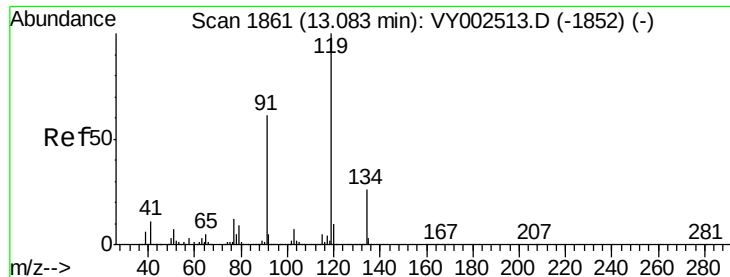
Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion:	91	Resp:	222790
Ion	Ratio	Lower	Upper
91	100		
126	37.7	18.5	55.5





#83

tert-Butylbenzene

Concen: 21.063 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

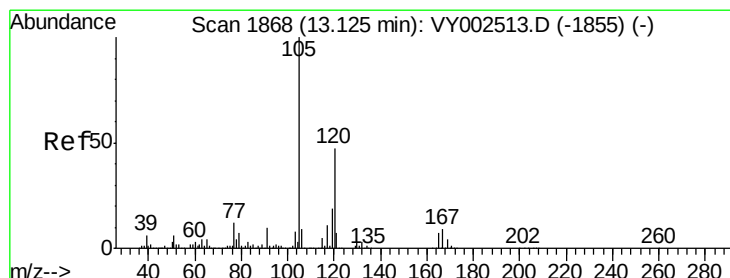
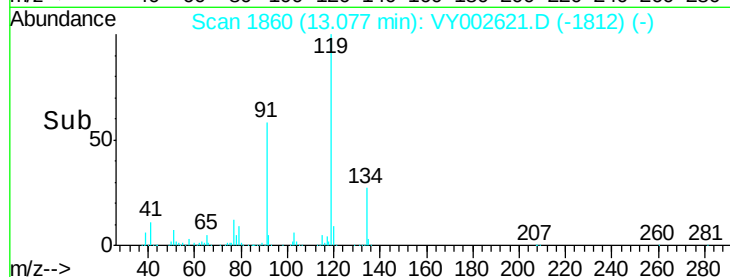
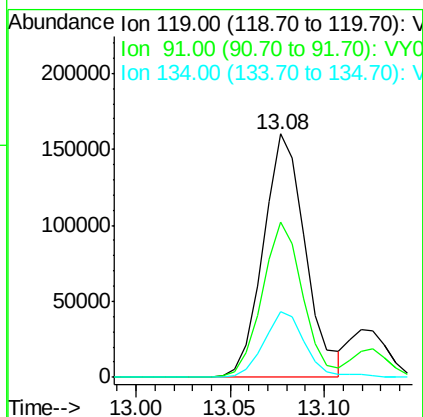
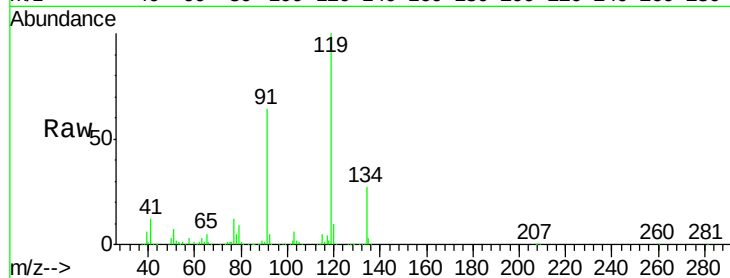
ClientSampleId :

VY0507SBS01

Tot Ion:	119	Resp:	247755
Ion Ratio	Lower	Upper	
119	100		
91	61.6	30.6	91.6
134	26.7	13.5	40.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.708 ug/l

