

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003231.D
 Acq On : 20 Jul 2020 15:03
 Operator : SY/MD
 Sample : VY0720SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/21/2020 4:58:53 PM

Quant Time: Jul 21 04:29:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	396081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	588681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	542150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	291087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	184030	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
35) Dibromofluoromethane	7.72	113	168444	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.18	98	619904	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.48	95	226398	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	67409	23.745	ug/l	100
3) Chloromethane	2.12	50	92095	23.388	ug/l	97
4) Vinyl Chloride	2.26	62	89441	22.138	ug/l	100
5) Bromomethane	2.64	94	68000	22.660	ug/l	99
6) Chloroethane	2.79	64	56794	21.403	ug/l	91
7) Trichlorofluoromethane	3.13	101	125975	21.834	ug/l	99
8) Diethyl Ether	3.54	74	42895	22.186	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.90	101	74011	21.239	ug/l	98
10) Methyl Iodide	4.10	142	69742	18.422	ug/l	97
11) Tert butyl alcohol	4.96	59	43971	121.638	ug/l	98
12) 1,1-Dichloroethene	3.88	96	68215	20.697	ug/l	91
13) Acrolein	3.73	56	31250	99.597	ug/l	99
14) Allyl chloride	4.49	41	121981	24.942	ug/l	94
15) Acrylonitrile	5.17	53	113983	122.730	ug/l	98
16) Acetone	3.96	43	96776	129.598	ug/l	98
17) Carbon Disulfide	4.19	76	218772	21.631	ug/l	98
18) Methyl Acetate	4.48	43	52493	25.313	ug/l	93
19) Methyl tert-butyl Ether	5.22	73	203483	22.030	ug/l	99
20) Methylene Chloride	4.72	84	99408	23.552	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	77585	20.812	ug/l	90
22) Diisopropyl ether	6.13	45	266829	24.583	ug/l	94
23) Vinyl Acetate	6.07	43	886365	122.519	ug/l	98
24) 1,1-Dichloroethane	6.03	63	142452	22.654	ug/l	99
25) 2-Butanone	6.99	43	156063	127.286	ug/l	95
26) 2,2-Dichloropropane	6.99	77	125358	22.136	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	86051	20.965	ug/l	93
28) Bromochloromethane	7.34	49	70834	26.018	ug/l	90
29) Tetrahydrofuran	7.35	42	105950	128.633	ug/l	92
30) Chloroform	7.51	83	142881	22.061	ug/l	99
31) Cyclohexane	7.79	56	137138	22.553	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	124827	21.409	ug/l	99
36) 1,1-Dichloropropene	7.92	75	113557	21.284	ug/l	98
37) Ethyl Acetate	7.08	43	70964	24.698	ug/l	99
38) Carbon Tetrachloride	7.90	117	113412	20.590	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	136411	20.352	ug/l	96
40) Benzene	8.16	78	310316	21.123	ug/l	99
41) Methacrylonitrile	7.32	41	37420m	21.624	ug/l	
42) 1,2-Dichloroethane	8.24	62	98532	21.786	ug/l	99
43) Isopropyl Acetate	8.28	43	131250	23.599	ug/l	97
44) Trichloroethene	8.94	130	87567	19.444	ug/l	100
45) 1,2-Dichloropropane	9.22	63	83090	21.858	ug/l	96
46) Dibromomethane	9.31	93	46816	21.086	ug/l	98
47) Bromodichloromethane	9.50	83	113980	21.585	ug/l	98
48) Methyl methacrylate	9.30	41	59917	24.098	ug/l	91
49) 1,4-Dioxane	9.30	88	12450	441.829	ug/l #	87
51) 4-Methyl-2-Pentanone	10.07	43	346794	119.967	ug/l	96
52) Toluene	10.24	92	193537	20.611	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	119263	21.799	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	134095	21.273	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	66416	21.110	ug/l	95
56) Ethyl methacrylate	10.51	69	93852	21.942	ug/l	94
57) 1,3-Dichloropropane	10.79	76	115335	21.621	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	256534	117.600	ug/l	97
59) 2-Hexanone	10.83	43	242035	119.941	ug/l	96
60) Dibromochloromethane	10.99	129	83578	21.121	ug/l	99
61) 1,2-Dibromoethane	11.09	107	63567	20.472	ug/l	99
64) Tetrachloroethene	10.72	164	89456	18.506	ug/l	99
65) Chlorobenzene	11.52	112	213101	20.404	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.59	131	83500	20.584	ug/l	98
67) Ethyl Benzene	11.59	91	382253	20.498	ug/l	98
68) m/p-Xylenes	11.70	106	289011	40.846	ug/l	99
69) o-Xylene	12.03	106	134356	20.326	ug/l	96
70) Styrene	12.04	104	231035	20.431	ug/l	98
71) Bromoform	12.20	173	55686	20.916	ug/l #	99
73) Isopropylbenzene	12.33	105	374194	20.172	ug/l	100
74) N-amyl acetate	12.14	43	122173	23.473	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	79413	22.166	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	55316m	21.468	ug/l	
77) Bromobenzene	12.61	156	95664	20.232	ug/l	97
78) n-propylbenzene	12.67	91	450950	20.623	ug/l	99
79) 2-Chlorotoluene	12.75	91	252003	20.656	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	314702	20.355	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	29809	22.516	ug/l #	83
82) 4-Chlorotoluene	12.85	91	260882	20.488	ug/l	100
83) tert-Butylbenzene	13.07	119	277329	20.329	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	318707	20.488	ug/l	99
85) sec-Butylbenzene	13.25	105	388971	20.745	ug/l	99
86) p-Isopropyltoluene	13.37	119	352787	20.151	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	179425	20.066	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	180144	20.349	ug/l	98
89) n-Butylbenzene	13.69	91	340303	20.665	ug/l	99
90) Hexachloroethane	13.96	117	67434	21.151	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	160974	20.514	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13066	22.495	ug/l	94

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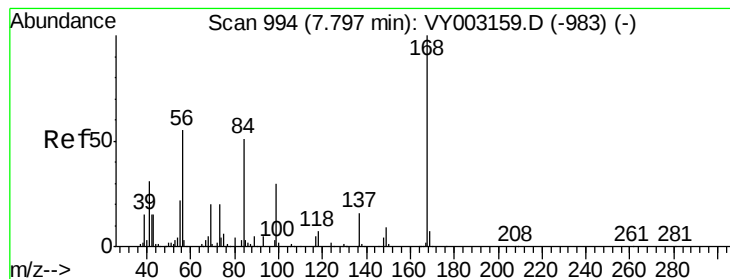
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	116590	20.885	ug/l	99
94) Hexachlorobutadiene	15.11	225	79377	20.751	ug/l	98
95) Naphthalene	15.23	128	197124	21.367	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	93785	21.253	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion:168 Resp: 396081

Ion Ratio Lower Upper

168 100

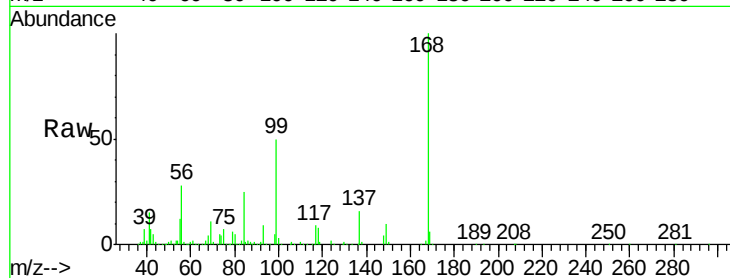
99 50.1 37.3 55.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003231.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003231.D (-945) (-)

7.80

150000

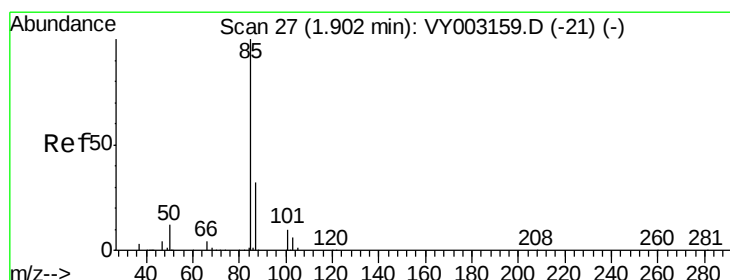
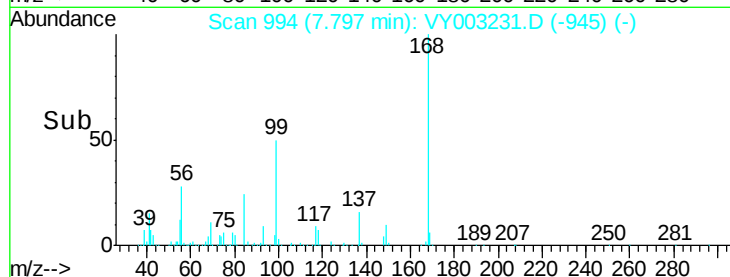
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 23.745 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003231.D

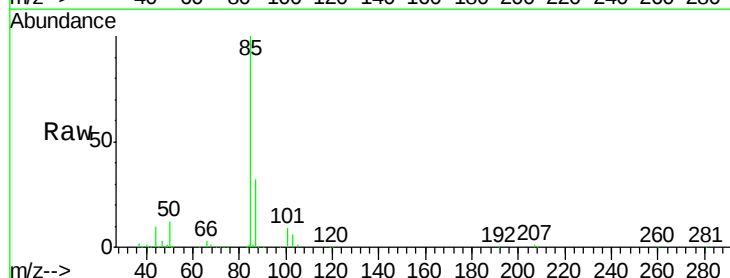
Acq: 20 Jul 2020 15:03

Tgt Ion: 85 Resp: 67409

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY003231.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003231.D (-1) (-)

1.91

50000

40000

30000

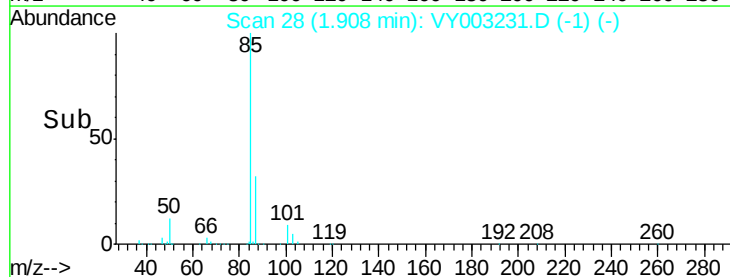
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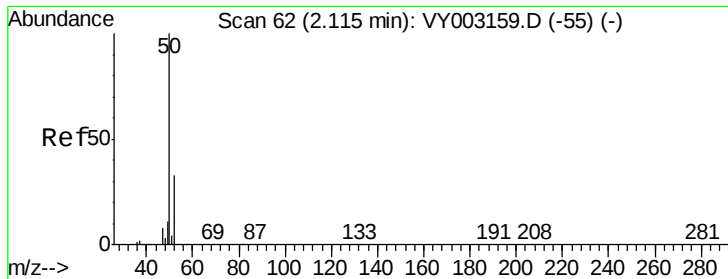
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 23.388 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 50 Resp: 92095

Ion Ratio Lower Upper

50 100

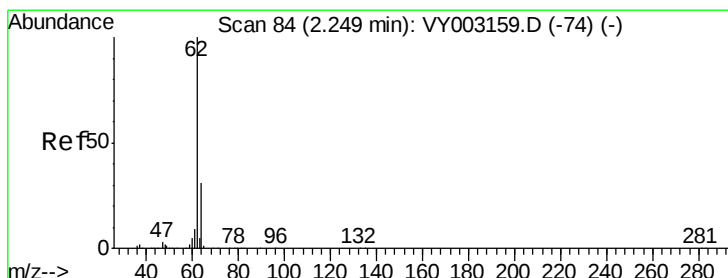
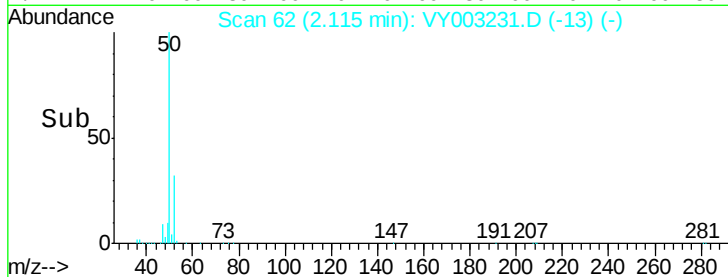
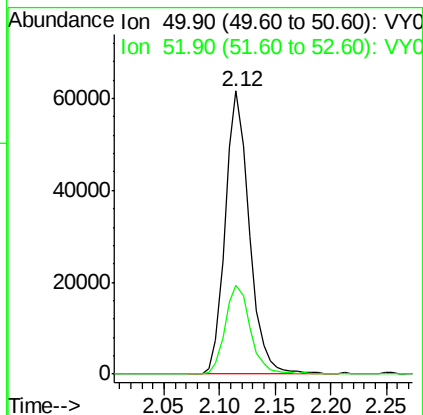
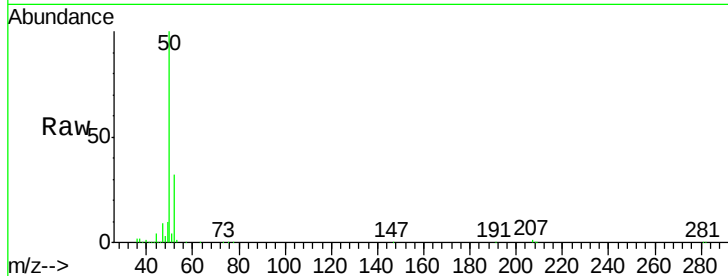
52 31.6 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.138 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003231.D

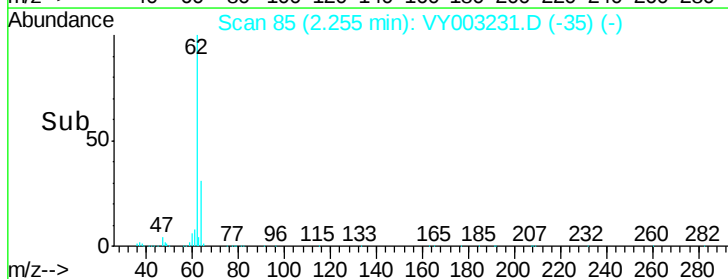
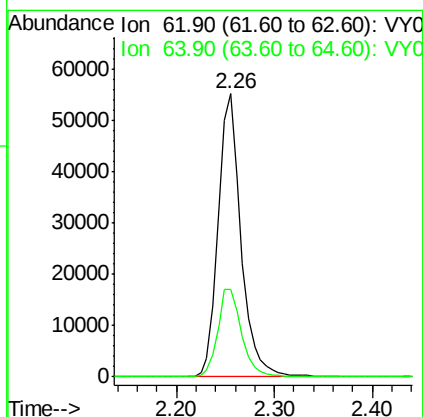
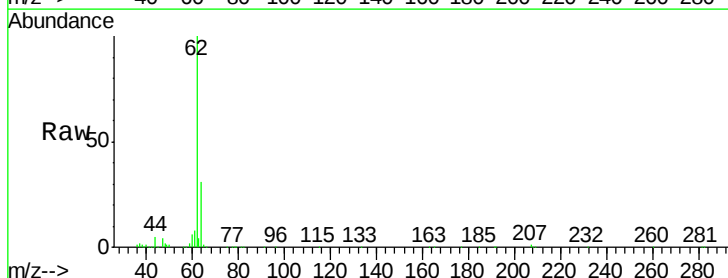
Acq: 20 Jul 2020 15:03

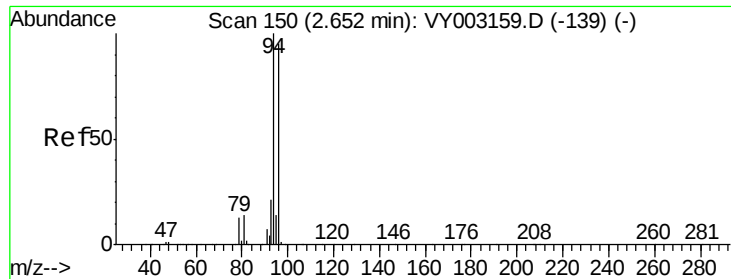
Tgt Ion: 62 Resp: 89441

Ion Ratio Lower Upper

62 100

64 31.0 24.6 37.0





#5

Bromomethane

Concen: 22.660 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 94 Resp: 68000

Ion Ratio Lower Upper

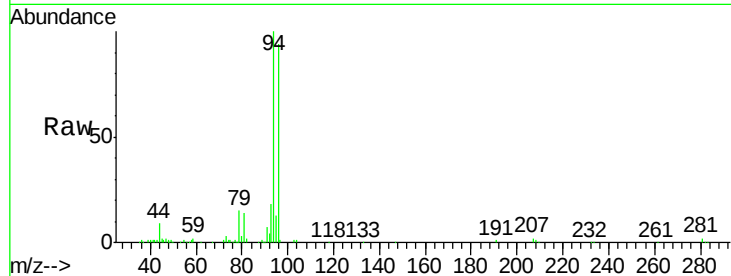
94 100

96 93.8 76.0 114.0

Manual Integrations
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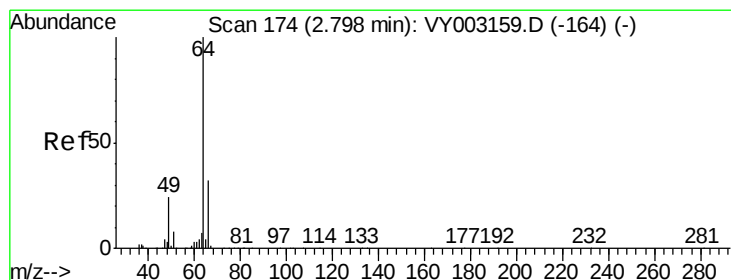
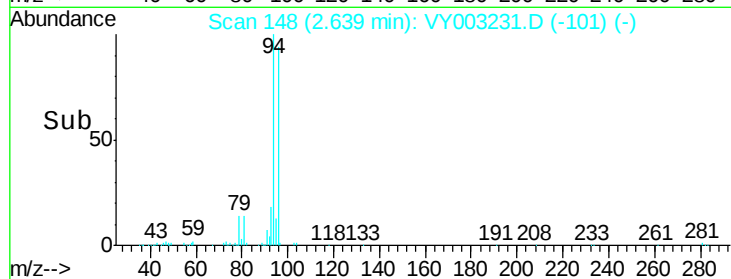
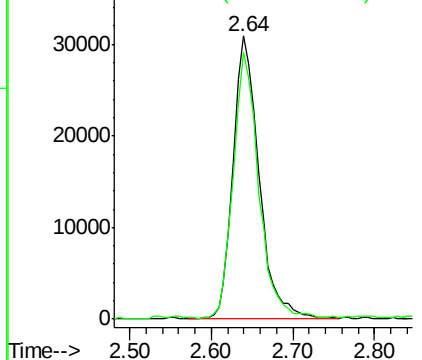
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.403 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003231.D

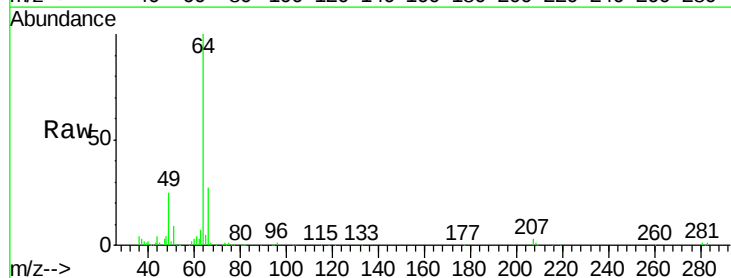
Acq: 20 Jul 2020 15:03

Tgt Ion: 64 Resp: 56794

Ion Ratio Lower Upper

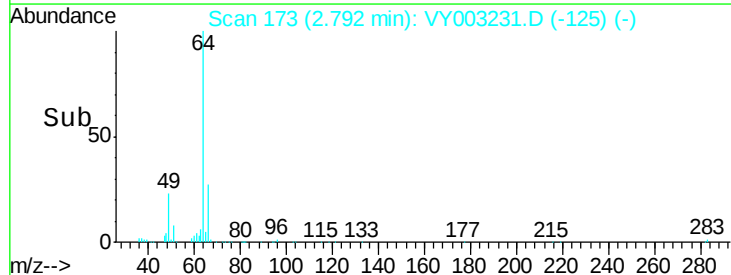
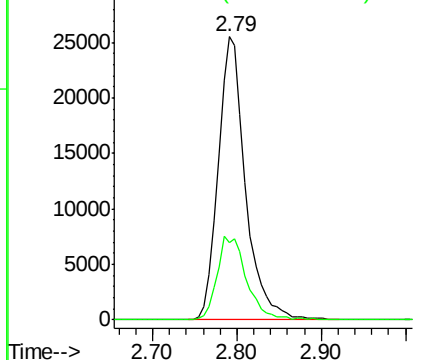
64 100

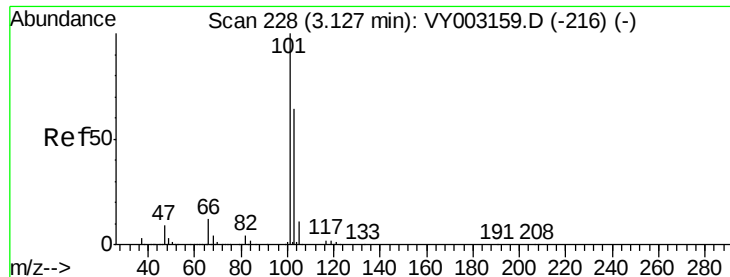
66 27.4 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

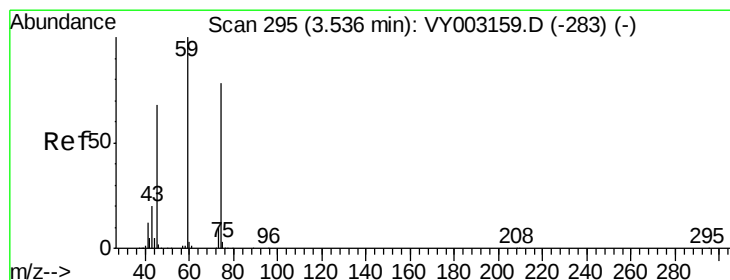
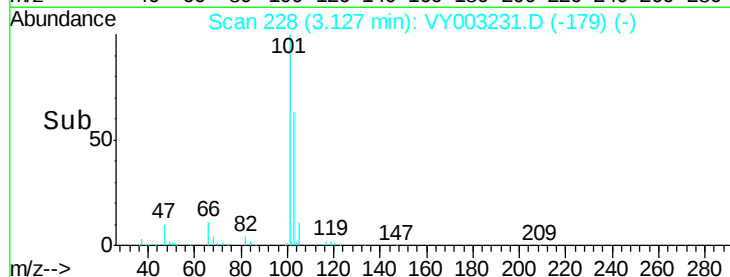
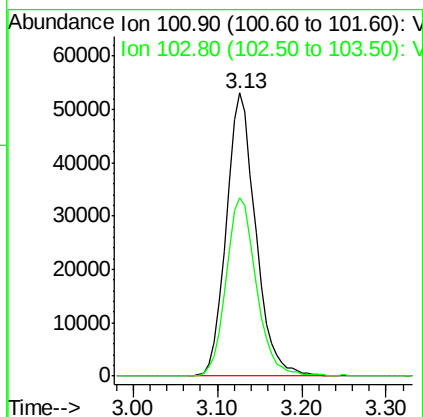
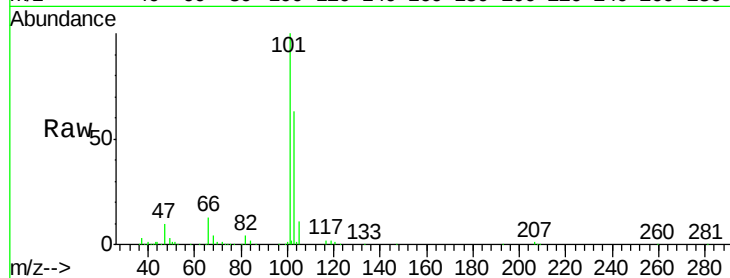
Trichlorofluoromethane
 Concen: 21.834 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.3	76.9

Manual Integrations
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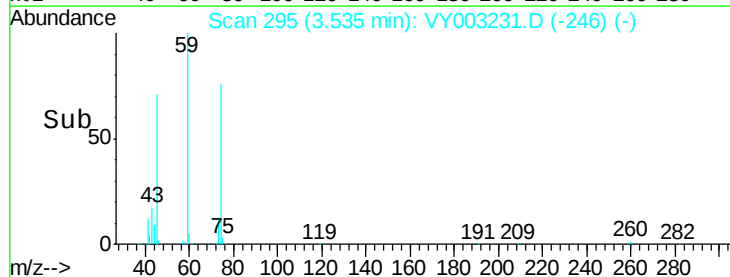
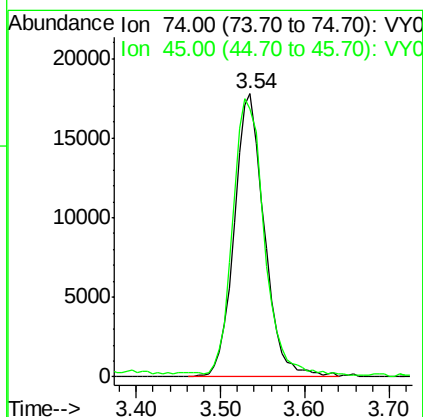
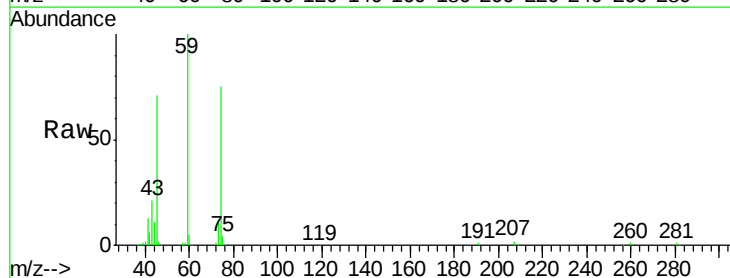
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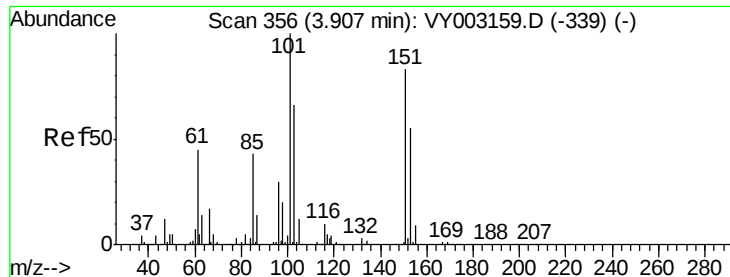


#8

Diethyl Ether
 Concen: 22.186 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	45.3	135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.239 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

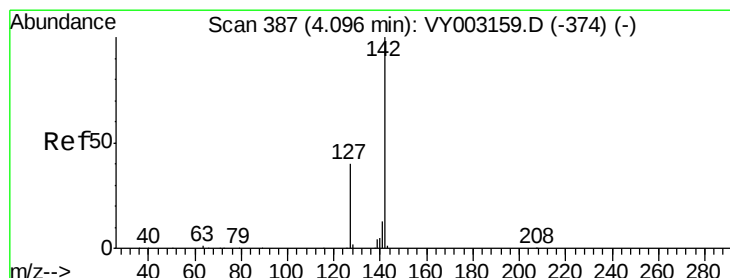
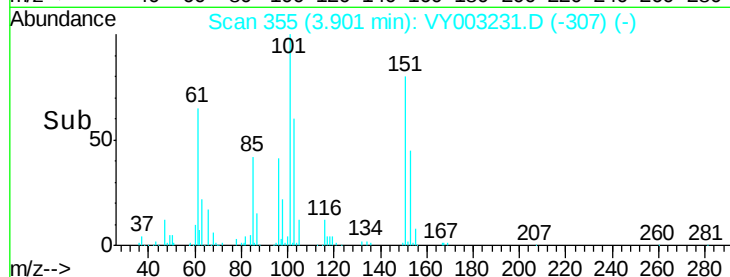
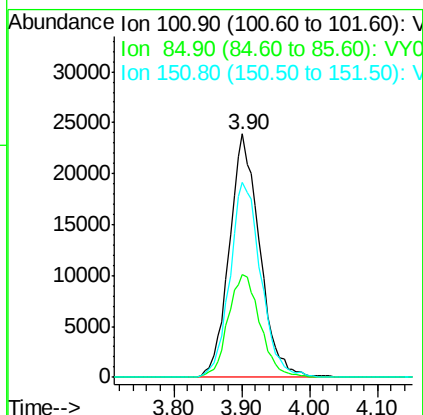
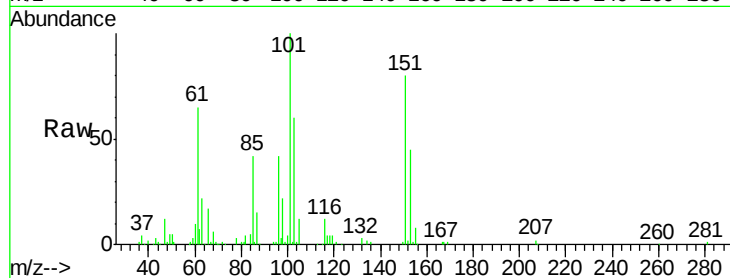
ClientSampleId :

VY0720SBS01

Tot Ion:	101	Resp:	74011
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.9	52.3
151	81.6	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.422 ug/l

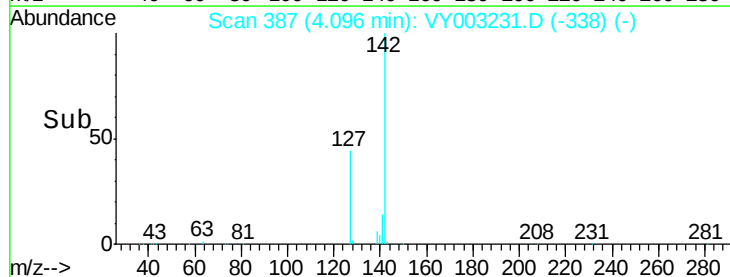
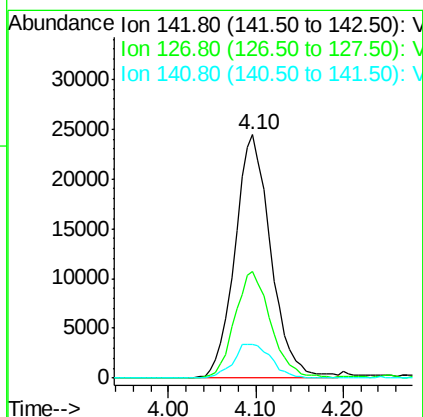
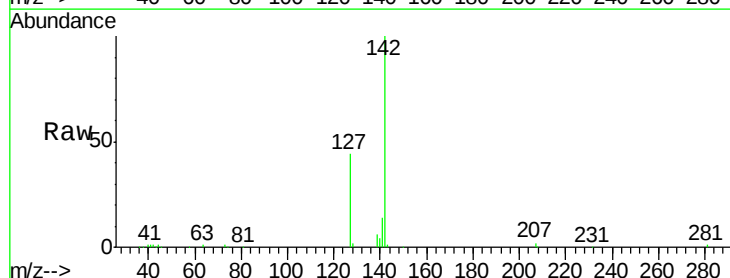
RT: 4.10 min Scan# 387

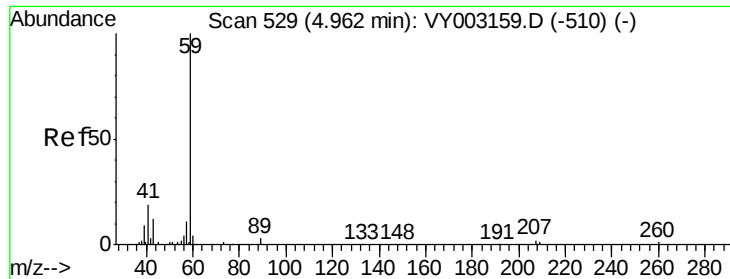
Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Tgt Ion:	142	Resp:	69742
Ion Ratio	Lower	Upper	
142	100		
127	43.9	33.5	50.3
141	14.7	11.2	16.8





