

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001641.D
 Acq On : 17 Feb 2020 13:03
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY021720

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:50:14 AM

Quant Time: Feb 17 13:54:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	220999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	388014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	349343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	164288	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	120037	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	7.74	113	112078	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.19	98	467080	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
62) 4-Bromofluorobenzene	12.49	95	171061	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	108826	50.517	ug/l	97
3) Chloromethane	2.13	50	134293	46.347	ug/l	98
4) Vinyl Chloride	2.26	62	140717	48.149	ug/l	100
5) Bromomethane	2.66	94	86384	47.294	ug/l	96
6) Chloroethane	2.81	64	82357	45.730	ug/l	95
7) Trichlorofluoromethane	3.14	101	173012	46.254	ug/l	98
8) Diethyl Ether	3.55	74	65648	44.520	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	109963	46.772	ug/l	99
10) Methyl Iodide	4.11	142	138823	48.247	ug/l	99
11) Tert butyl alcohol	4.99	59	64804	233.662	ug/l	98
12) 1,1-Dichloroethene	3.90	96	111481	46.492	ug/l	96
13) Acrolein	3.75	56	54550	227.214	ug/l	97
14) Allyl chloride	4.50	41	198917	46.612	ug/l	99
15) Acrylonitrile	5.19	53	171254	226.580	ug/l	100
16) Acetone	3.97	43	182823	222.270	ug/l	99
17) Carbon Disulfide	4.22	76	374067	46.726	ug/l	100
18) Methyl Acetate	4.50	43	77942	43.513	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	297721	44.595	ug/l	100
20) Methylene Chloride	4.74	84	121325	41.527	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	124265	45.422	ug/l	99
22) Diisopropyl ether	6.14	45	395481	45.126	ug/l	97
23) Vinyl Acetate	6.09	43	1312795	229.646	ug/l	98
24) 1,1-Dichloroethane	6.05	63	213562	45.593	ug/l	99
25) 2-Butanone	7.01	43	245747	219.934	ug/l	99
26) 2,2-Dichloropropane	7.01	77	185551	45.531	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	134831	44.649	ug/l	99
28) Bromochloromethane	7.36	49	105467	54.052	ug/l	99
29) Tetrahydrofuran	7.37	42	152207	225.371	ug/l	99
30) Chloroform	7.53	83	202997	44.353	ug/l	97
31) Cyclohexane	7.80	56	222813	44.614	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	179987	46.790	ug/l	99
36) 1,1-Dichloropropene	7.94	75	173304	46.759	ug/l	99
37) Ethyl Acetate	7.10	43	101556	45.909	ug/l	99
38) Carbon Tetrachloride	7.92	117	152795	46.935	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	230879	46.955	ug/l	99
40) Benzene	8.18	78	507694	46.576	ug/l	99
41) Methacrylonitrile	7.35	41	54066m	48.677	ug/l	
42) 1,2-Dichloroethane	8.26	62	133657	45.008	ug/l	100
43) Isopropyl Acetate	8.29	43	193053	45.996	ug/l	100
44) Trichloroethene	8.96	130	125213	46.016	ug/l	98
45) 1,2-Dichloropropane	9.23	63	126627	46.385	ug/l	99
46) Dibromomethane	9.32	93	65417	45.815	ug/l	99
47) Bromodichloromethane	9.51	83	158759	46.070	ug/l	99
48) Methyl methacrylate	9.31	41	86786	45.720	ug/l	98
49) 1,4-Dioxane	9.31	88	18703	927.419	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	494905	229.499	ug/l	99
52) Toluene	10.25	92	314519	46.257	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	177614	46.622	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	205271	46.816	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	96251	45.716	ug/l	98
56) Ethyl methacrylate	10.52	69	147026	46.550	ug/l	98
57) 1,3-Dichloropropane	10.80	76	173438	46.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	286412	240.387	ug/l	100
59) 2-Hexanone	10.85	43	372142	229.998	ug/l	100
60) Dibromochloromethane	10.99	129	106744	45.986	ug/l	100
61) 1,2-Dibromoethane	11.10	107	93980	47.209	ug/l	99
64) Tetrachloroethene	10.73	164	98503	44.916	ug/l	98
65) Chlorobenzene	11.52	112	319929	45.871	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	108702	46.202	ug/l	99
67) Ethyl Benzene	11.60	91	608052	46.979	ug/l	100
68) m/p-Xylenes	11.71	106	450805	93.240	ug/l	100
69) o-Xylene	12.03	106	212458	46.222	ug/l	98
70) Styrene	12.05	104	375656	47.025	ug/l	99
71) Bromoform	12.22	173	63175	46.986	ug/l #	100
73) Isopropylbenzene	12.34	105	577178	46.116	ug/l	99
74) N-amyl acetate	12.15	43	182300	45.640	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	124879	46.730	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	88487m	46.953	ug/l	
77) Bromobenzene	12.61	156	122672	45.213	ug/l	99
78) n-propylbenzene	12.67	91	715291	46.926	ug/l	100
79) 2-Chlorotoluene	12.76	91	399954	46.782	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	486507	46.959	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	47042	47.356	ug/l #	85
82) 4-Chlorotoluene	12.86	91	420831	46.671	ug/l	99
83) tert-Butylbenzene	13.08	119	413050	47.669	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	481093	46.578	ug/l	100
85) sec-Butylbenzene	13.26	105	601853	47.226	ug/l	100
86) p-Isopropyltoluene	13.38	119	520202	46.987	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	239528	45.521	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	244128	45.897	ug/l	100
89) n-Butylbenzene	13.70	91	535755	47.359	ug/l	99
90) Hexachloroethane	13.97	117	96936	46.472	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	220970	45.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20586	46.677	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	142813	44.380	ug/l	99
94) Hexachlorobutadiene	15.12	225	69698	43.551	ug/l	97
95) Naphthalene	15.24	128	342278	46.131	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	125812	44.440	ug/l	100

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

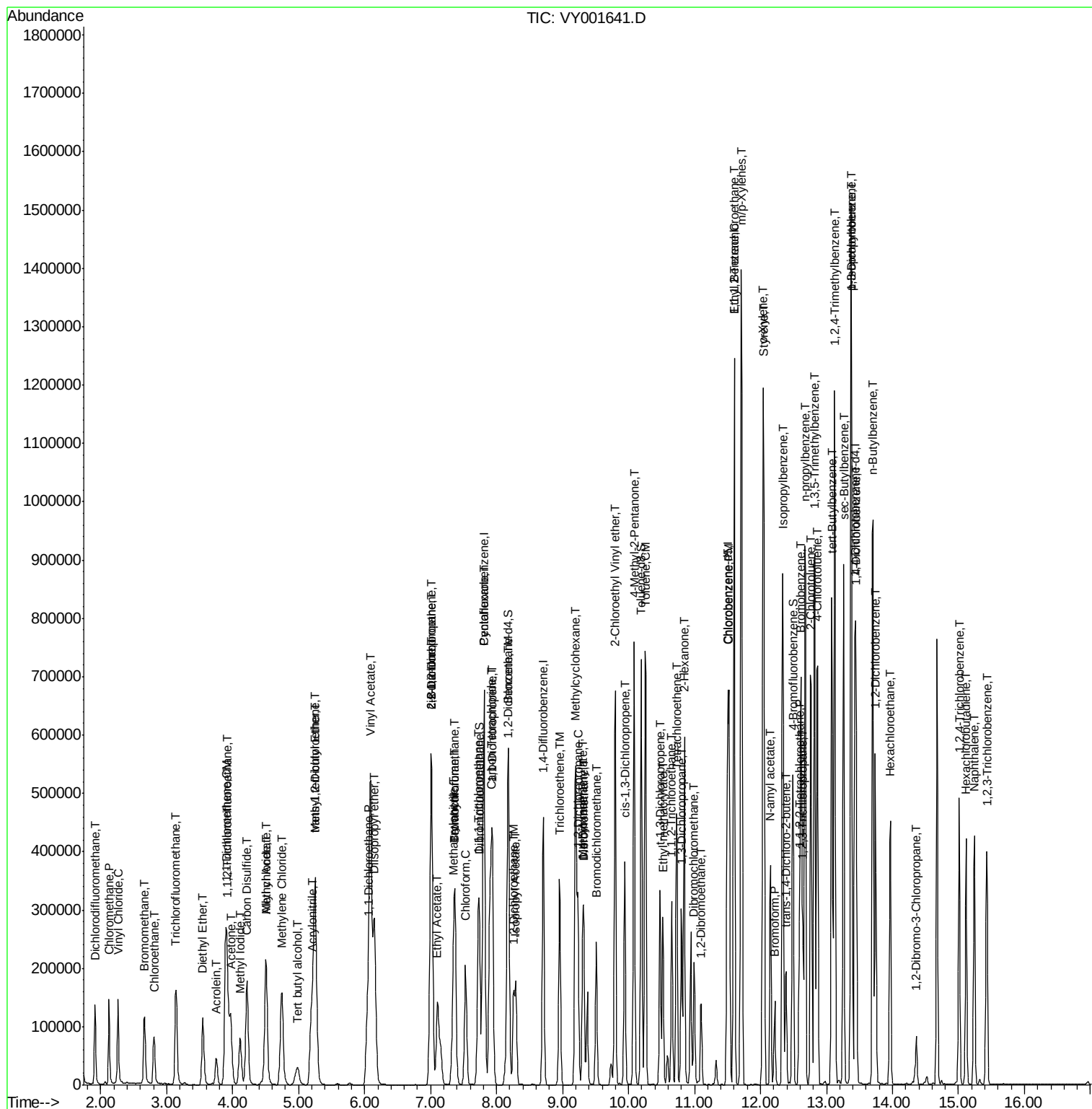
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
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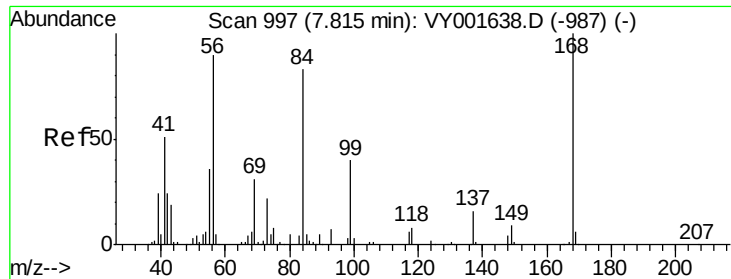
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

ICVY021720

Tot Ion:168 Resp: 220999

Ion Ratio Lower Upper

168 100

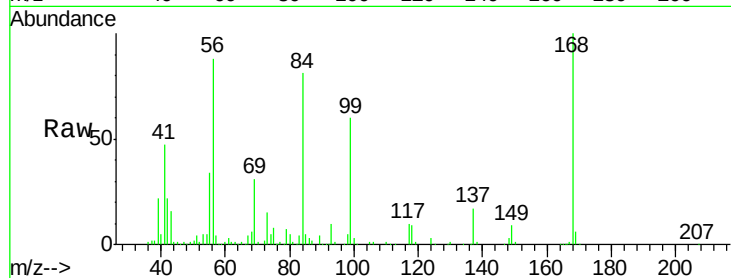
99 59.5 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.81

100000

80000

60000

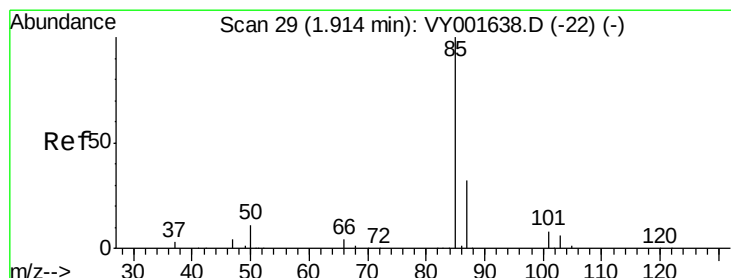
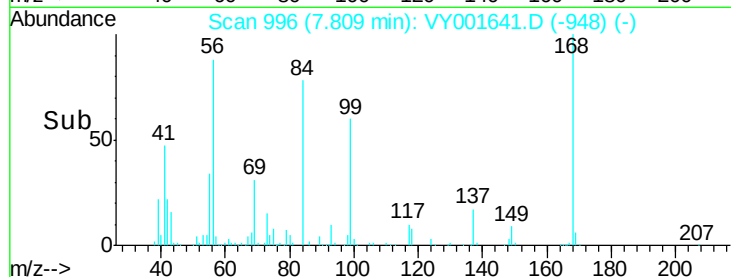
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.517 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY001641.D

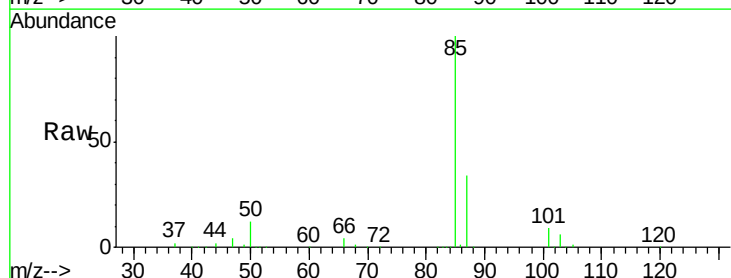
Acq: 17 Feb 2020 13:03

Tgt Ion: 85 Resp: 108826

Ion Ratio Lower Upper

85 100

87 34.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)

1.91

80000

60000

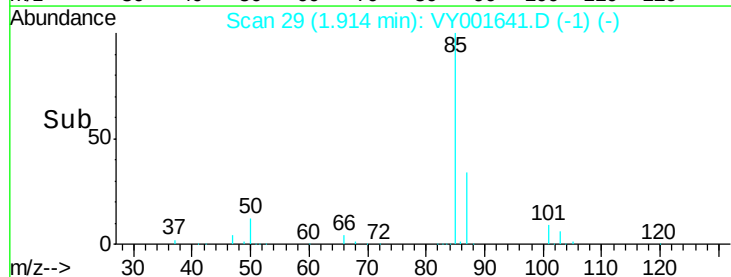
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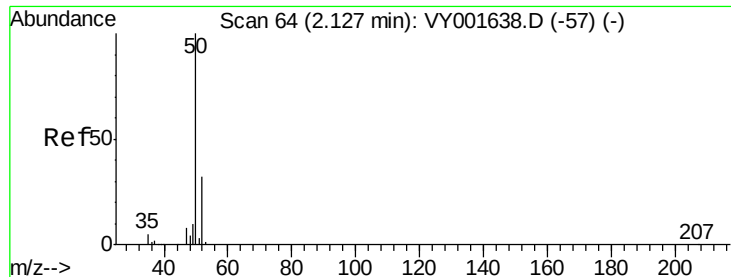
20000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 46.347 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Tot Ion: 50 Resp: 134293

Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.6

Instrument :

MSVOA_Y

ClientSampleId :

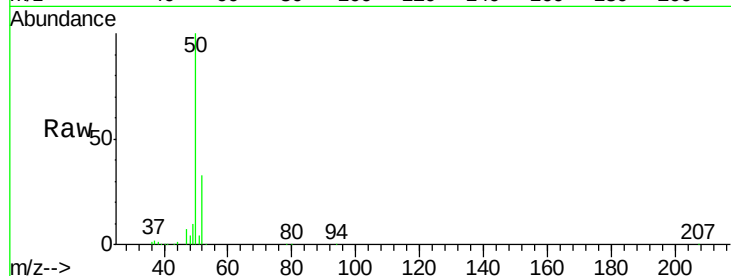
ICVY021720

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

100000

80000

60000

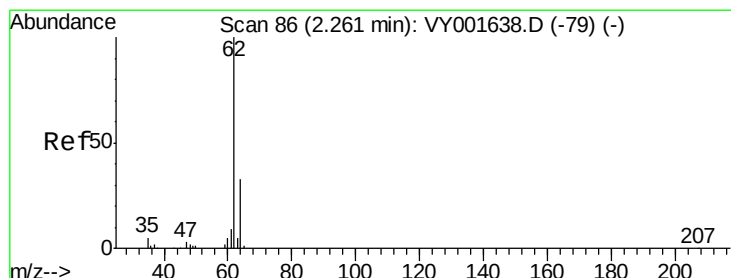
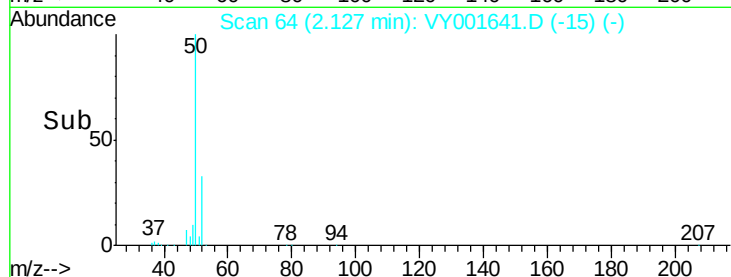
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20000

0

Time-->

2.05 2.10 2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 48.149 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY001641.D

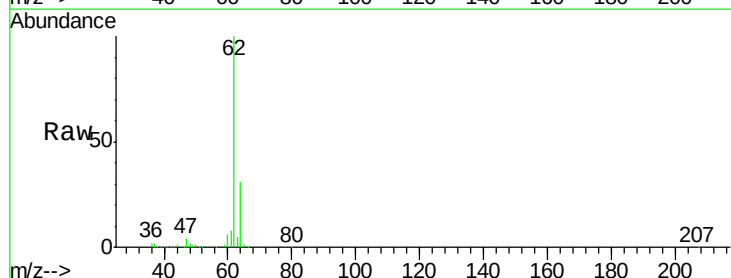
Acq: 17 Feb 2020 13:03

Tgt Ion: 62 Resp: 140717

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

100000

80000

60000

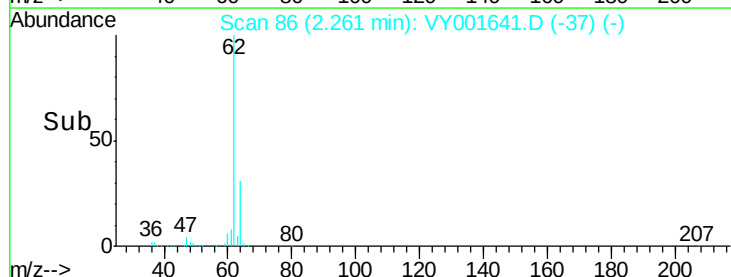
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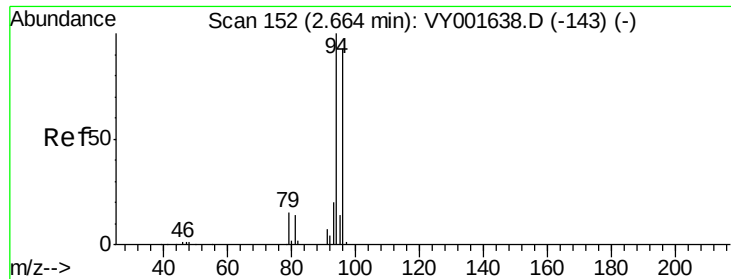
20000

0

Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 47.294 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

ICVY021720

Tot Ion: 94 Resp: 86384

Ion Ratio Lower Upper

94 100

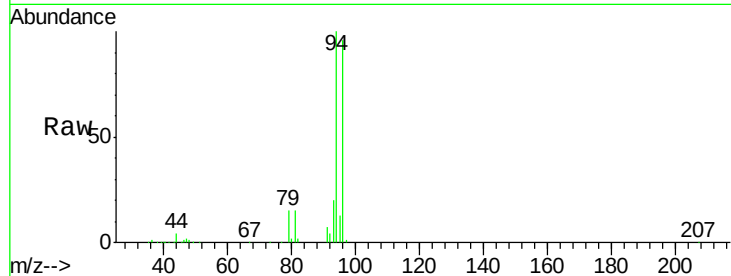
96 95.9 73.7 110.5

Manual Integrations

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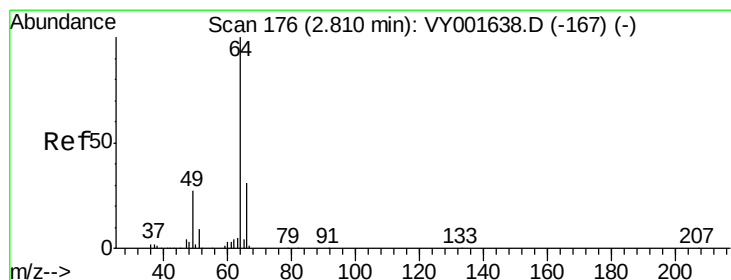
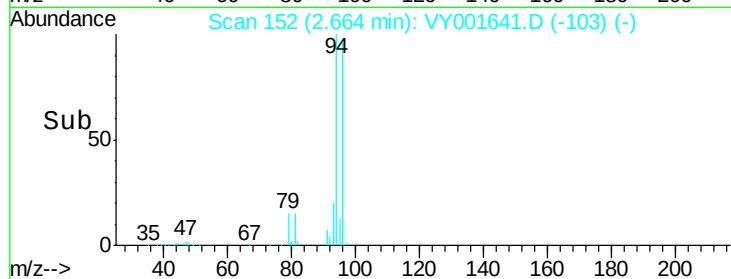
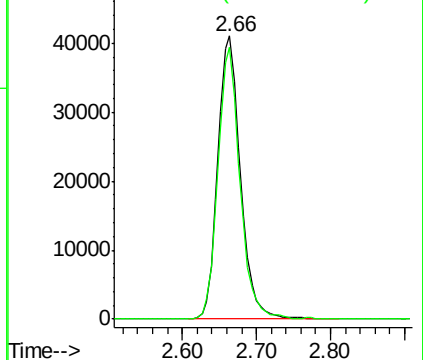
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2/19/2020 10:50:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.730 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.00 min

Lab File: VY001641.D

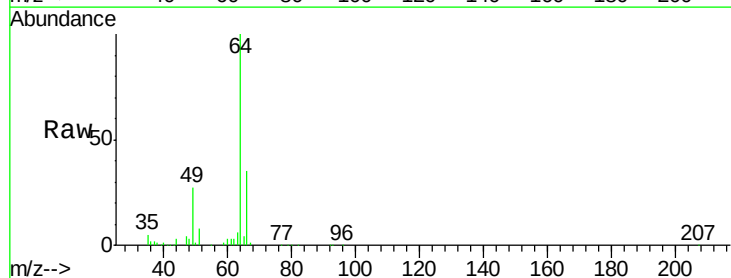
Acq: 17 Feb 2020 13:03

Tgt Ion: 64 Resp: 82357

Ion Ratio Lower Upper

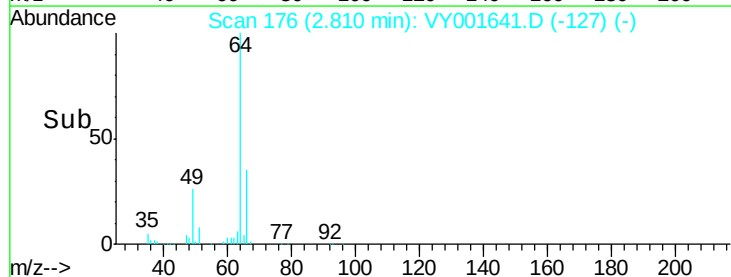
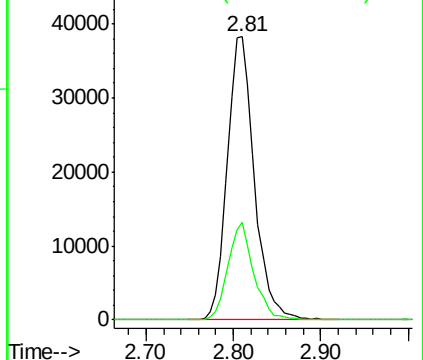
64 100

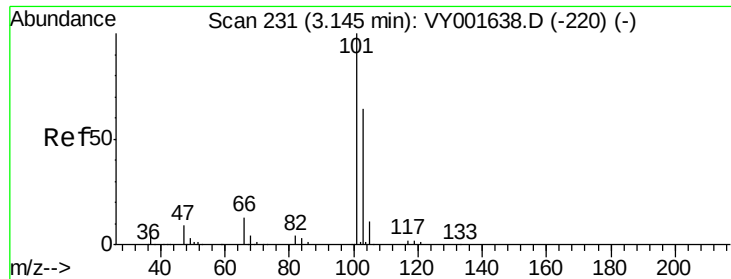
66 34.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

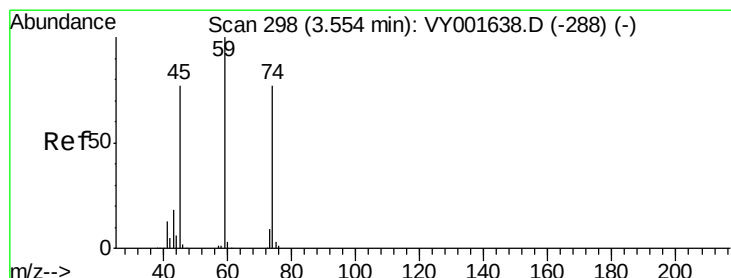
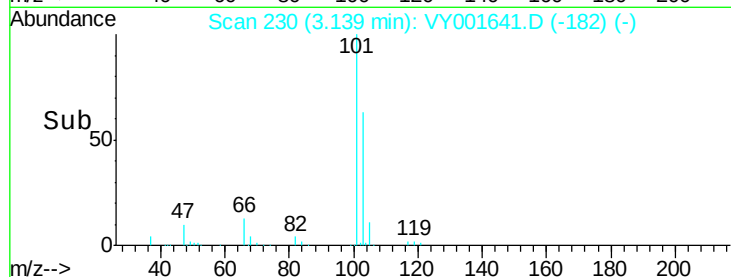
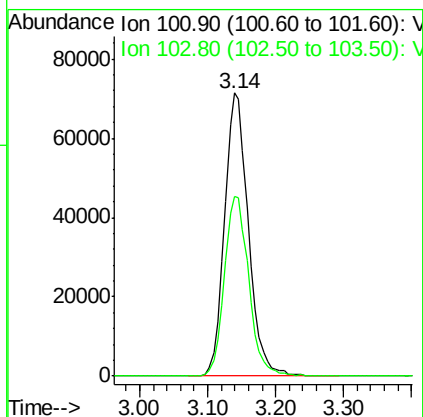
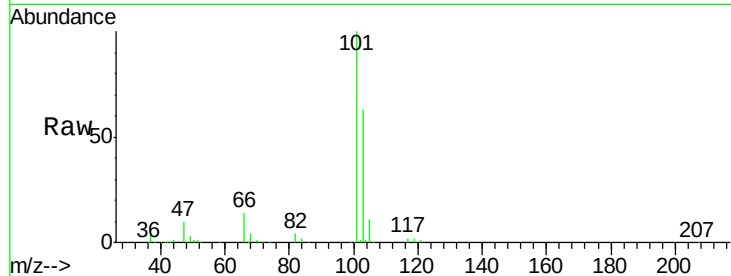
Trichlorofluoromethane
 Concen: 46.254 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001641.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.2	78.2

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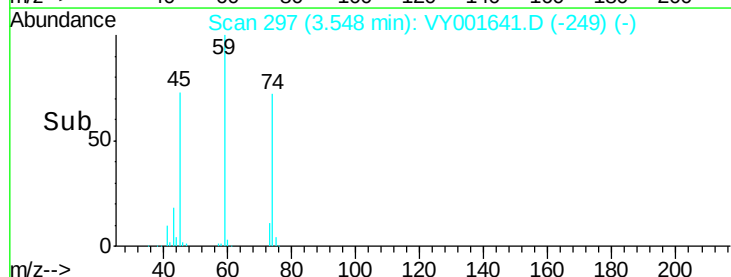
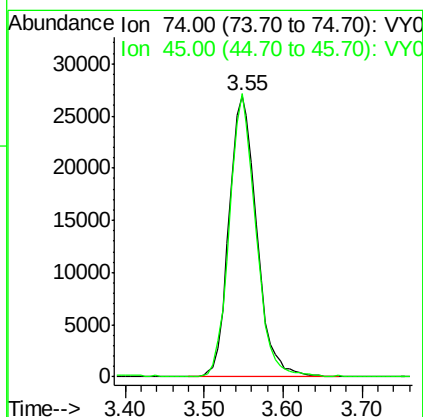
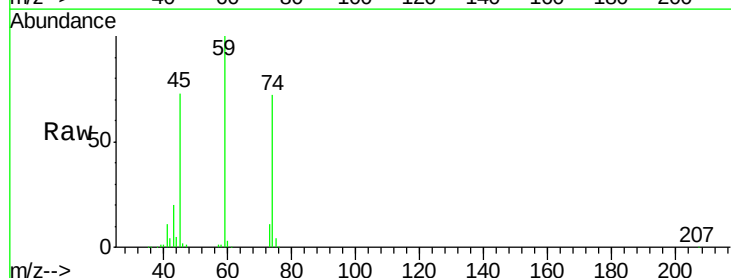
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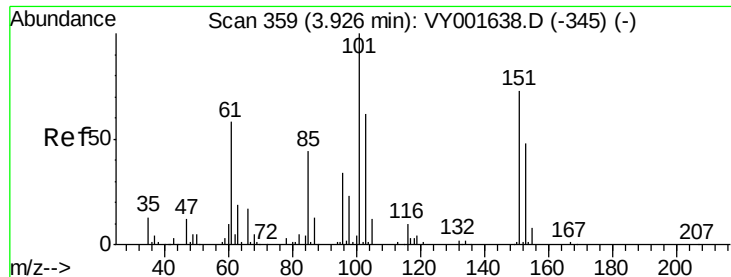


#8

Diethyl Ether
 Concen: 44.520 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.772 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

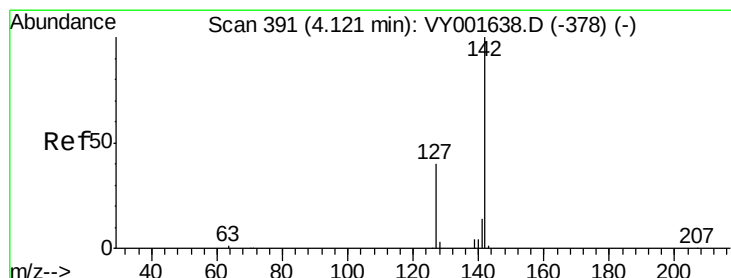
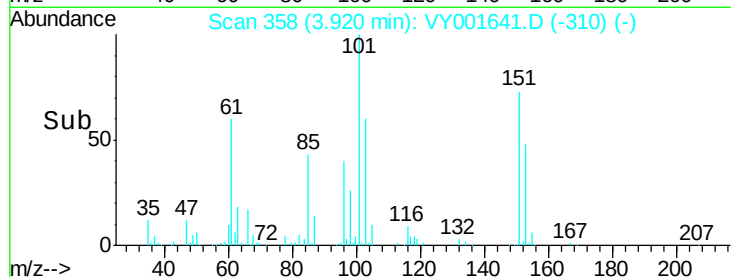
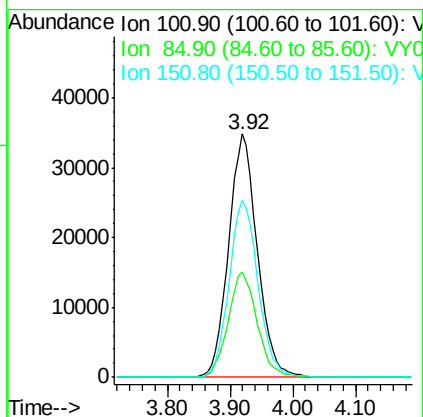
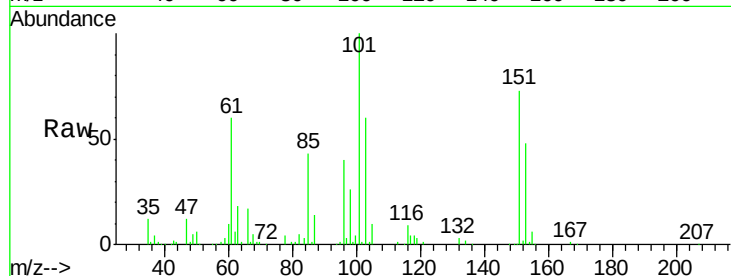
ClientSampleId :

ICVY021720

Tot Ion:	101	Resp:	109963
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.1	52.7
151	73.7	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 48.247 ug/l