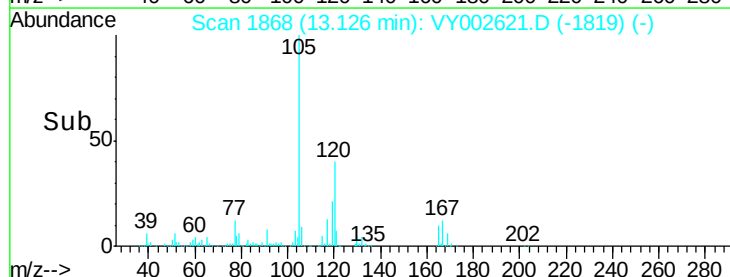
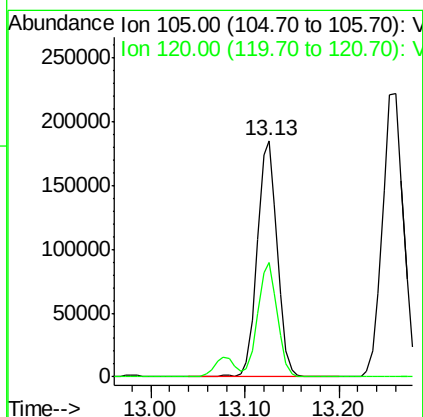
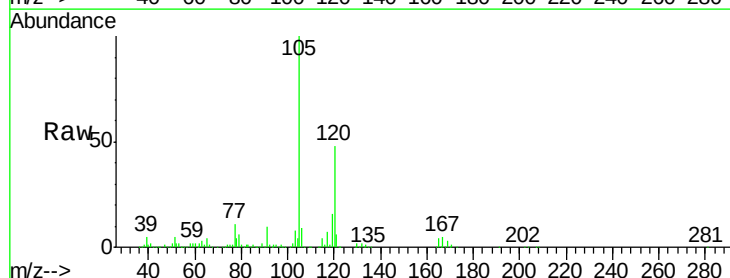
RT: 13.13 min Scan# 1868

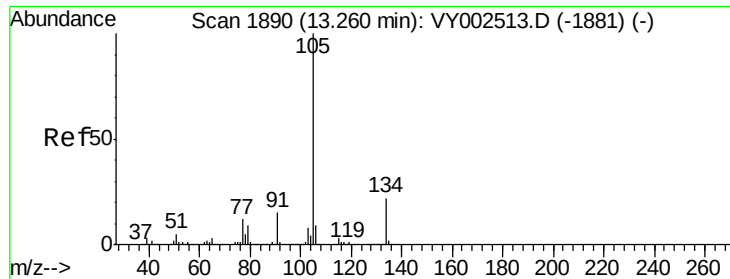
Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion:	105	Resp:	276861
Ion Ratio	Lower	Upper	
105	100		
120	47.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 21.093 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0507SBS01

Tot Ion:105 Resp: 344280

Ion Ratio Lower Upper

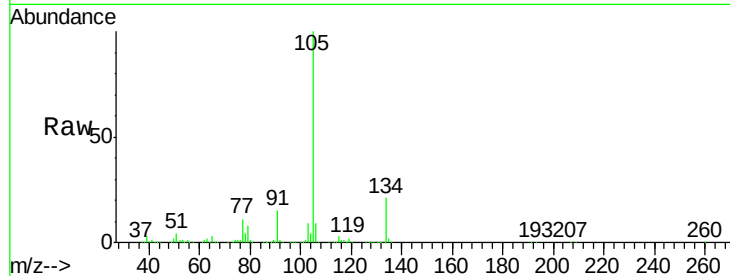
105 100

134 20.8 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

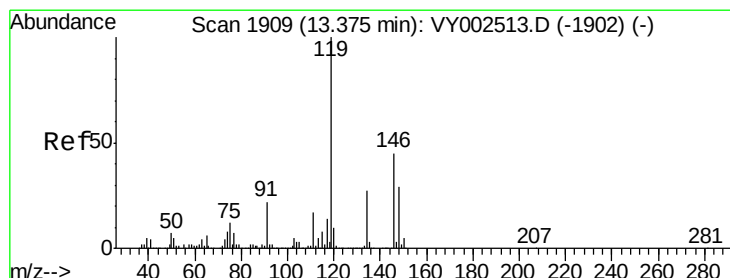
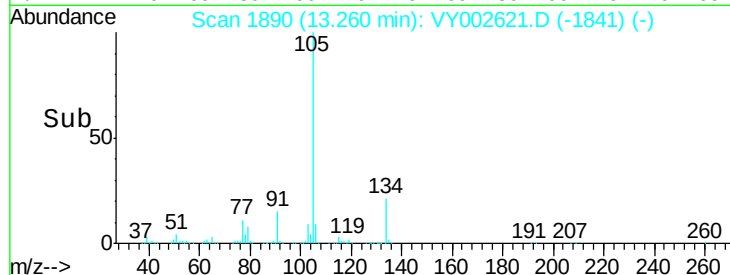
0

13.20

13.26

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 20.904 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

