

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001848.D
 Acq On : 04 Mar 2020 12:51
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY030420

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:16 PM

Quant Time: Mar 05 04:26:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	194489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	353162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	314733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	143066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	102462	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	7.74	113	97267	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.19	98	409238	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.49	95	139750	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	85853	47.822	ug/l	96
3) Chloromethane	2.13	50	120155	49.642	ug/l	100
4) Vinyl Chloride	2.27	62	120814	49.071	ug/l	96
5) Bromomethane	2.67	94	77670	54.545	ug/l	98
6) Chloroethane	2.81	64	74577	48.221	ug/l	95
7) Trichlorofluoromethane	3.15	101	163837	49.068	ug/l	99
8) Diethyl Ether	3.55	74	66921	50.853	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	106552	49.615	ug/l	99
10) Methyl Iodide	4.12	142	127060	51.161	ug/l	99
11) Tert butyl alcohol	4.99	59	54698	253.462	ug/l	100
12) 1,1-Dichloroethene	3.90	96	110997	51.331	ug/l	98
13) Acrolein	3.76	56	73321	251.298	ug/l	97
14) Allyl chloride	4.51	41	192126	50.118	ug/l	98
15) Acrylonitrile	5.20	53	179177	254.797	ug/l	100
16) Acetone	3.97	43	165733	274.055	ug/l	95
17) Carbon Disulfide	4.22	76	368996	50.762	ug/l	99
18) Methyl Acetate	4.50	43	75903	48.849	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	298394	50.922	ug/l	99
20) Methylene Chloride	4.75	84	123756	47.749	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	123611	50.364	ug/l	97
22) Diisopropyl ether	6.14	45	382250	48.645	ug/l	99
23) Vinyl Acetate	6.09	43	1286709	249.779	ug/l	98
24) 1,1-Dichloroethane	6.05	63	210430	49.451	ug/l	98
25) 2-Butanone	7.02	43	241809	262.936	ug/l	98
26) 2,2-Dichloropropane	7.01	77	175956	50.379	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	135652	50.810	ug/l	98
28) Bromochloromethane	7.36	49	91526	47.718	ug/l	97
29) Tetrahydrofuran	7.37	42	150189	245.927	ug/l	97
30) Chloroform	7.53	83	196443	49.136	ug/l	99
31) Cyclohexane	7.81	56	216669	47.488	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	171024	50.754	ug/l	98
36) 1,1-Dichloropropene	7.94	75	167909	49.407	ug/l	99
37) Ethyl Acetate	7.10	43	98146	49.689	ug/l	99
38) Carbon Tetrachloride	7.93	117	145334	50.060	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	223184	49.514	ug/l	98
40) Benzene	8.18	78	497577	49.396	ug/l	99
41) Methacrylonitrile	7.33	41	40905m	46.017	ug/l	
42) 1,2-Dichloroethane	8.26	62	127626	49.169	ug/l	99
43) Isopropyl Acetate	8.29	43	186243	49.803	ug/l	100
44) Trichloroethene	8.96	130	119590	48.748	ug/l	99
45) 1,2-Dichloropropane	9.24	63	125538	49.577	ug/l	100
46) Dibromomethane	9.32	93	65821	50.441	ug/l	98
47) Bromodichloromethane	9.51	83	153024	50.412	ug/l	99
48) Methyl methacrylate	9.31	41	86444	52.094	ug/l	97
49) 1,4-Dioxane	9.32	88	18163	1015.801	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	487551	253.119	ug/l	98
52) Toluene	10.25	92	302347	49.409	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	170240	51.477	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	199270	50.615	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	97046	50.817	ug/l	97
56) Ethyl methacrylate	10.52	69	146509	52.340	ug/l	99
57) 1,3-Dichloropropane	10.80	76	168460	49.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	237551	241.694	ug/l	99
59) 2-Hexanone	10.85	43	359007	261.131	ug/l	98
60) Dibromochloromethane	11.00	129	102132	50.753	ug/l	99
61) 1,2-Dibromoethane	11.10	107	91309	50.476	ug/l	99
64) Tetrachloroethene	10.73	164	95287	48.277	ug/l	97
65) Chlorobenzene	11.53	112	310946	49.583	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	103414	50.286	ug/l	100
67) Ethyl Benzene	11.60	91	579953	49.587	ug/l	98
68) m/p-Xylenes	11.71	106	430750	99.618	ug/l	100
69) o-Xylene	12.04	106	203853	50.019	ug/l	99
70) Styrene	12.05	104	353329	50.619	ug/l	99
71) Bromoform	12.22	173	59301	53.171	ug/l #	98
73) Isopropylbenzene	12.34	105	547893	50.167	ug/l	100
74) N-amyl acetate	12.15	43	172231	51.312	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	121400	51.547	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	80145m	47.211	ug/l	
77) Bromobenzene	12.62	156	116684	50.428	ug/l	99
78) n-propylbenzene	12.68	91	675986	50.171	ug/l	100
79) 2-Chlorotoluene	12.77	91	371760	49.941	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	450272	50.081	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	45042	53.596	ug/l	97
82) 4-Chlorotoluene	12.86	91	388864	50.172	ug/l	100
83) tert-Butylbenzene	13.08	119	390193	52.251	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	448415	50.256	ug/l	100
85) sec-Butylbenzene	13.27	105	561072	50.973	ug/l	100
86) p-Isopropyltoluene	13.38	119	486134	51.198	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	224095	49.423	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	228439	49.661	ug/l	99
89) n-Butylbenzene	13.70	91	495246	50.273	ug/l	99
90) Hexachloroethane	13.97	117	92630	51.712	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	206139	50.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	18702	50.889	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	133843	50.102	ug/l	98
94) Hexachlorobutadiene	15.13	225	64337	49.398	ug/l	99
95) Naphthalene	15.25	128	330574	52.170	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	117976	50.131	ug/l	99