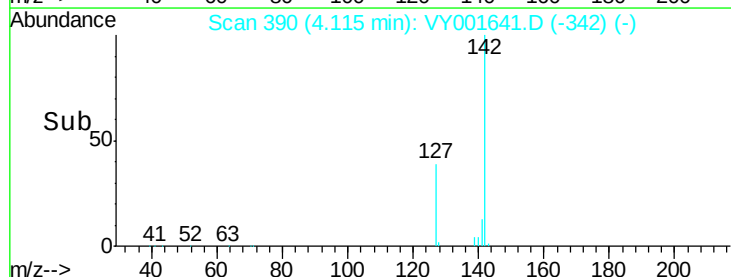
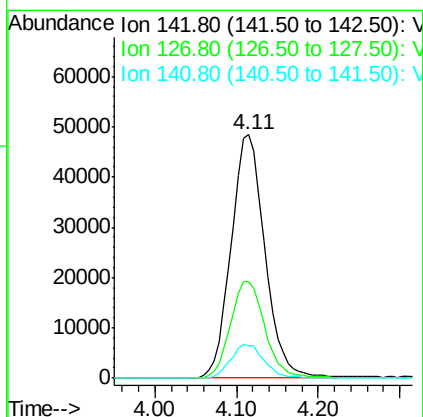
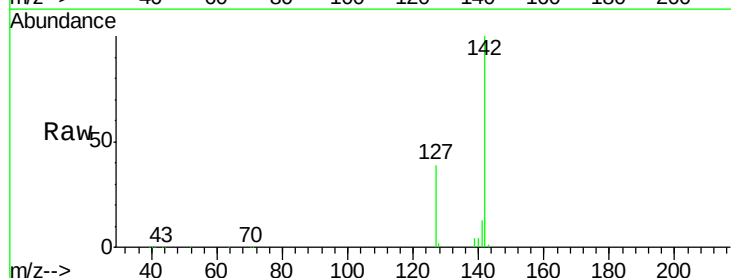
RT: 4.11 min Scan# 390

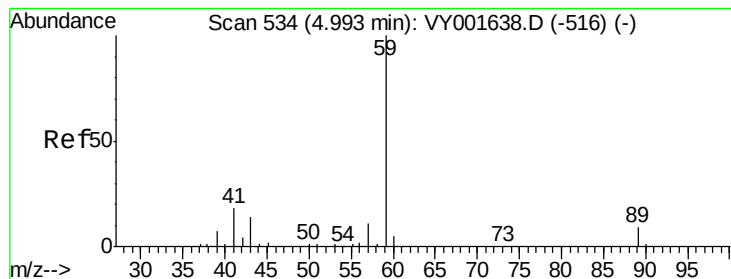
Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Tgt Ion:	142	Resp:	138823
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.1	48.1
141	13.9	11.3	16.9





#11

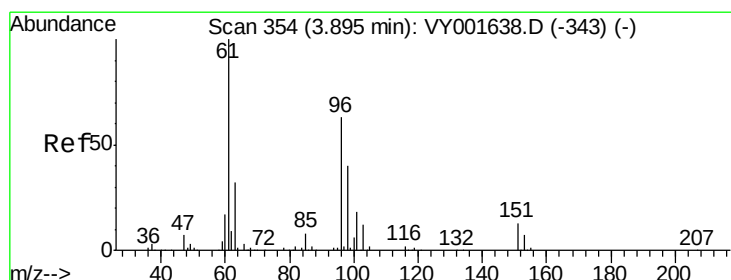
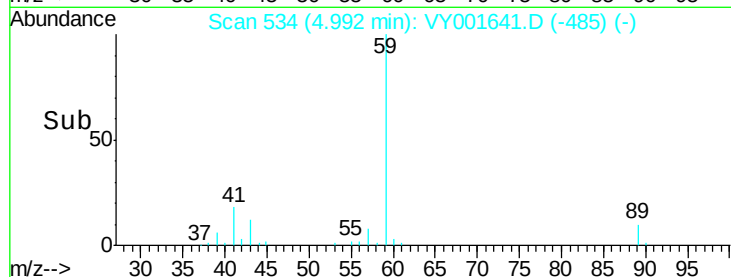
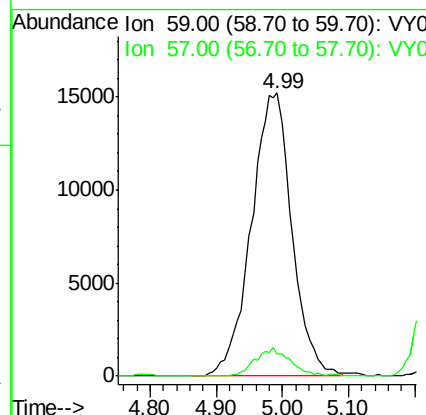
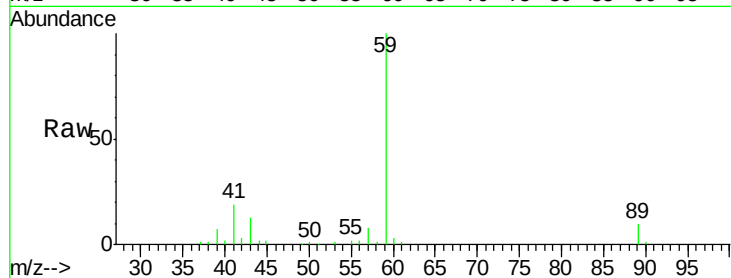
Tert butyl alcohol
Concen: 233.662 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	59	Resp	64804
Ion Ratio	100	Lower	Upper
57	8.5	7.4	11.2

Manual Integrations
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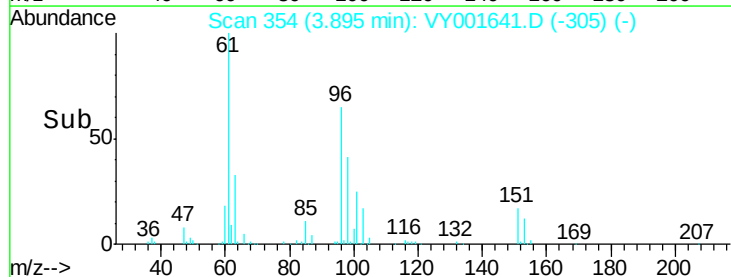
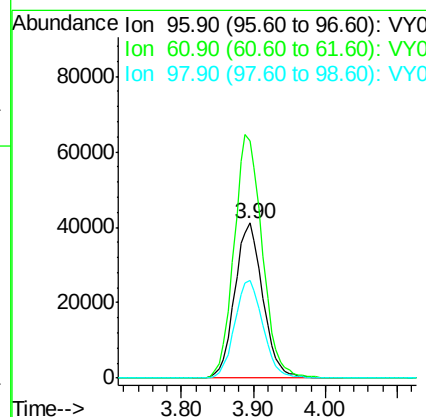
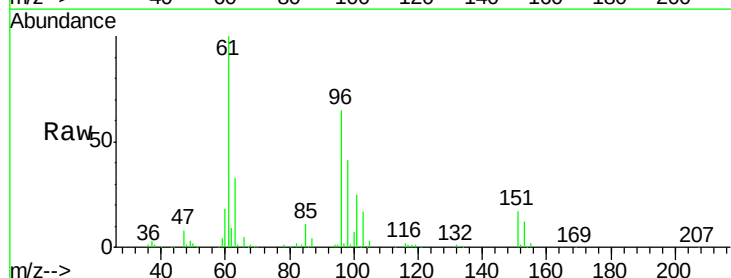
MMDadoda
2/19/2020 10:50:14 AM

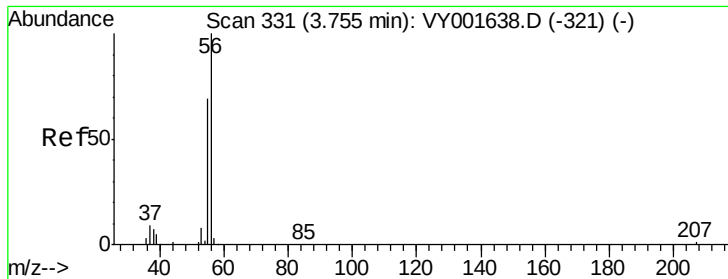


#12

1,1-Dichloroethene
Concen: 46.492 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	96	Resp	111481
Ion Ratio	100	Lower	Upper
61	153.2	128.7	193.1
98	63.4	50.7	76.1





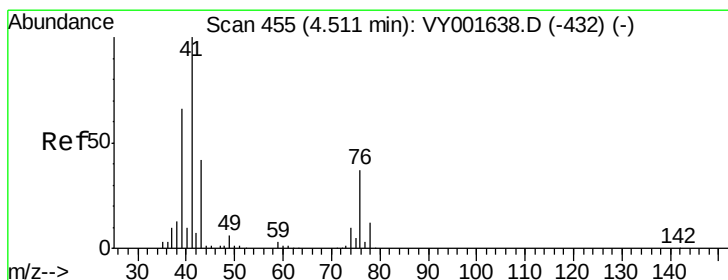
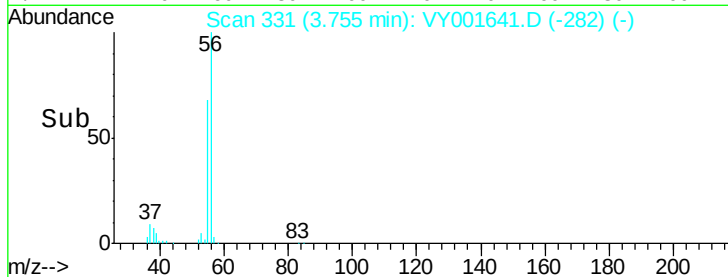
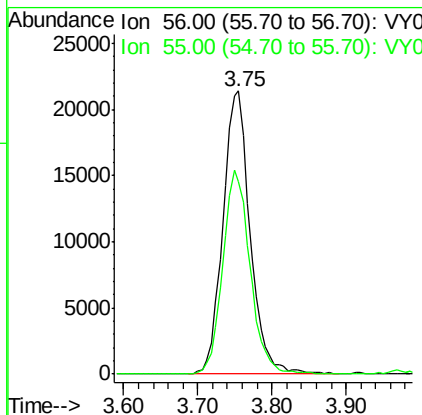
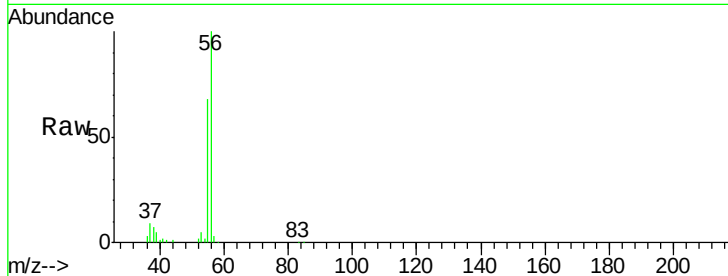
#13
Acrolein
Concen: 227.214 ug/l
RT: 3.75 min Scan# 331
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.3	56.1	84.1

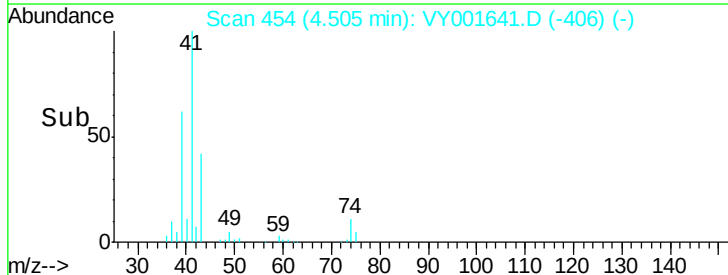
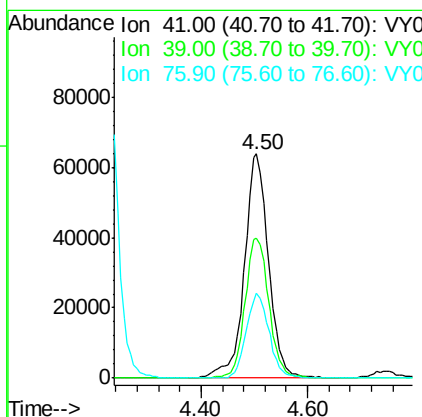
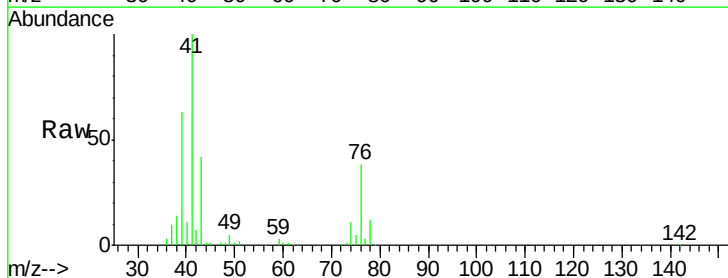
Manual Integrations
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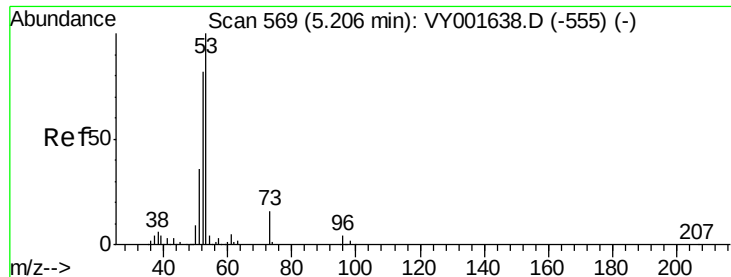
MMDadoda
2/19/2020 10:50:14 AM



#14
Allyl chloride
Concen: 46.612 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.1	49.4	74.0
76	35.9	29.0	43.6





#15

Acrylonitrile

Concen: 226.580 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

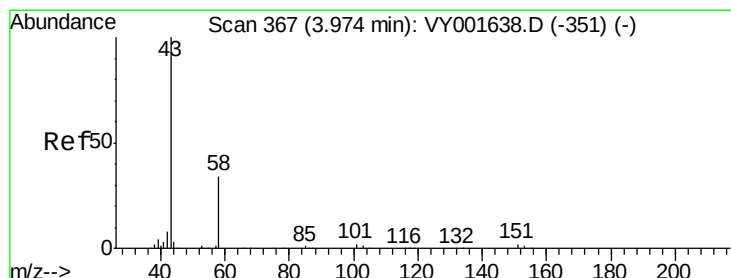
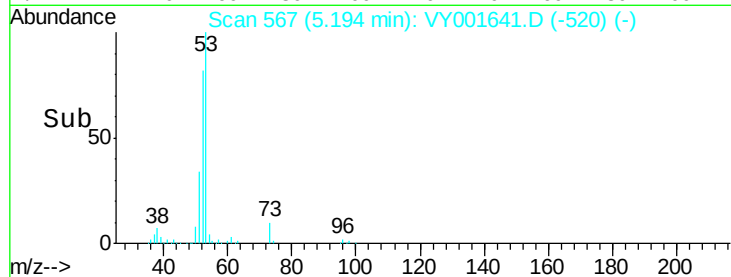
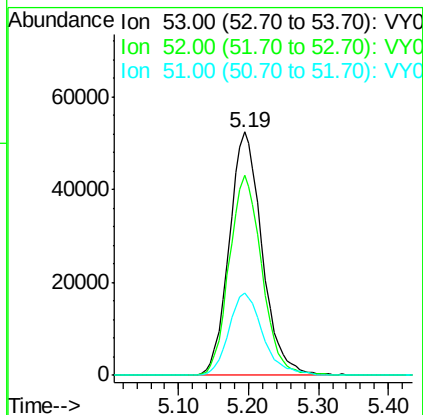
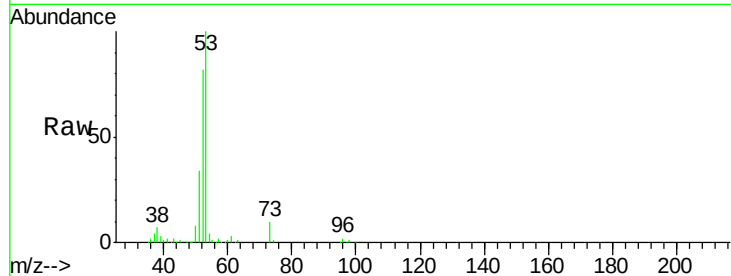
ClientSampleId :

ICVY021720

Tot Ion:	53	Resp:	171254
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.4	98.0
51	35.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 222.270 ug/l

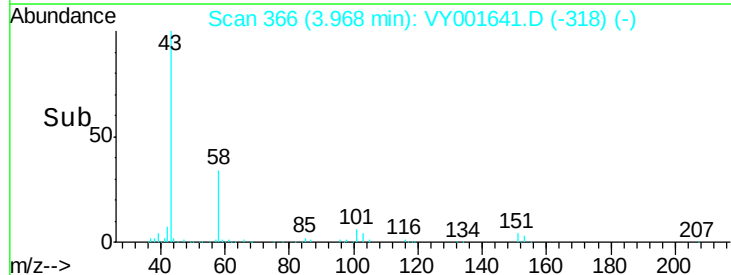
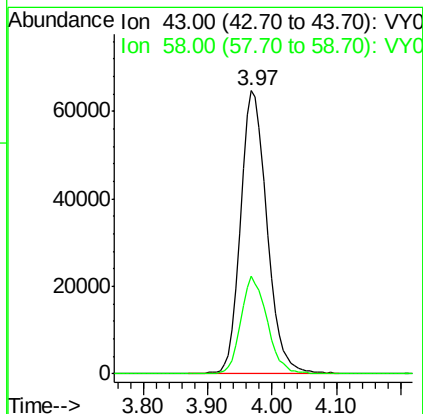
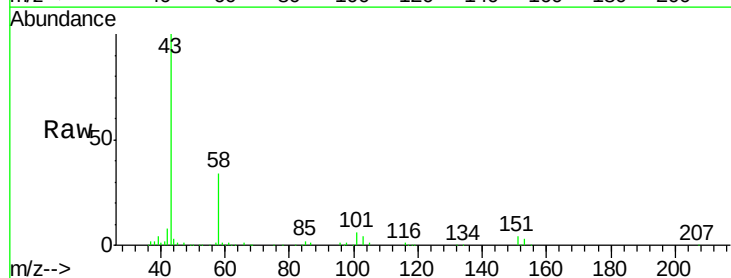
RT: 3.97 min Scan# 366

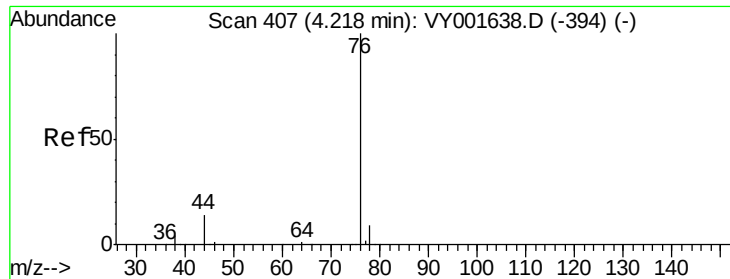
Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Tgt Ion:	43	Resp:	182823
Ion Ratio	Lower	Upper	
43	100		
58	34.4	27.3	40.9





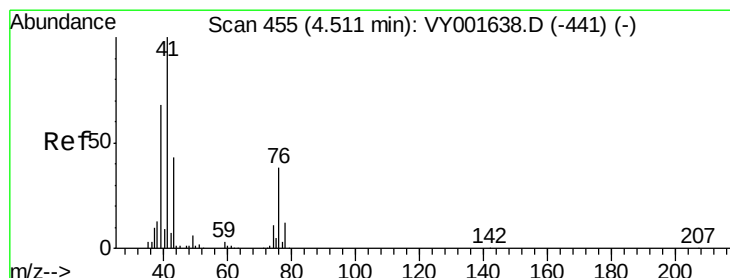
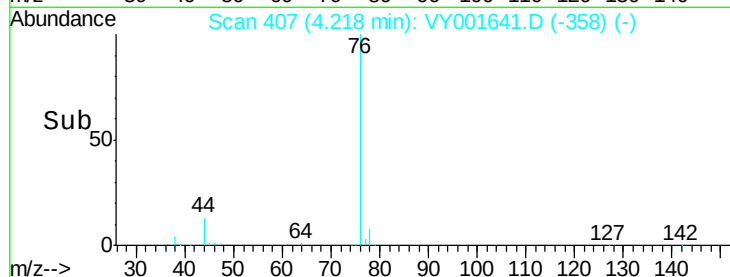
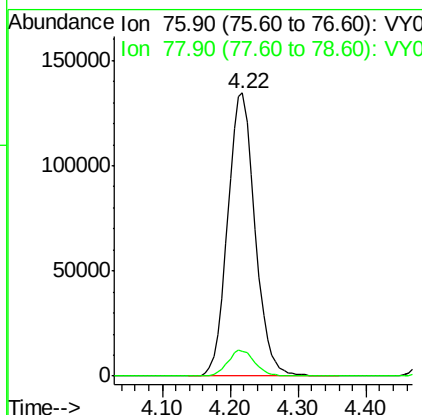
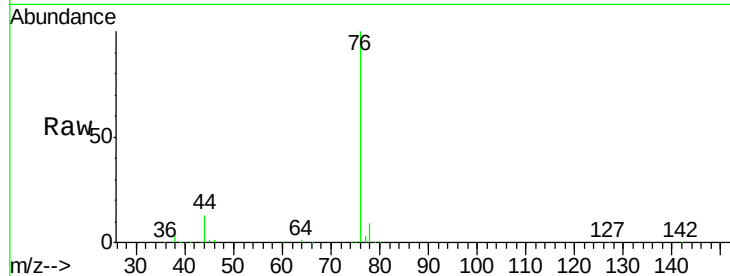
#17
Carbon Disulfide
Concen: 46.726 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY021720

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

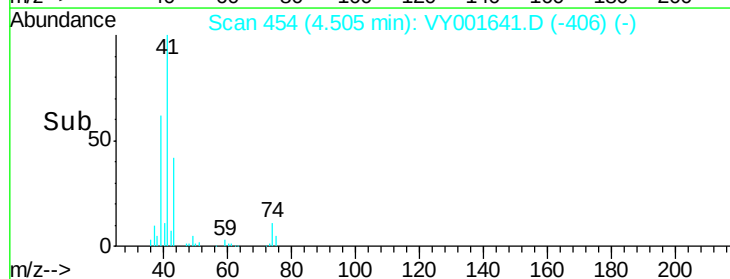
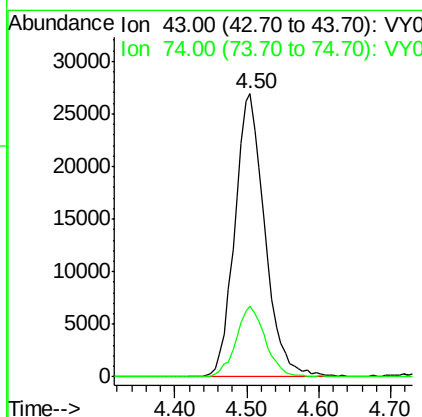
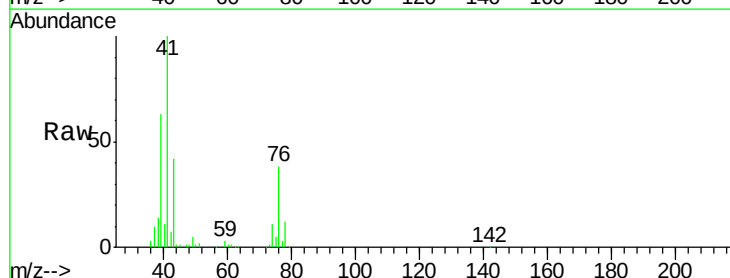
Manual Integrations
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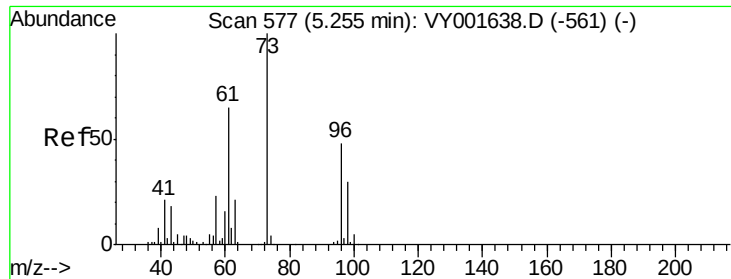
MMDadoda
2/19/2020 10:50:14 AM



#18
Methyl Acetate
Concen: 43.513 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.1	28.7





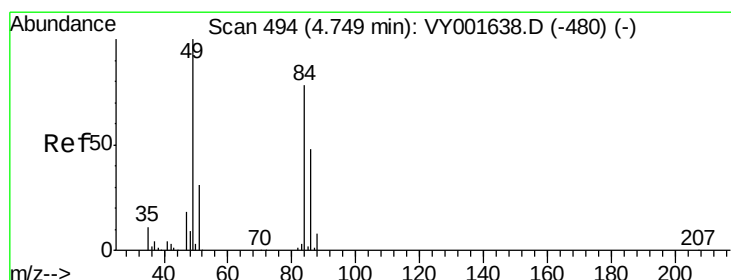
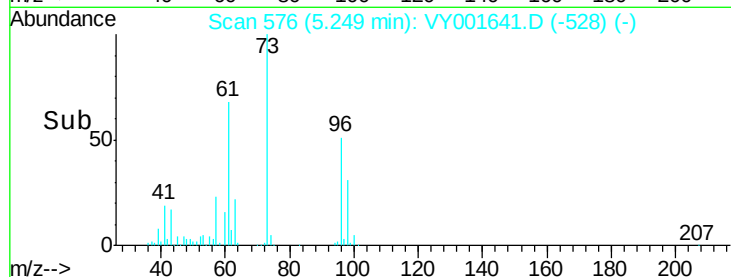
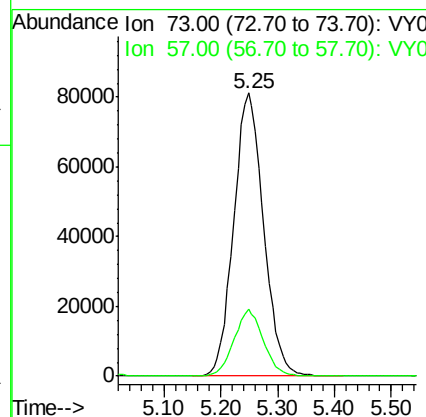
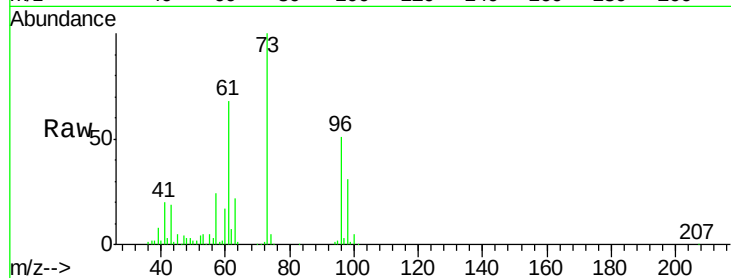
#19
Methyl tert-butyl Ether
Concen: 44.595 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion: 73 Resp: 297721
Ion Ratio Lower Upper
73 100
57 23.8 19.0 28.6

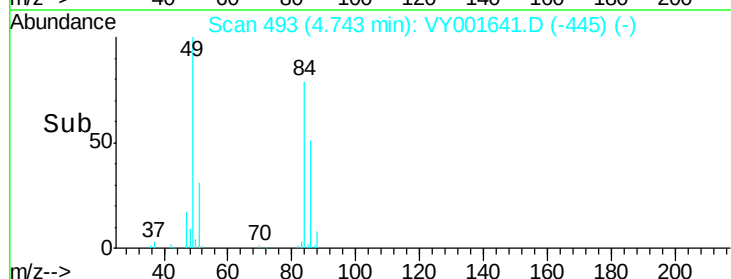
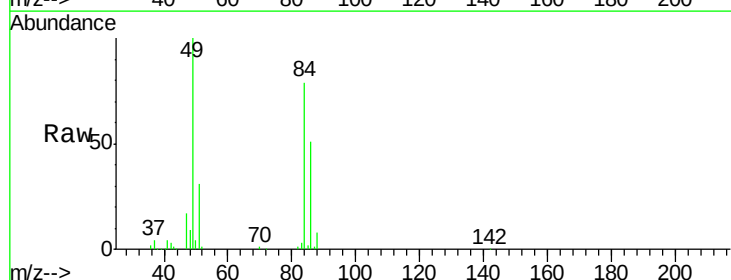
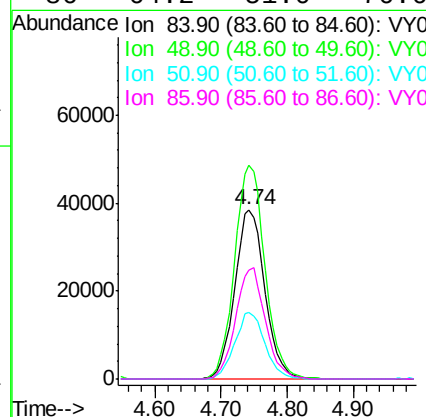
Manual Integrations
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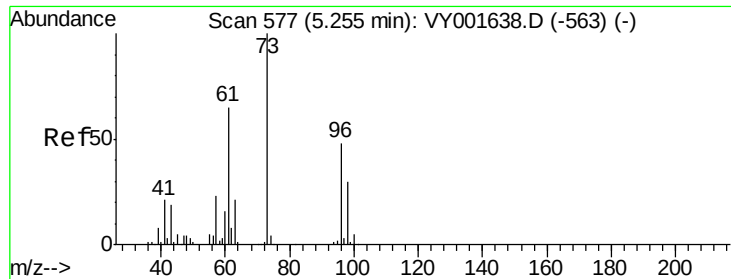
MMDadoda
2/19/2020 10:50:14 AM



#20
Methylene Chloride
Concen: 41.527 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion: 84 Resp: 121325
Ion Ratio Lower Upper
84 100
49 126.4 99.2 148.8
51 39.0 31.5 47.3
86 64.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.422 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

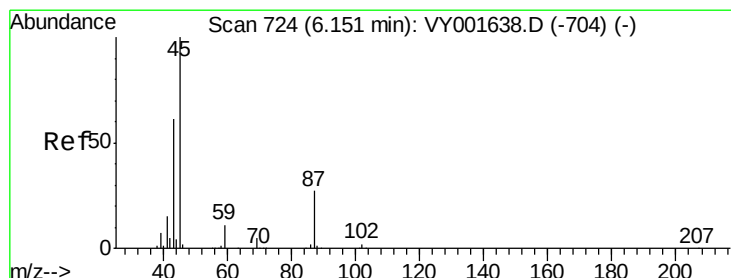
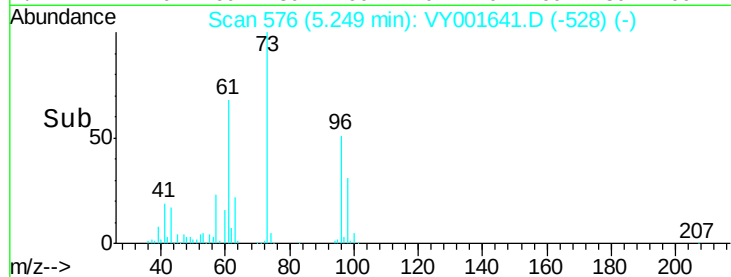
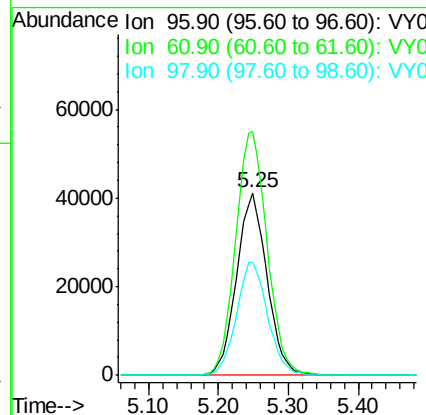
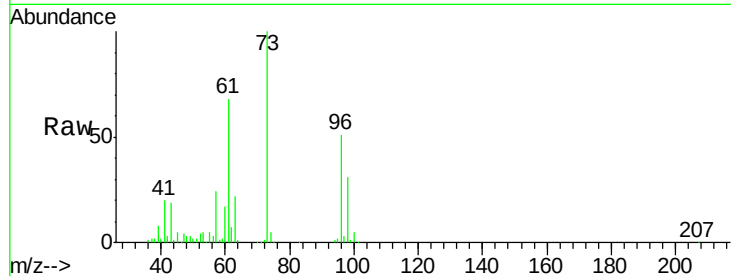
ClientSampleId :

ICVY021720

Tot Ion:	96	Resp:	124265
Ion	Ratio	Lower	Upper
96	100		
61	133.4	107.9	161.9
98	61.8	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.126 ug/l

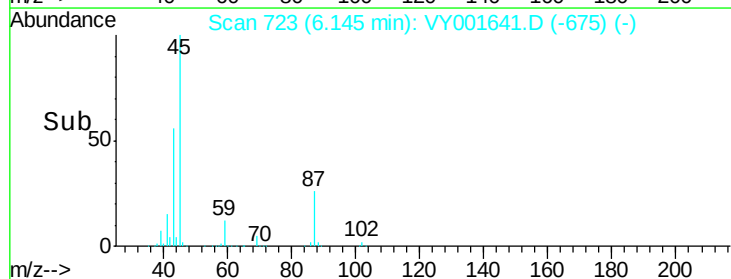
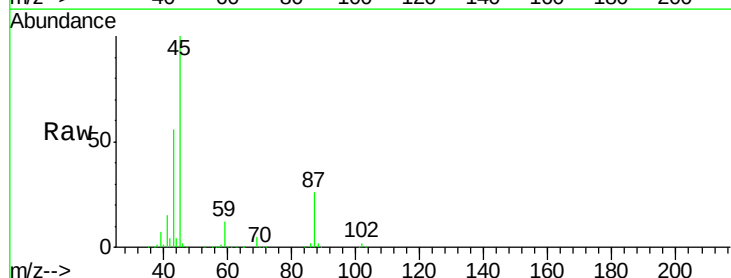
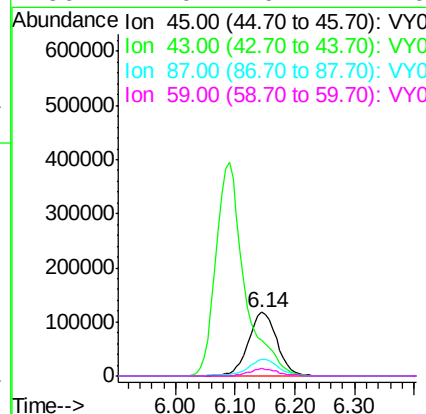
RT: 6.14 min Scan# 723