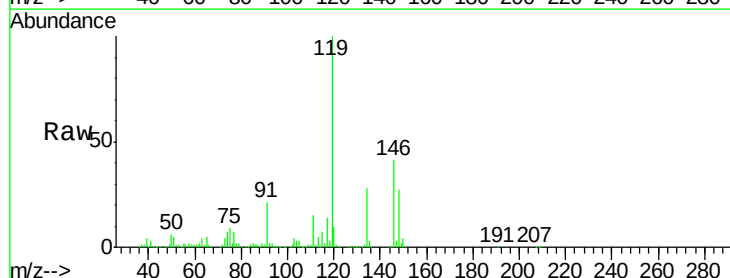
Tgt Ion:119 Resp: 319704

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 21.6 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

250000

200000

150000

100000

50000

0

13.30

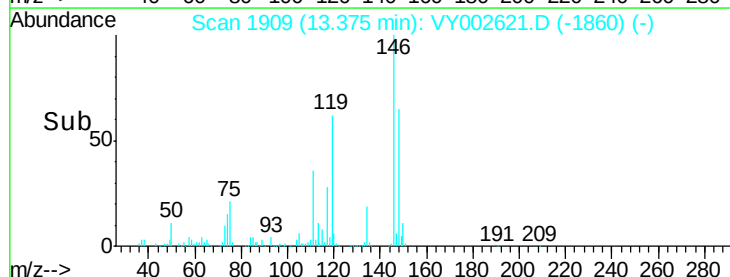
13.35

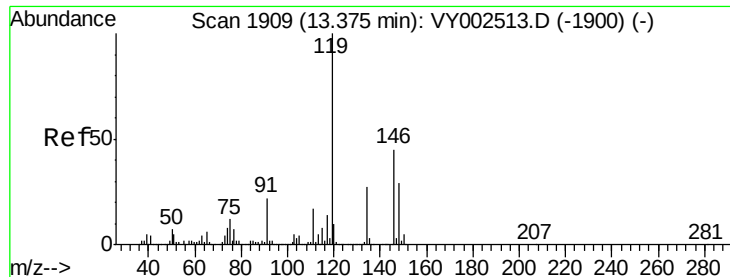
13.38

13.40

13.45

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.568 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

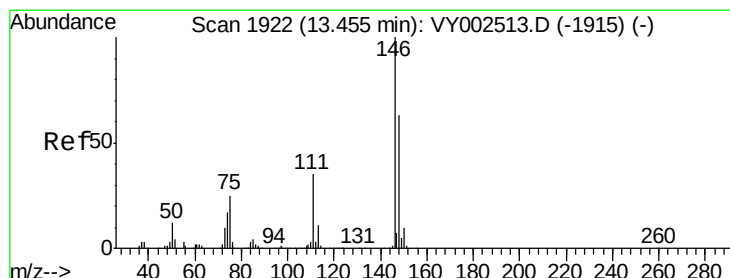
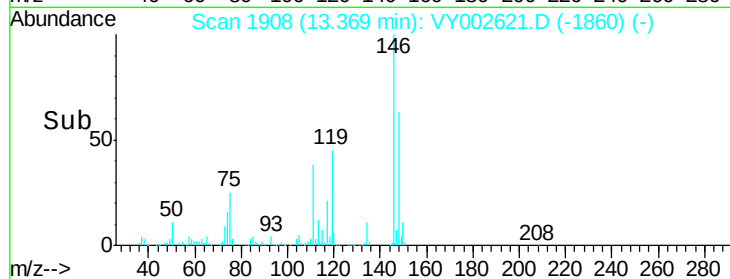
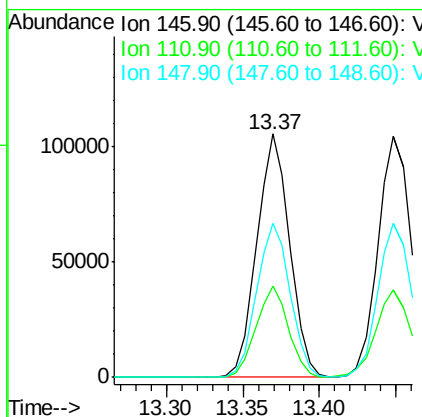
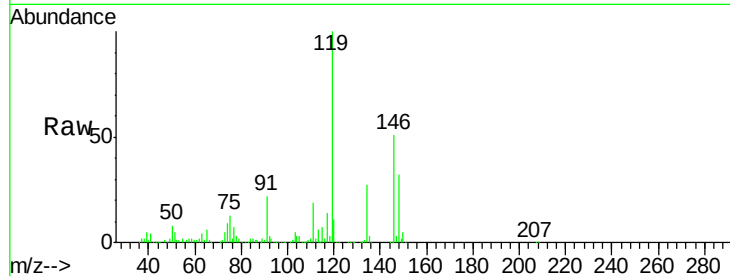
Instrument :
MSVOA_Y

ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	157401		
111	37.2	18.8	56.3	
148	64.4	32.1	96.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.789 ug/l

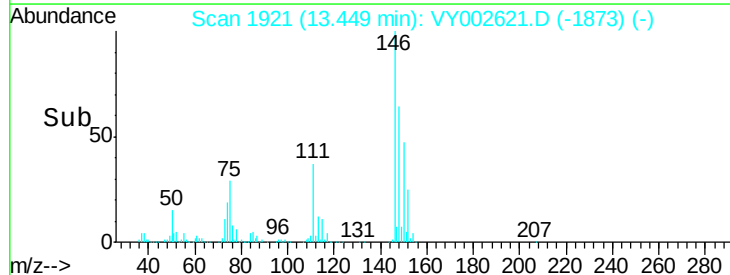
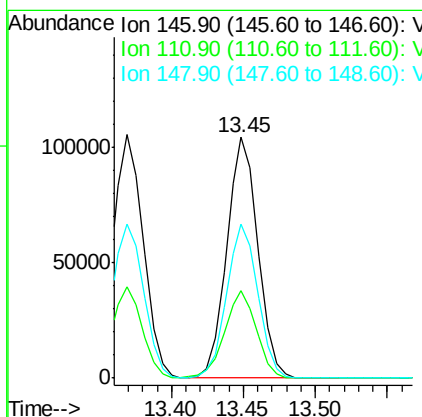
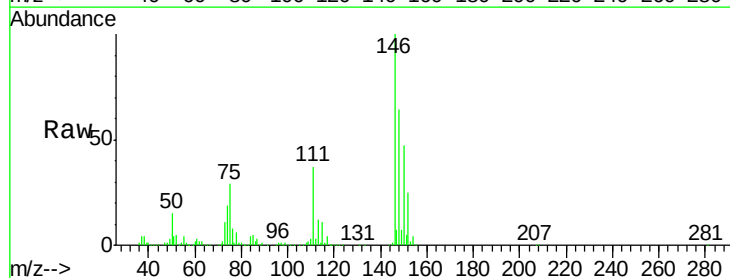
RT: 13.45 min Scan# 1921

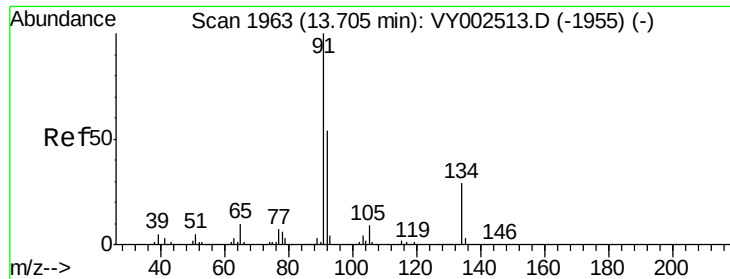
Delta R.T. -0.01 min

Lab File: VY002621.D

Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	157532		
111	37.3	18.1	54.1	
148	64.5	31.9	95.5	





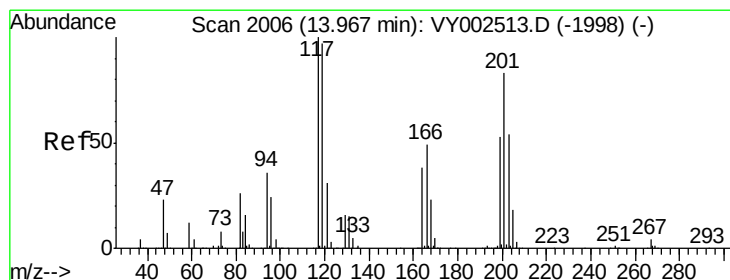
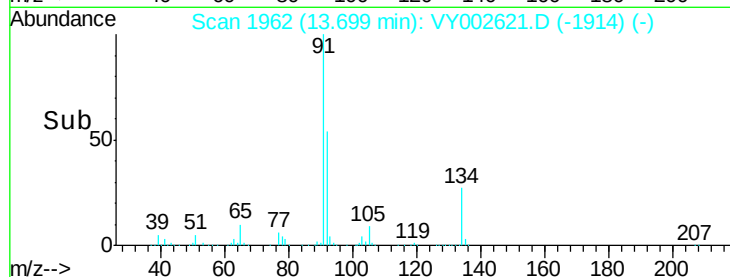
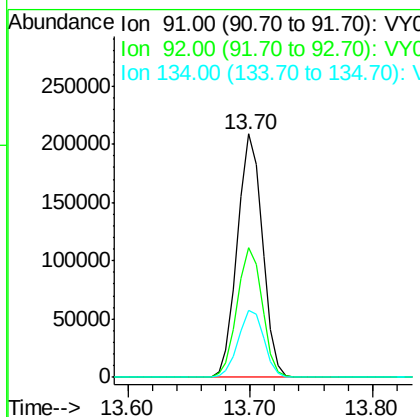
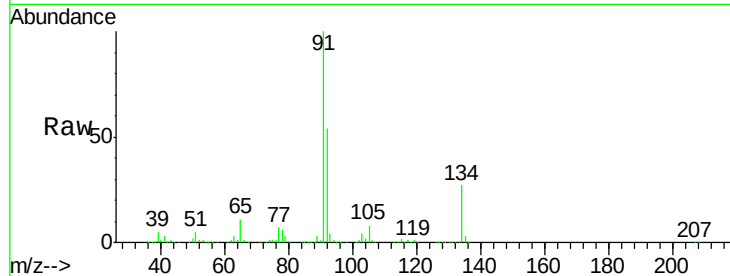
#89
n-Butylbenzene
Concen: 21.238 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	295680		
92	53.5		27.1	81.3
134	28.2		14.4	43.0