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

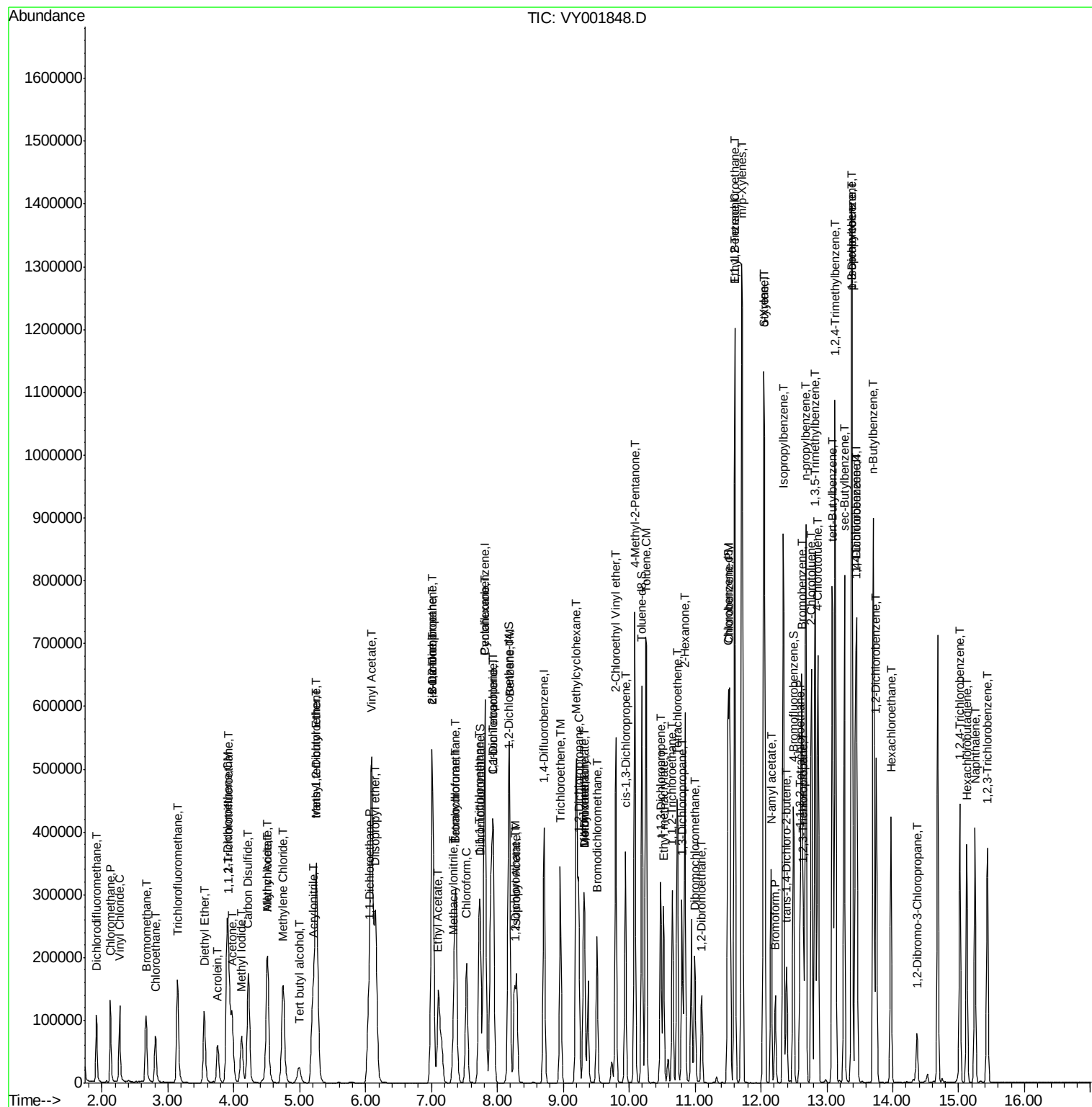
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
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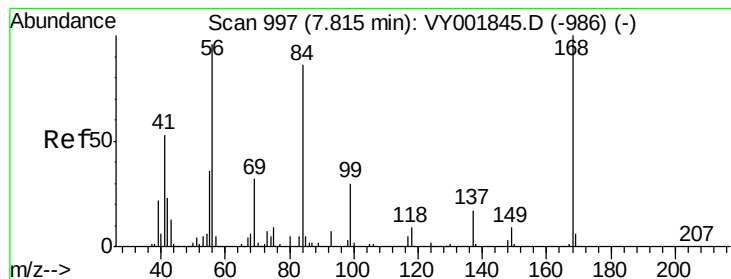
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY030420

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

ICVY030420

Tot Ion:168 Resp: 194489

Ion Ratio Lower Upper

168 100

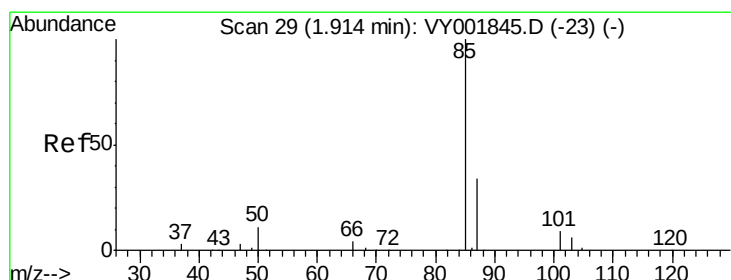
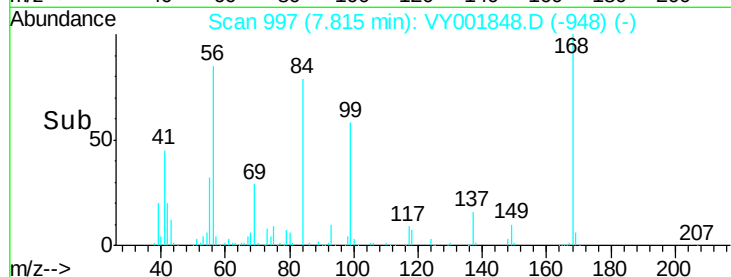
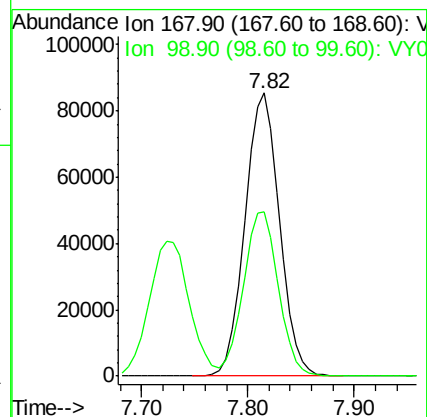
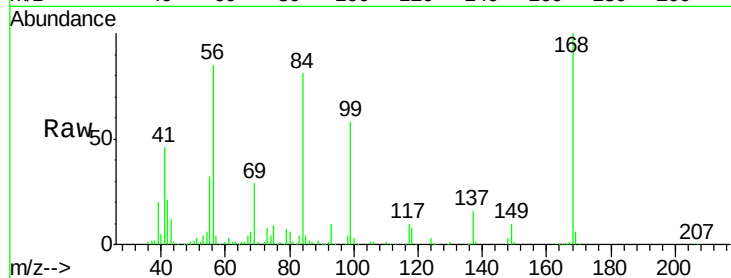
99 58.0 46.7 70.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.822 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001848.D