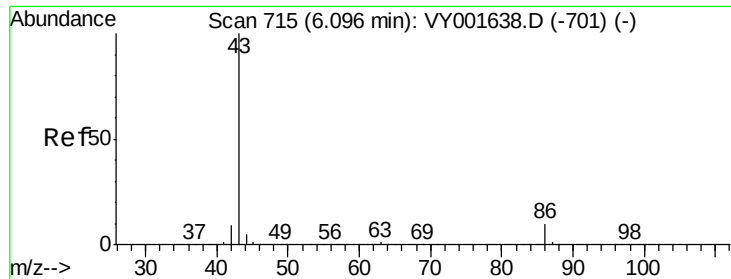
Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Tgt Ion:	45	Resp:	395481
Ion	Ratio	Lower	Upper
45	100		
43	56.0	46.4	69.6
87	25.6	22.1	33.1
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 229.646 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

ICVY021720

Tot Ion: 43 Resp: 1312795

Ion Ratio Lower Upper

43 100

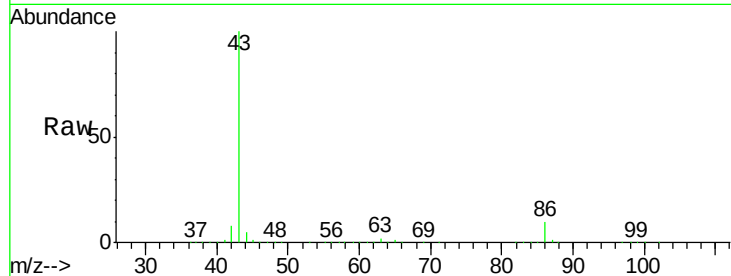
86 10.4 8.8 13.2

Manual Integrations

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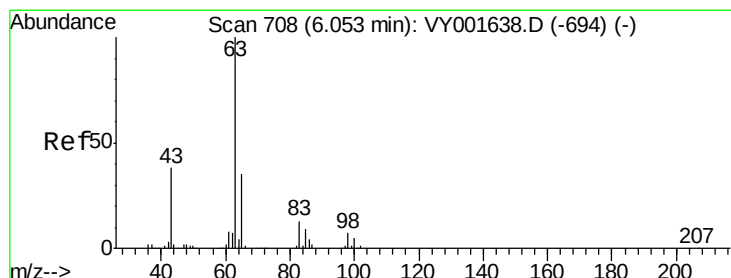
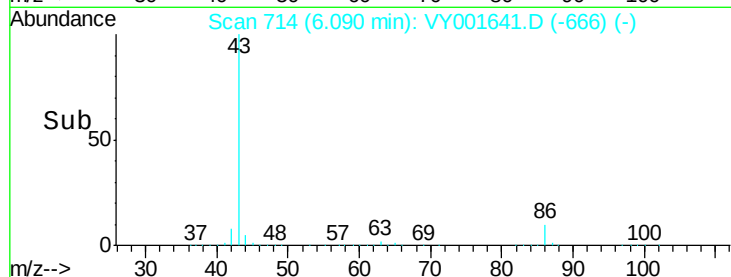
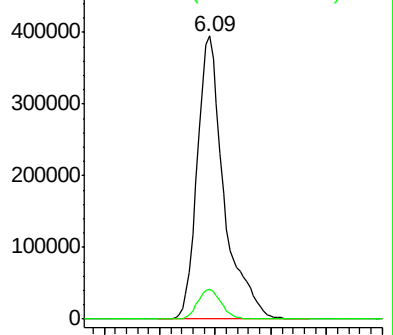
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 45.593 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

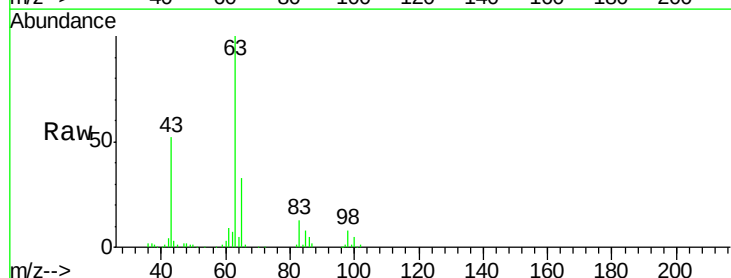
Tgt Ion: 63 Resp: 213562

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.2

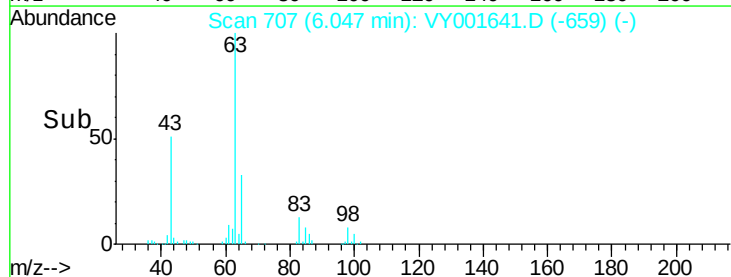
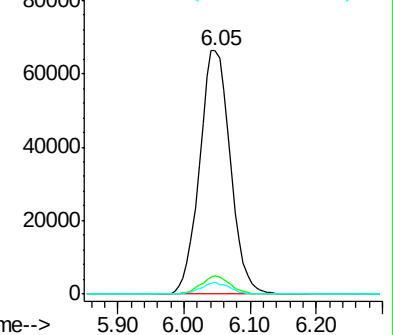
100 4.8 2.3 6.9

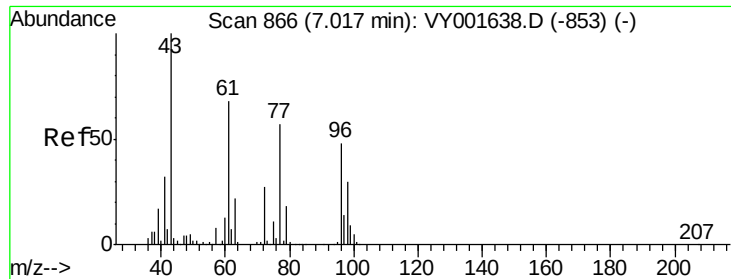


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 219.934 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

ICVY021720

Tot Ion: 43 Resp: 245747

Ion Ratio Lower Upper

43 100

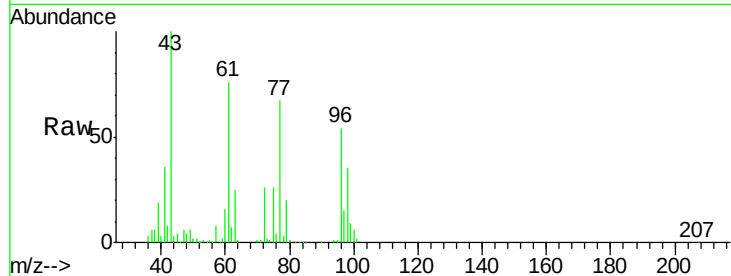
72 26.1 21.2 31.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.01

100000

80000

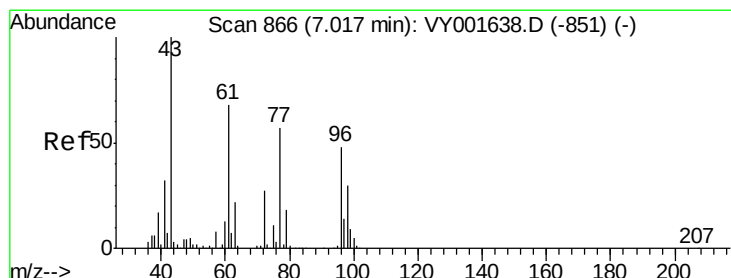
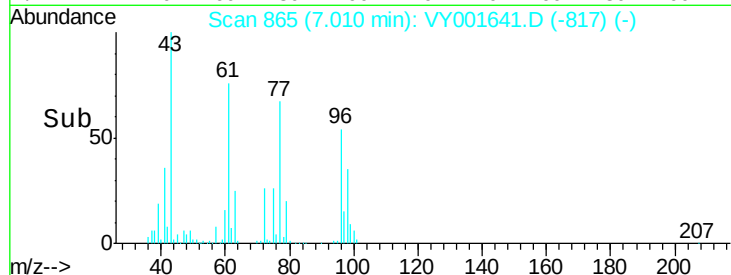
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 45.531 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001641.D

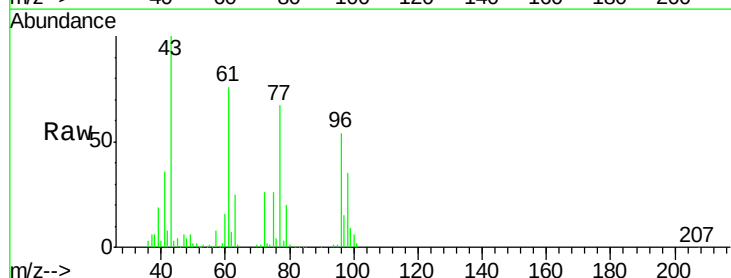
Acq: 17 Feb 2020 13:03

Tgt Ion: 77 Resp: 185551

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

7.01

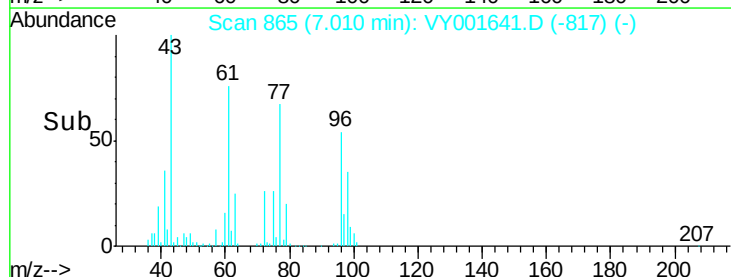
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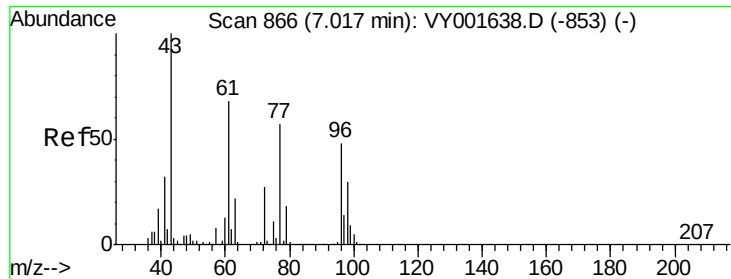
40000

20000

0

Time-->





#27

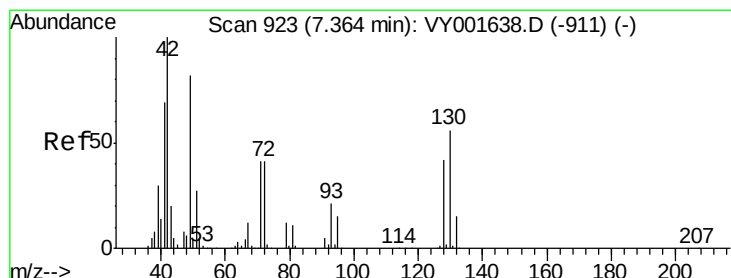
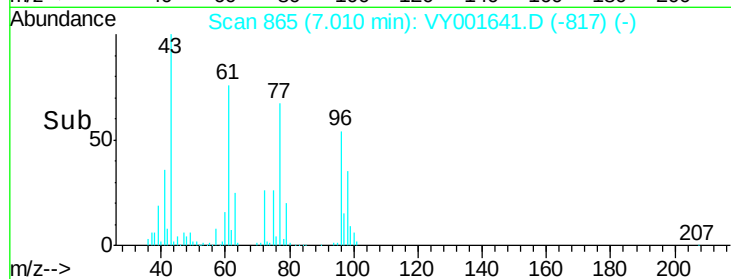
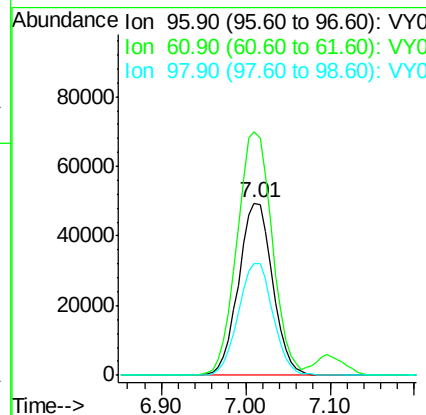
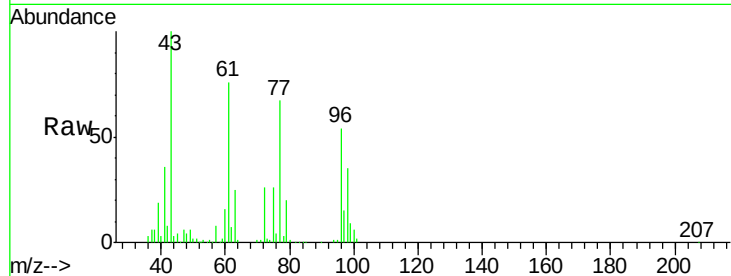
cis-1,2-Dichloroethene
Concen: 44.649 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY021720

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134831		
61	146.2	0.0	290.8	
98	66.0	0.0	128.6	

Manual Integrations
APPROVED

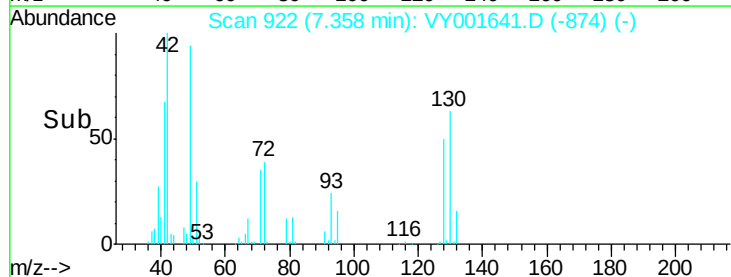
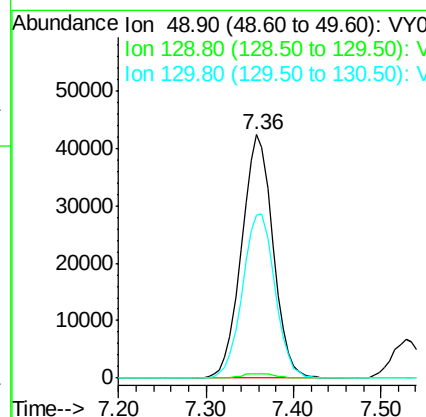
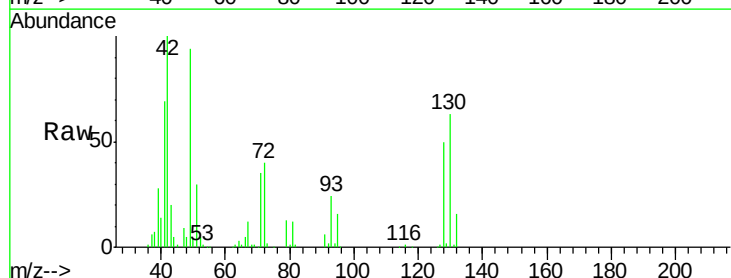
MMDadoda
2/19/2020 10:50:14 AM

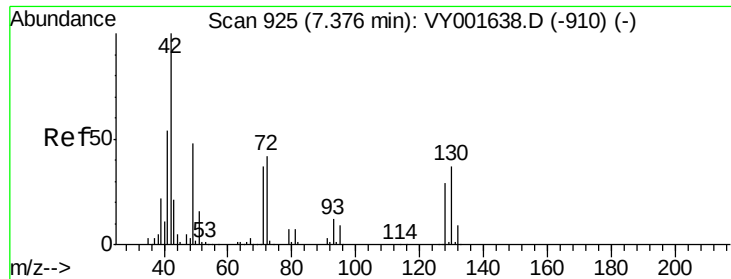


#28

Bromochloromethane
Concen: 54.052 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	105467		
129	1.9	0.0	3.6	
130	69.8	56.2	84.4	





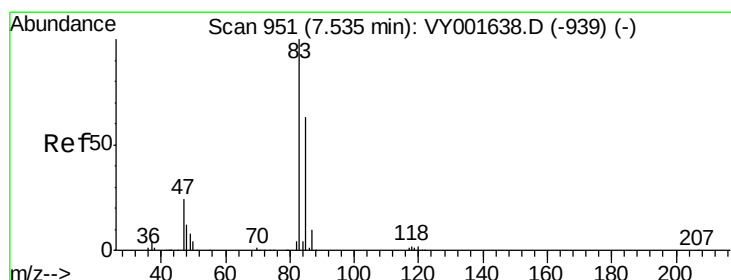
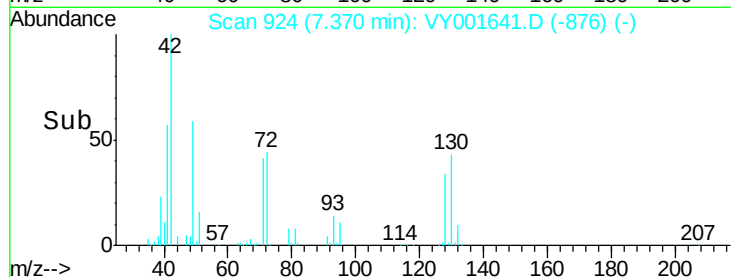
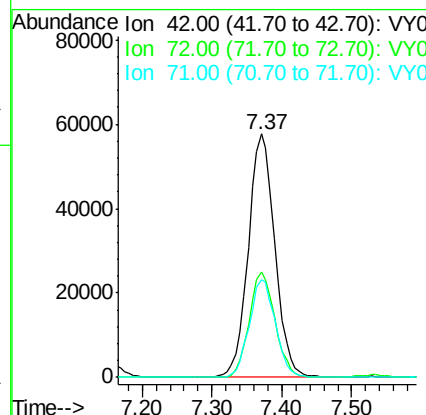
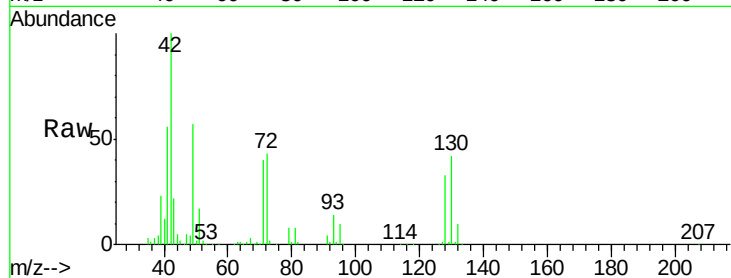
#29
Tetrahydrofuran
Concen: 225.371 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY021720

Tot Ion:	42	Resp:	152207
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.4	51.6
71	39.3	31.8	47.8

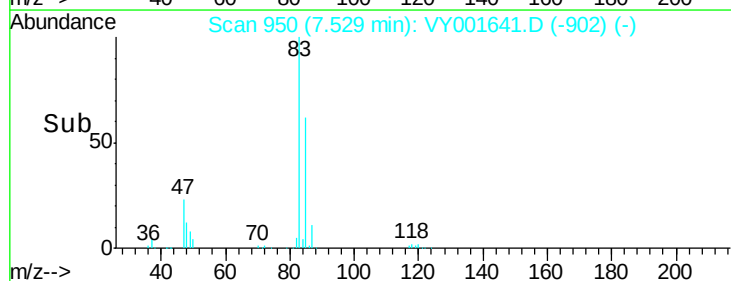
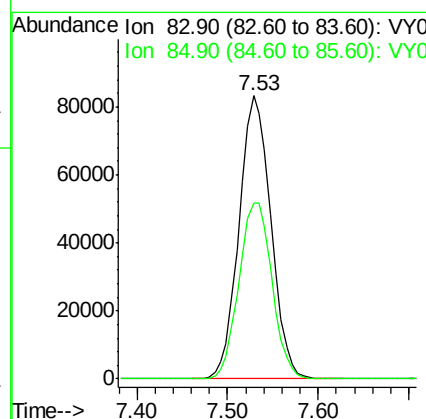
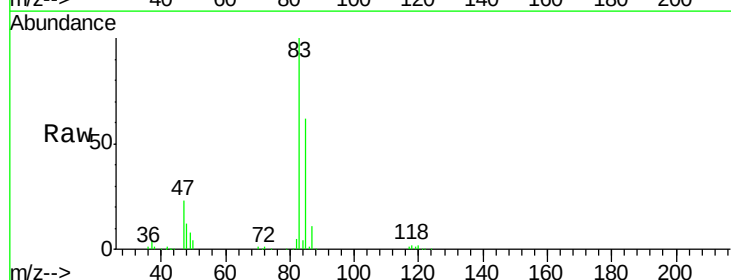
Manual Integrations
APPROVED

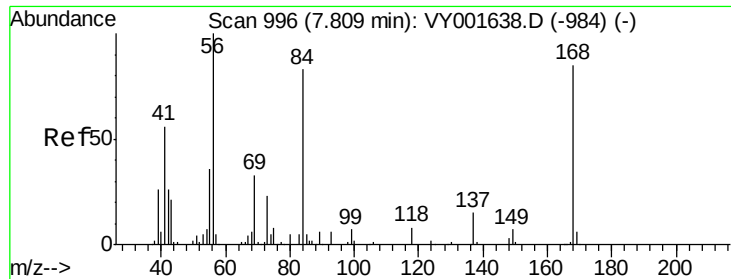
MMDadoda
2/19/2020 10:50:14 AM



#30
Chloroform
Concen: 44.353 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion:	83	Resp:	202997
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.6	77.4





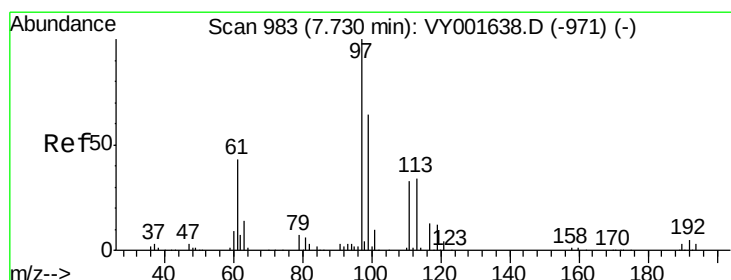
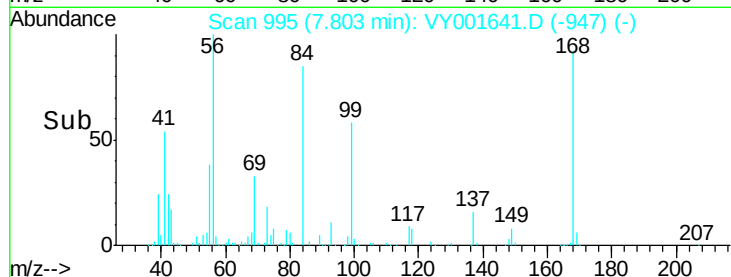
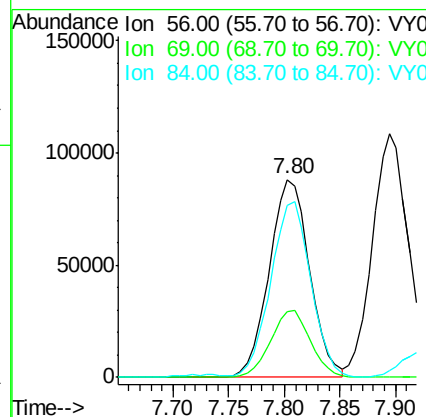
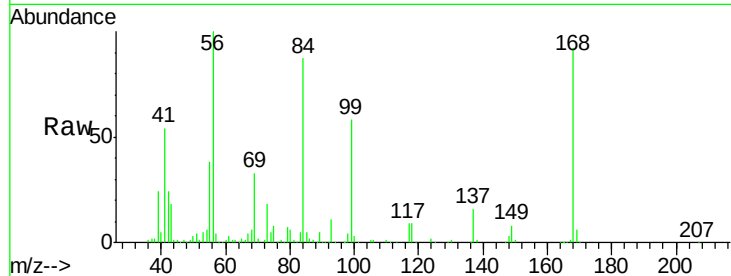
#31
Cyclohexane
Concen: 44.614 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY021720

Tot Ion	Ratio	Resp	Lower	Upper
56	100	222813		
69	32.9		25.1	37.7
84	85.4		66.9	100.3

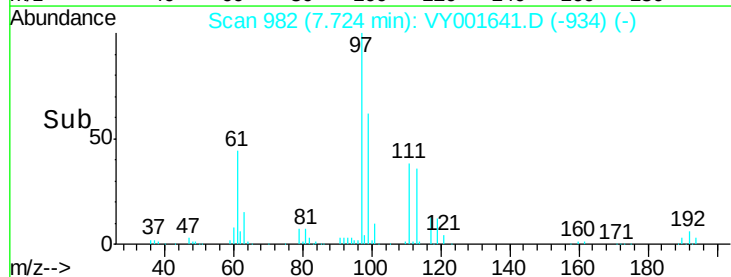
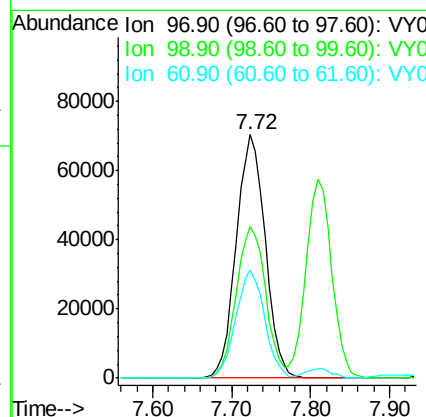
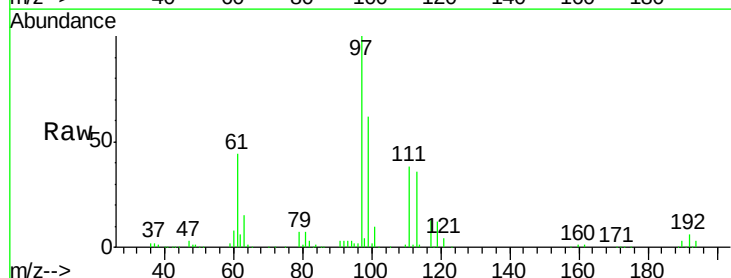
Manual Integrations
APPROVED

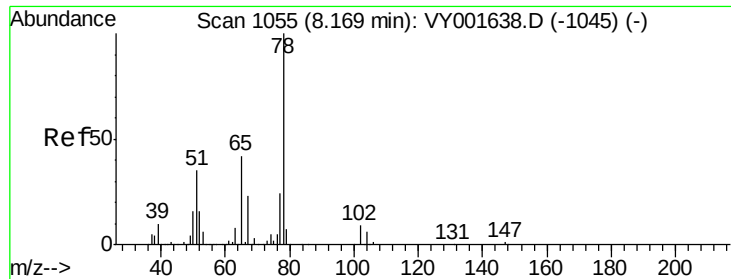
MMDadoda
2/19/2020 10:50:14 AM



#32
1,1,1-Trichloroethane
Concen: 46.790 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	179987		
99	63.1		51.2	76.8
61	43.9		35.0	52.6





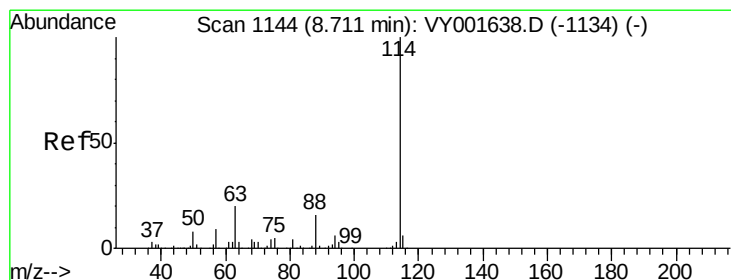
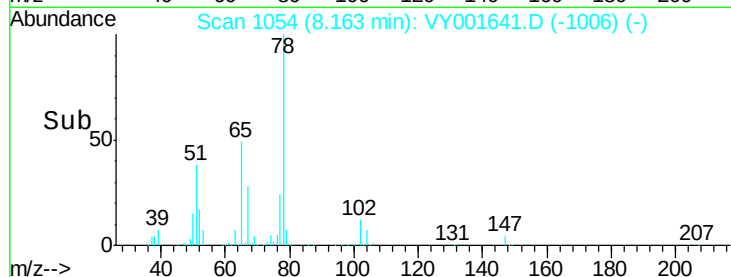
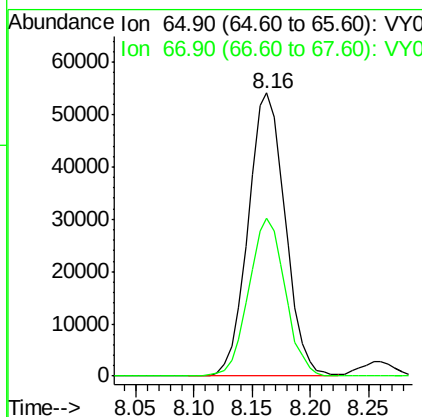
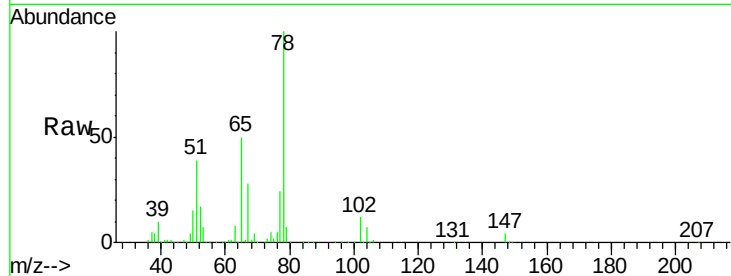
#33
 1,2-Dichloroethane-d4
 Concen: 50.496 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021720

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120037		
67	54.9	0.0	111.0	

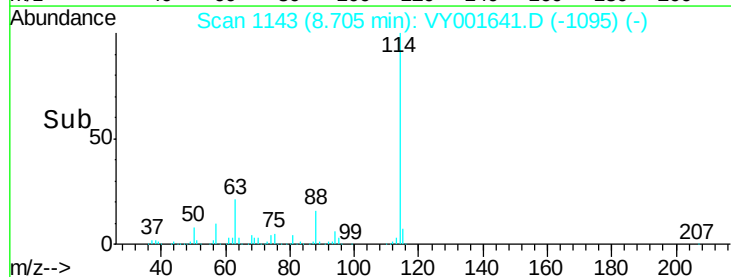
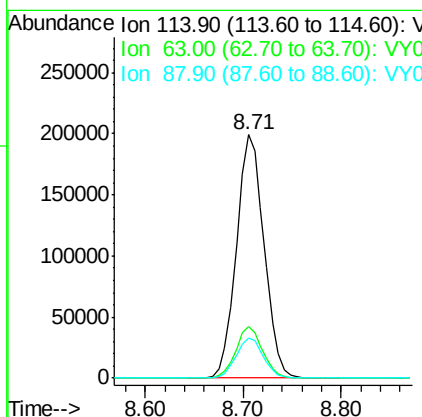
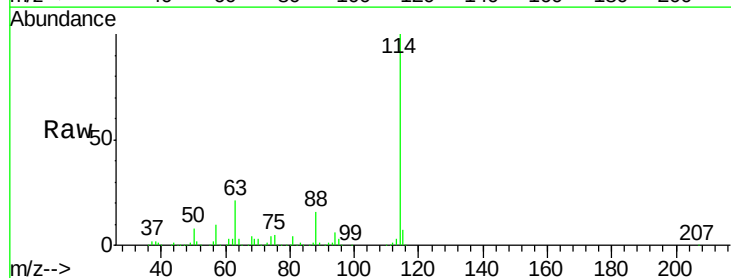
Manual Integrations
 APPROVED

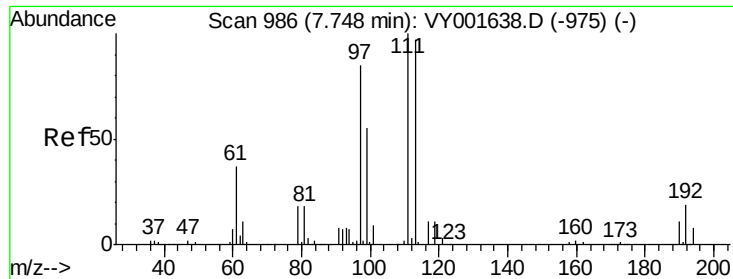
MMDadoda
 2/19/2020 10:50:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	388014		
63	21.1	0.0	41.4	
88	16.4	0.0	32.8	