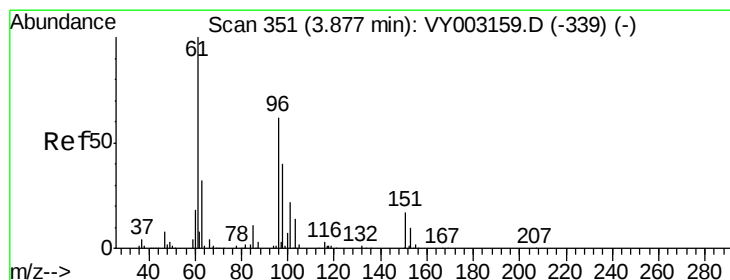
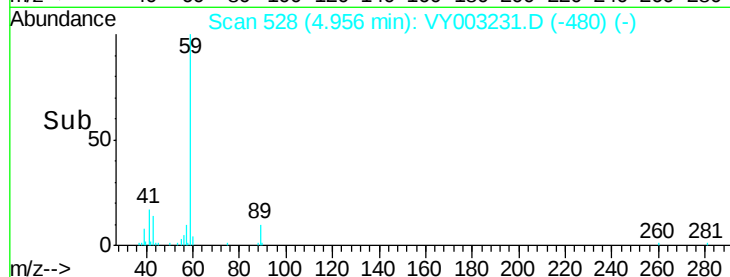
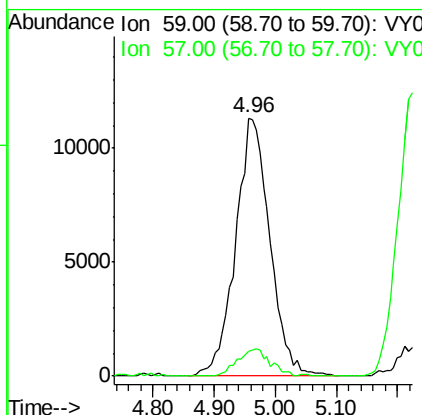
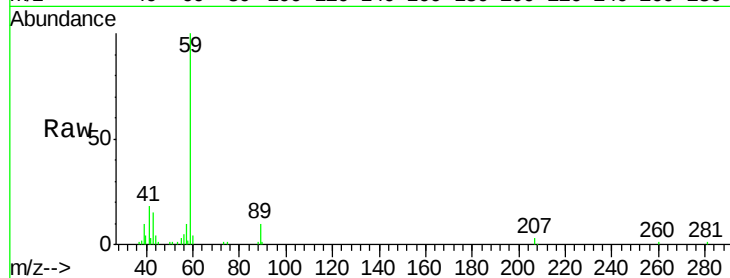
#11
Tert butyl alcohol
Concen: 121.638 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.4	12.6

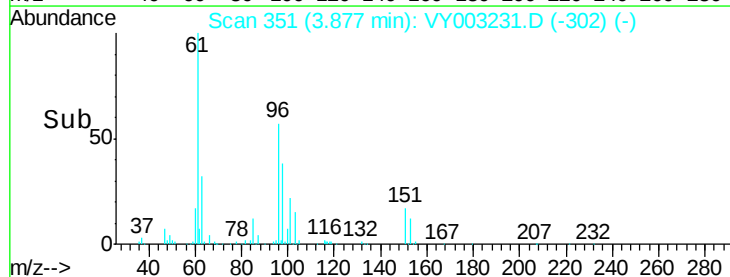
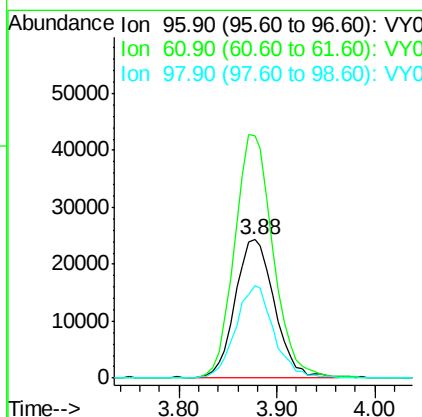
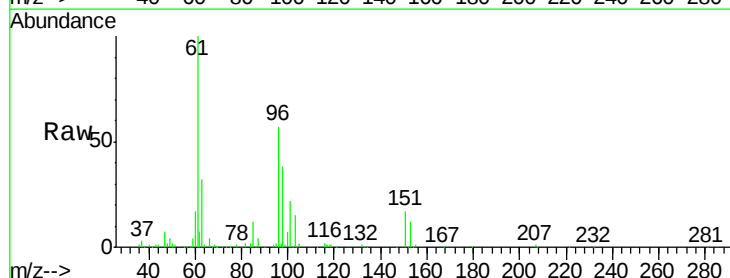
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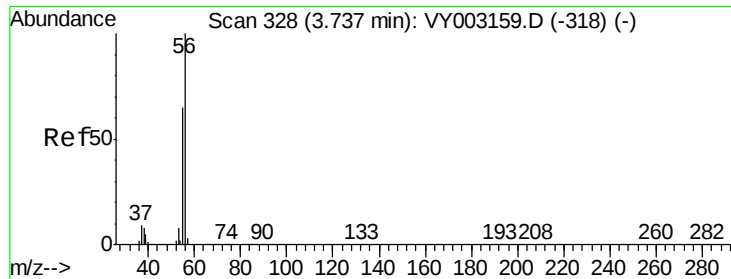
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.697 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.9	128.6	193.0
98	67.0	51.6	77.4





#13

Acrolein

Concen: 99.597 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 56 Resp: 31250

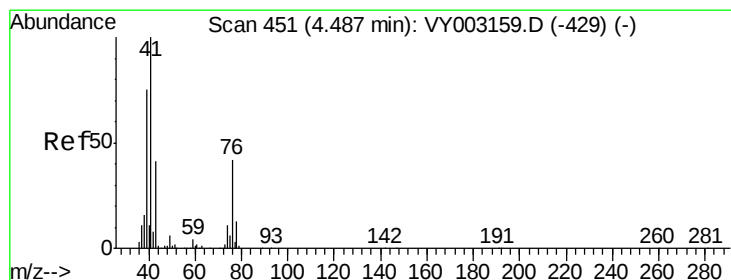
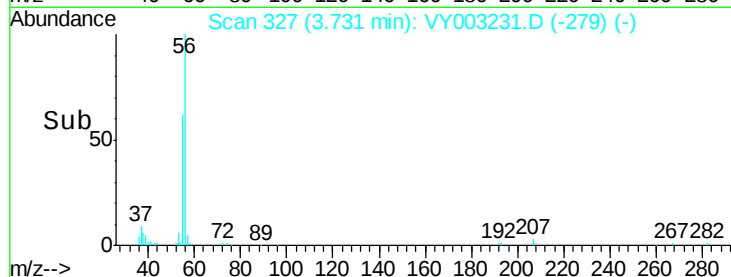
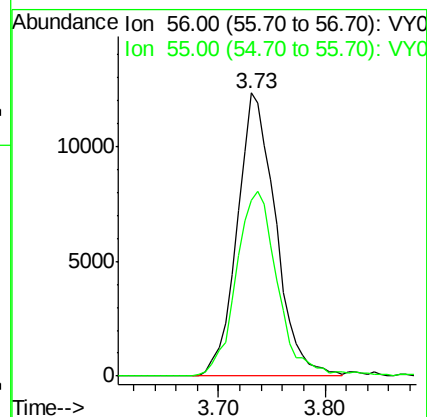
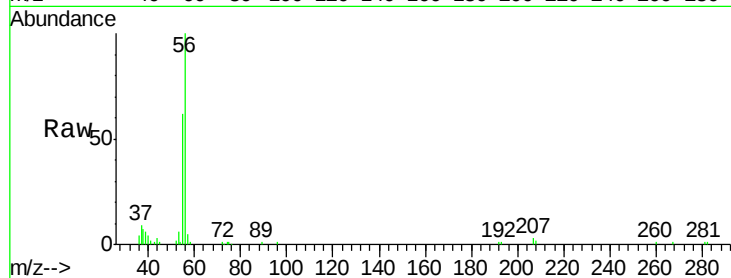
Ion Ratio Lower Upper

56 100

55 70.6 56.0 84.0

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#14

Allyl chloride

Concen: 24.942 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

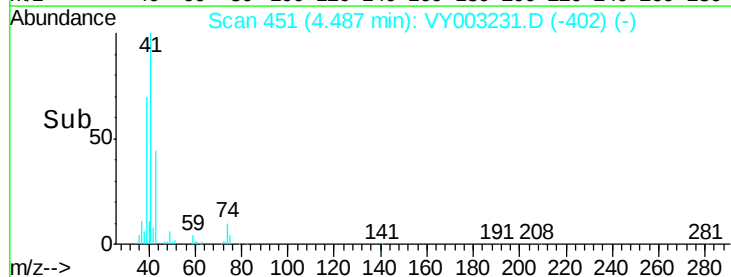
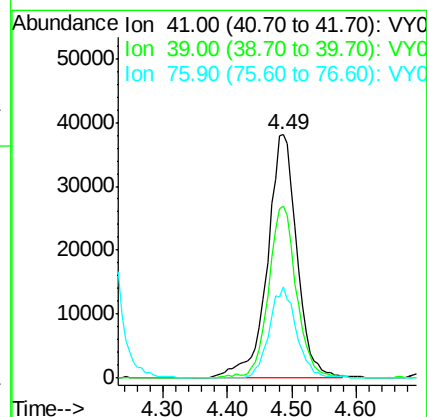
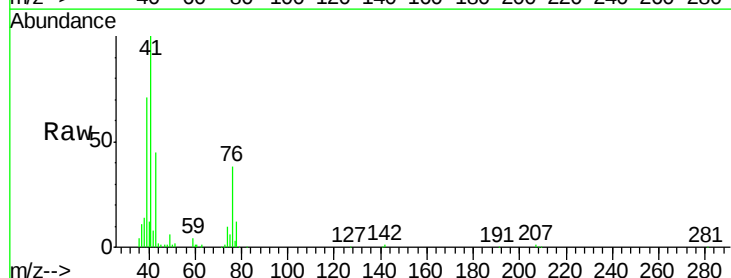
Tgt Ion: 41 Resp: 121981

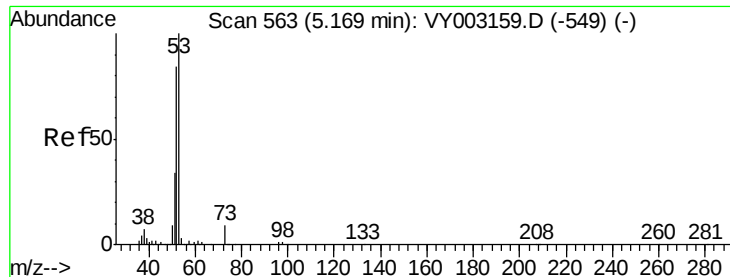
Ion Ratio Lower Upper

41 100

39 67.1 56.6 85.0

76 34.3 31.6 47.4





#15

Acrylonitrile

Concen: 122.730 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

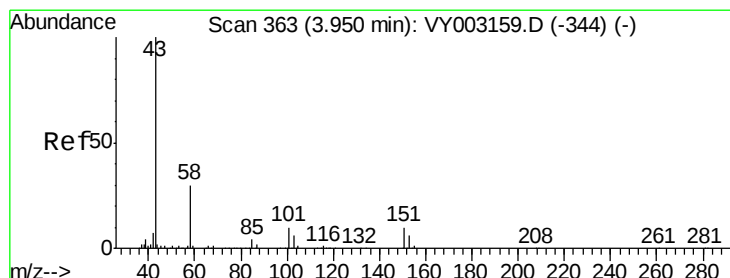
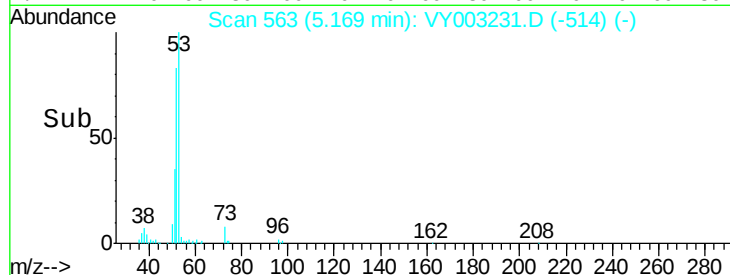
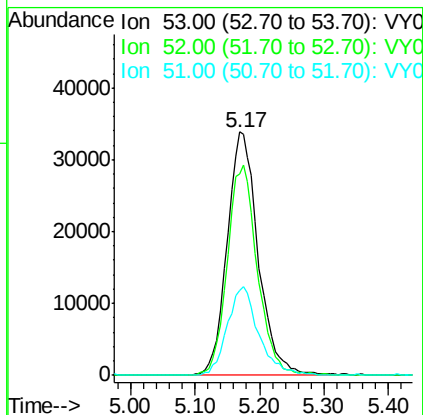
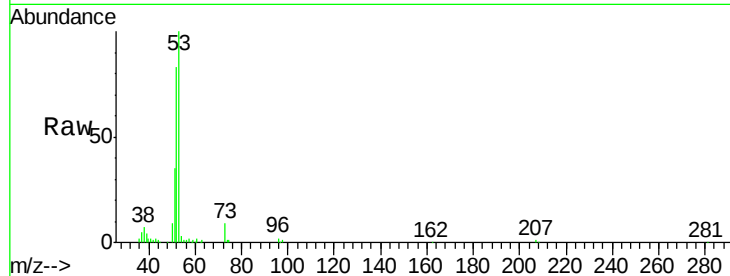
ClientSampleId :

VY0720SBS01

Tot Ion:	53	Resp:	113983
Ion	Ratio	Lower	Upper
53	100		
52	84.2	65.8	98.6
51	36.7	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 129.598 ug/l

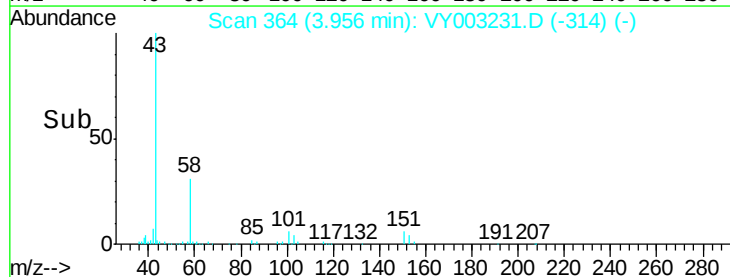
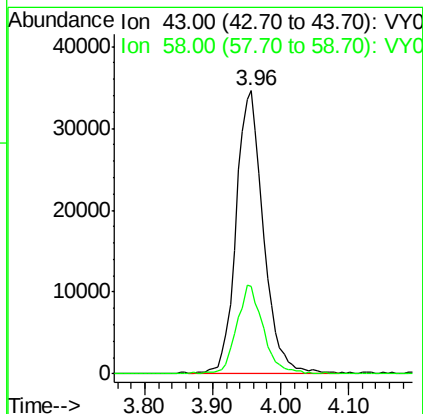
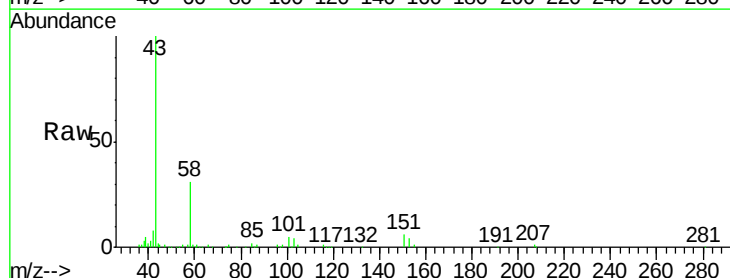
RT: 3.96 min Scan# 364

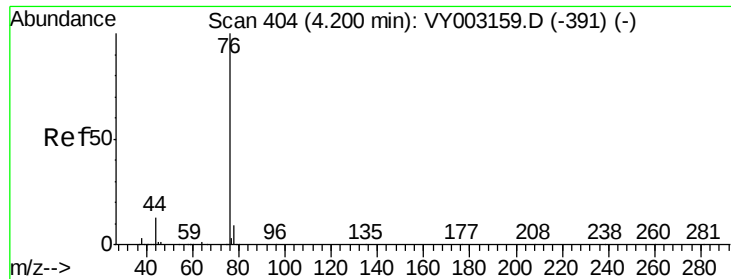
Delta R.T. 0.01 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Tgt Ion:	43	Resp:	96776
Ion	Ratio	Lower	Upper
43	100		
58	30.9	23.8	35.6





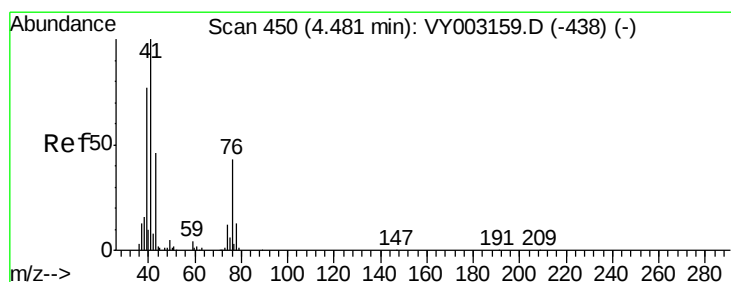
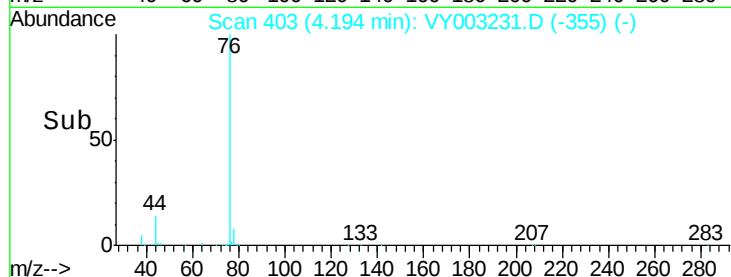
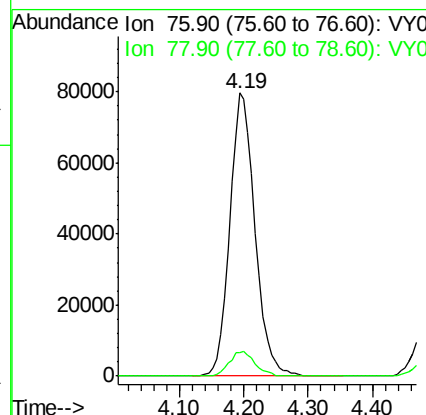
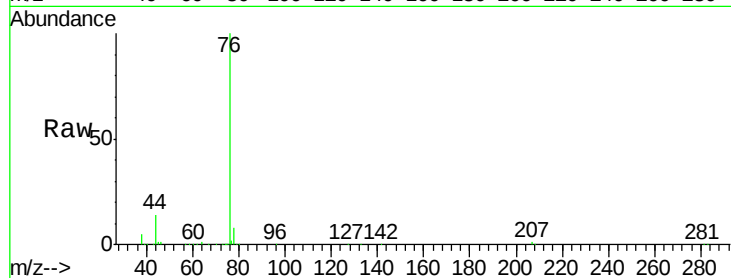
#17
Carbon Disulfide
Concen: 21.631 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.3	10.9

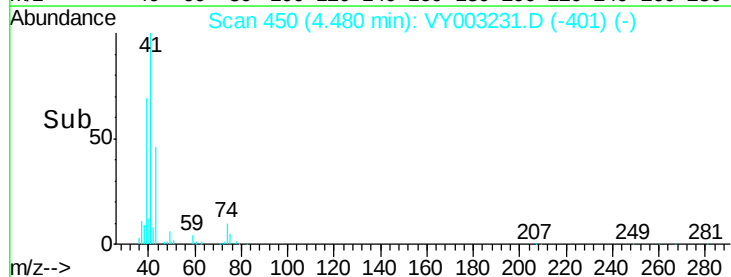
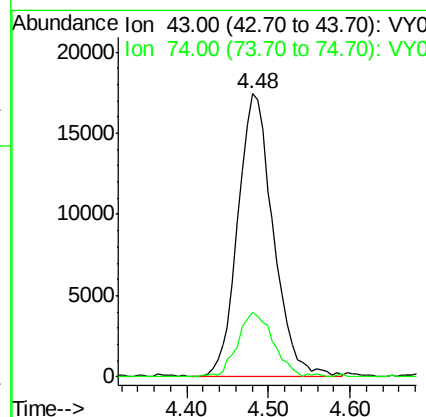
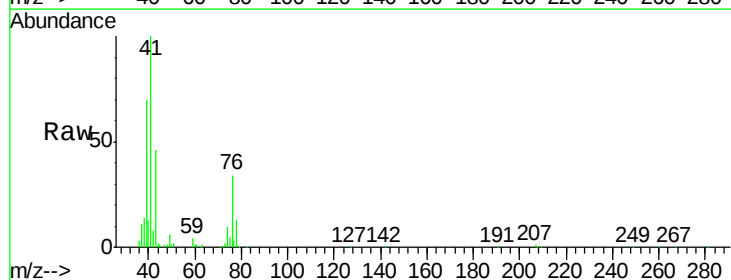
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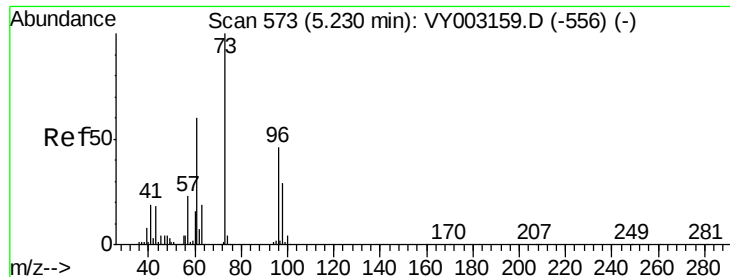
MMDadoda
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#18
Methyl Acetate
Concen: 25.313 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	20.8	31.2





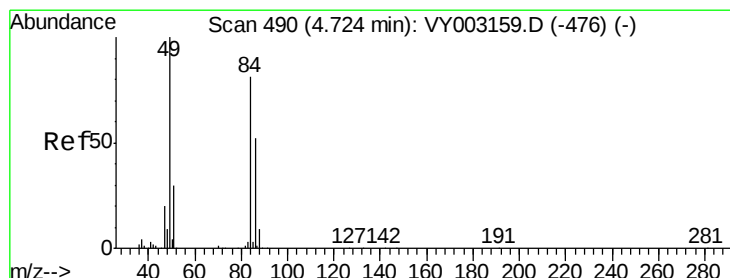
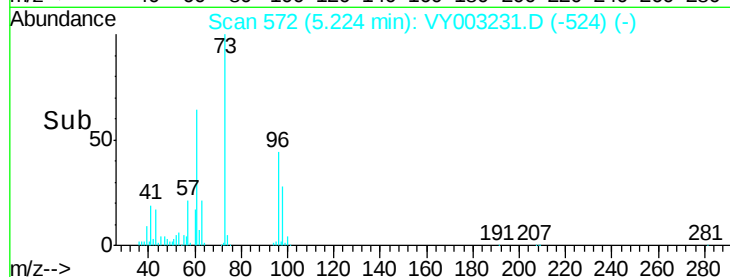
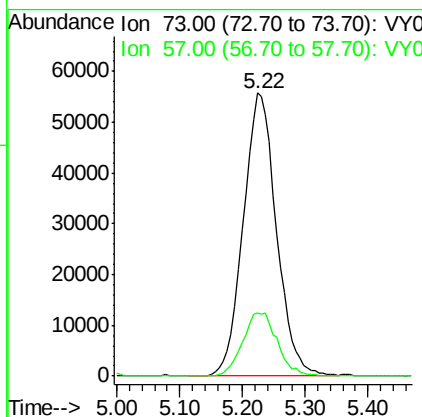
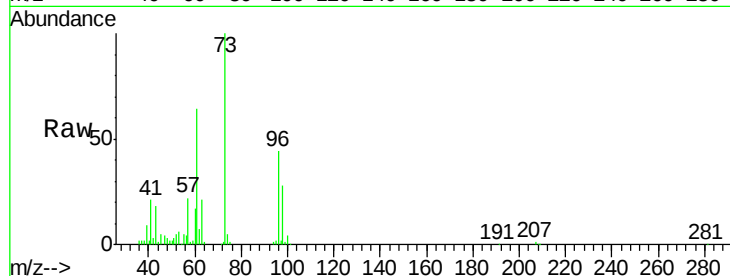
#19
Methvl tert-butvl Ether
Concen: 22.030 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	73	Resp	203483
Ion Ratio	73	100	Lower Upper
	57	22.3	18.1 27.1

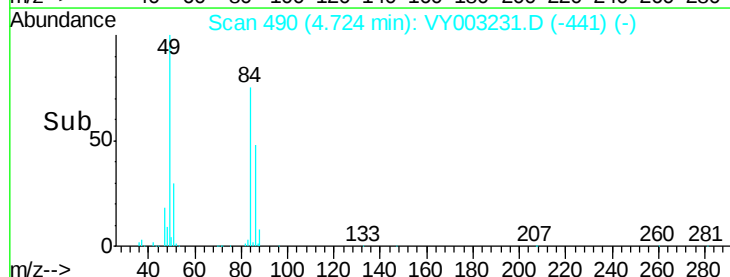
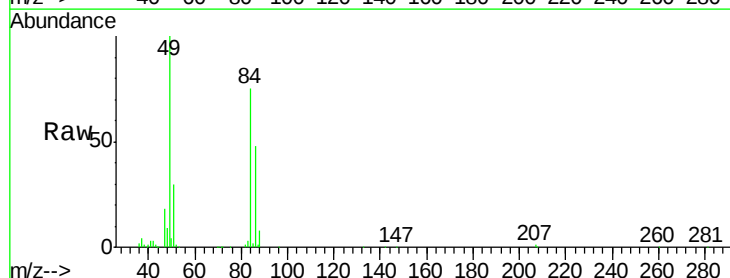
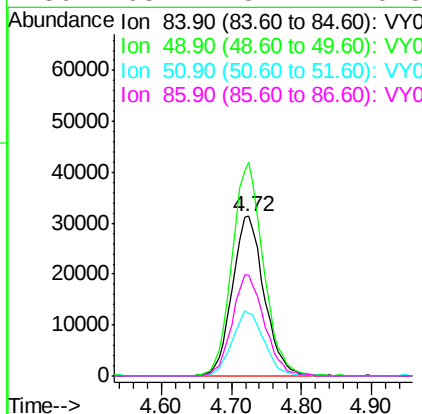
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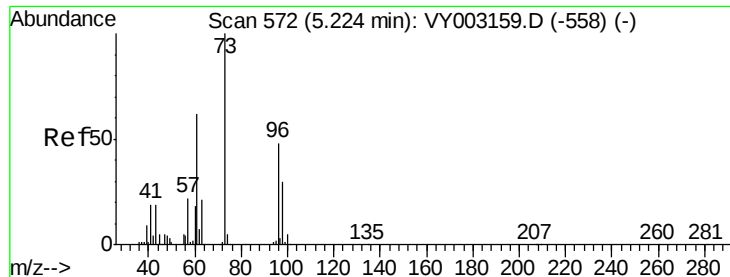
MMDadoda
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#20
Methylene Chloride
Concen: 23.552 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	84	Resp	99408
Ion Ratio	84	100	Lower Upper
	49	133.7	98.2 147.4
	51	39.6	29.8 44.6
	86	63.7	51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.812 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 96 Resp: 77585

Ion Ratio Lower Upper

96 100

61 144.2 102.5 153.7

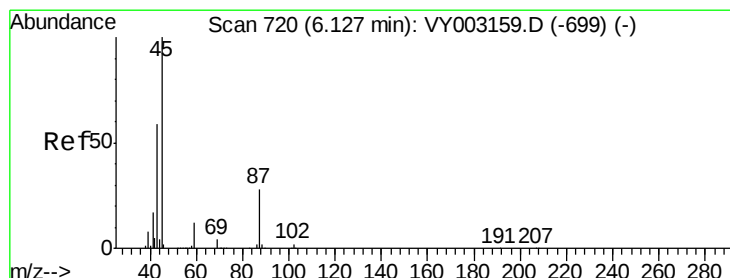
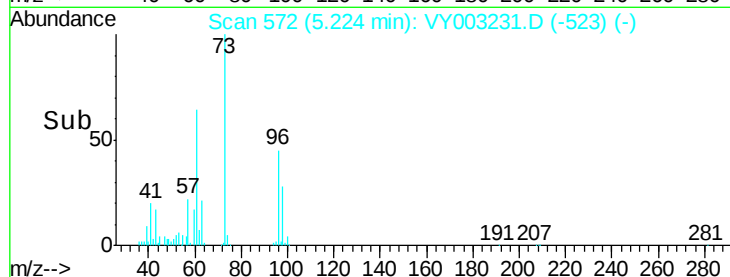
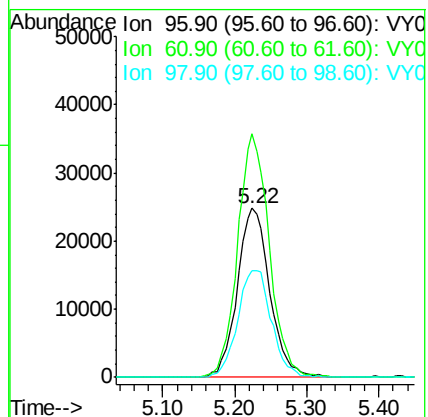
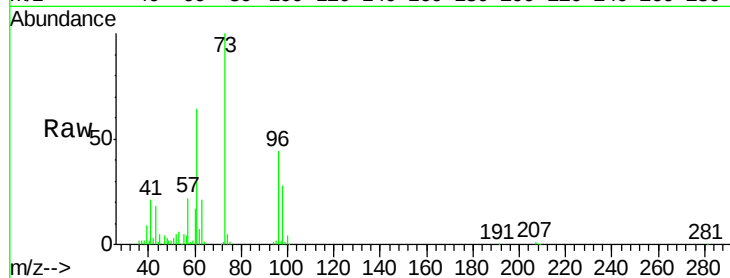
98 62.9 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 24.583 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Tgt Ion: 45 Resp: 266829

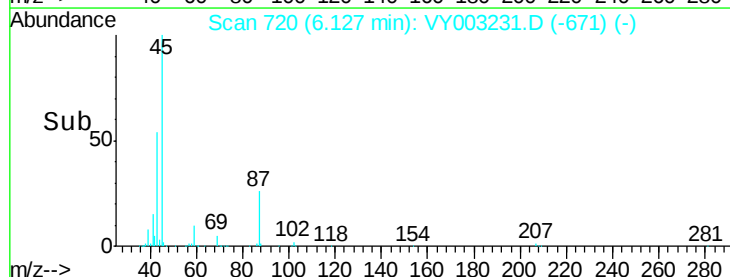
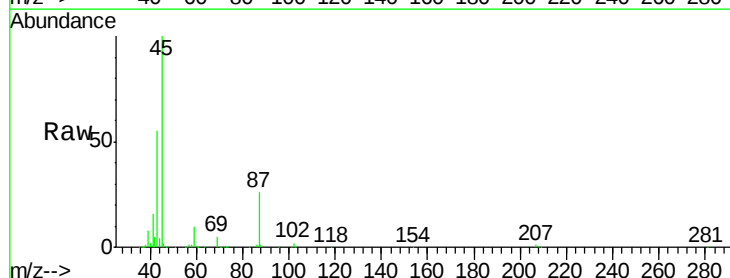
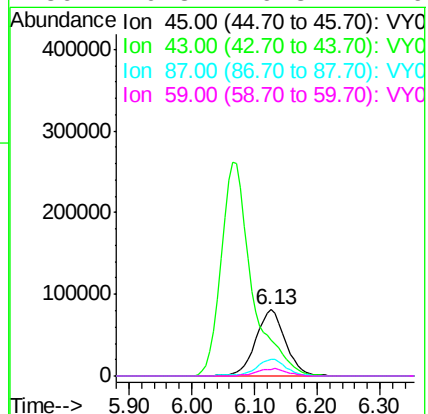
Ion Ratio Lower Upper