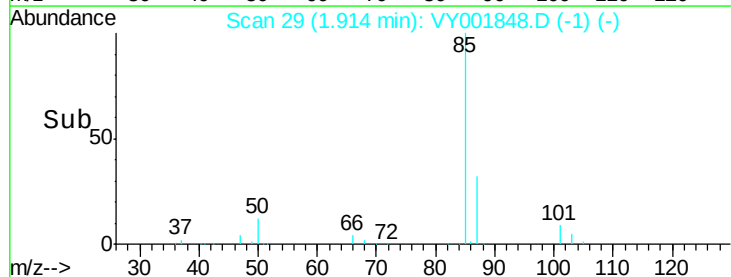
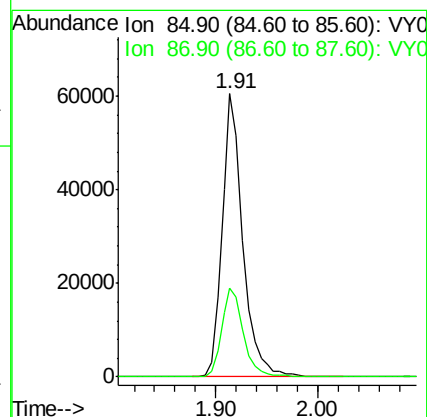
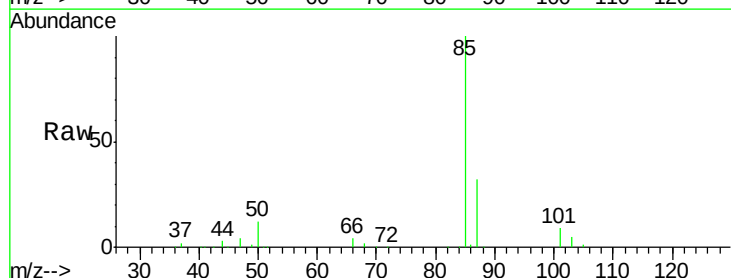
Acq: 04 Mar 2020 12:51

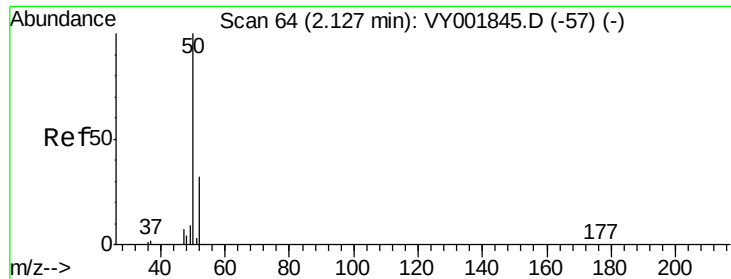
Tgt Ion: 85 Resp: 85853

Ion Ratio Lower Upper

85 100

87 31.6 16.8 50.4





#3

Chloromethane

Concen: 49.642 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Tot Ion: 50 Resp: 120155

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.6

Instrument :

MSVOA_Y

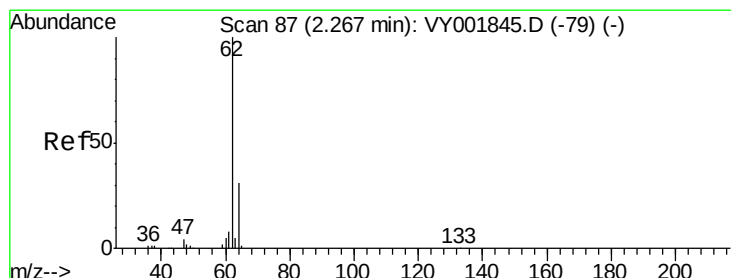
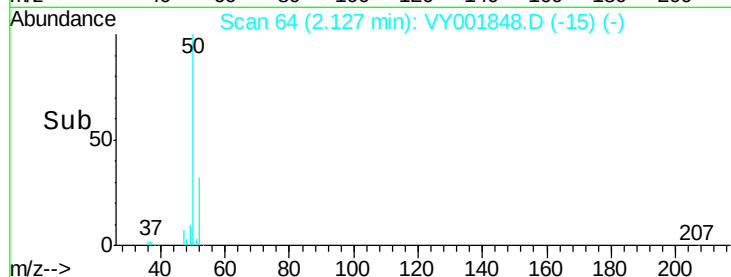
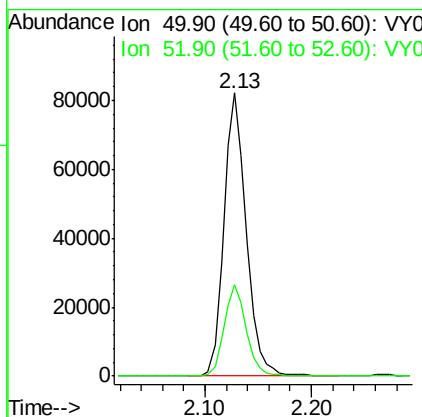
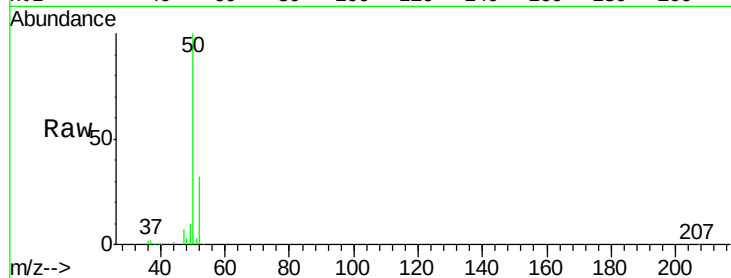
ClientSampleId :

ICVY030420

Manual Integrations
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#4

Vinyl Chloride

Concen: 49.071 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001848.D

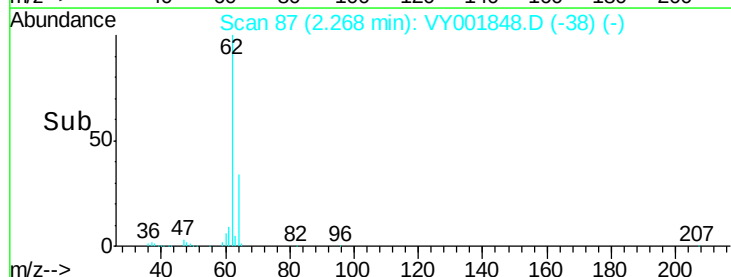
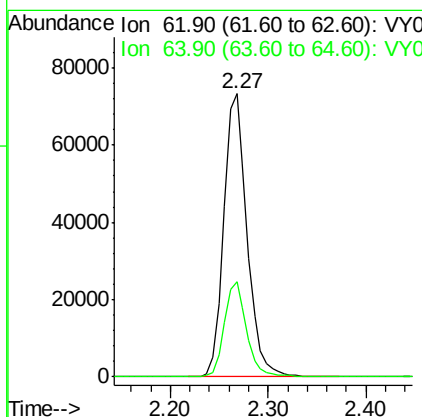
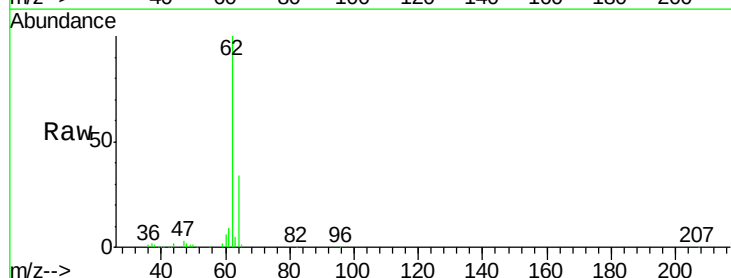
Acq: 04 Mar 2020 12:51