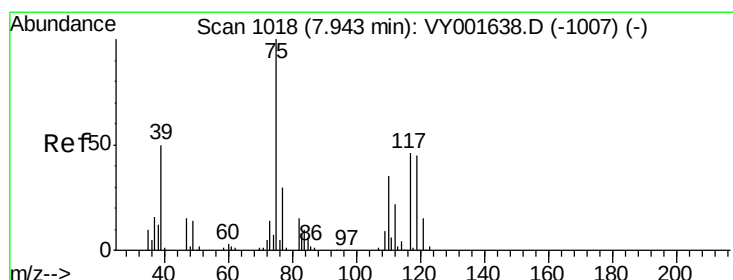
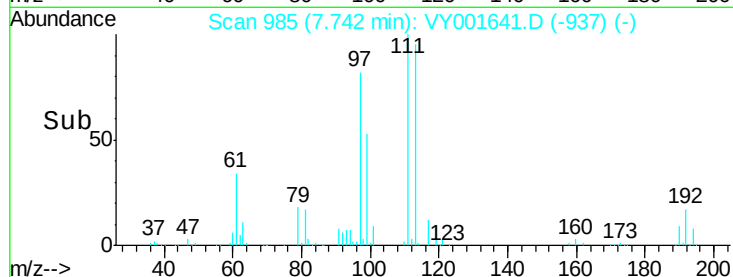
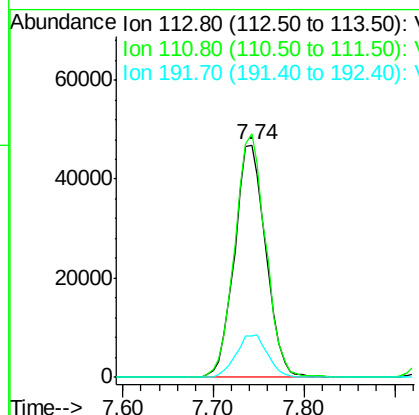
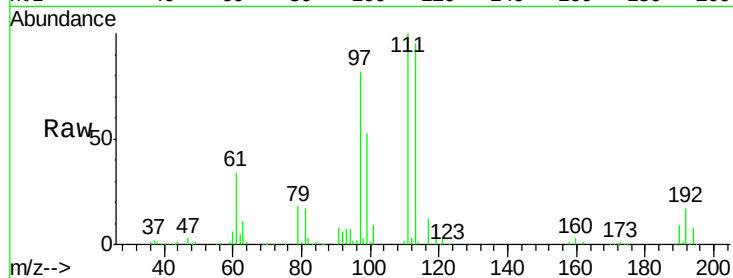
#35
Dibromofluoromethane
Concen: 50.432 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112078		
111	103.3	81.9	122.9	
192	18.5	14.3	21.5	

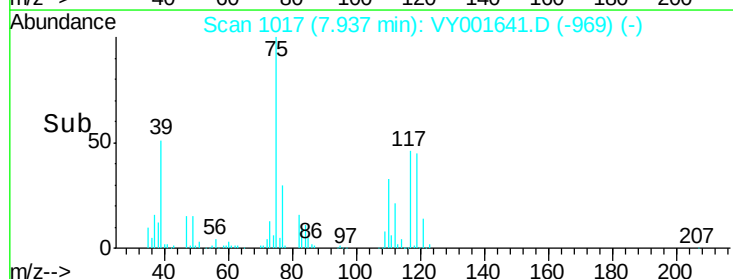
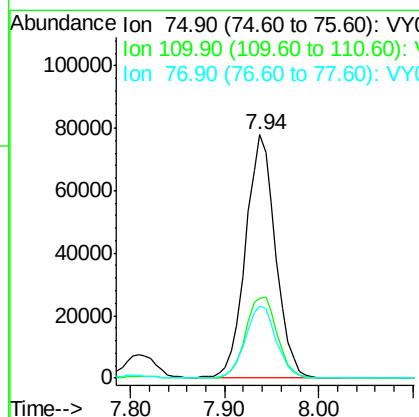
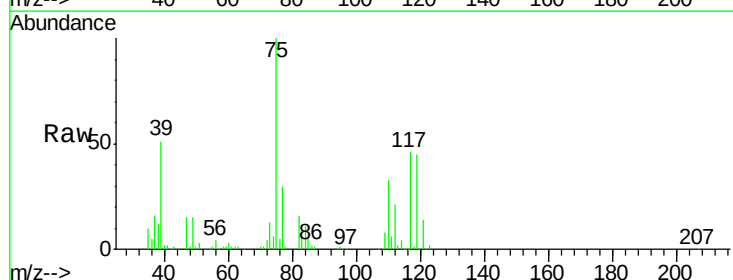
Manual Integrations
APPROVED

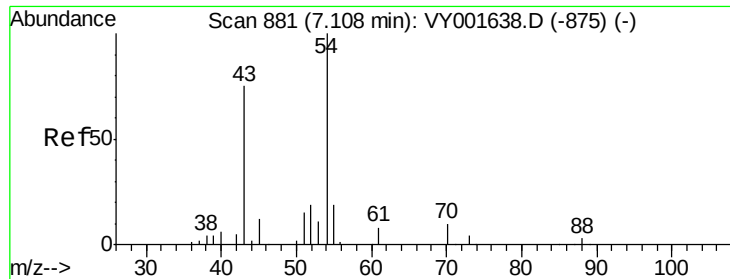
MMDadoda
2/19/2020 10:50:14 AM



#36
1,1-Dichloropropene
Concen: 46.759 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	173304		
110	35.2	17.2	51.6	
77	30.7	24.8	37.2	





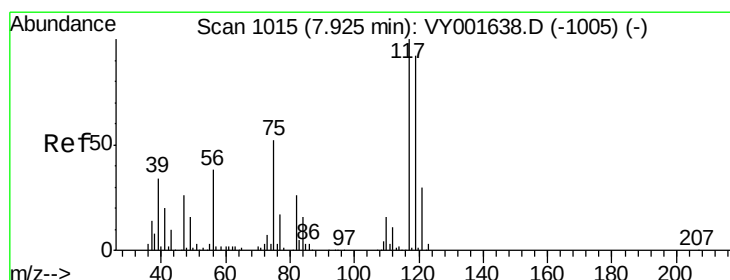
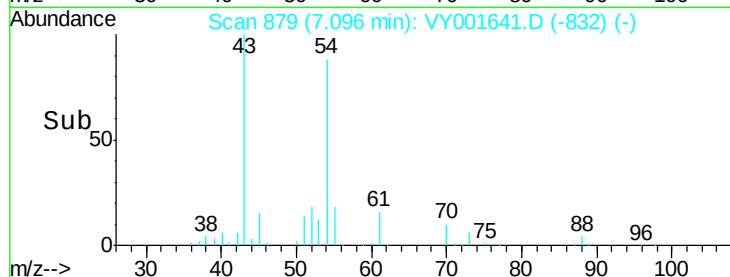
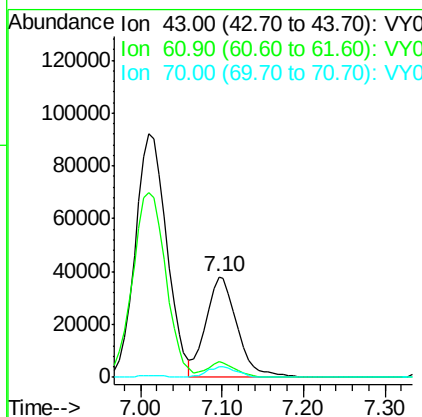
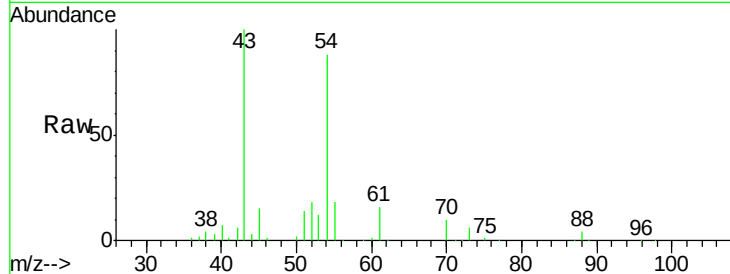
#37
Ethyl Acetate
Concen: 45.909 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.3	8.8	13.2

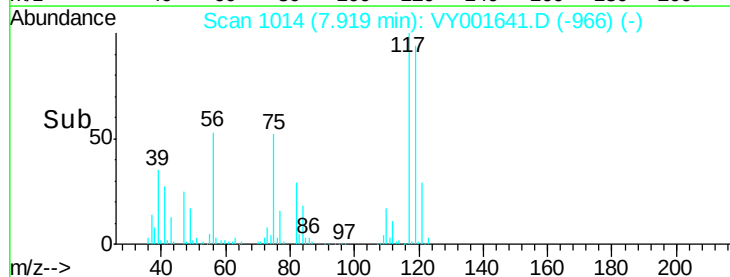
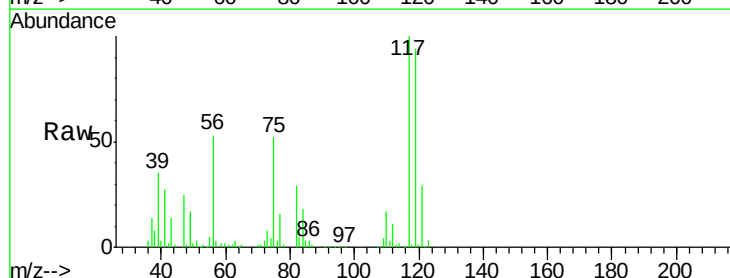
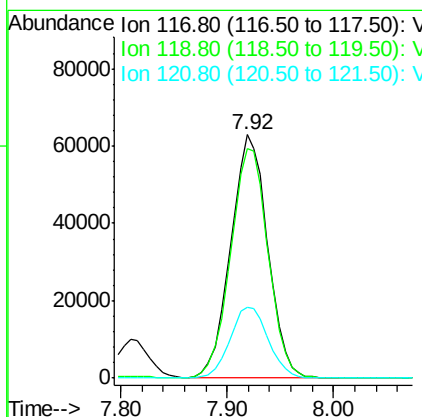
Manual Integrations
APPROVED

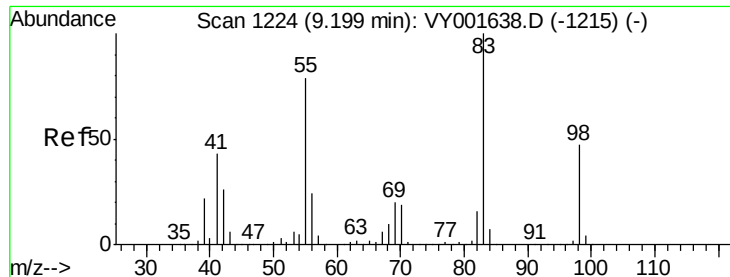
MMDadoda
2/19/2020 10:50:14 AM



#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.8	112.2
121	29.3	23.8	35.6





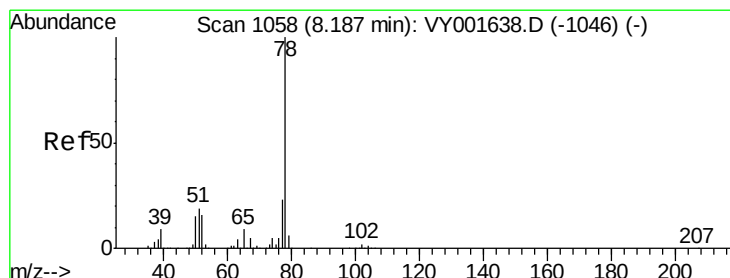
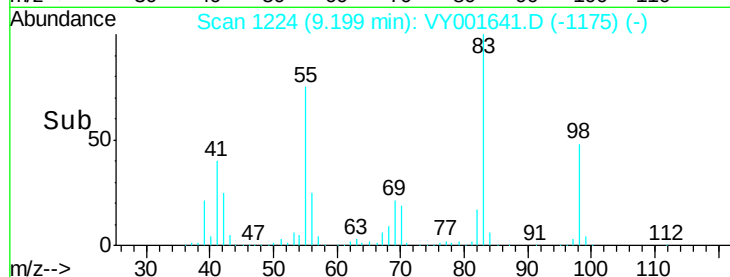
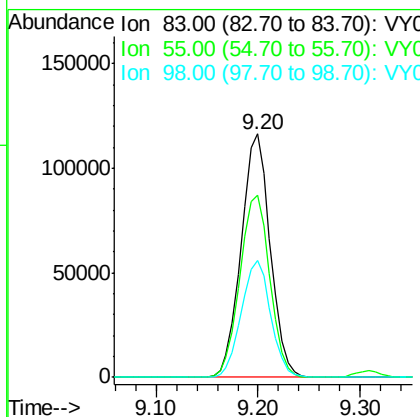
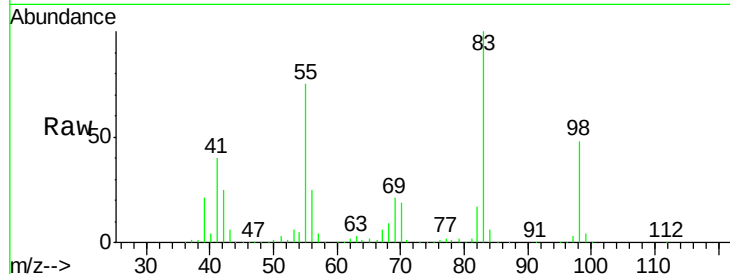
#39
Methylvlcyclohexane
Concen: 46.955 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.9	61.3	91.9	
98	47.9	38.0	57.0	

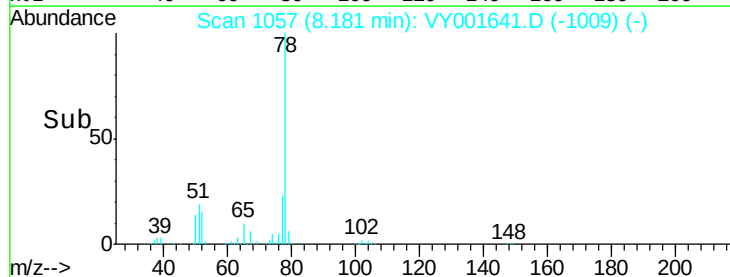
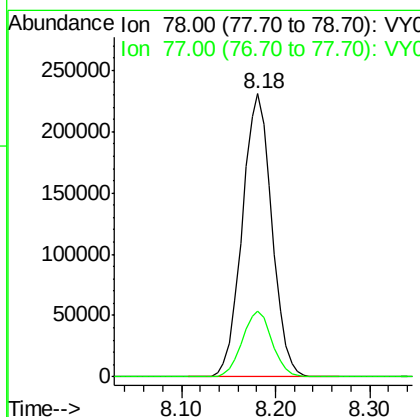
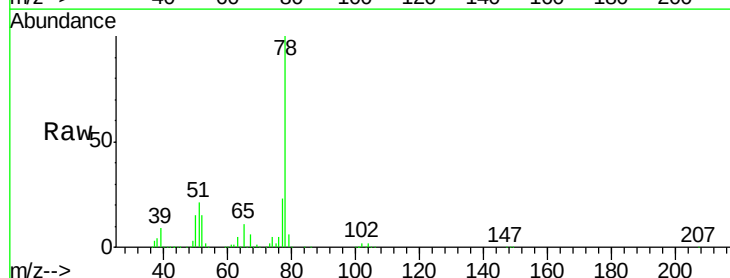
Manual Integrations
APPROVED

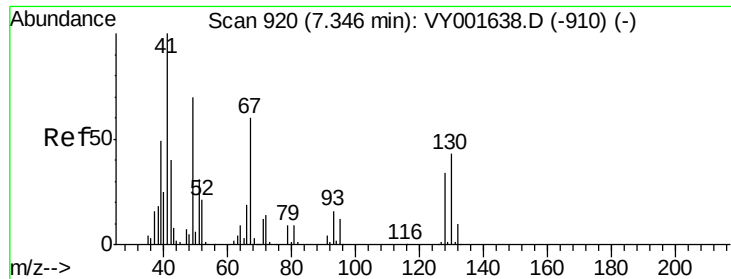
MMDadoda
2/19/2020 10:50:14 AM



#40
Benzene
Concen: 46.576 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.2	27.4	





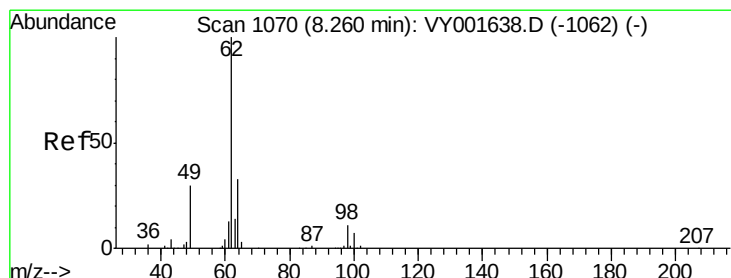
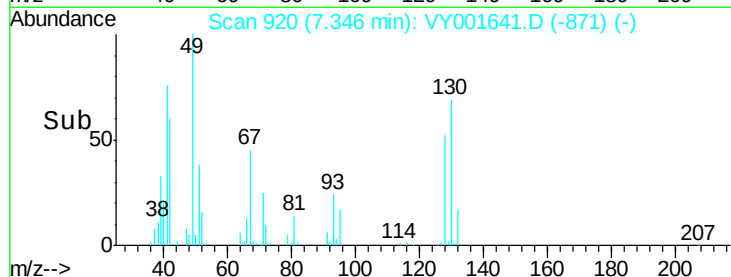
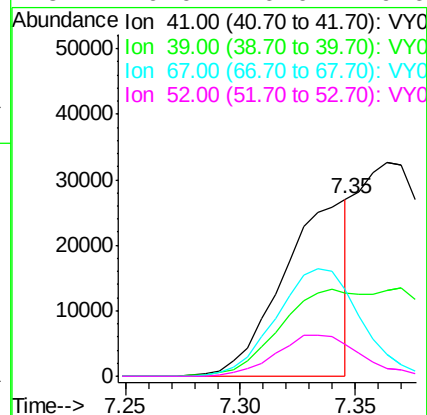
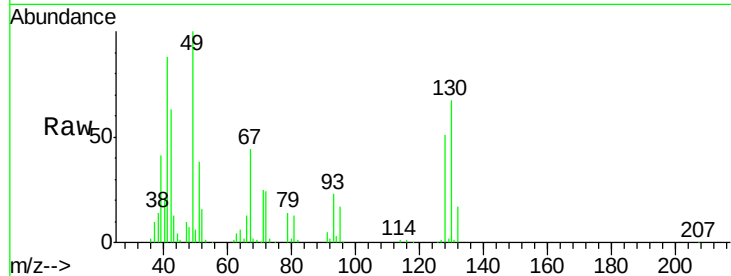
#41
Methacrylonitrile
Concen: 48.677 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

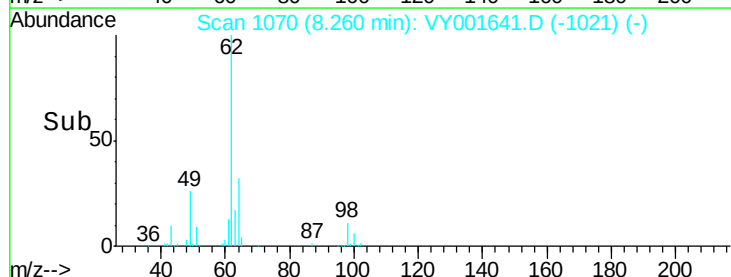
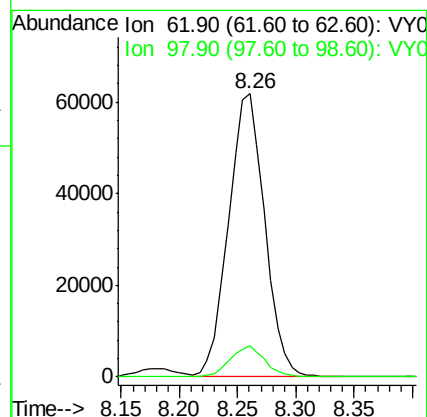
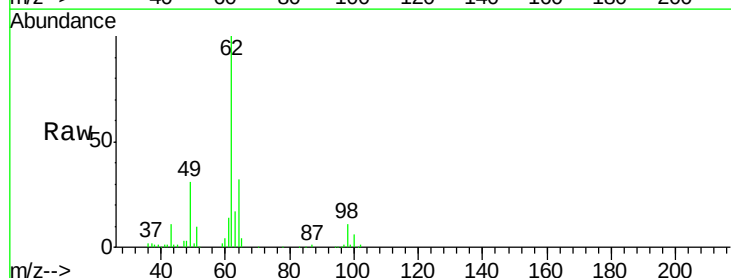
Manual Integrations
APPROVED

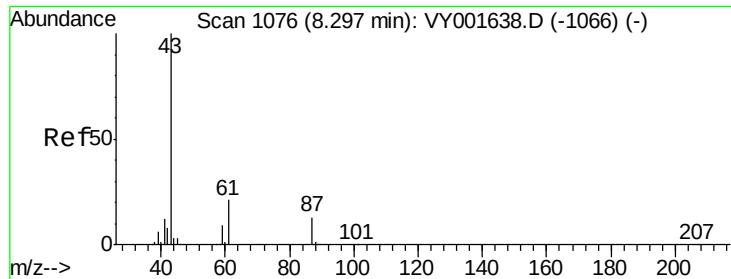
MMDadoda
2/19/2020 10:50:14 AM



#42
1,2-Dichloroethane
Concen: 45.008 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.8





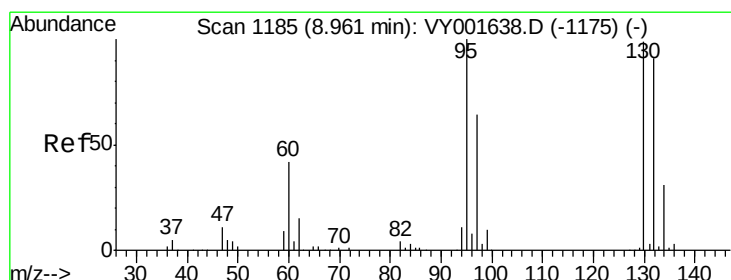
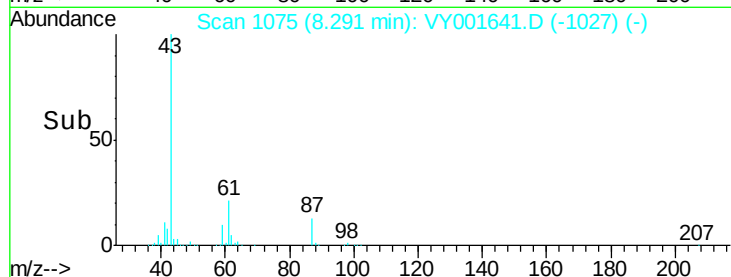
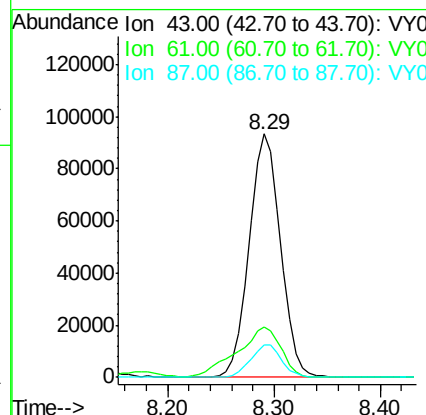
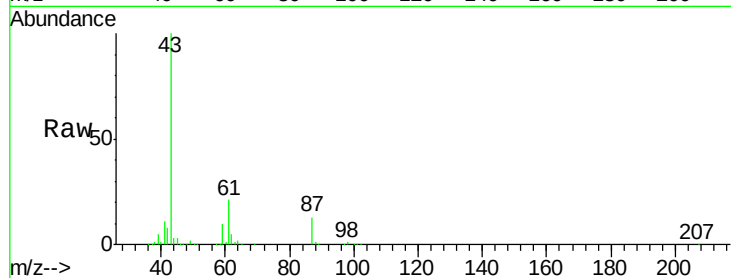
#43
Isopropyl Acetate
Concen: 45.996 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.0	34.4
87	13.2	10.7	16.1

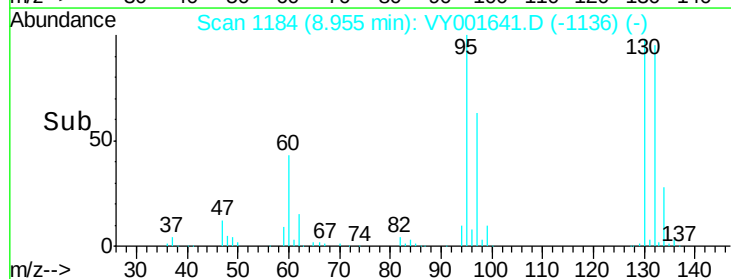
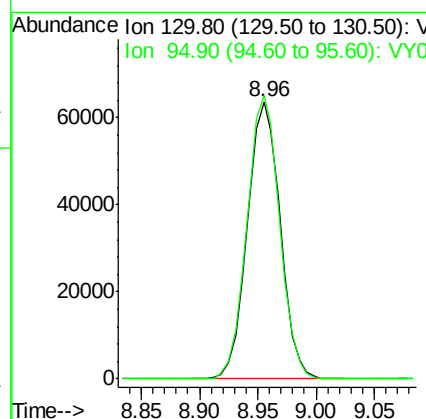
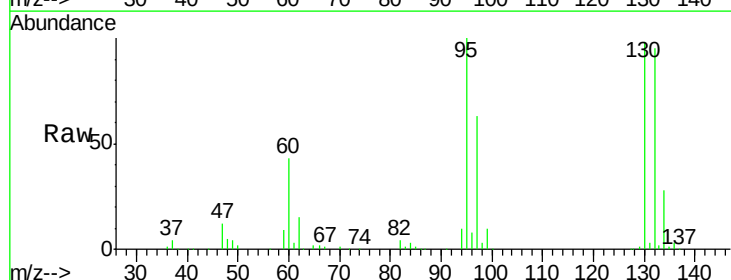
Manual Integrations
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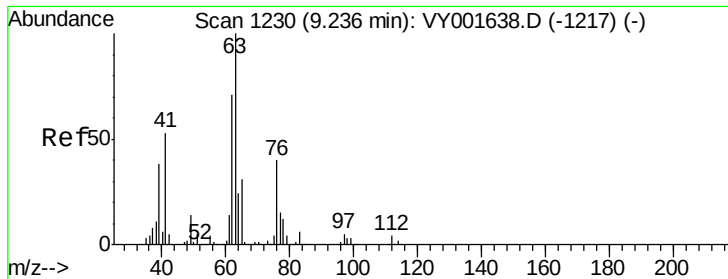
MMDadoda
2/19/2020 10:50:14 AM



#44
Trichloroethene
Concen: 46.016 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	200.6





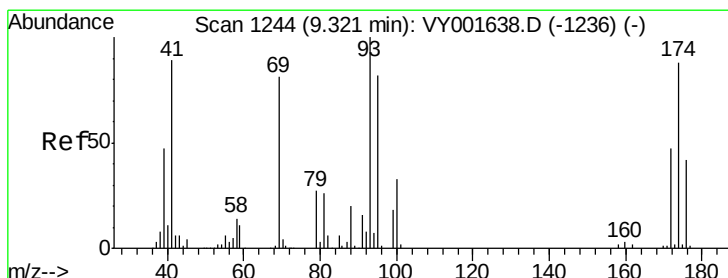
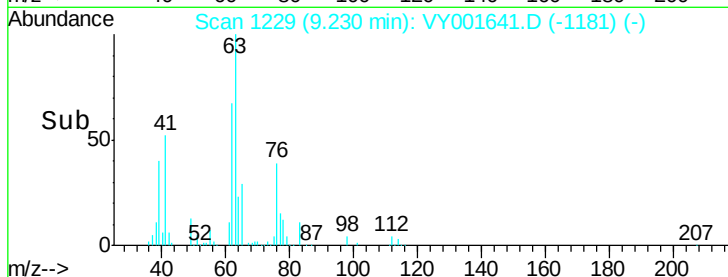
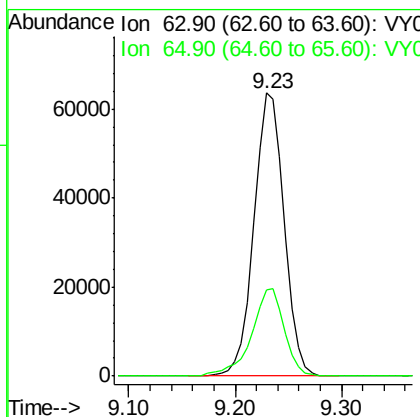
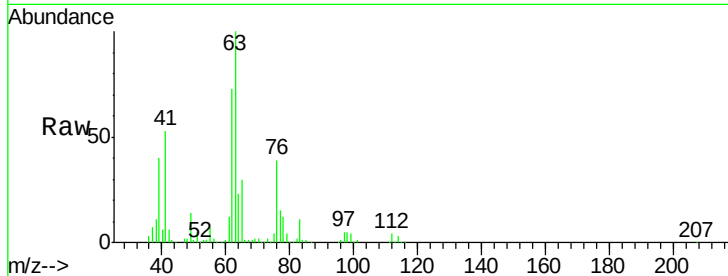
#45
 1,2-Dichloropropane
 Concen: 46.385 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021720

Tot Ion: 63 Resp: 126627
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 37.0

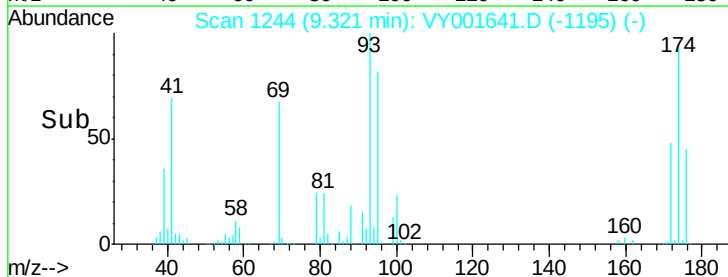
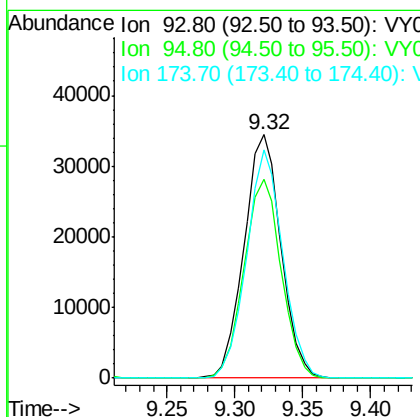
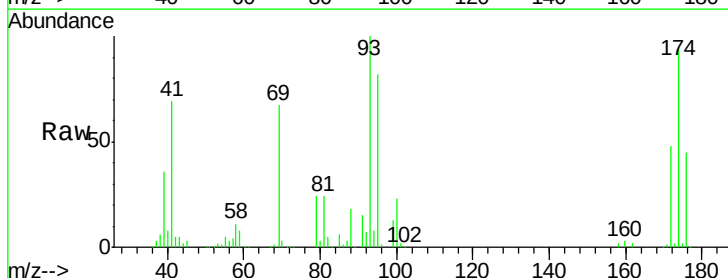
Manual Integrations
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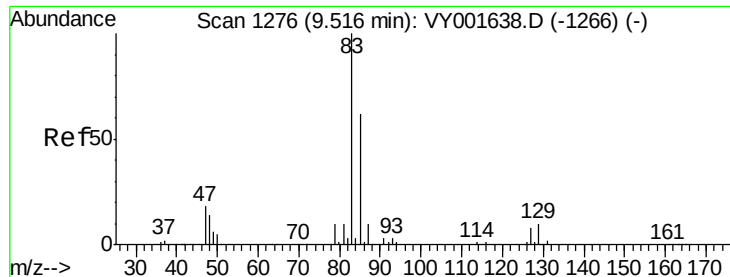
MMDadoda
 2/19/2020 10:50:14 AM



#46
 Dibromomethane
 Concen: 45.815 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Tgt Ion: 93 Resp: 65417
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.1 99.1
 174 91.9 72.5 108.7





