

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040220\
 Data File : VY002184.D
 Acq On : 02 Apr 2020 12:18
 Operator : SY/MD
 Sample : VY0402SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/6/2020 11:28:34 AM

Quant Time: Apr 03 03:41:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	156360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	284098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	254663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	116377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	82949	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	7.74	113	77662	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.19	98	318722	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.49	95	112049	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29366	25.458	ug/l	94
3) Chloromethane	2.13	50	38980	21.332	ug/l	99
4) Vinyl Chloride	2.27	62	40498	21.792	ug/l	97
5) Bromomethane	2.66	94	26533	21.877	ug/l	96
6) Chloroethane	2.81	64	25175	21.097	ug/l	95
7) Trichlorofluoromethane	3.15	101	54478	21.392	ug/l	93
8) Diethyl Ether	3.55	74	21350	19.793	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	35400	21.187	ug/l	97
10) Methyl Iodide	4.11	142	37460	18.854	ug/l	100
11) Tert butyl alcohol	4.98	59	23409	114.922	ug/l #	94
12) 1,1-Dichloroethene	3.90	96	35501	20.924	ug/l	92
13) Acrolein	3.76	56	20200	79.344	ug/l	97
14) Allyl chloride	4.50	41	63503	20.446	ug/l	99
15) Acrylonitrile	5.19	53	56435	99.821	ug/l	99
16) Acetone	3.97	43	47452	97.713	ug/l	97
17) Carbon Disulfide	4.22	76	114708	20.372	ug/l	100
18) Methyl Acetate	4.50	43	25716	20.393	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	93975	19.855	ug/l	99
20) Methylene Chloride	4.74	84	45376	19.437	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	39758	20.581	ug/l	94
22) Diisopropyl ether	6.14	45	128722	20.251	ug/l	98
23) Vinyl Acetate	6.09	43	415157	99.604	ug/l	100
24) 1,1-Dichloroethane	6.05	63	69613	20.598	ug/l	99
25) 2-Butanone	7.01	43	72585	97.341	ug/l	100
26) 2,2-Dichloropropane	7.00	77	58689	21.085	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	43492	20.465	ug/l	98
28) Bromochloromethane	7.36	49	31315	20.296	ug/l	98
29) Tetrahydrofuran	7.37	42	47391	96.935	ug/l	99
30) Chloroform	7.53	83	64271	20.063	ug/l	96
31) Cyclohexane	7.80	56	72205	20.050	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	54882	20.520	ug/l	99
36) 1,1-Dichloropropene	7.94	75	55051	20.487	ug/l	100
37) Ethyl Acetate	7.10	43	32113	19.776	ug/l	99
38) Carbon Tetrachloride	7.92	117	47223	20.713	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	70837	20.097	ug/l	97
40) Benzene	8.17	78	162532	20.419	ug/l	99
41) Methacrylonitrile	7.33	41	14987	18.246	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	42192	19.966	ug/l	99
43) Isopropyl Acetate	8.29	43	58839	19.522	ug/l	99
44) Trichloroethene	8.96	130	39296	20.480	ug/l	96
45) 1,2-Dichloropropane	9.23	63	40707	20.085	ug/l	99
46) Dibromomethane	9.32	93	20825	20.008	ug/l	99
47) Bromodichloromethane	9.51	83	49905	20.596	ug/l	96
48) Methyl methacrylate	9.30	41	26816	19.854	ug/l	96
49) 1,4-Dioxane	9.31	88	5892	412.522	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	158557	102.166	ug/l	100
52) Toluene	10.25	92	98381	20.435	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	53023	19.716	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	62218	19.649	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	30130	19.559	ug/l	93
56) Ethyl methacrylate	10.52	69	43451	19.312	ug/l	99
57) 1,3-Dichloropropane	10.80	76	53917	19.810	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	115352	99.773	ug/l	100
59) 2-Hexanone	10.85	43	105256	96.281	ug/l	100
60) Dibromochloromethane	11.00	129	32626	20.240	ug/l	97
61) 1,2-Dibromoethane	11.10	107	28337	19.653	ug/l	97
64) Tetrachloroethene	10.73	164	33674	21.612	ug/l	97
65) Chlorobenzene	11.53	112	99713	20.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	33607	20.435	ug/l	98
67) Ethyl Benzene	11.60	91	186027	20.375	ug/l	100
68) m/p-Xylenes	11.71	106	140243	41.545	ug/l	99
69) o-Xylene	12.04	106	64988	20.295	ug/l	100
70) Styrene	12.05	104	110906	19.987	ug/l	99
71) Bromoform	12.22	173	17826	19.790	ug/l #	99
73) Isopropylbenzene	12.34	105	177519	20.563	ug/l	99
74) N-amyl acetate	12.16	43	53495	19.647	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	36653	19.730	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	25869m	19.872	ug/l	
77) Bromobenzene	12.62	156	36919	20.033	ug/l	97
78) n-propylbenzene	12.68	91	220306	20.564	ug/l	99
79) 2-Chlorotoluene	12.77	91	119355	20.291	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	144830	20.334	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	13274	19.755	ug/l	99
82) 4-Chlorotoluene	12.86	91	125545	20.254	ug/l	99
83) tert-Butylbenzene	13.08	119	123748	20.815	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	146541	20.621	ug/l	99
85) sec-Butylbenzene	13.27	105	181629	20.626	ug/l	100
86) p-Isopropyltoluene	13.38	119	157383	20.812	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	73547	20.400	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	74879	20.640	ug/l	99
89) n-Butylbenzene	13.71	91	162816	20.665	ug/l	99
90) Hexachloroethane	13.97	117	28756	20.181	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	67853	20.380	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.38	75	5389	18.110	ug/l	96

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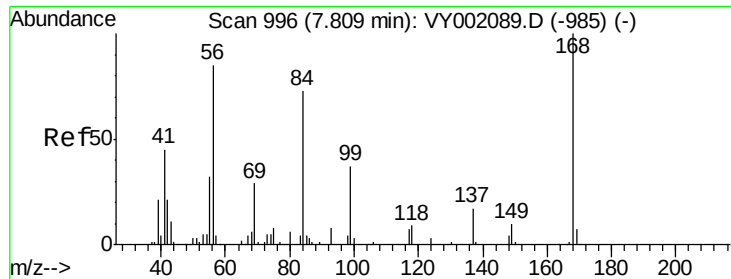
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	43271	20.164	ug/l	98
94) Hexachlorobutadiene	15.12	225	20913	19.743	ug/l	99
95) Naphthalene	15.25	128	99042	19.432	ug/l	98
96) 1,2,3-Trichlorobenzene	15.44	180	38373	19.719	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: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion:168 Resp: 156360

Ion Ratio Lower Upper

168 100

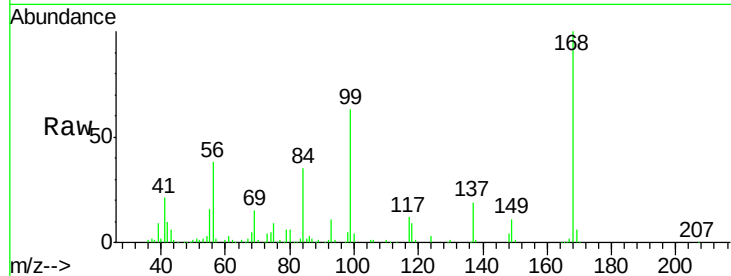
99 62.6 47.6 71.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

60000

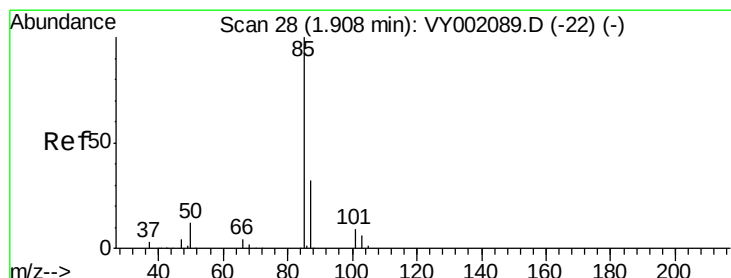
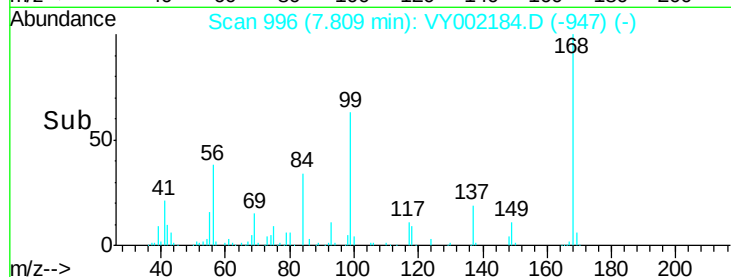
40000

20000

0

Time-->

7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 25.458 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002184.D

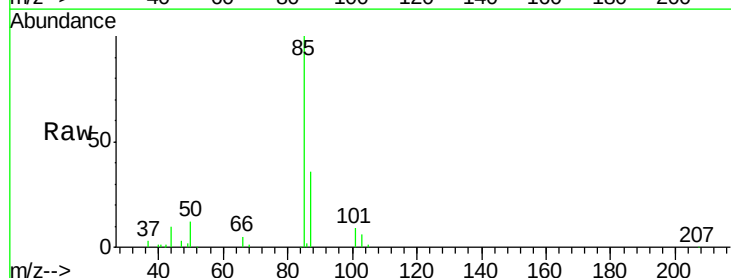
Acq: 02 Apr 2020 12:18

Tgt Ion: 85 Resp: 29366

Ion Ratio Lower Upper

85 100

87 35.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

20000

15000

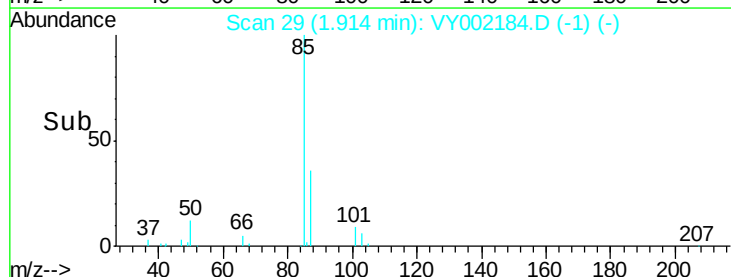
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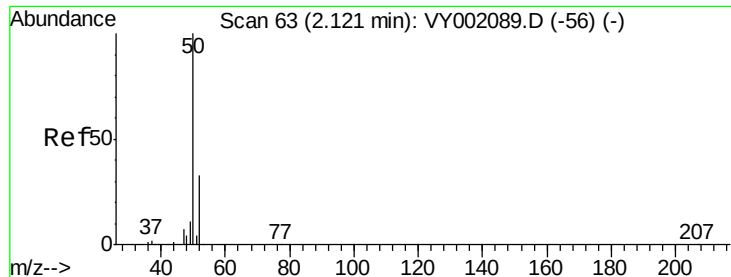
5000

0

Time-->

1.85 1.90 1.95 2.00 2.05





#3

Chloromethane

Concen: 21.332 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 50 Resp: 38980

Ion Ratio Lower Upper

50 100

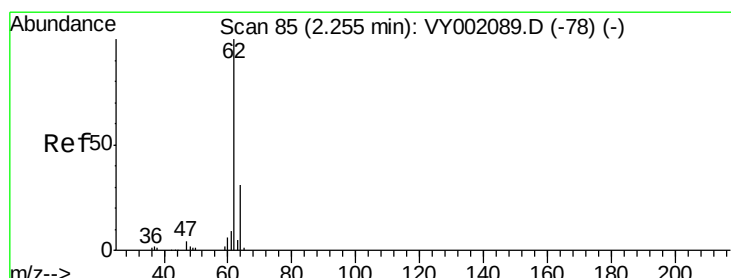
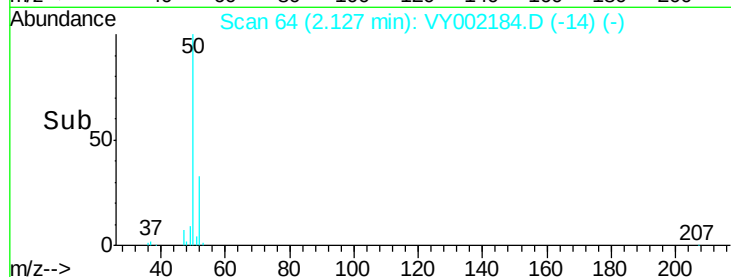
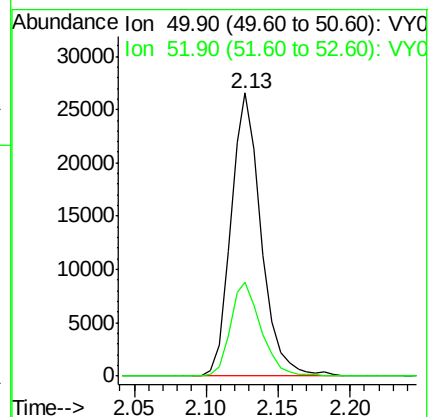
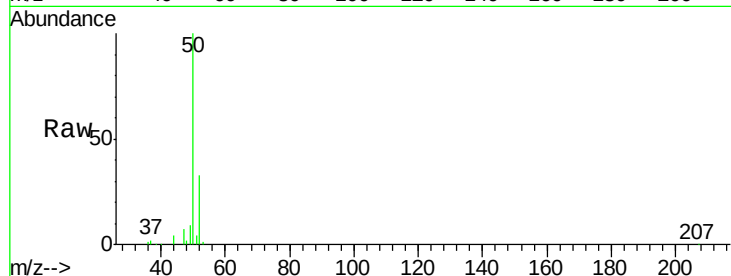
52 33.1 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.792 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002184.D

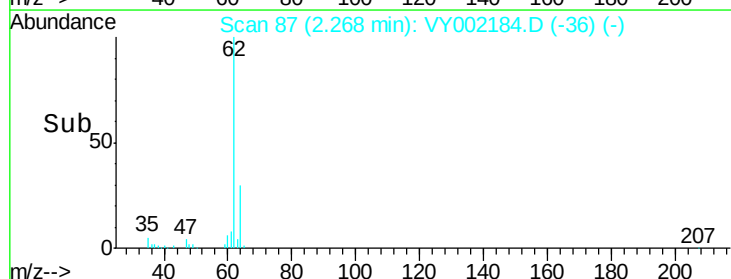
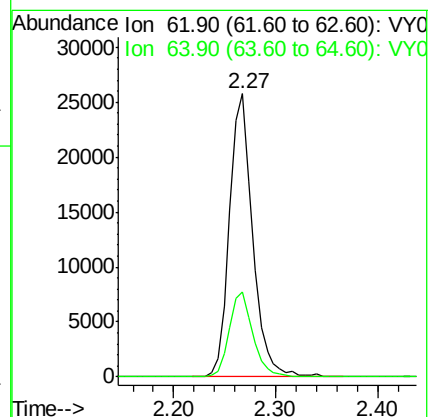
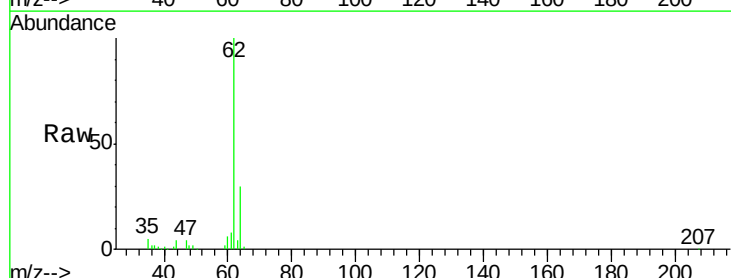
Acq: 02 Apr 2020 12:18

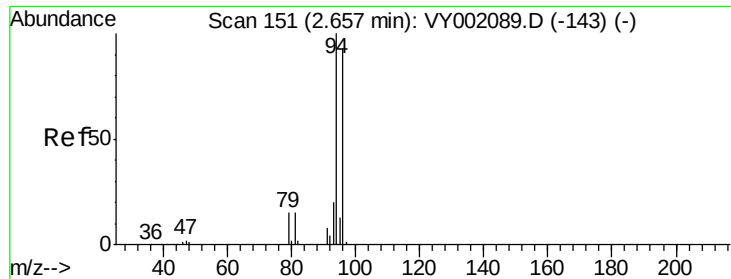
Tgt Ion: 62 Resp: 40498

Ion Ratio Lower Upper

62 100

64 29.9 25.2 37.8





#5

Bromomethane

Concen: 21.877 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 94 Resp: 26533

Ion Ratio Lower Upper

94 100

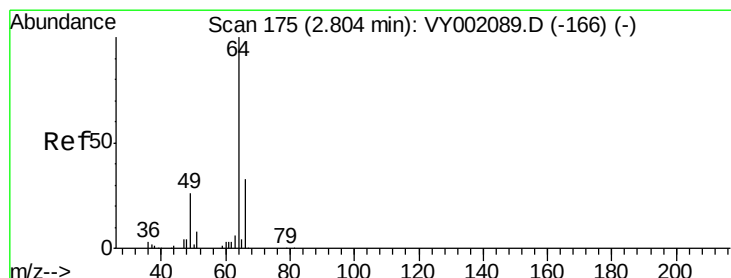
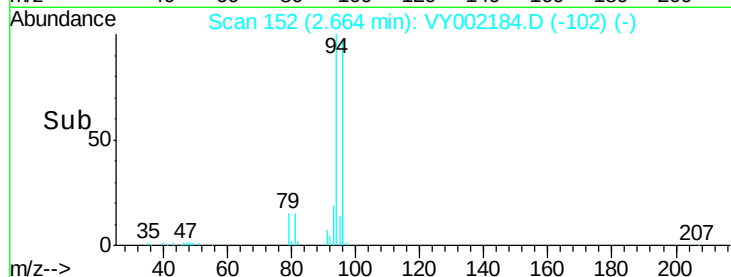
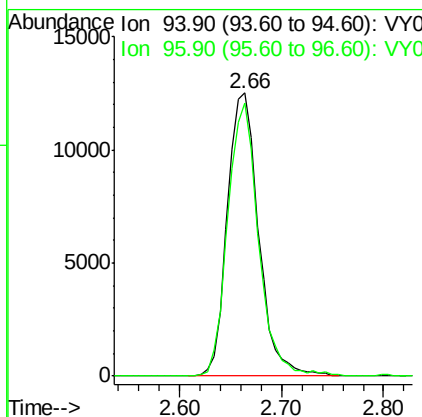
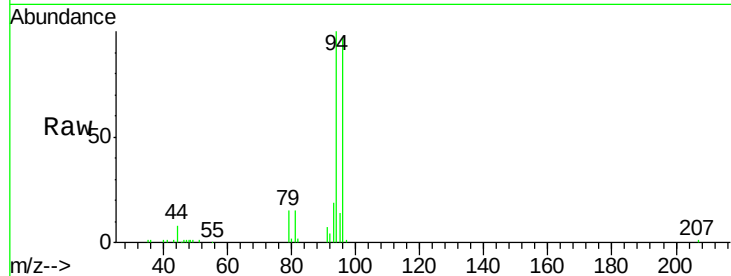
96 96.7 74.1 111.1

Manual Integrations

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4/6/2020 11:28:34 AM



#6

Chloroethane

Concen: 21.097 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002184.D

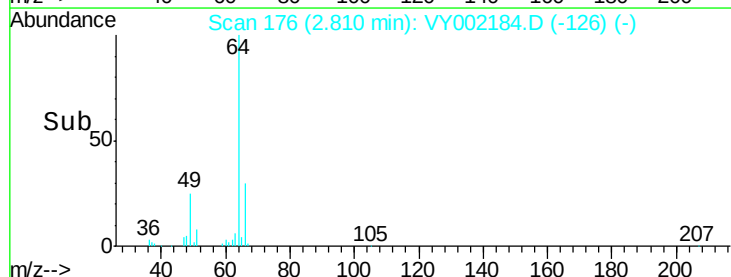
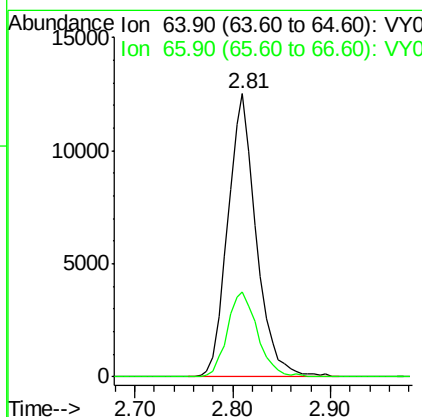
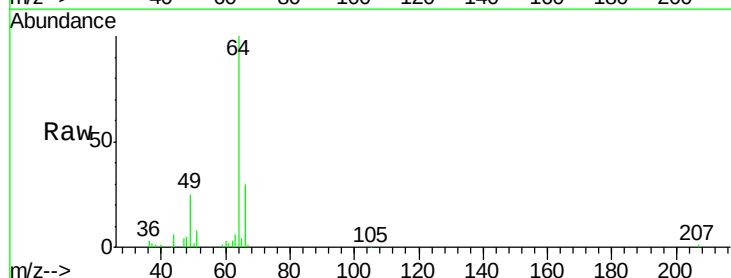
Acq: 02 Apr 2020 12:18

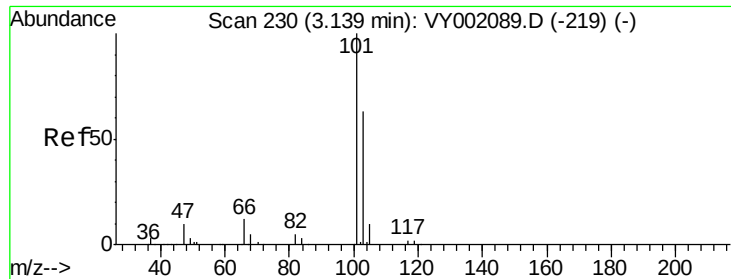
Tgt Ion: 64 Resp: 25175

Ion Ratio Lower Upper

64 100

66 30.2 26.6 39.8





#7

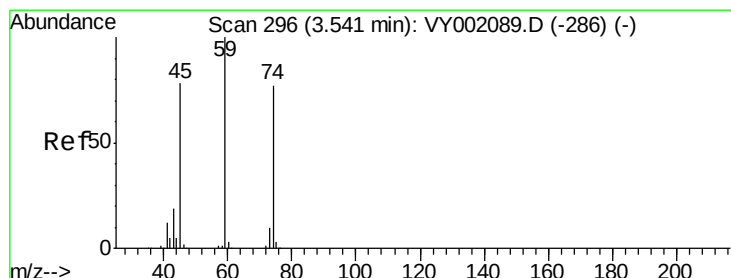
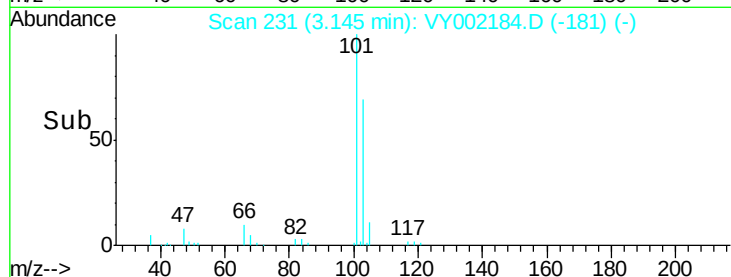
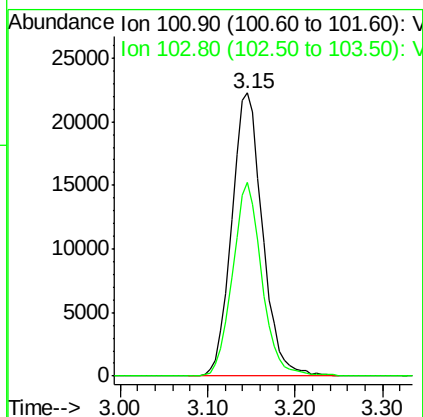
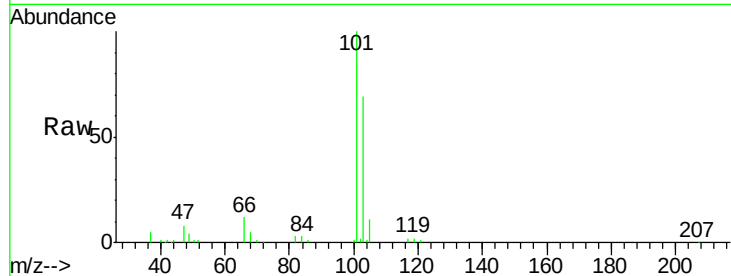
Trichlorofluoromethane
Concen: 21.392 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
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ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	50.6	76.0

Manual Integrations
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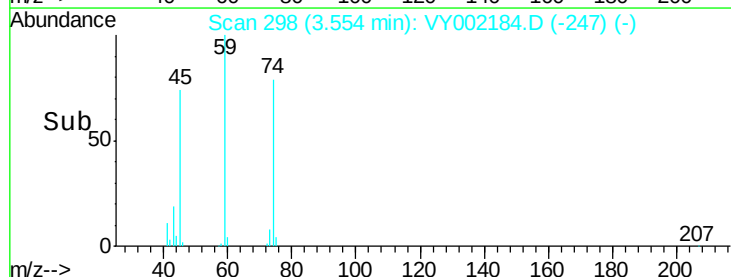
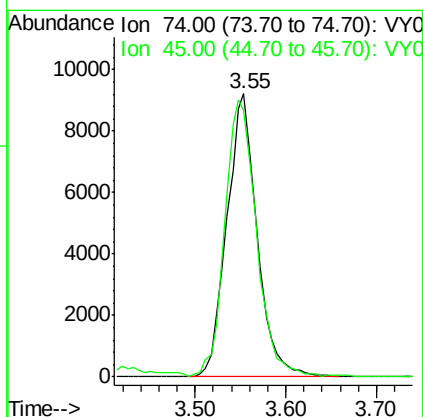
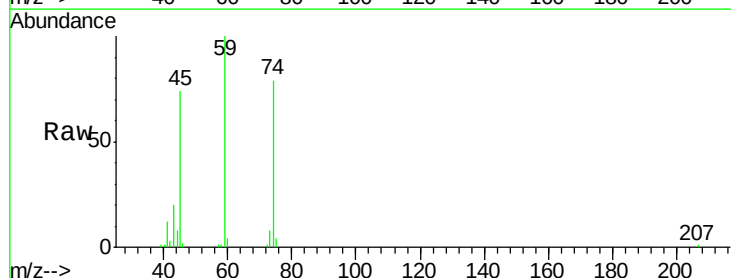
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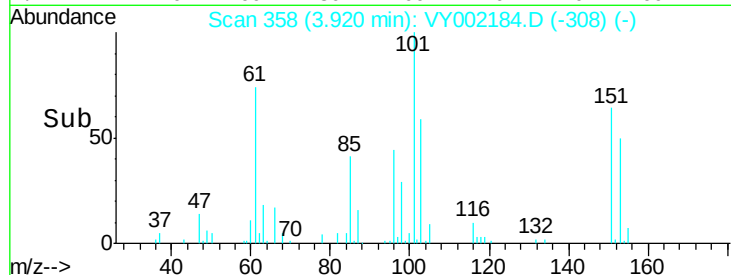
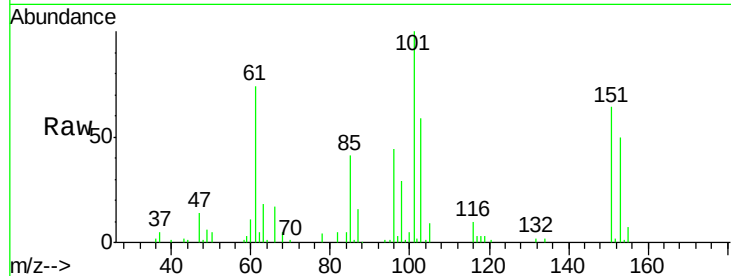
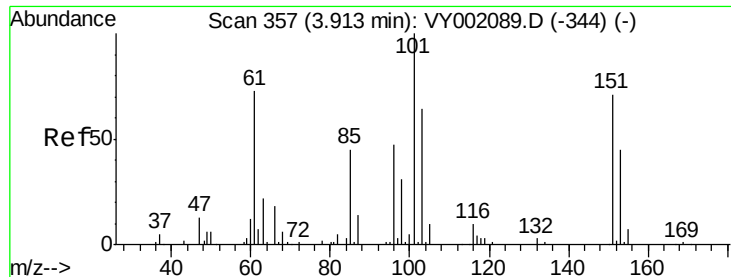


#8

Diethyl Ether
Concen: 19.793 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
Lab File: VY002184.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	51.0	153.0





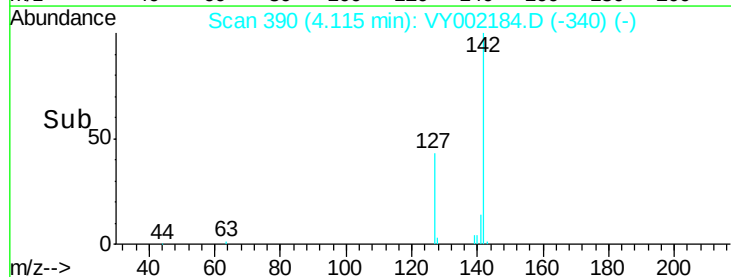
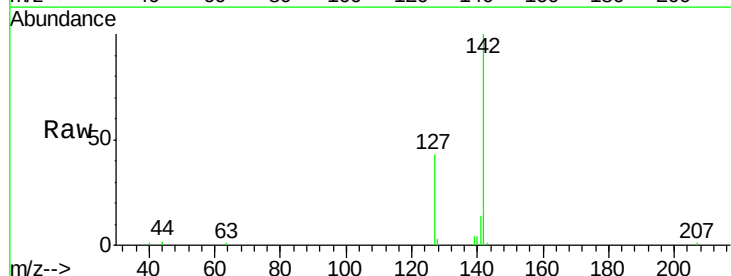
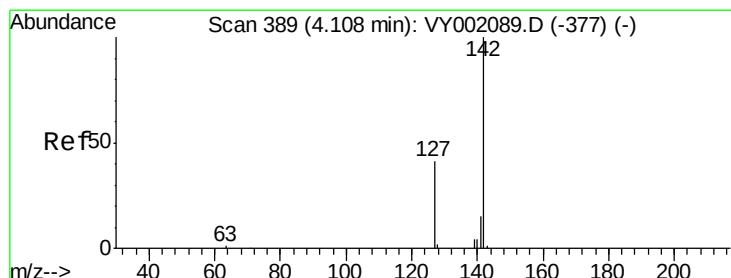
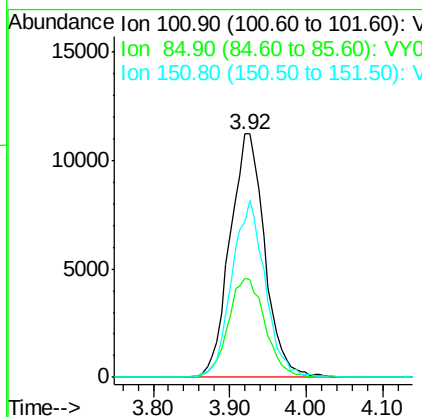
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.187 ug/l
RT: 3.92 min Scan# 358
Delta R.T. 0.01 min
Lab File: VY002184.D
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Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	35400		
85	42.8		35.9	53.9
151	69.6		57.5	86.3

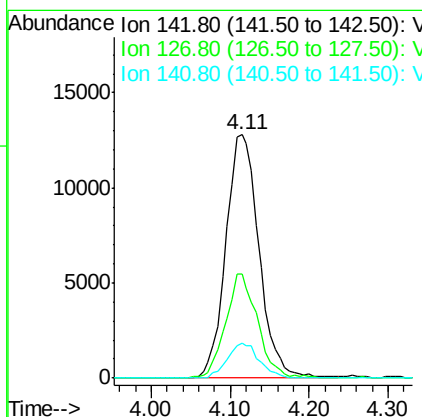
Manual Integrations
APPROVED

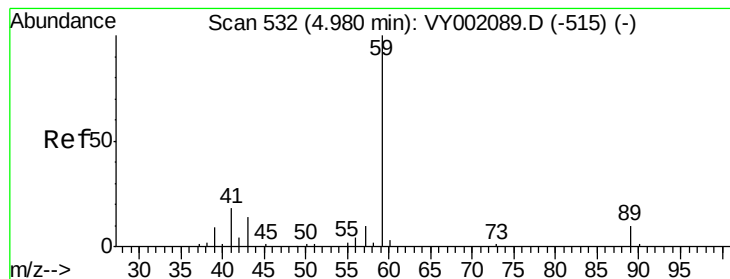
MMDadoda
4/6/2020 11:28:34 AM



#10
Methyl Iodide
Concen: 18.854 ug/l
RT: 4.11 min Scan# 390
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	37460		
127	40.9		32.6	49.0
141	13.7		11.4	17.0