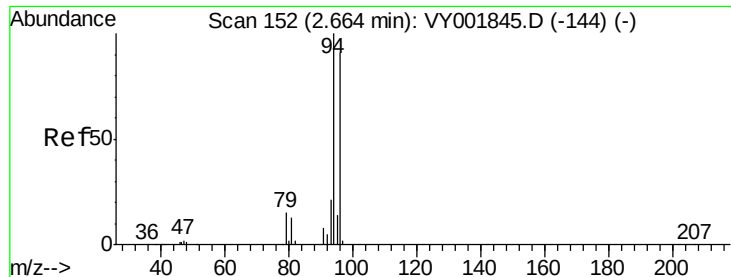
Tgt Ion: 62 Resp: 120814

Ion Ratio Lower Upper

62 100

64 33.6 25.1 37.7





#5

Bromomethane

Concen: 54.545 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

ICVY030420

Tot Ion: 94 Resp: 77670

Ion Ratio Lower Upper

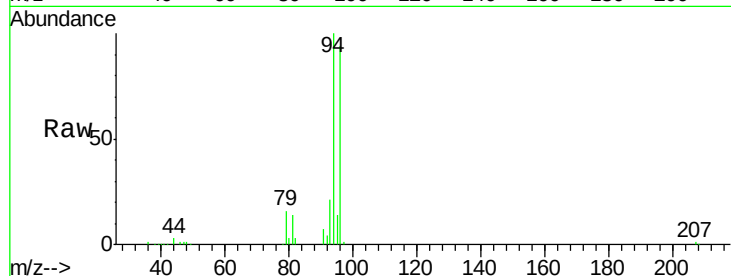
94 100

96 93.7 73.2 109.8

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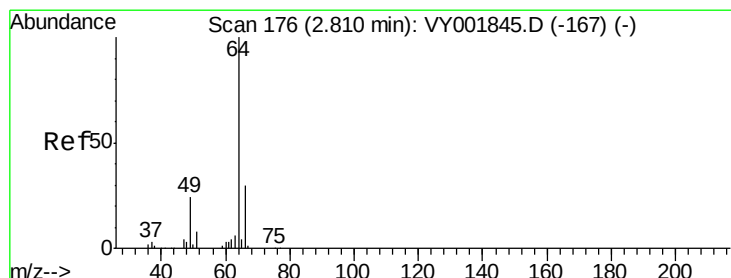
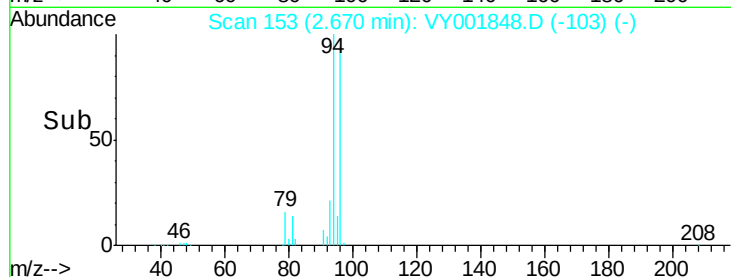
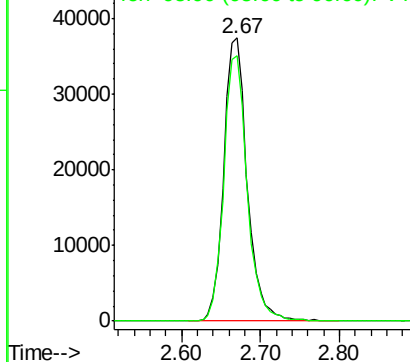
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 48.221 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001848.D

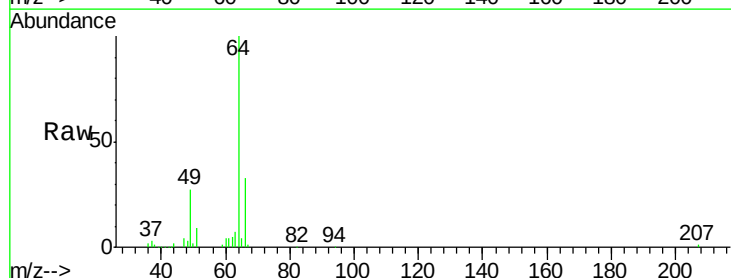
Acq: 04 Mar 2020 12:51

Tgt Ion: 64 Resp: 74577

Ion Ratio Lower Upper

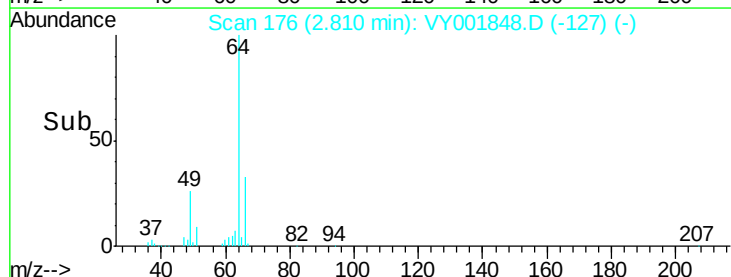
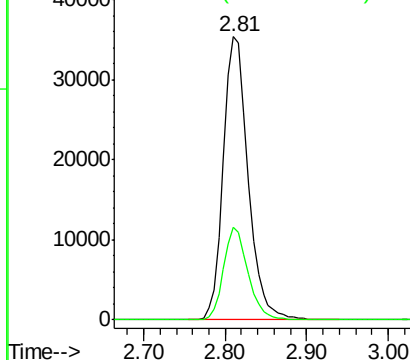
64 100

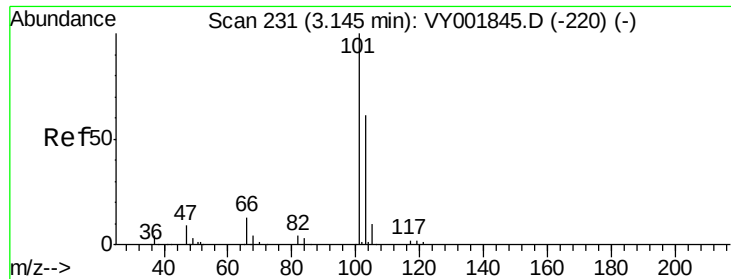
66 32.5 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