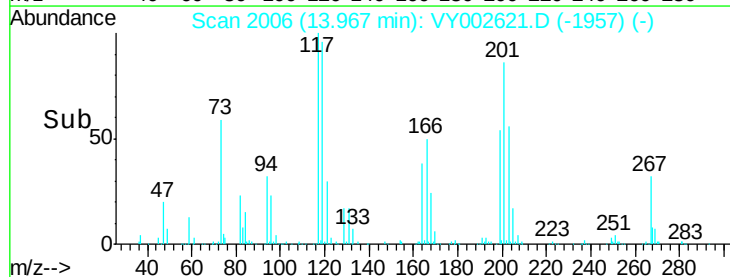
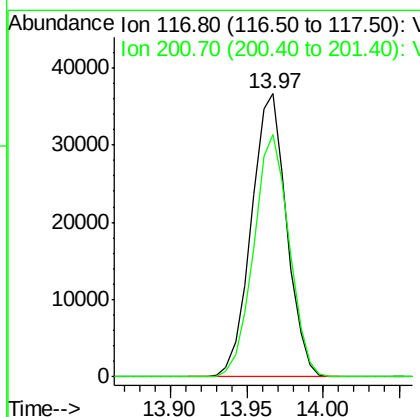
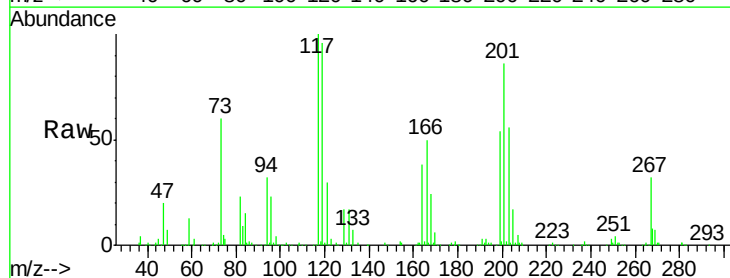
Manual Integrations
APPROVED

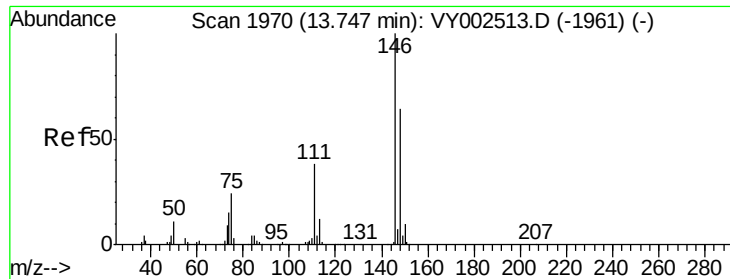
MMDadoda
5/8/2020 1:23:45 PM



#90
Hexachloroethane
Concen: 21.073 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	58691		
201	86.2		44.4	133.2