#11

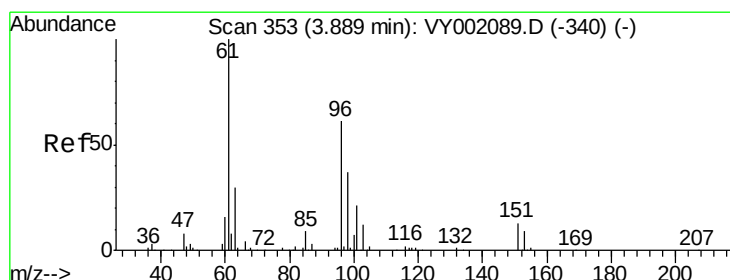
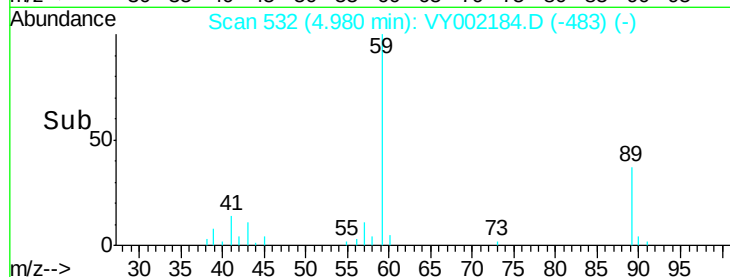
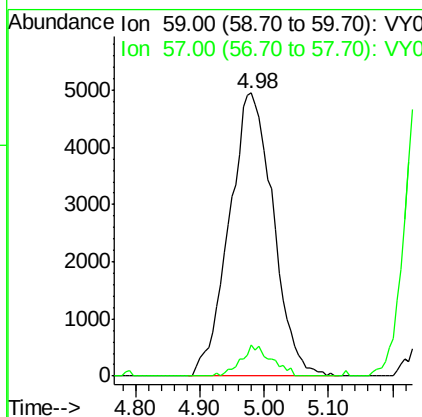
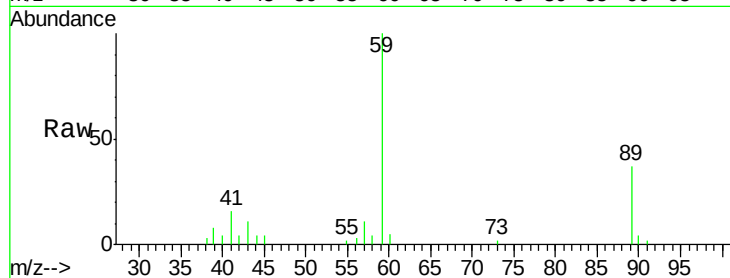
Tert butyl alcohol
 Concen: 114.922 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	59	57	Ratio	100	7.5	Resp	23409	Lower	Upper

Manual Integrations
 APPROVED

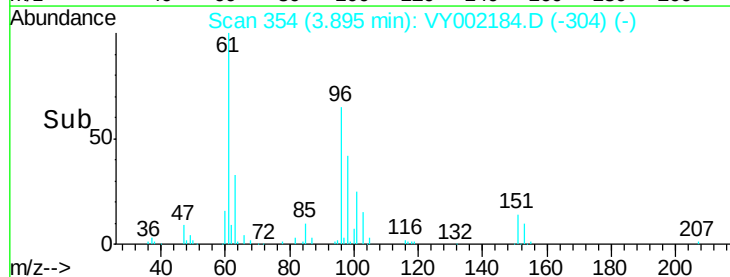
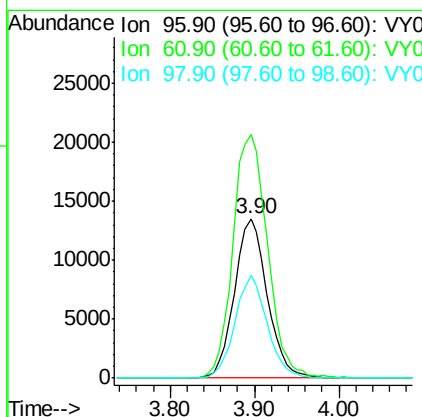
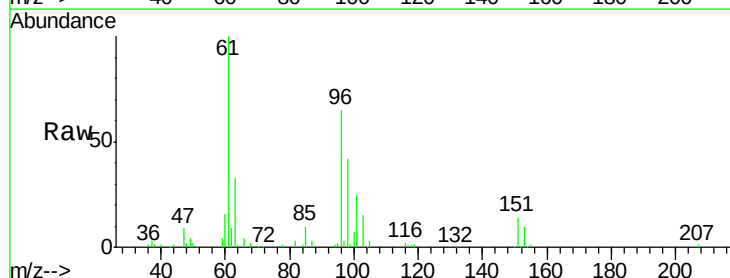
MMDadoda
 4/6/2020 11:28:34 AM

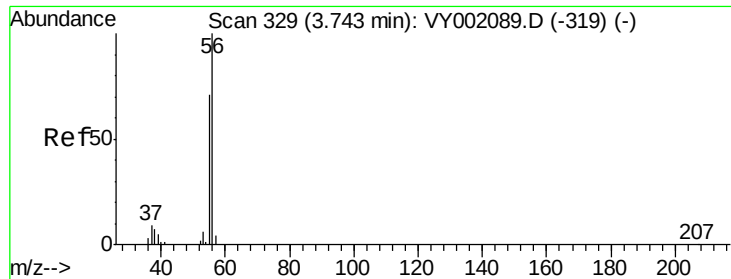


#12

1,1-Dichloroethene
 Concen: 20.924 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion	96	61	98	Ratio	100	152.7	64.7	Resp	35501	Lower	Upper





#13

Acrolein

Concen: 79.344 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 56 Resp: 20200

Ion Ratio Lower Upper

56 100

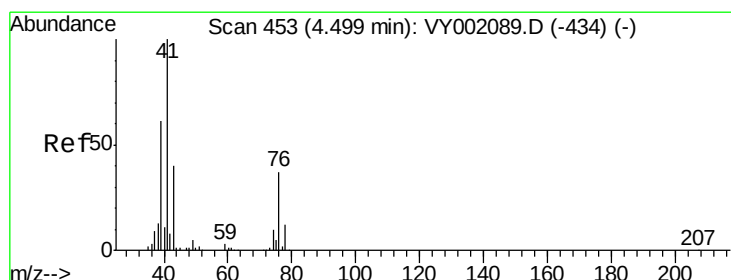
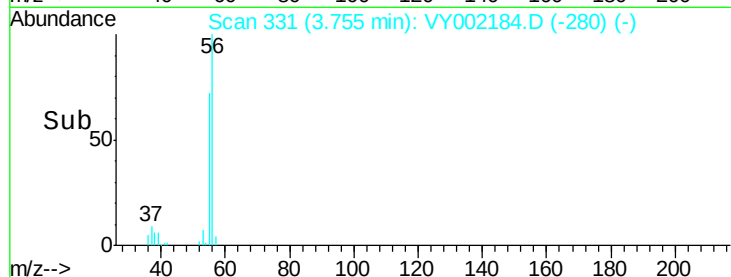
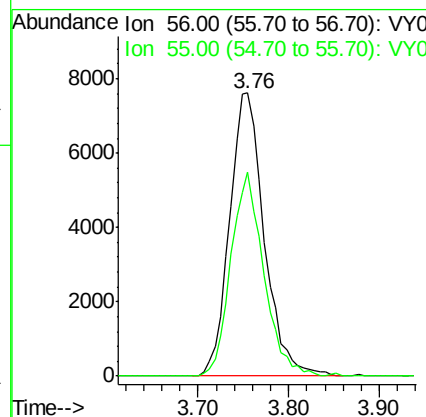
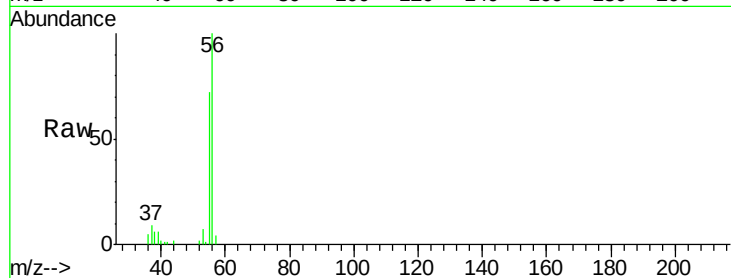
55 68.3 56.5 84.7

Manual Integrations

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4/6/2020 11:28:34 AM



#14

Allyl chloride

Concen: 20.446 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

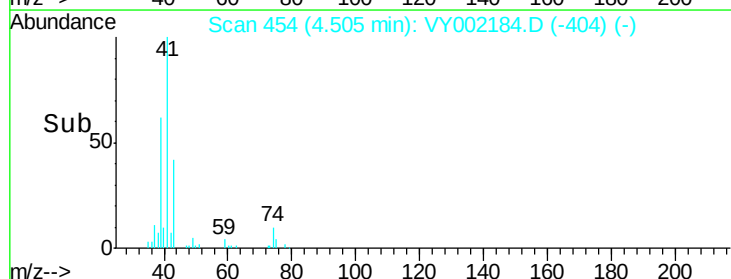
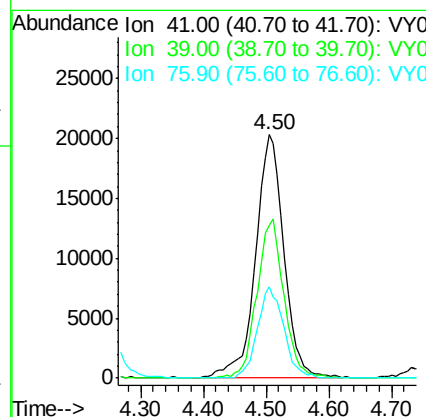
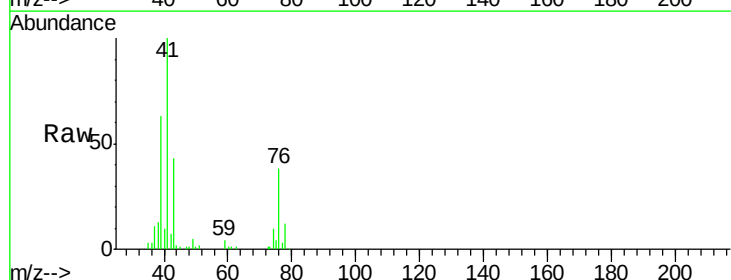
Tgt Ion: 41 Resp: 63503

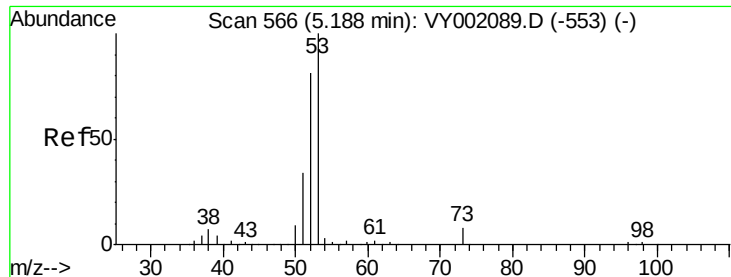
Ion Ratio Lower Upper

41 100

39 62.3 49.0 73.4

76 34.8 27.8 41.8





#15

Acrylonitrile

Concen: 99.821 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

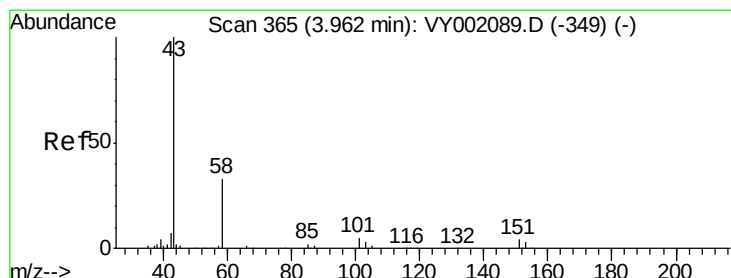
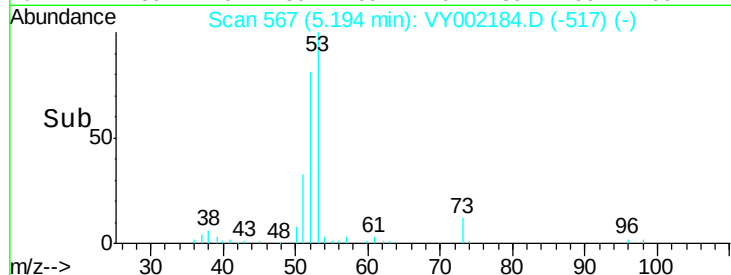
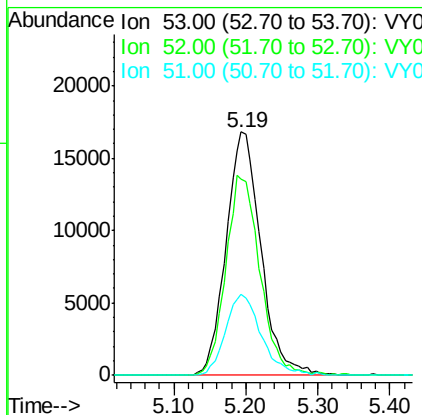
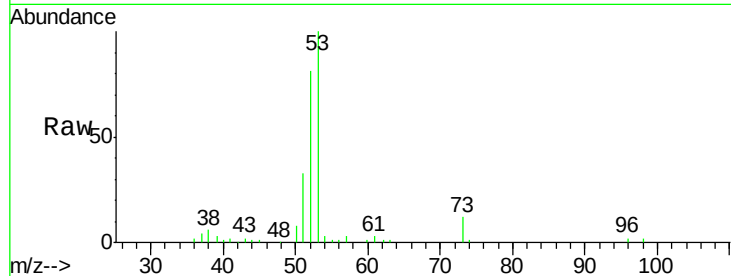
ClientSampleId :

VY0402SBS01

Tot Ion:	53	Resp:	56435
Ion	Ratio	Lower	Upper
53	100		
52	80.3	64.6	97.0
51	34.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 97.713 ug/l

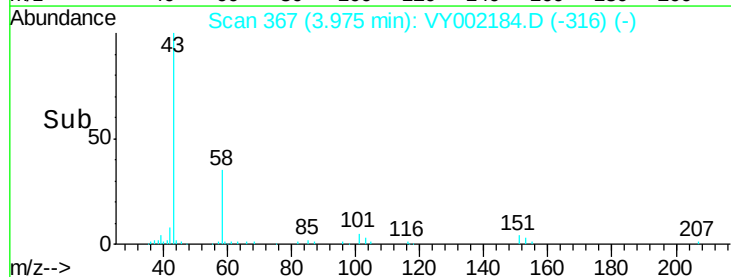
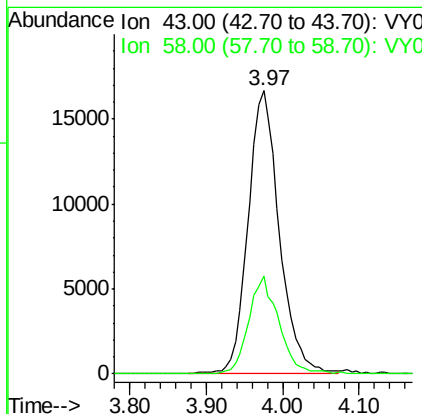
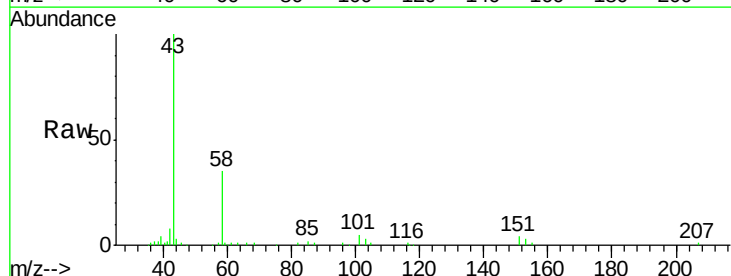
RT: 3.97 min Scan# 367

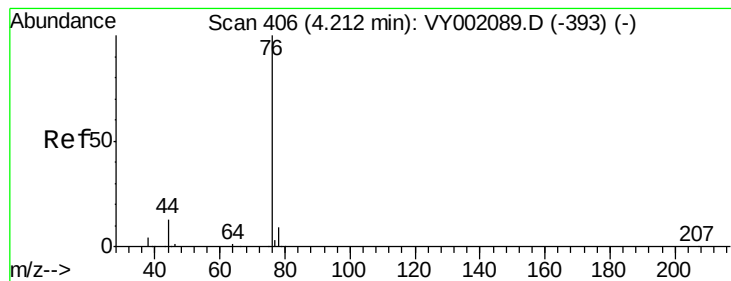
Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Tgt Ion:	43	Resp:	47452
Ion	Ratio	Lower	Upper
43	100		
58	34.7	26.3	39.5





#17

Carbon Disulfide

Concen: 20.372 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 76 Resp: 114708

Ion Ratio Lower Upper

76 100

78 9.0

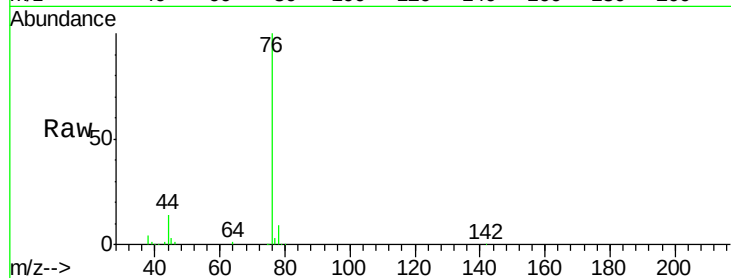
7.3 10.9

Manual Integrations

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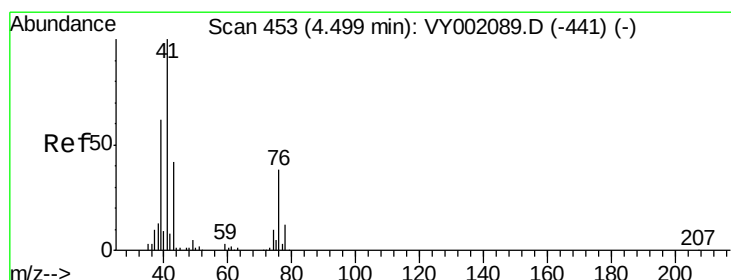
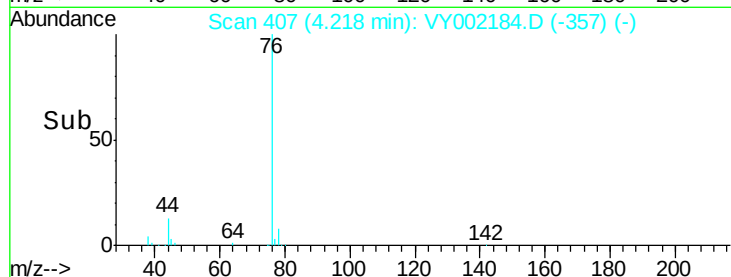
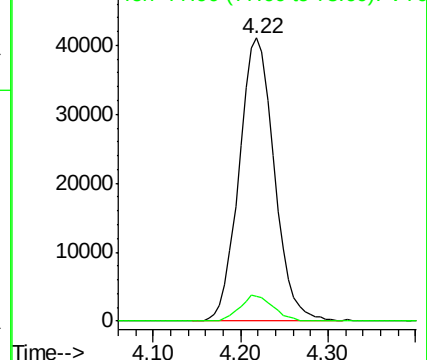
MMDadoda

4/6/2020 11:28:34 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 20.393 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

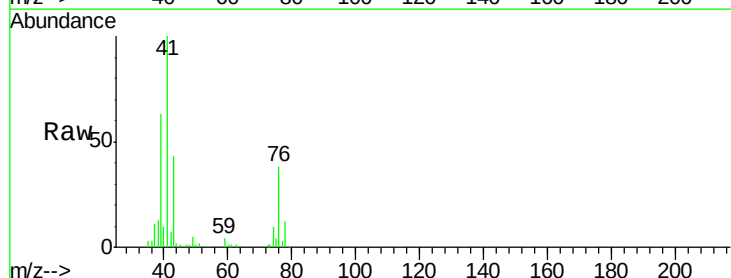
Tgt Ion: 43 Resp: 25716

Ion Ratio Lower Upper

43 100

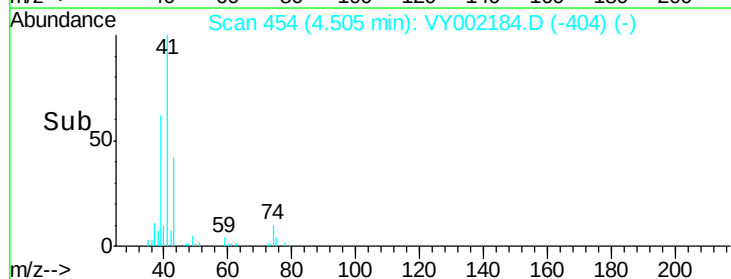
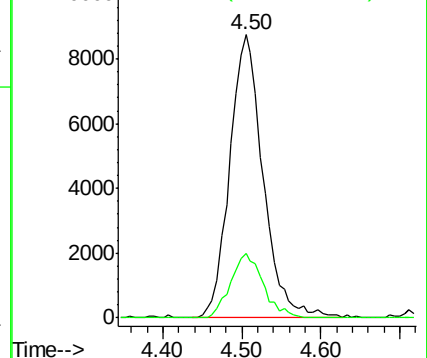
74 22.2

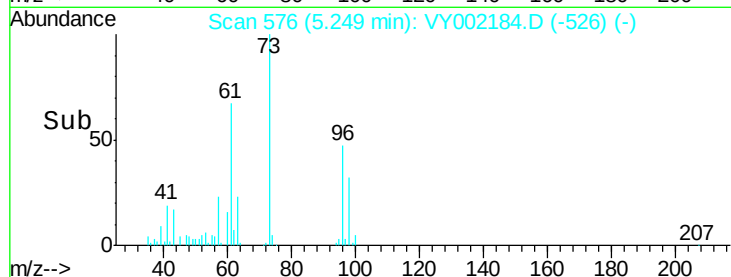
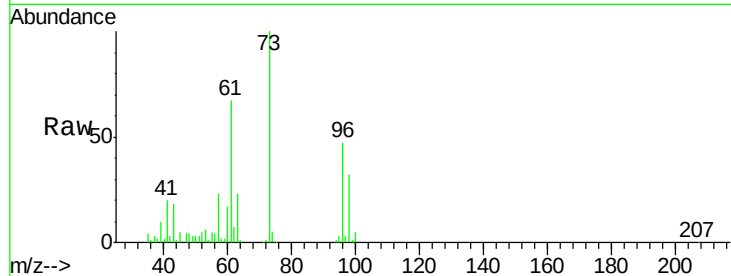
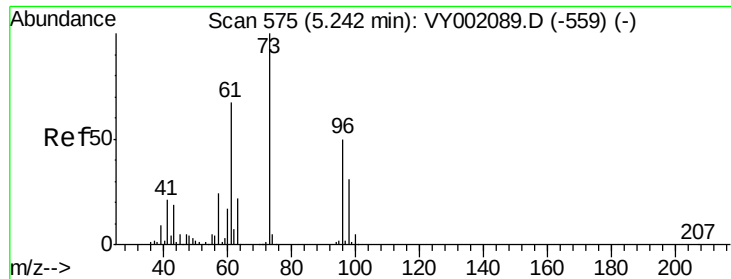
18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





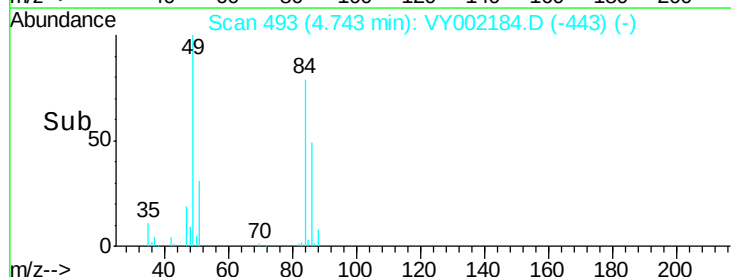
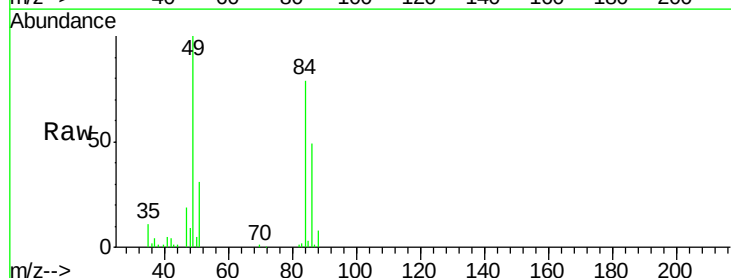
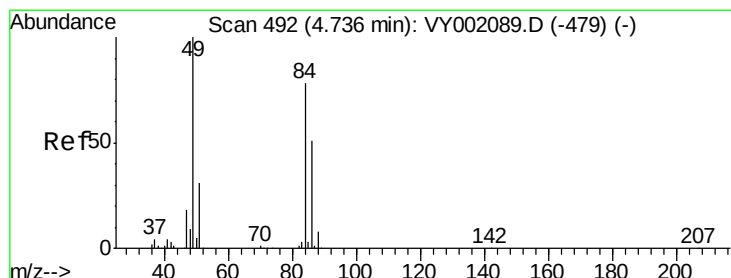
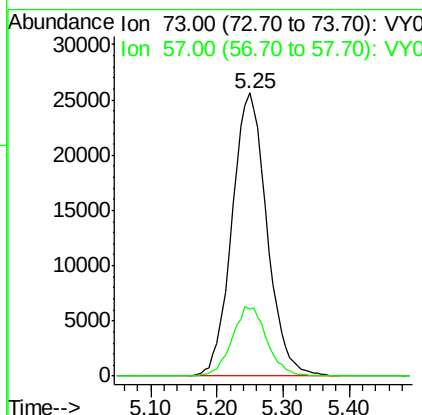
#19
Methyl tert-butyl Ether
Concen: 19.855 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tot Ion	73	Resp	93975
Ion Ratio	100	Lower	Upper
57	23.5	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

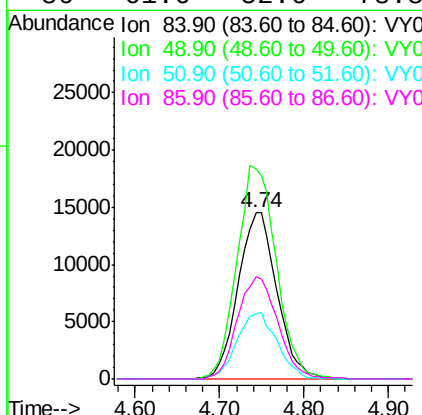
Manual Integrations
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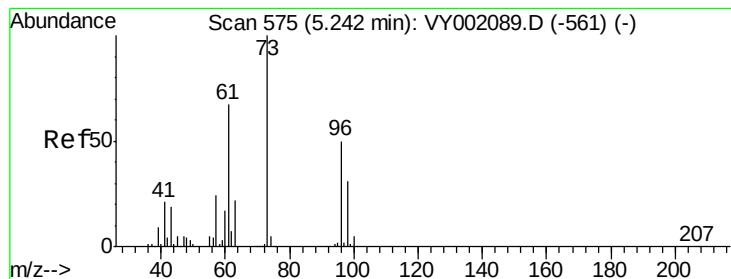
MMDadoda
4/6/2020 11:28:34 AM



#20
Methylene Chloride
Concen: 19.437 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	84	Resp	45376
Ion Ratio	100	Lower	Upper
49	126.5	102.2	153.4
51	39.3	31.2	46.8
86	61.6	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 20.581 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

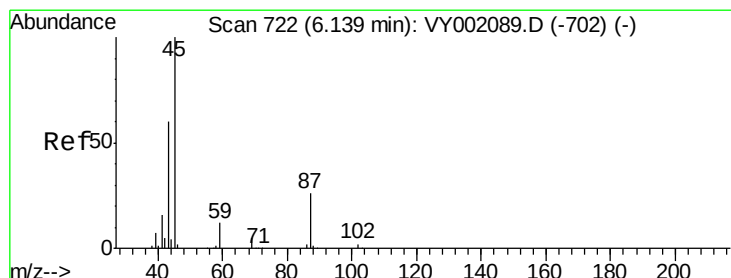
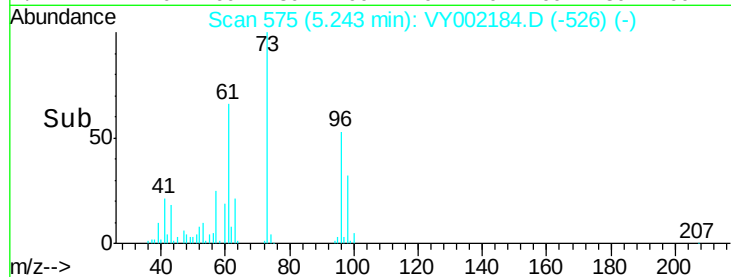
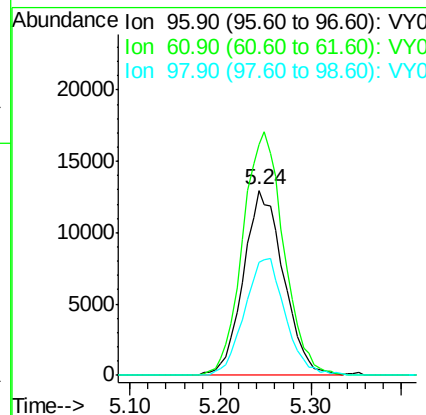
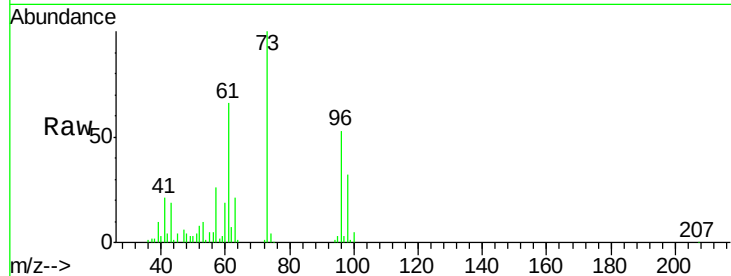
ClientSampleId :

VY0402SBS01

Tot Ion:	96	Resp:	39758
Ion	Ratio	Lower	Upper
96	100		
61	125.2	107.7	161.5
98	60.9	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.251 ug/l

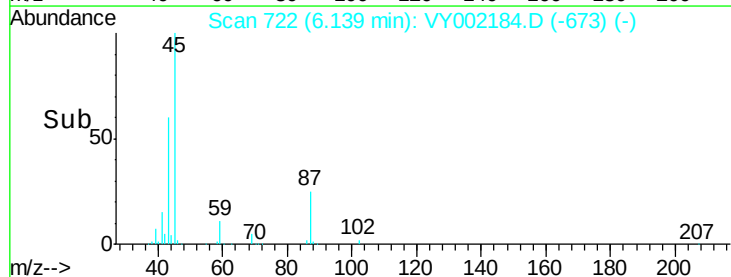
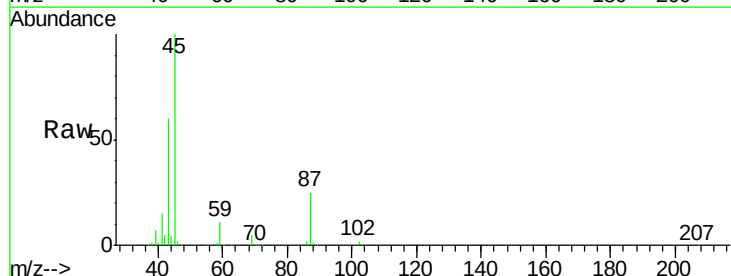
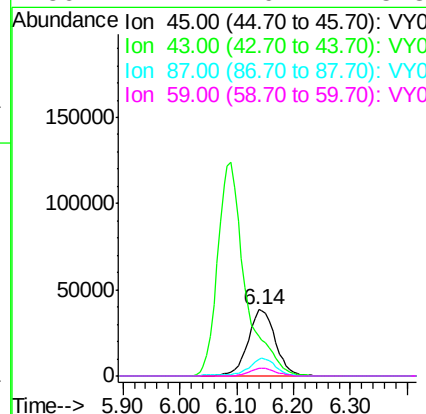
RT: 6.14 min Scan# 722