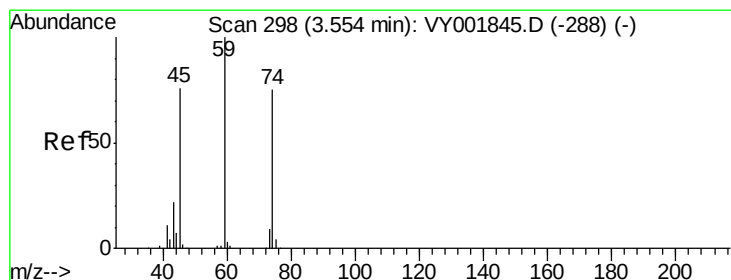
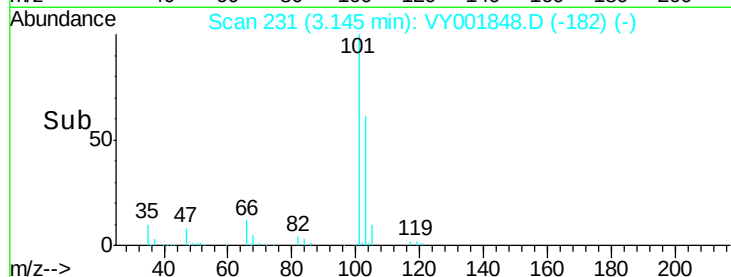
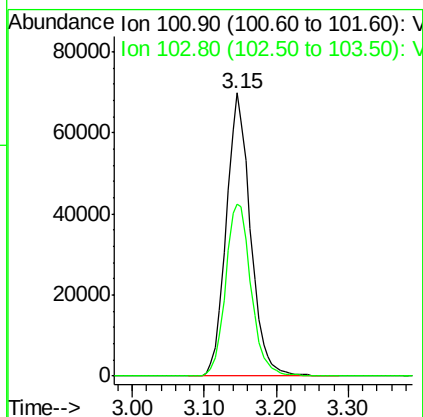
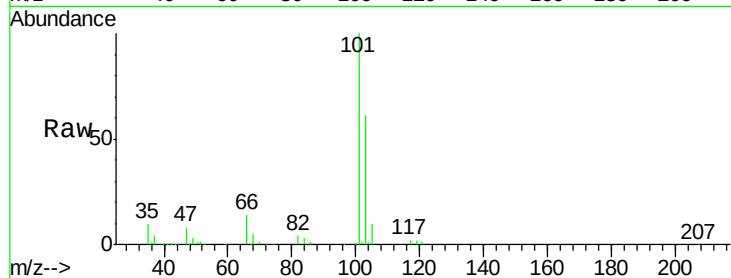
Trichlorofluoromethane
Concen: 49.068 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001848.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.0	49.1	73.7

Manual Integrations
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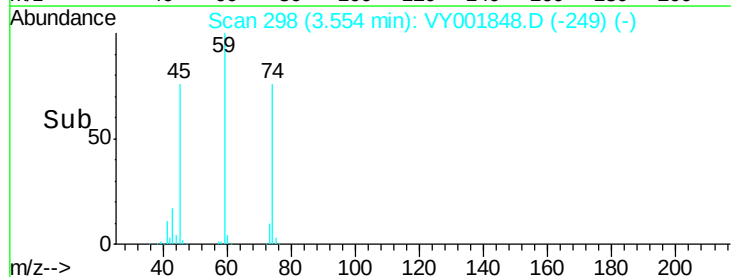
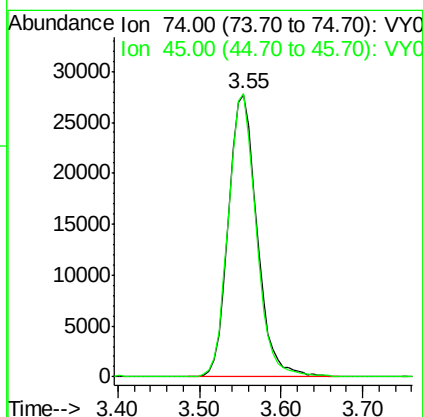
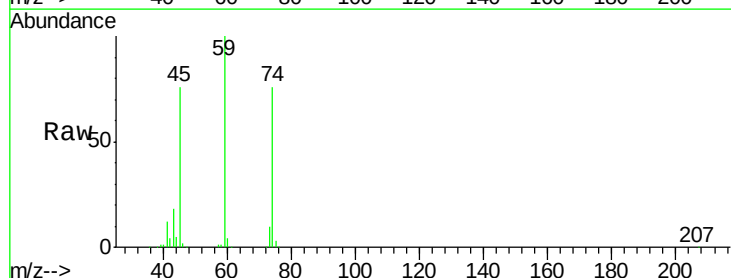
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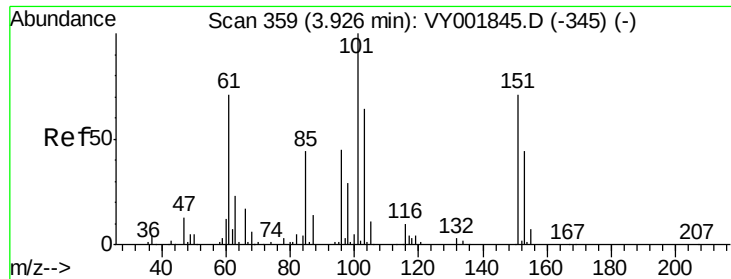


#8

Diethyl Ether
Concen: 50.853 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001848.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.615 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001848.D

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Instrument :

MSVOA_Y

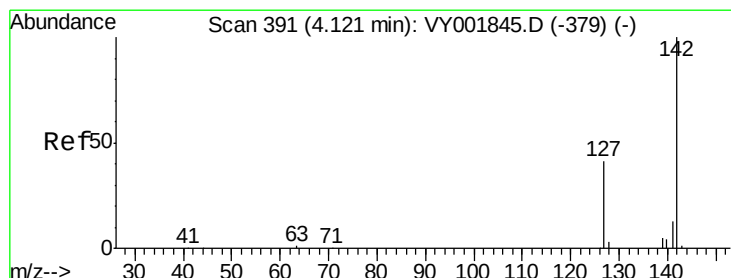
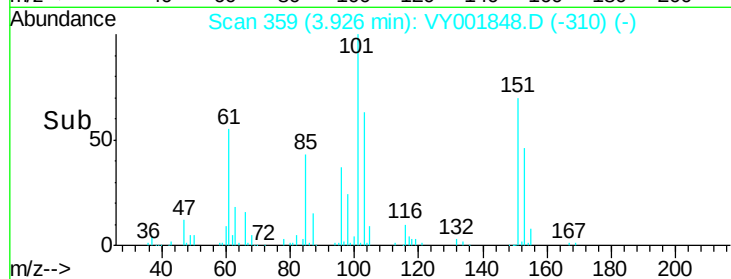
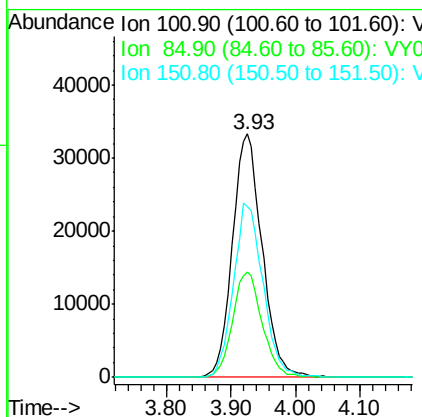
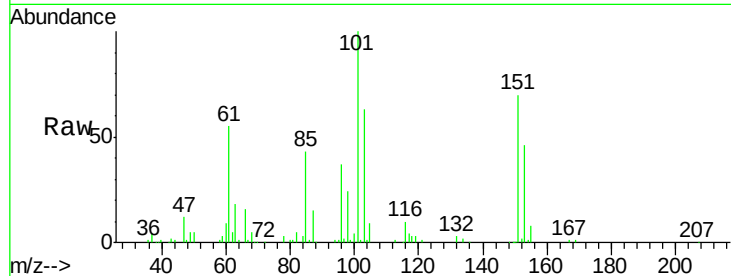
ClientSampleId :