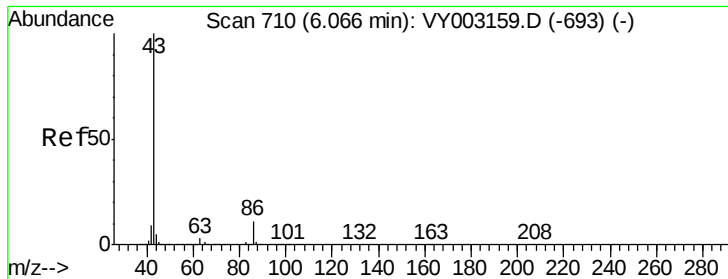
45 100

43 54.1 47.0 70.4

87 25.6 22.6 33.8

59 10.3 9.8 14.6





#23

Vinyl Acetate

Concen: 122.519 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 43 Resp: 886365

Ion Ratio Lower Upper

43 100

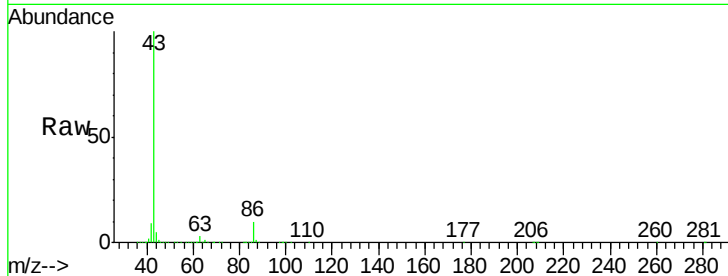
86 10.4 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

250000

200000

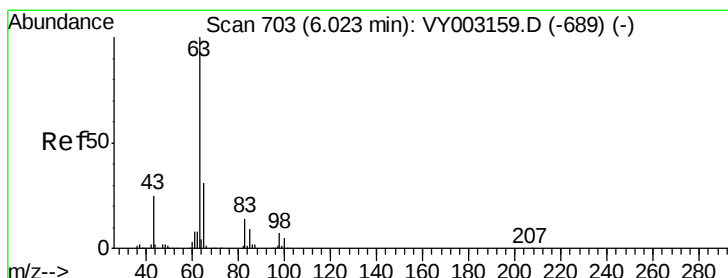
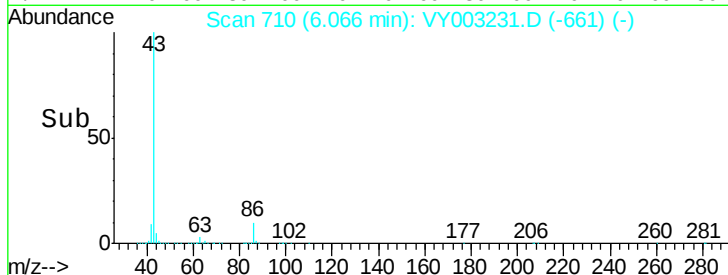
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.654 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.01 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

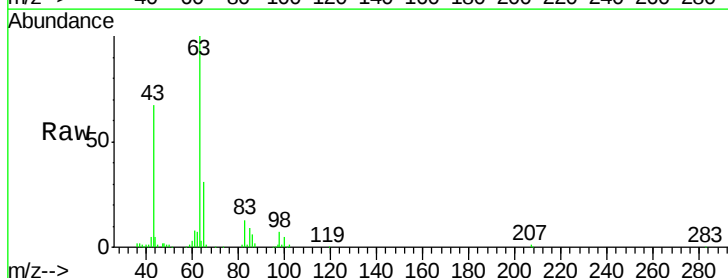
Tgt Ion: 63 Resp: 142452

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 5.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

60000

50000

40000

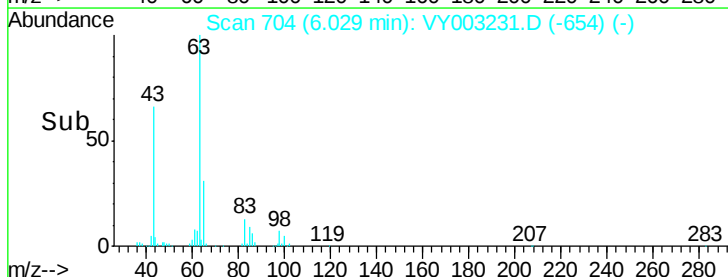
30000

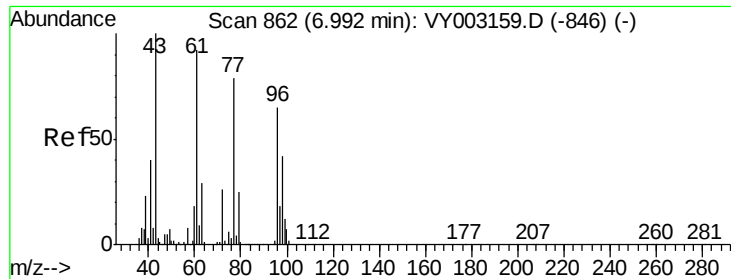
20000

10000

0

Time-->





#25

2-Butanone

Concen: 127.286 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 43 Resp: 156063

Ion Ratio Lower Upper

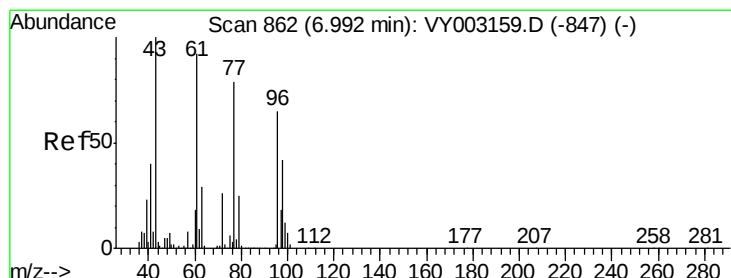
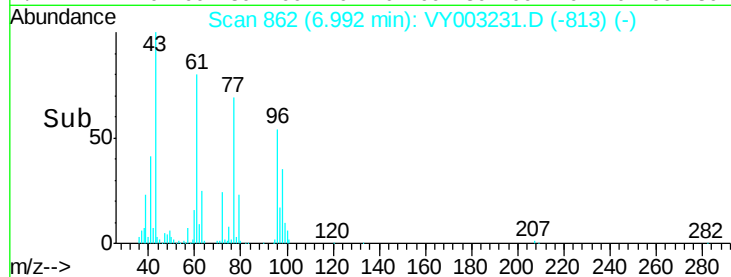
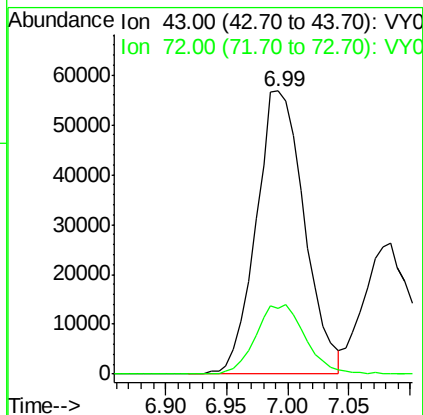
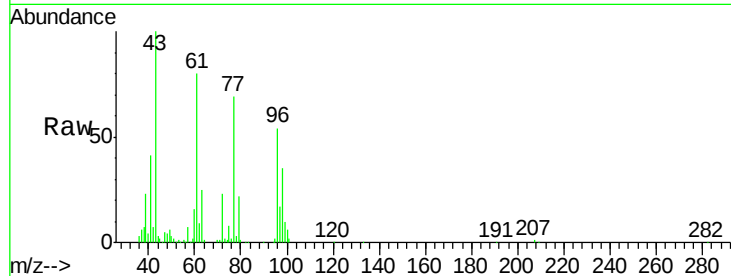
43 100

72 23.5 20.9 31.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 22.136 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003231.D

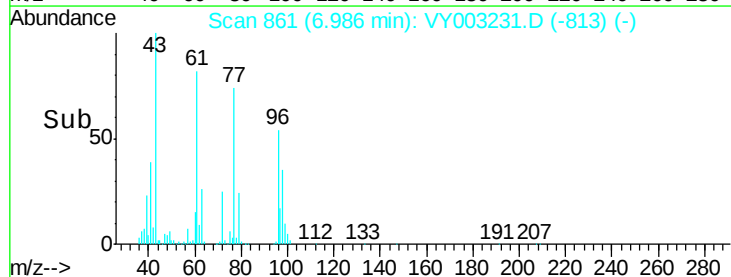
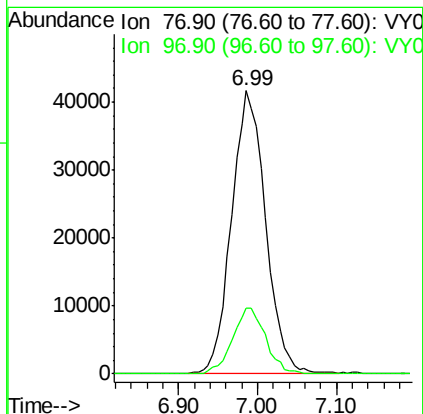
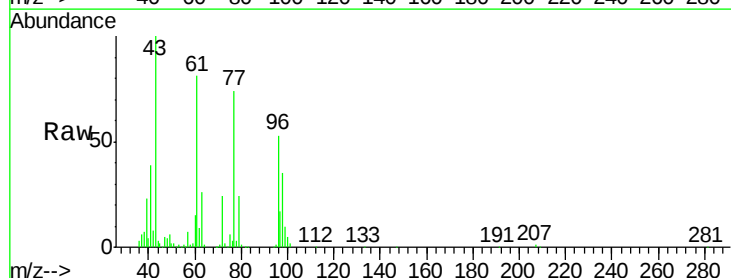
Acq: 20 Jul 2020 15:03

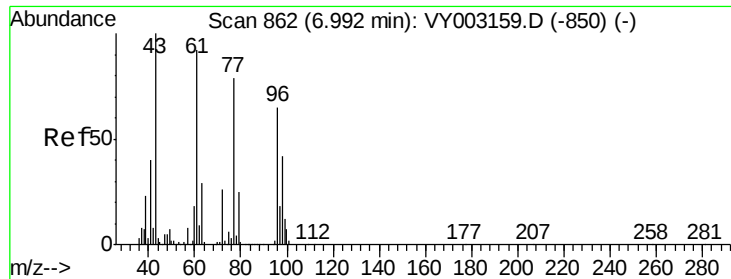
Tgt Ion: 77 Resp: 125358

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7





#27

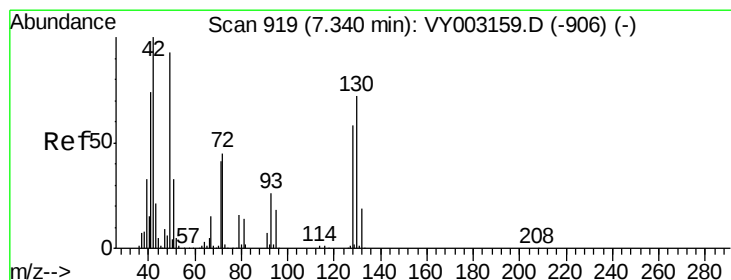
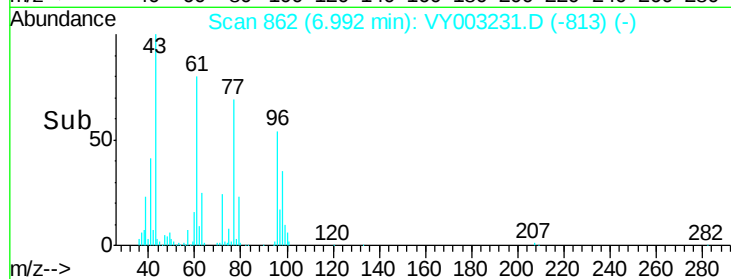
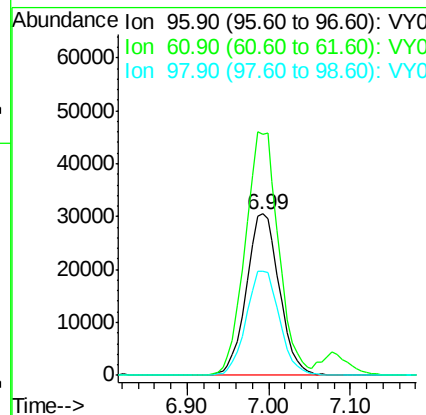
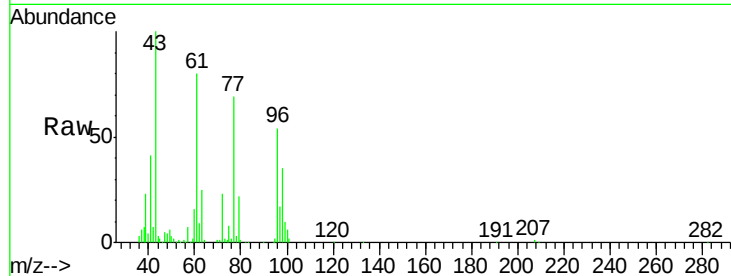
cis-1,2-Dichloroethene
Concen: 20.965 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	281.2
98	65.2	0.0	129.8

Manual Integrations
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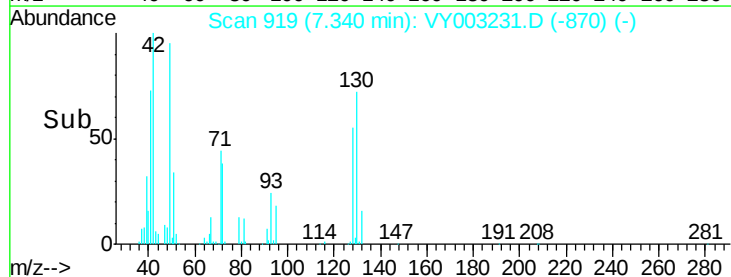
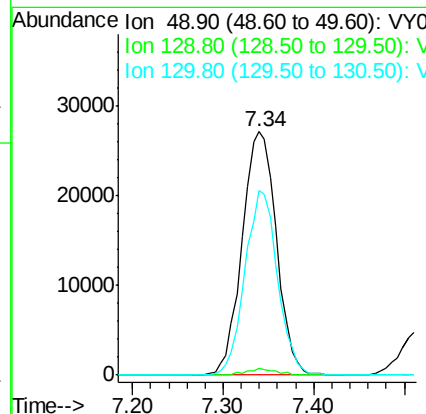
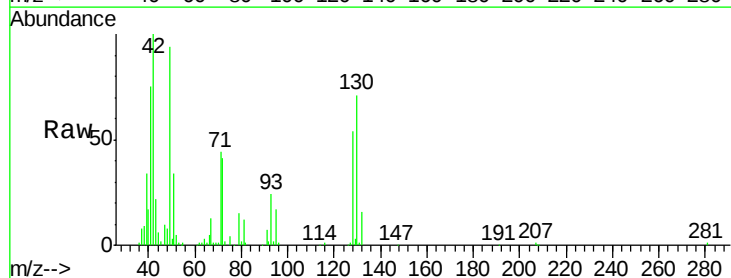
MMDadoda
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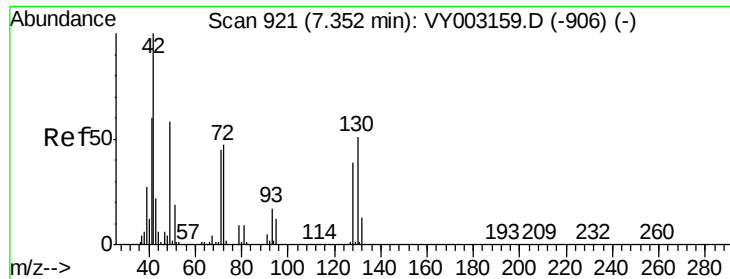


#28

Bromochloromethane
Concen: 26.018 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	72.1	64.9	97.3





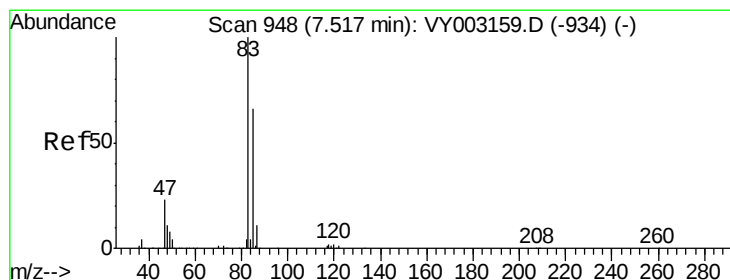
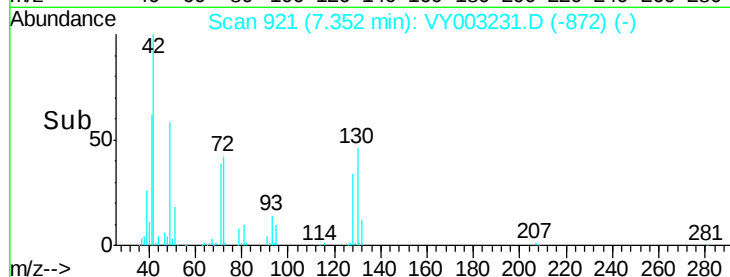
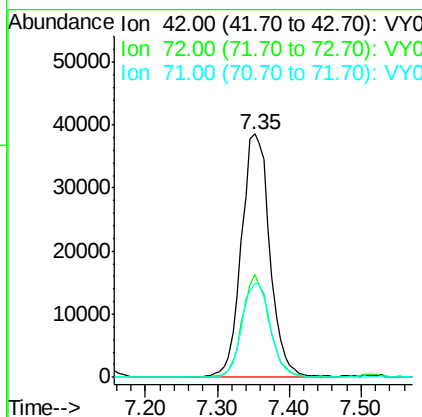
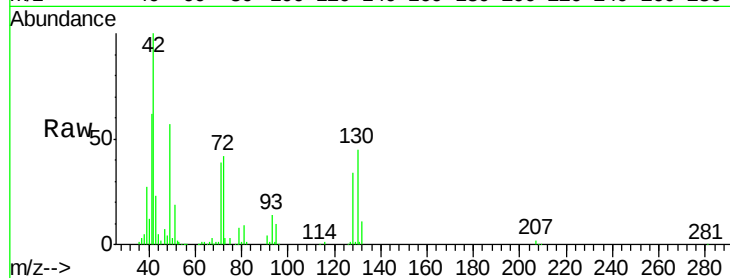
#29
Tetrahydrofuran
Concen: 128.633 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	36.7	55.1
71	38.8	34.2	51.4

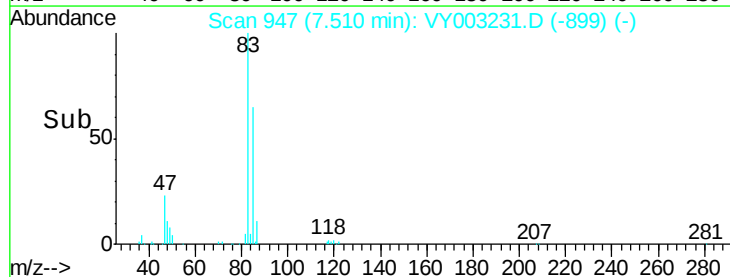
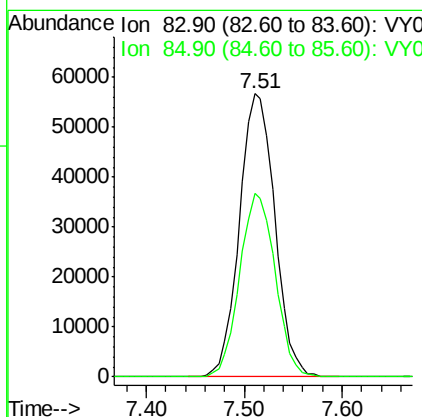
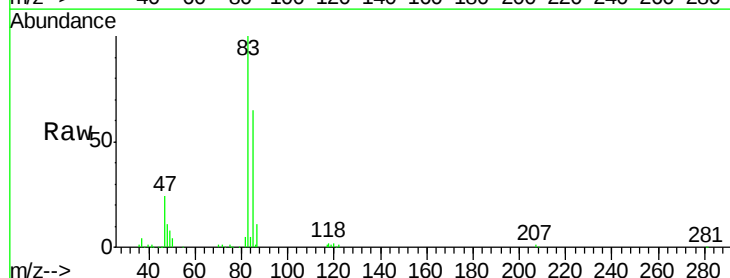
Manual Integrations
APPROVED

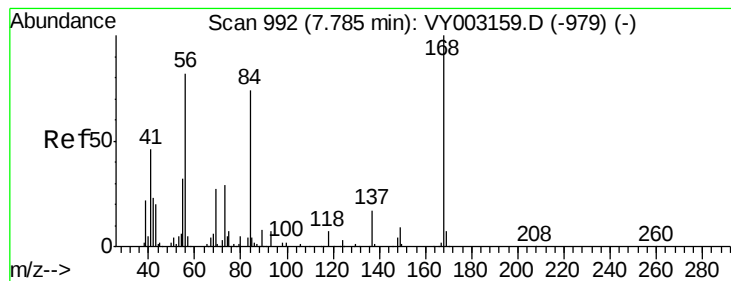
MMDadoda
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#30
Chloroform
Concen: 22.061 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8





#31

Cyclohexane

Concen: 22.553 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 56 Resp: 137138

Ion Ratio Lower Upper

56 100

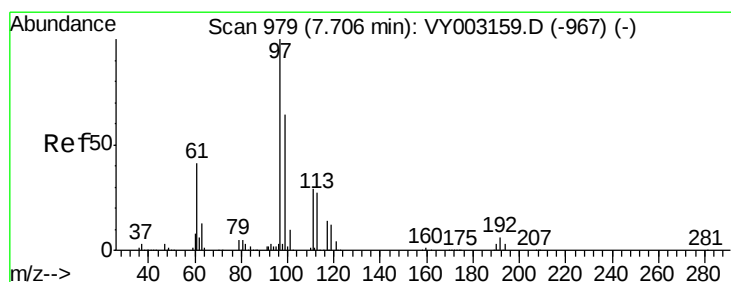
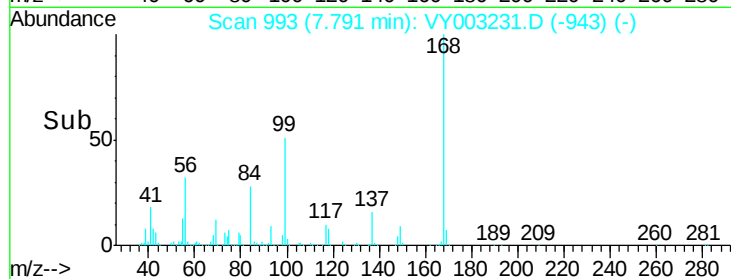
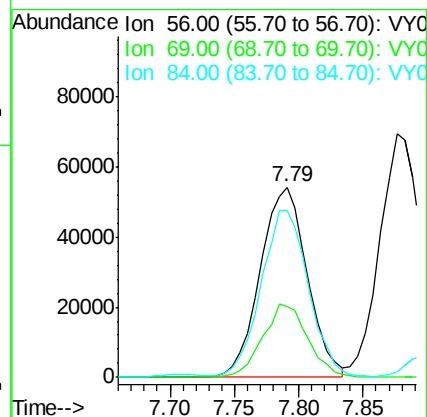
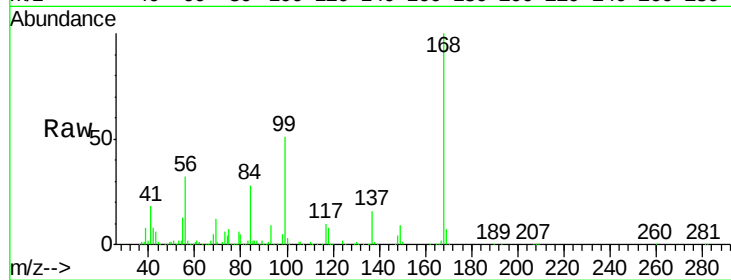
69 37.2 26.7 40.1

84 86.1 72.3 108.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.409 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

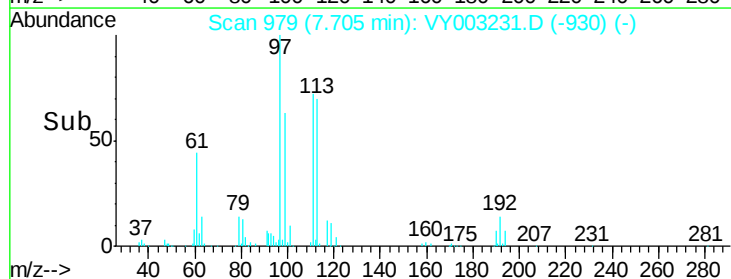
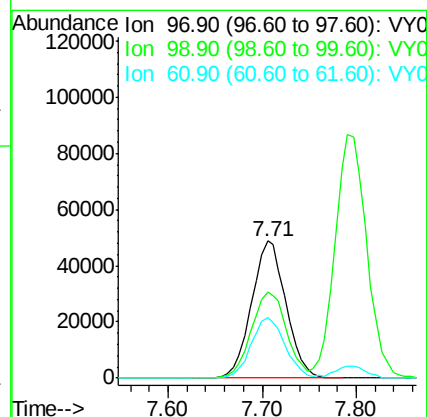
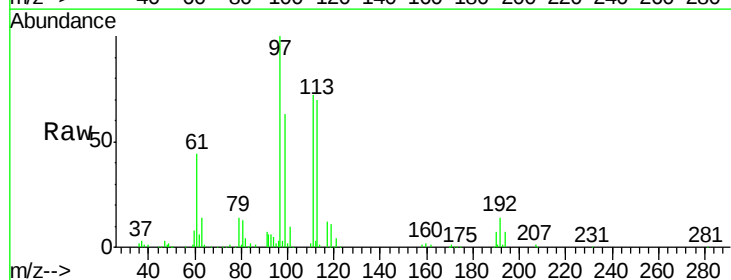
Tgt Ion: 97 Resp: 124827

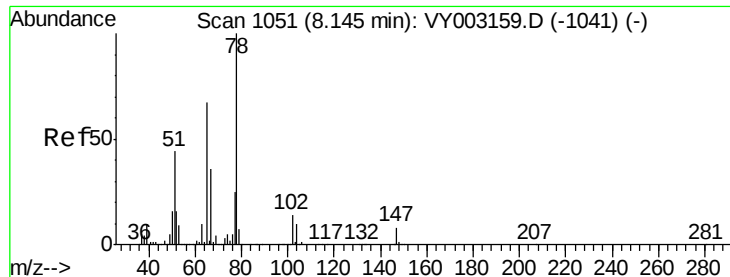
Ion Ratio Lower Upper

97 100

99 64.7 52.1 78.1

61 43.6 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 55.048 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 65 Resp: 184030

Ion Ratio Lower Upper

65 100

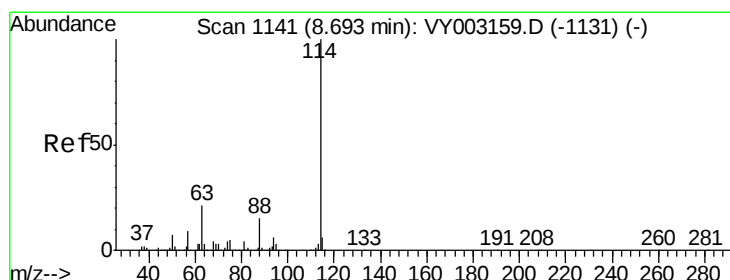
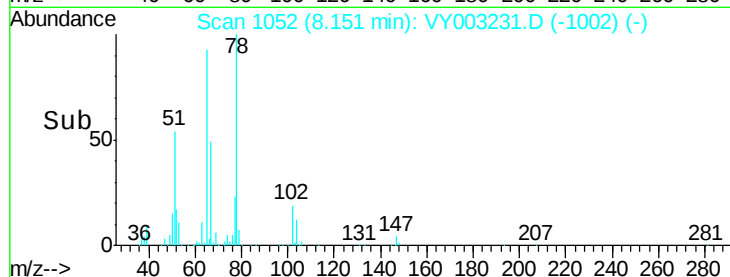
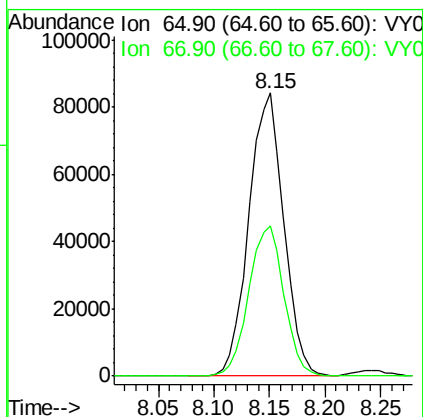
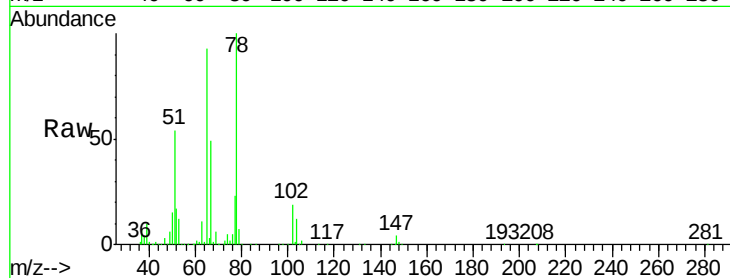
67 53.6 0.0 105.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

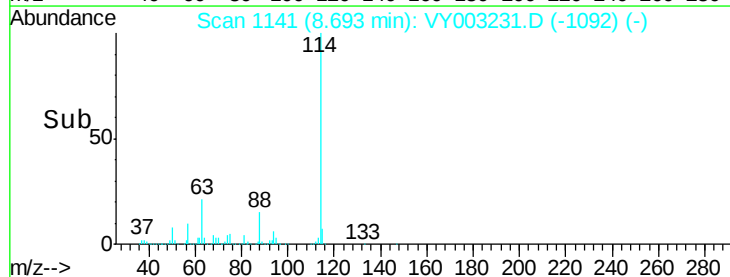
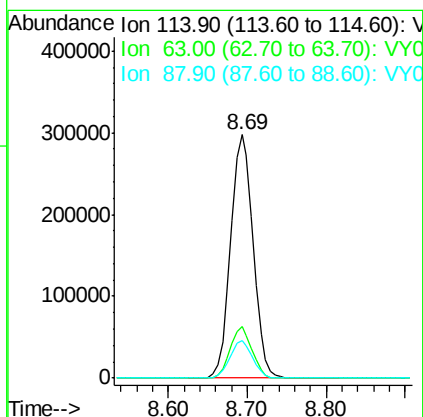
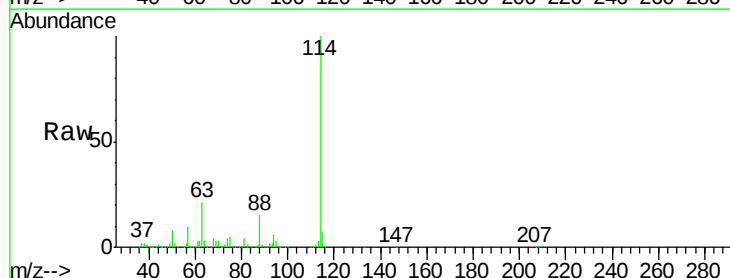
Tgt Ion: 114 Resp: 588681

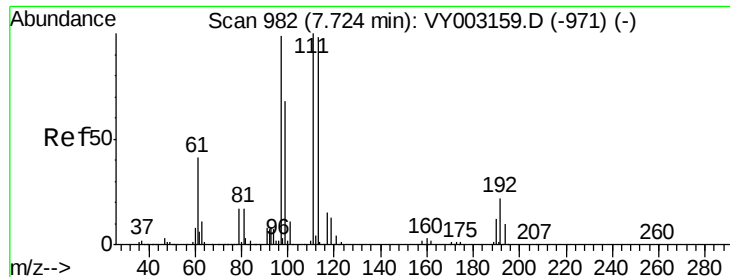
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.2