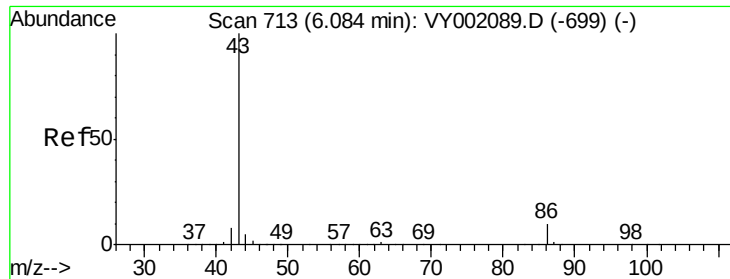
Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Tgt Ion:	45	Resp:	128722
Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.1	72.1
87	24.9	21.1	31.7
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 99.604 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleID :

VY0402SBS01

Tot Ion: 43 Resp: 415157

Ion Ratio Lower Upper

43 100

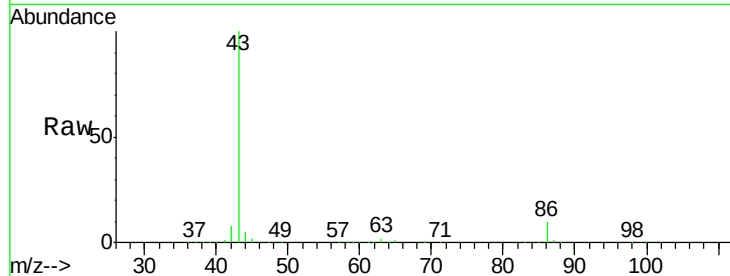
86 10.0 7.9 11.9

Manual Integrations

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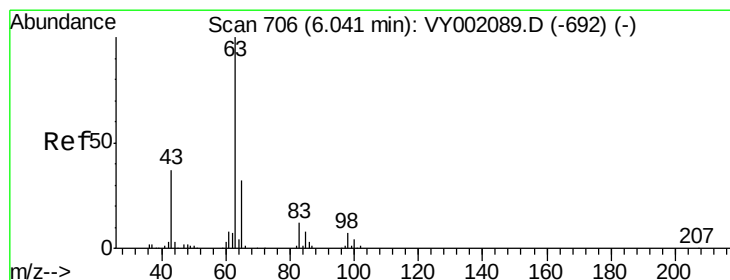
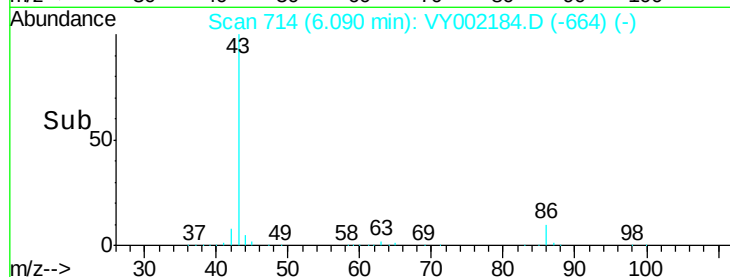
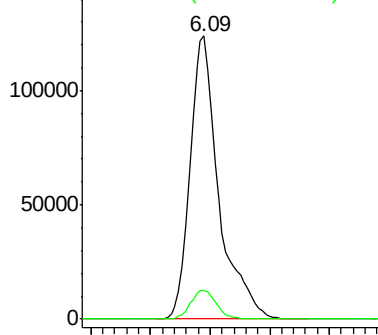
MMDadoda

4/6/2020 11:28:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.598 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

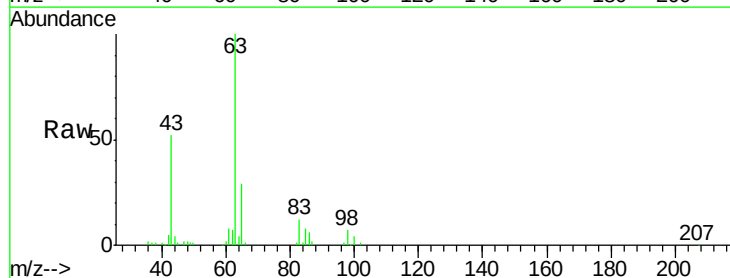
Tgt Ion: 63 Resp: 69613

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

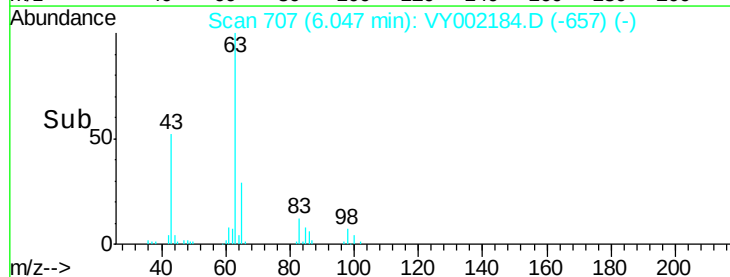
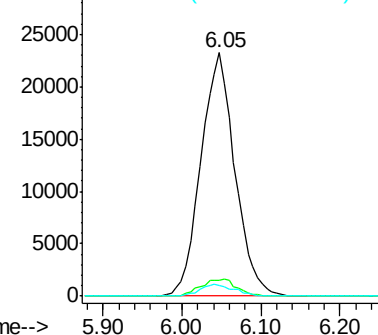
100 4.1 1.8 5.5

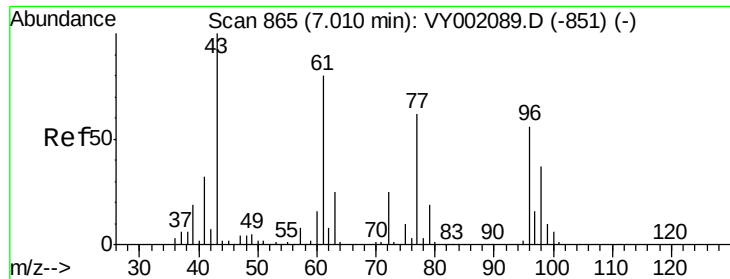


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 97.341 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 43 Resp: 72585

Ion Ratio Lower Upper

43 100

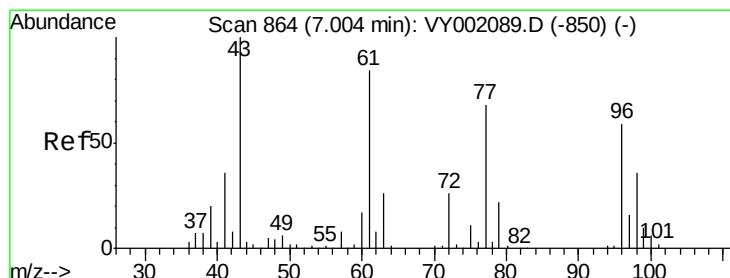
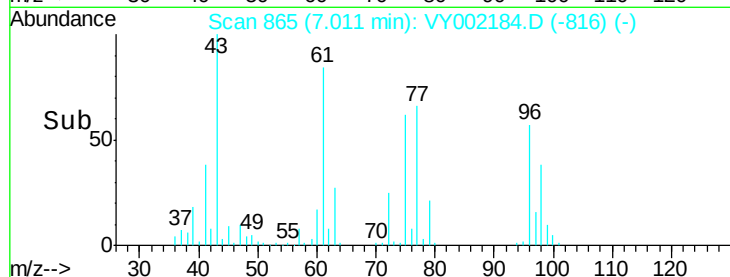
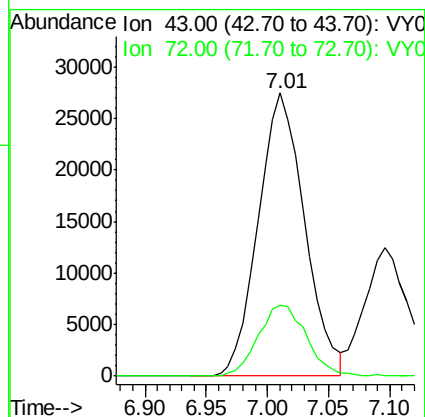
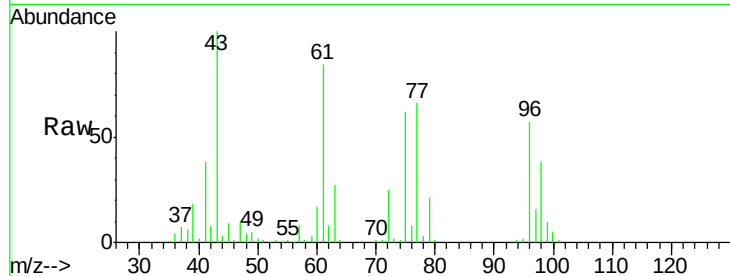
72 25.2 20.2 30.2

Manual Integrations

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MMDadoda

4/6/2020 11:28:34 AM



#26

2,2-Dichloropropane

Concen: 21.085 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002184.D

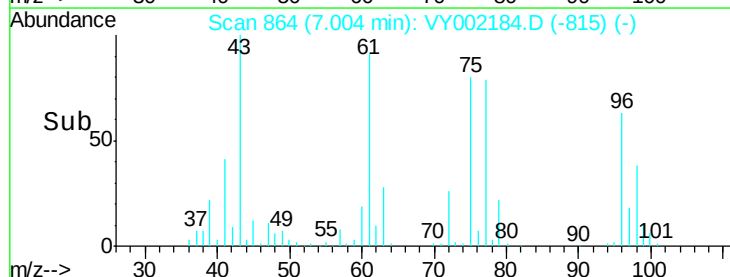
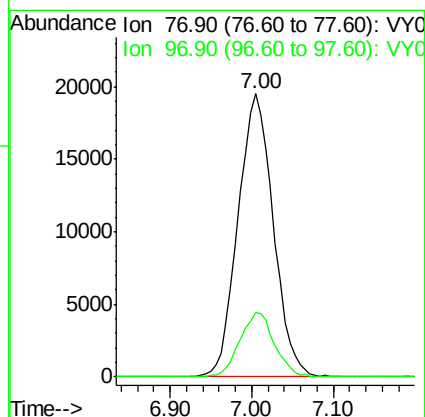
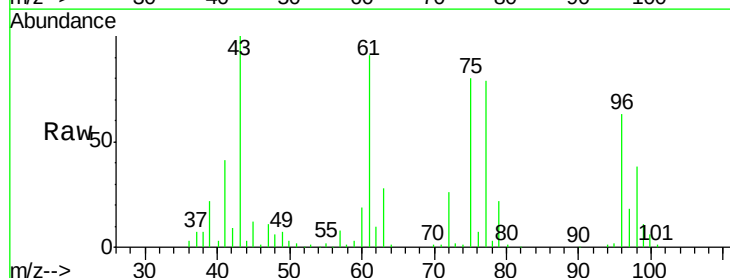
Acq: 02 Apr 2020 12:18

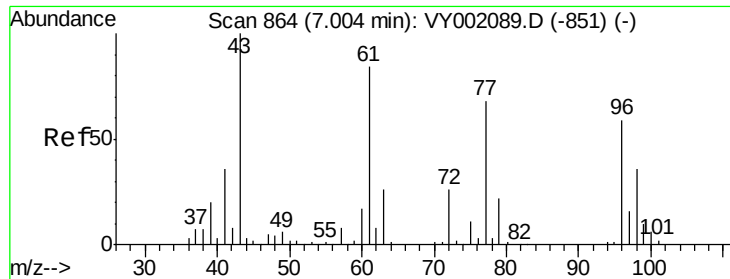
Tgt Ion: 77 Resp: 58689

Ion Ratio Lower Upper

77 100

97 22.2 11.7 35.1





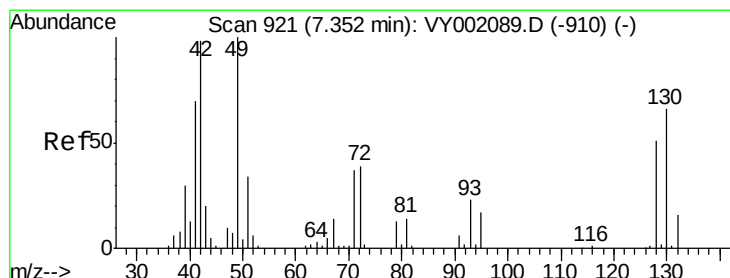
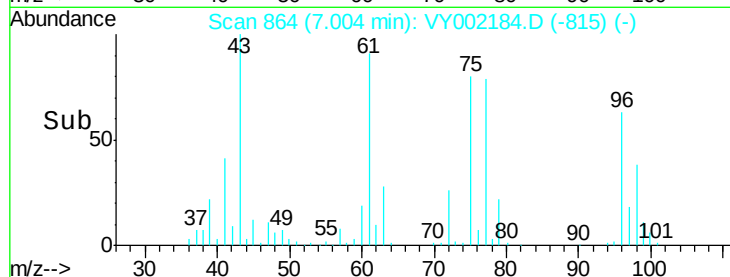
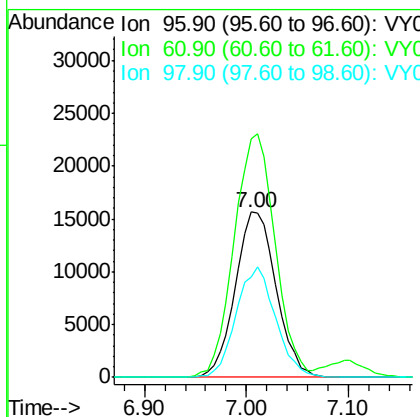
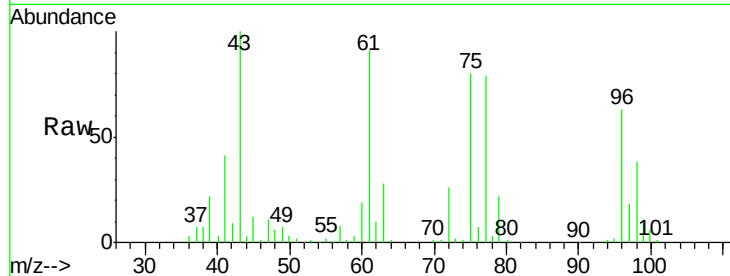
#27
 cis-1,2-Dichloroethene
 Concen: 20.465 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	290.6
98	64.4	0.0	128.0

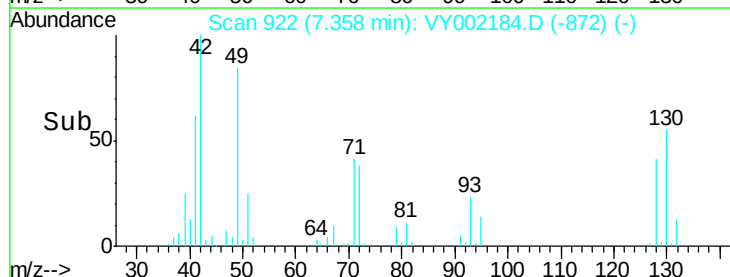
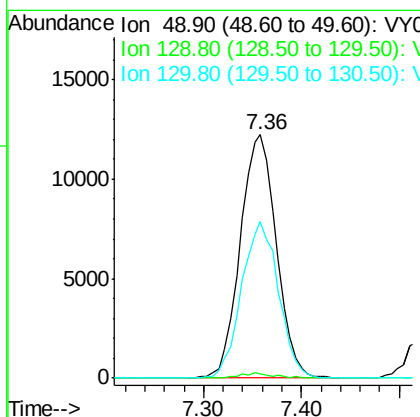
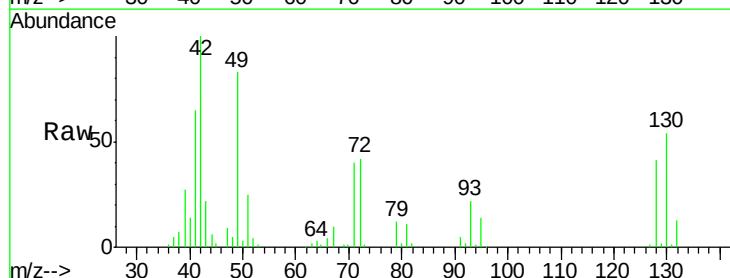
Manual Integrations
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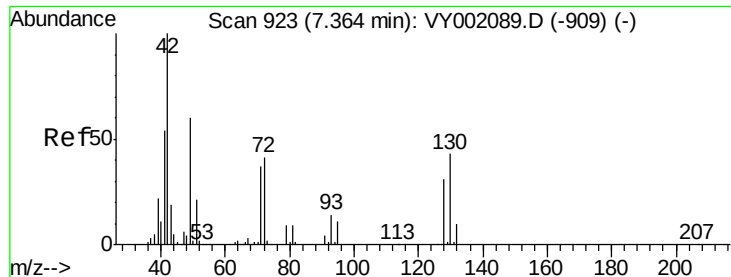
MMDadoda
 4/6/2020 11:28:34 AM



#28
 Bromochloromethane
 Concen: 20.296 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	66.0	54.1	81.1





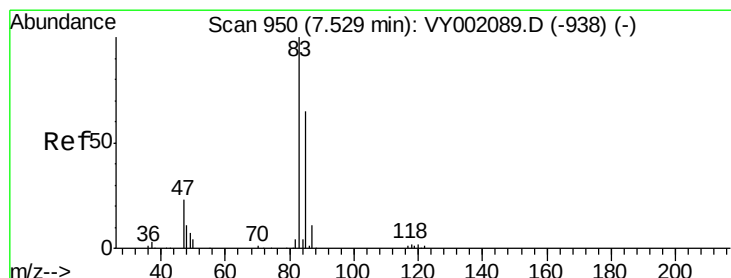
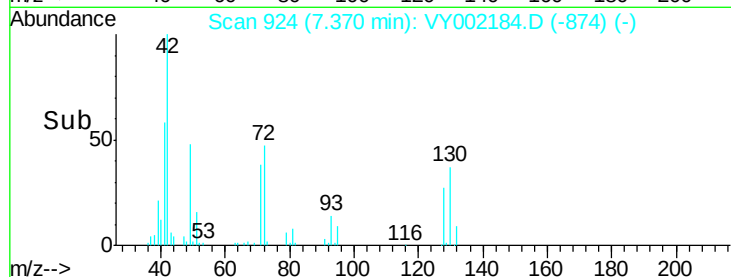
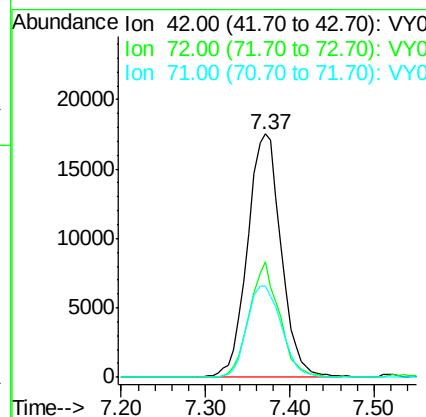
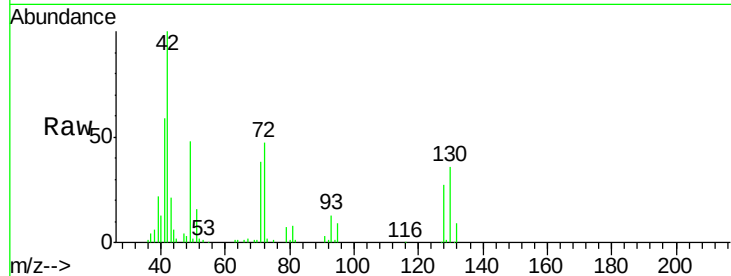
#29
Tetrahydrofuran
Concen: 96.935 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.0	49.4
71	38.6	31.2	46.8

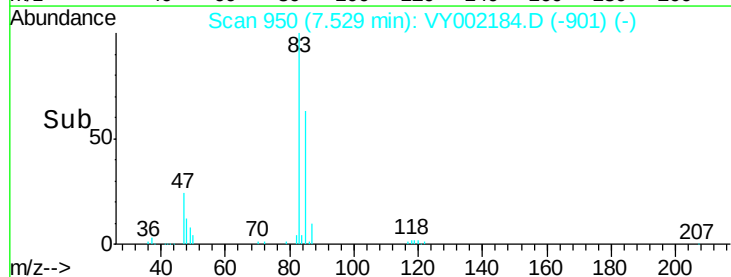
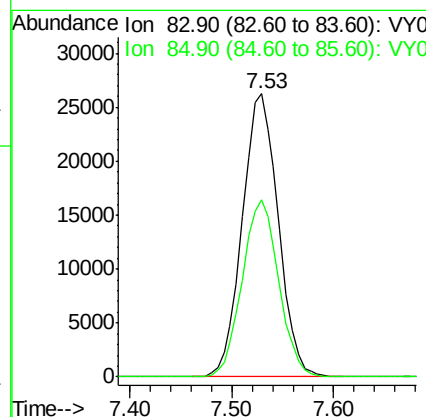
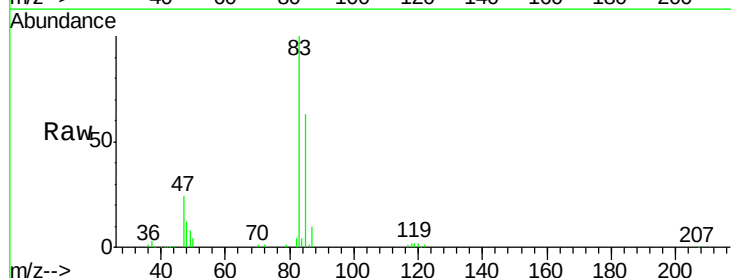
Manual Integrations
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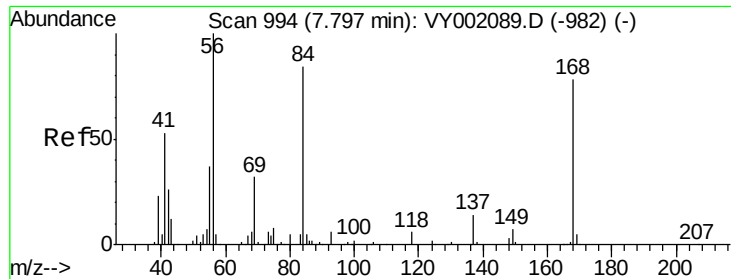
MMDadoda
4/6/2020 11:28:34 AM



#30
Chloroform
Concen: 20.063 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.4	78.6





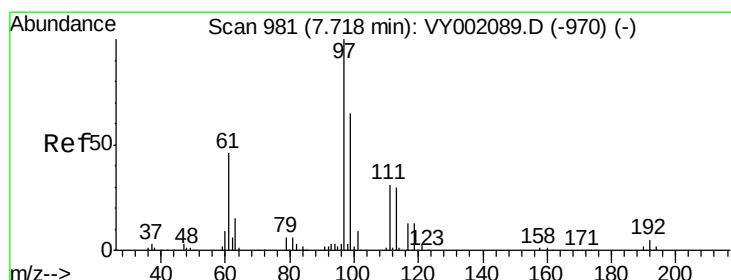
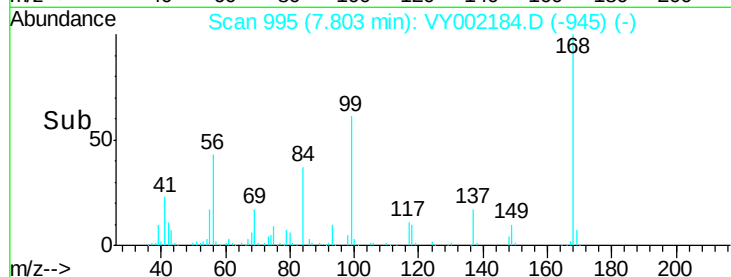
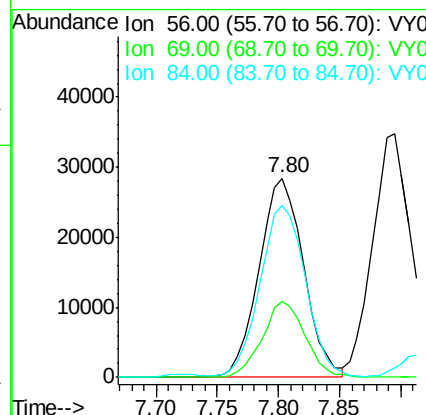
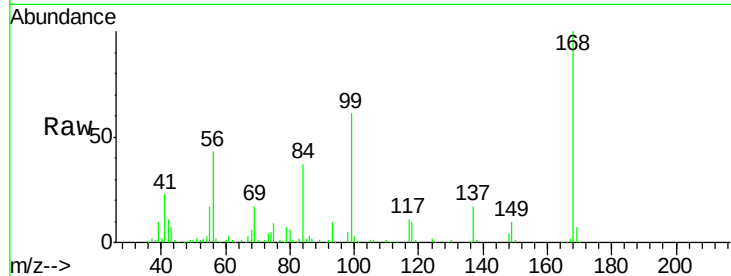
#31
Cyclohexane
Concen: 20.050 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	25.8	38.8
84	85.0	67.1	100.7

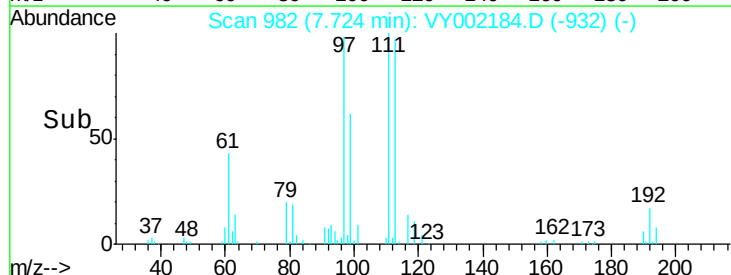
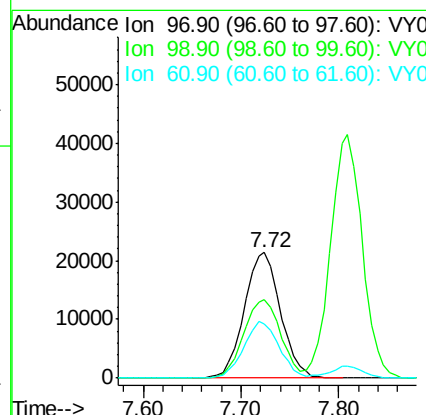
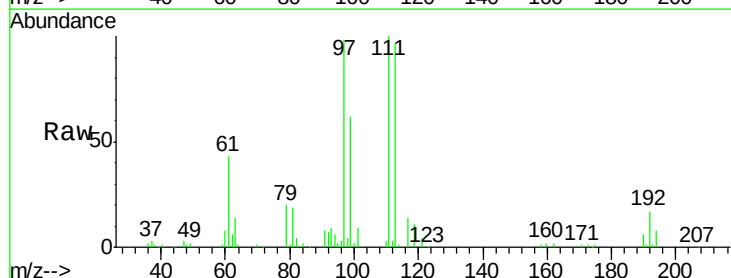
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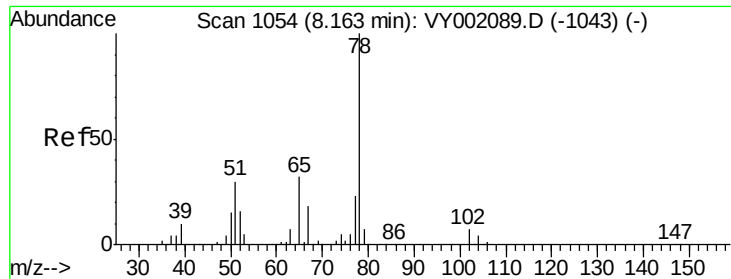
MMDadoda
4/6/2020 11:28:34 AM



#32
1,1,1-Trichloroethane
Concen: 20.520 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.0	78.0
61	44.3	35.7	53.5





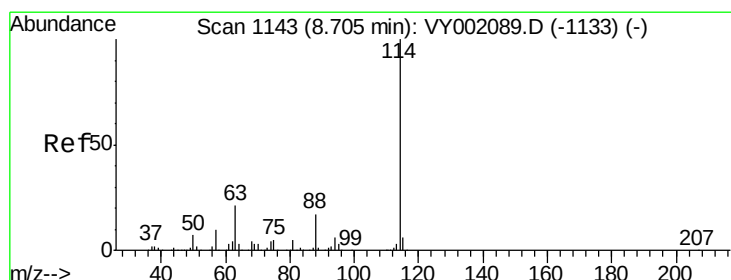
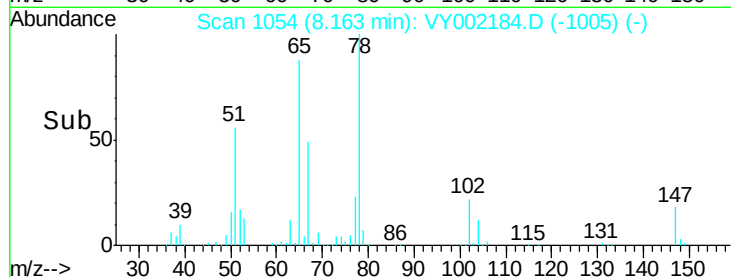
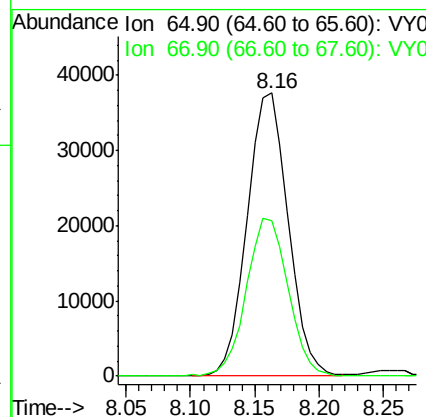
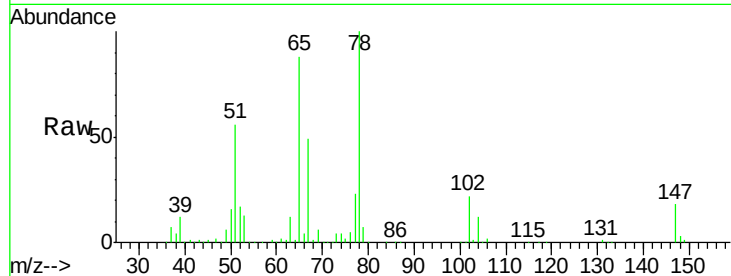
#33
 1,2-Dichloroethane-d4
 Concen: 47.989 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.9	0.0	112.8

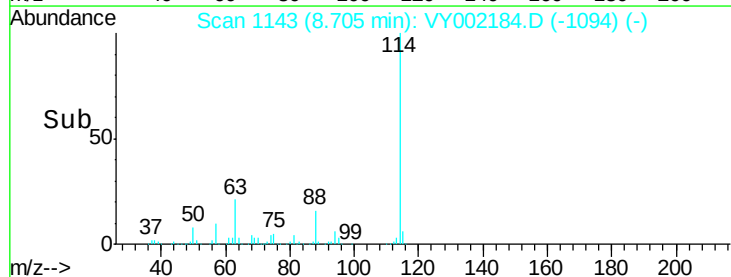
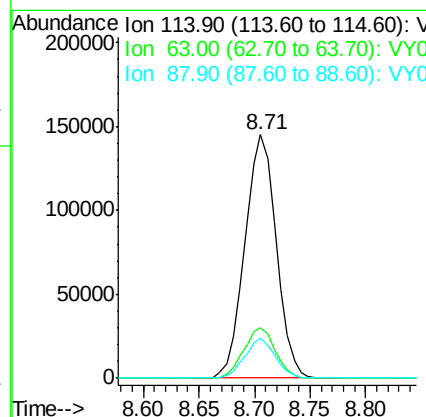
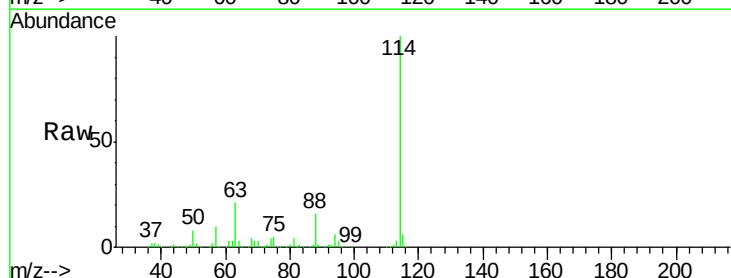
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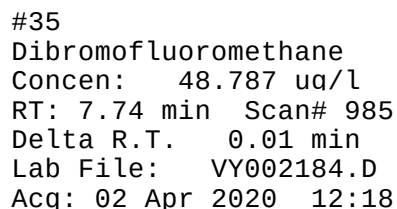
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 4/6/2020 11:28:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.4
88	16.5	0.0	33.0