ICVVY030420

Tot Ion:	101	Resp:	106552
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.3	52.9
151	71.2	57.0	85.4

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#10

Methyl Iodide

Concen: 51.161 ug/l

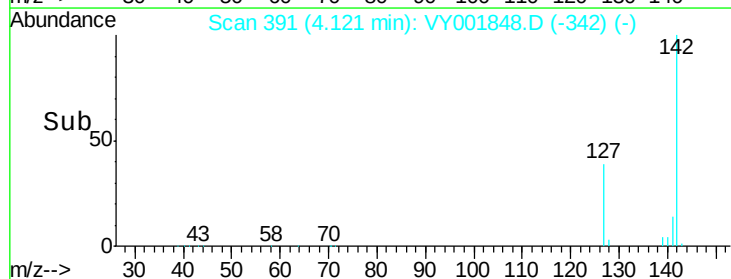
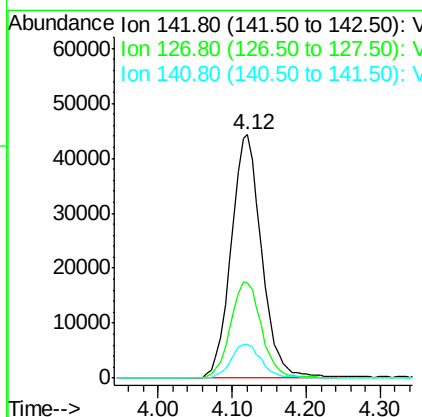
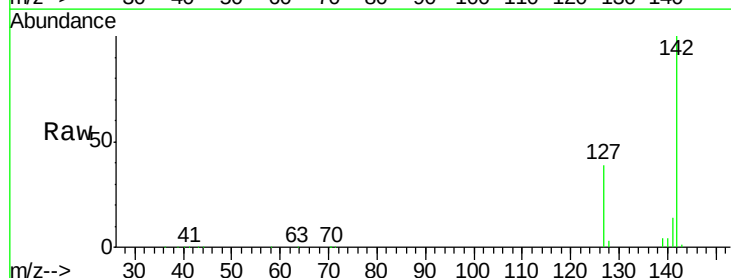
RT: 4.12 min Scan# 391

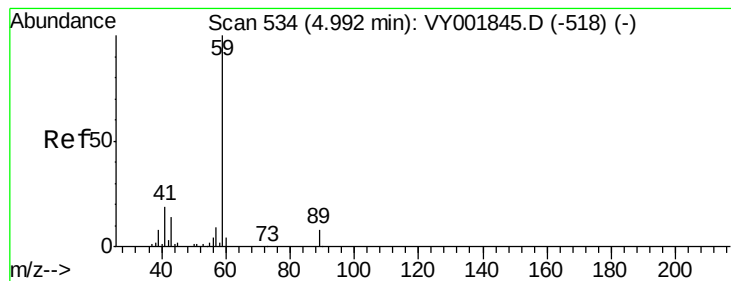
Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Tgt Ion:	142	Resp:	127060
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.7	49.1
141	13.9	11.0	16.6





#11

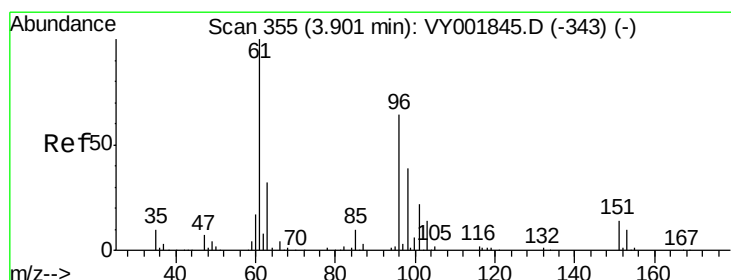
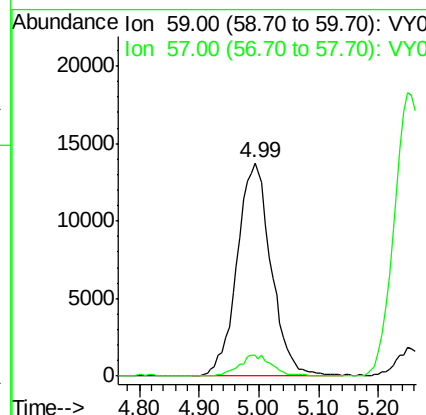
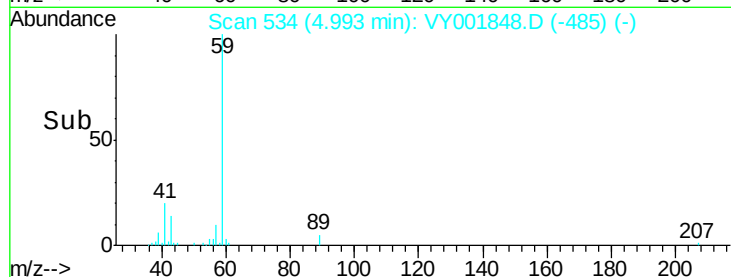
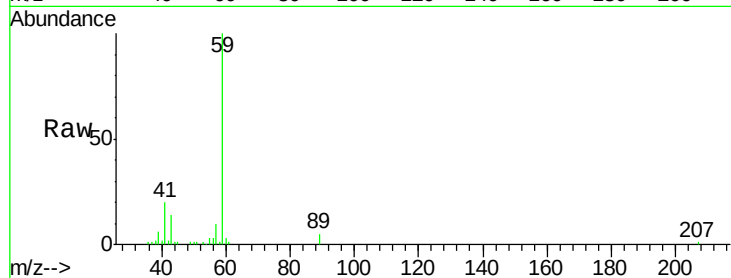
Tert butyl alcohol
Concen: 253.462 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030420