88 15.2 0.0 30.2





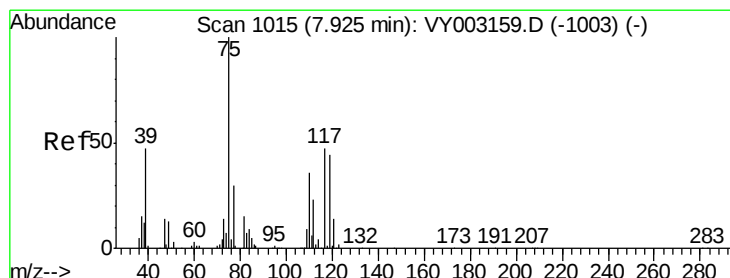
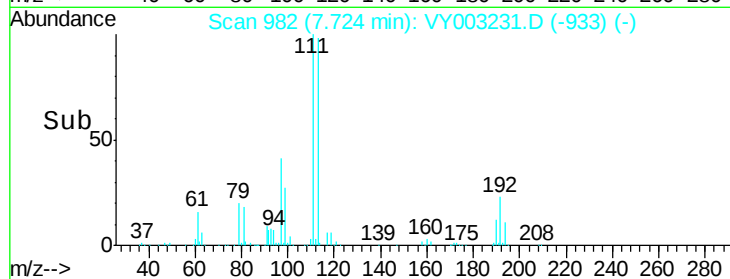
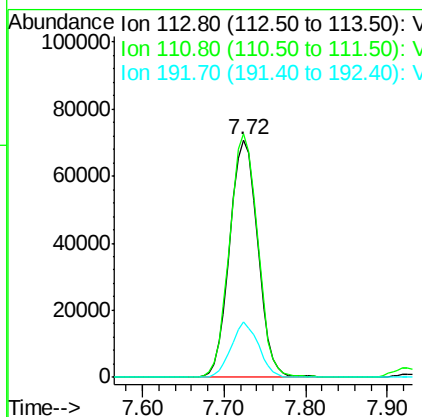
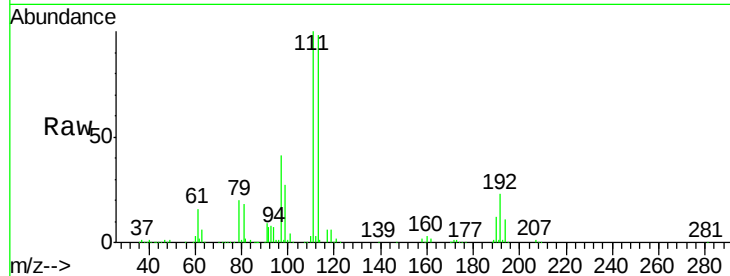
#35
 Dibromofluoromethane
 Concen: 49.722 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	22.6	18.8	28.2

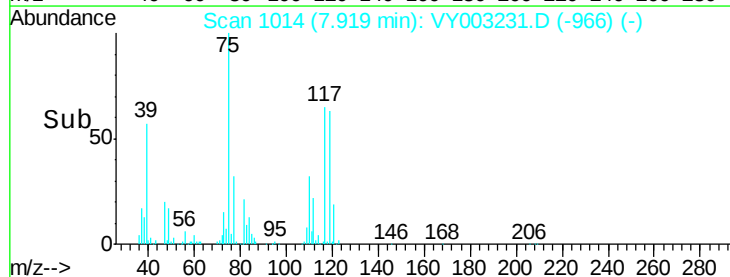
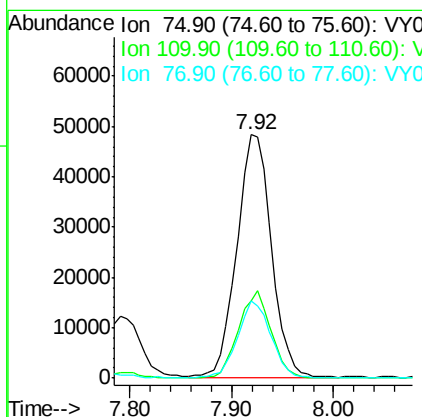
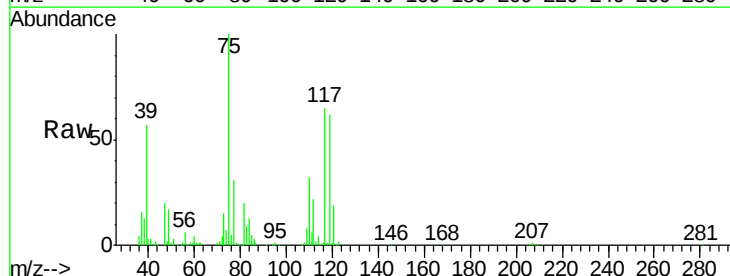
Manual Integrations
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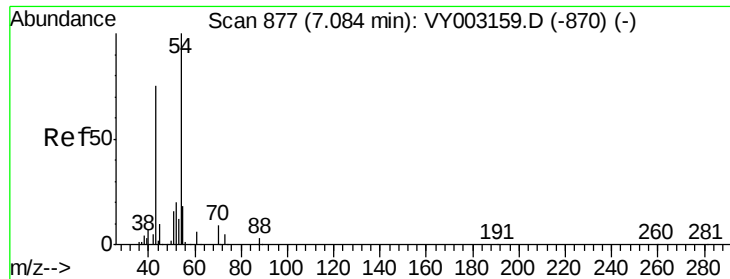
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#36
 1,1-Dichloropropene
 Concen: 21.284 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	18.1	54.1
77	31.2	24.8	37.2





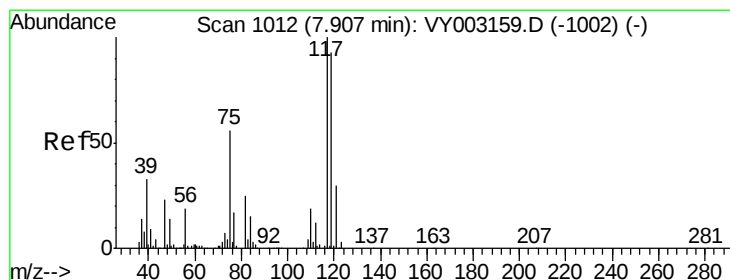
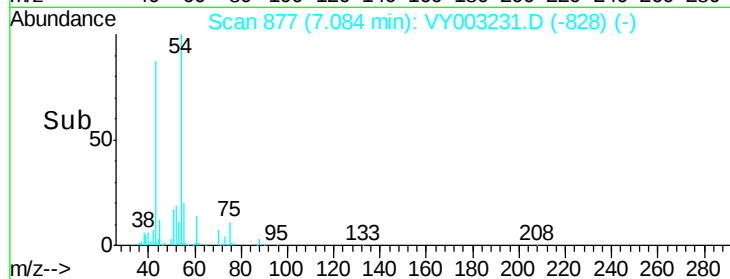
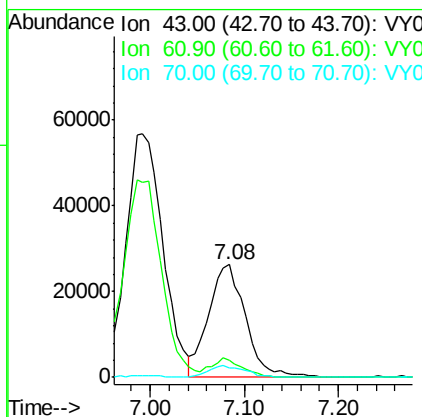
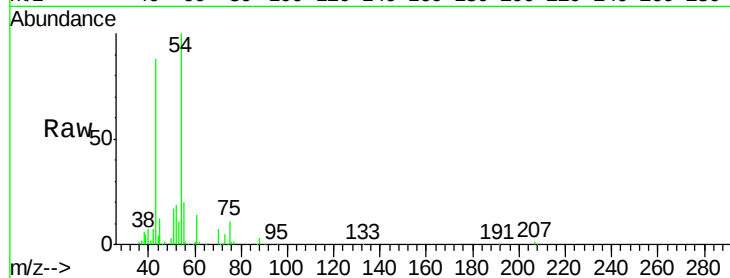
#37
Ethyl Acetate
Concen: 24.698 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.6
70	10.5	8.6	13.0

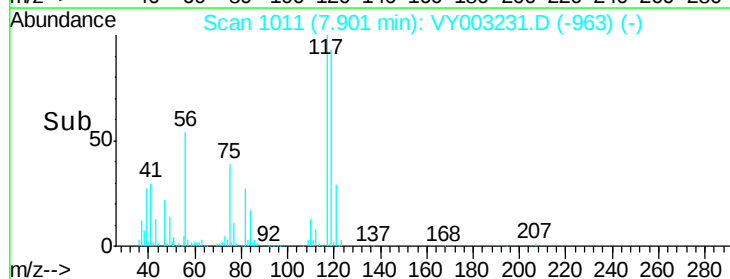
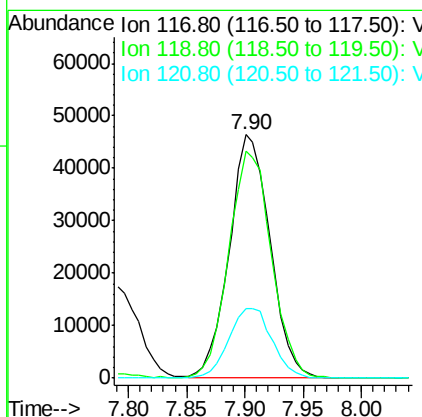
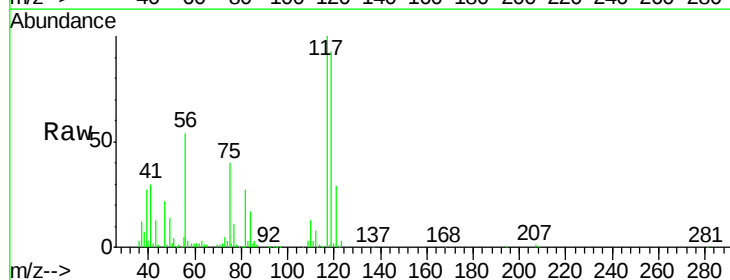
Manual Integrations
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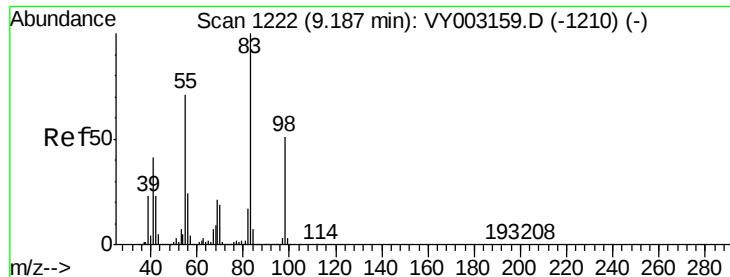
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#38
Carbon Tetrachloride
Concen: 20.590 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	74.5	111.7
121	28.7	24.2	36.2





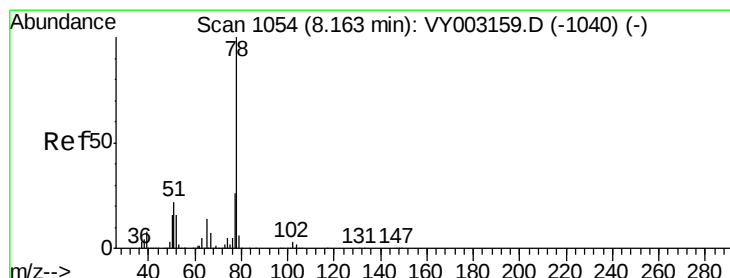
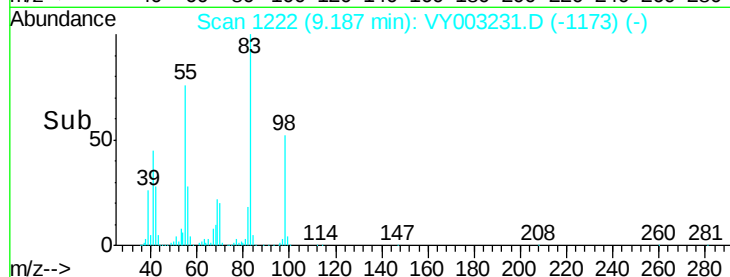
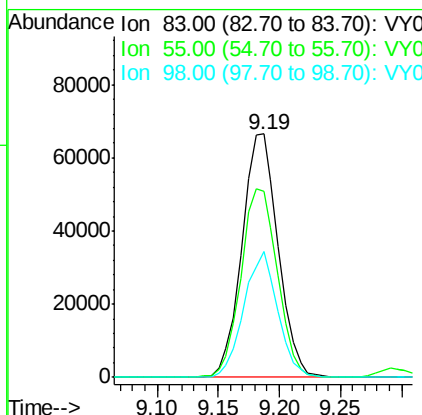
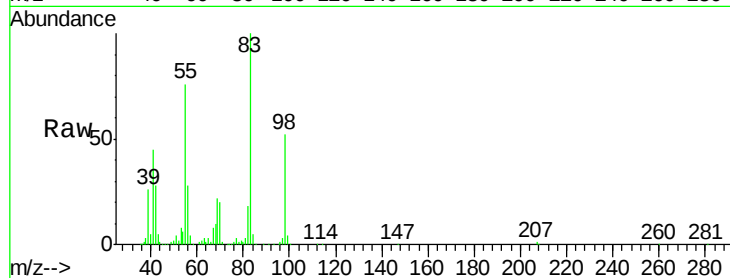
#39
Methvlcvclohexane
Concen: 20.352 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	57.2	85.8
98	51.8	41.0	61.6

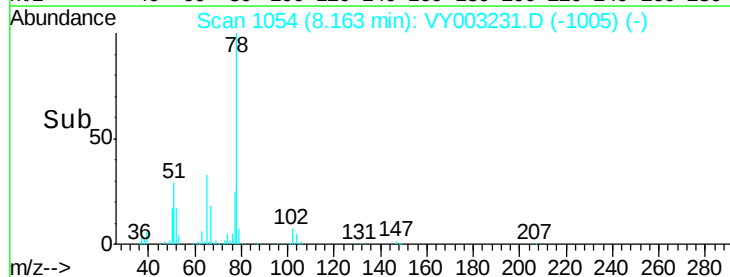
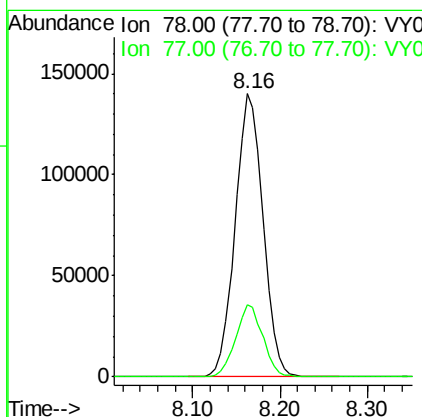
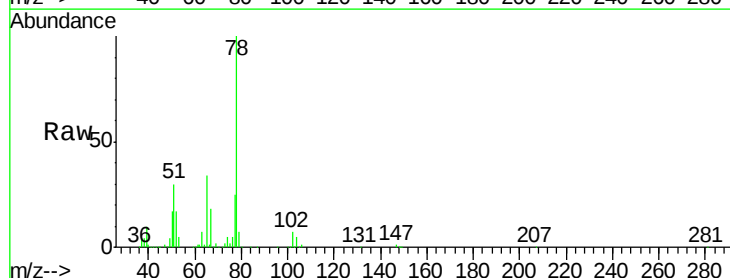
Manual Integrations
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#40
Benzene
Concen: 21.123 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	20.7	31.1





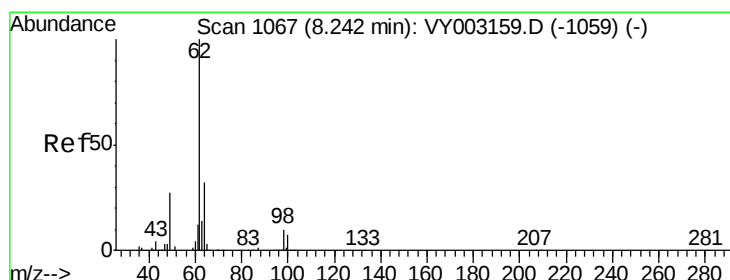
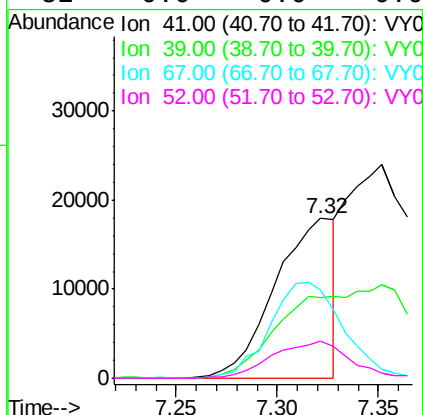
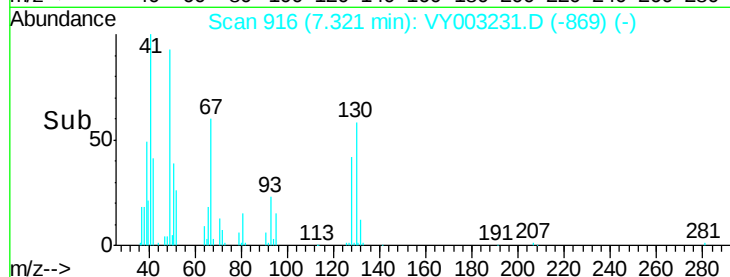
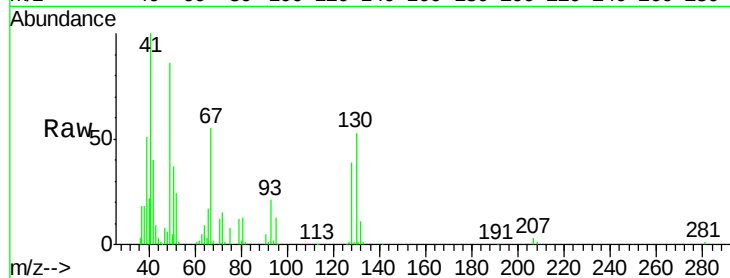
#41
Methacrylonitrile
Concen: 21.624 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	41	Resp:	37420
Ion	Ratio	Lower	Upper
41	100		
39	123.7	83.3	124.9
67	0.0	0.0	0.0
52	0.0	0.0	0.0

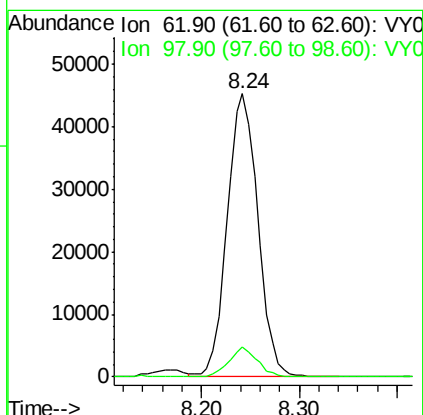
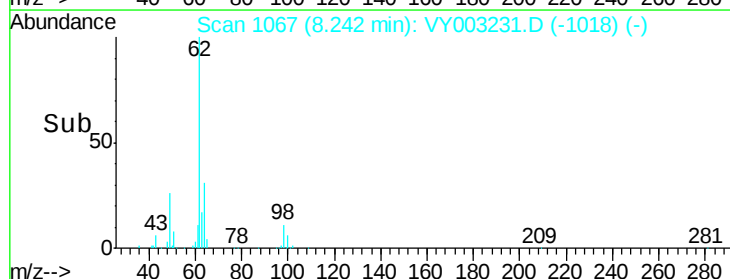
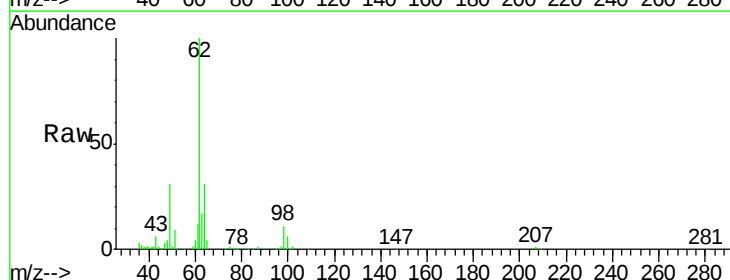
Manual Integrations
APPROVED

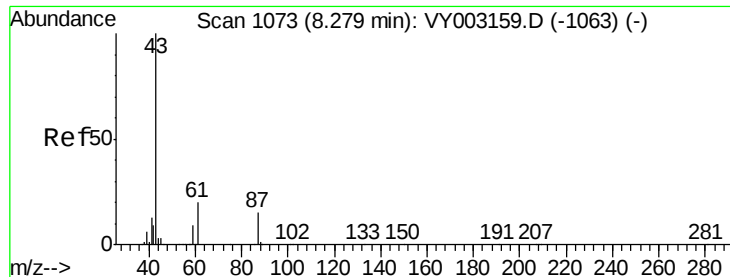
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#42
1,2-Dichloroethane
Concen: 21.786 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	62	Resp:	98532
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 23.599 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

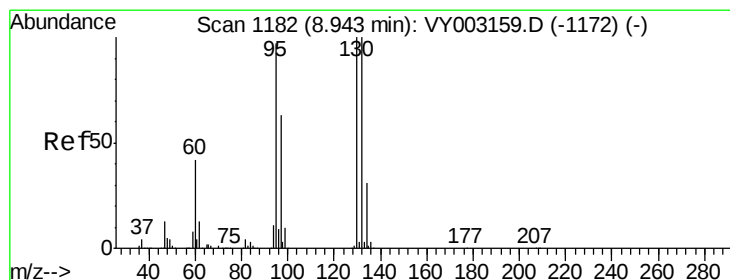
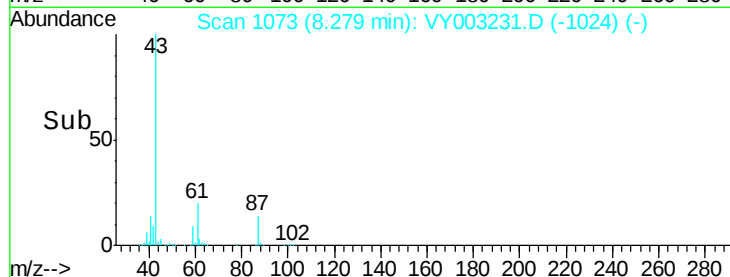
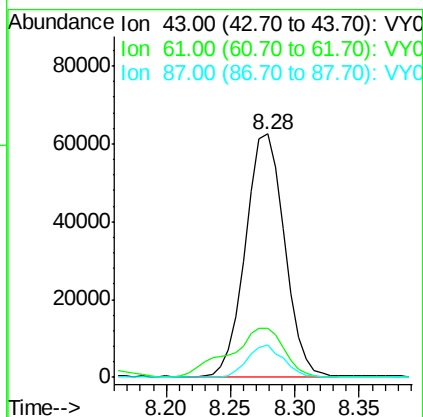
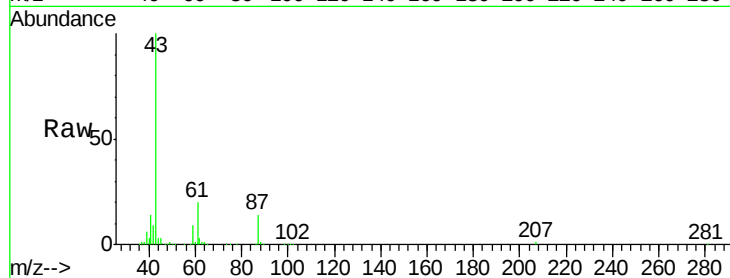
ClientSampleId :

VY0720SBS01

Tot Ion:	43	Resp:	131250
Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.7	35.5
87	12.6	11.4	17.0

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#44

Trichloroethene

Concen: 19.444 ug/l

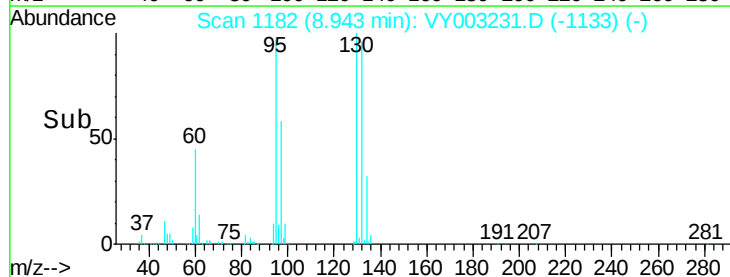
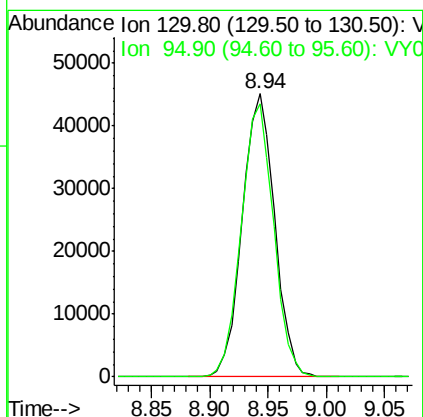
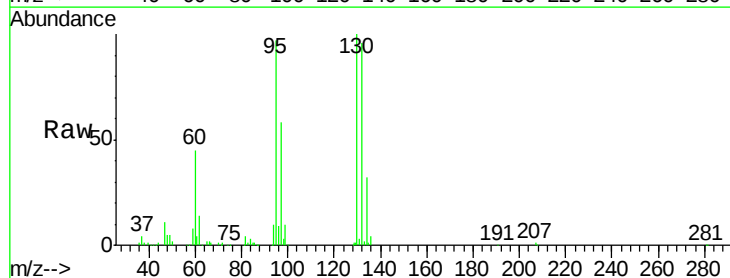
RT: 8.94 min Scan# 1182

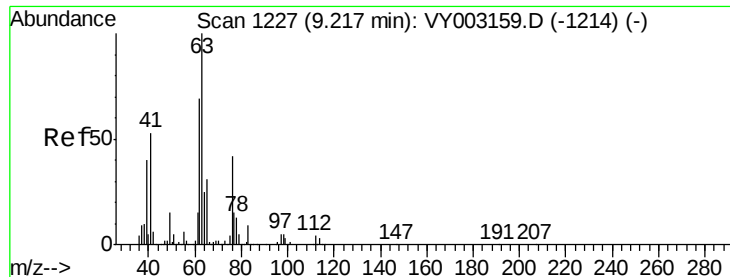
Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Tgt Ion:	130	Resp:	87567
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	193.8





#45

1,2-Dichloropropane

Concen: 21.858 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 63 Resp: 83090

Ion Ratio Lower Upper

63 100

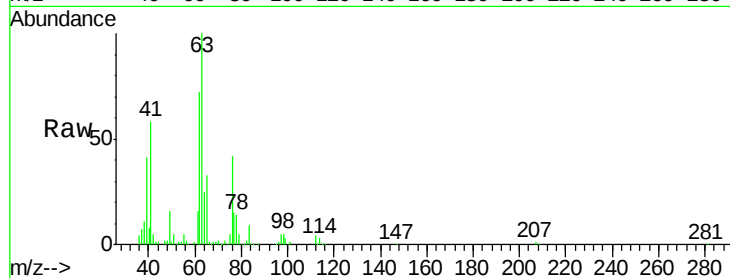
65 33.2 25.0 37.4

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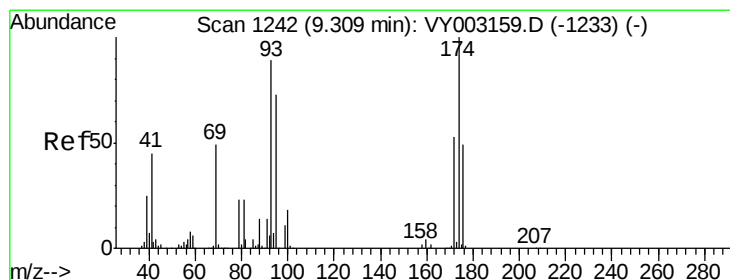
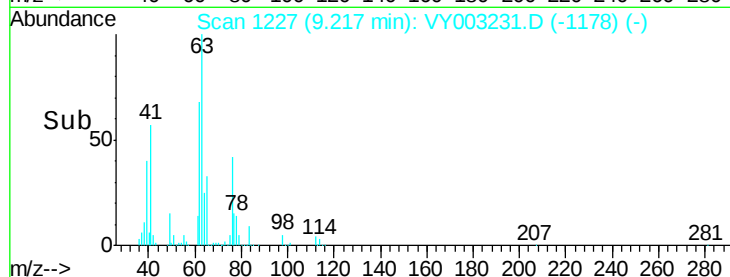
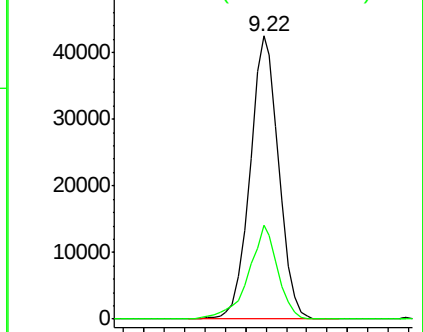
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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 21.086 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

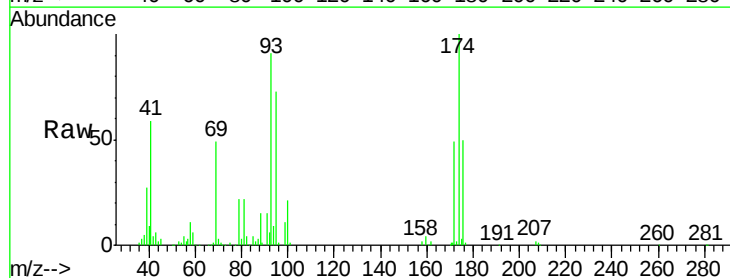
Tgt Ion: 93 Resp: 46816

Ion Ratio Lower Upper

93 100

95 84.5 66.6 99.8

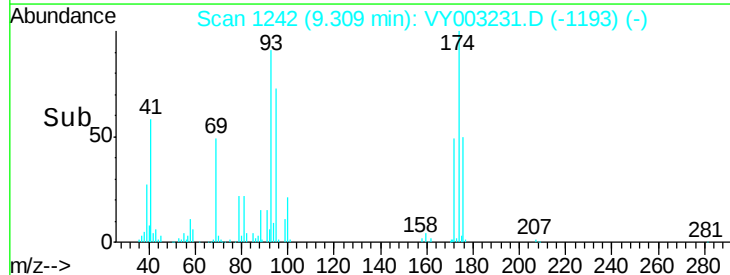
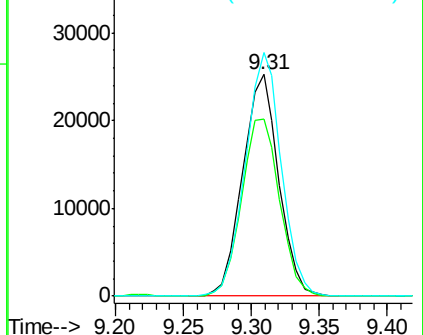
174 110.0 90.2 135.4

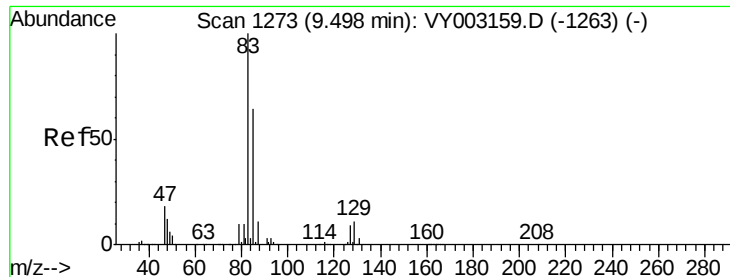


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.585 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