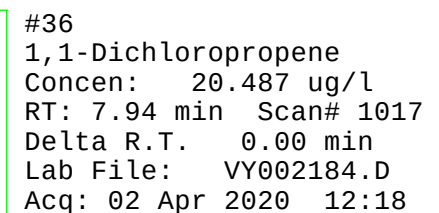
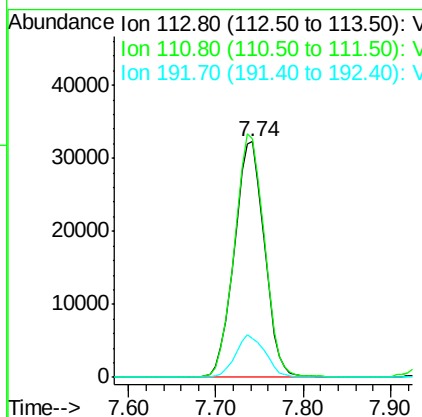


Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

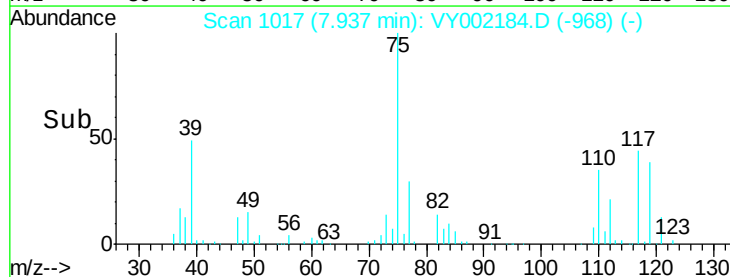
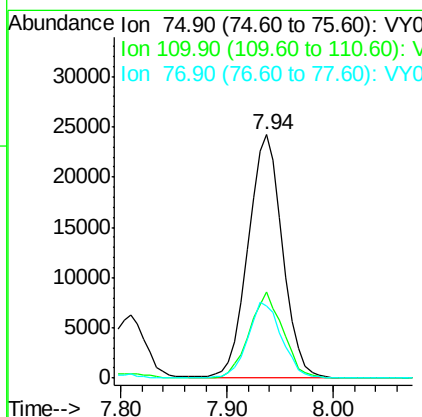
Manual Integrations
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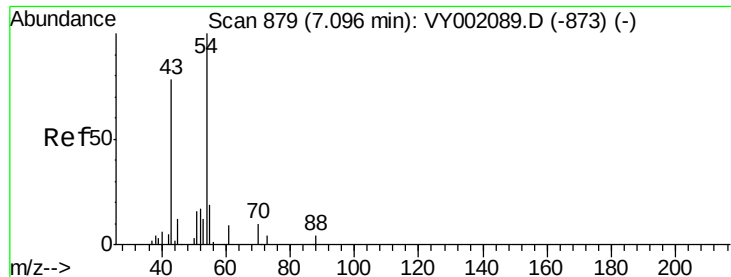
MMDadoda
4/6/2020 11:28:34 AM

Tqt	Ion:113	Resp:	77662
Ion	Ratio	Lower	Upper
113	100		
111	102.7	84.4	126.6
192	17.8	14.6	21.8



Tgt	Ion: 75	Resp:	55051
Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.2	51.6
77	30.9	24.7	37.1





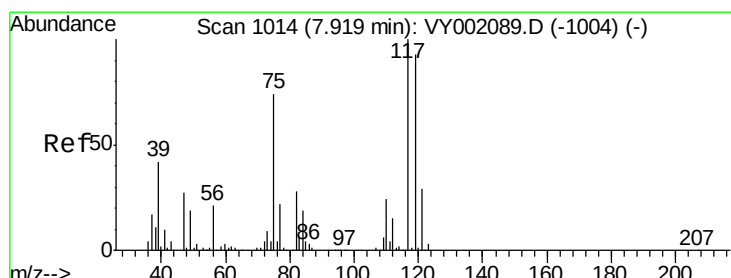
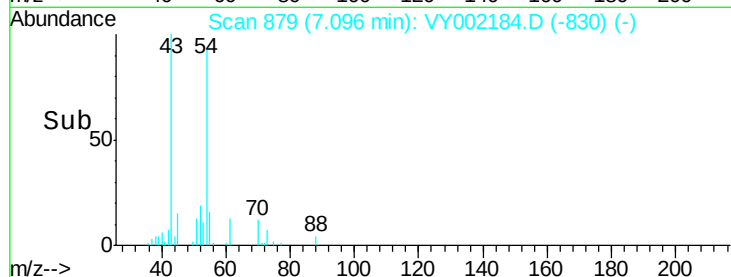
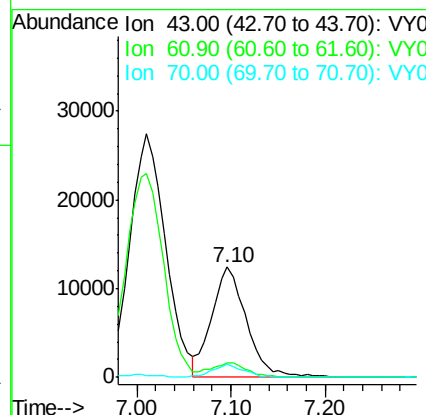
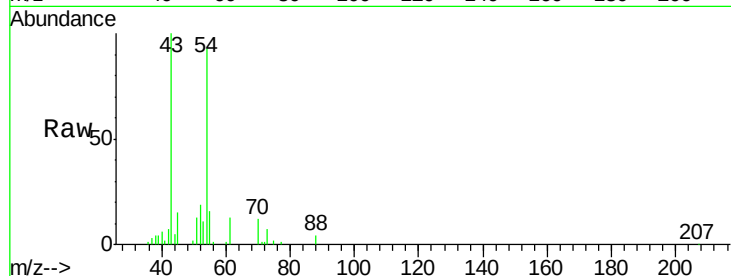
#37
Ethyl Acetate
Concen: 19.776 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.2	16.8
70	10.3	8.2	12.4

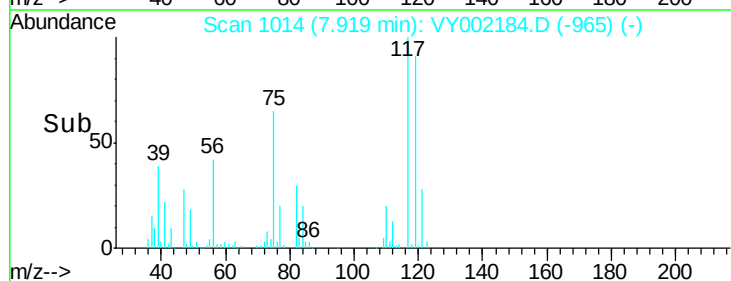
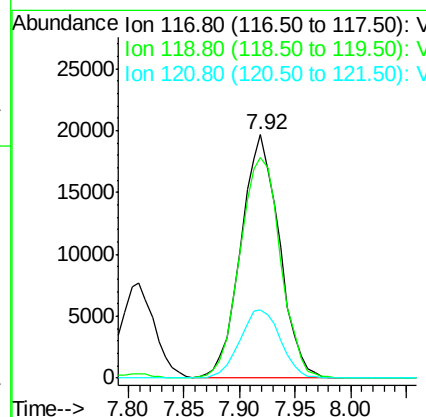
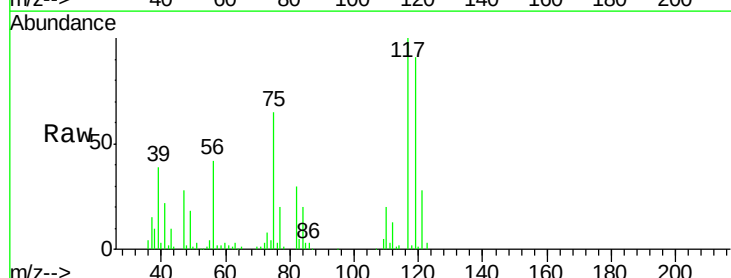
Manual Integrations
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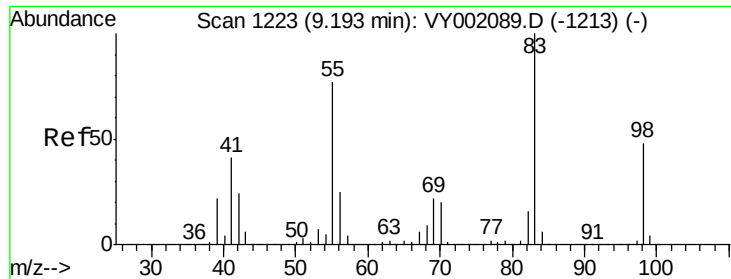
MMDadoda
4/6/2020 11:28:34 AM



#38
Carbon Tetrachloride
Concen: 20.713 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	74.3	111.5
121	27.9	23.3	34.9





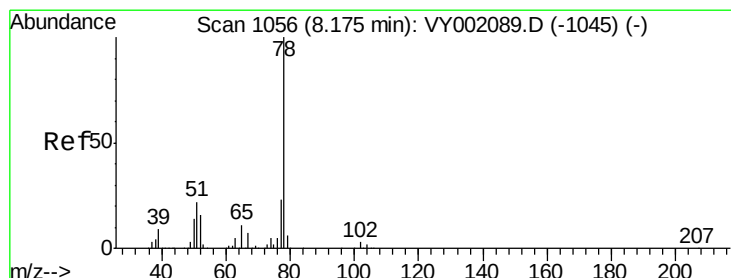
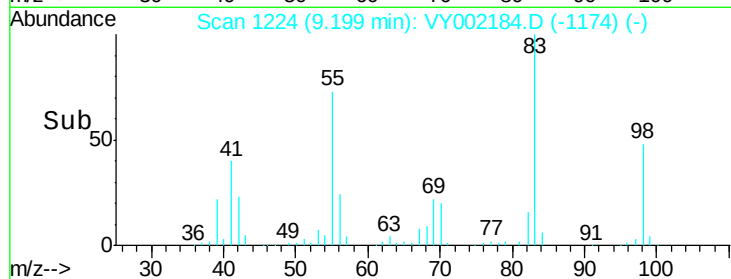
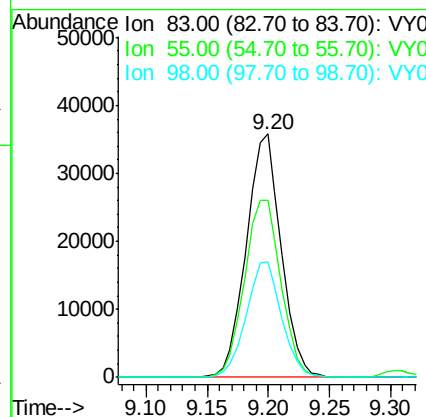
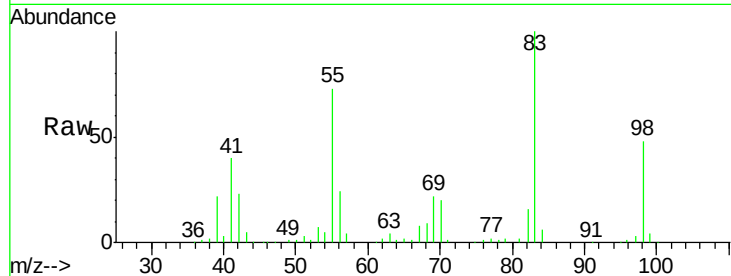
#39
Methylvlcyclohexane
Concen: 20.097 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	61.2	91.8
98	47.5	38.2	57.2

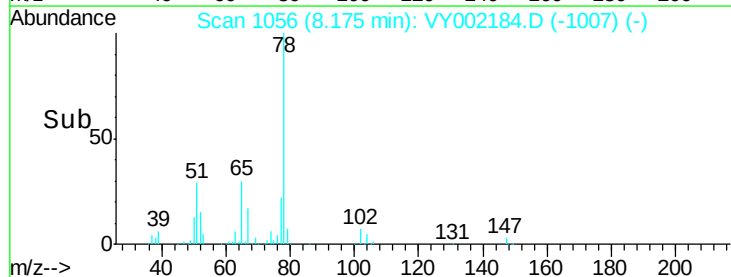
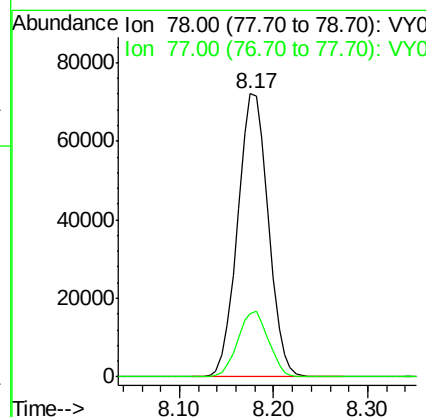
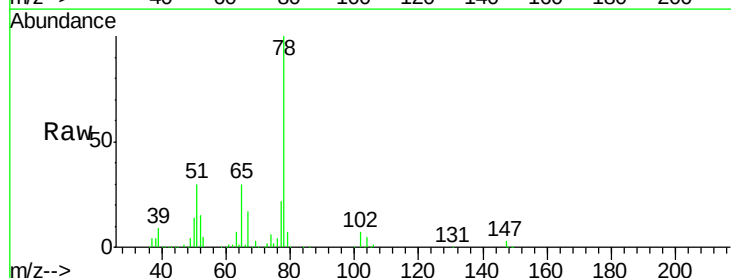
Manual Integrations
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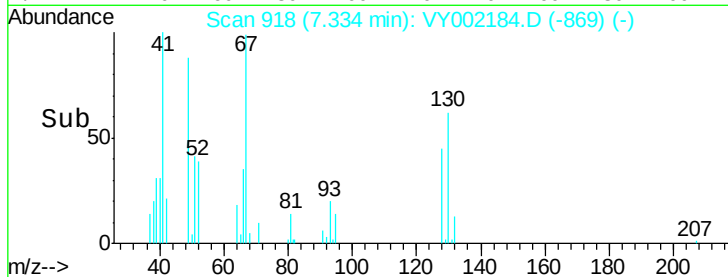
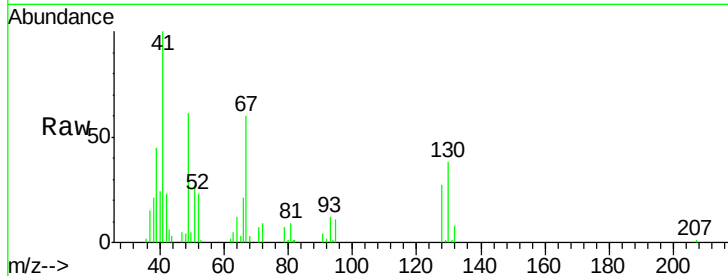
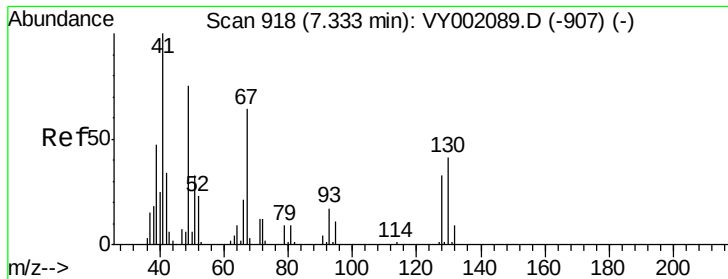
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4/6/2020 11:28:34 AM



#40
Benzene
Concen: 20.419 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.2	27.4





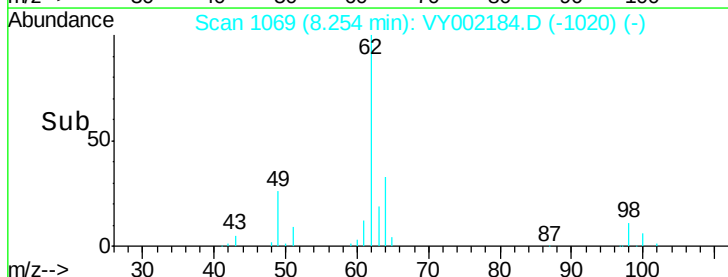
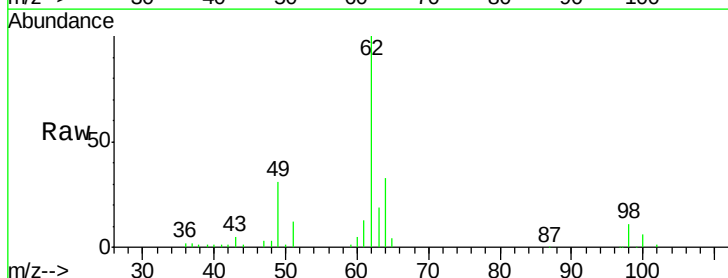
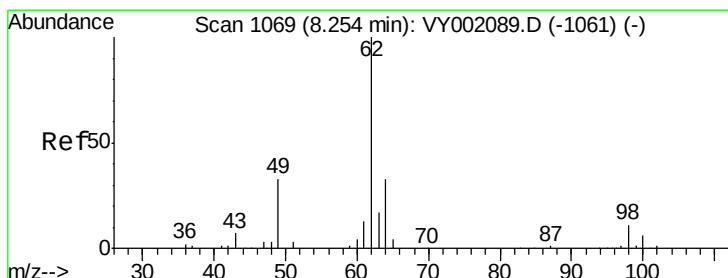
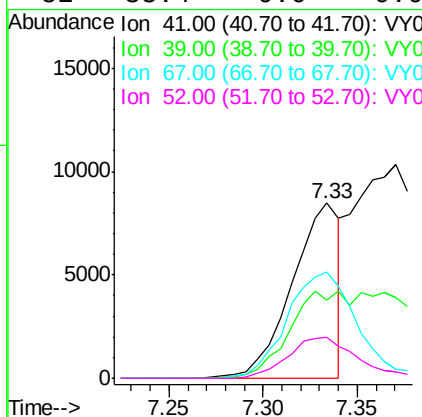
#41
Methacrylonitrile
Concen: 18.246 ug/l
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		14987		
39	61.0	0.0	0.0#		
67	87.0	0.0	0.0#		
52	33.4	0.0	0.0#		

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

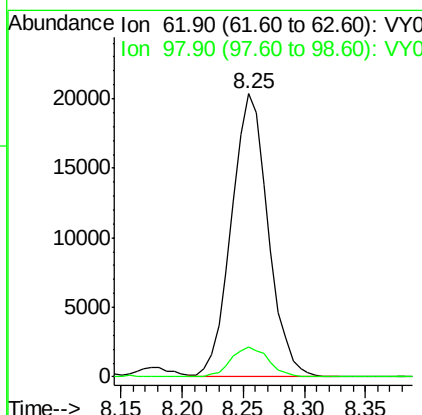
Manual Integrations
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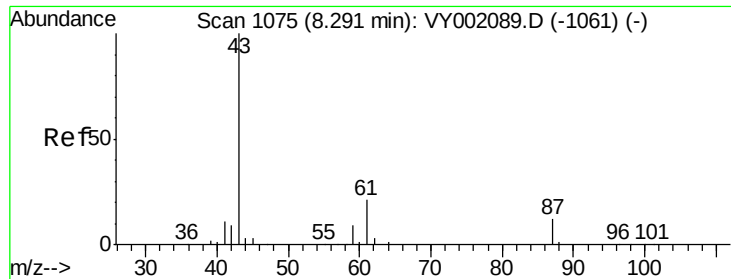
MMDadoda
4/6/2020 11:28:34 AM



#42
1,2-Dichloroethane
Concen: 19.966 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		42192		
98	10.8	0.0	21.2		





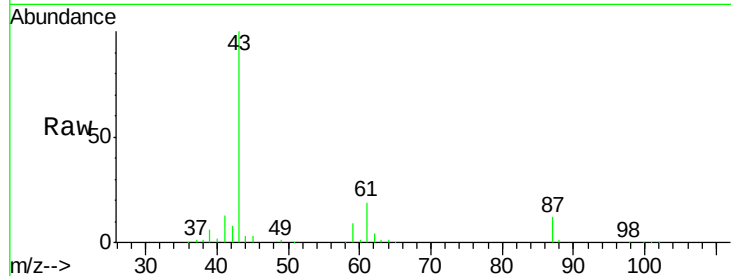
#43
Isopropyl Acetate
Concen: 19.522 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

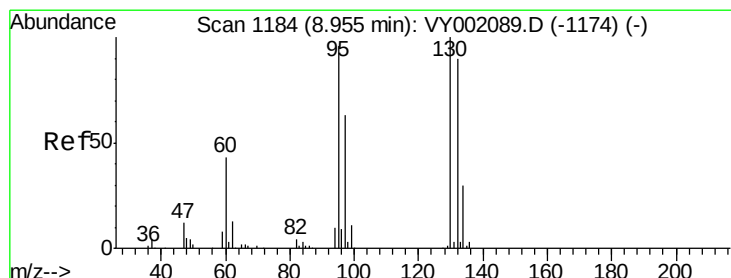
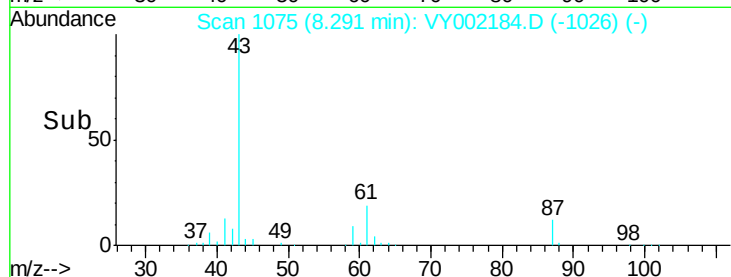
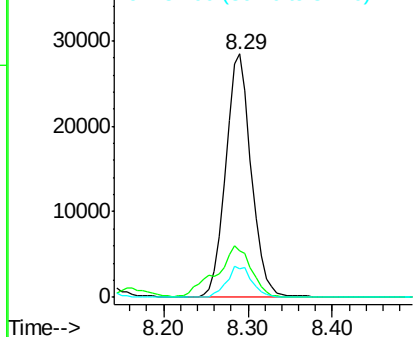
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.4	35.2
87	12.5	10.2	15.4

Manual Integrations
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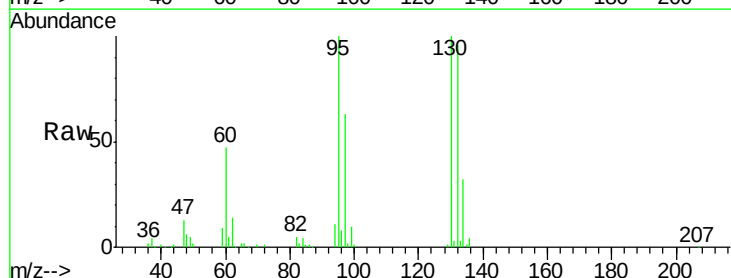


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

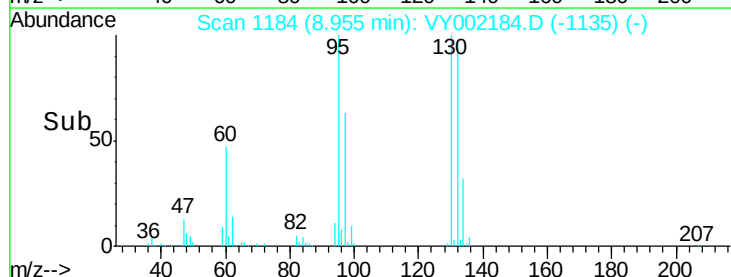
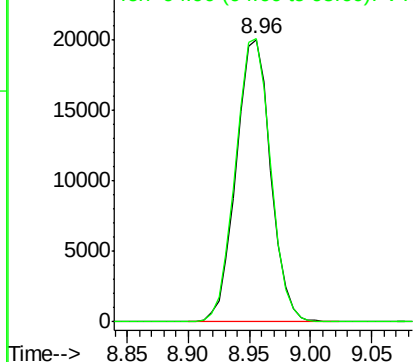


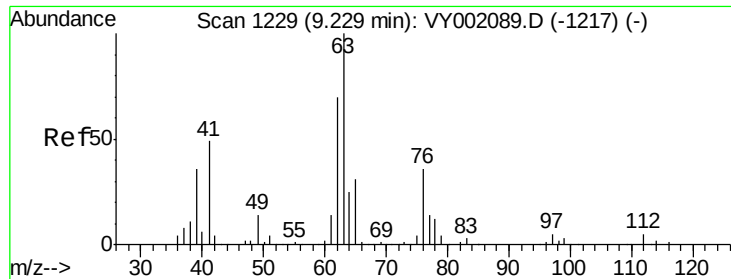
#44
Trichloroethene
Concen: 20.480 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





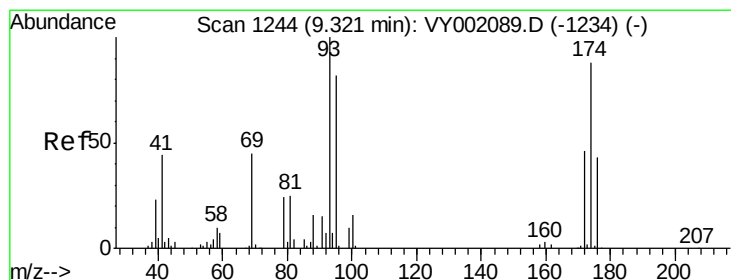
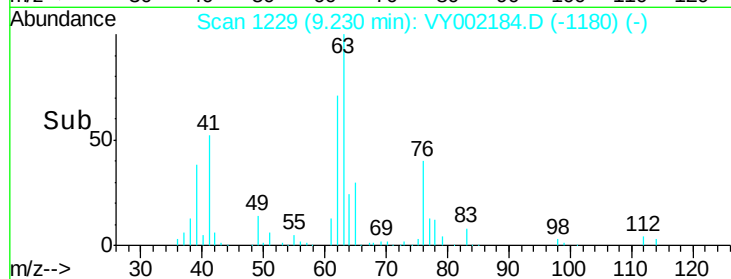
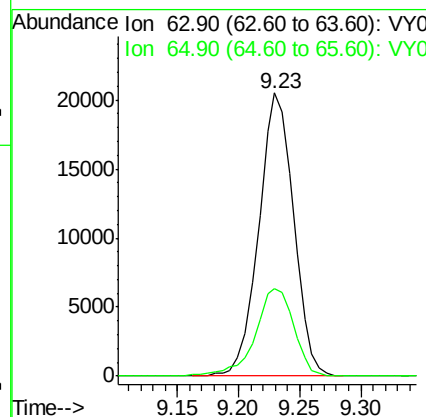
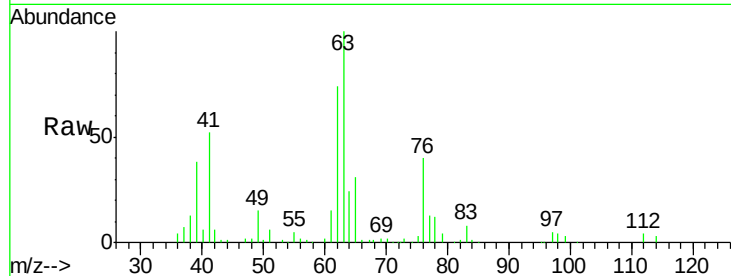
#45
 1,2-Dichloropropane
 Concen: 20.085 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion: 63 Resp: 40707
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

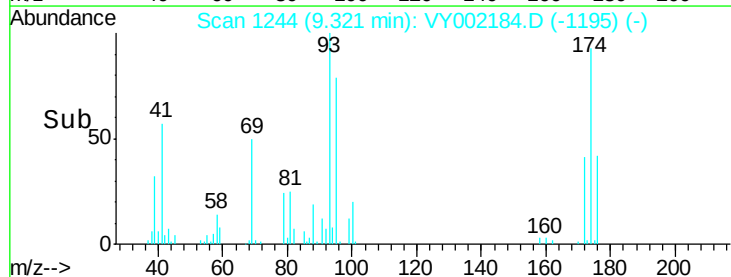
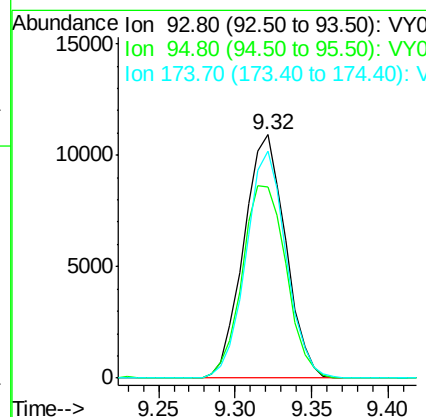
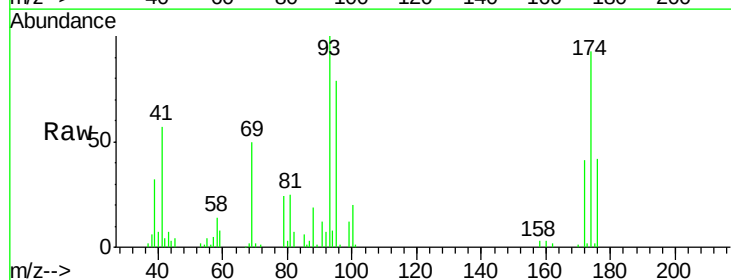
Manual Integrations
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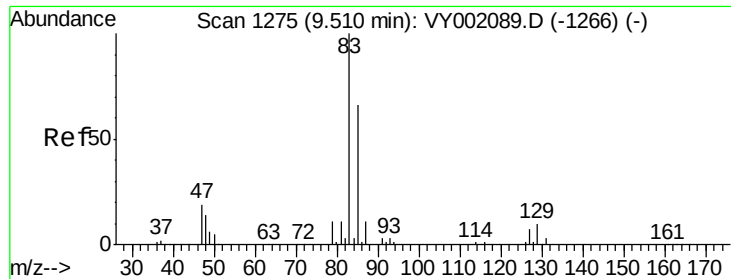
MMDadoda
 4/6/2020 11:28:34 AM



#46
 Dibromomethane
 Concen: 20.008 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion: 93 Resp: 20825
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.0 99.0
 174 89.1 69.8 104.8





#47

Bromodichloromethane

Concen: 20.596 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

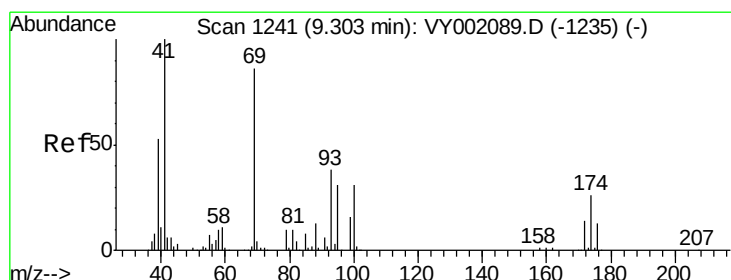
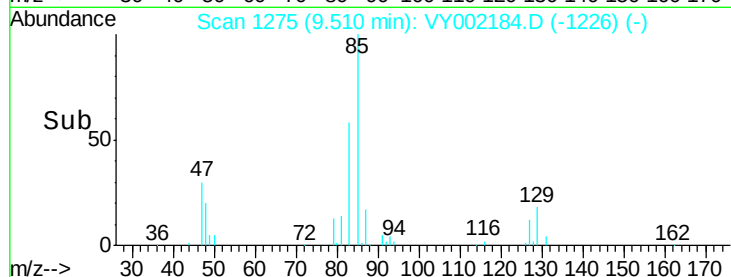
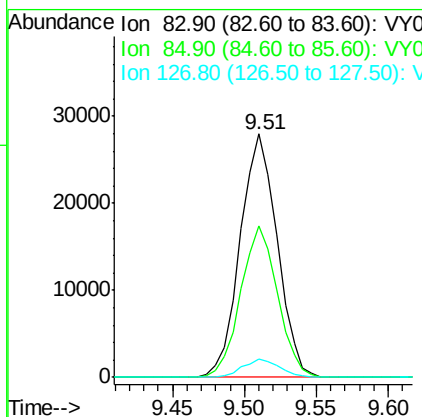
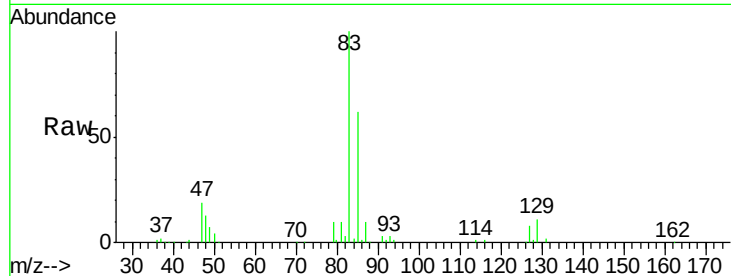
ClientSampleId :