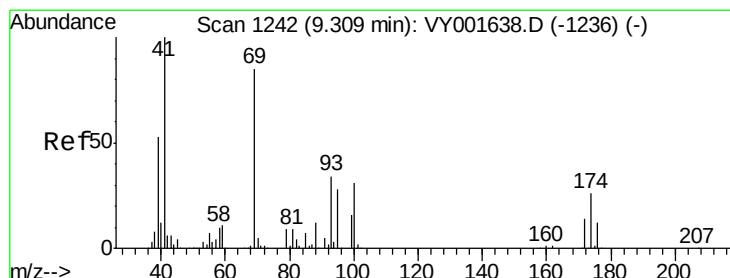
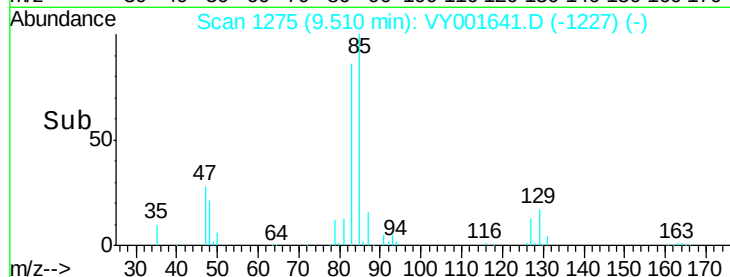
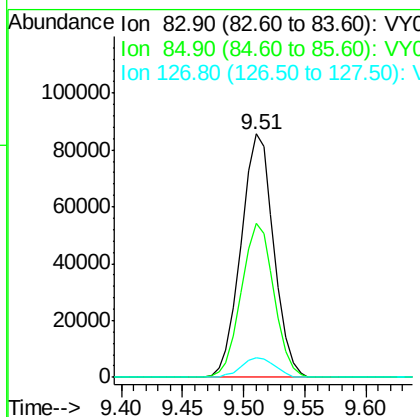
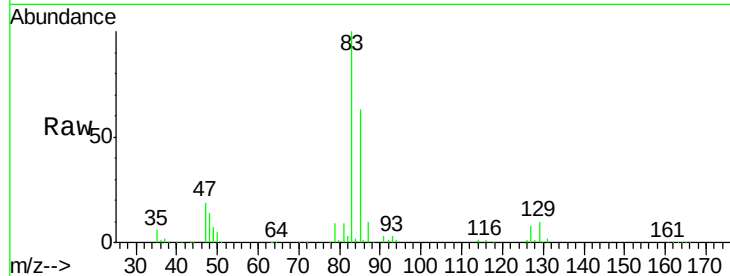
#47
 Bromodichloromethane
 Concen: 46.070 ug/l
 RT: 9.51 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021720

Tot Ion	Ratio	Resp	Lower	Upper
83	100	158759		
85	63.1		51.4	77.0
127	8.0		6.4	9.6

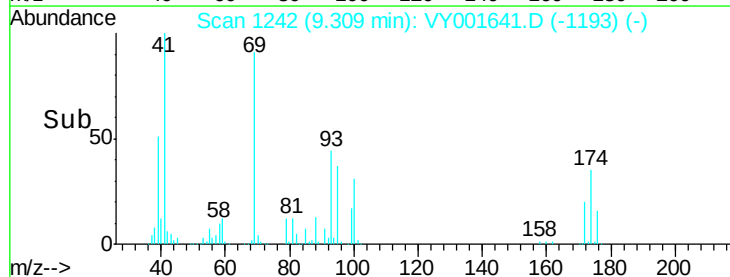
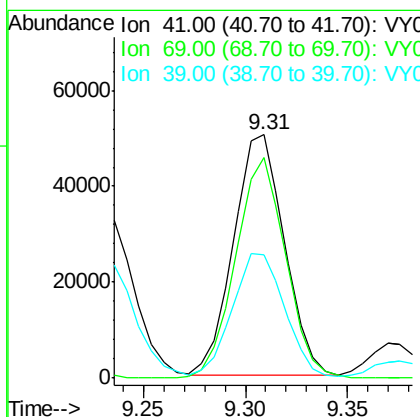
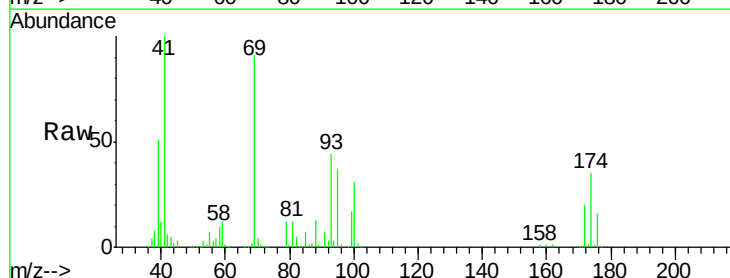
Manual Integrations
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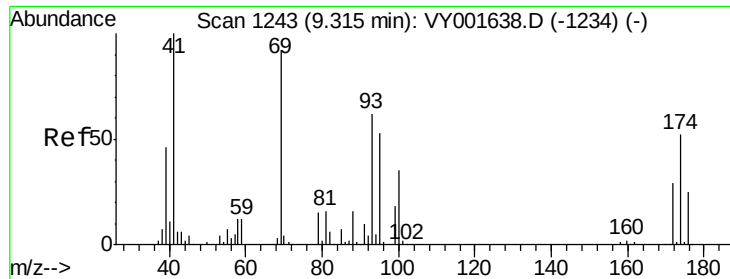
MMDadoda
 2/19/2020 10:50:14 AM



#48
 Methyl methacrylate
 Concen: 45.720 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	86786		
69	90.4		70.7	106.1
39	54.0		42.2	63.2





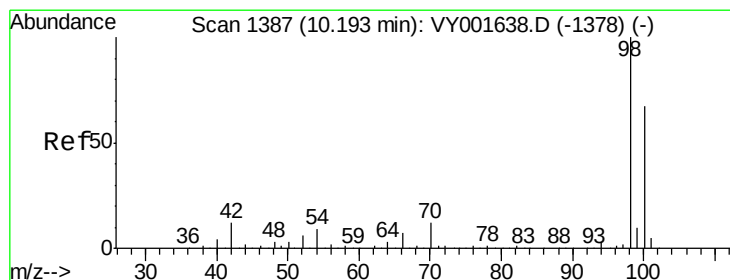
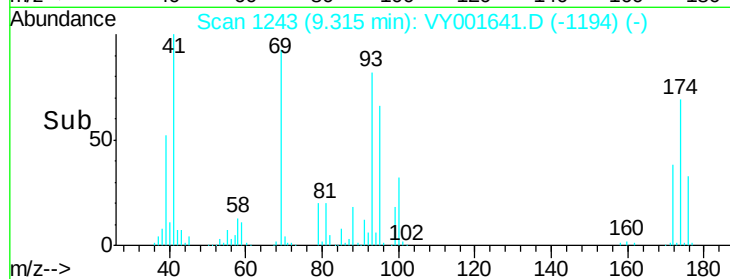
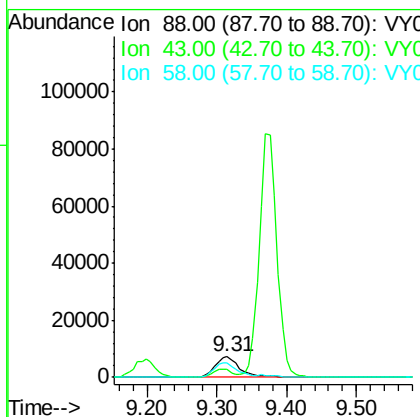
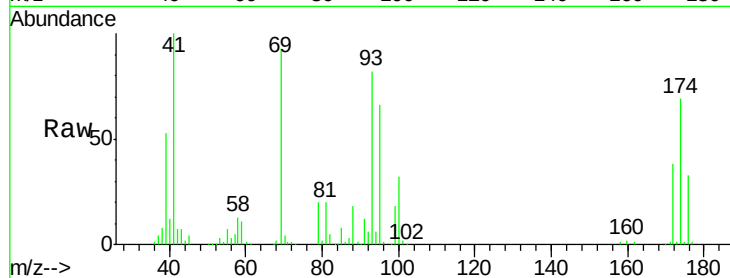
#49
1,4-Dioxane
Concen: 927.419 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	88	Resp	18703
Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.1	34.7
58	63.6	58.1	87.1

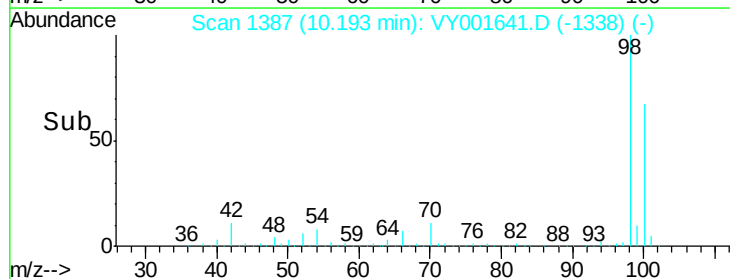
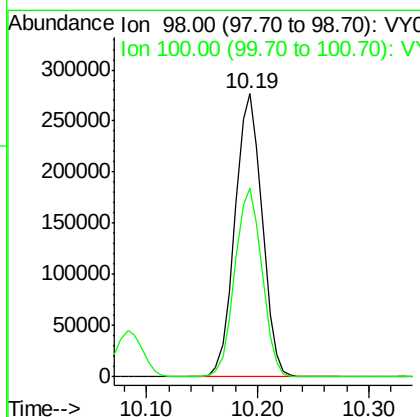
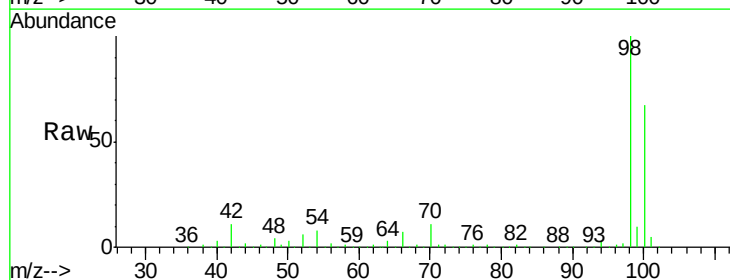
Manual Integrations
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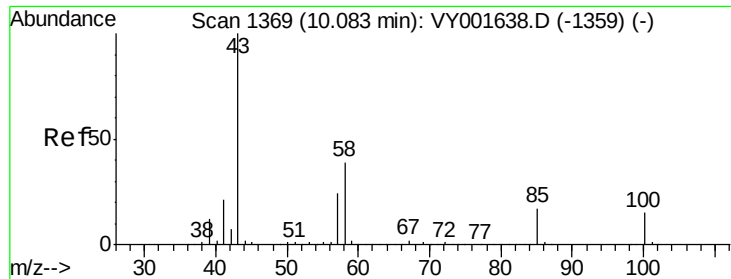
MMDadoda
2/19/2020 10:50:14 AM



#50
Toluene-d8
Concen: 53.647 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	98	Resp	467080
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4





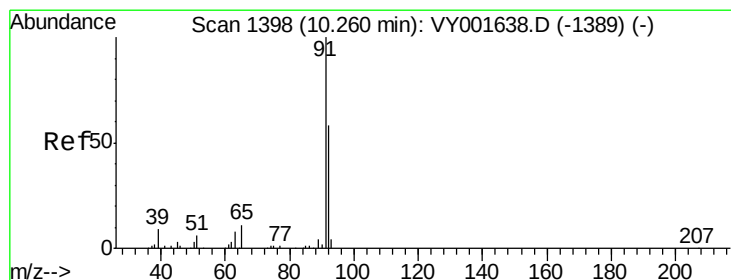
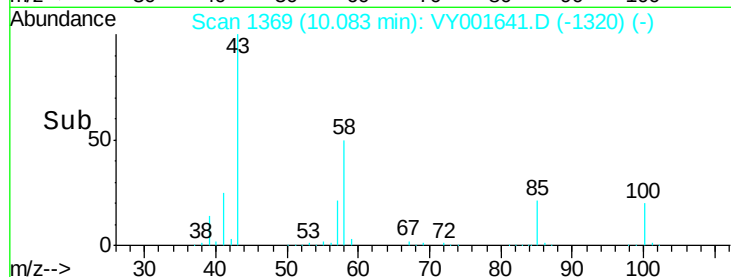
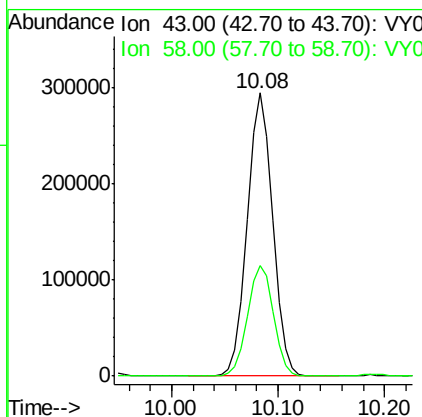
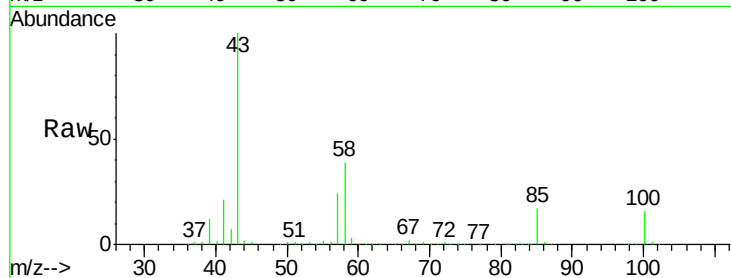
#51
4-Methyl-2-Pentanone
Concen: 229.499 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.2	48.4

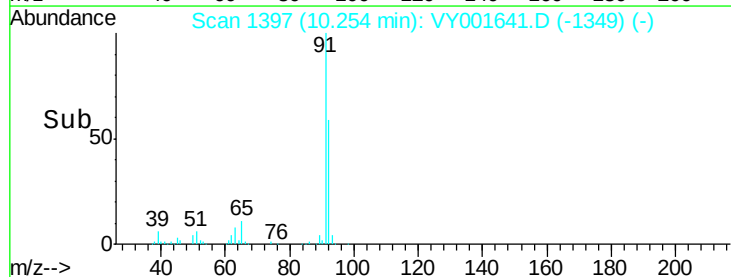
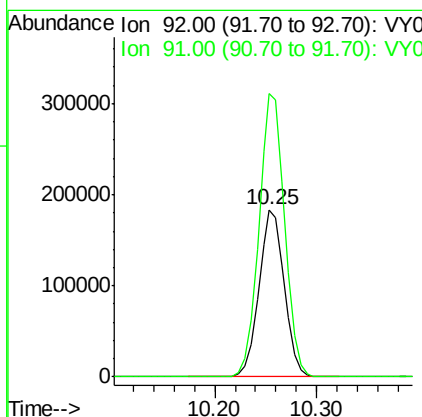
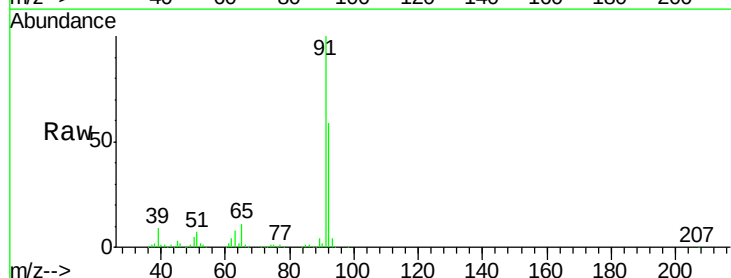
Manual Integrations
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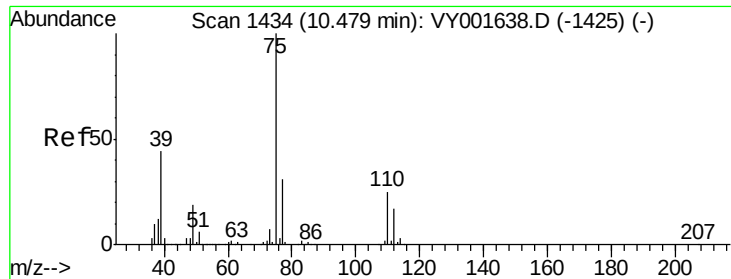
MMDadoda
2/19/2020 10:50:14 AM



#52
Toluene
Concen: 46.257 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.0	205.6





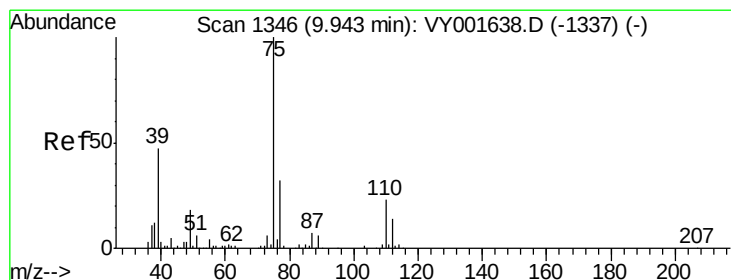
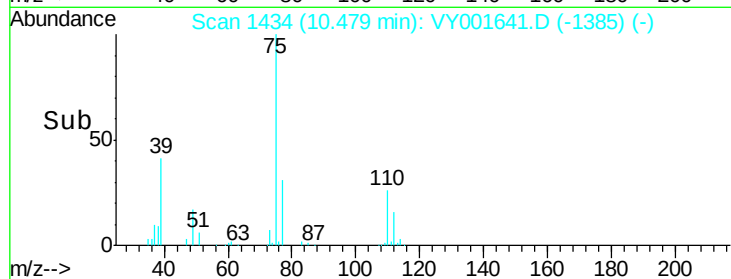
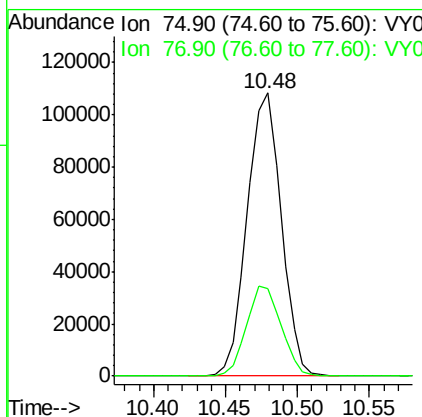
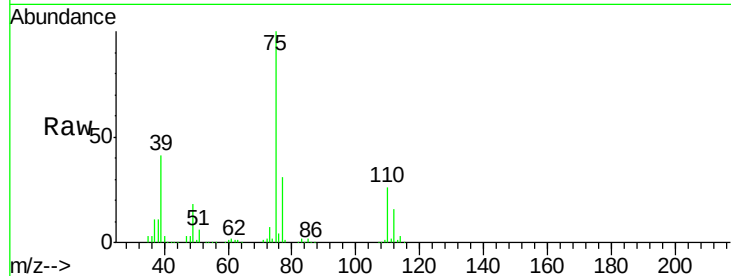
#53
 t-1,3-Dichloropropene
 Concen: 46.622 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021720

Tot Ion: 75 Resp: 177614
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.2 37.8

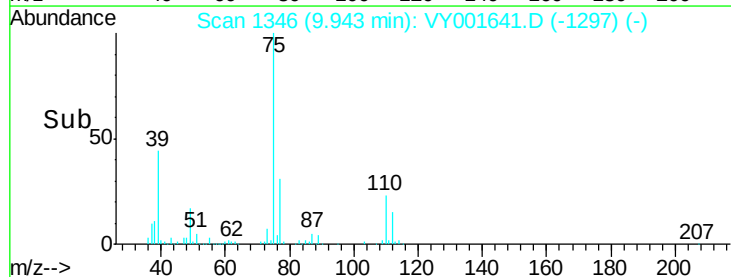
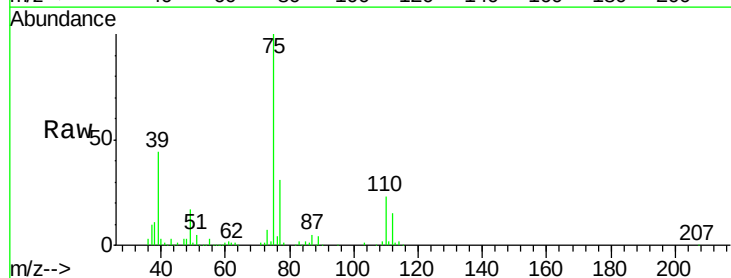
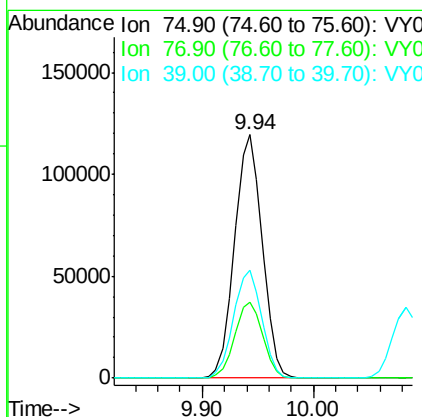
Manual Integrations
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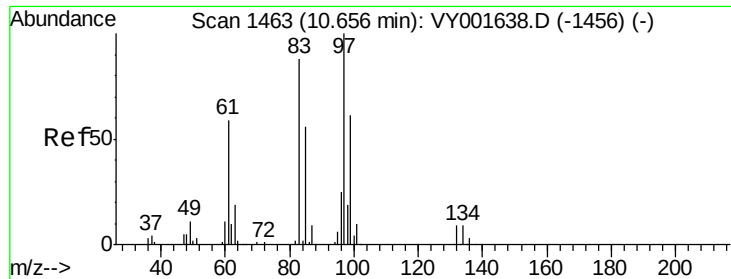
MMDadoda
 2/19/2020 10:50:14 AM



#54
 cis-1,3-Dichloropropene
 Concen: 46.816 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Tgt Ion: 75 Resp: 205271
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.7 38.5
 39 44.2 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 45.716 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

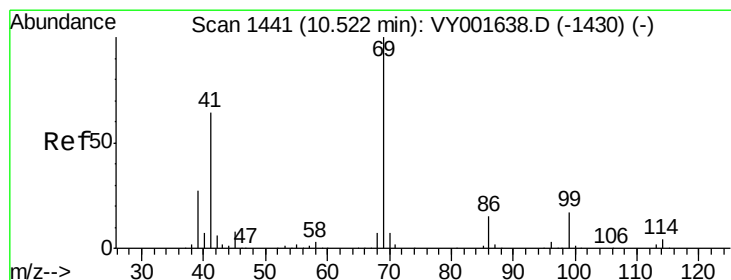
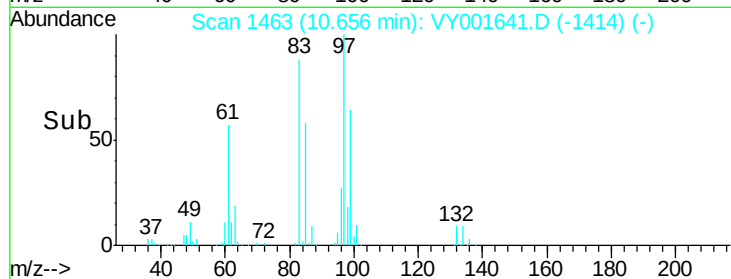
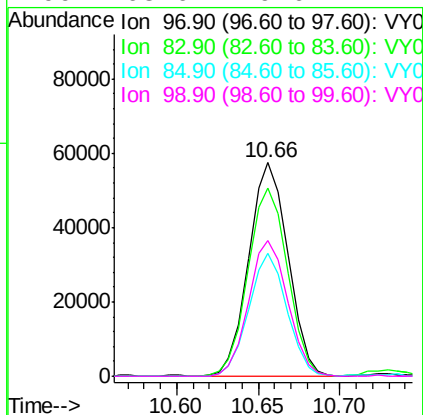
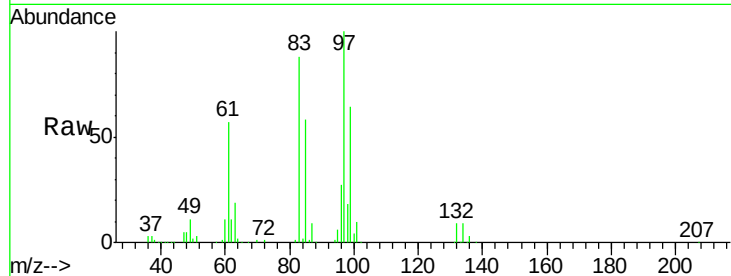
ClientSampleId :

ICVY021720

Tot Ion:	97	Resp:	96251
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.7	104.5
85	57.7	44.5	66.7
99	63.6	49.6	74.4

Manual Integrations
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MMDadoda
2/19/2020 10:50:14 AM



#56

Ethyl methacrylate

Concen: 46.550 ug/l

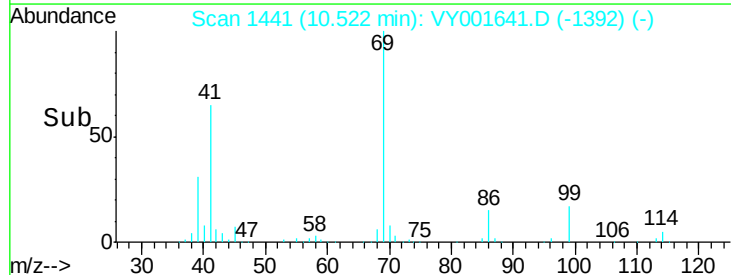
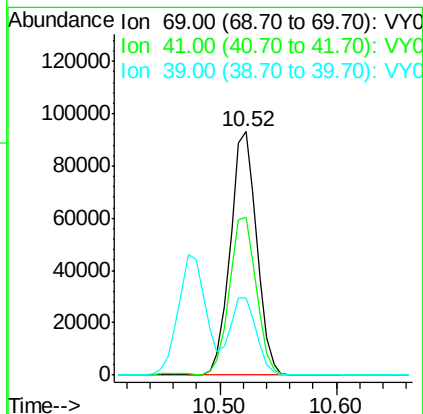
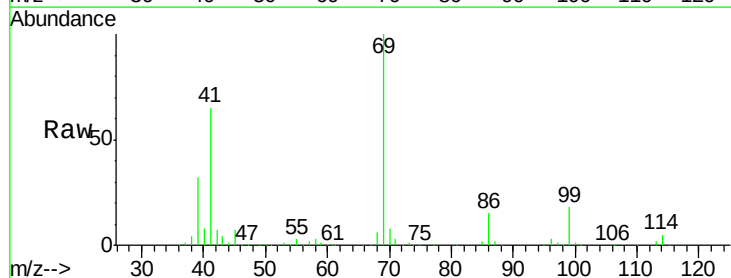
RT: 10.52 min Scan# 1441

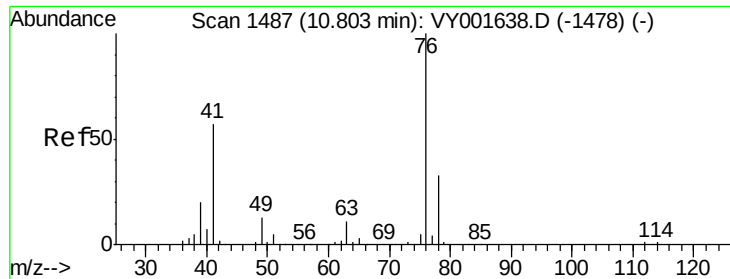
Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Tgt Ion:	69	Resp:	147026
Ion	Ratio	Lower	Upper
69	100		
41	65.7	51.0	76.4
39	32.0	24.7	37.1





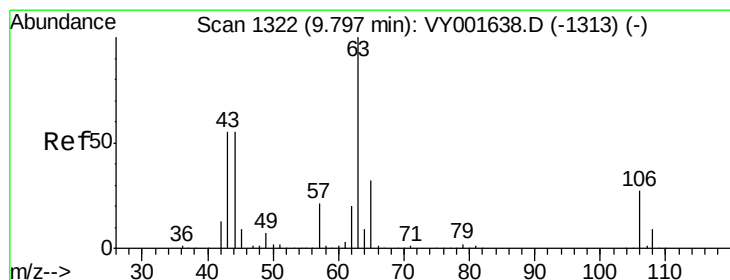
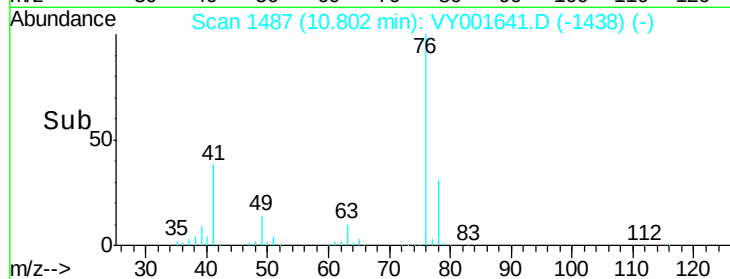
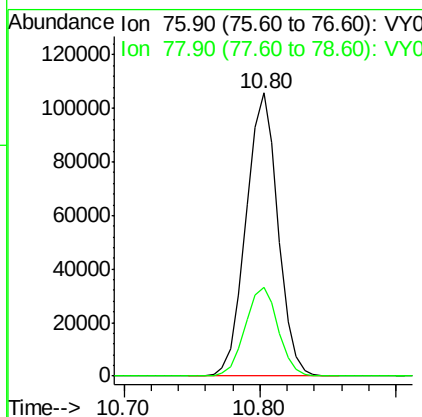
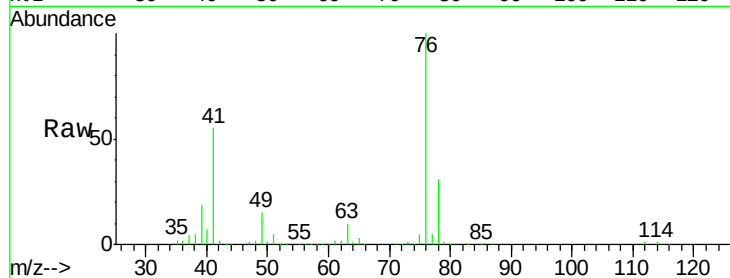
#57
 1,3-Dichloropropane
 Concen: 46.363 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021720

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

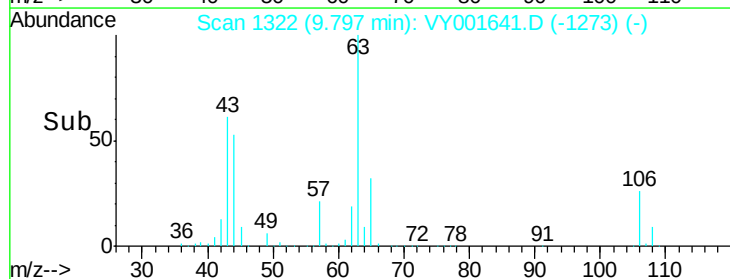
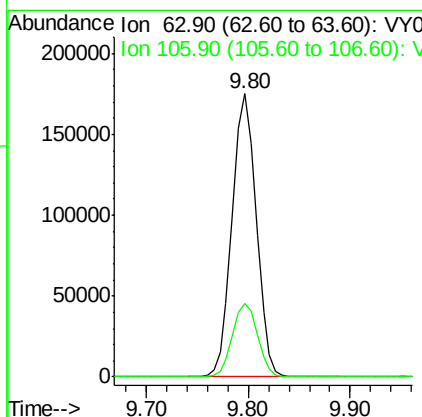
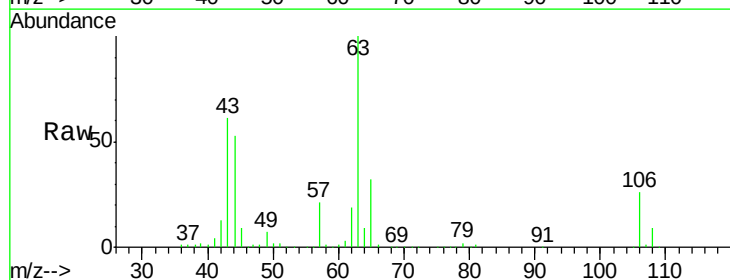
Manual Integrations
 APPROVED

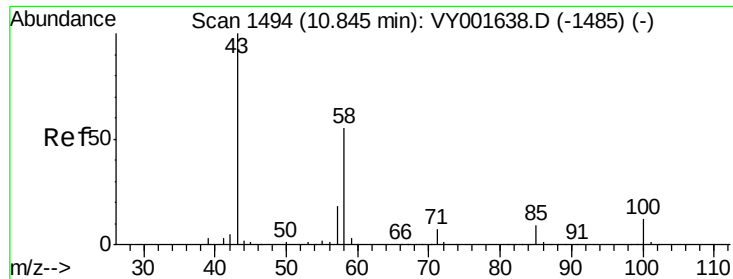
MMDadoda
 2/19/2020 10:50:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.387 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4