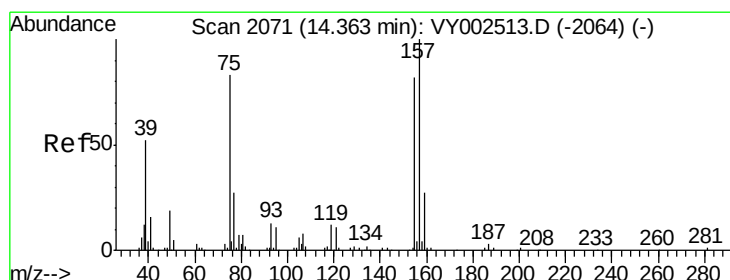
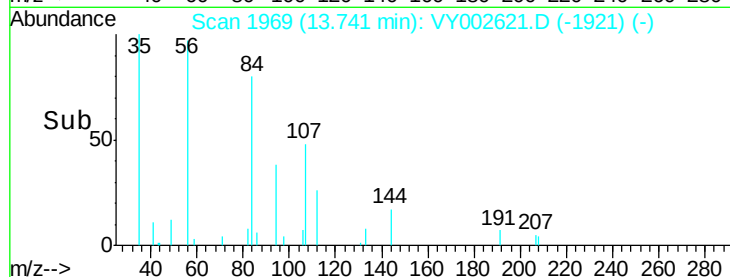
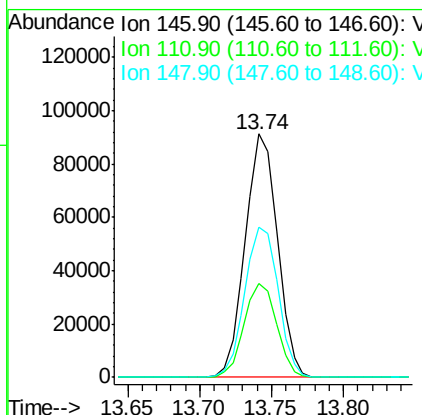
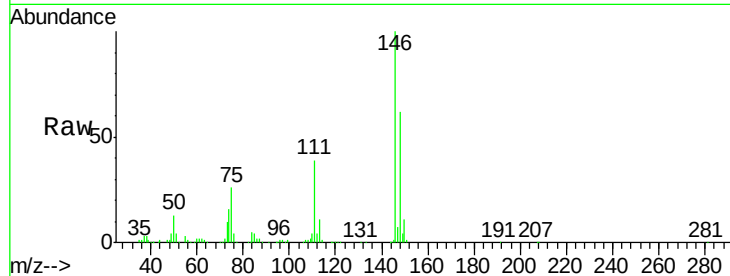
#91
 1,2-Dichlorobenzene
 Concen: 20.729 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	141545		
111	39.2	19.1	57.5	
148	63.9	31.9	95.7	

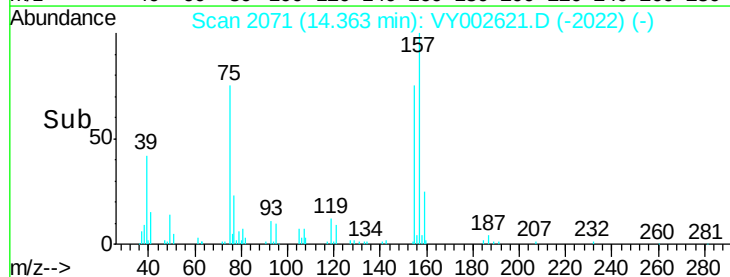
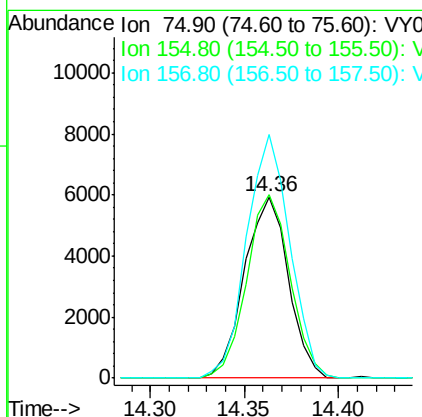
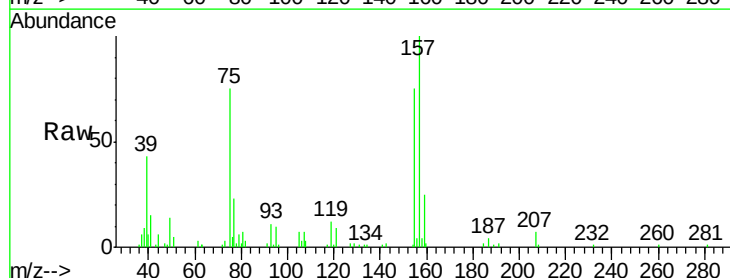
Manual Integrations
 APPROVED