VY0402SBS01

Tot Ion:	83	Resp:	49905
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.6	79.0
127	7.6	5.9	8.9

Manual Integrations
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MMDadoda
4/6/2020 11:28:34 AM



#48

Methyl methacrylate

Concen: 19.854 ug/l

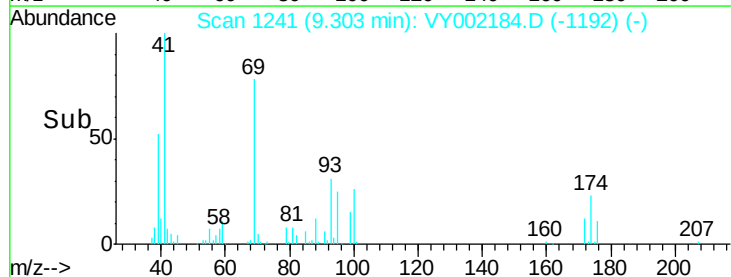
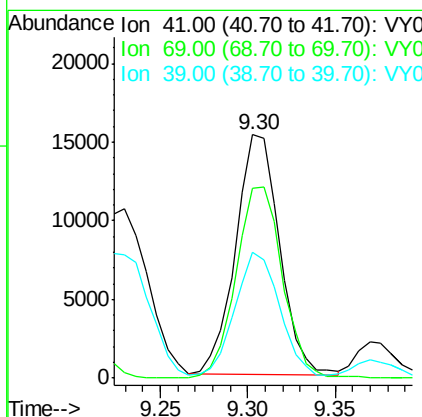
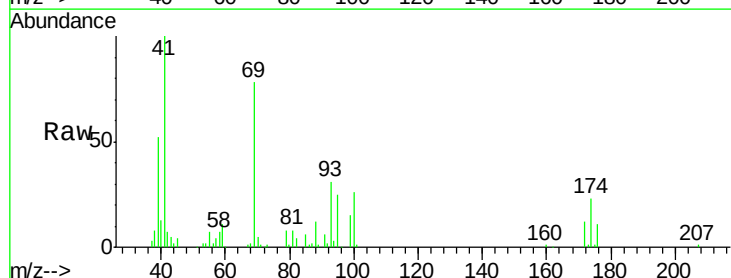
RT: 9.30 min Scan# 1241

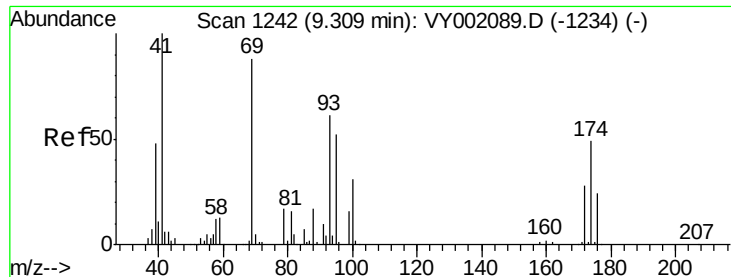
Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Tgt Ion:	41	Resp:	26816
Ion	Ratio	Lower	Upper
41	100		
69	83.6	71.4	107.0
39	51.8	41.0	61.4





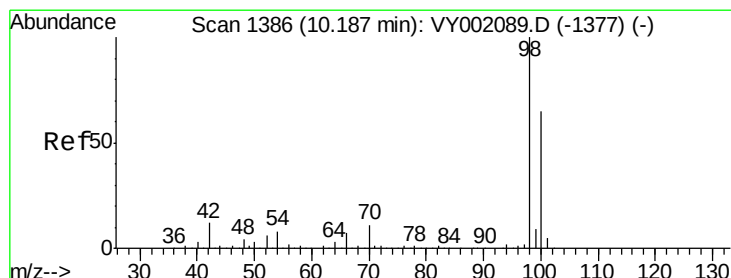
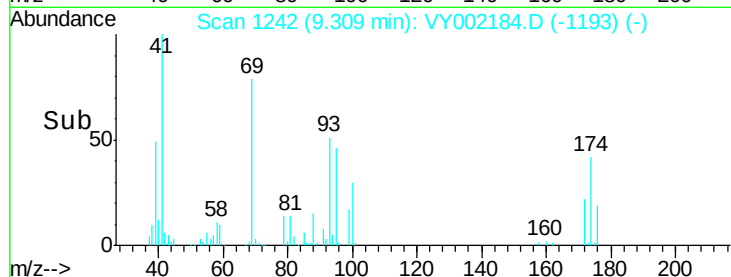
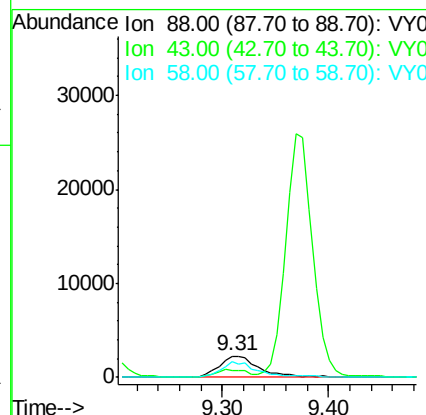
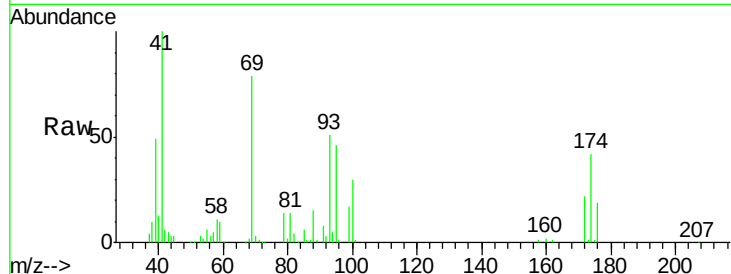
#49
1,4-Dioxane
Concen: 412.522 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	27.2	40.8
58	67.1	59.8	89.8

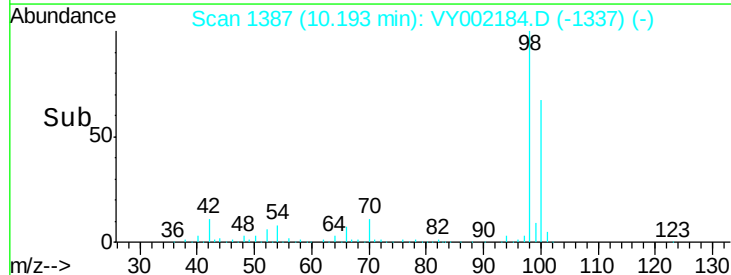
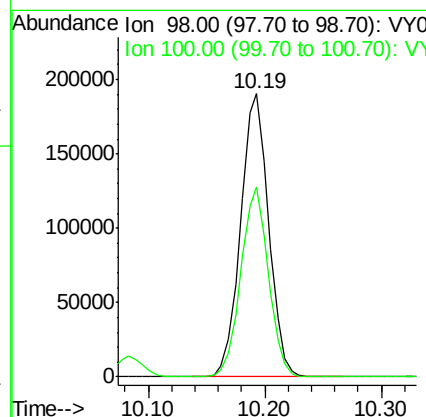
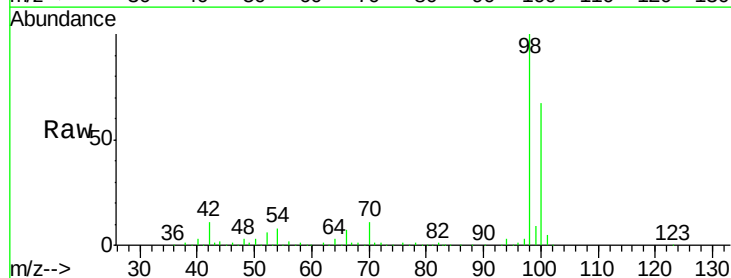
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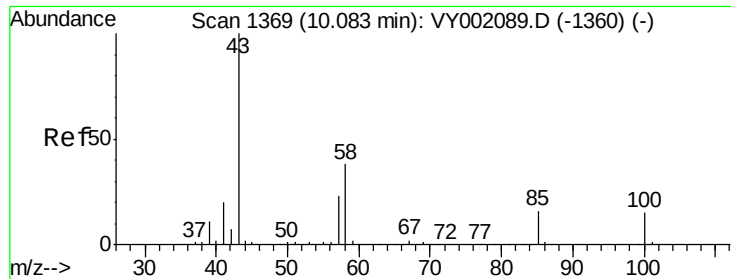
MMDadoda
4/6/2020 11:28:34 AM



#50
Toluene-d8
Concen: 48.197 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.6	77.4





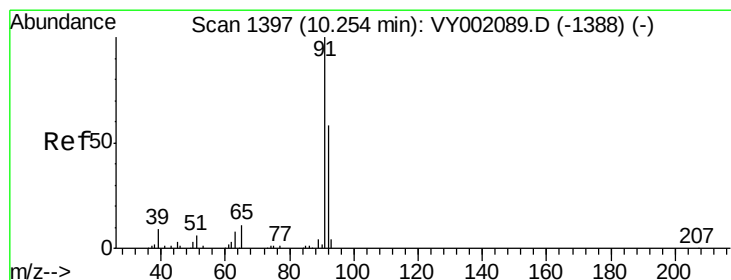
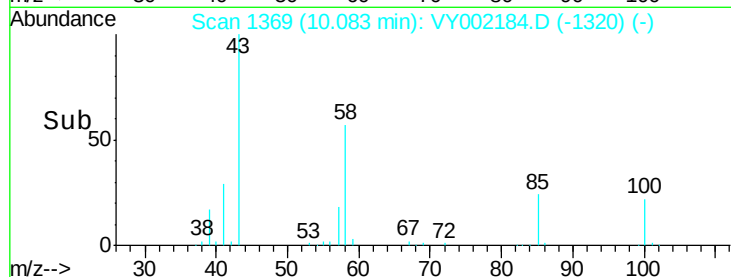
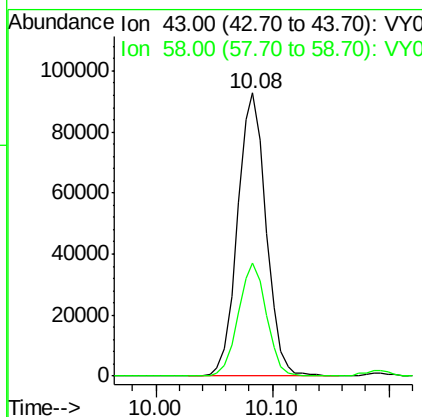
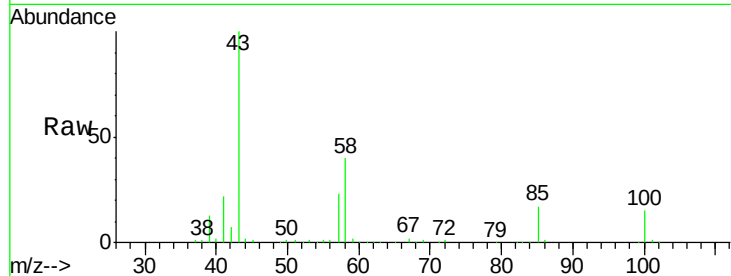
#51
4-Methyl-2-Pentanone
Concen: 102.166 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4

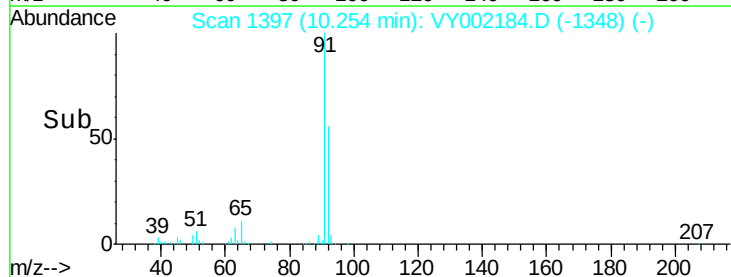
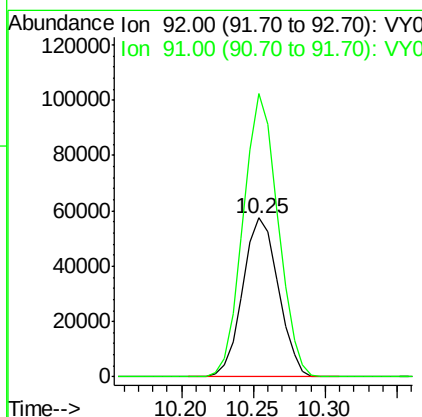
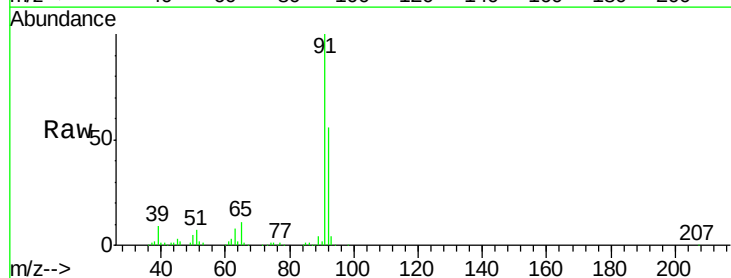
Manual Integrations
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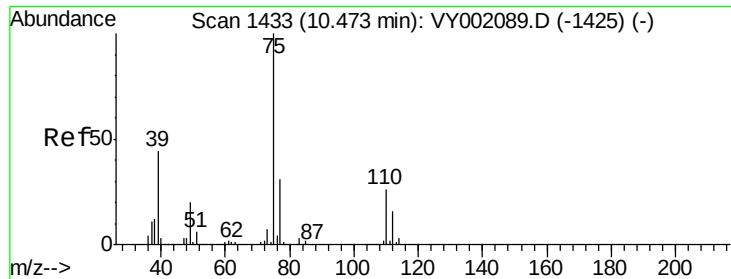
MMDadoda
4/6/2020 11:28:34 AM



#52
Toluene
Concen: 20.435 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.2	139.3	208.9





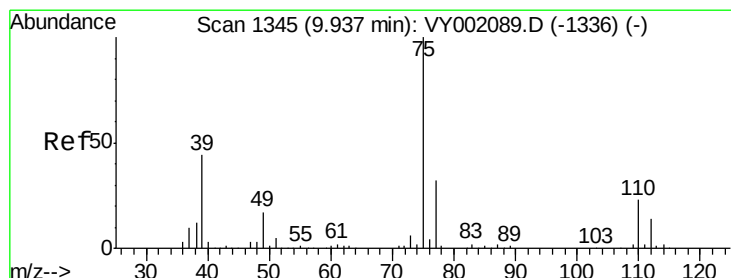
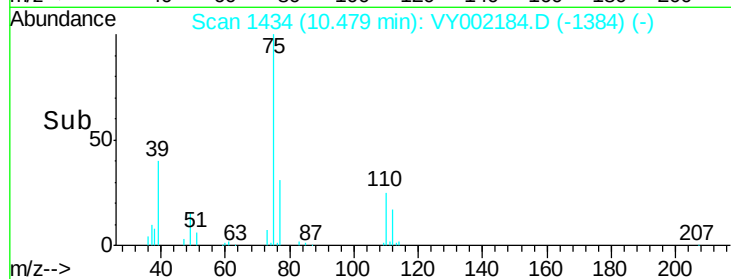
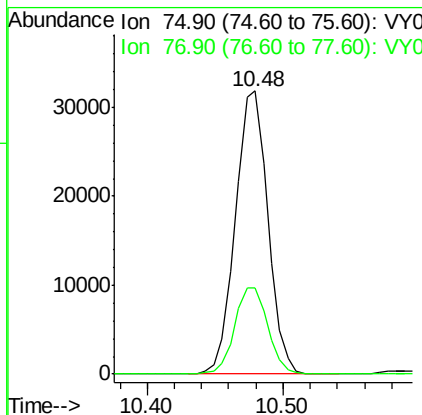
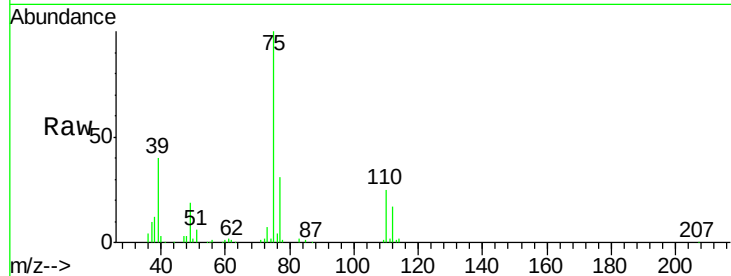
#53
 t-1,3-Dichloropropene
 Concen: 19.716 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion: 75 Resp: 53023
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.2 37.8

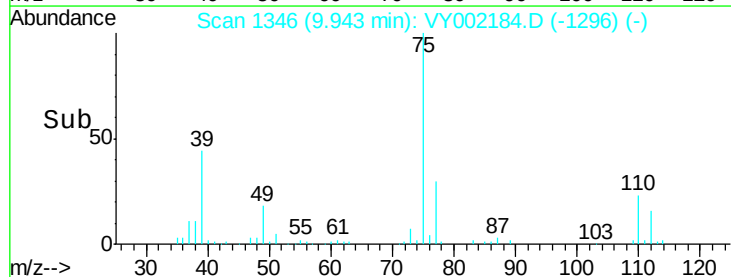
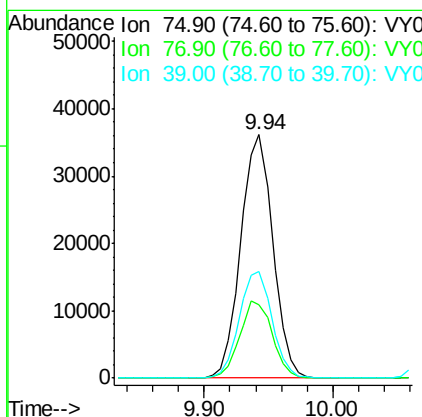
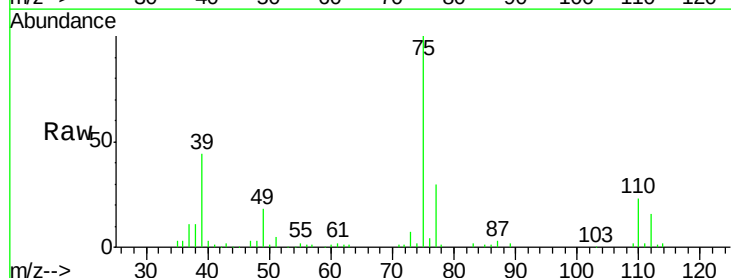
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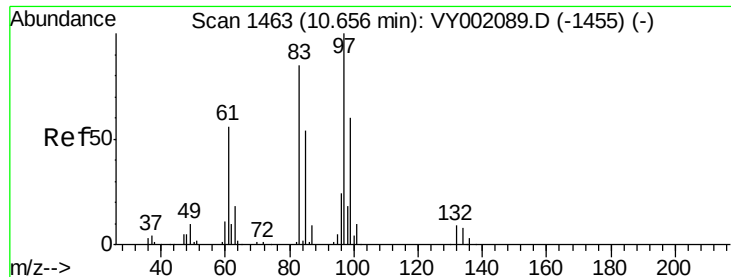
MMDadoda
 4/6/2020 11:28:34 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.649 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion: 75 Resp: 62218
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.6 38.4
 39 43.9 35.2 52.8





#55

1,1,2-Trichloroethane

Concen: 19.559 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

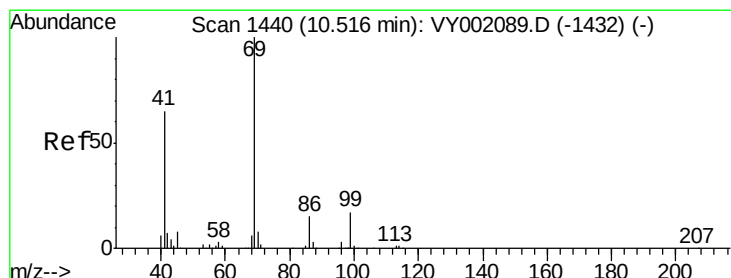
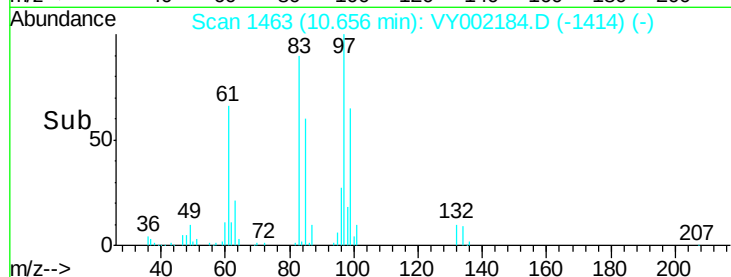
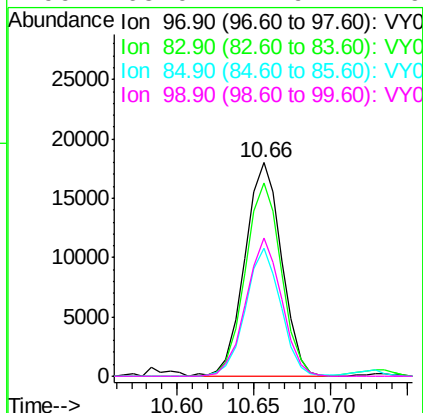
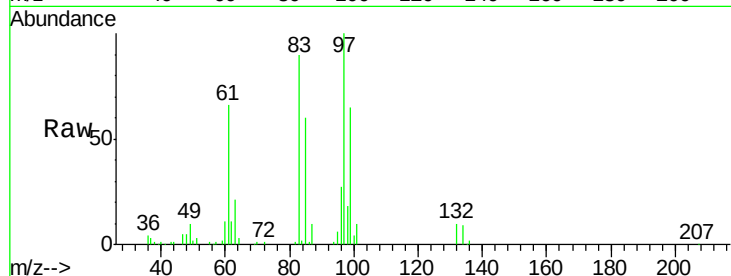
ClientSampleId :

VY0402SBS01

Tot Ion:	97	Resp:	30130
Ion	Ratio	Lower	Upper
97	100		
83	90.3	68.2	102.2
85	59.8	42.9	64.3
99	65.0	47.9	71.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.312 ug/l

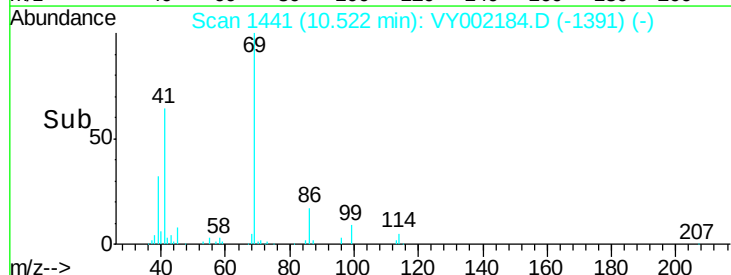
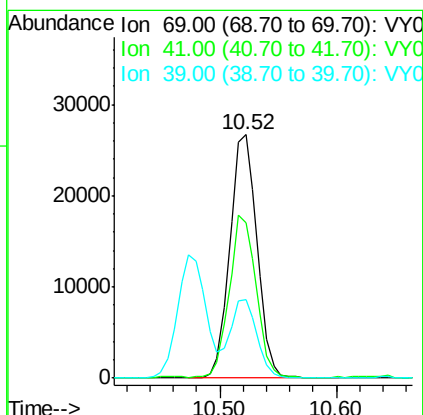
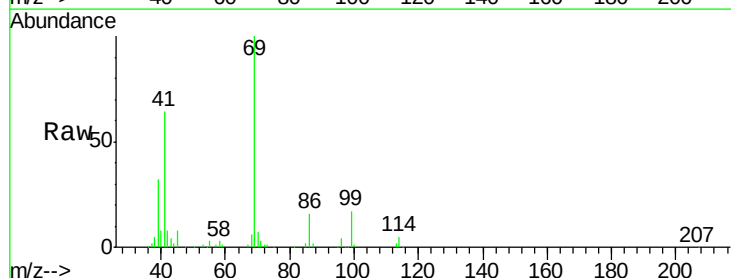
RT: 10.52 min Scan# 1441

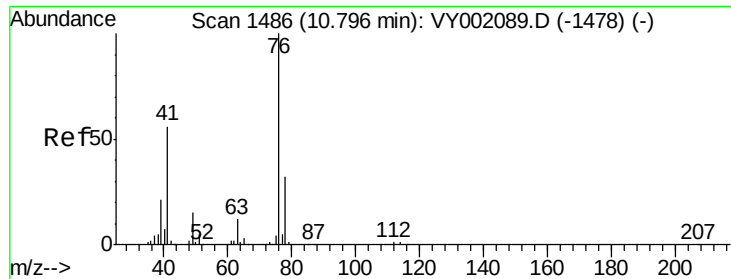
Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Tgt Ion:	69	Resp:	43451
Ion	Ratio	Lower	Upper
69	100		
41	66.5	52.8	79.2
39	32.5	25.0	37.6





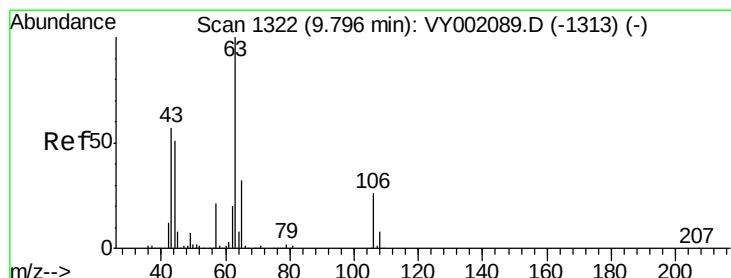
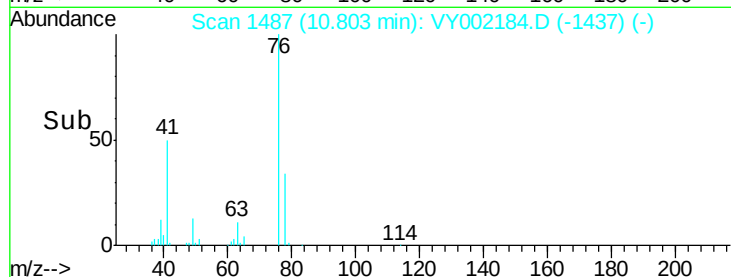
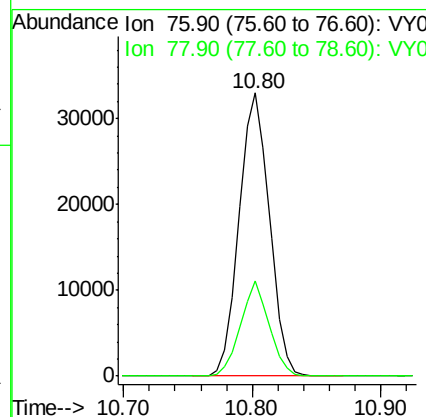
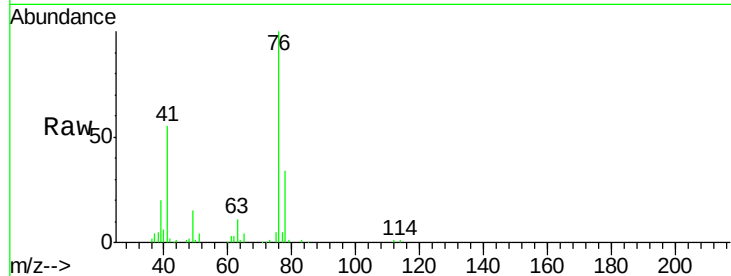
#57
 1,3-Dichloropropane
 Concen: 19.810 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.1	39.1

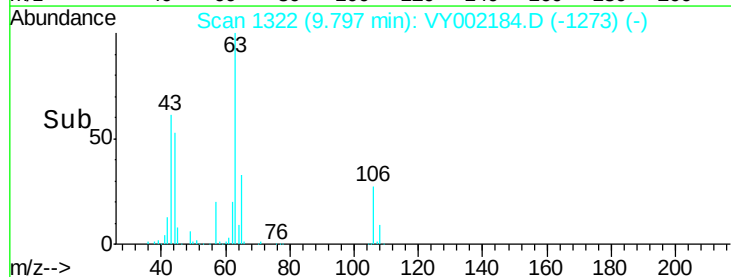
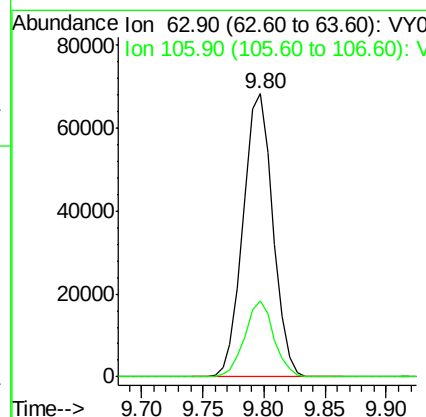
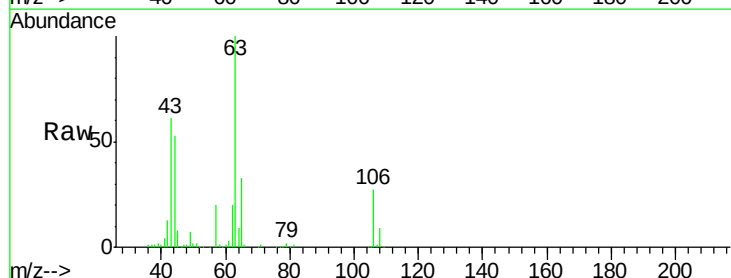
Manual Integrations
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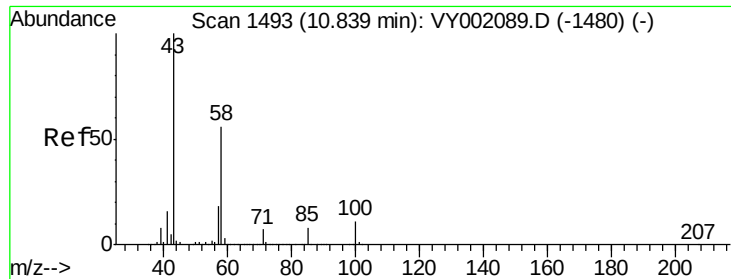
MMDadoda
 4/6/2020 11:28:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.773 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.0	31.4





#59

2-Hexanone

Concen: 96.281 ug/l

RT: 10.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 43 Resp: 105256

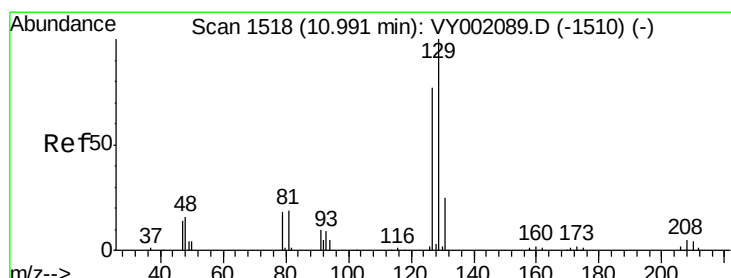
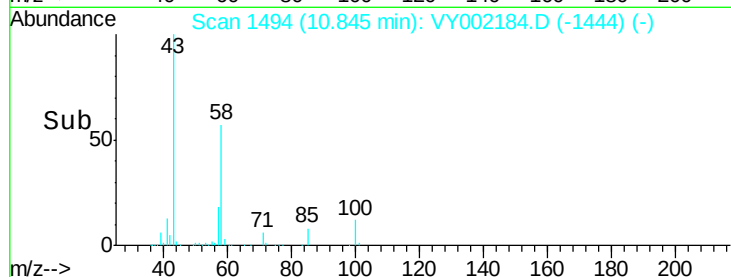
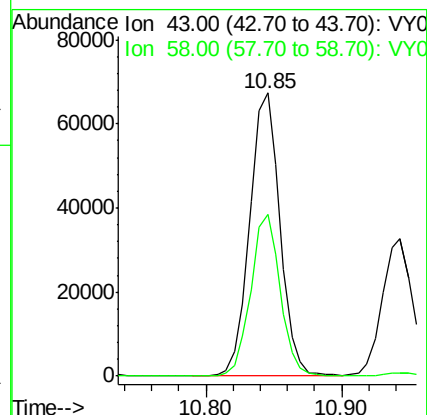
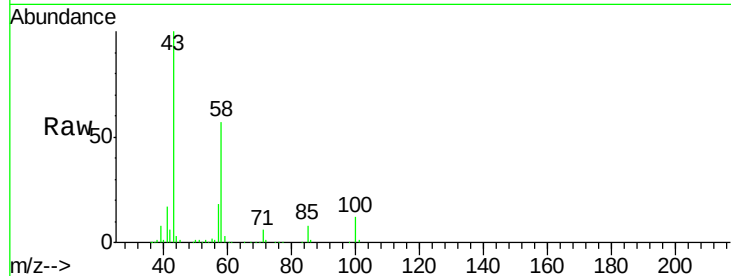
Ion Ratio Lower Upper