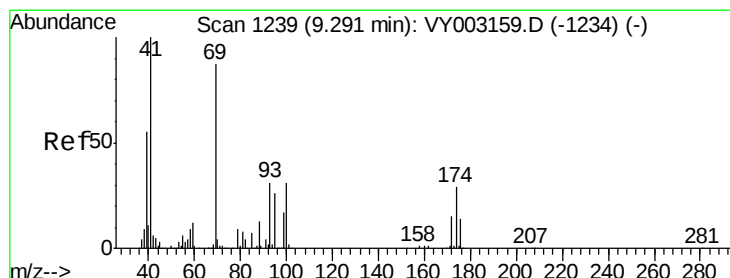
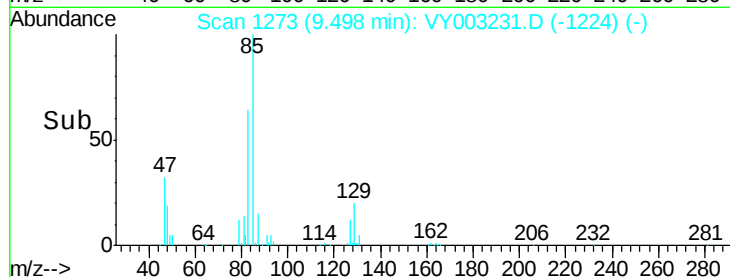
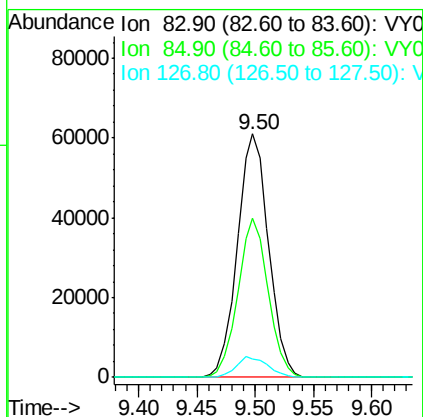
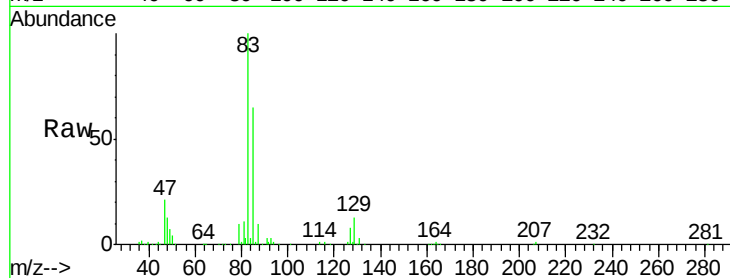
ClientSampleId :

VY0720SBS01

Tot Ion:	83	Resp:	113980
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3
127	7.7	7.0	10.4

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#48

Methyl methacrylate

Concen: 24.098 ug/l

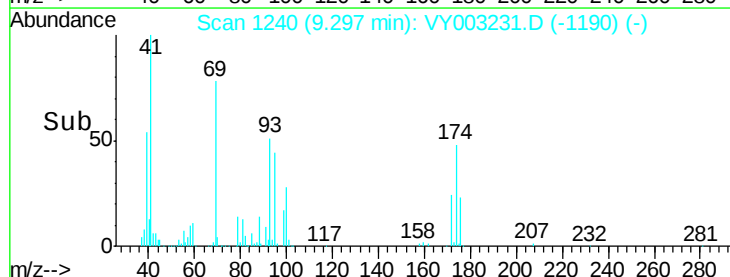
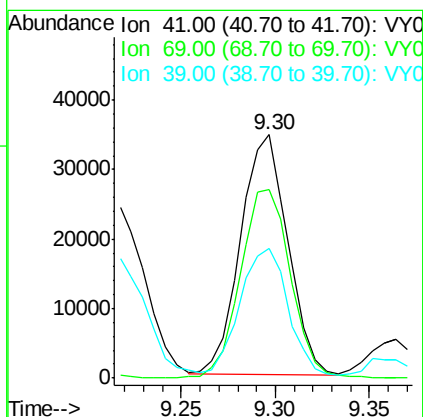
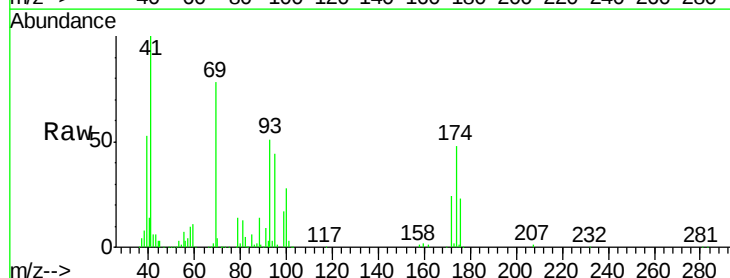
RT: 9.30 min Scan# 1240

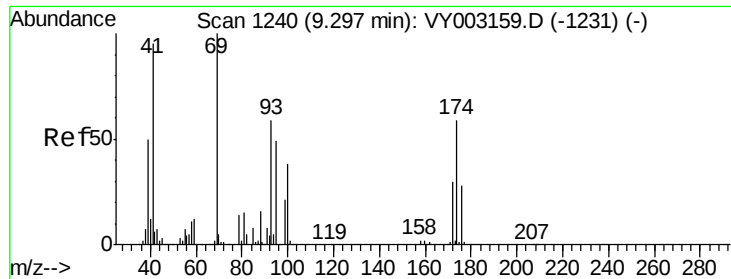
Delta R.T. 0.01 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Tgt Ion:	41	Resp:	59917
Ion	Ratio	Lower	Upper
41	100		
69	83.7	74.5	111.7
39	53.6	47.5	71.3





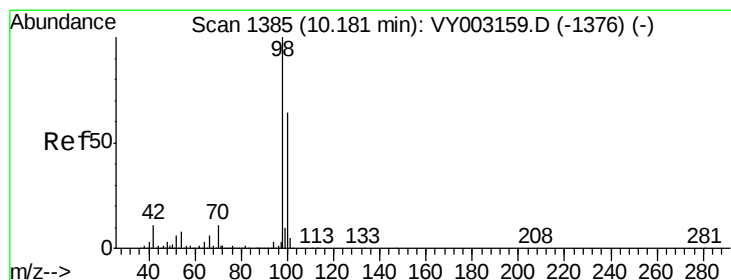
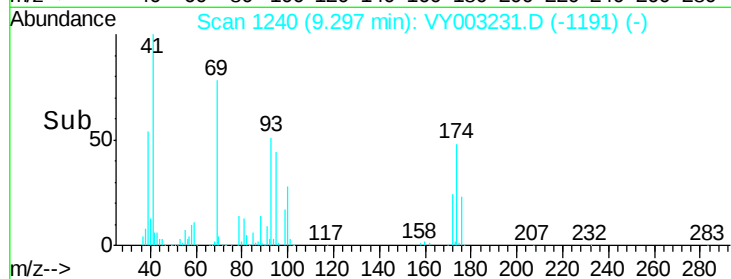
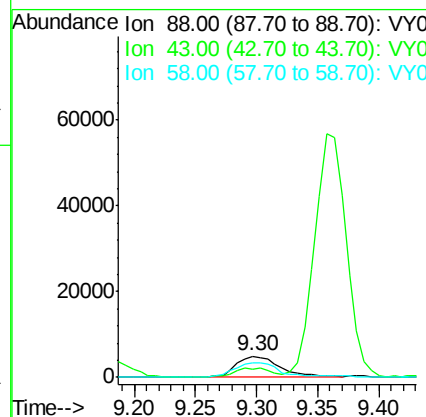
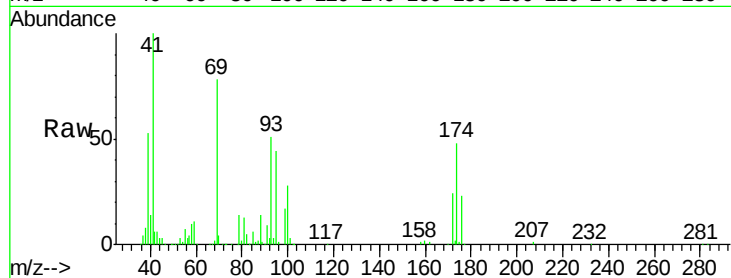
#49
1,4-Dioxane
Concen: 441.829 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	88	Resp	12450
Ion Ratio	Lower	Upper	
88	100		
43	38.8	25.6	38.4#
58	69.6	47.8	71.6

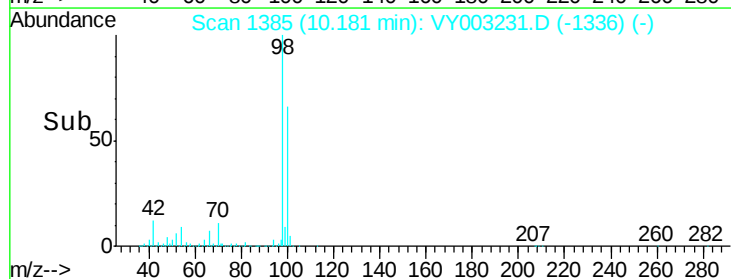
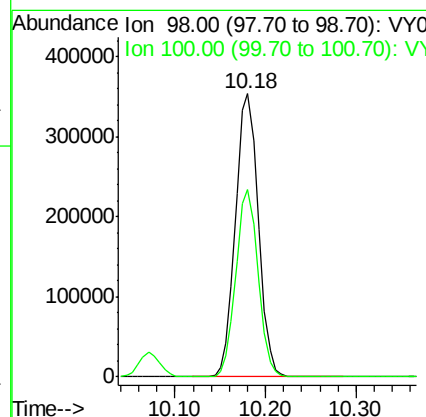
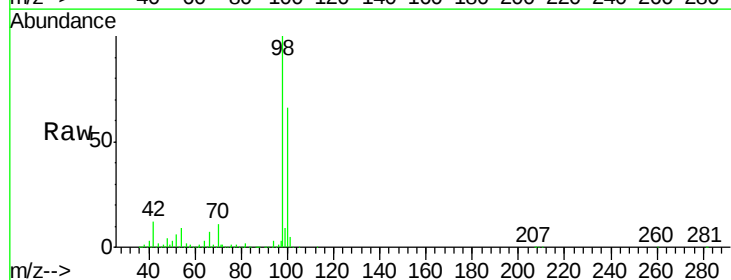
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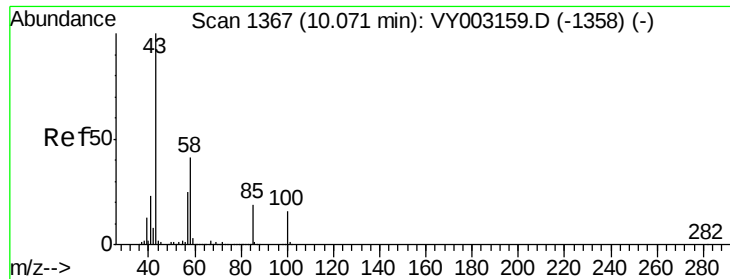
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#50
Toluene-d8
Concen: 49.218 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	98	Resp	619904
Ion Ratio	Lower	Upper	
98	100		
100	64.3	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 119.967 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 43 Resp: 346794

Ion Ratio Lower Upper

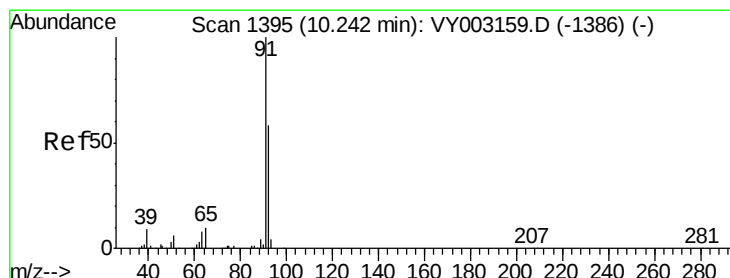
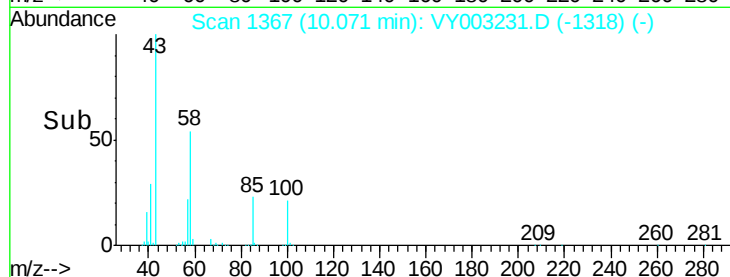
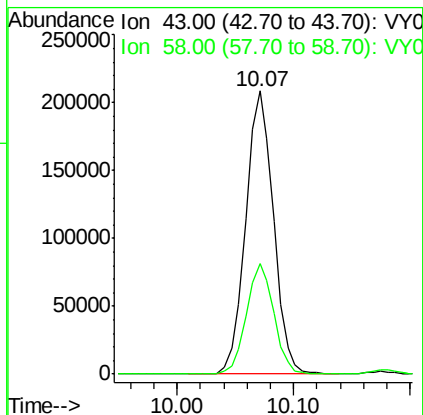
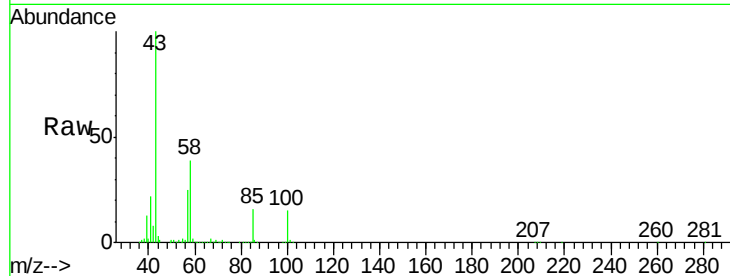
43 100

58 38.7 32.7 49.1

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#52

Toluene

Concen: 20.611 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003231.D

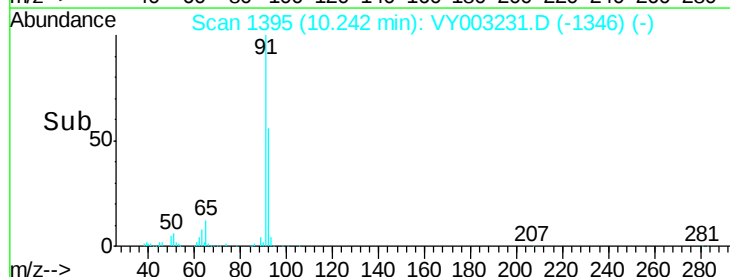
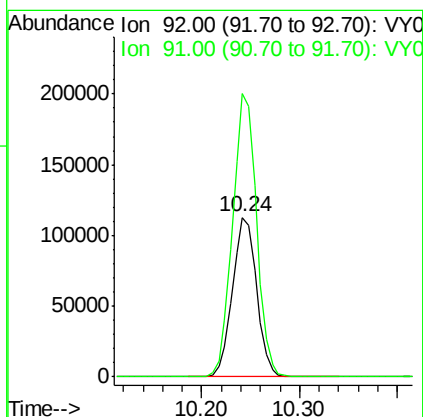
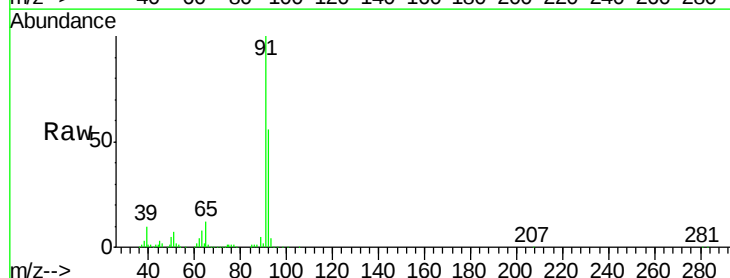
Acq: 20 Jul 2020 15:03

Tgt Ion: 92 Resp: 193537

Ion Ratio Lower Upper

92 100

91 175.8 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 21.799 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 75 Resp: 119263

Ion Ratio Lower Upper

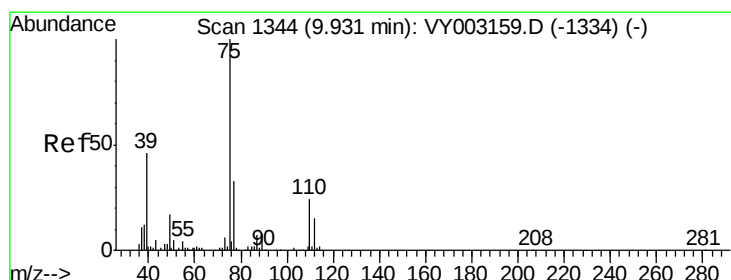
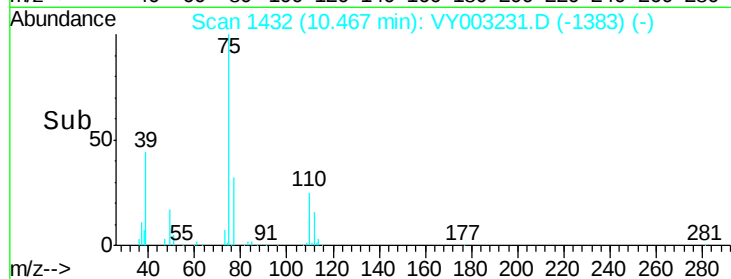
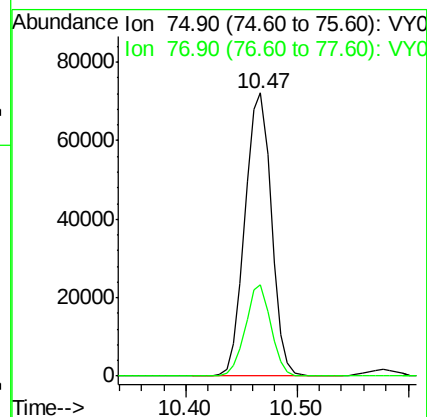
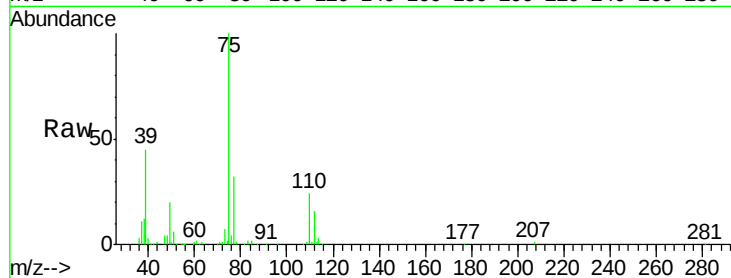
75 100

77 32.1 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 21.273 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

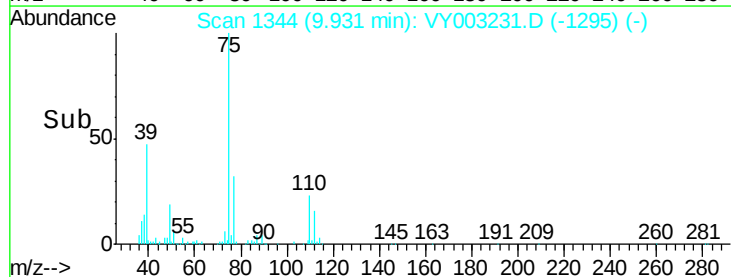
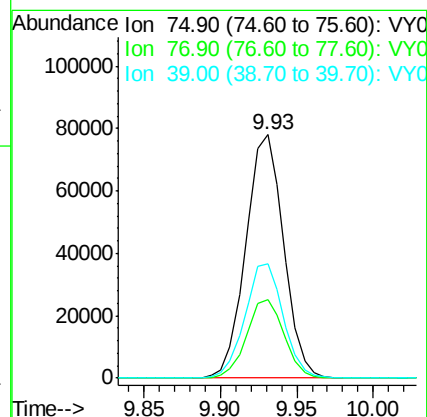
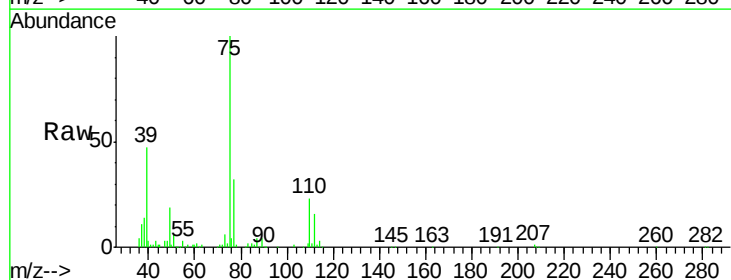
Tgt Ion: 75 Resp: 134095

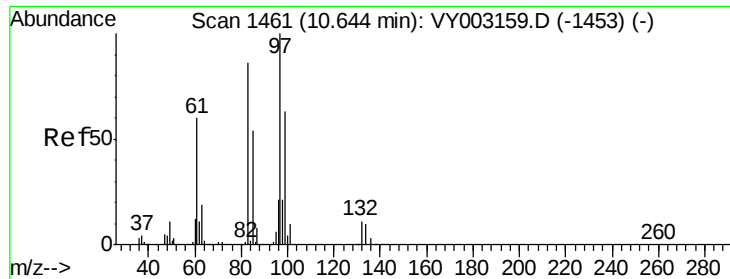
Ion Ratio Lower Upper

75 100

77 32.2 26.7 40.1

39 46.8 37.0 55.6





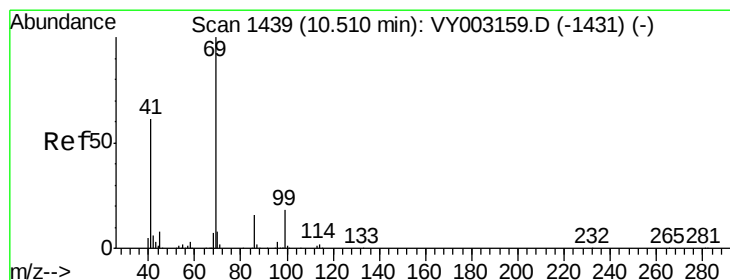
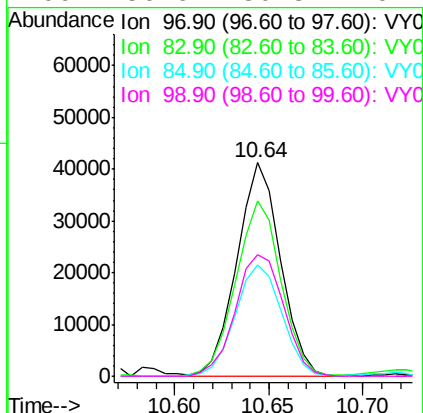
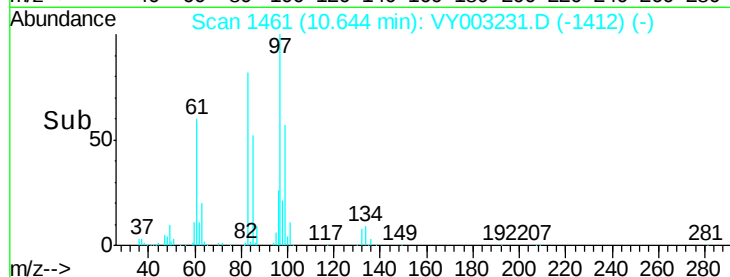
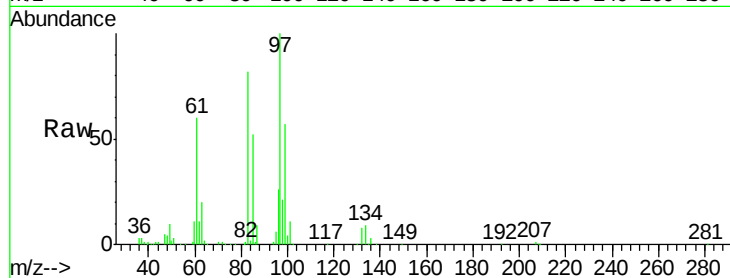
#55
 1,1,2-Trichloroethane
 Concen: 21.110 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion:	97	Resp:	66416
Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.8	103.2
85	51.8	43.1	64.7
99	56.6	50.8	76.2

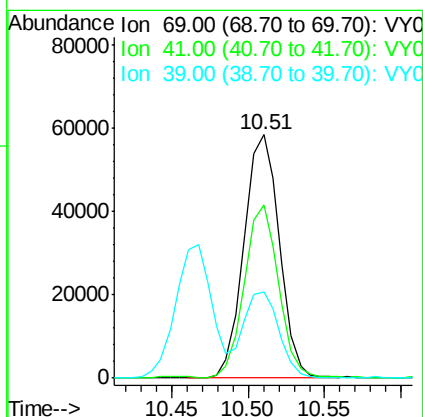
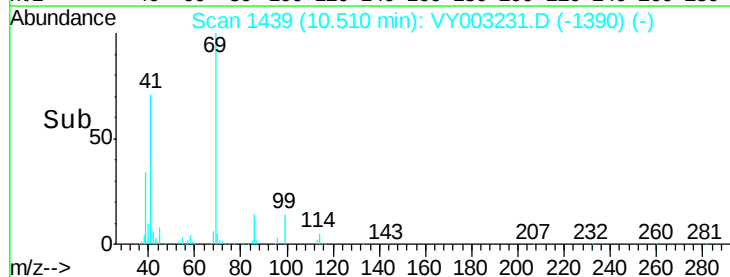
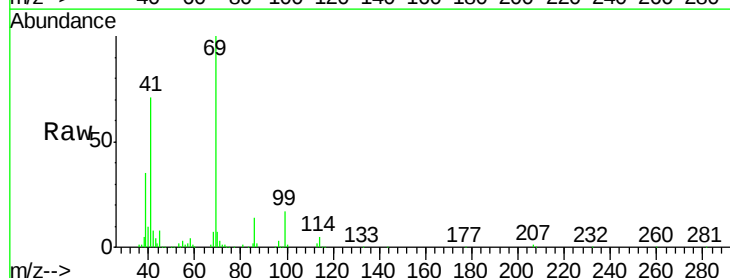
Manual Integrations
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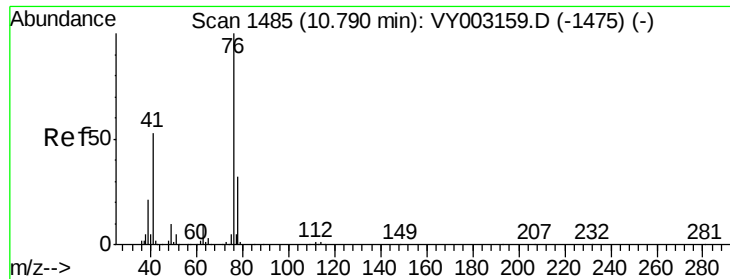
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 7/21/2020 4:58:53 PM



#56
 Ethyl methacrylate
 Concen: 21.942 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Tgt Ion:	69	Resp:	93852
Ion	Ratio	Lower	Upper
69	100		
41	69.2	50.0	75.0
39	35.9	27.6	41.4





#57

1,3-Dichloropropane

Concen: 21.621 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 76 Resp: 115335

Ion Ratio Lower Upper

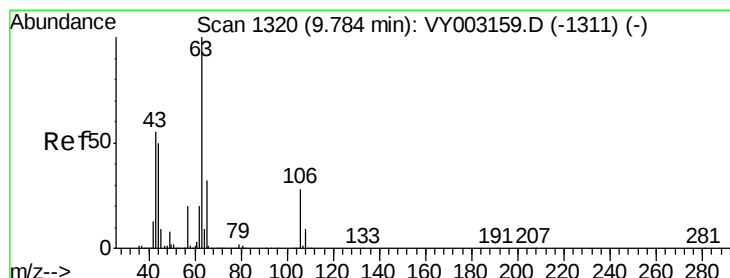
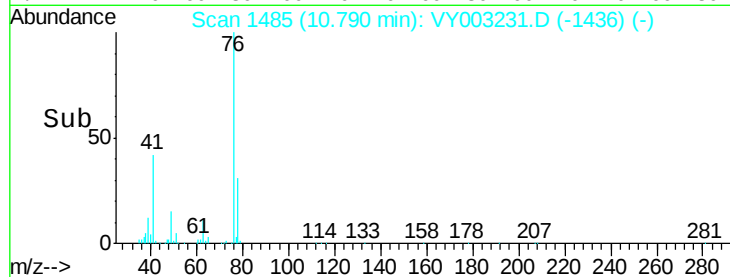
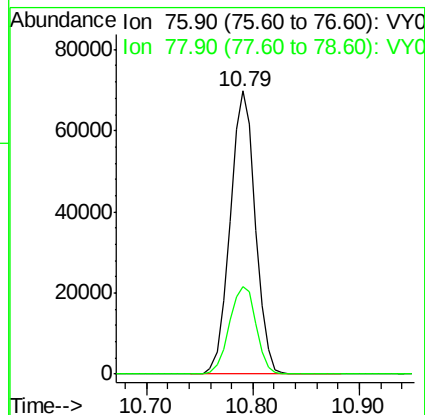
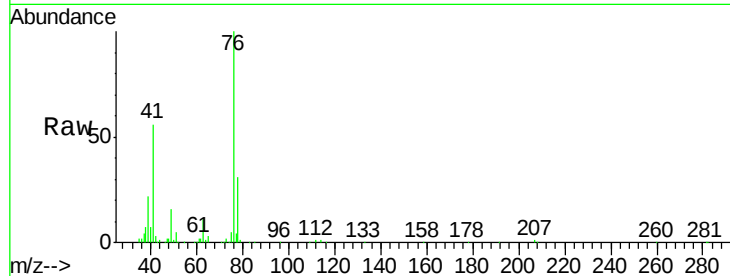
76 100

78 33.0 26.0 39.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 117.600 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003231.D

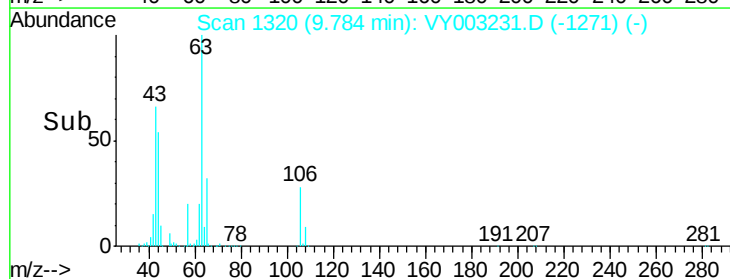
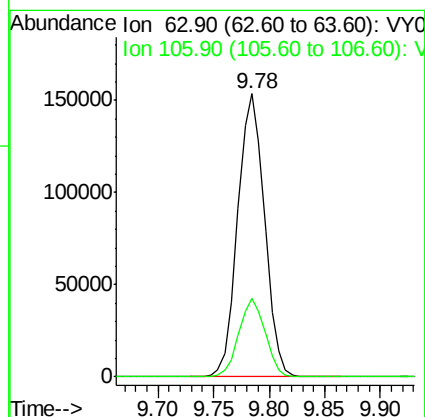
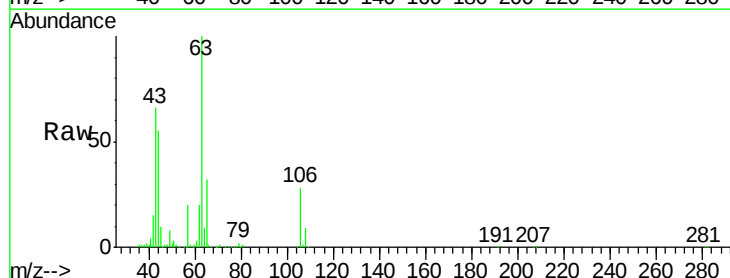
Acq: 20 Jul 2020 15:03