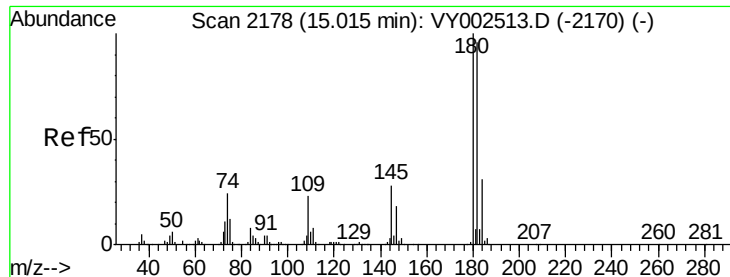
MMDadoda
 5/8/2020 1:23:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.037 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9613		
155	99.7	51.3	153.9	
157	131.7	65.0	195.0	





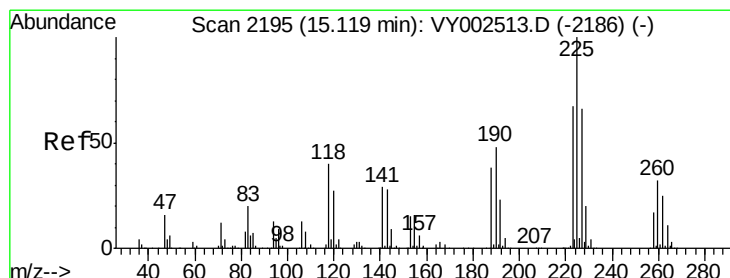
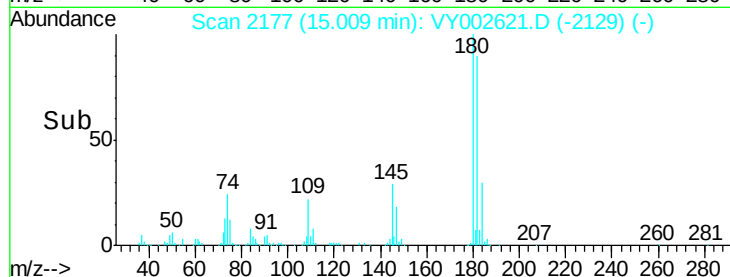
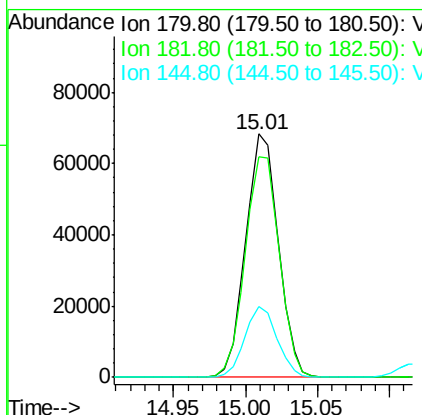
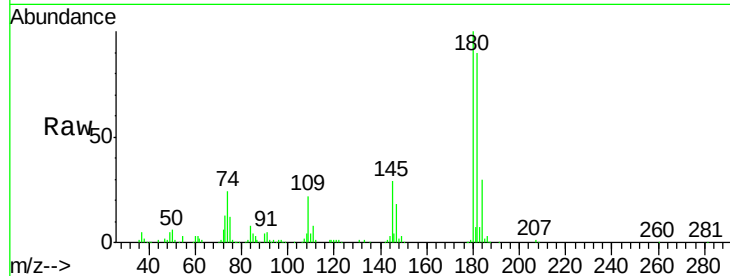
#93
 1,2,4-Trichlorobenzene
 Concen: 21.611 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107138		
182	94.5	47.9	143.6	
145	29.0	14.4	43.0	

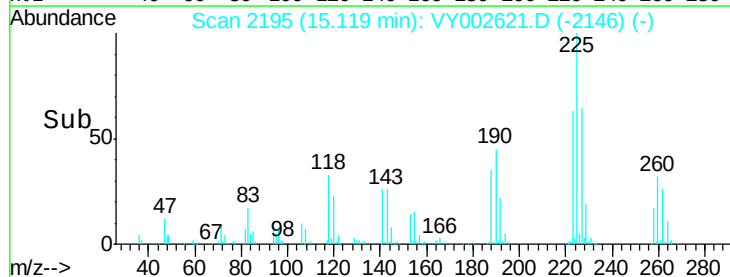
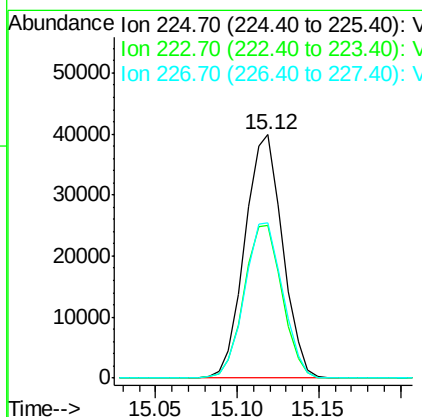
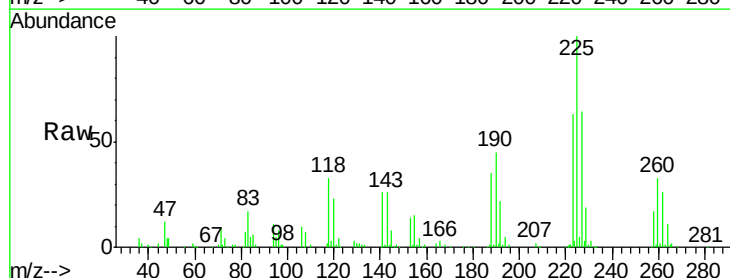
Manual Integrations
 APPROVED