43 100

58 55.7 27.9 83.6

Manual Integrations
APPROVED

MMDadoda
4/6/2020 11:28:34 AM



#60

Dibromochloromethane

Concen: 20.240 ug/l

RT: 11.00 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VY002184.D

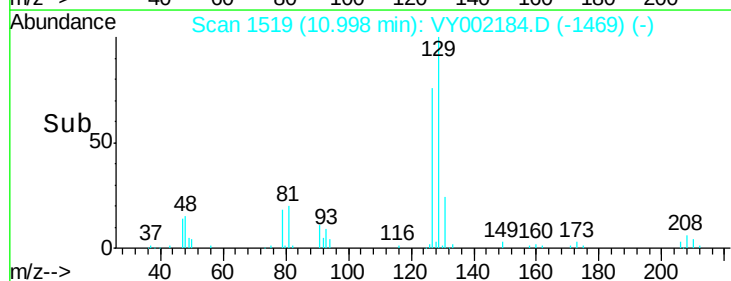
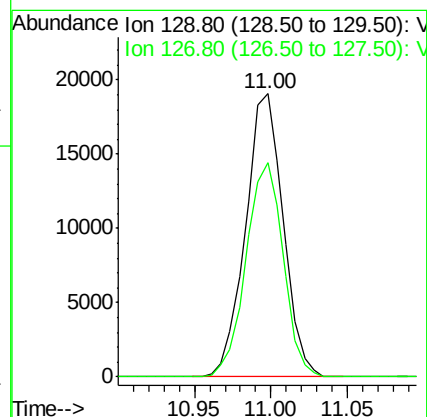
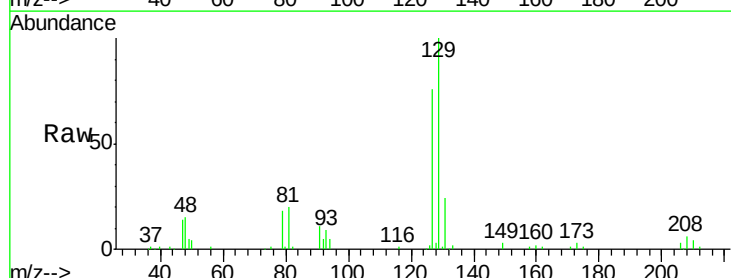
Acq: 02 Apr 2020 12:18

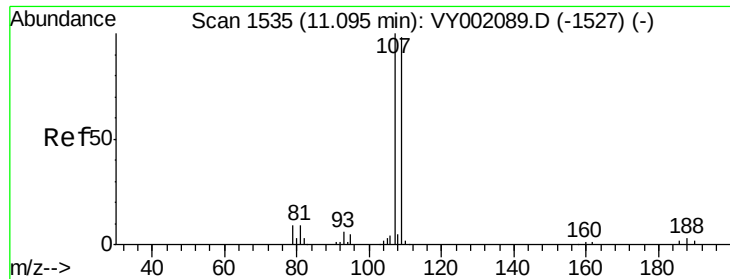
Tgt Ion: 129 Resp: 32626

Ion Ratio Lower Upper

129 100

127 74.4 38.7 116.1





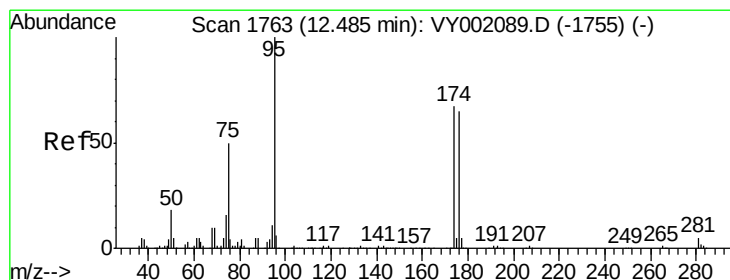
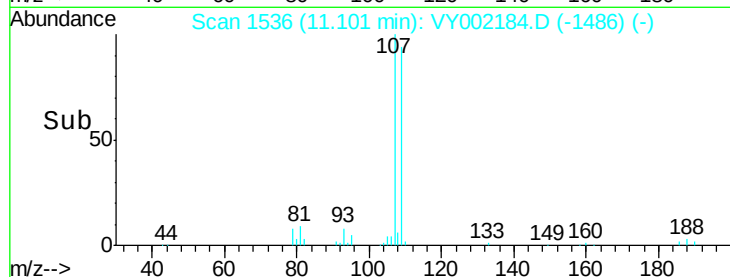
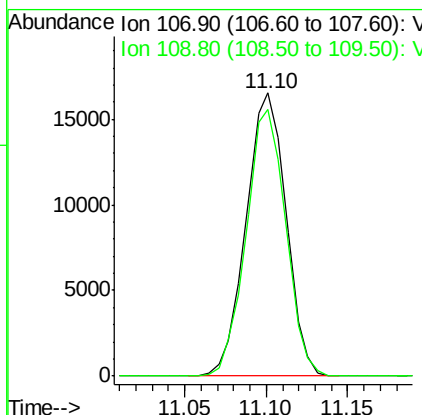
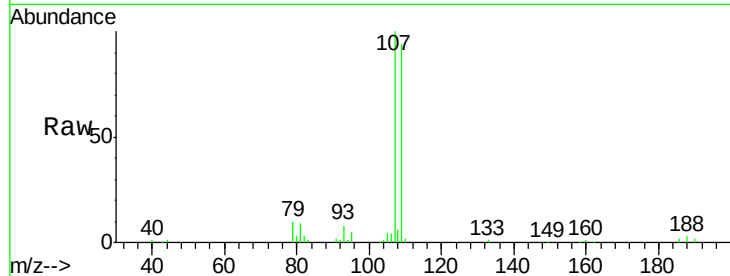
#61
 1,2-Dibromoethane
 Concen: 19.653 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.3	114.5

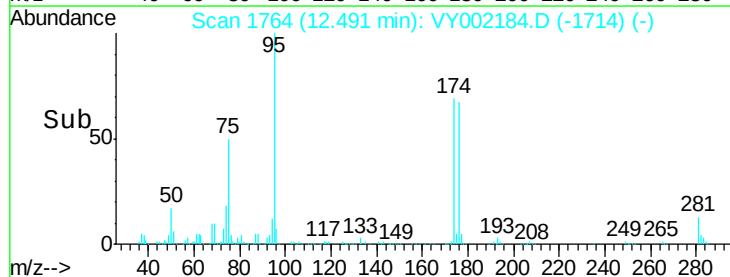
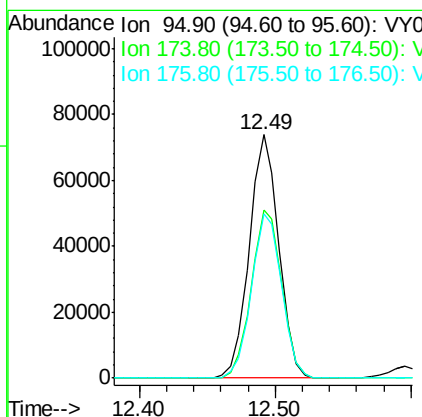
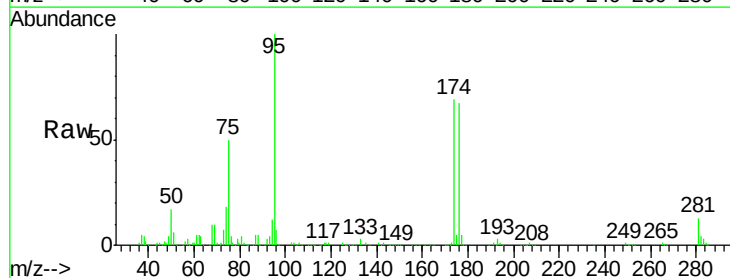
Manual Integrations
 APPROVED

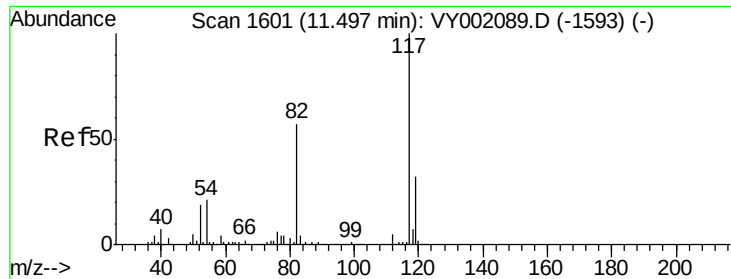
MMDadoda
 4/6/2020 11:28:34 AM



#62
 4-Bromofluorobenzene
 Concen: 48.448 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	143.4
176	69.2	0.0	137.0





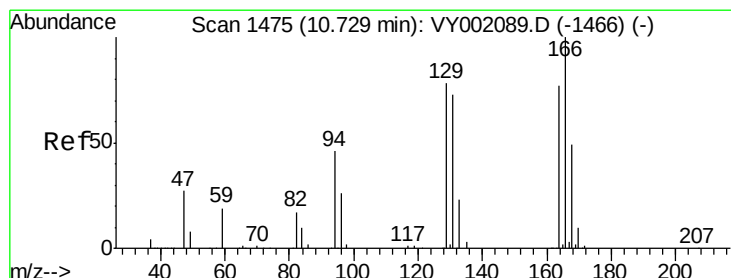
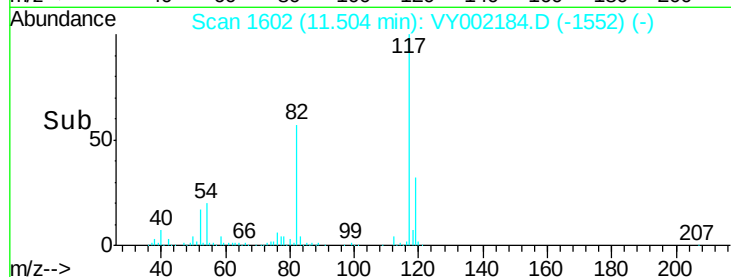
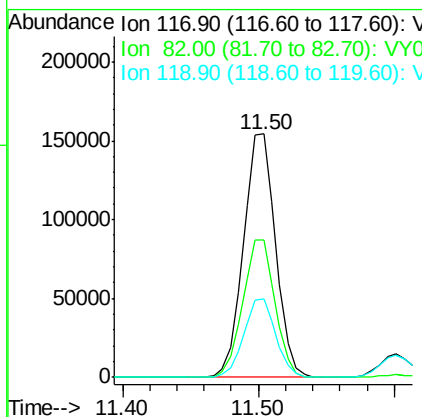
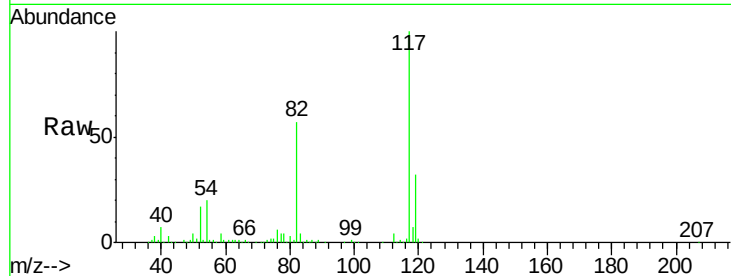
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254663		
82	56.6		45.4	68.2
119	32.5		25.3	37.9

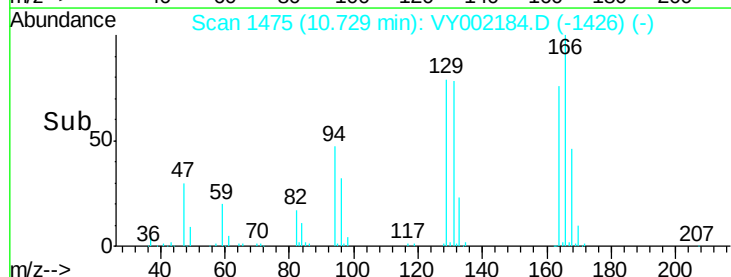
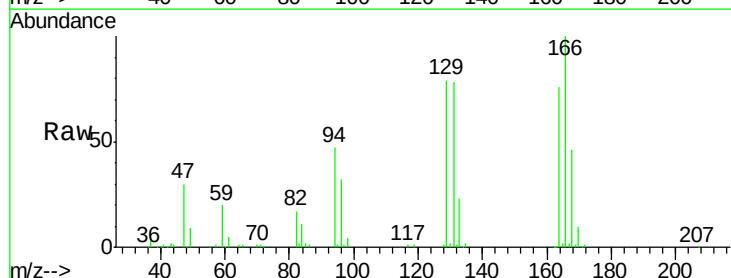
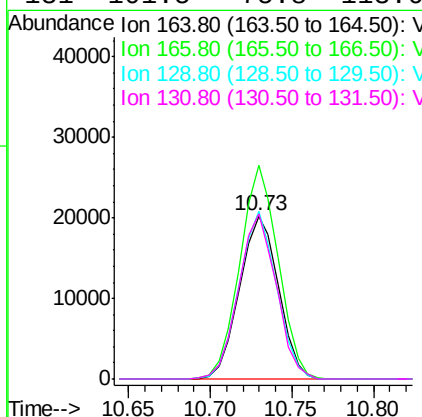
Manual Integrations
APPROVED

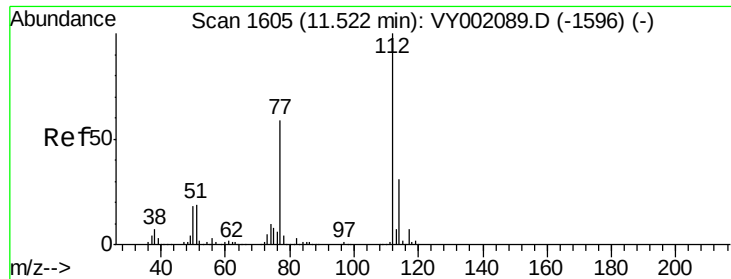
MMDadoda
4/6/2020 11:28:34 AM



#64
Tetrachloroethene
Concen: 21.612 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33674		
166	130.9		104.0	156.0
129	103.2		81.2	121.8
131	101.5		75.8	113.6





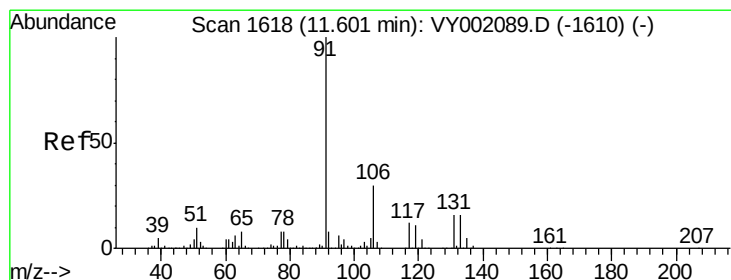
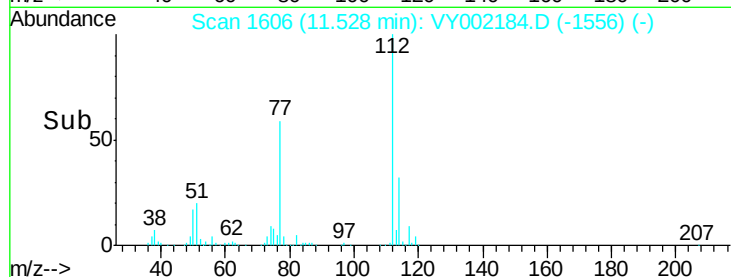
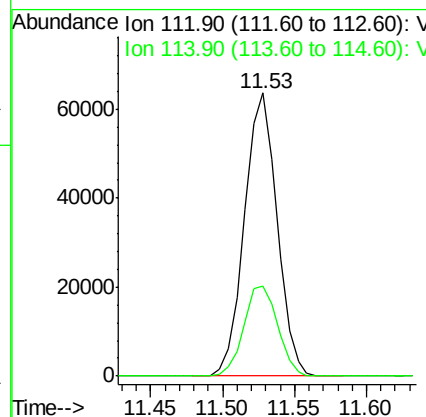
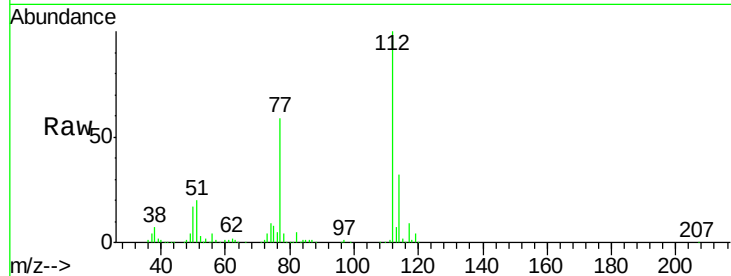
#65
Chlorobenzene
Concen: 20.284 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.9	37.3

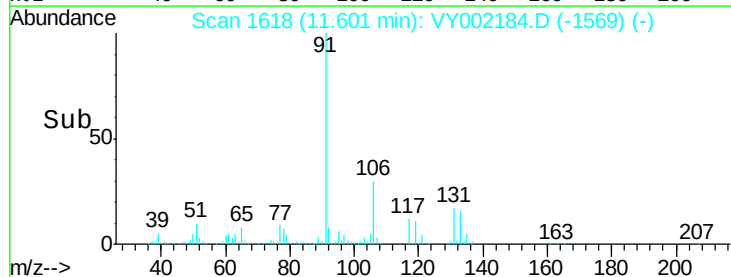
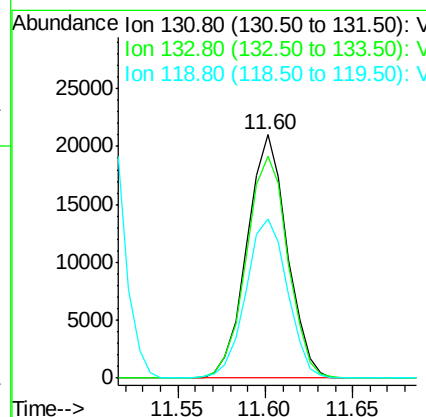
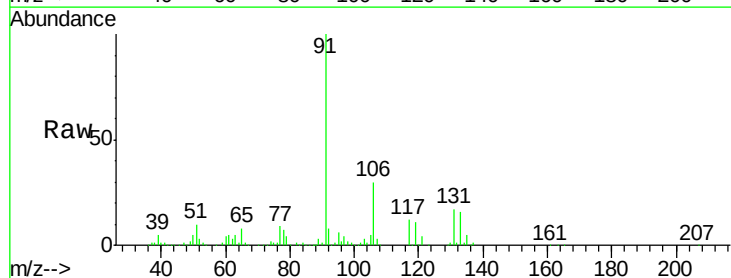
Manual Integrations
APPROVED

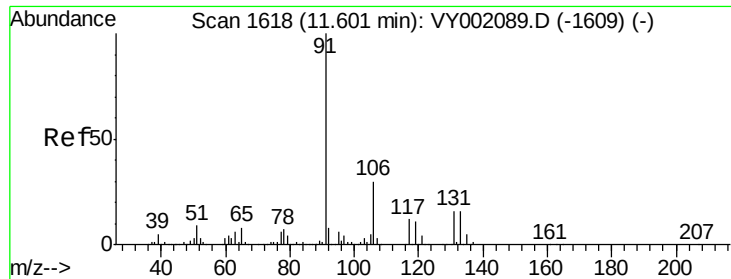
MMDadoda
4/6/2020 11:28:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.435 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.5	142.5
119	67.4	34.6	103.9





#67

Ethyl Benzene

Concen: 20.375 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 91 Resp: 186027

Ion Ratio Lower Upper

91 100

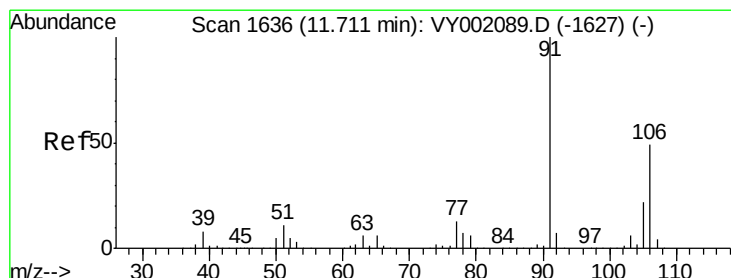
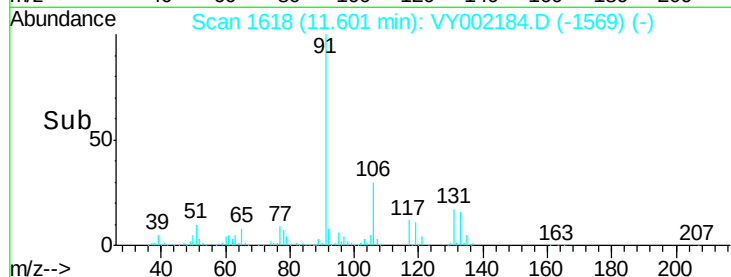
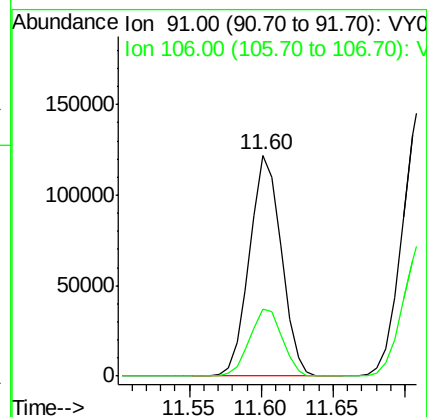
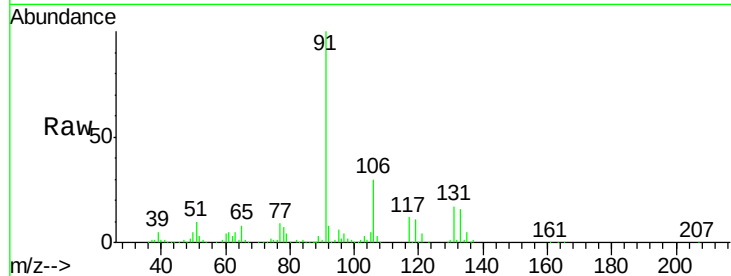
106 30.3 24.1 36.1

Manual Integrations

APPROVED

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4/6/2020 11:28:34 AM



#68

m/p-Xylenes

Concen: 41.545 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY002184.D

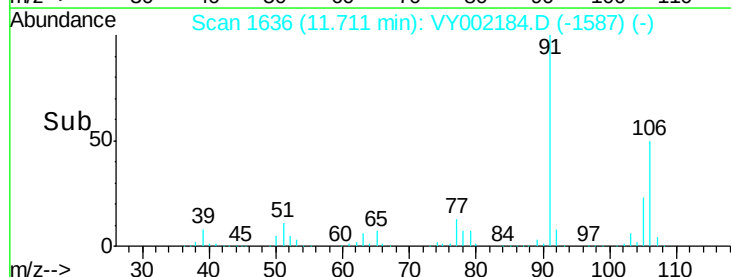
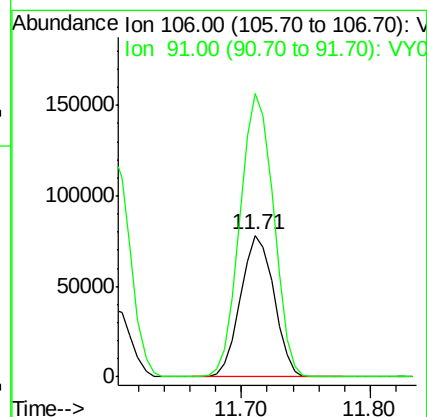
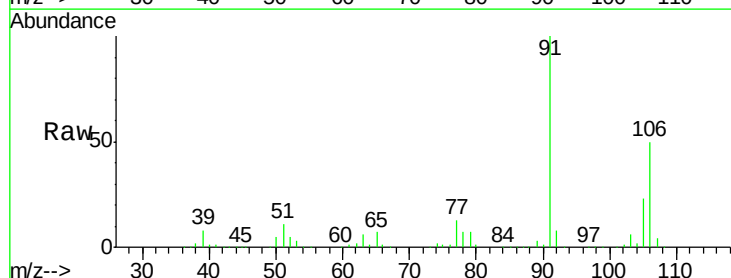
Acq: 02 Apr 2020 12:18

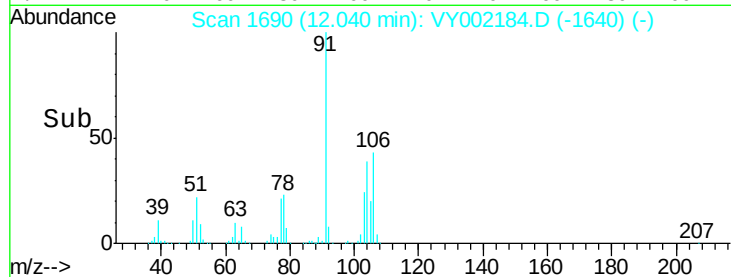
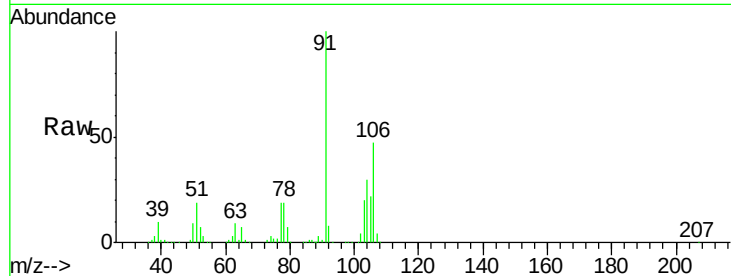
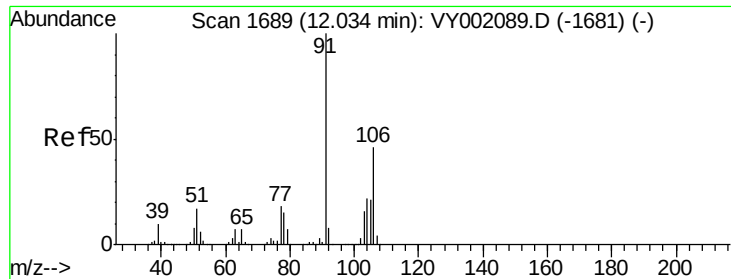
Tgt Ion: 106 Resp: 140243

Ion Ratio Lower Upper

106 100

91 202.1 162.8 244.2





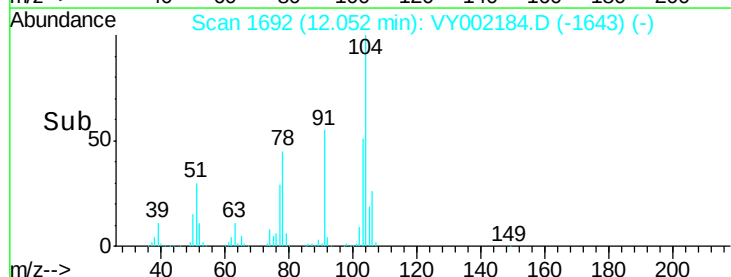
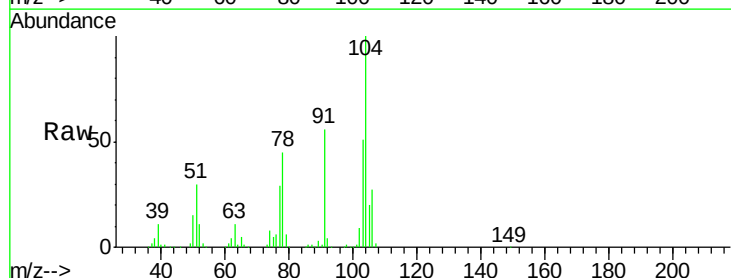
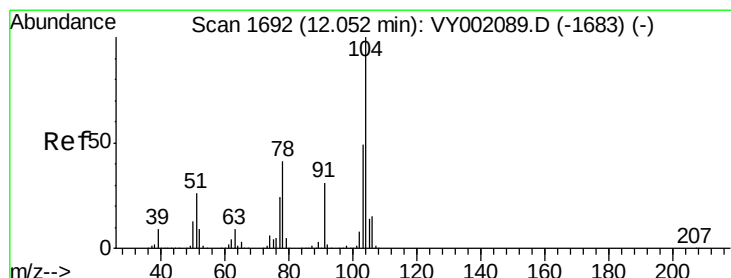
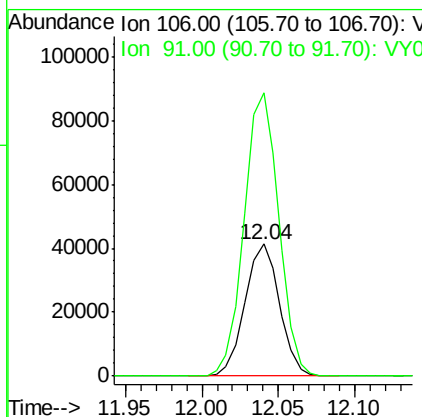
#69
o-Xylene
Concen: 20.295 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tot Ion:106 Resp: 64988
Ion Ratio Lower Upper
106 100
91 214.9 107.3 321.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

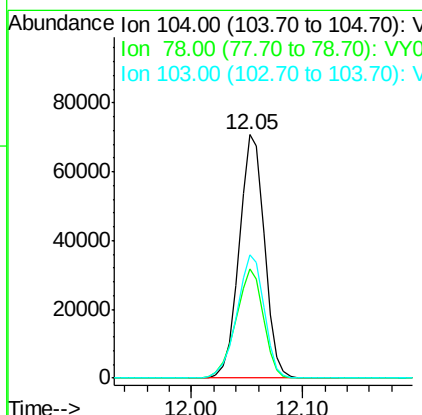
Manual Integrations
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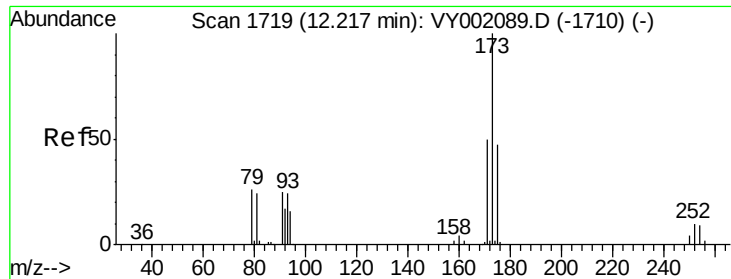
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#70
Styrene
Concen: 19.987 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion:104 Resp: 110906
Ion Ratio Lower Upper
104 100
78 48.7 37.9 56.9
103 54.6 43.2 64.8