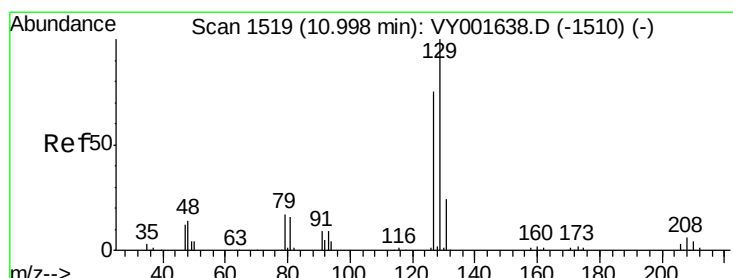
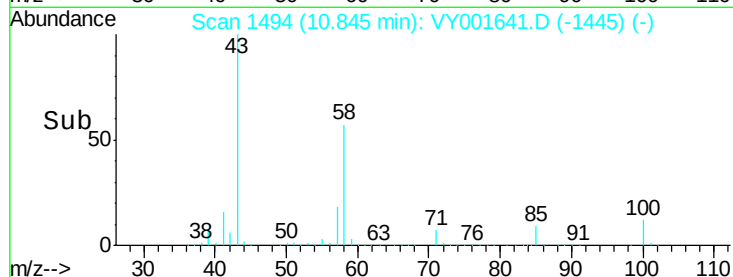
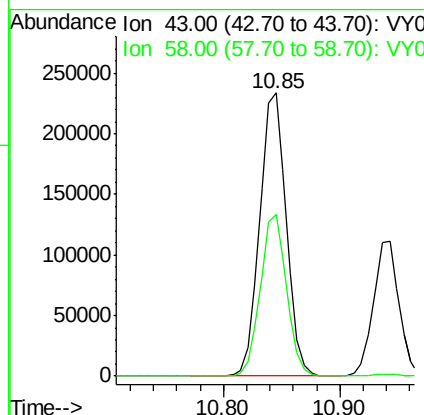
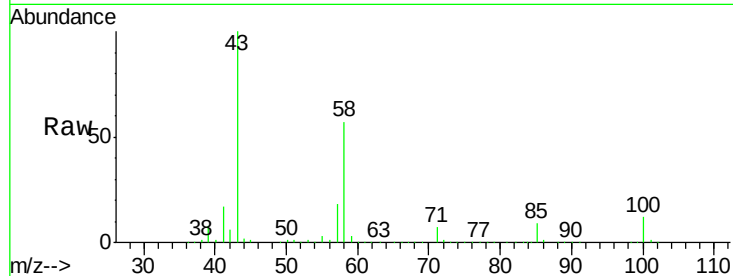
#59
2-Hexanone
Concen: 229.998 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion: 43 Resp: 372142
Ion Ratio Lower Upper
43 100
58 56.4 28.4 85.2

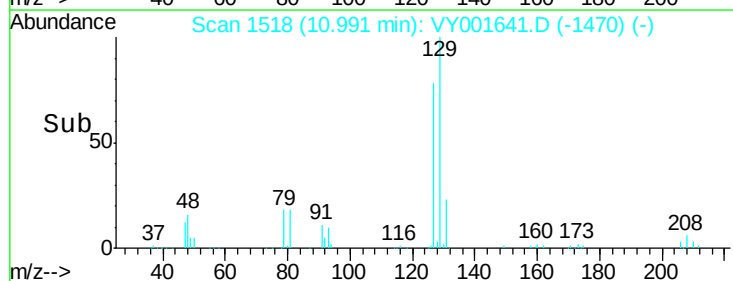
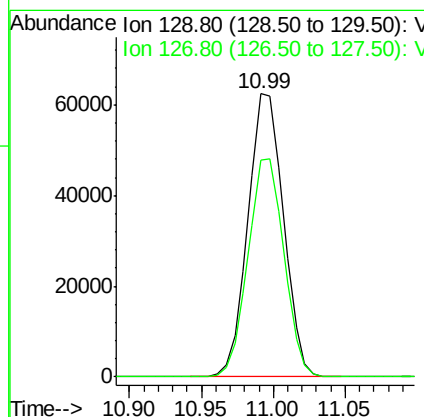
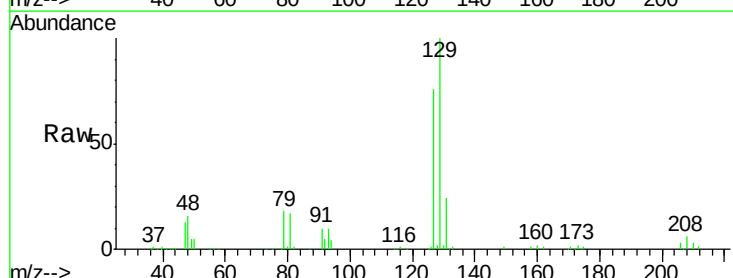
Manual Integrations
APPROVED

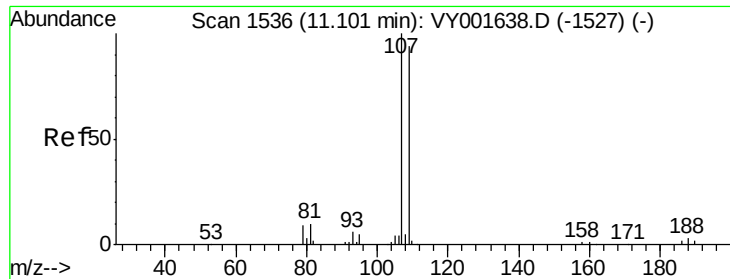
MMDadoda
2/19/2020 10:50:14 AM



#60
Dibromochloromethane
Concen: 45.986 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion: 129 Resp: 106744
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





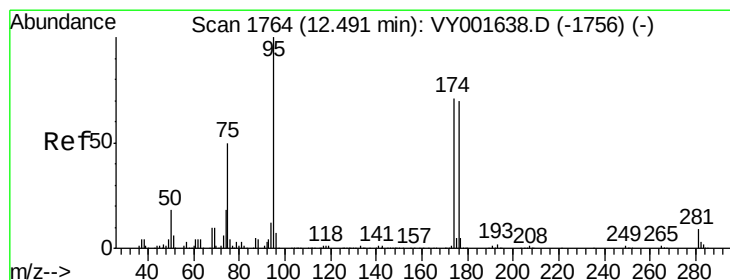
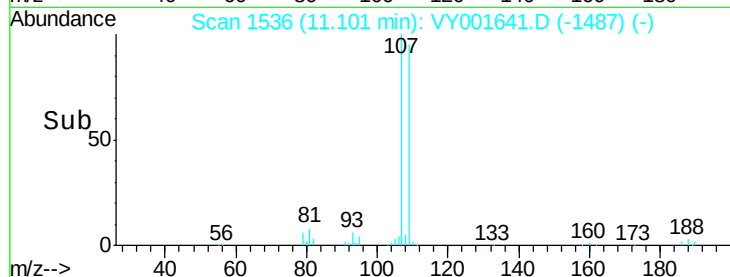
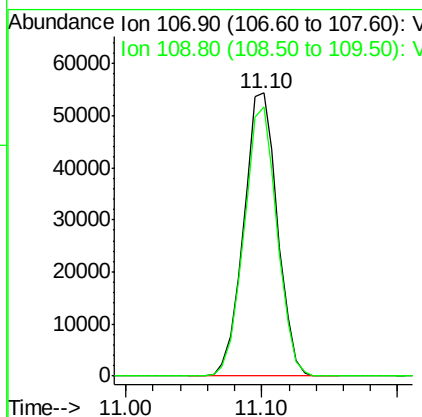
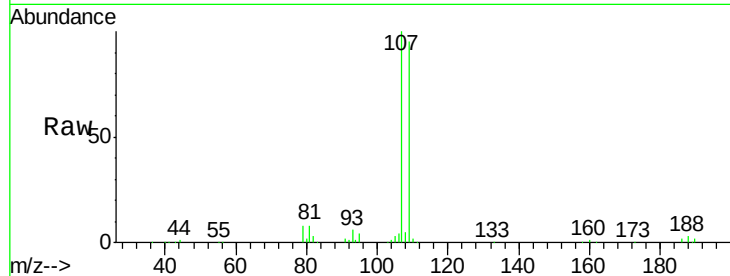
#61
 1,2-Dibromoethane
 Concen: 47.209 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021720

Tot Ion	Ratio	Resp	Lower	Upper
107	100	93980		
109	93.4	74.2	111.4	

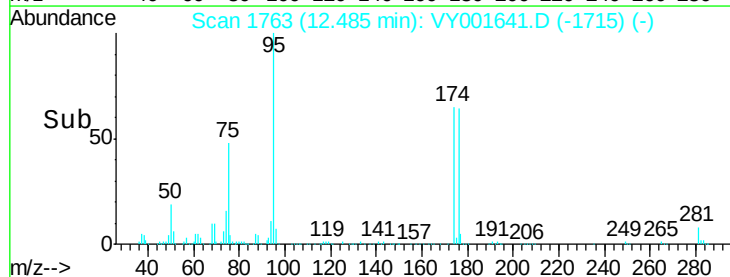
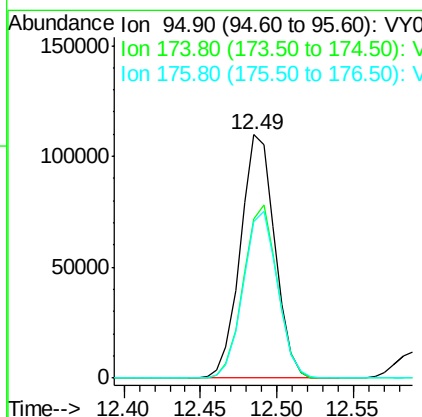
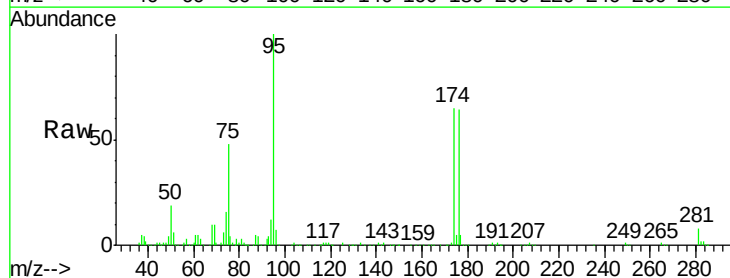
Manual Integrations
 APPROVED

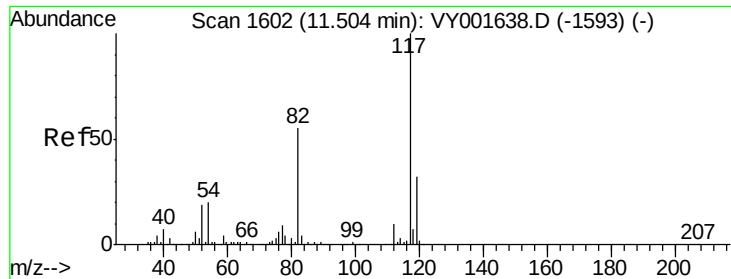
MMDadoda
 2/19/2020 10:50:14 AM



#62
 4-Bromofluorobenzene
 Concen: 50.573 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	171061		
174	70.4	0.0	138.4	
176	68.6	0.0	131.8	





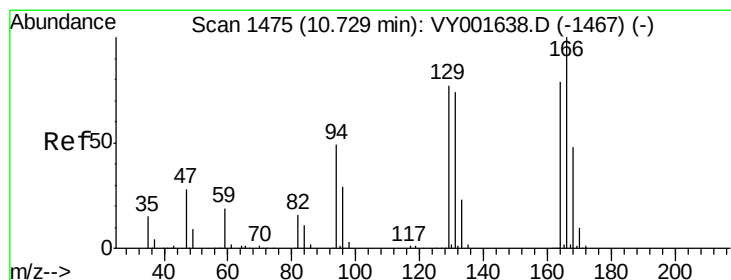
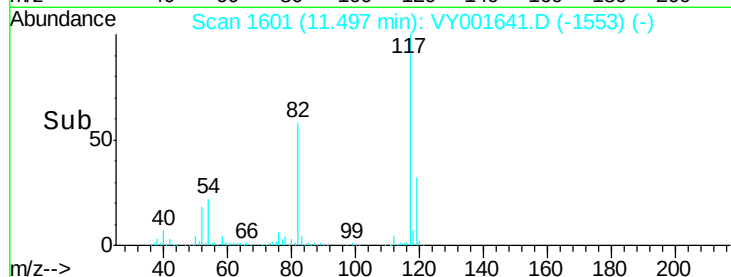
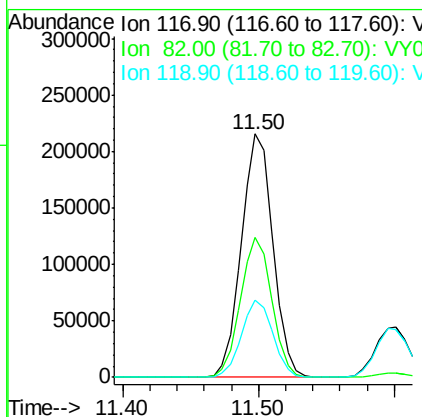
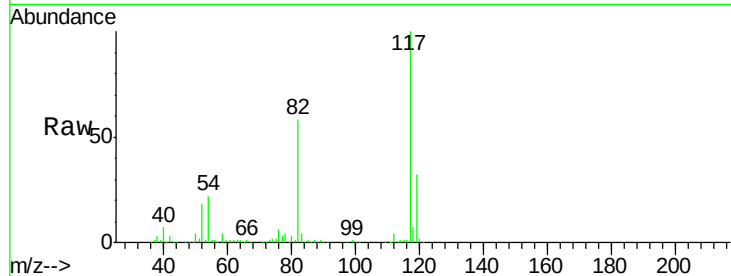
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY021720

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.5	68.3
119	31.8	25.8	38.6

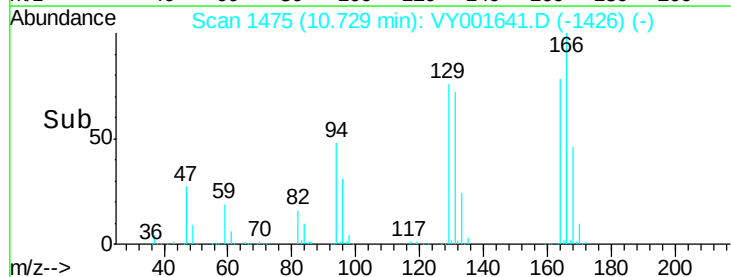
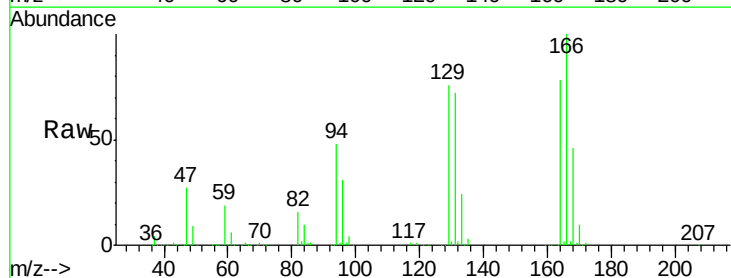
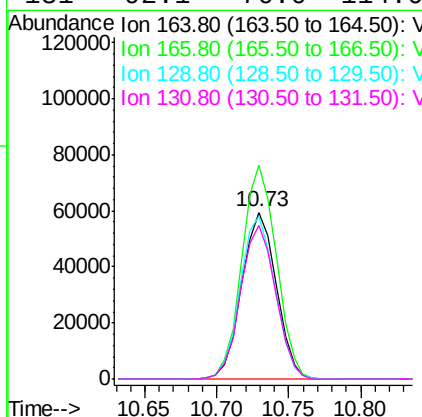
Manual Integrations
APPROVED

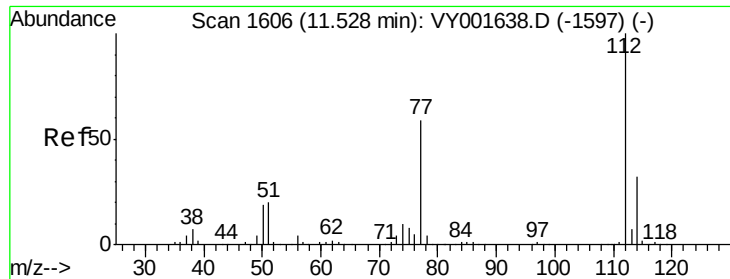
MMDadoda
2/19/2020 10:50:14 AM



#64
Tetrachloroethene
Concen: 44.916 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.4	152.0
129	97.2	78.7	118.1
131	92.1	76.0	114.0





#65

Chlorobenzene

Concen: 45.871 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

ICVY021720

Tot Ion:112 Resp: 319929

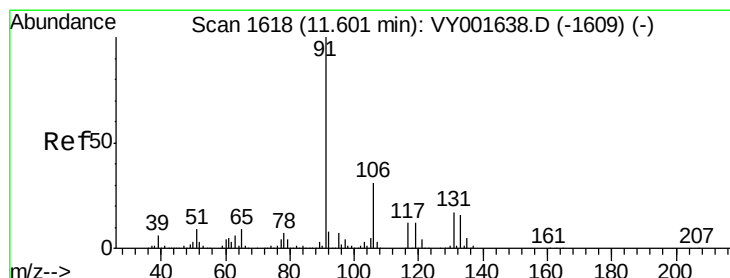
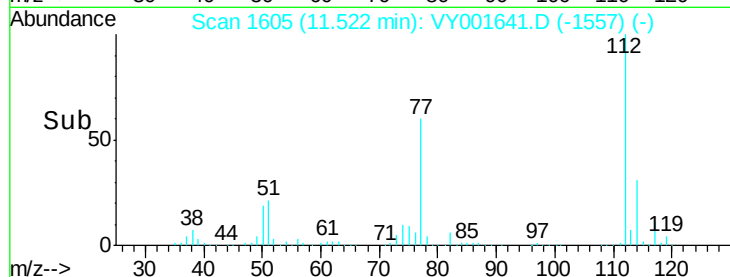
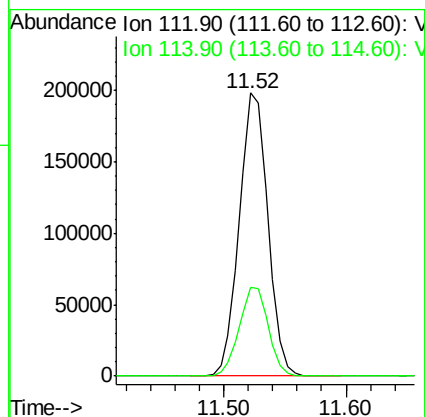
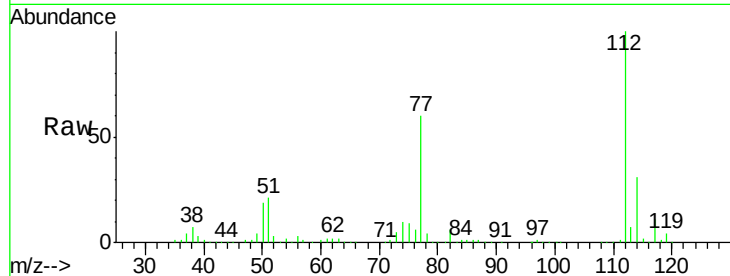
Ion Ratio Lower Upper

112 100

114 31.2 25.4 38.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:50:14 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 46.202 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

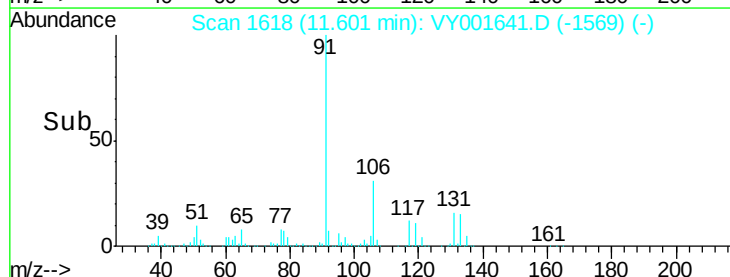
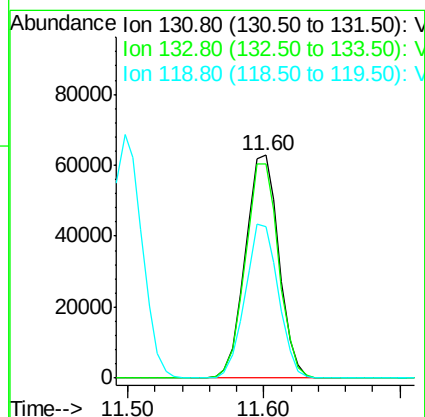
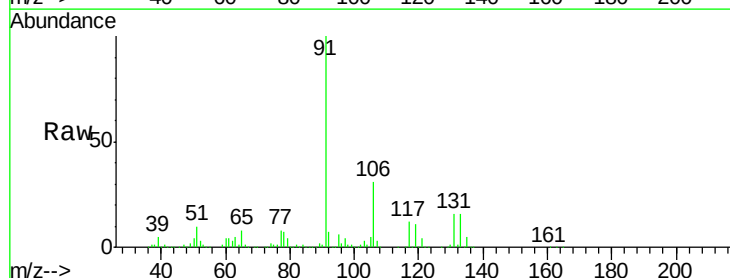
Tgt Ion:131 Resp: 108702

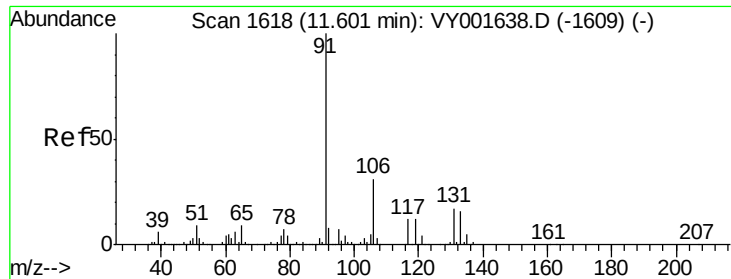
Ion Ratio Lower Upper

131 100

133 95.5 47.4 142.2

119 68.1 34.4 103.1





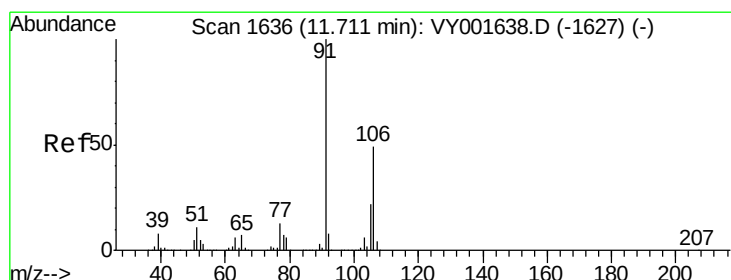
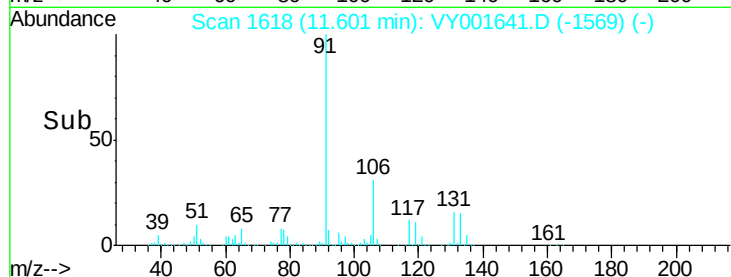
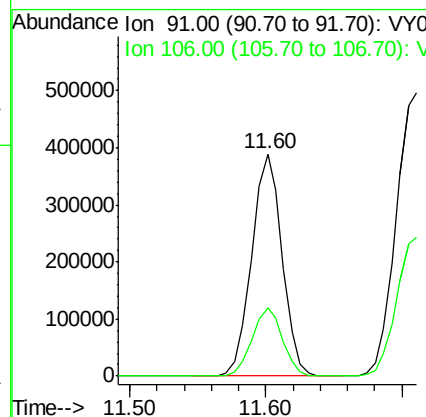
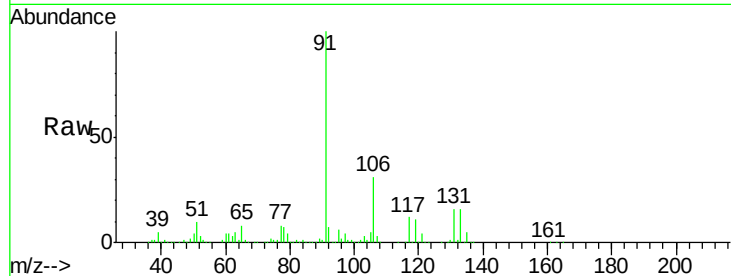
#67
Ethyl Benzene
Concen: 46.979 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion: 91 Resp: 608052
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7

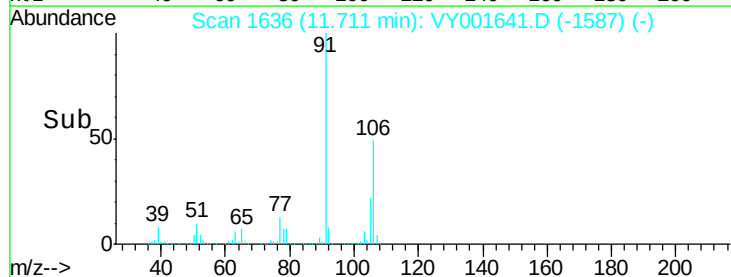
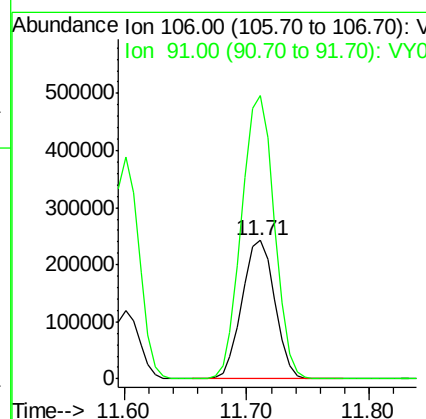
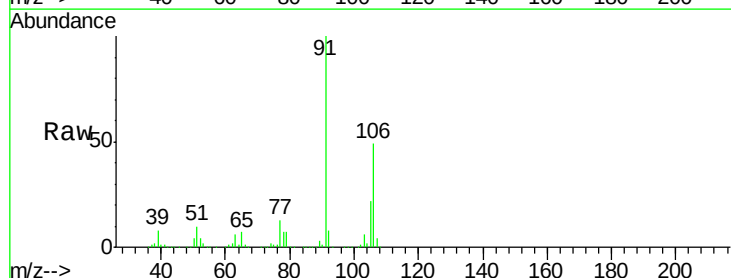
Manual Integrations
APPROVED

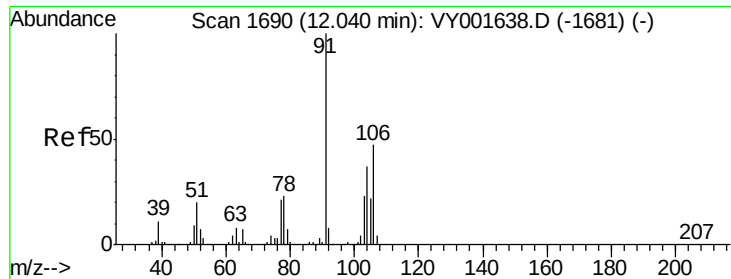
MMDadoda
2/19/2020 10:50:14 AM



#68
m/p-Xylenes
Concen: 93.240 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion: 106 Resp: 450805
Ion Ratio Lower Upper
106 100
91 204.3 163.3 244.9





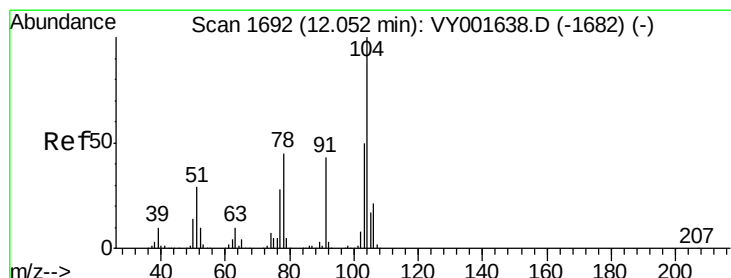
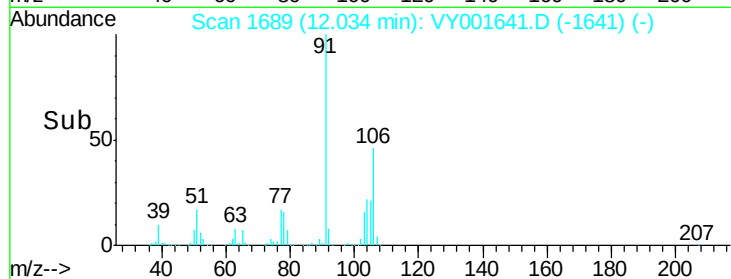
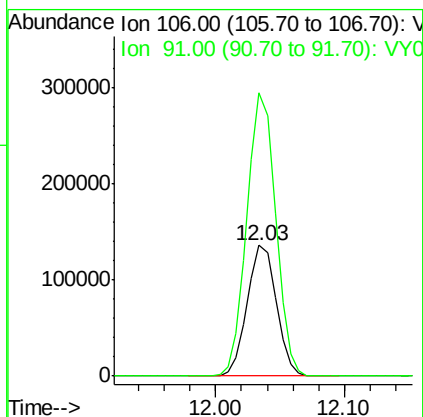
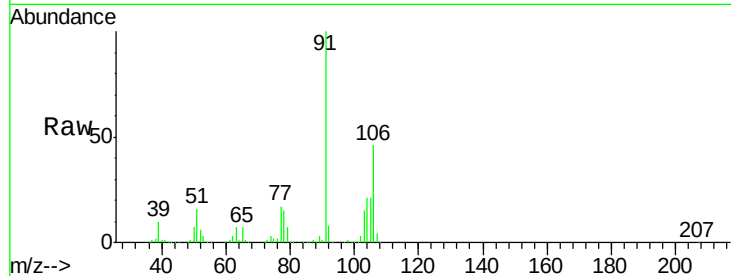
#69
o-Xylene
Concen: 46.222 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		212458		
91	213.9	108.3	324.9		

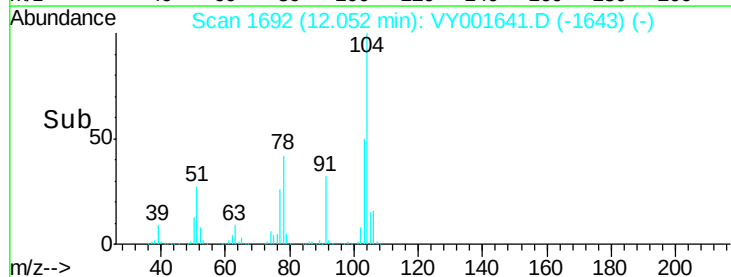
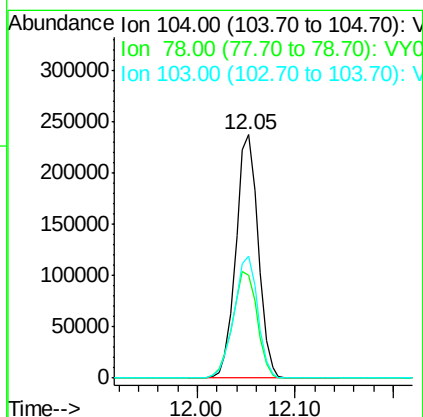
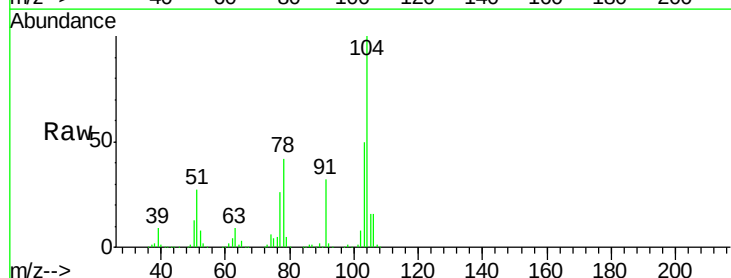
Manual Integrations
APPROVED

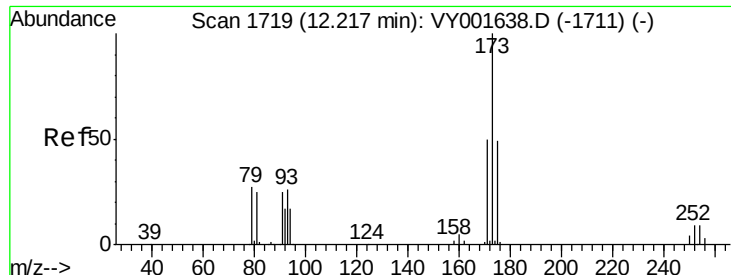
MMDadoda
2/19/2020 10:50:14 AM



#70
Styrene
Concen: 47.025 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		375656		
78	48.3	39.2	58.8		
103	53.3	43.0	64.6		





#71

Bromoform

Concen: 46.986 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

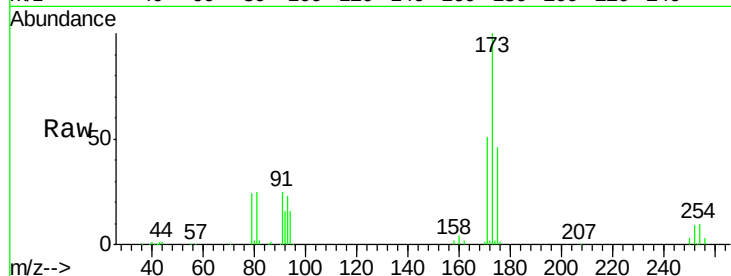
ClientSampleId :

ICVY021720

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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2/19/2020 10:50:14 AM