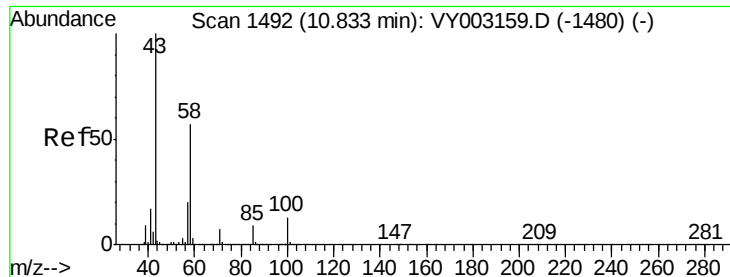
Tgt Ion: 63 Resp: 256534

Ion Ratio Lower Upper

63 100

106 27.1 22.9 34.3





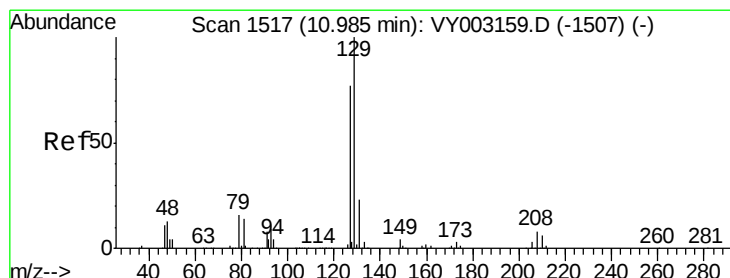
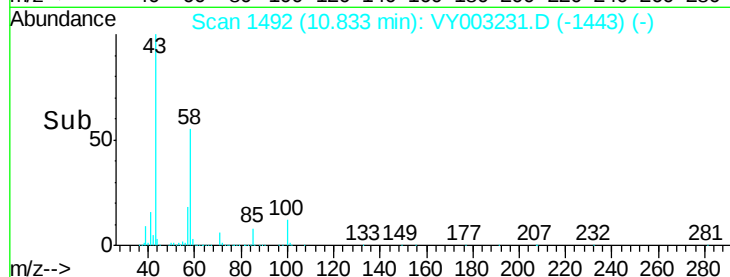
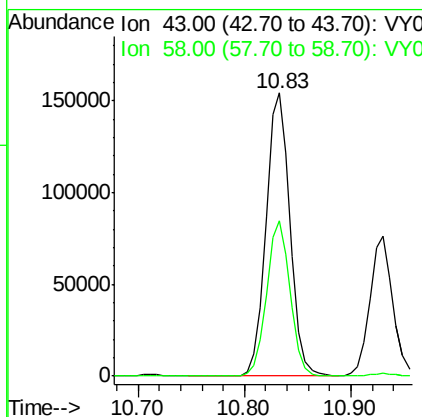
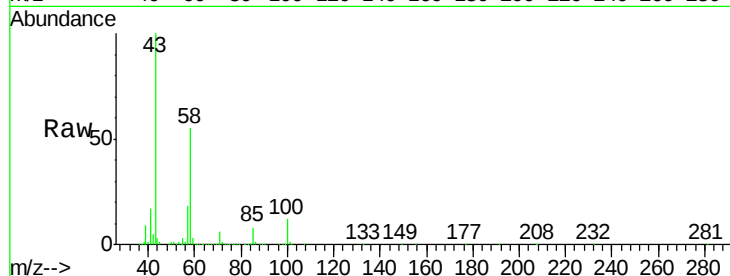
#59
2-Hexanone
Concen: 119.941 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion: 43 Resp: 242035
Ion Ratio Lower Upper
43 100
58 54.1 28.3 85.0

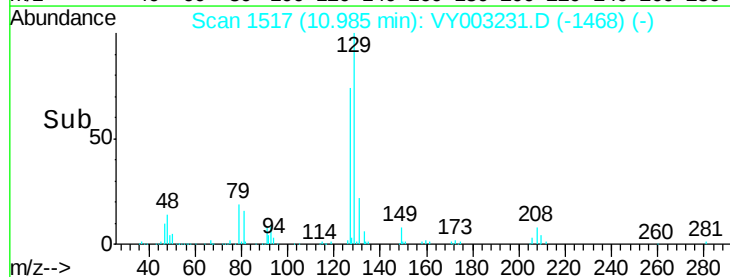
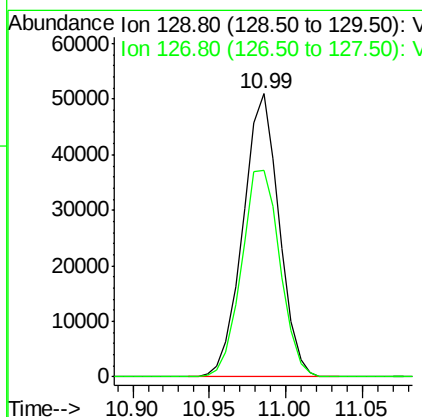
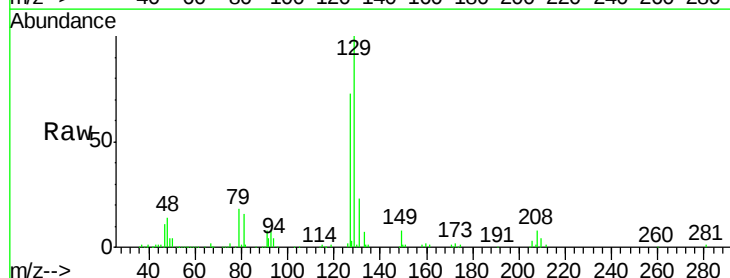
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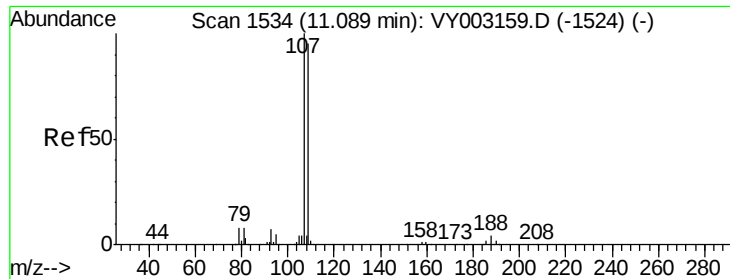
MMDadoda
7/21/2020 4:58:53 PM



#60
Dibromochloromethane
Concen: 21.121 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion: 129 Resp: 83578
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





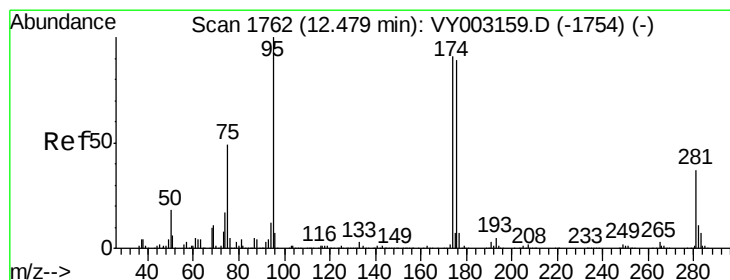
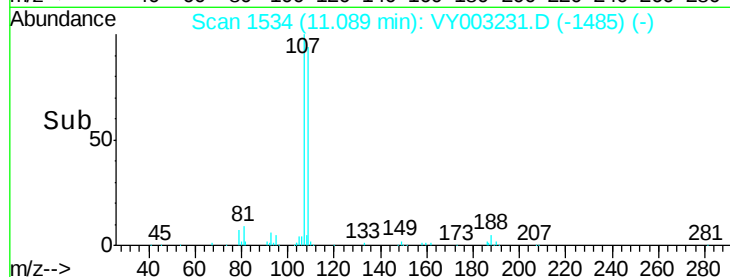
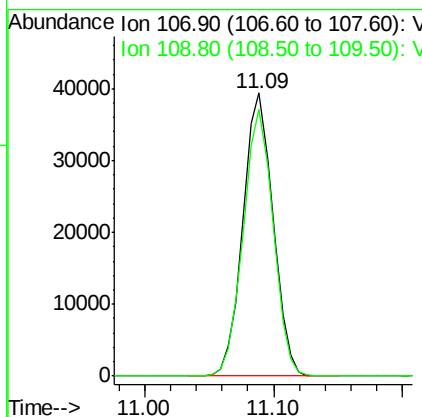
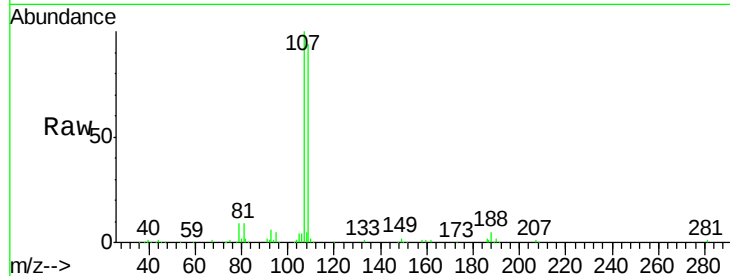
#61
 1,2-Dibromoethane
 Concen: 20.472 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion:107 Resp: 63567
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.6 113.4

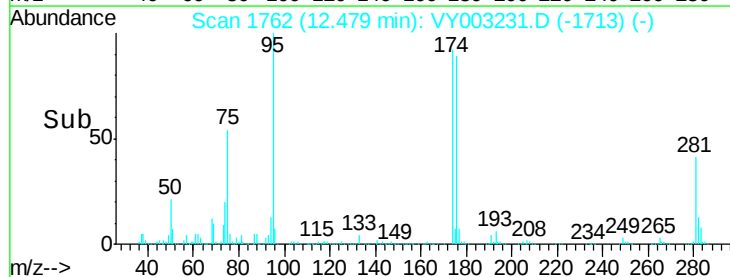
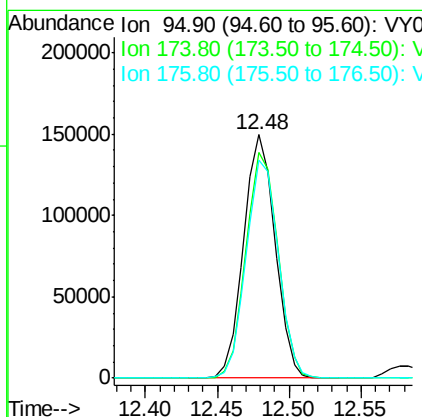
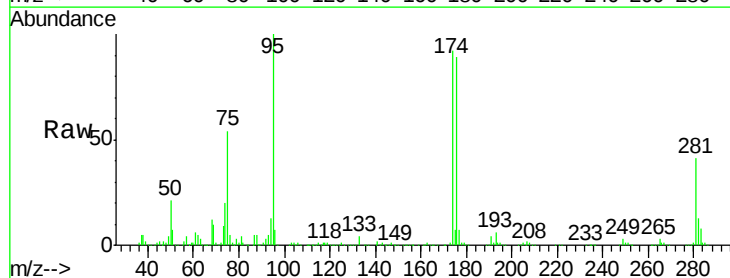
Manual Integrations
 APPROVED

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 7/21/2020 4:58:53 PM



#62
 4-Bromofluorobenzene
 Concen: 49.757 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Tgt Ion: 95 Resp: 226398
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 190.6
 176 91.5 0.0 186.4





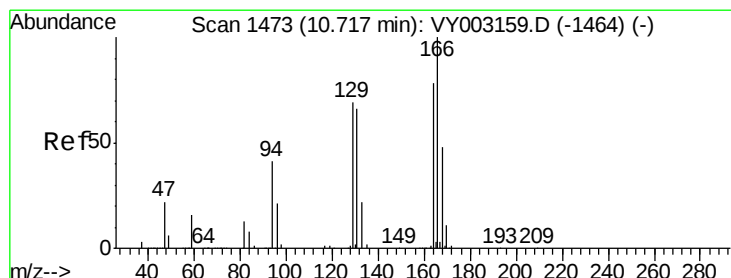
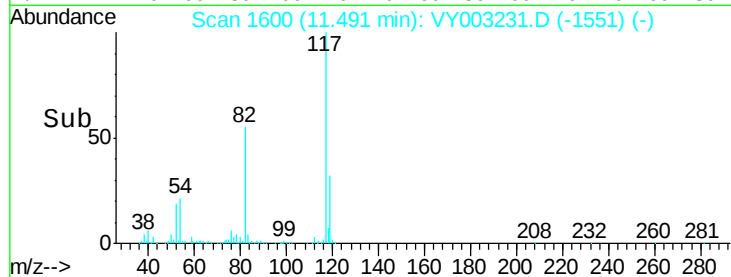
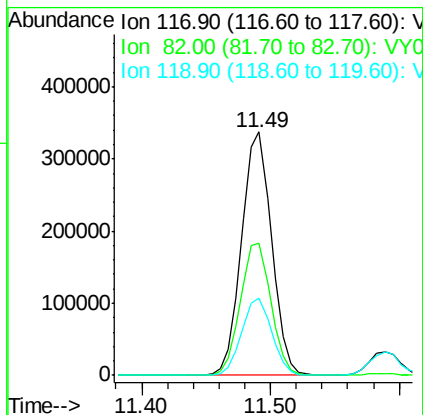
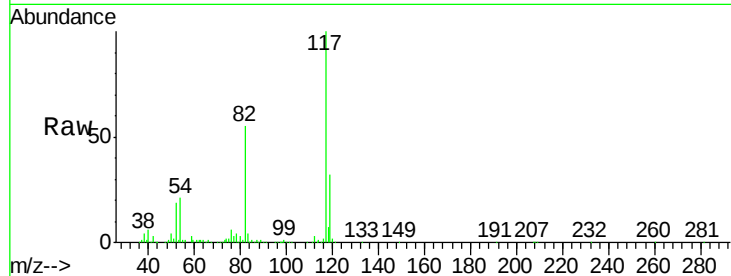
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	542150		
82	54.6	42.0	63.0	
119	31.9	25.5	38.3	

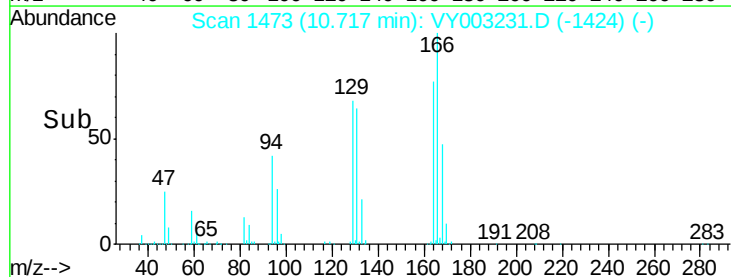
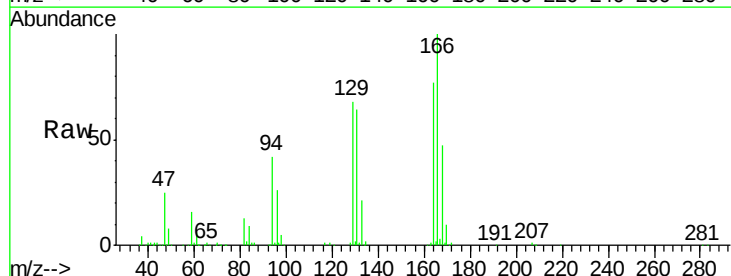
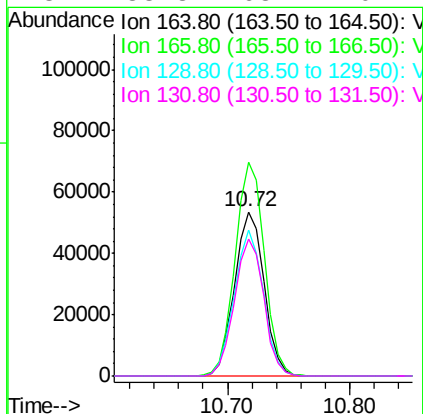
Manual Integrations
APPROVED

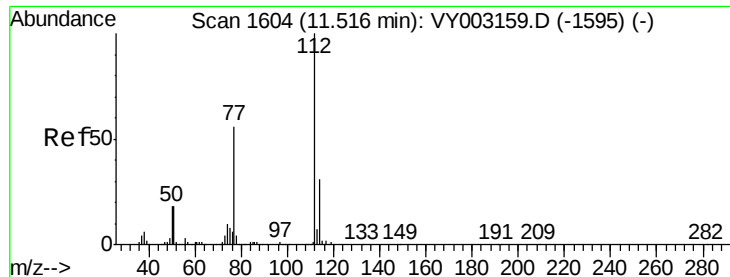
MMDadoda
7/21/2020 4:58:53 PM



#64
Tetrachloroethene
Concen: 18.506 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89456		
166	130.0	102.9	154.3	
129	88.6	71.4	107.2	
131	83.3	68.1	102.1	





#65

Chlorobenzene

Concen: 20.404 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion:112 Resp: 213101

Ion Ratio Lower Upper

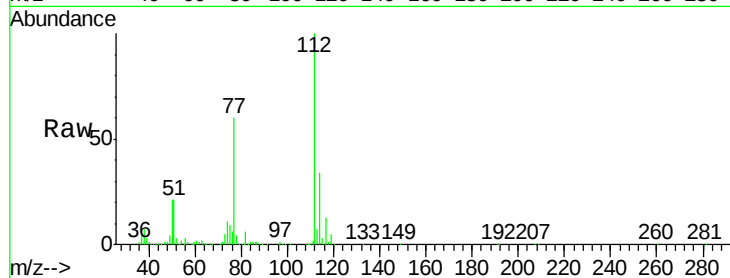
112 100

114 33.7 24.7 37.1

Manual Integrations
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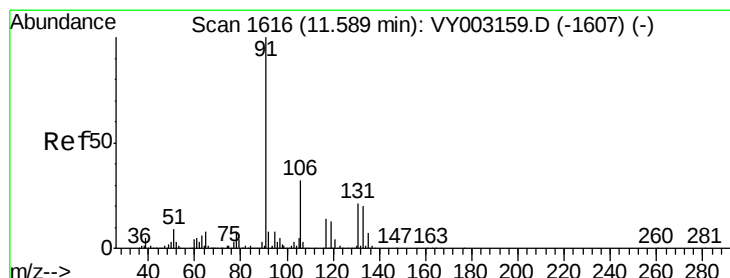
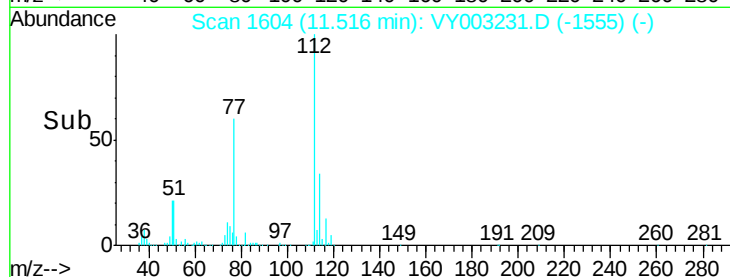
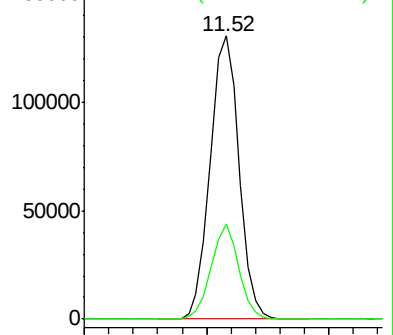
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.584 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

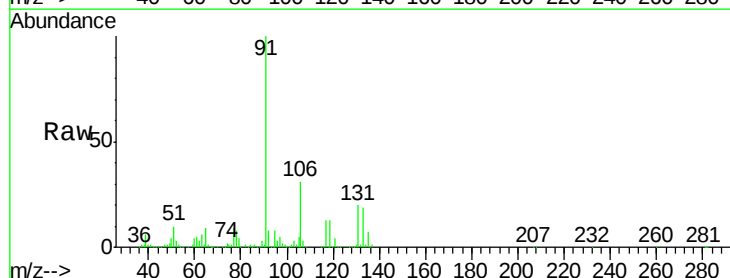
Tgt Ion:131 Resp: 83500

Ion Ratio Lower Upper

131 100

133 94.6 48.0 144.0

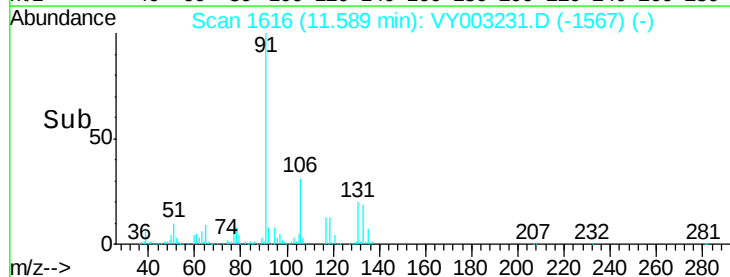
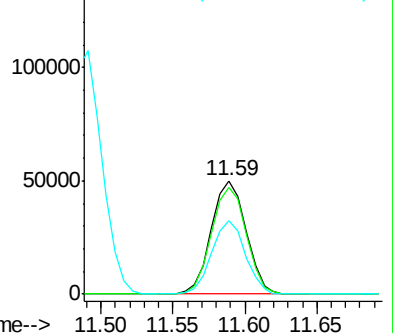
119 63.1 32.4 97.0

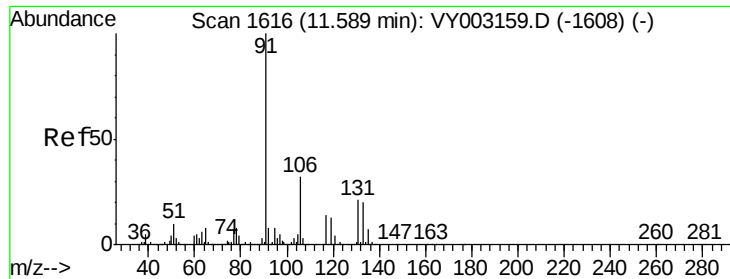


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





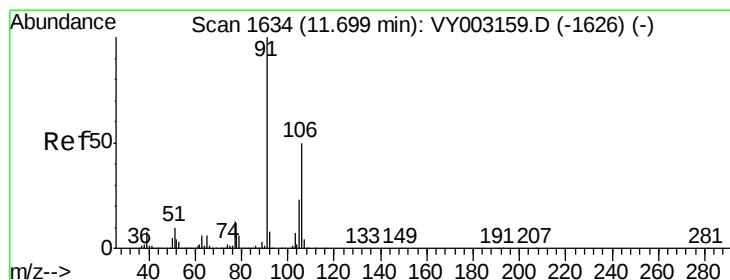
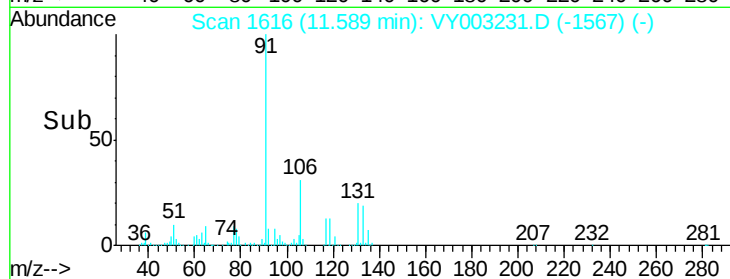
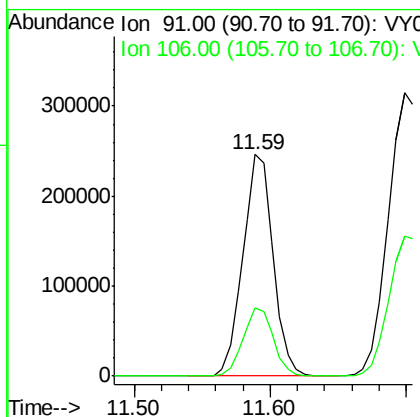
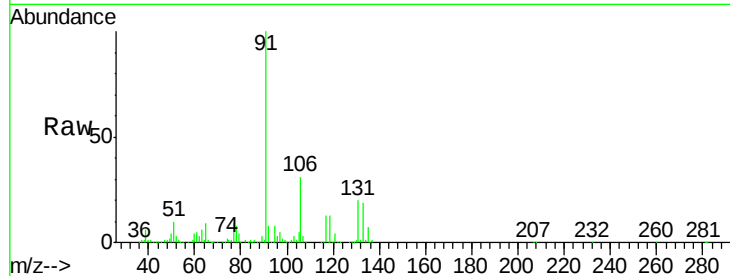
#67
Ethyl Benzene
Concen: 20.498 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion: 91 Resp: 382253
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3

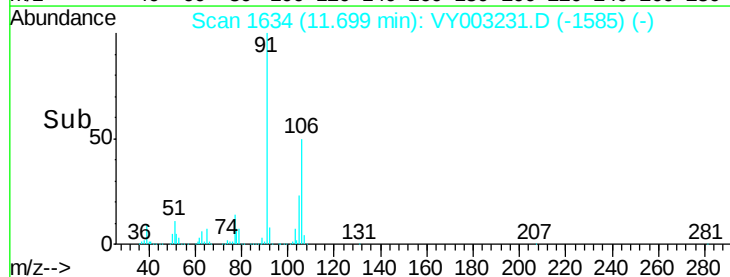
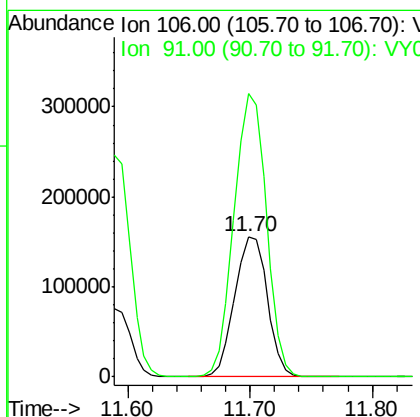
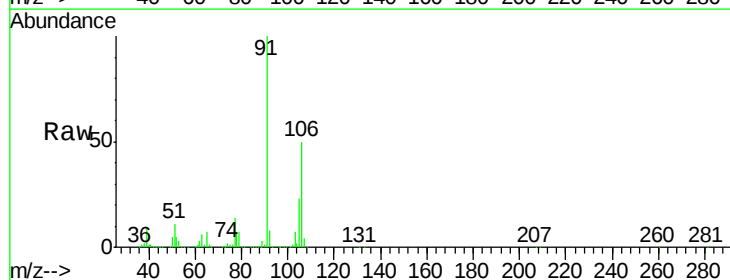
Manual Integrations
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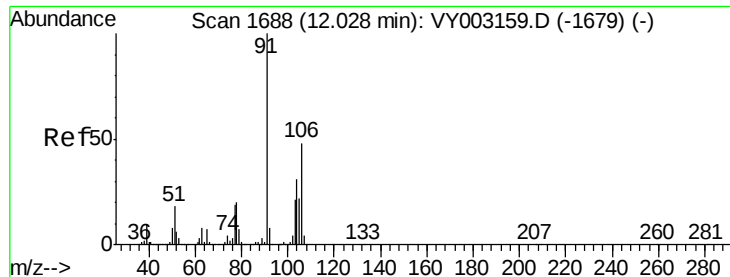
MMDadoda
7/21/2020 4:58:53 PM



#68
m/p-Xylenes
Concen: 40.846 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion: 106 Resp: 289011
Ion Ratio Lower Upper
106 100
91 200.0 159.0 238.6





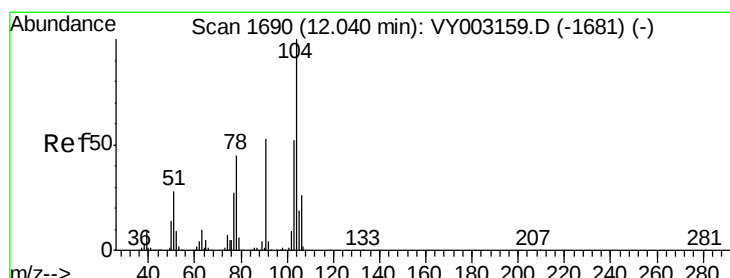
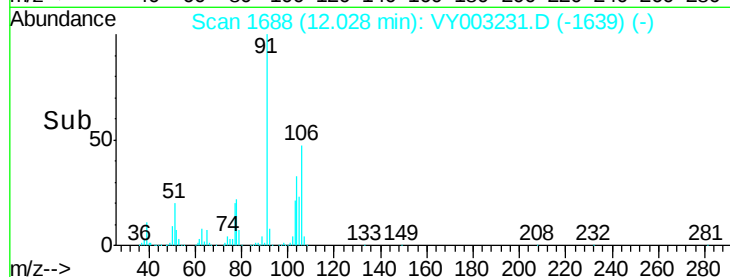
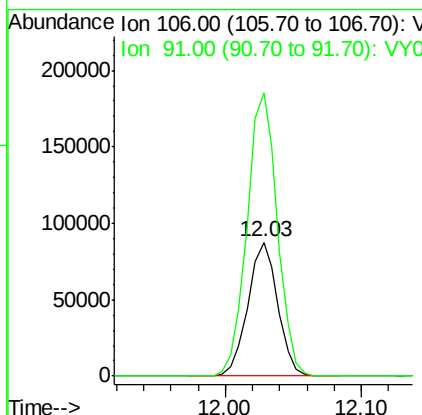
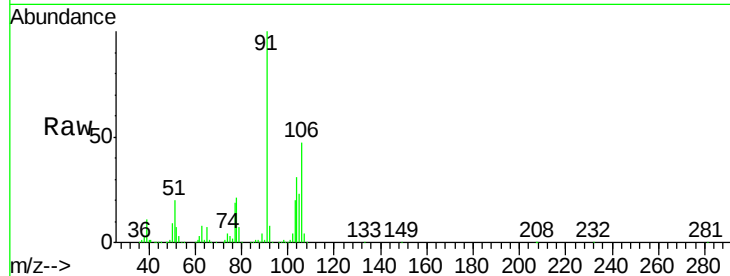
#69
o-Xylene
Concen: 20.326 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	215.6	105.1	315.1

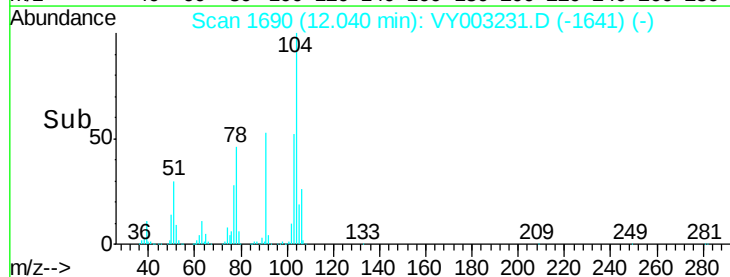
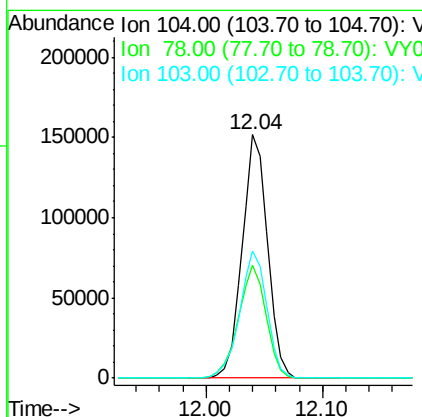
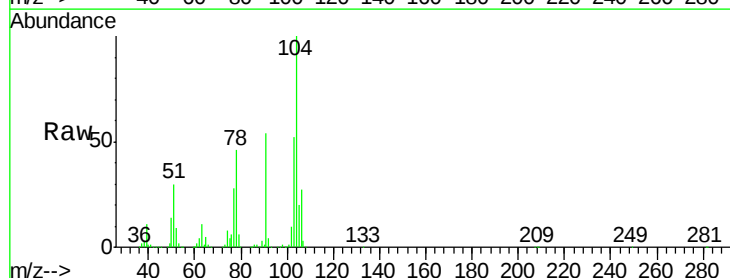
Manual Integrations
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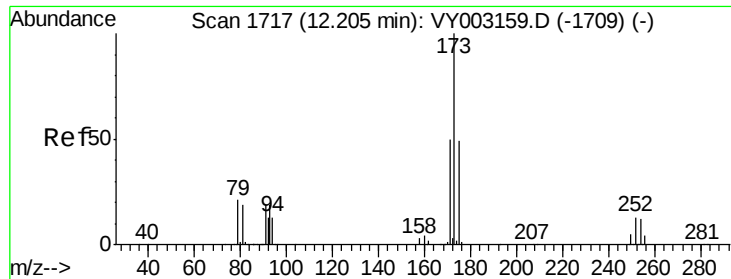
MMDadoda
7/21/2020 4:58:53 PM



#70
Styrene
Concen: 20.431 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.5	38.5	57.7
103	103	55.9	43.9	65.9