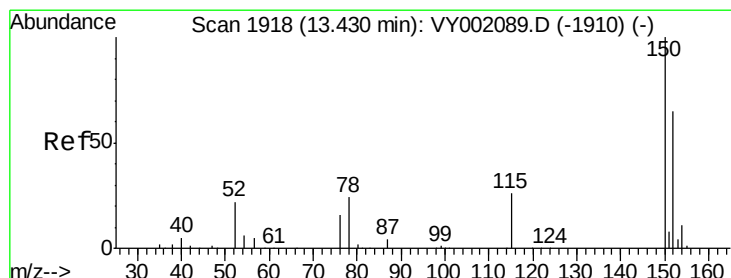
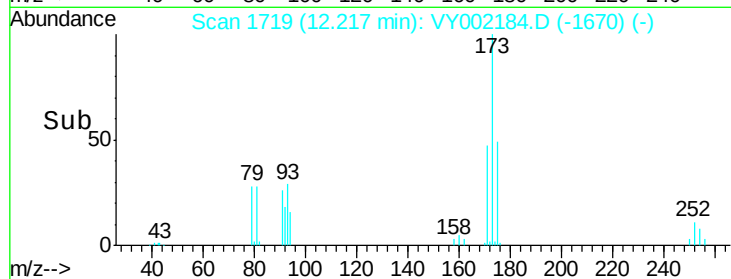
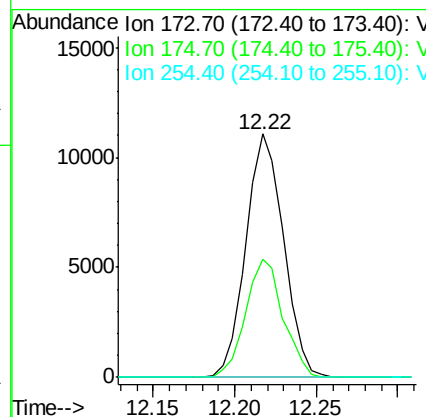
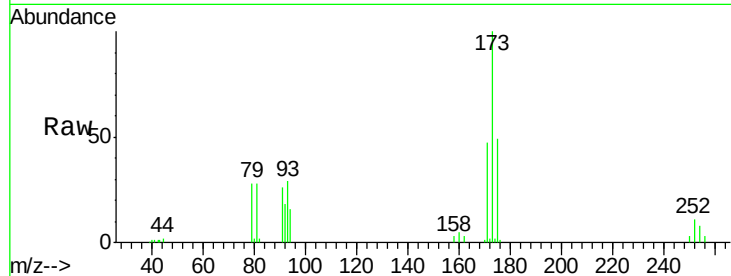
#71
Bromoform
Concen: 19.790 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampled :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.9	71.8
254	0.0	0.0	0.0

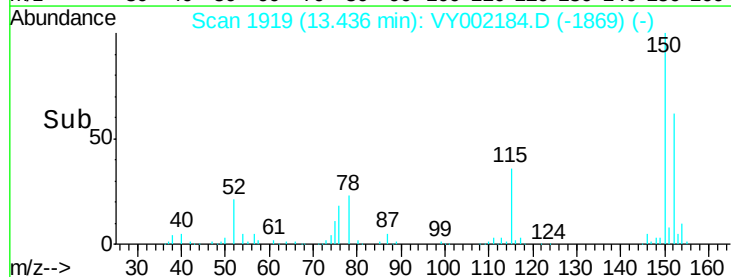
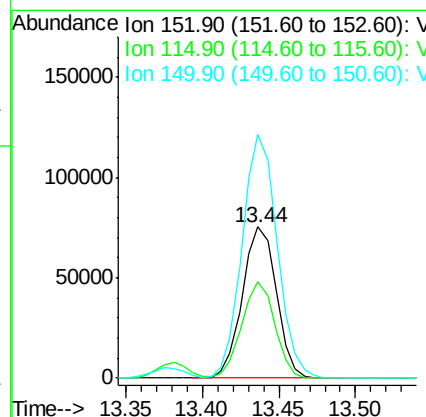
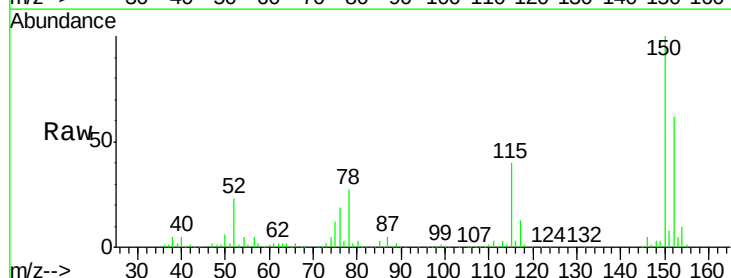
Manual Integrations
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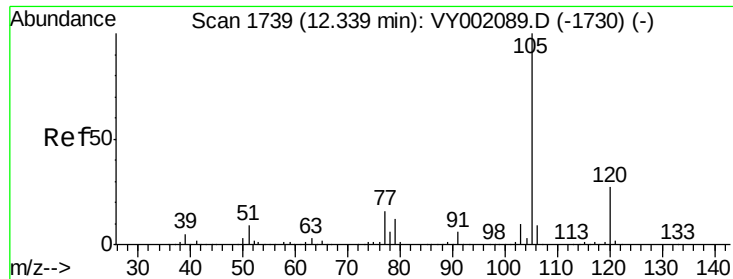
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.2	93.6
150	166.2	0.0	354.8





#73

Isopropylbenzene

Concen: 20.563 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 105 Resp: 177519

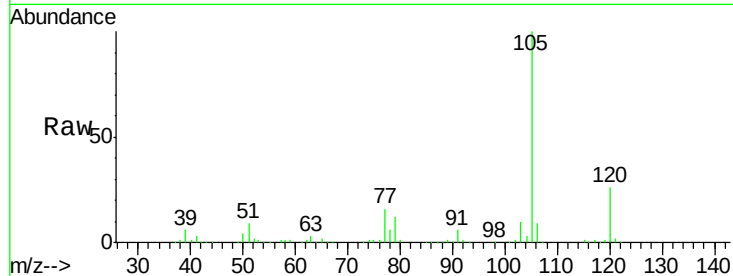
Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8

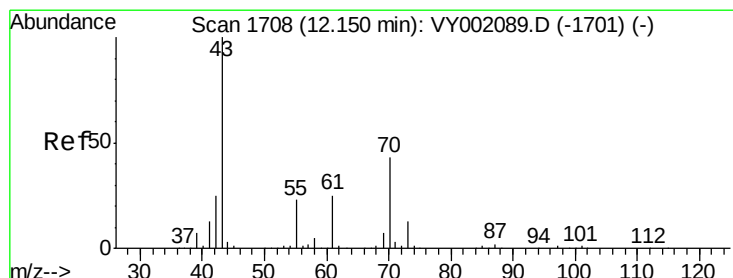
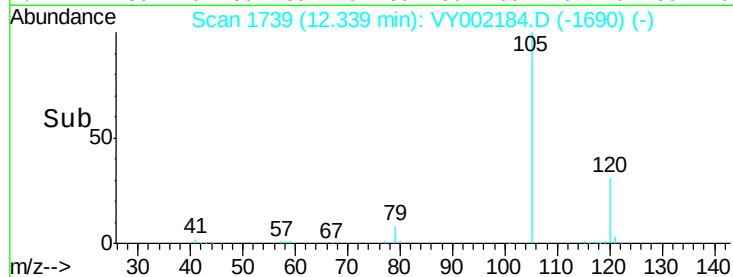
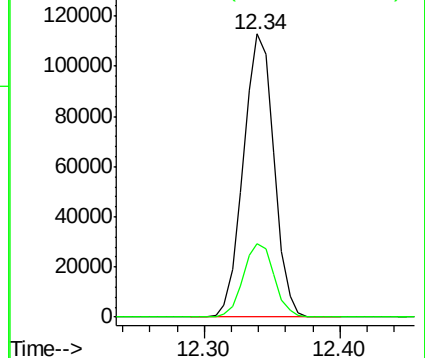
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.647 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Tgt Ion: 43 Resp: 53495

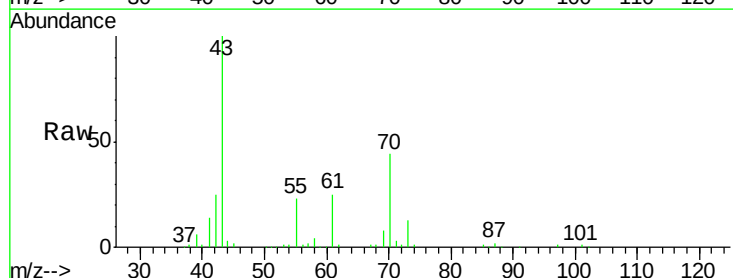
Ion Ratio Lower Upper

43 100

70 41.9 35.0 52.4

55 22.8 18.7 28.1

61 24.8 20.2 30.2

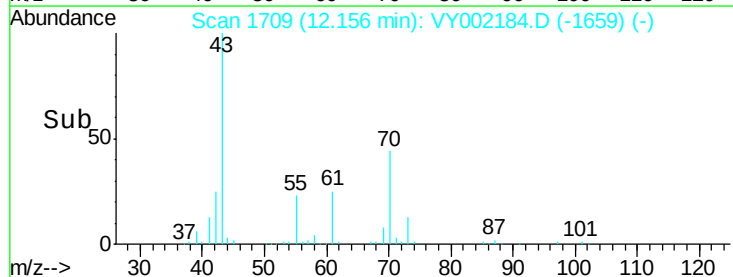
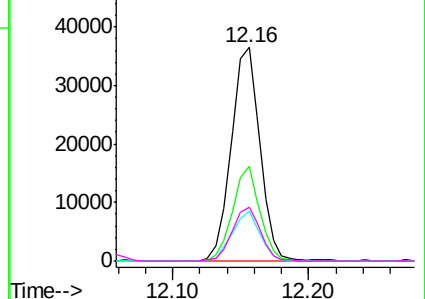


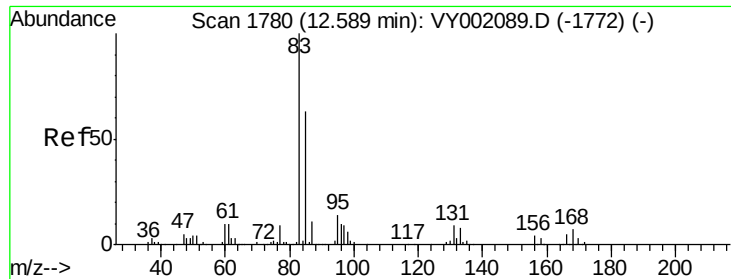
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.730 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

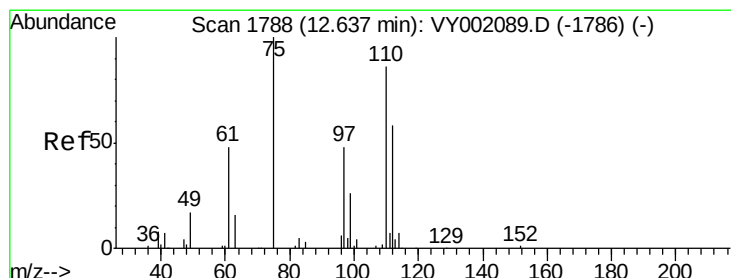
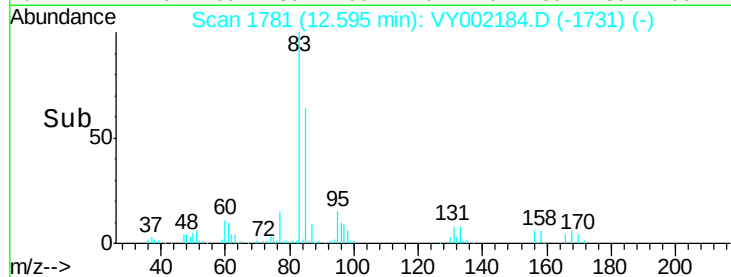
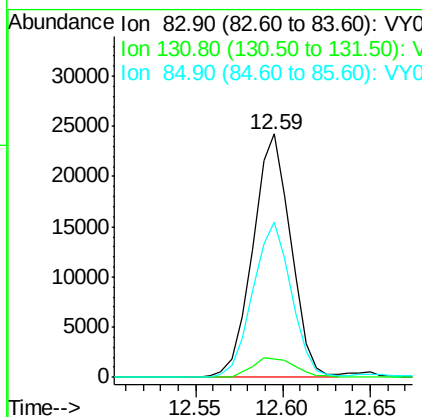
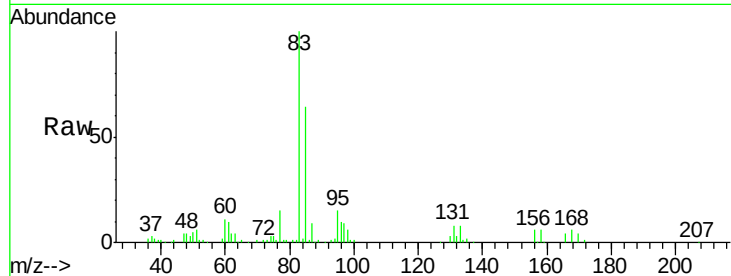
ClientSampleId :

VY0402SBS01

Tot Ion:	83	Resp:	36653
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.7	14.1
85	64.8	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.872 ug/l m

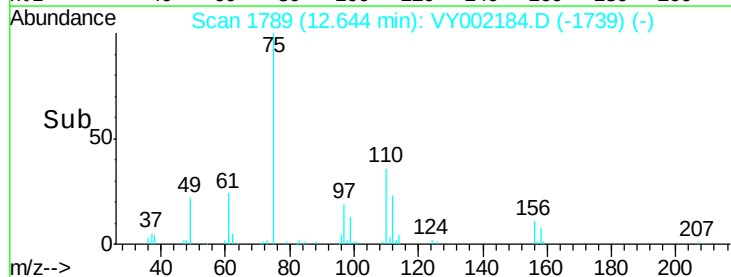
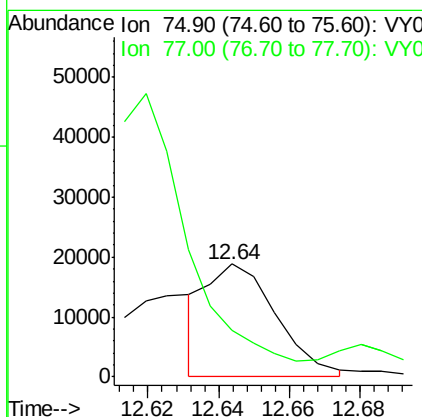
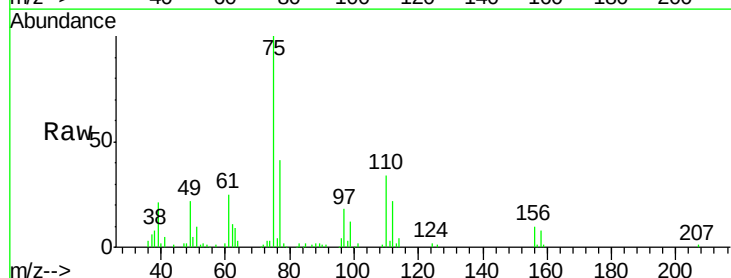
RT: 12.64 min Scan# 1789

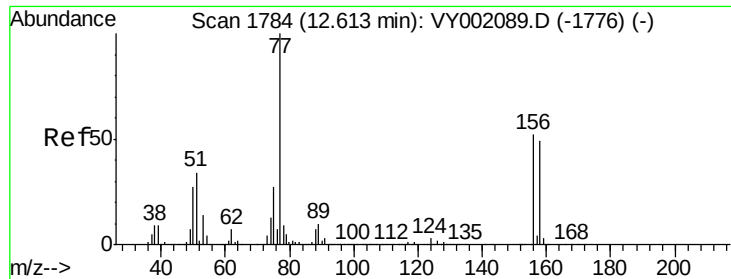
Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Tgt Ion:	75	Resp:	25869
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





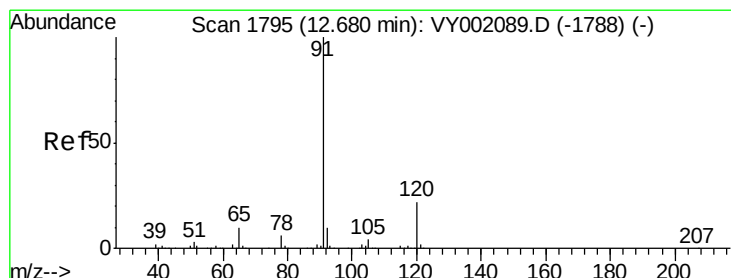
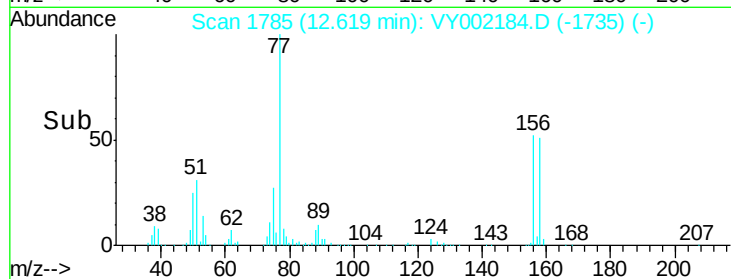
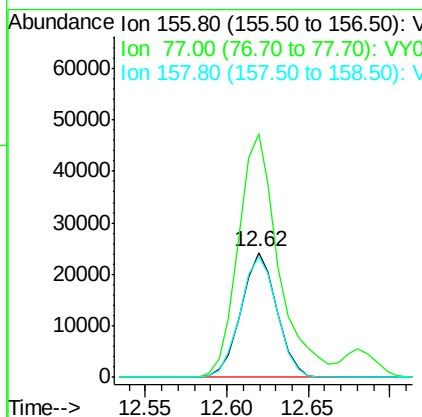
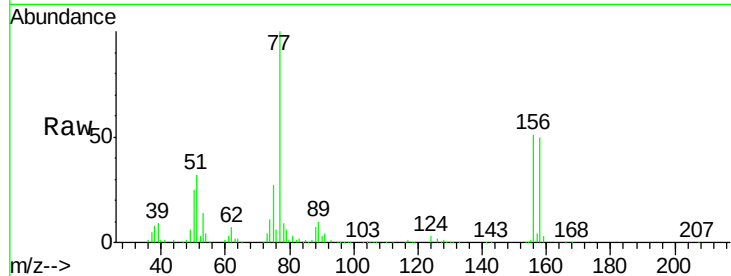
#77
Bromobenzene
Concen: 20.033 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.7	107.8	323.6
158	98.9	47.5	142.6

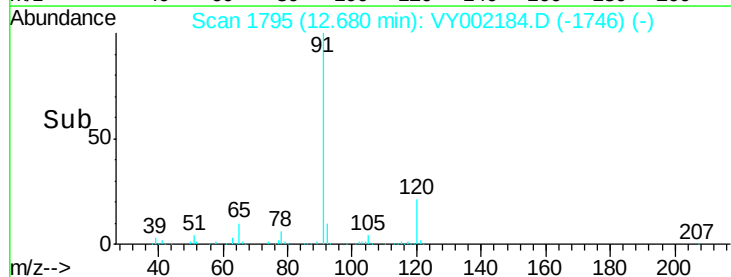
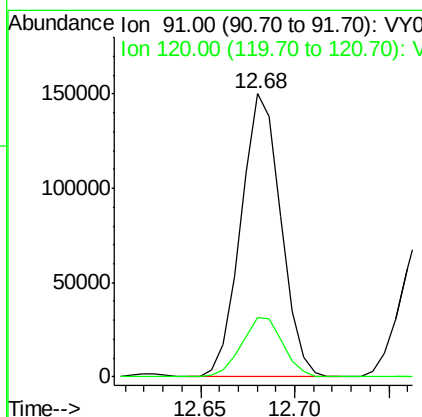
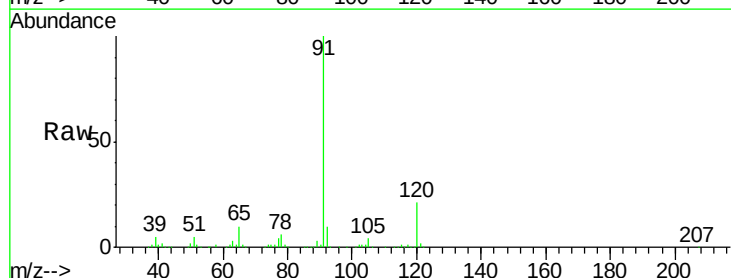
Manual Integrations
APPROVED

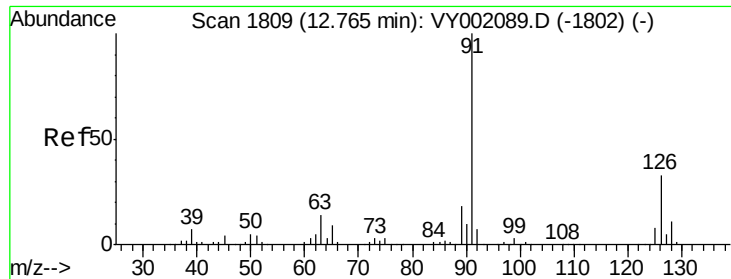
MMDadoda
4/6/2020 11:28:34 AM



#78
n-propylbenzene
Concen: 20.564 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1





#79

2-Chlorotoluene

Concen: 20.291 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion: 91 Resp: 119355

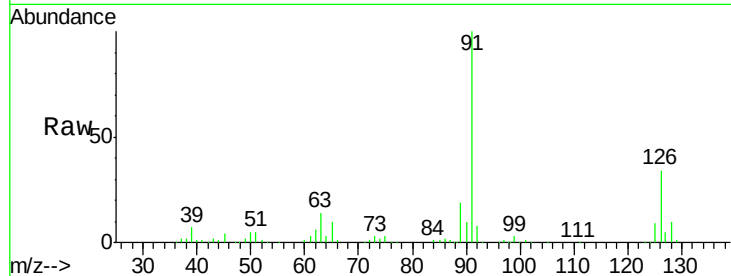
Ion Ratio Lower Upper

91 100

126 33.3 16.4 49.1

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MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VY002184.D (-1760) (-)

Ion 125.90 (125.60 to 126.60): VY002184.D (-1760) (-)

150000

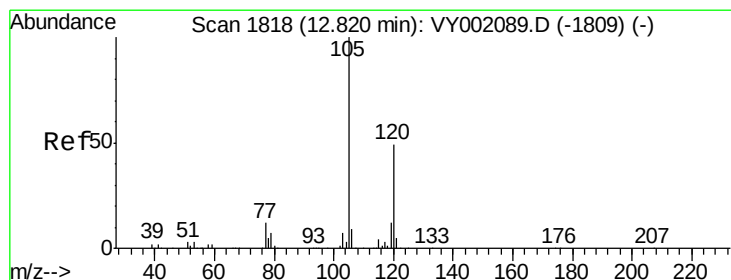
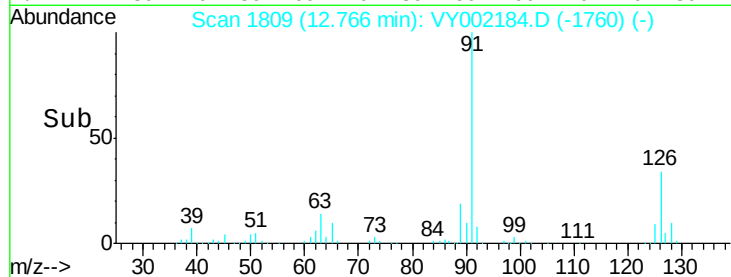
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.334 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002184.D

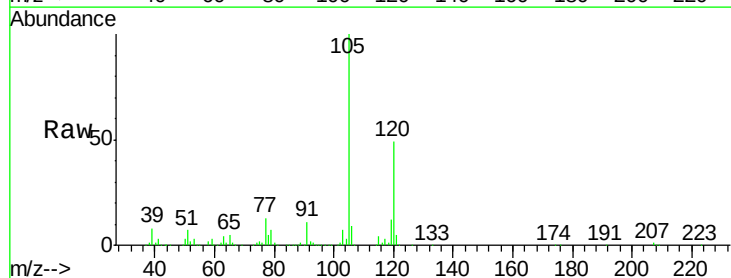
Acq: 02 Apr 2020 12:18

Tgt Ion: 105 Resp: 144830

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002184.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY002184.D (-1769) (-)

100000

80000

60000

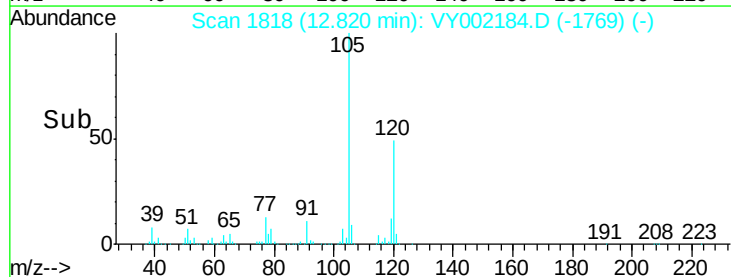
40000

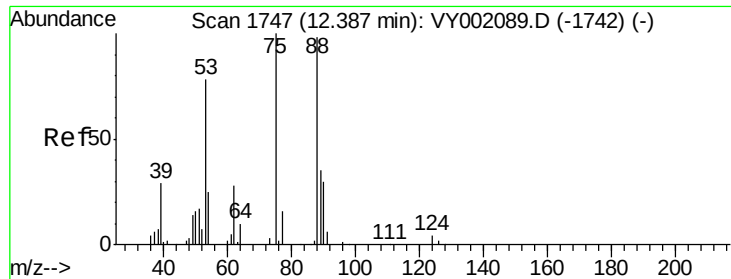
20000

0

12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.755 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

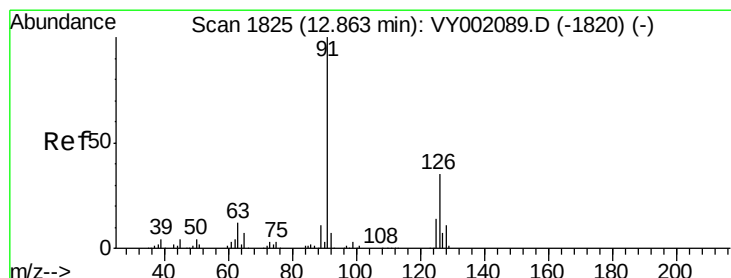
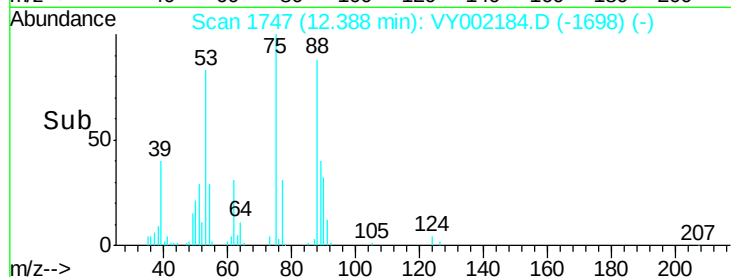
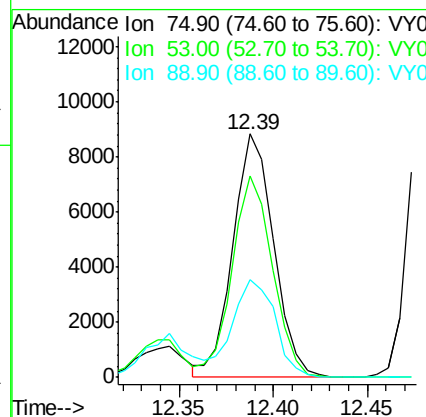
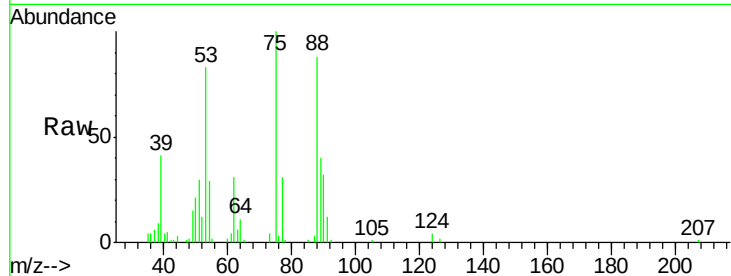
ClientSampleId :

VY0402SBS01

Tot Ion:	75	Resp:	13274
Ion	Ratio	Lower	Upper
75	100		
53	82.3	65.0	97.4
89	42.2	33.4	50.0

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#82

4-Chlorotoluene

Concen: 20.254 ug/l

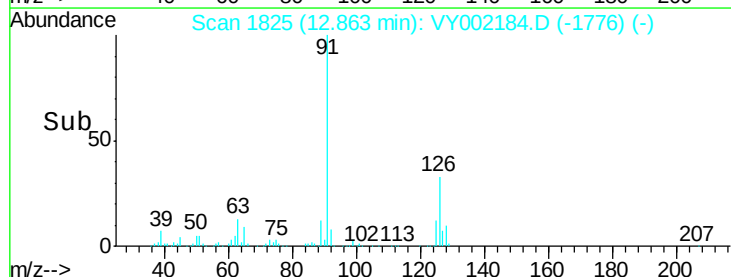
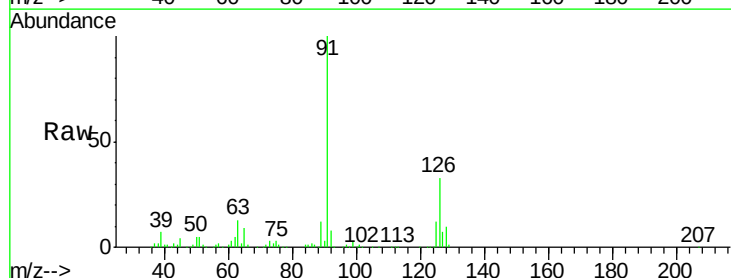
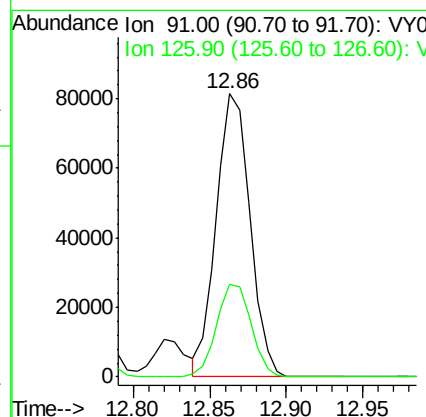
RT: 12.86 min Scan# 1825

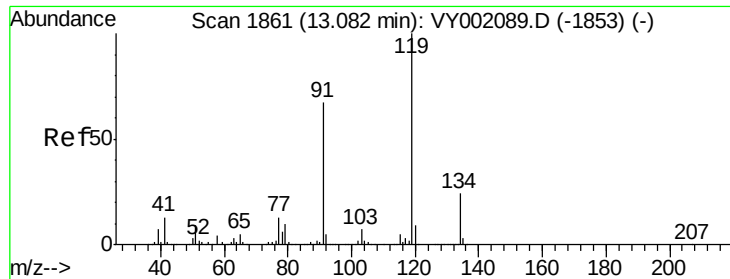
Delta R.T. 0.00 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Tgt Ion:	91	Resp:	125545
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.3	48.9





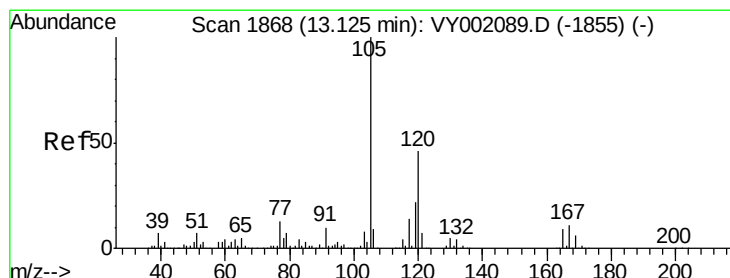
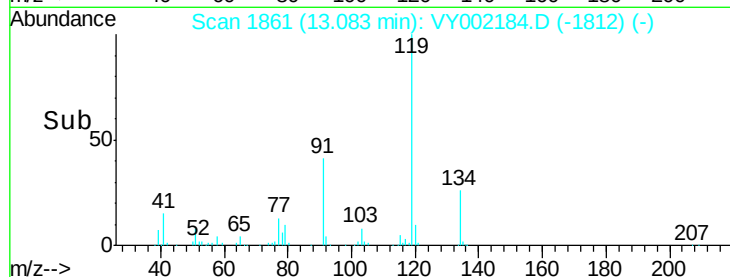
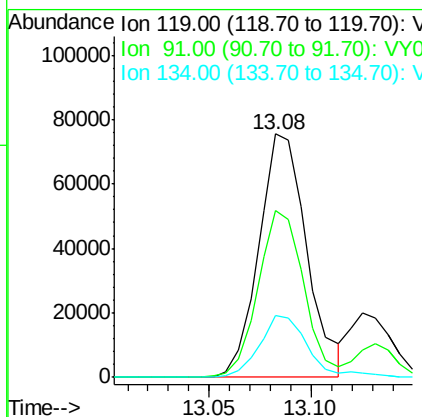
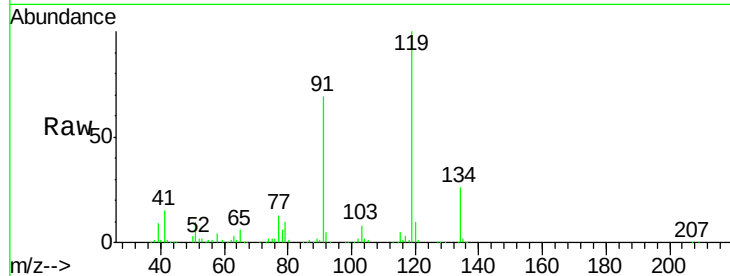
#83
 tert-Butylbenzene
 Concen: 20.815 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.9	98.6
134	25.9	13.0	38.9