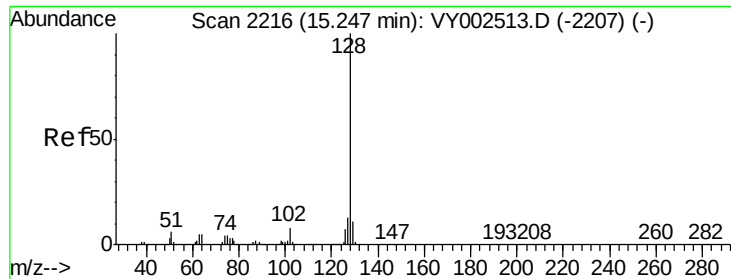
MMDadoda
 5/8/2020 1:23:45 PM



#94
 Hexachlorobutadiene
 Concen: 21.610 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY002621.D
 Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64307		
223	63.4	32.1	96.5	
227	64.3	32.0	96.2	





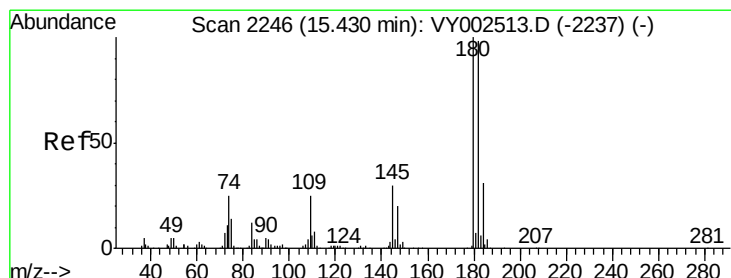
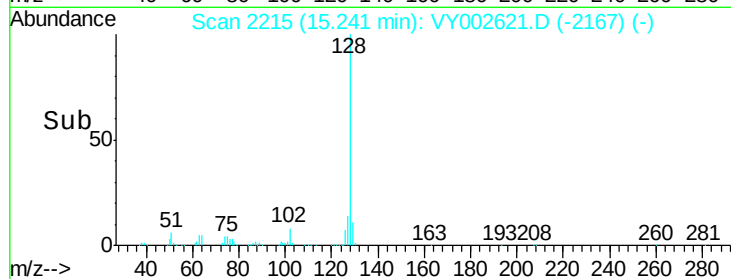
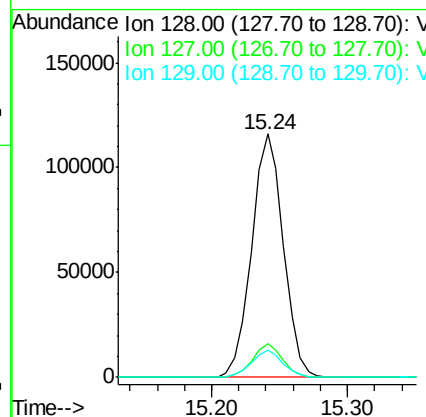
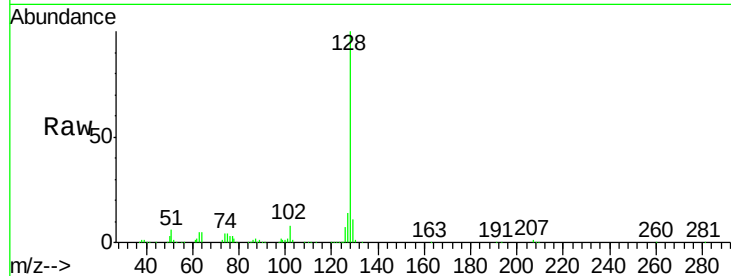
#95
Naphthalene
Concen: 20.916 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	189161		
127	13.0		10.5	15.7
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/8/2020 1:23:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.469 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY002621.D
Acq: 07 May 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90356		
182	94.1		47.9	143.8
145	31.0		15.0	45.1