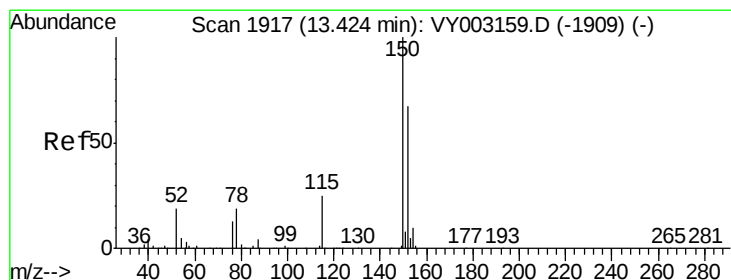
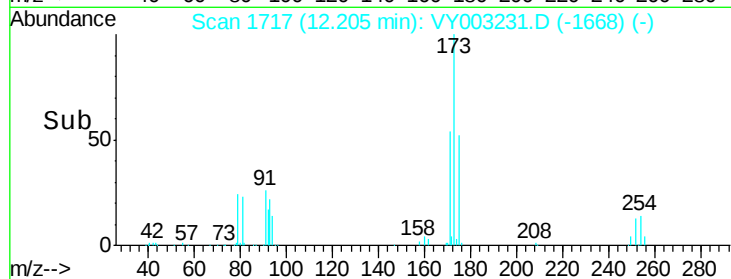
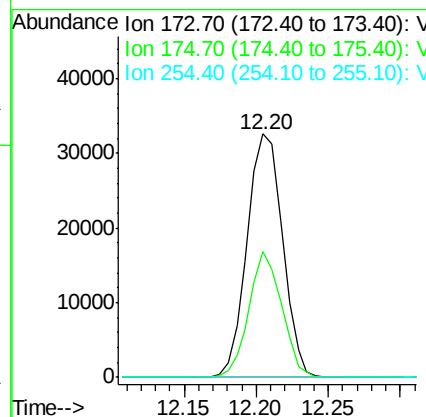
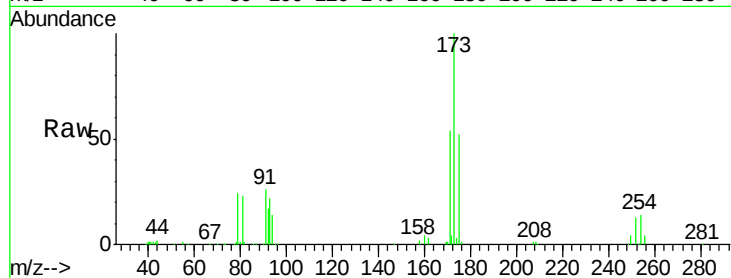
#71
Bromoform
Concen: 20.916 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	73.0
254	0.0	0.2	0.2

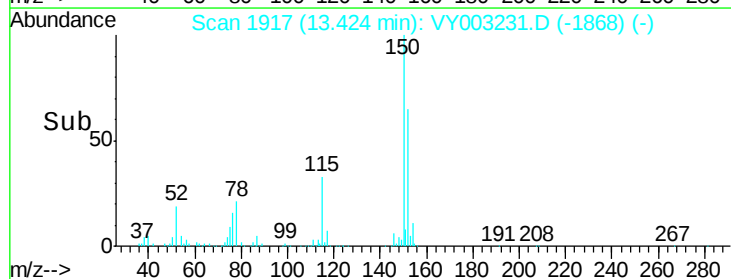
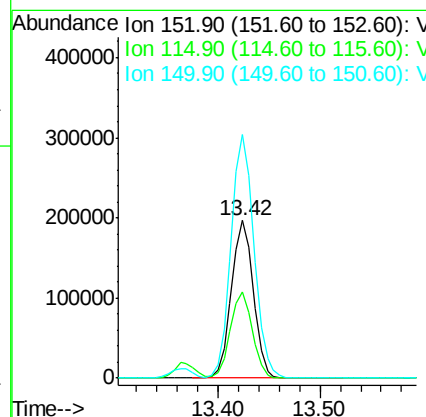
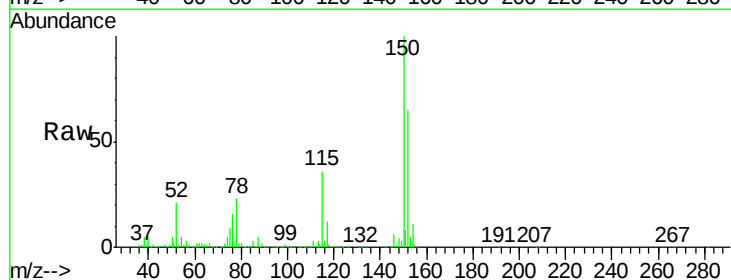
Manual Integrations
APPROVED

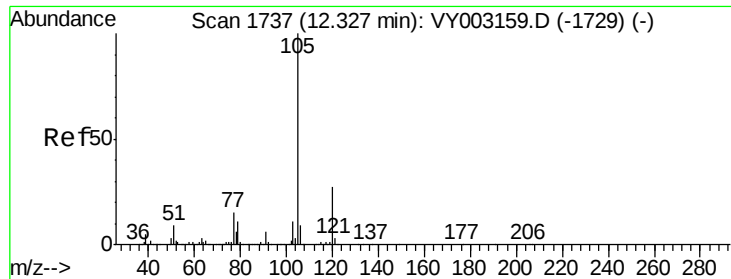
MMDadoda
7/21/2020 4:58:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	26.9	80.7
150	162.1	0.0	338.0





#73

Isopropylbenzene

Concen: 20.172 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 105 Resp: 374194

Ion Ratio Lower Upper

105 100

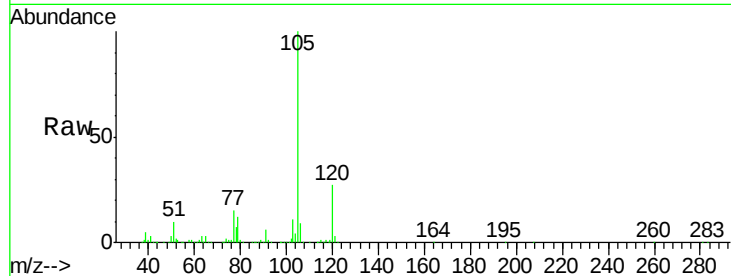
120 26.8 13.4 40.2

Manual Integrations

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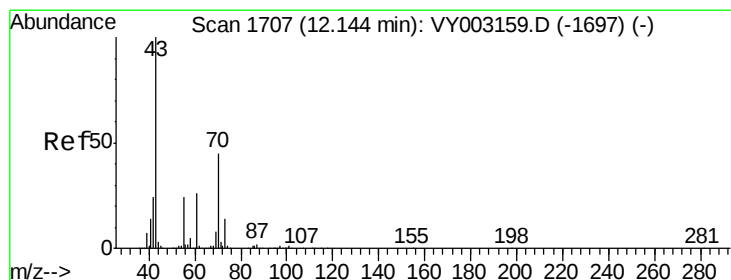
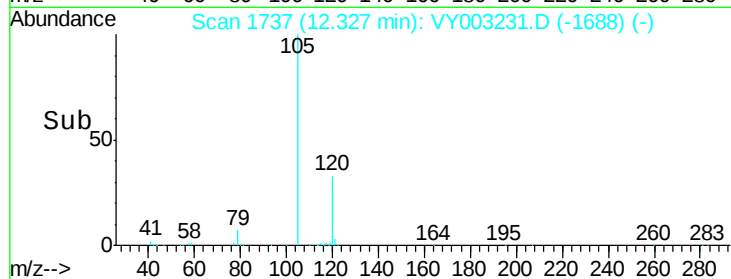
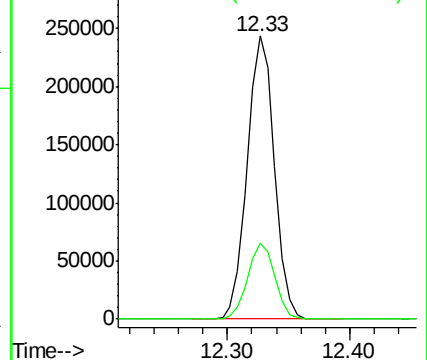
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.473 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Tgt Ion: 43 Resp: 122173

Ion Ratio Lower Upper

43 100

70 41.2 35.6 53.4

55 23.8 19.4 29.2

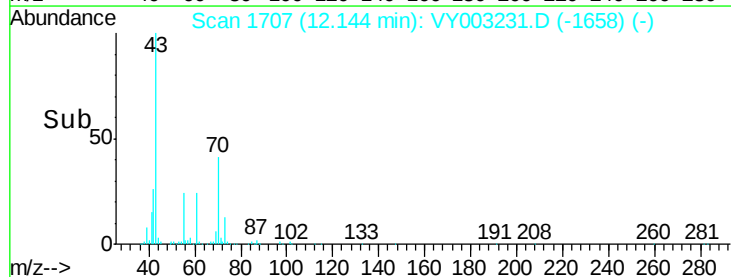
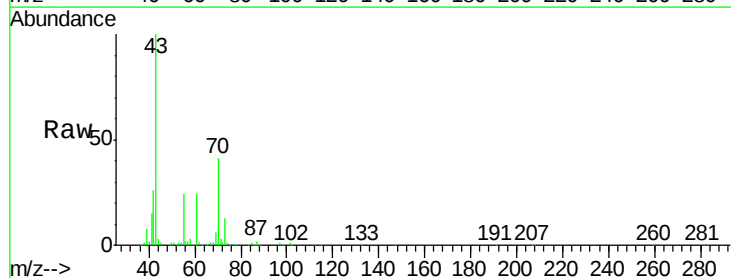
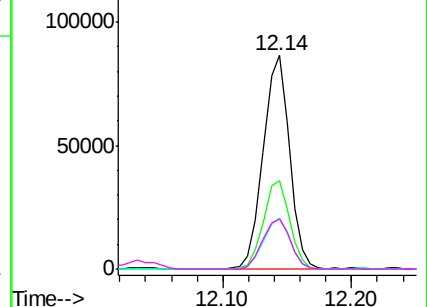
61 24.5 20.8 31.2

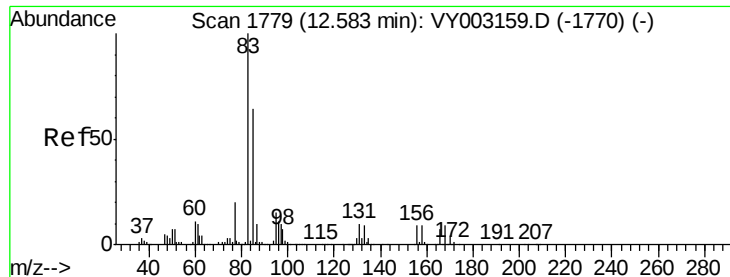
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.166 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

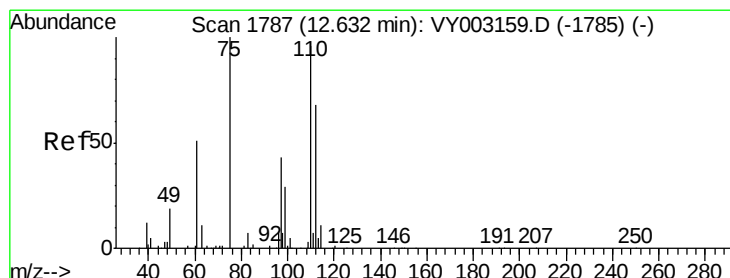
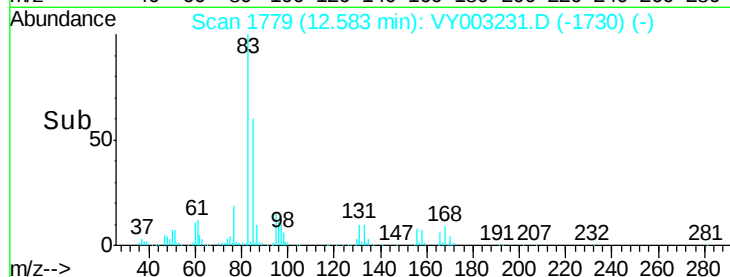
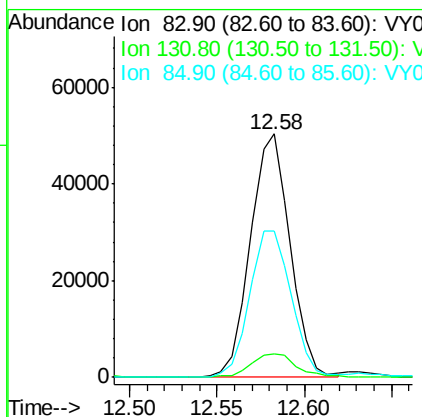
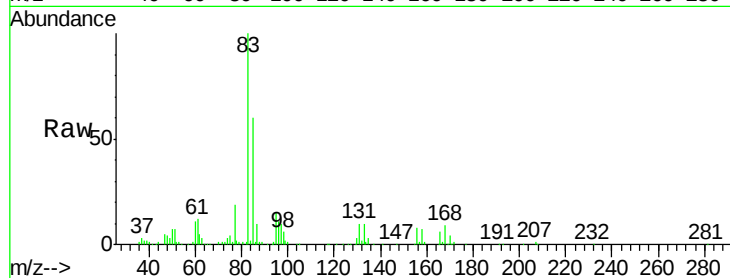
ClientSampleId :

VY0720SBS01

Tot Ion:	83	Resp:	79413
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.2	15.6
85	63.3	32.0	96.0

Manual Integrations
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7/21/2020 4:58:53 PM



#76

1,2,3-Trichloropropane

Concen: 21.468 ug/l m

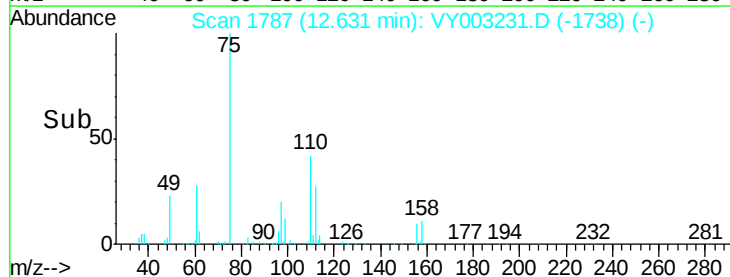
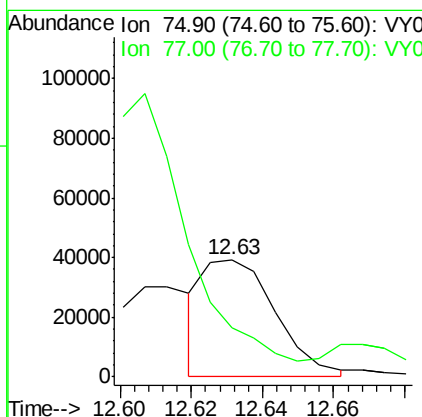
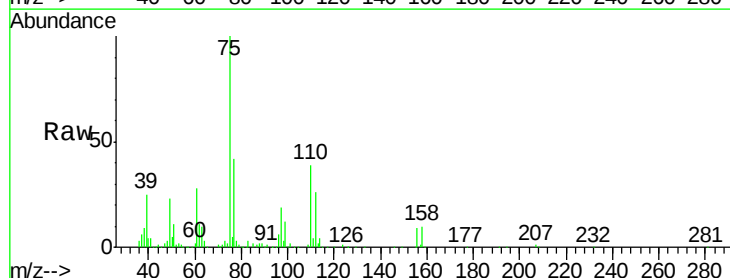
RT: 12.63 min Scan# 1787

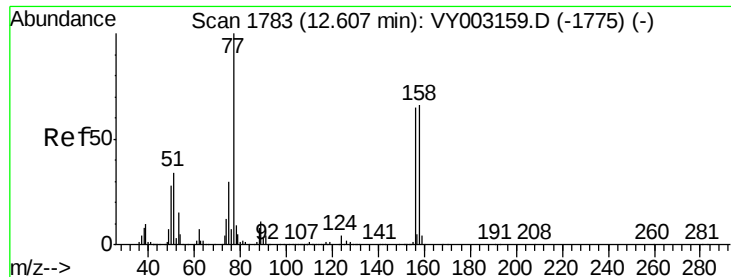
Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Tgt Ion:	75	Resp:	55316
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.232 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

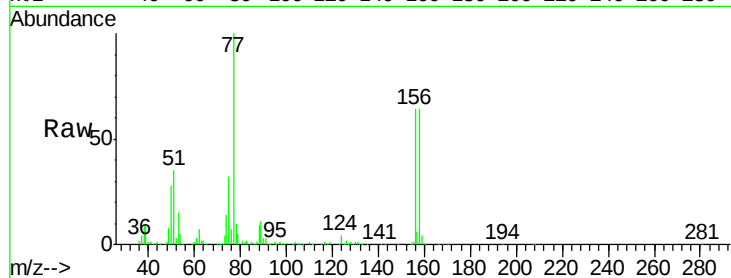
ClientSampleId :

VY0720SBS01

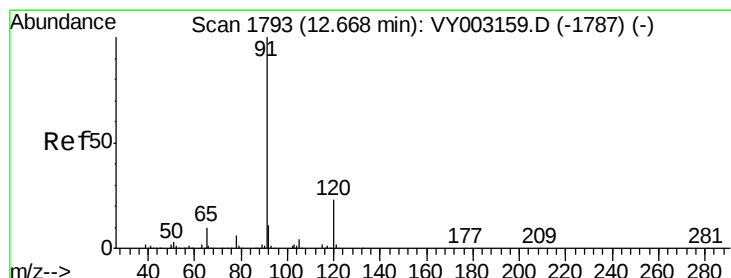
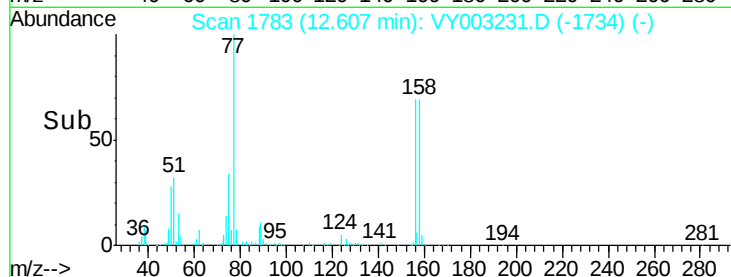
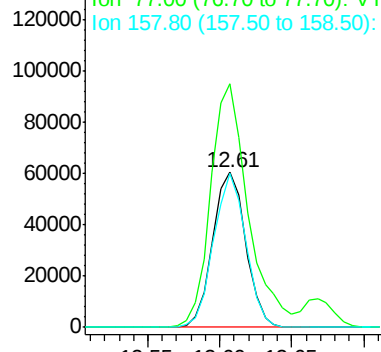
Tot Ion:	156	Resp:	95664
Ion Ratio	Lower	Upper	
156	100		
77	178.8	86.6	259.7
158	96.7	49.4	148.0

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Abundance Ion 155.80 (155.50 to 156.50): VY003159.D (-1775) (-)



#78

n-propylbenzene

Concen: 20.623 ug/l

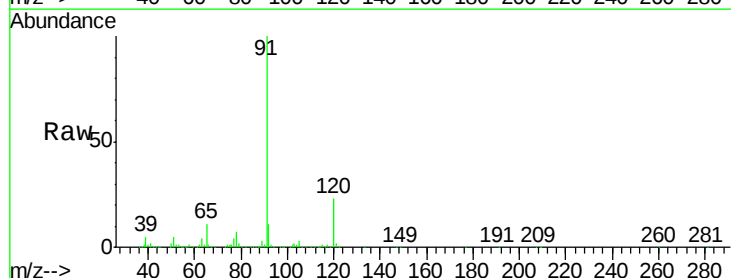
RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

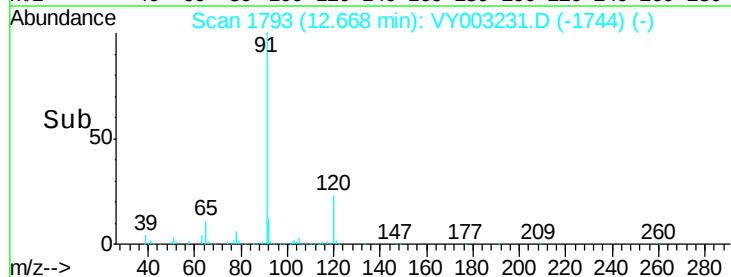
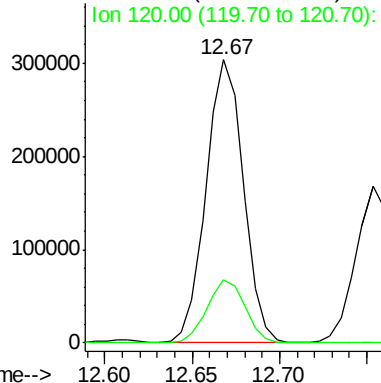
Lab File: VY003231.D

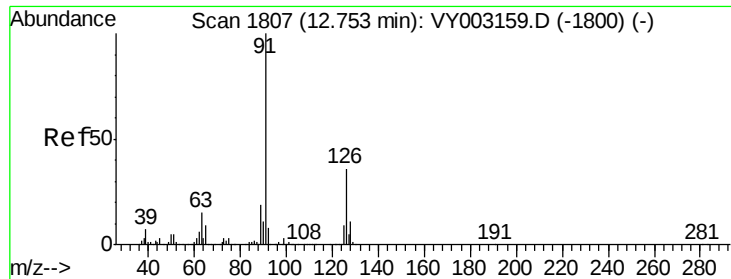
Acq: 20 Jul 2020 15:03

Tgt Ion:	91	Resp:	450950
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VY003159.D (-1787) (-)





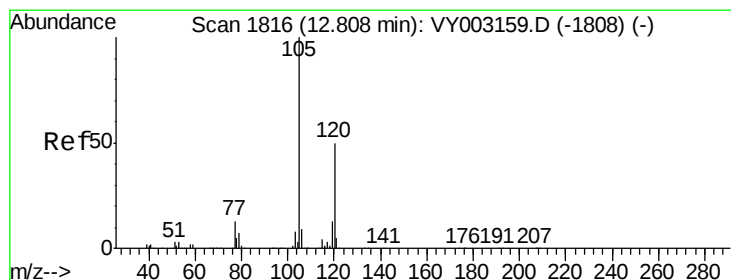
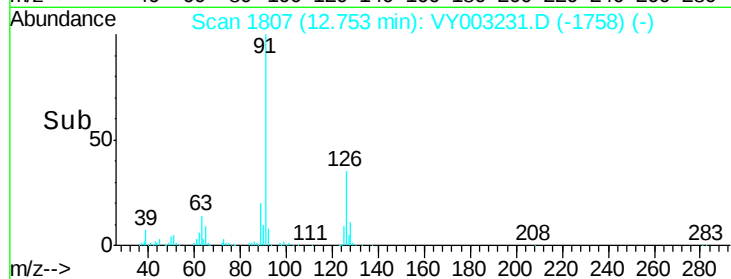
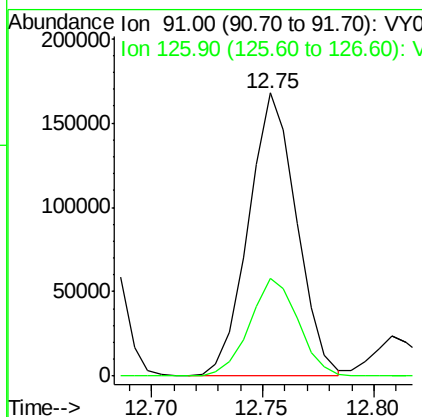
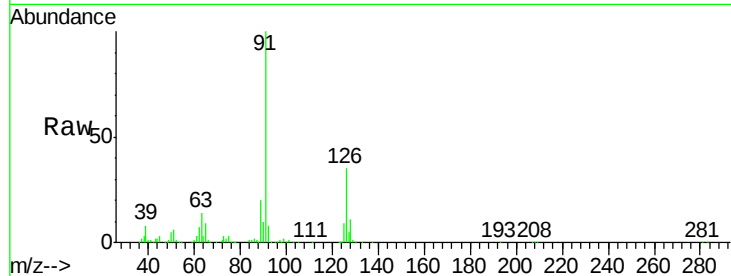
#79
 2-Chlorotoluene
 Concen: 20.656 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.6	52.9

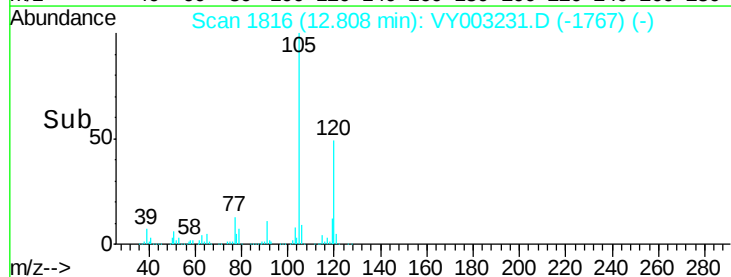
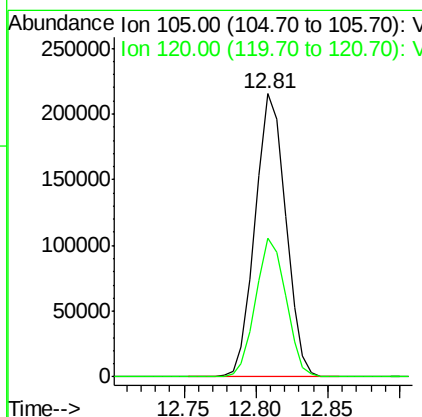
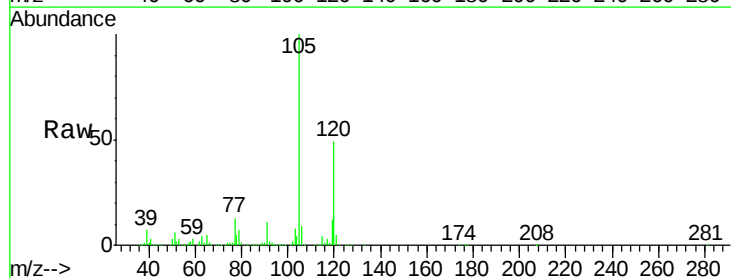
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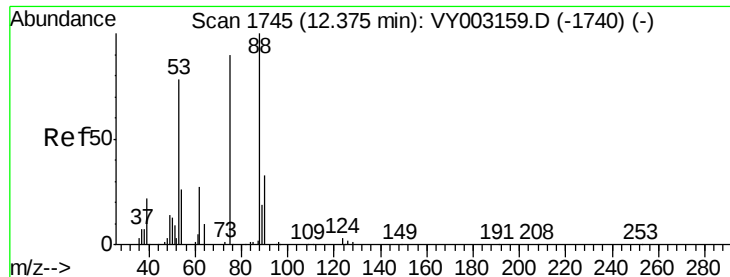
MMDadoda
 7/21/2020 4:58:53 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.355 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.9	74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 22.516 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 75 Resp: 29809

Ion Ratio Lower Upper

75 100

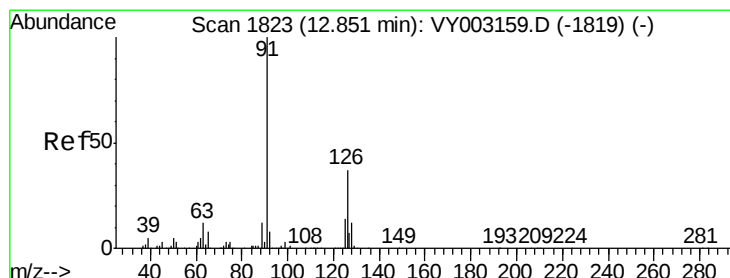
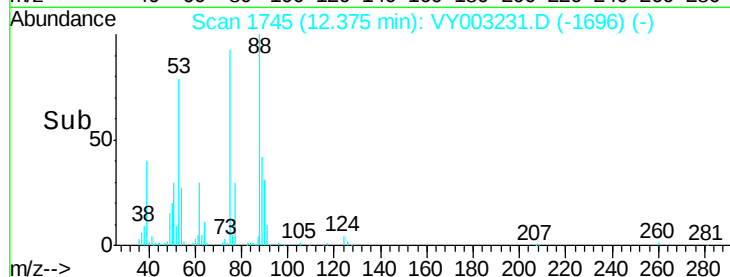
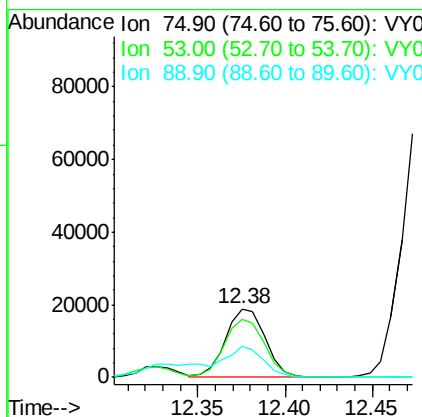
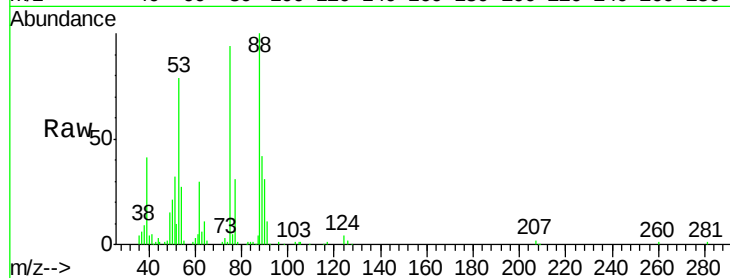
53 86.2 72.0 108.0

89 73.8 37.3 55.9#

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#82

4-Chlorotoluene

Concen: 20.488 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003231.D

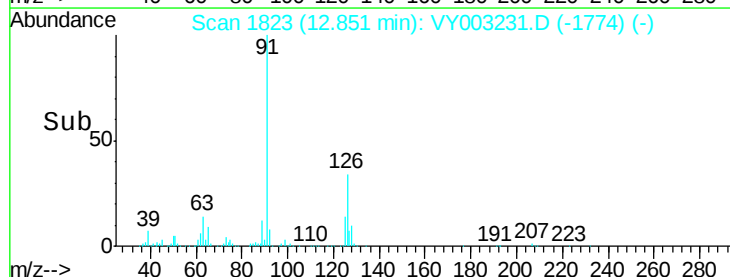
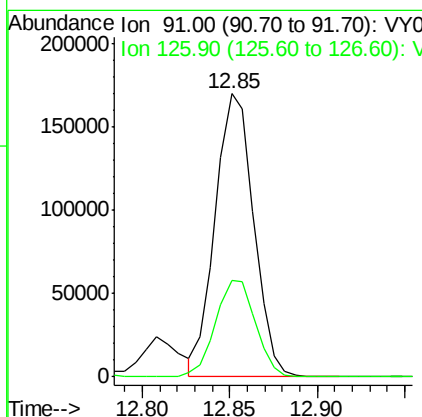
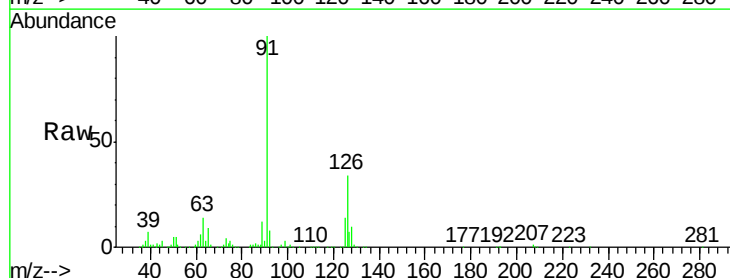
Acq: 20 Jul 2020 15:03

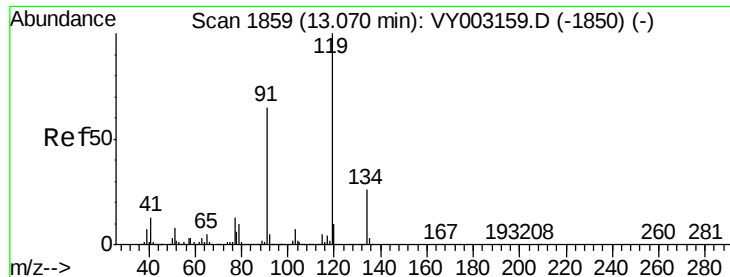
Tgt Ion: 91 Resp: 260882

Ion Ratio Lower Upper

91 100

126 35.5 17.9 53.7





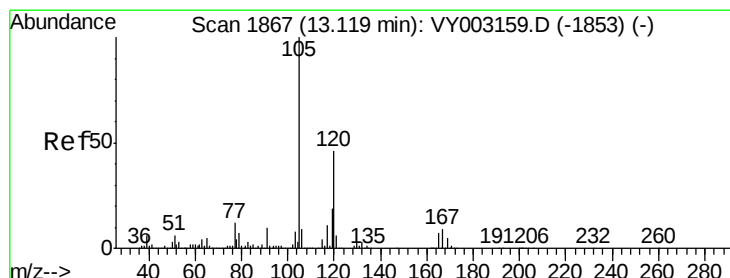
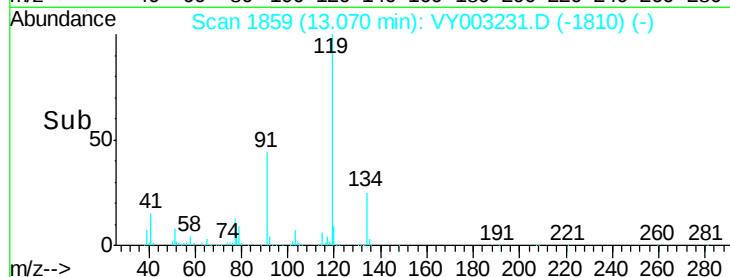
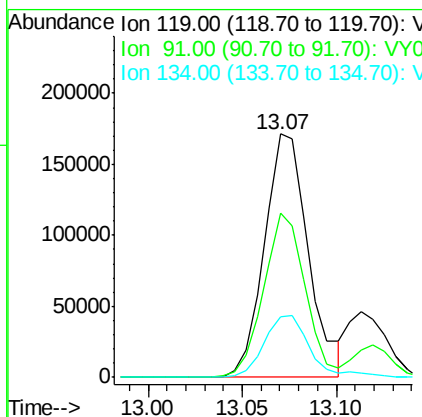
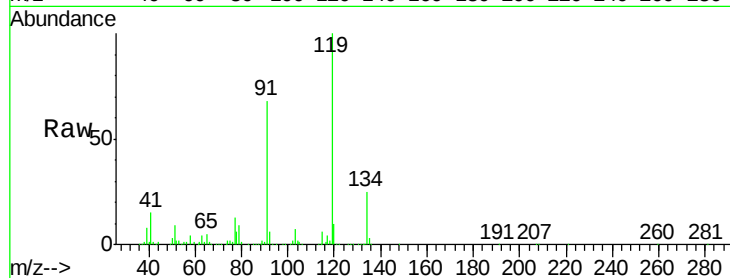
#83
tert-Butylbenzene
Concen: 20.329 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	30.8	92.4
134	26.5	13.2	39.6