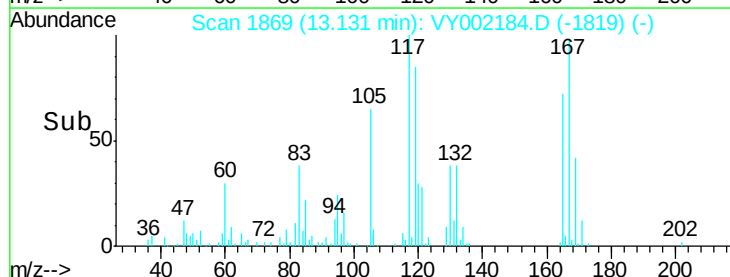
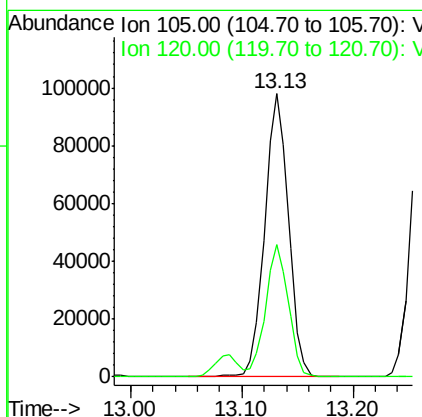
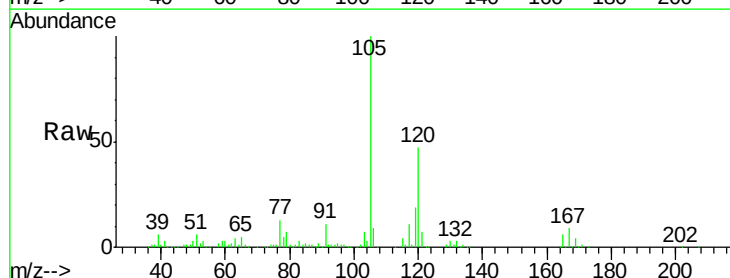
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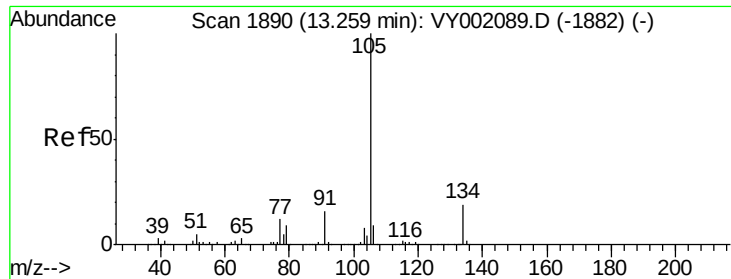
MMDadoda
 4/6/2020 11:28:34 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.621 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.9	68.5





#85

sec-Butylbenzene

Concen: 20.626 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0402SBS01

Tot Ion:105 Resp: 181629

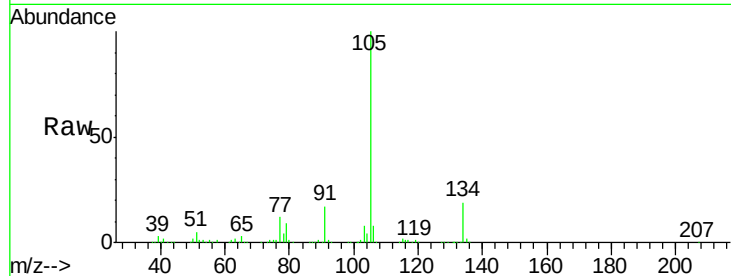
Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1

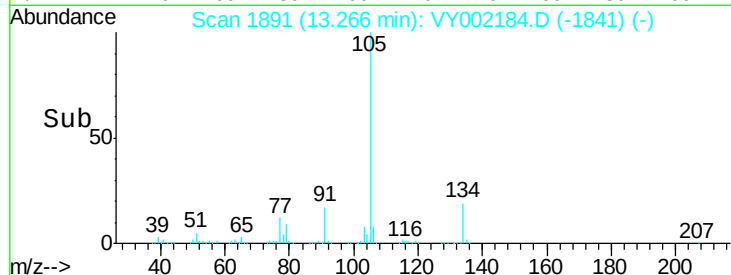
Manual Integrations
APPROVED

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4/6/2020 11:28:34 AM

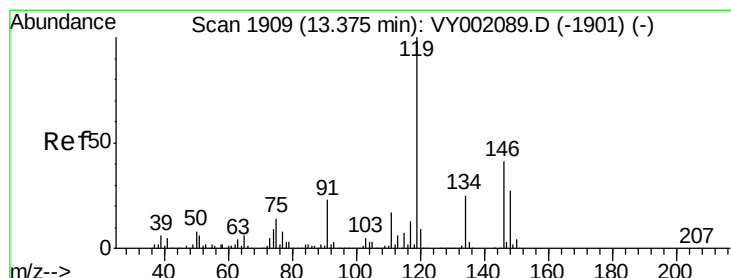


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.812 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002184.D

Acq: 02 Apr 2020 12:18

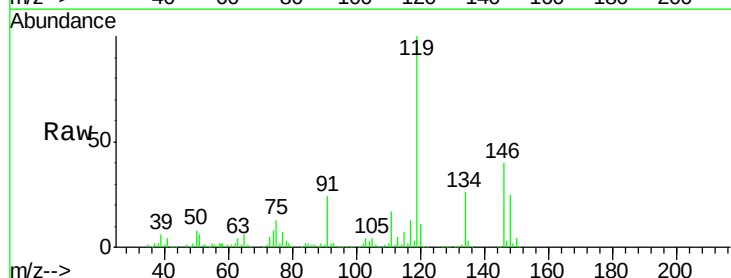
Tgt Ion:119 Resp: 157383

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

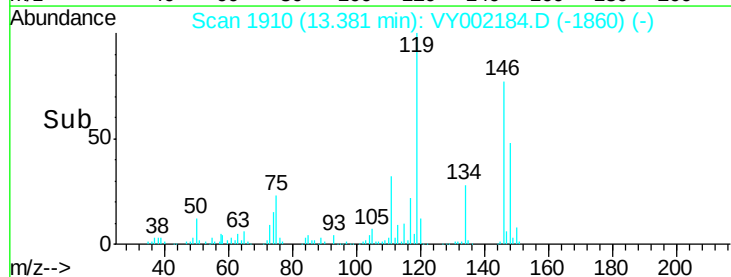
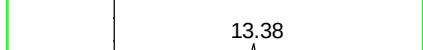
91 23.7 11.8 35.3



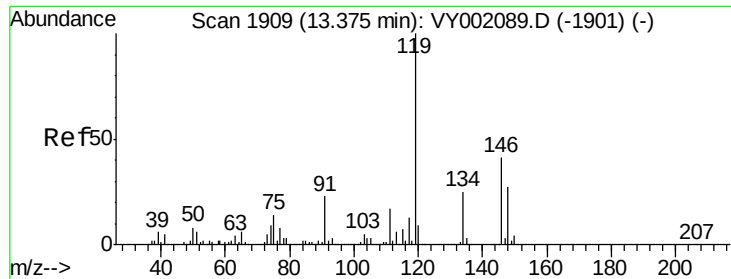
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0



Time-->



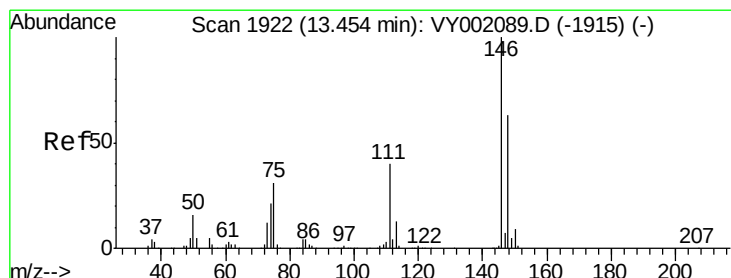
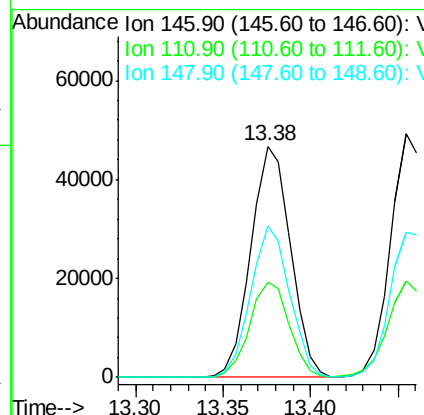
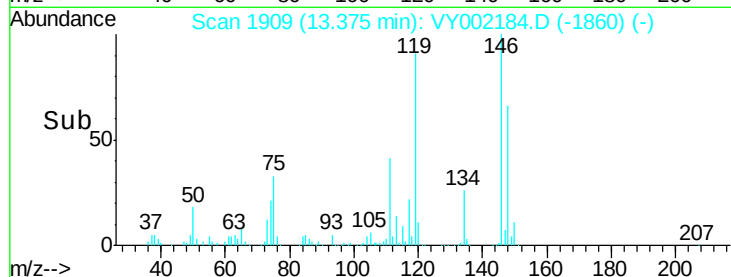
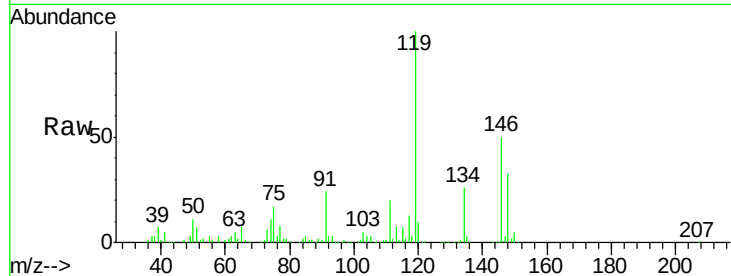
#87
 1,3-Dichlorobenzene
 Concen: 20.400 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.8
148	64.6	32.1	96.5

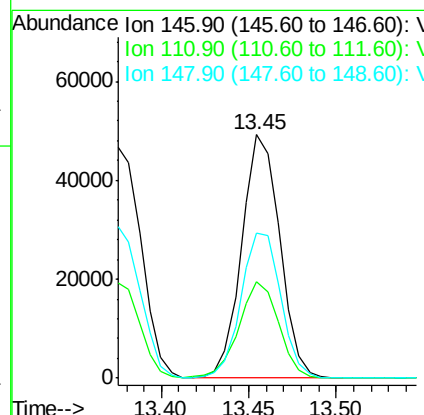
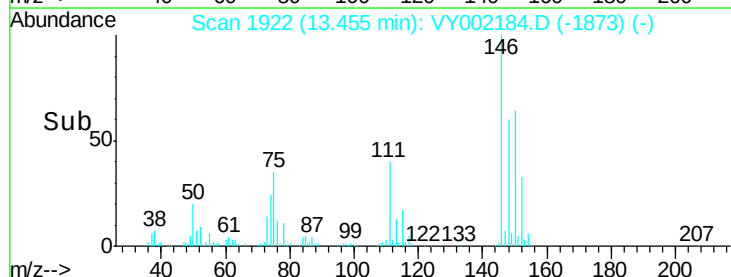
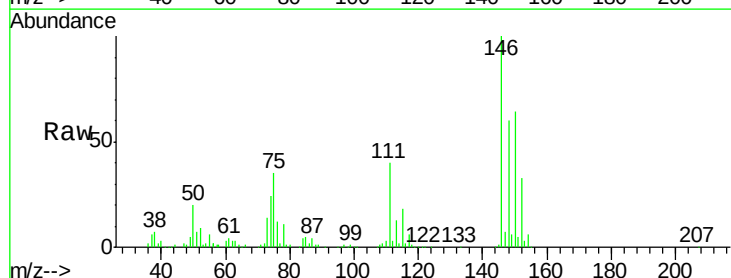
Manual Integrations
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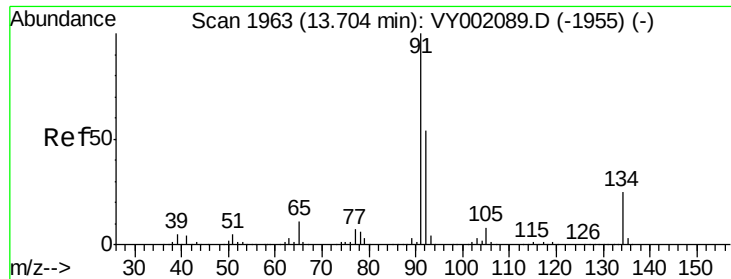
MMDadoda
 4/6/2020 11:28:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.640 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.9
148	62.3	31.5	94.5





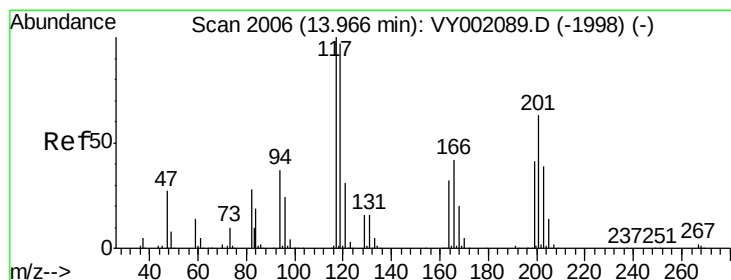
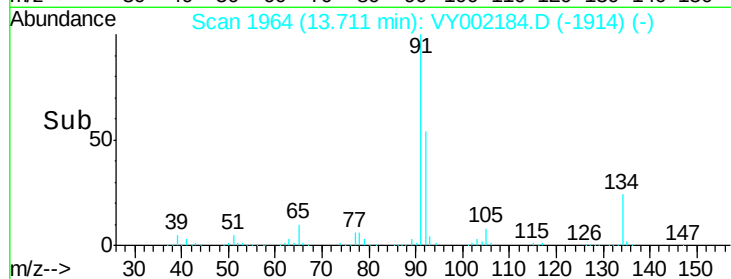
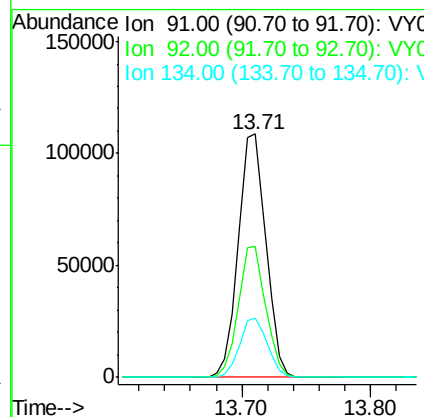
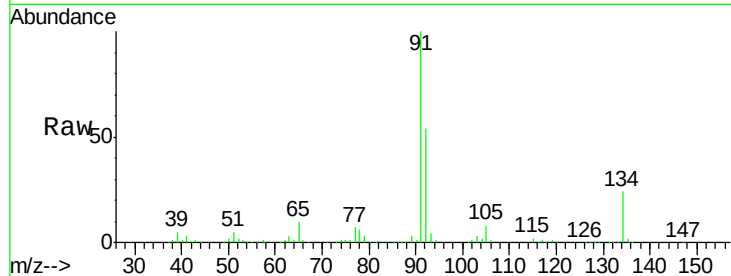
#89
n-Butylbenzene
Concen: 20.665 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	162816		
92	53.3	27.0	81.0	
134	24.4	12.3	36.8	

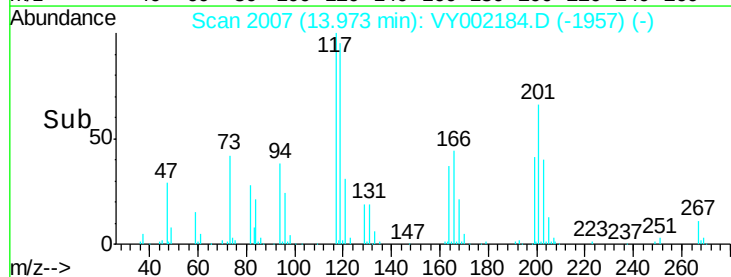
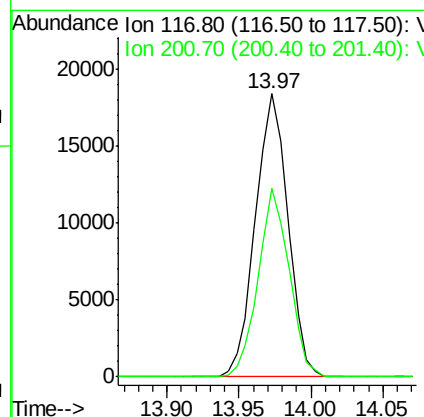
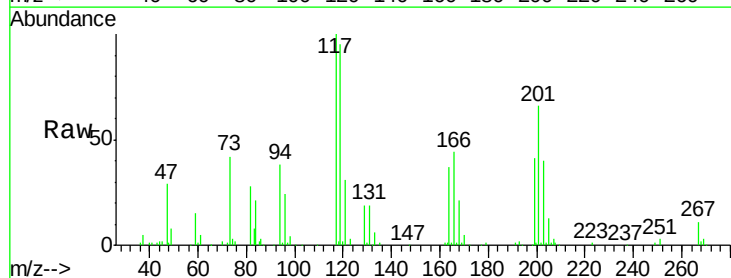
Manual Integrations
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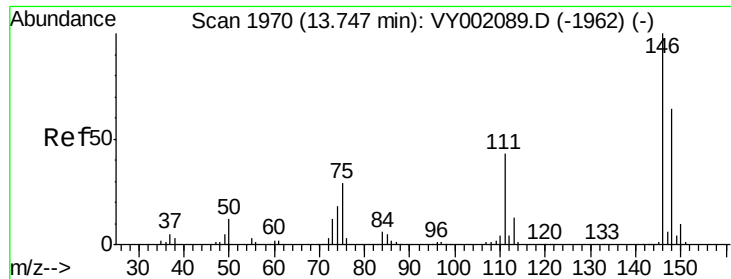
MMDadoda
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#90
Hexachloroethane
Concen: 20.181 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	28756		
201	63.2	31.6	94.8	





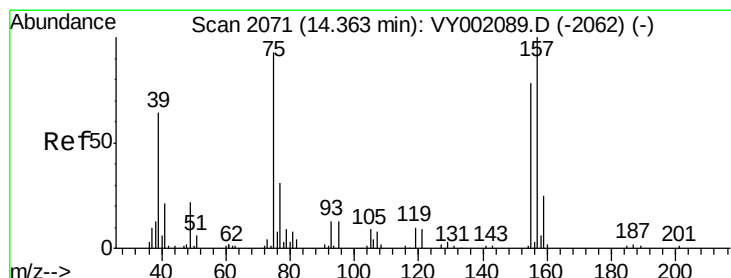
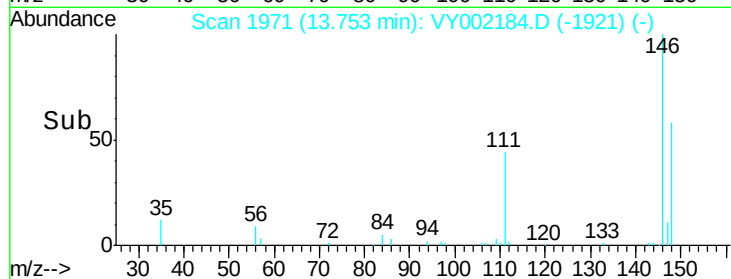
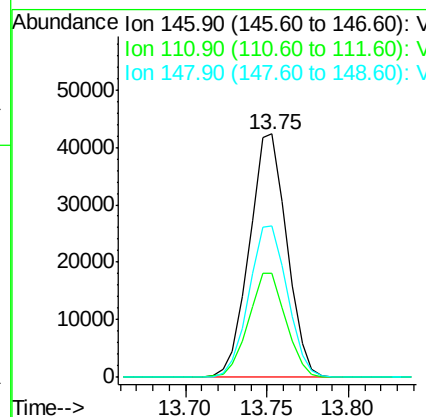
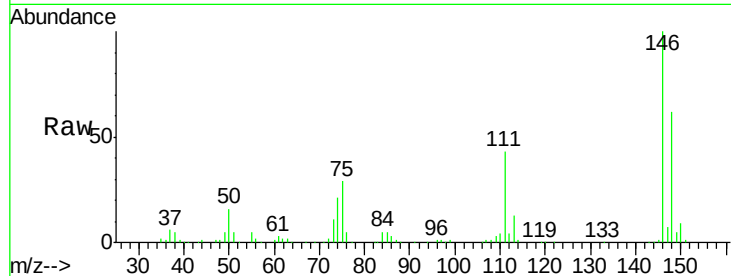
#91
 1,2-Dichlorobenzene
 Concen: 20.380 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.7
148	63.8	31.8	95.4

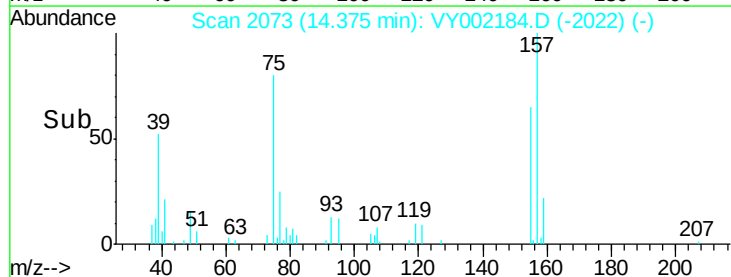
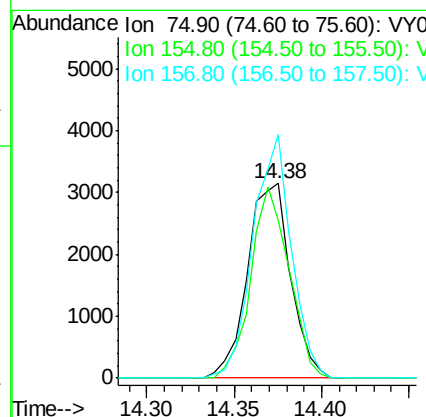
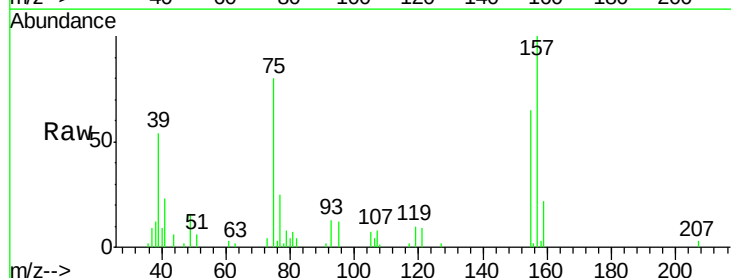
Manual Integrations
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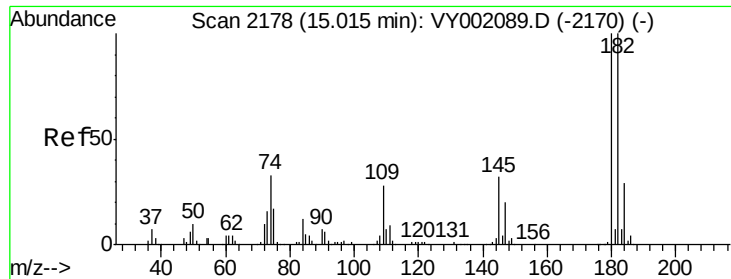
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.110 ug/l
 RT: 14.38 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	41.6	124.9
157	111.4	53.4	160.3





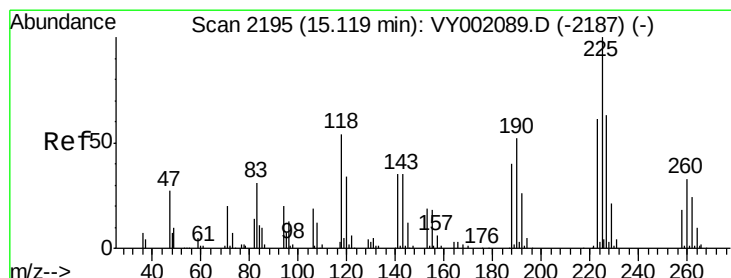
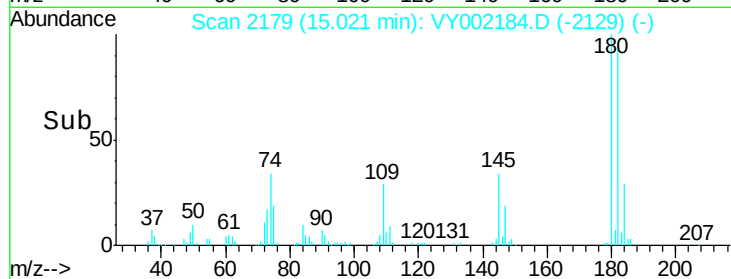
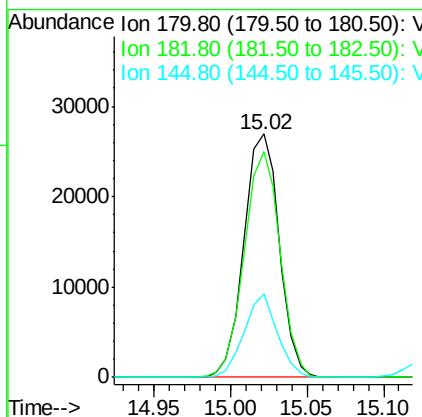
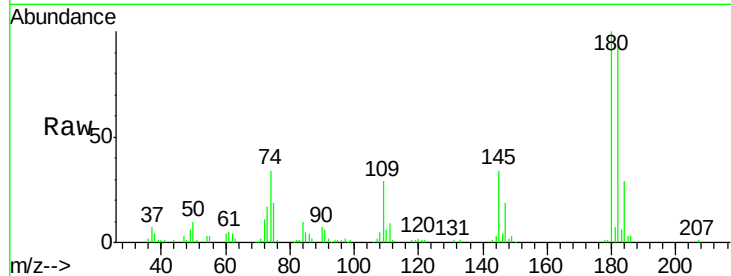
#93
 1,2,4-Trichlorobenzene
 Concen: 20.164 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.1	144.3
145	32.1	15.9	47.6

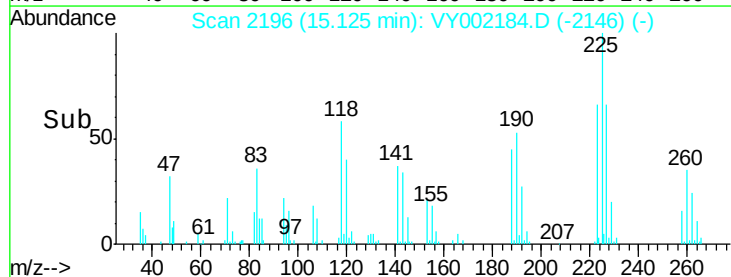
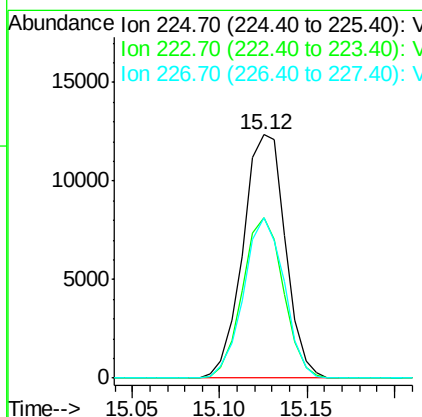
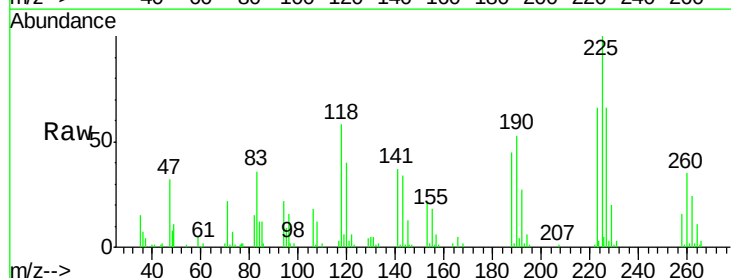
Manual Integrations
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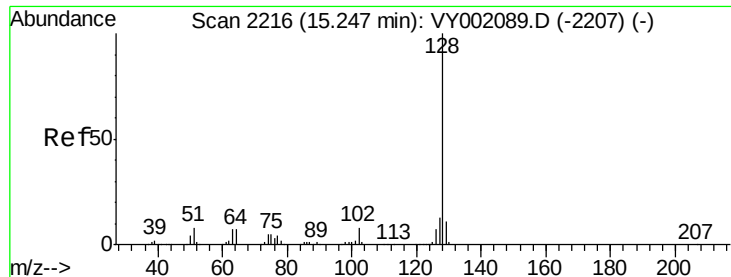
MMDadoda
 4/6/2020 11:28:34 AM



#94
 Hexachlorobutadiene
 Concen: 19.743 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002184.D
 Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.3
227	62.9	31.6	94.7





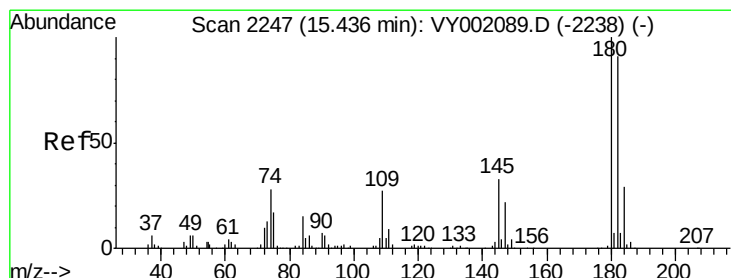
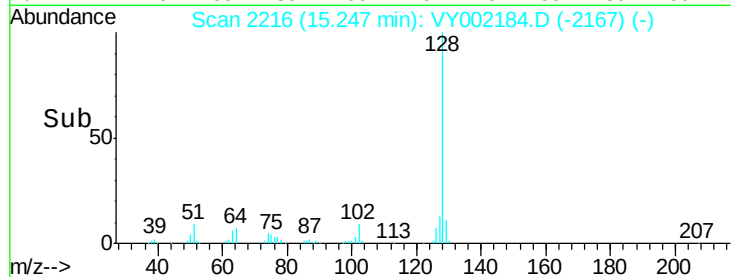
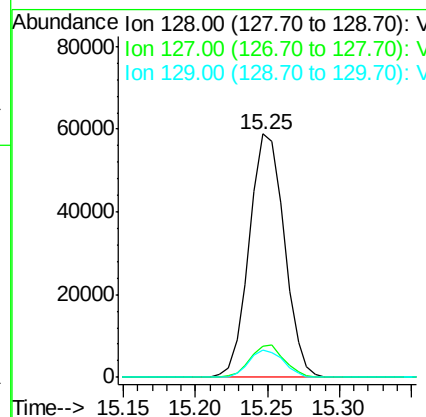
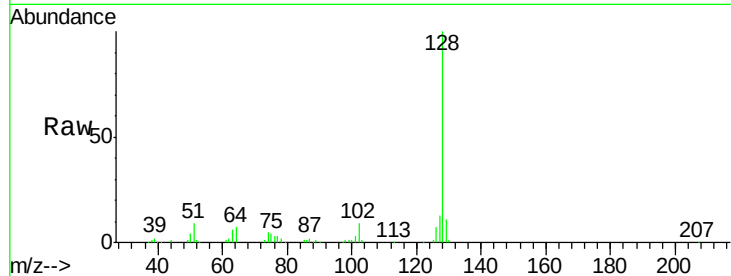
#95
Naphthalene
Concen: 19.432 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0402SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.8	14.8
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/6/2020 11:28:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.719 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY002184.D
Acq: 02 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	46.8	140.3
145	33.0	16.7	50.1