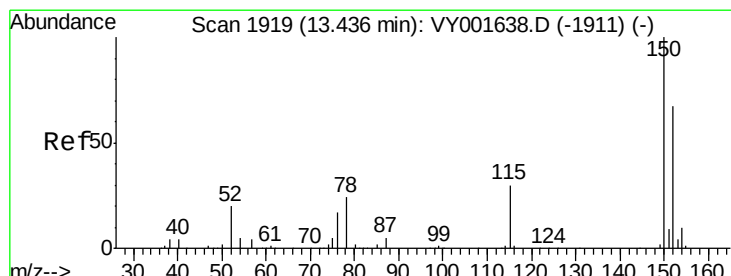
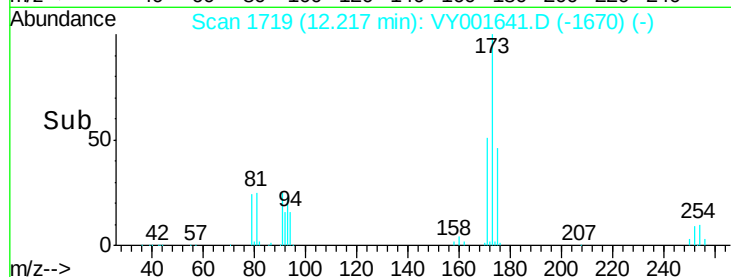
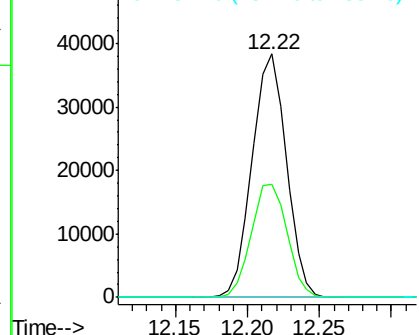


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

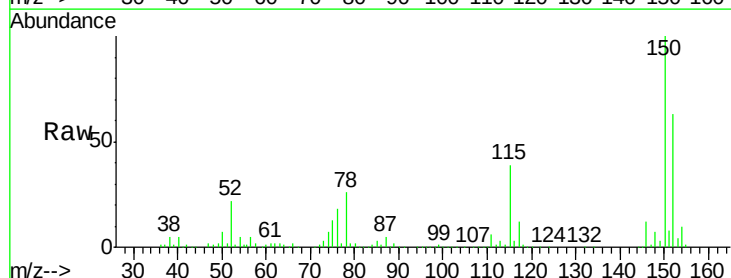
RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.4	94.2
150	171.5	0.0	407.2

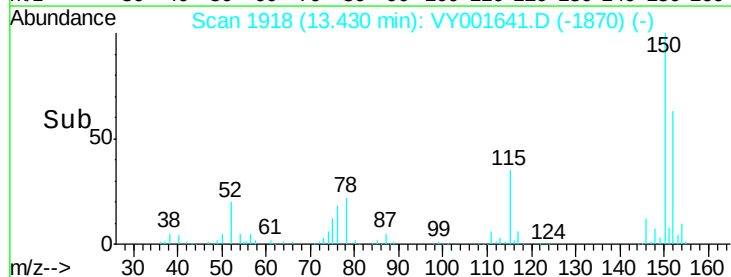
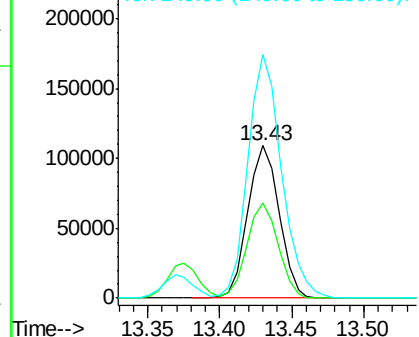


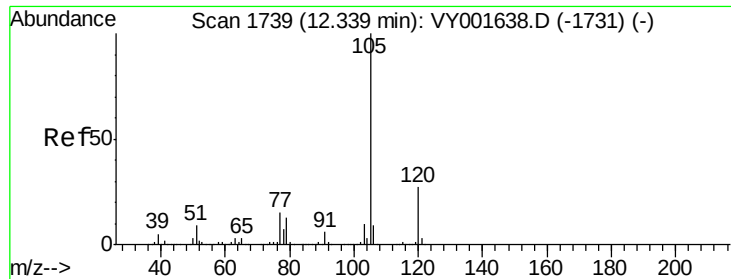
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.116 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

ICVY021720

Tot Ion: 105 Resp: 577178

Ion Ratio Lower Upper

105 100

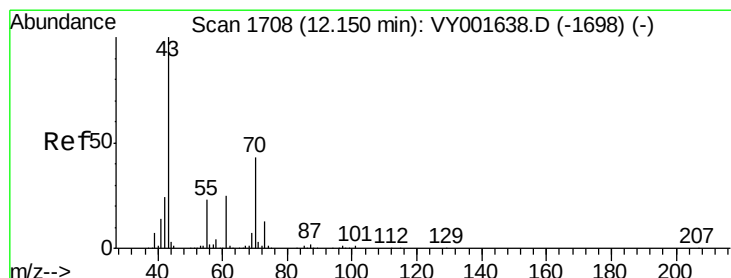
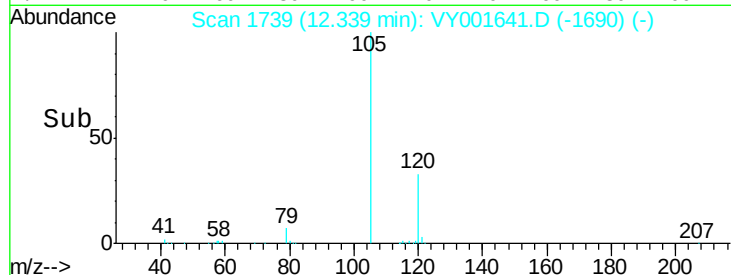
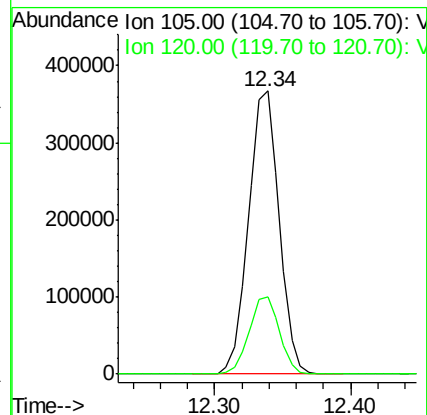
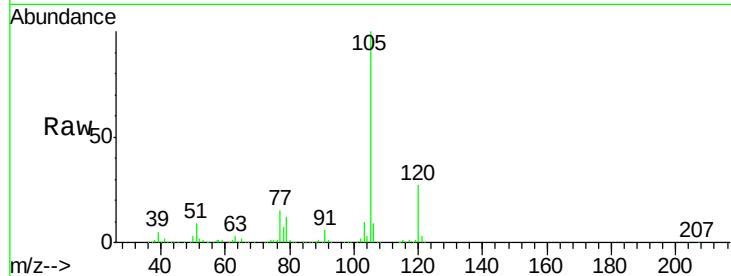
120 27.0 13.4 40.1

Manual Integrations

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2/19/2020 10:50:14 AM



#74

N-ethyl acetate

Concen: 45.640 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Tgt Ion: 43 Resp: 182300

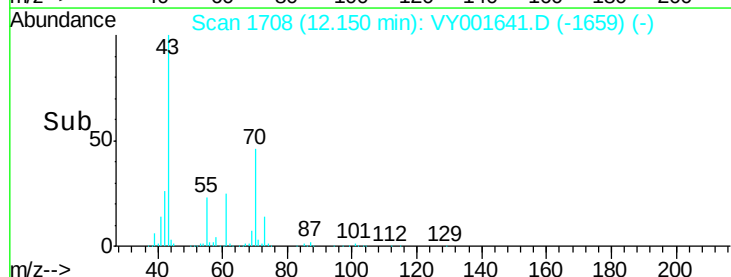
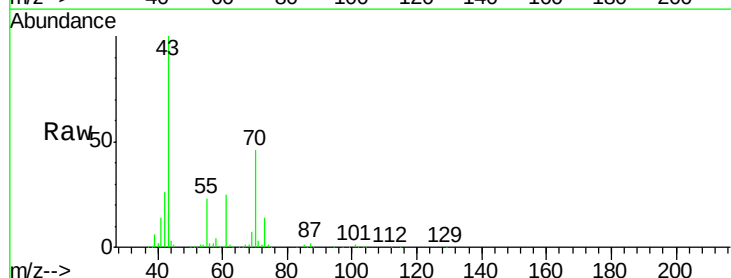
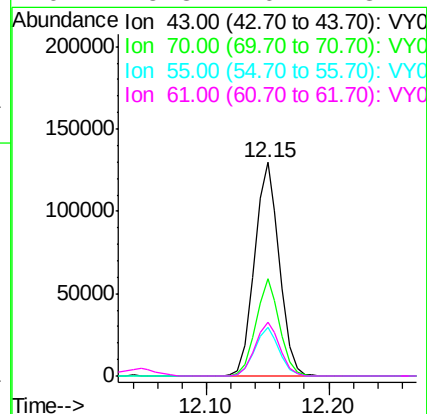
Ion Ratio Lower Upper

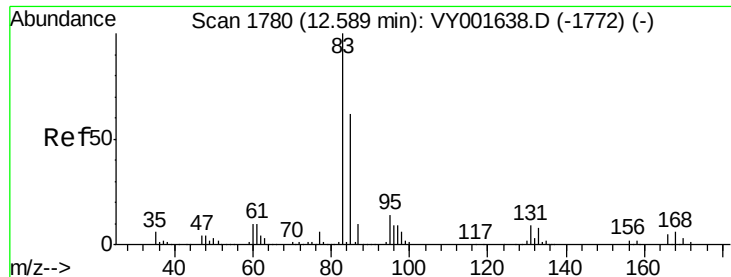
43 100

70 43.8 35.9 53.9

55 22.8 18.3 27.5

61 25.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.730 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

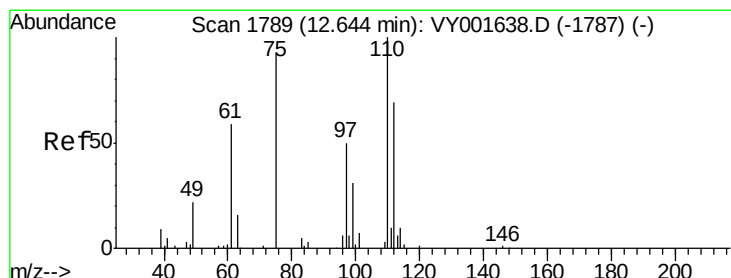
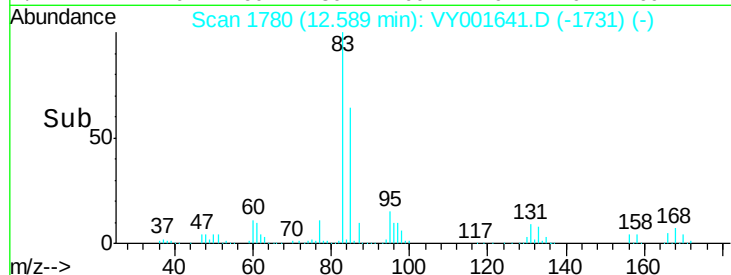
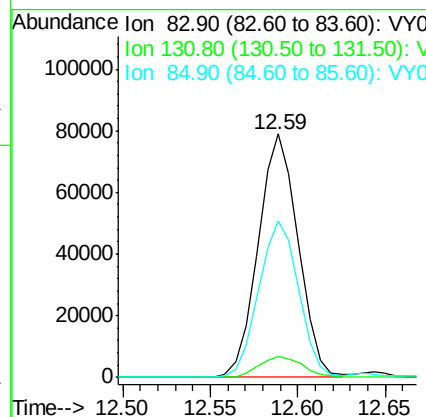
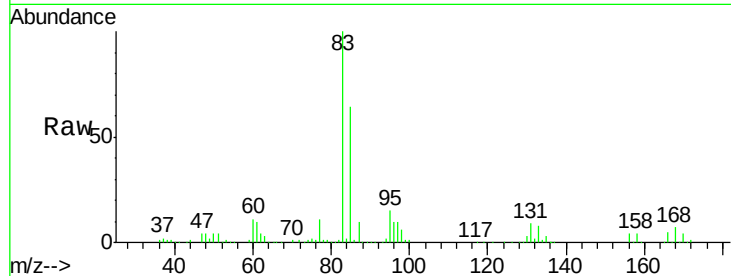
ClientSampleId :

ICVY021720

Tot Ion:	83	Resp:	124879
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	64.6	31.6	94.7

Manual Integrations
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2/19/2020 10:50:14 AM



#76

1,2,3-Trichloropropane

Concen: 46.953 ug/l m

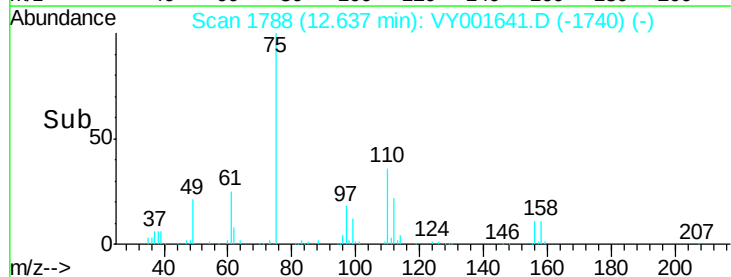
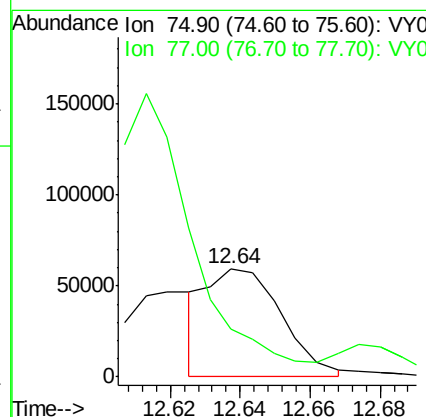
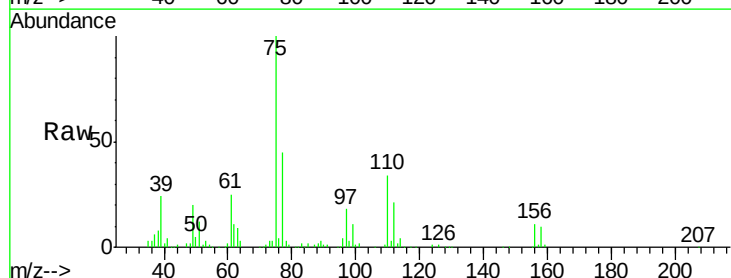
RT: 12.64 min Scan# 1788

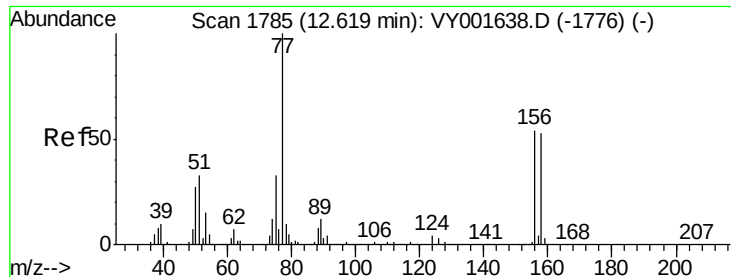
Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Tgt Ion:	75	Resp:	88487
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.213 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

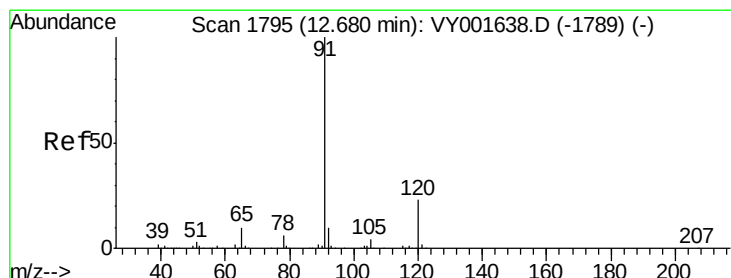
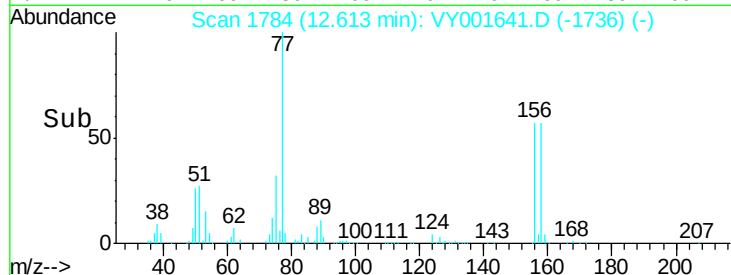
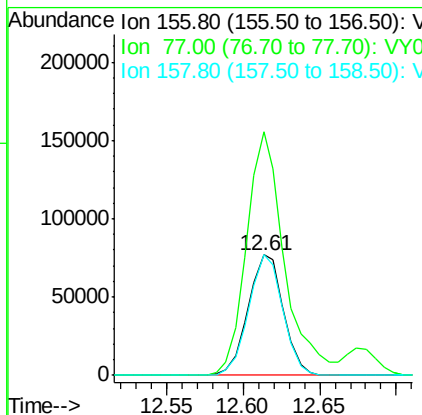
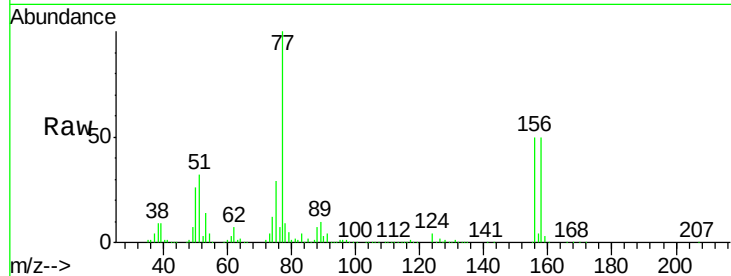
ClientSampleId :

ICVY021720

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.8	110.1	330.1
158	97.0	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 46.926 ug/l

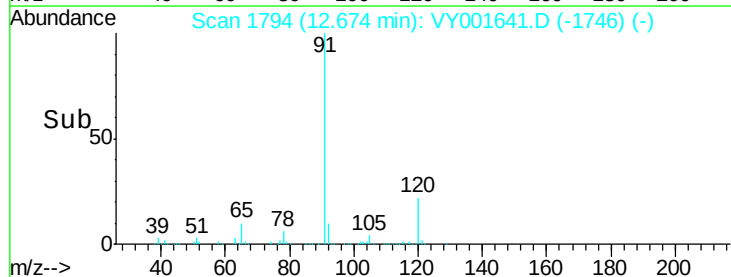
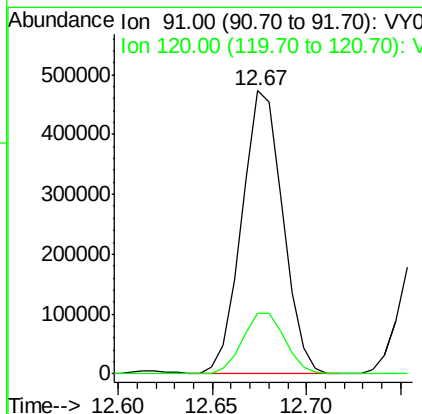
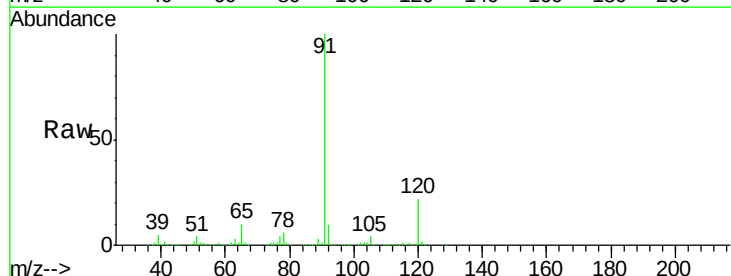
RT: 12.67 min Scan# 1794

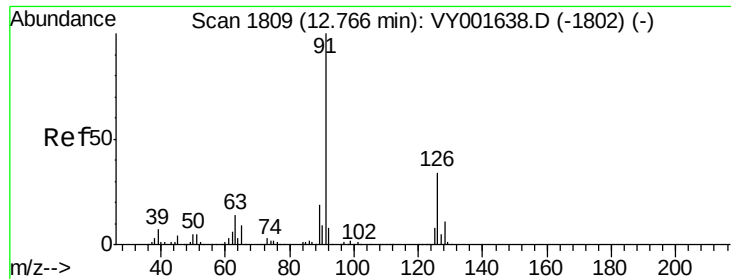
Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79

2-Chlorotoluene

Concen: 46.782 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY021720

Tot Ion: 91 Resp: 399954

Ion Ratio Lower Upper

91 100

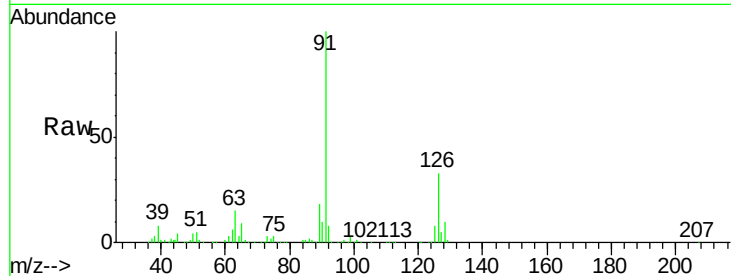
126 32.8 16.2 48.6

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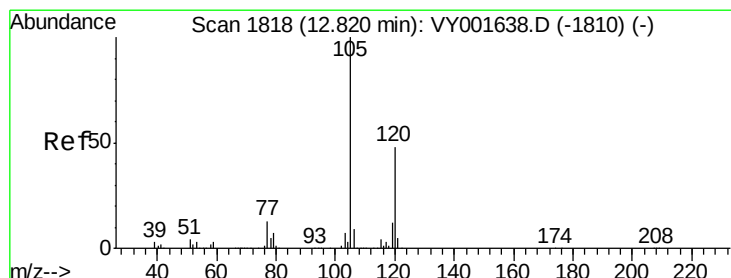
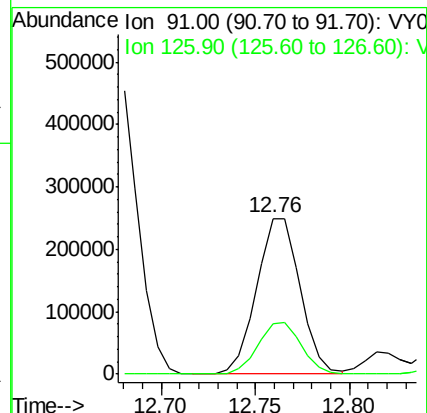
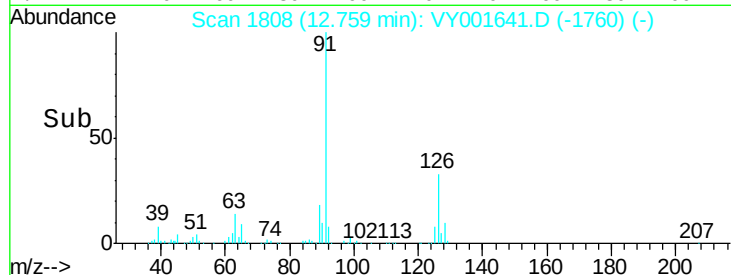
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001638.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.959 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY001641.D

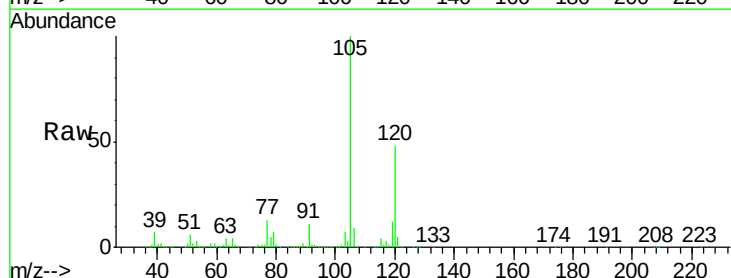
Acq: 17 Feb 2020 13:03

Tgt Ion: 105 Resp: 486507

Ion Ratio Lower Upper

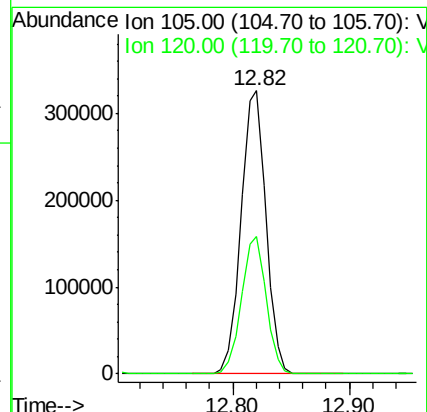
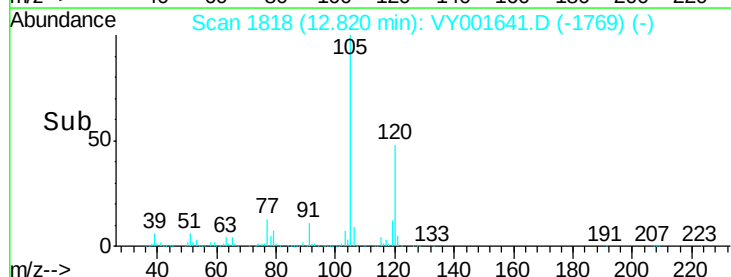
105 100

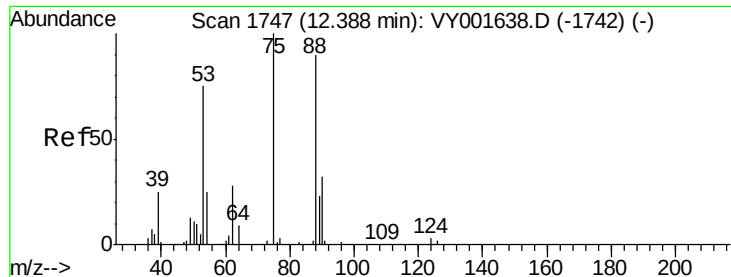
120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)

Ion 120.00 (119.70 to 120.70): VY001638.D (-1810) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.356 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

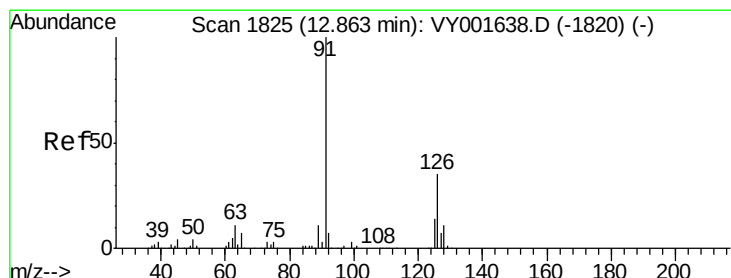
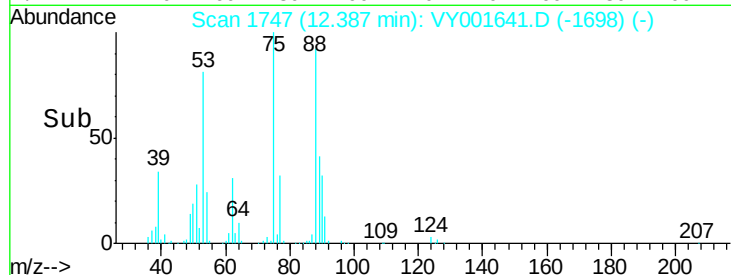
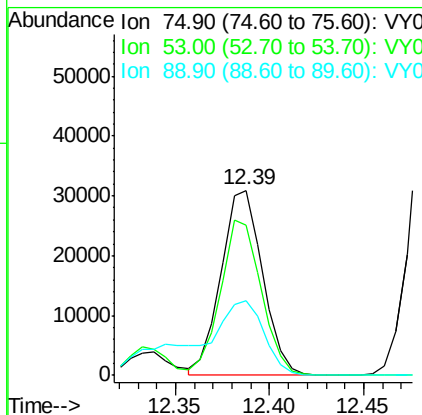
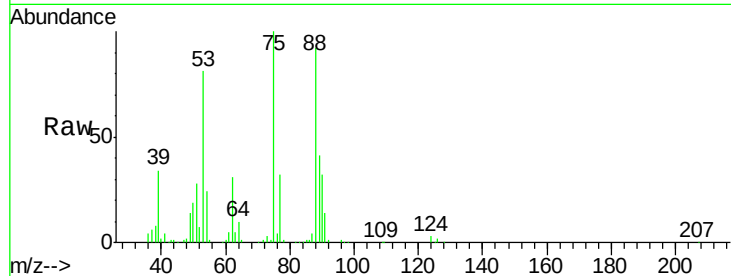
ClientSampleId :

ICVY021720

Tot Ion:	75	Resp:	47042
Ion	Ratio	Lower	Upper
75	100		
53	82.3	64.5	96.7
89	70.5	36.3	54.5#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.671 ug/l

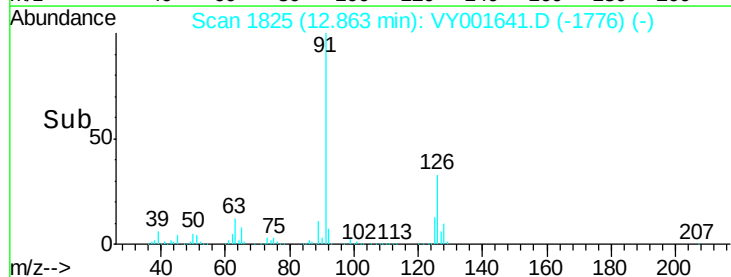
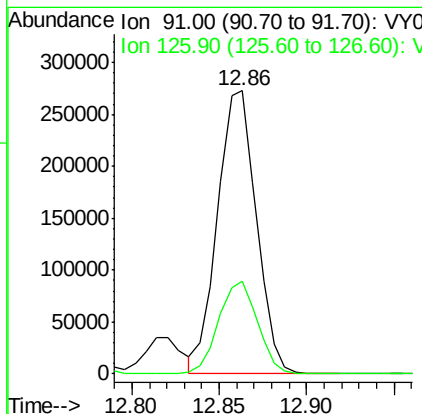
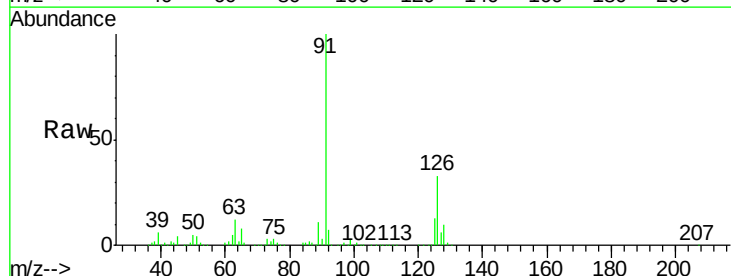
RT: 12.86 min Scan# 1825

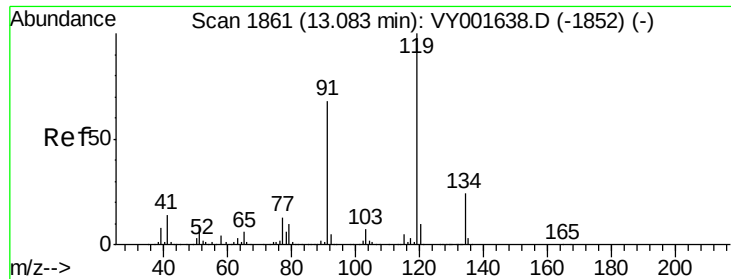
Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Tgt Ion:	91	Resp:	420831
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6





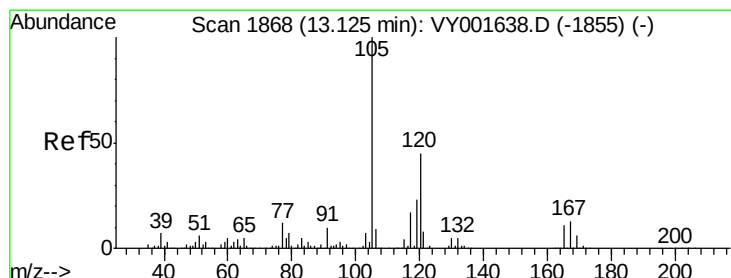
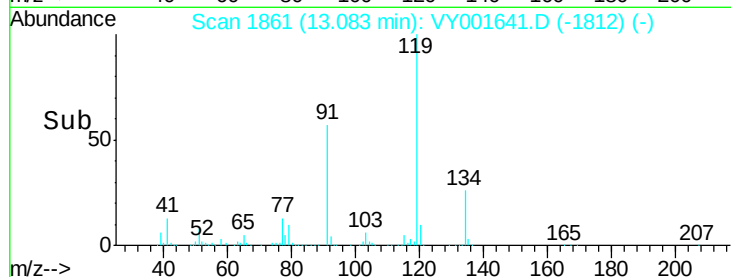
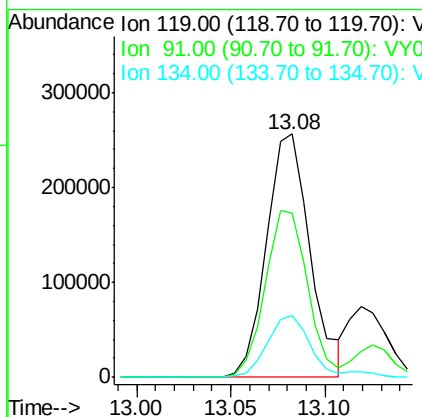
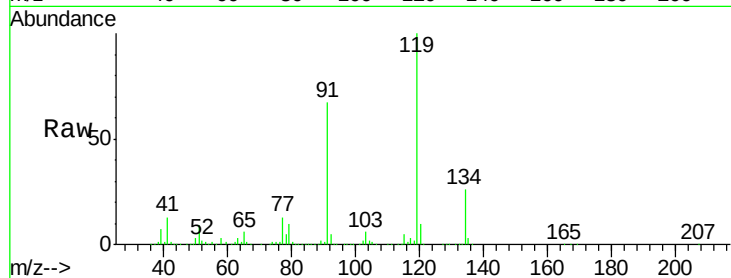
#83
 tert-Butylbenzene
 Concen: 47.669 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021720