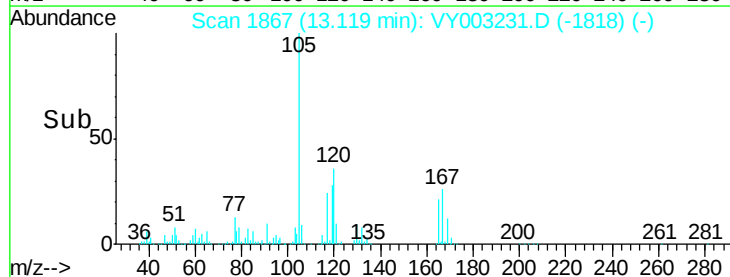
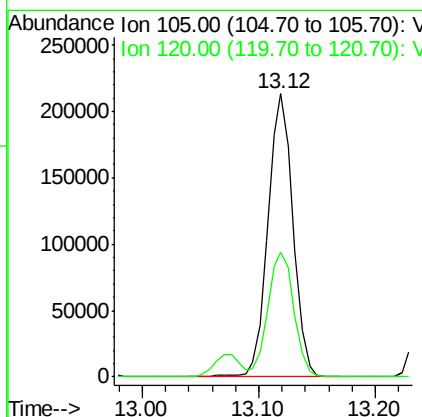
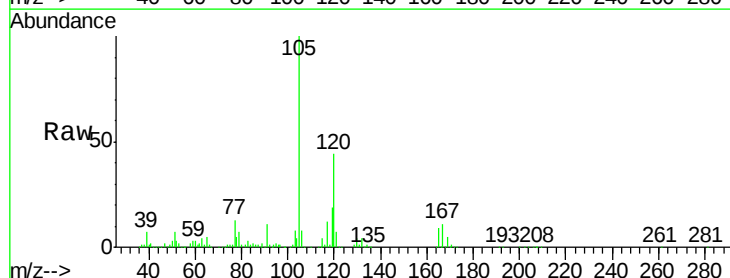
Manual Integrations
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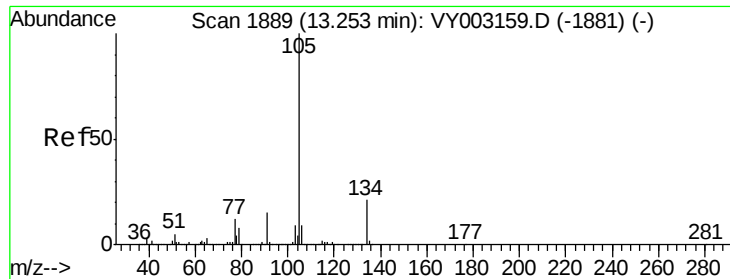
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.488 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.5	67.5





#85

sec-Butylbenzene

Concen: 20.745 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion:105 Resp: 388971

Ion Ratio Lower Upper

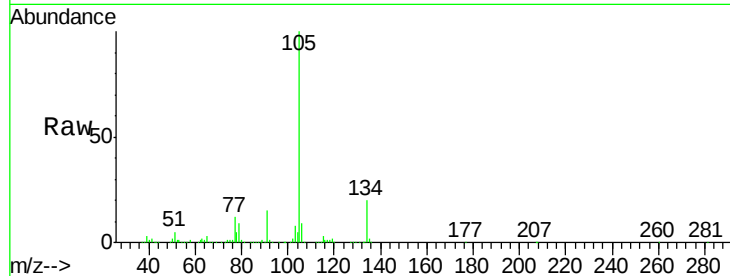
105 100

134 20.5 10.4 31.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

250000

200000

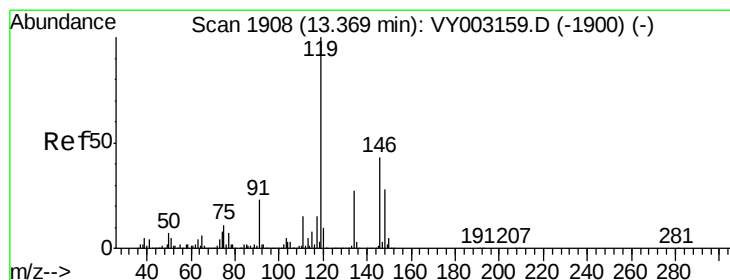
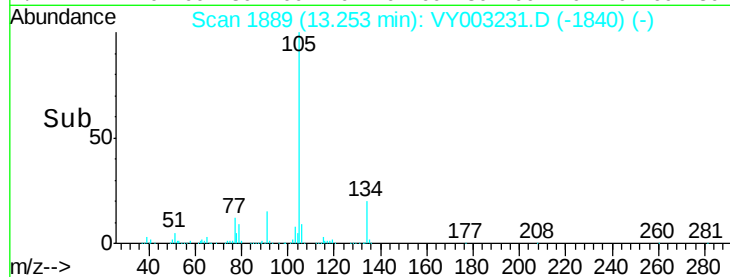
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.151 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003231.D

Acq: 20 Jul 2020 15:03

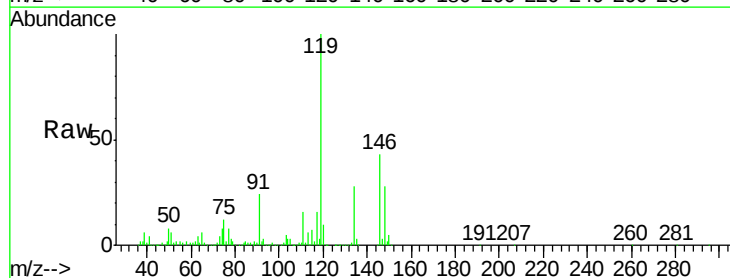
Tgt Ion:119 Resp: 352787

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 23.2 11.2 33.6



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

13.37

250000

200000

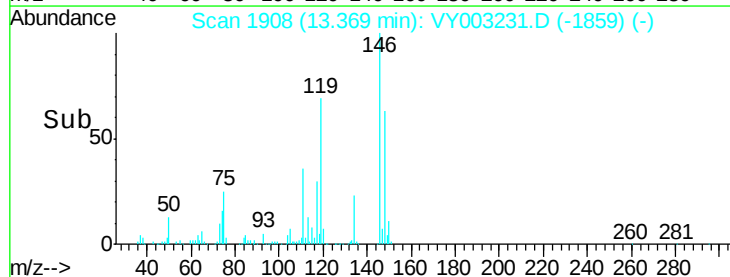
150000

100000

50000

0

Time-->





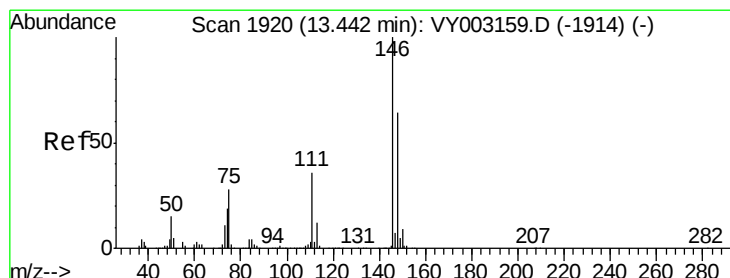
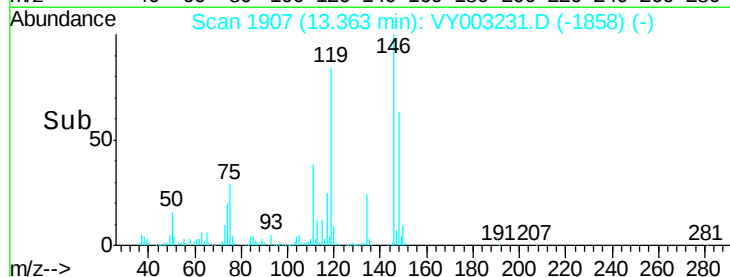
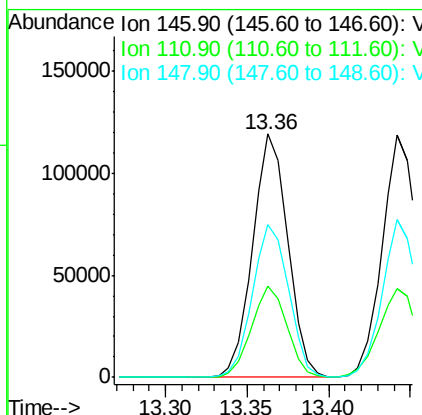
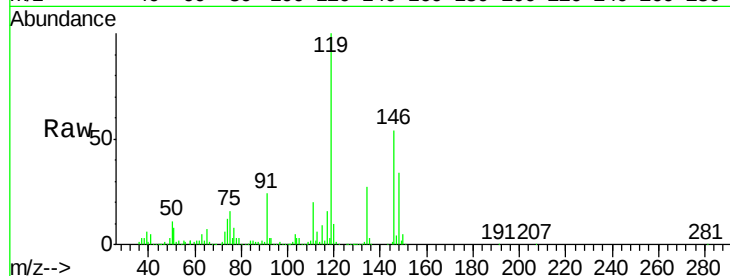
#87
 1,3-Dichlorobenzene
 Concen: 20.066 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.6	32.3	96.9

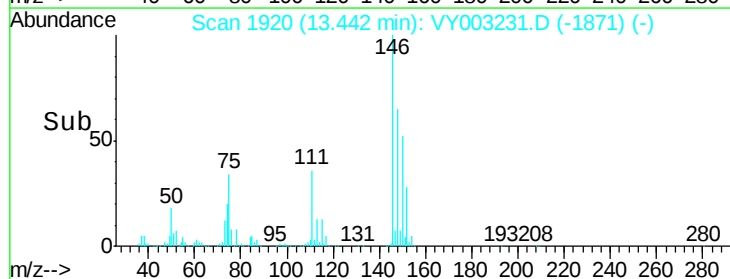
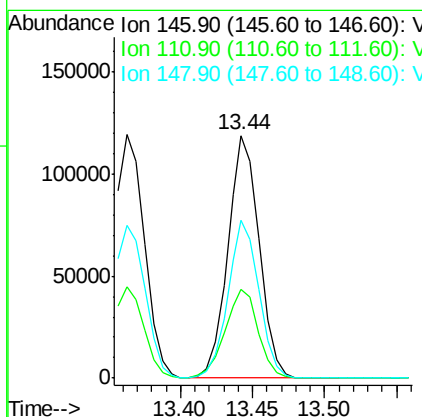
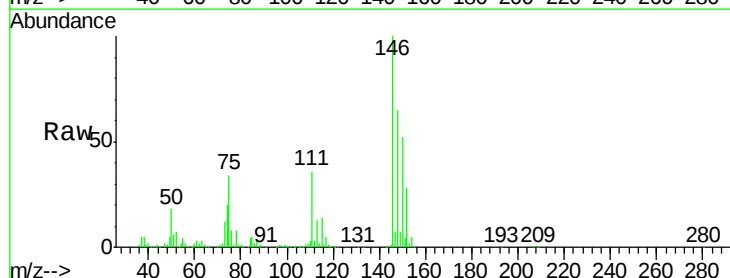
Manual Integrations
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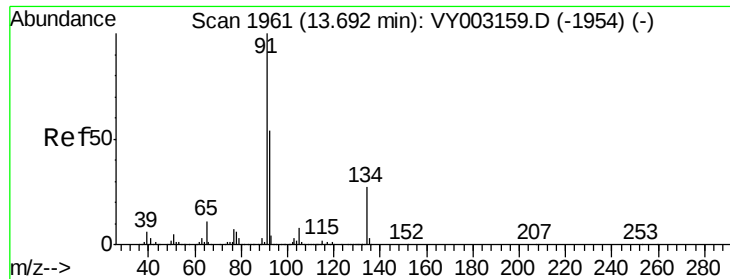
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#88
 1,4-Dichlorobenzene
 Concen: 20.349 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.4	55.0
148	64.5	32.0	96.0





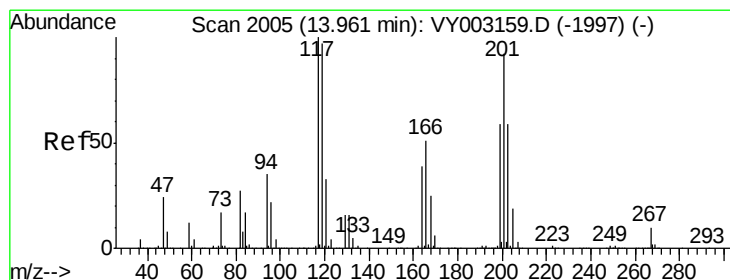
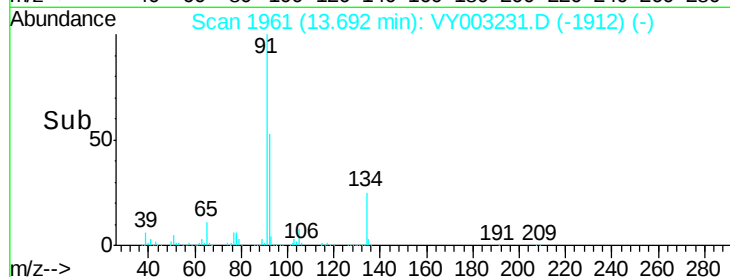
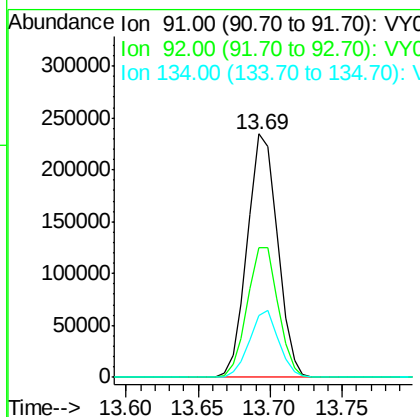
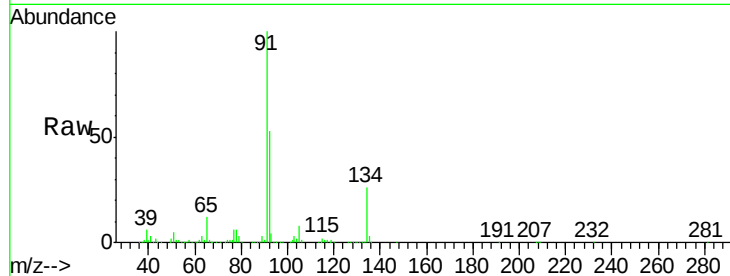
#89
n-Butylbenzene
Concen: 20.665 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.9	80.7
134	26.4	13.6	40.7

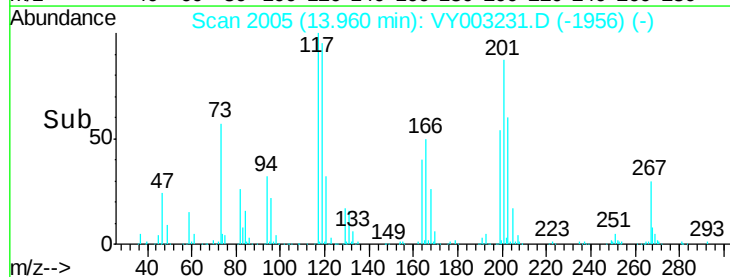
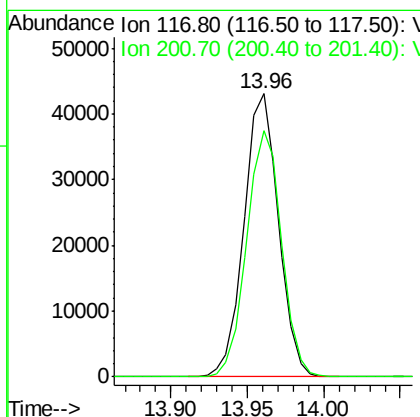
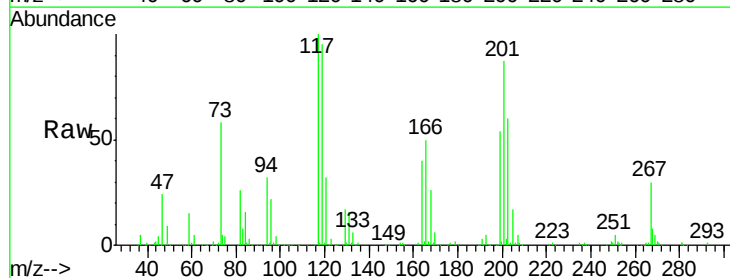
Manual Integrations
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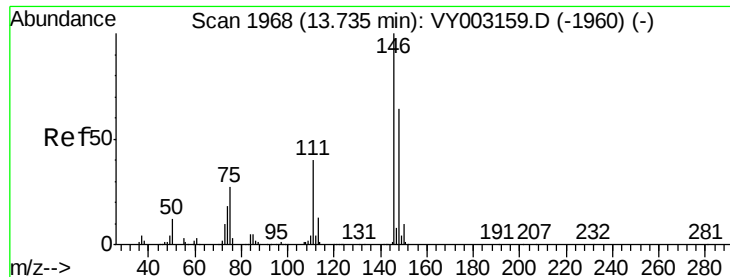
MMDadoda
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#90
Hexachloroethane
Concen: 21.151 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	45.1	135.3





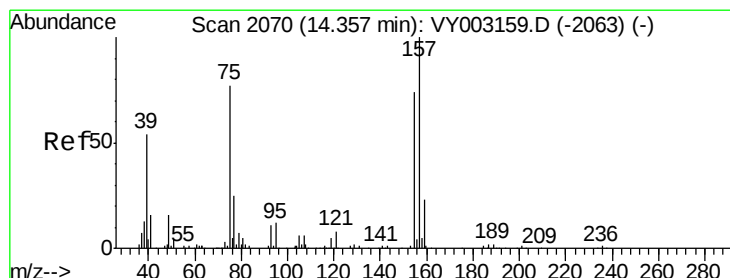
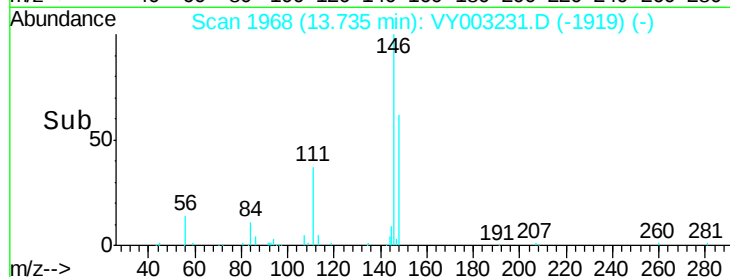
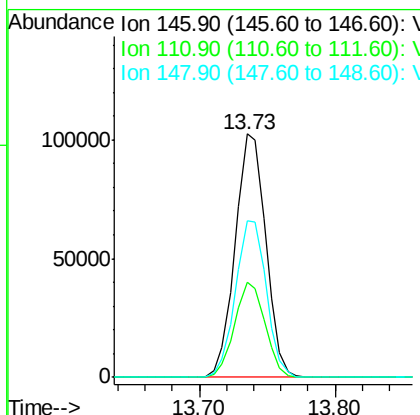
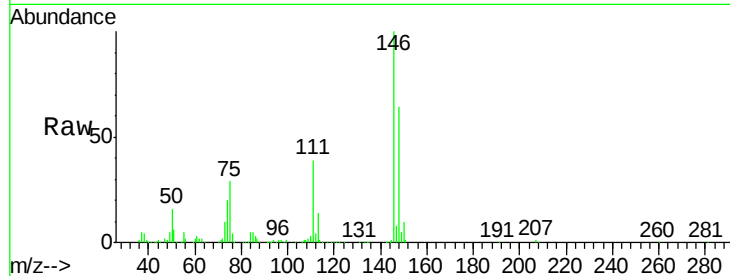
#91
 1,2-Dichlorobenzene
 Concen: 20.514 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	64.5	32.4	97.0

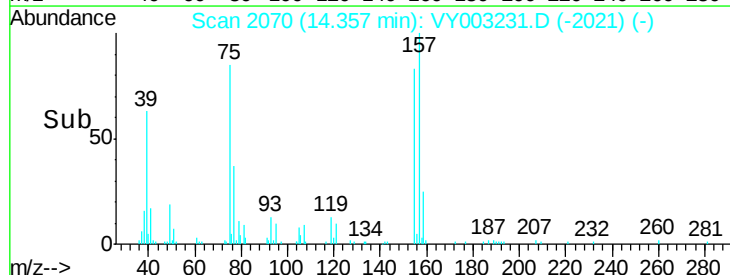
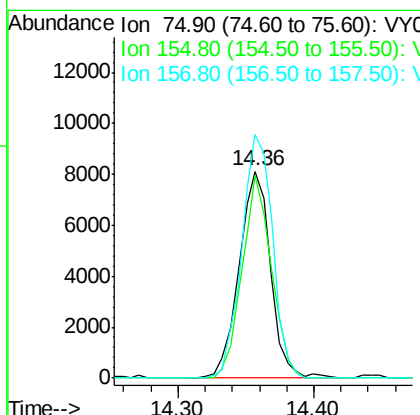
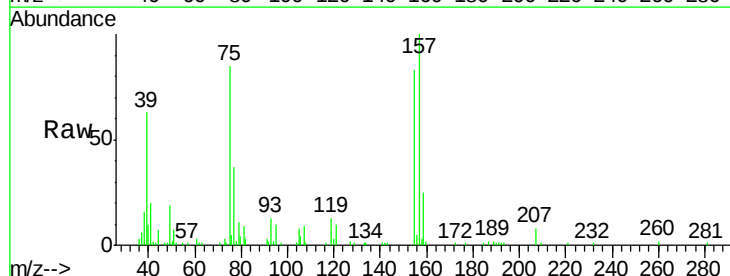
Manual Integrations
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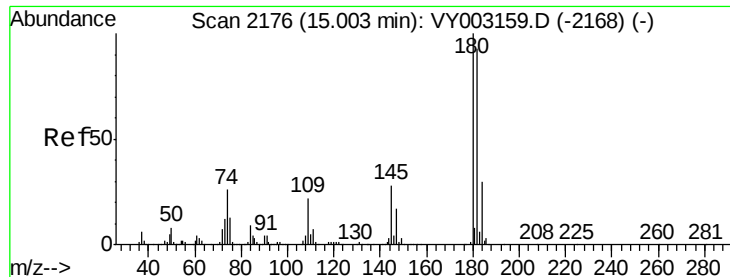
MMDadoda
 7/21/2020 4:58:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.495 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	48.1	144.3
157	116.0	61.9	185.6





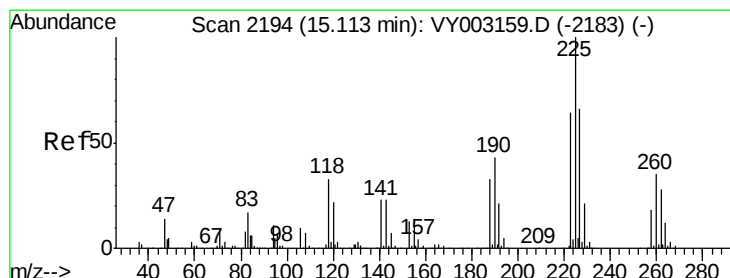
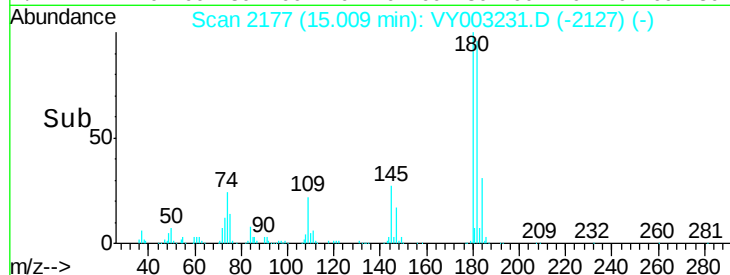
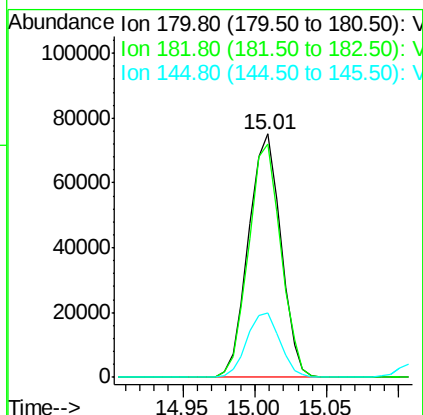
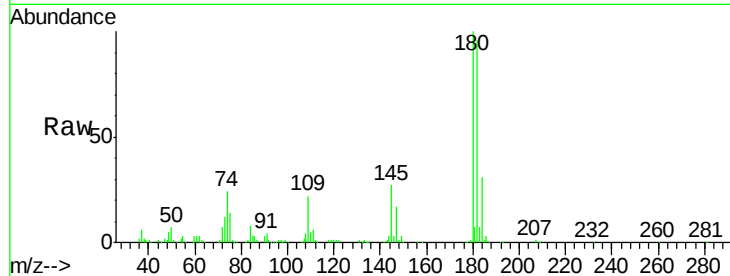
#93
 1,2,4-Trichlorobenzene
 Concen: 20.885 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116590		
182	95.7	47.3	142.0	
145	27.3	13.7	41.1	

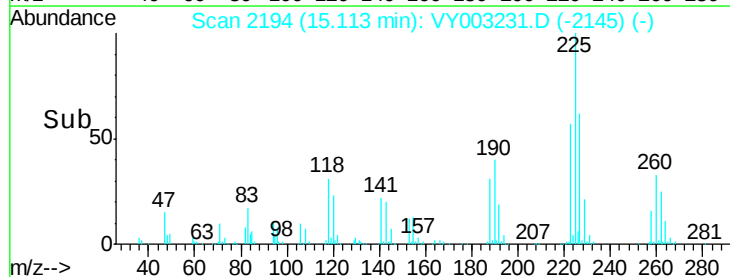
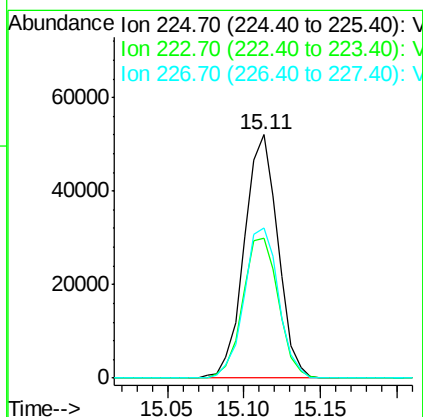
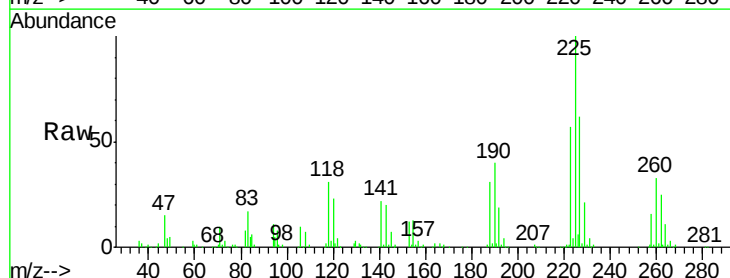
Manual Integrations
 APPROVED

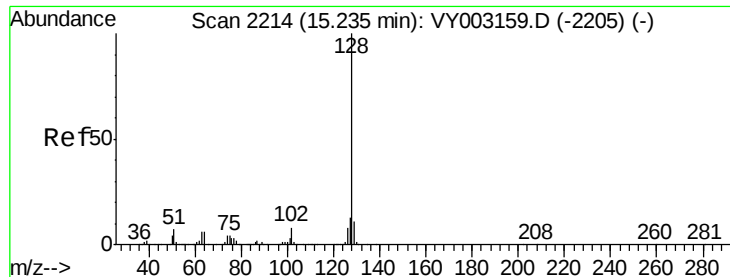
MMDadoda
 7/21/2020 4:58:53 PM



#94
 Hexachlorobutadiene
 Concen: 20.751 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003231.D
 Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79377		
223	61.1	31.6	94.7	
227	63.3	32.3	96.8	





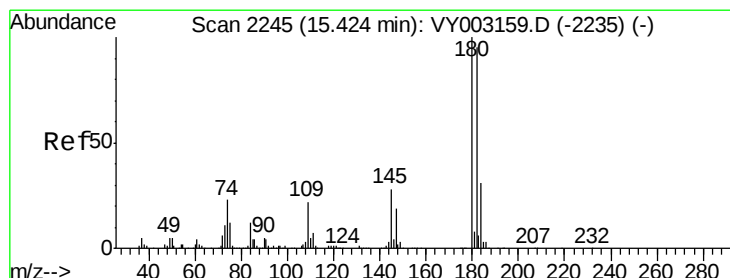
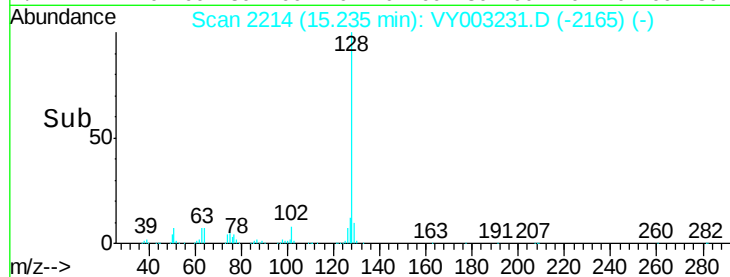
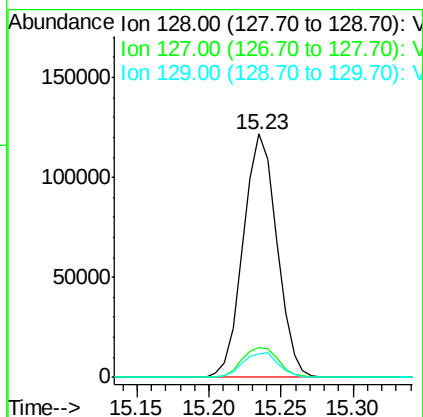
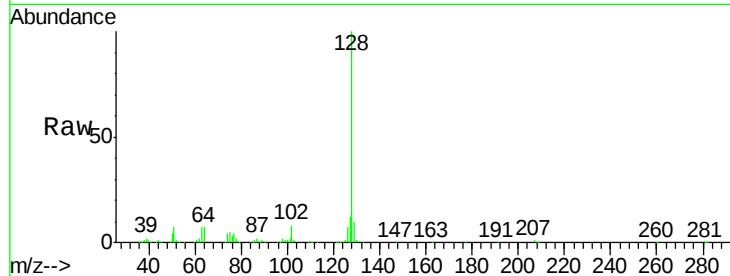
#95
Naphthalene
Concen: 21.367 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	197124		
127	13.3	10.9	16.3	
129	10.7	9.0	13.6	

Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.253 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003231.D
Acq: 20 Jul 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	93785		
182	94.5	48.8	146.3	
145	29.4	14.9	44.5	