Tot Ion	59	Resp	54698
Ion Ratio	100	Lower	Upper
57	9.2	7.4	11.2

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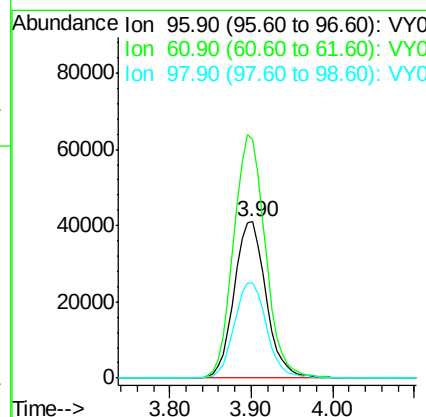
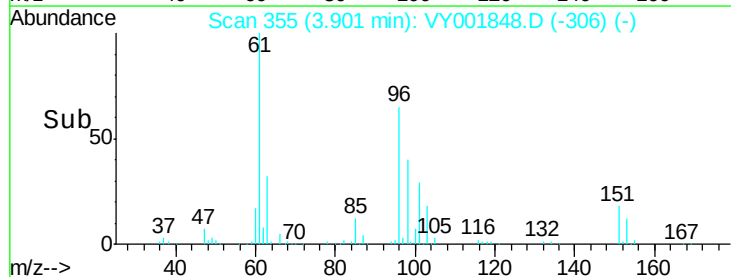
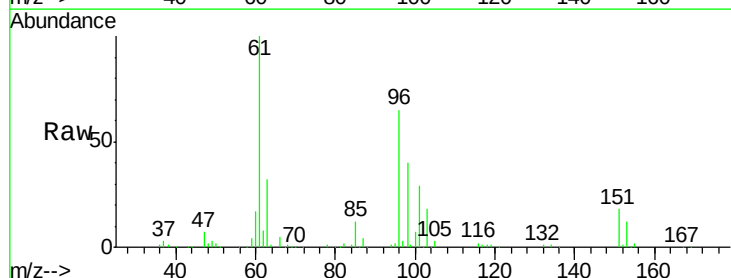
MMDadoda
3/5/2020 1:37:16 PM

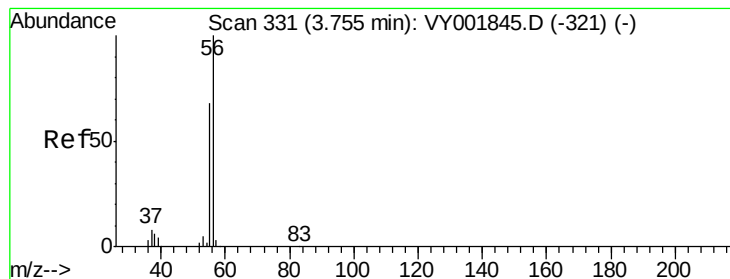


#12

1,1-Dichloroethene
Concen: 51.331 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	96	Resp	110997
Ion Ratio	100	Lower	Upper
61	152.8	124.8	187.2
98	60.5	49.2	73.8





#13

Acrolein

Concen: 251.298 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

ICVY030420

Tot Ion: 56 Resp: 73321

Ion Ratio Lower Upper

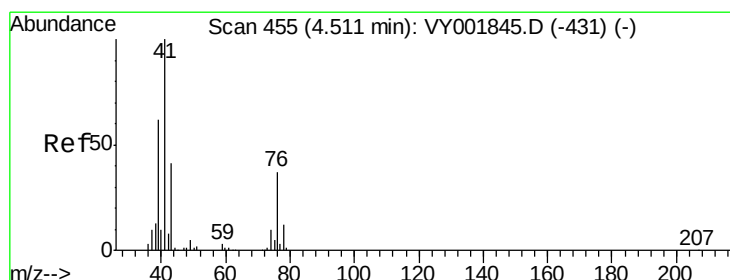
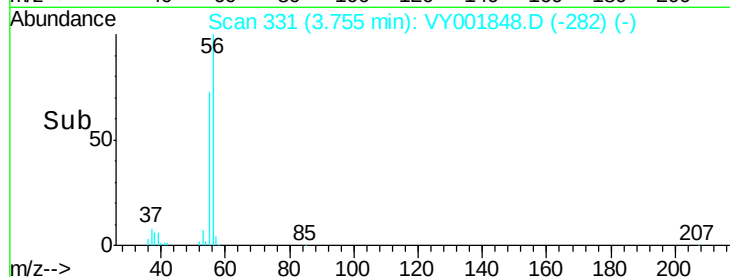
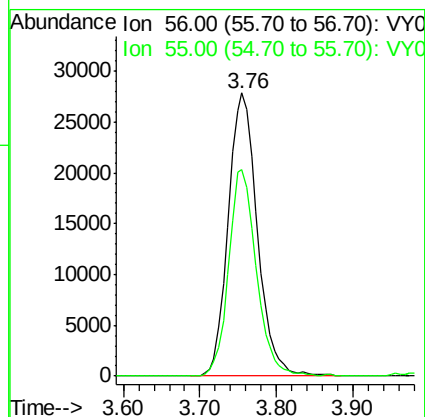
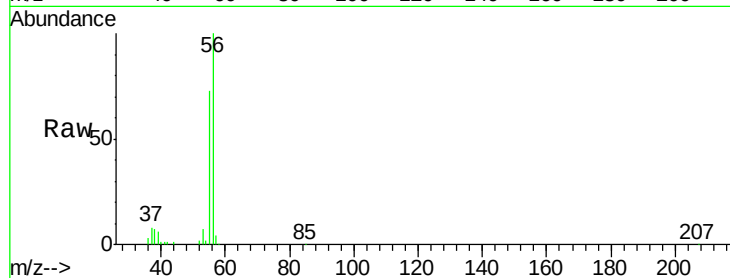
56 100