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.5	100.5
134	26.1	13.3	39.8

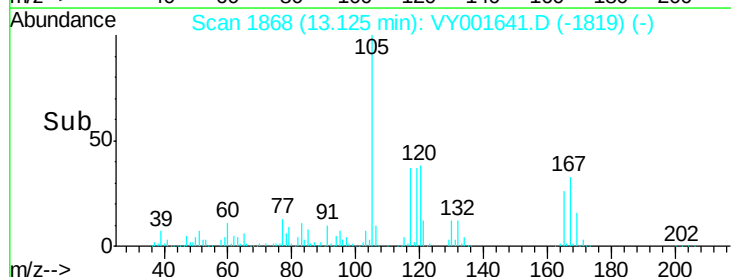
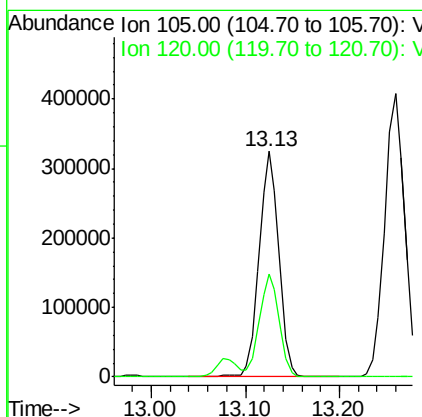
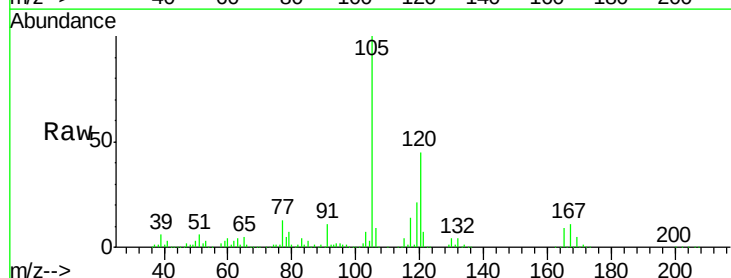
Manual Integrations
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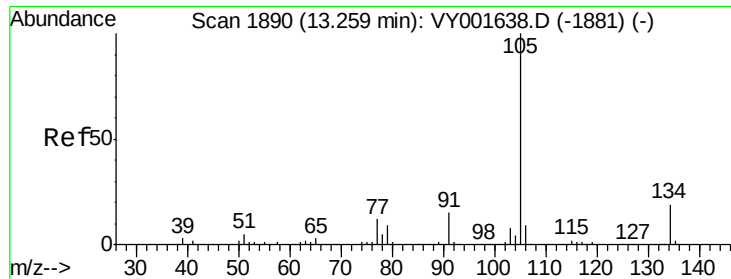
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.578 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 47.226 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

ICVY021720

Tot Ion:105 Resp: 601853

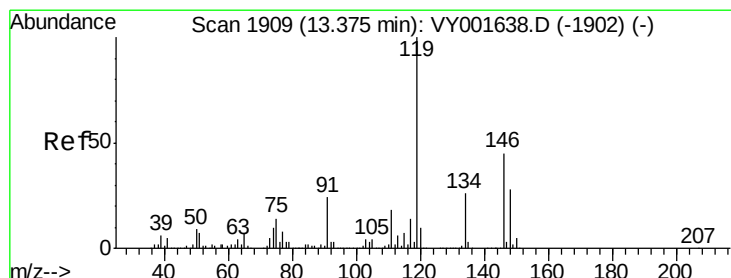
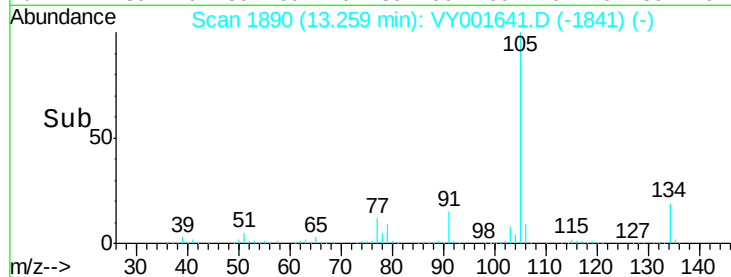
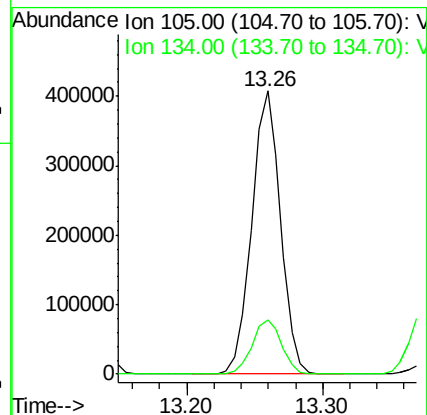
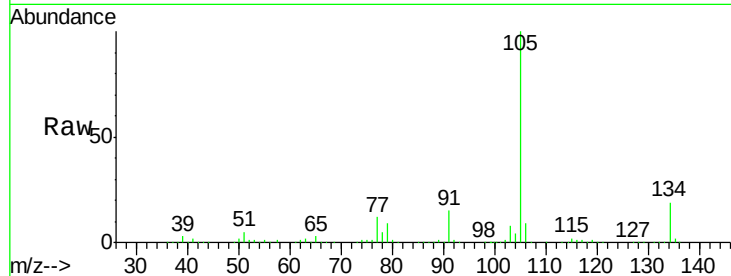
Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 46.987 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001641.D

Acq: 17 Feb 2020 13:03

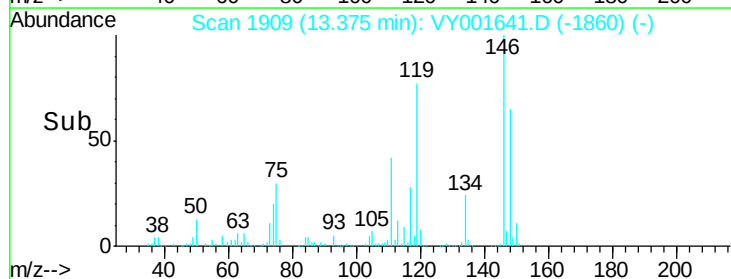
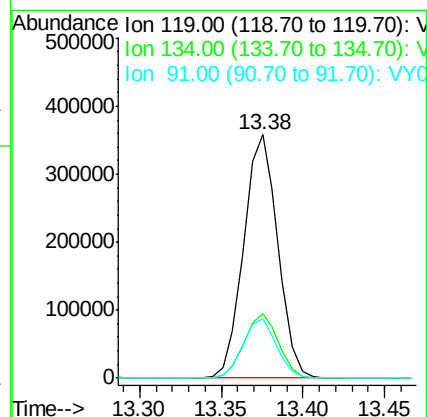
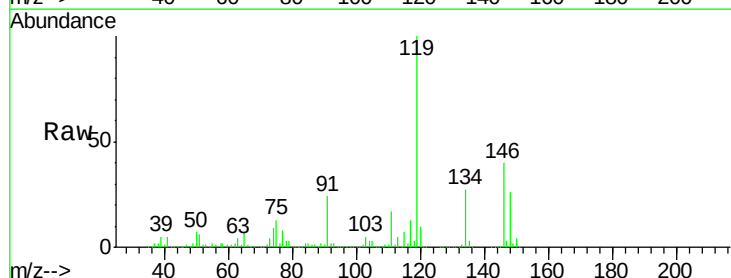
Tgt Ion:119 Resp: 520202

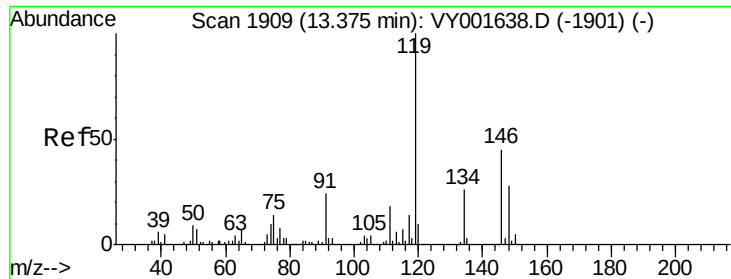
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 24.1 12.2 36.6





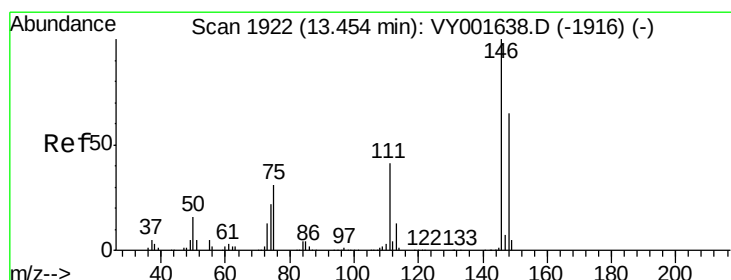
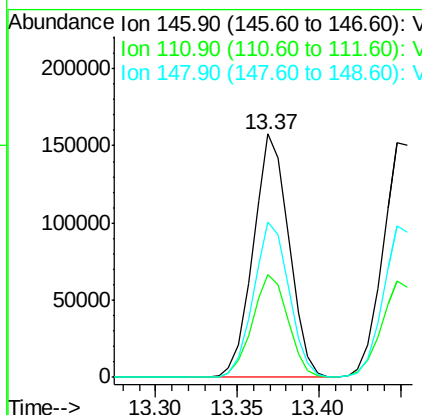
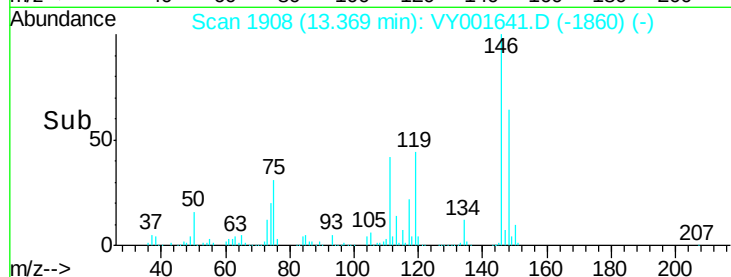
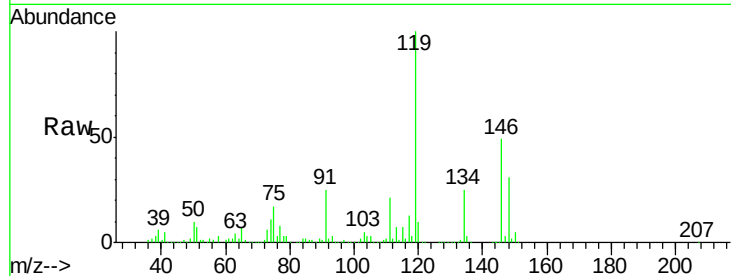
#87
 1,3-Dichlorobenzene
 Concen: 45.521 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021720

Tot Ion	Ratio	Resp	Lower	Upper
146	100	239528		
111	42.3	21.4	64.3	
148	63.7	31.6	94.7	

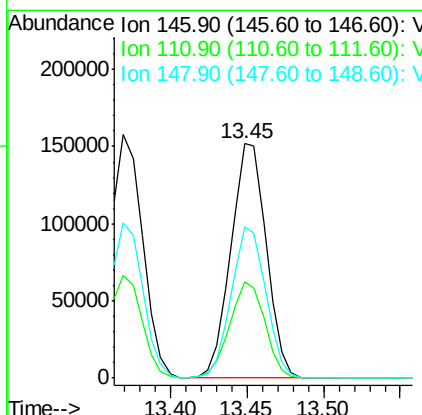
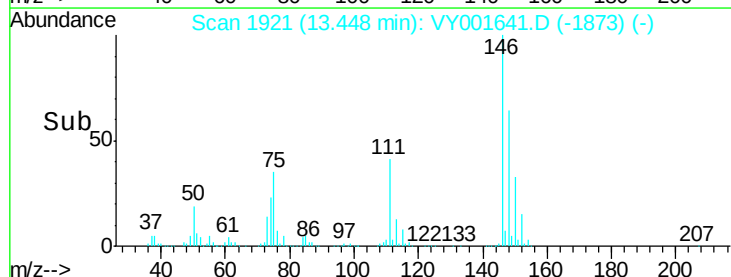
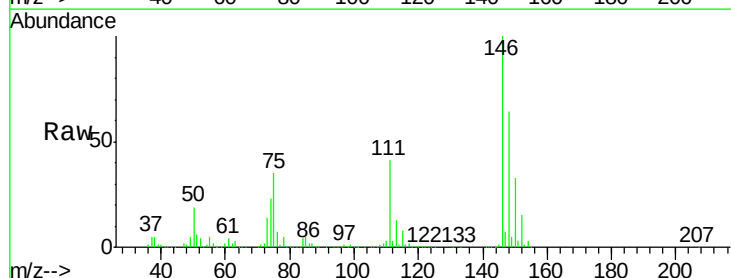
Manual Integrations
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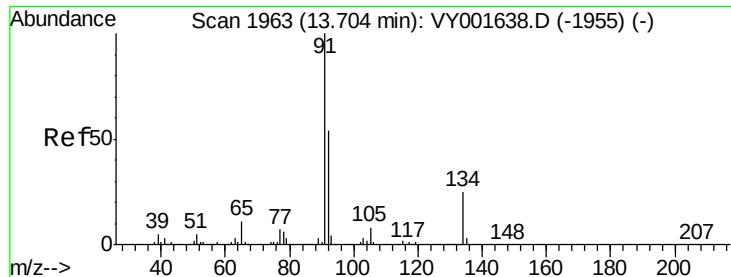
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#88
 1,4-Dichlorobenzene
 Concen: 45.897 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	244128		
111	40.8	20.4	61.3	
148	63.2	31.6	94.7	





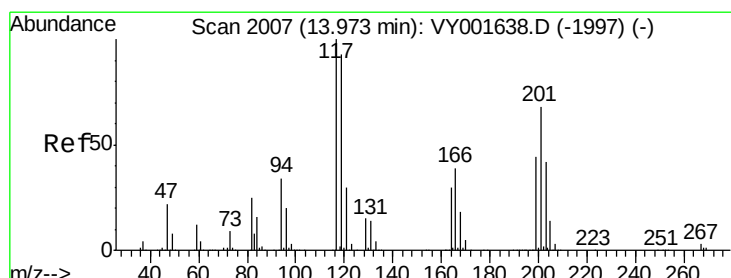
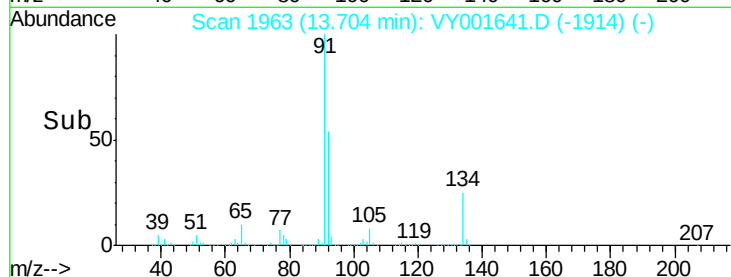
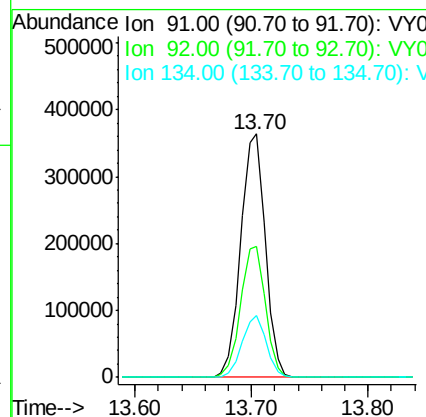
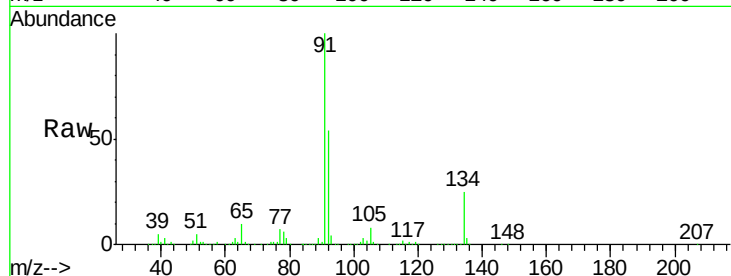
#89
n-Butylbenzene
Concen: 47.359 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.2	27.5	82.4	
134	24.7	12.4	37.4	

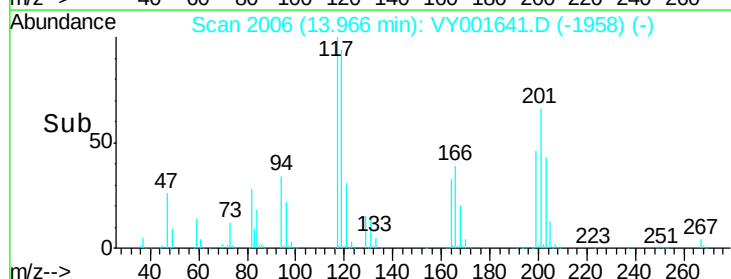
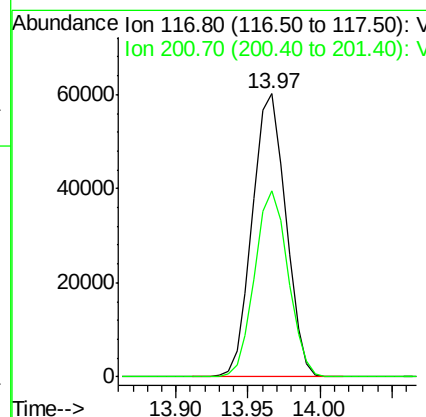
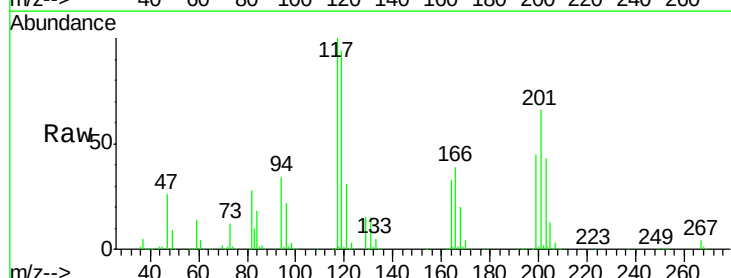
Manual Integrations
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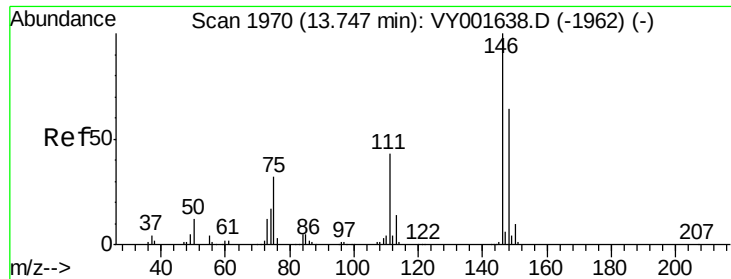
MMDadoda
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#90
Hexachloroethane
Concen: 46.472 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.6	32.5	97.4	





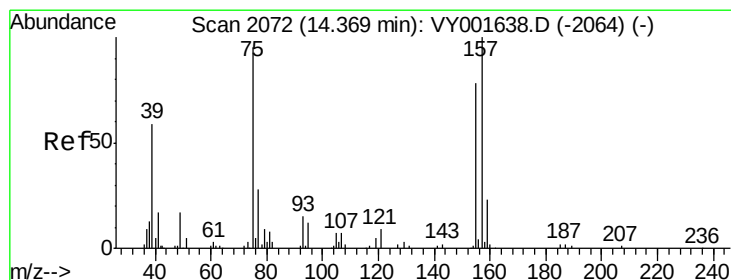
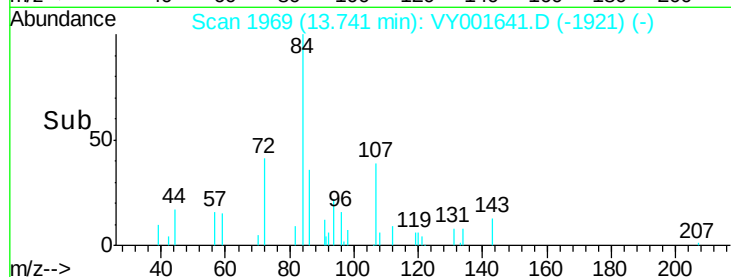
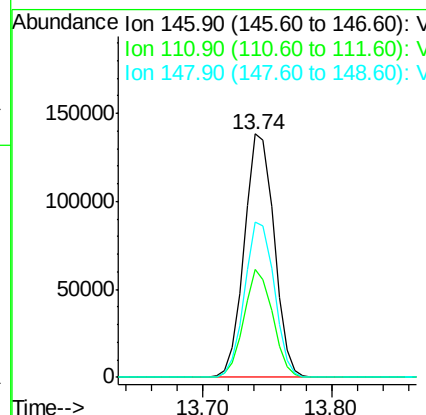
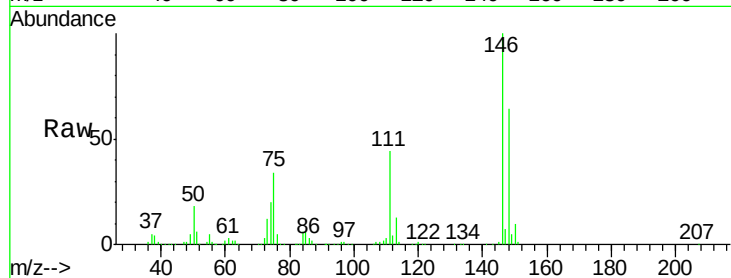
#91
 1,2-Dichlorobenzene
 Concen: 45.504 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021720

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.7
148	63.6	31.5	94.5

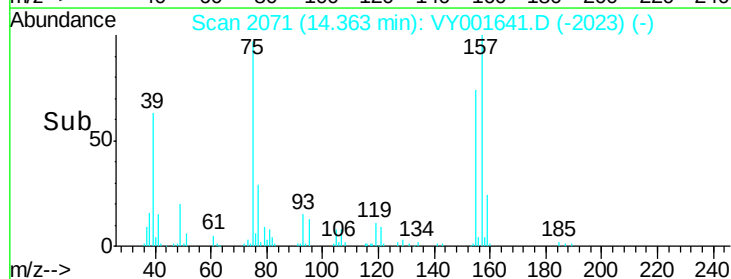
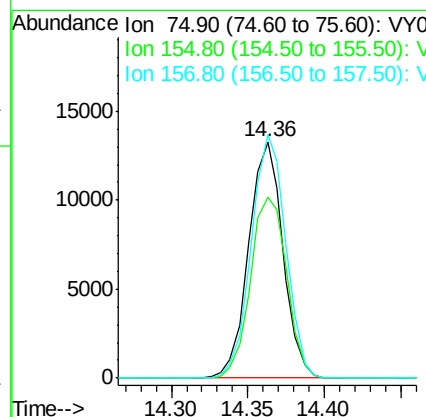
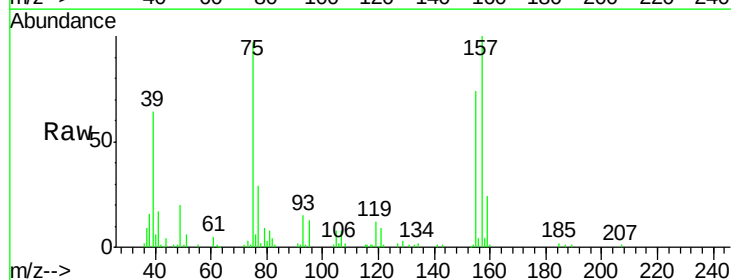
Manual Integrations
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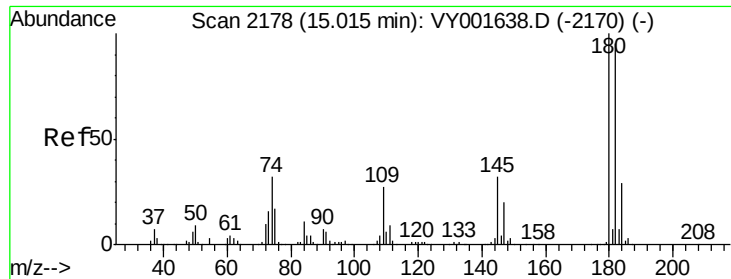
MMDadoda
 2/19/2020 10:50:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.677 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001641.D
 Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	40.8	122.4
157	103.9	52.1	156.4





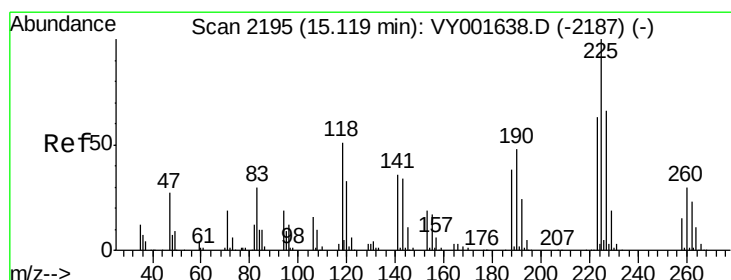
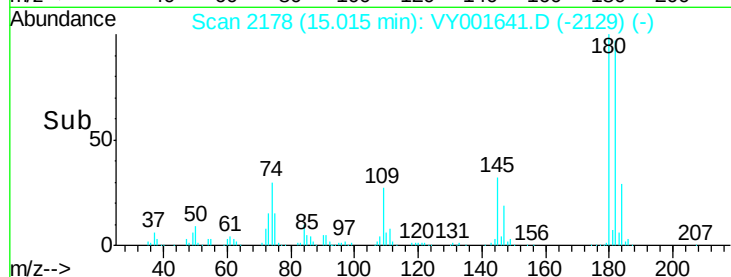
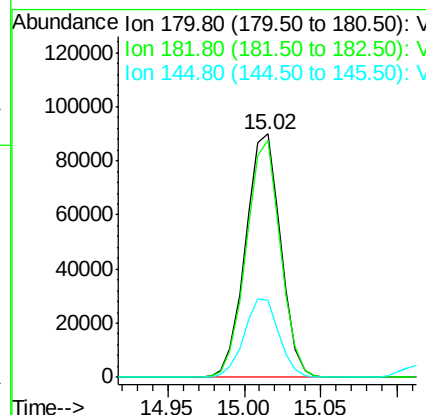
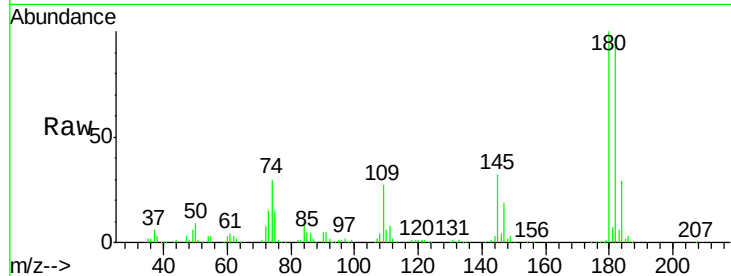
#93
1,2,4-Trichlorobenzene
Concen: 44.380 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.8	140.3
145	32.1	16.2	48.5

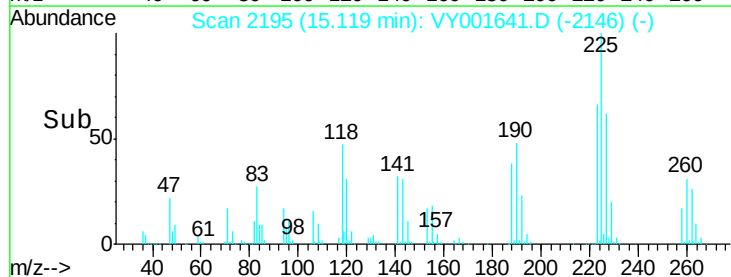
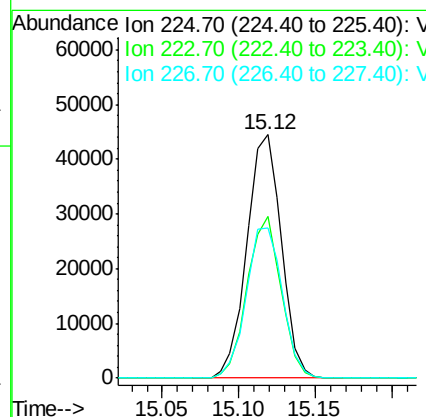
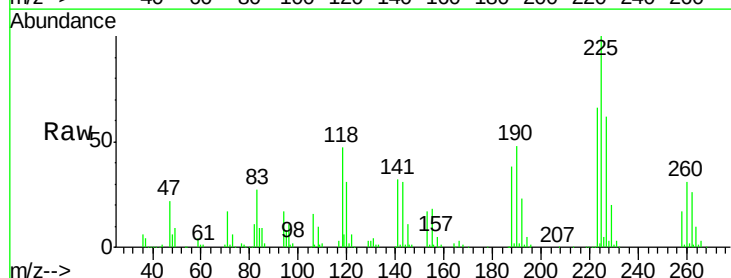
Manual Integrations
APPROVED

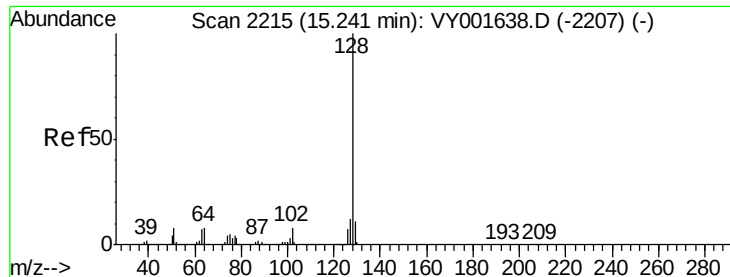
MMDadoda
2/19/2020 10:50:14 AM



#94
Hexachlorobutadiene
Concen: 43.551 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.4	94.0
227	64.9	31.6	94.8





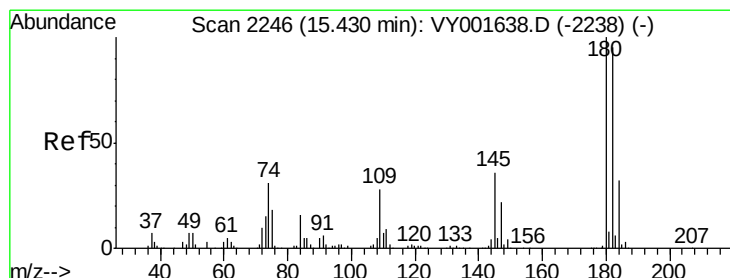
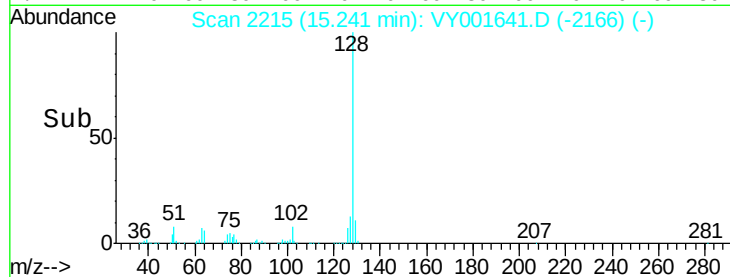
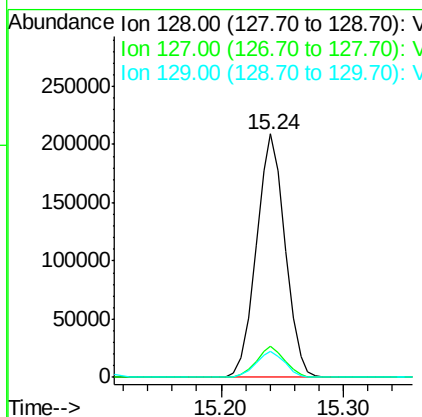
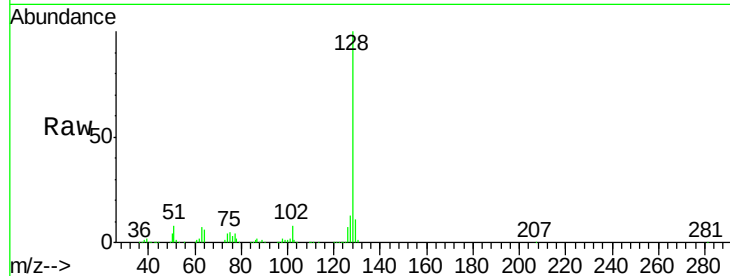
#95
Naphthalene
Concen: 46.131 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
ICVY021720

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.9	14.9
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:50:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 44.440 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY001641.D
Acq: 17 Feb 2020 13:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.2	141.6
145	34.3	17.3	52.0