55 69.6 54.0 81.0

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#14

Allyl chloride

Concen: 50.118 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

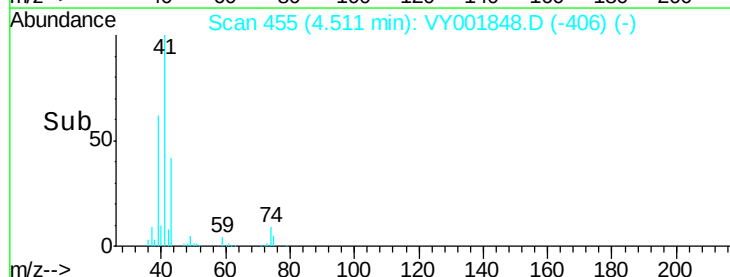
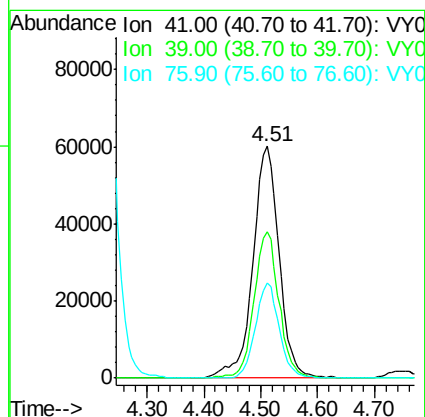
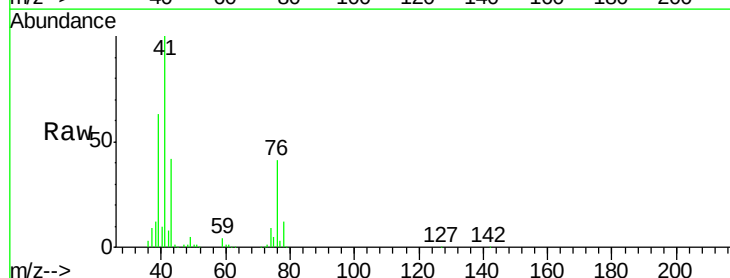
Tgt Ion: 41 Resp: 192126

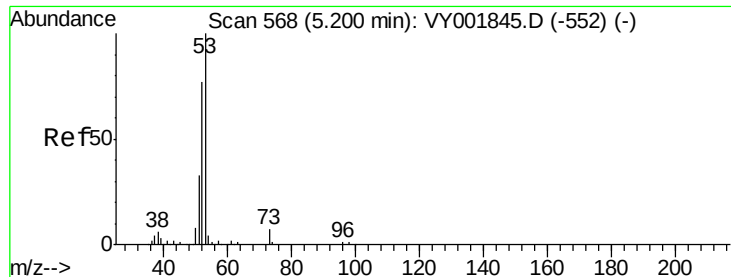
Ion Ratio Lower Upper

41 100

39 60.0 49.0 73.6

76 37.3 28.9 43.3





#15

Acrylonitrile

Concen: 254.797 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

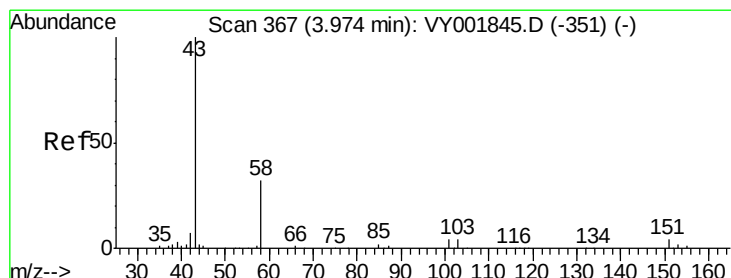
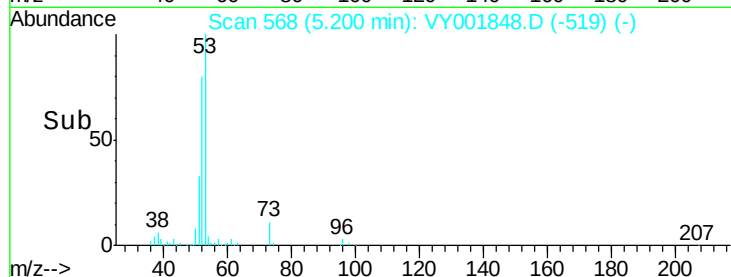
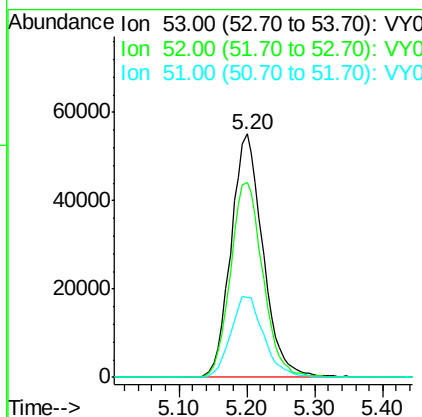
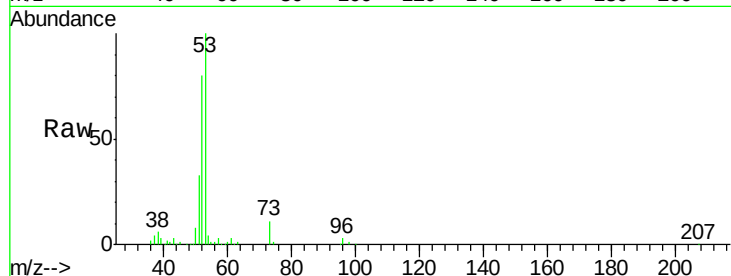
ClientSampleId :

ICVY030420

Tot Ion:	53	Resp:	179177
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.1	97.7
51	34.5	27.5	41.3

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#16

Acetone

Concen: 274.055 ug/l

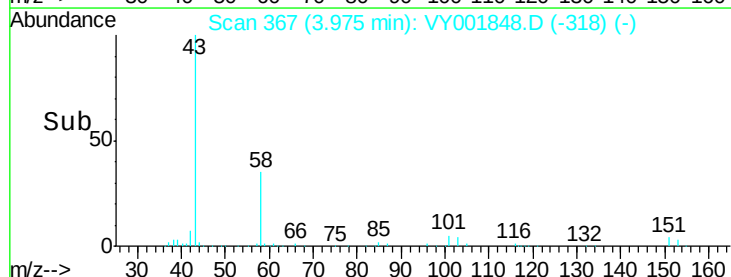
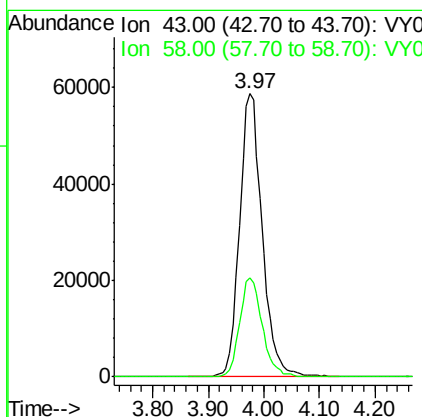
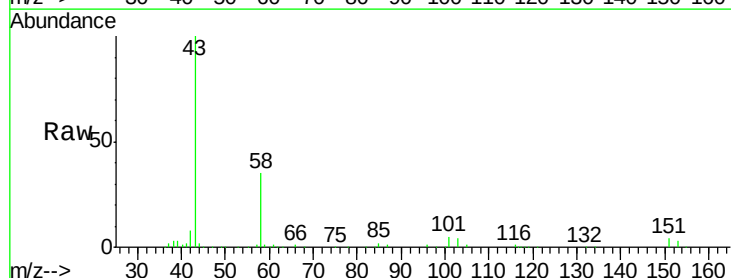
RT: 3.97 min Scan# 367

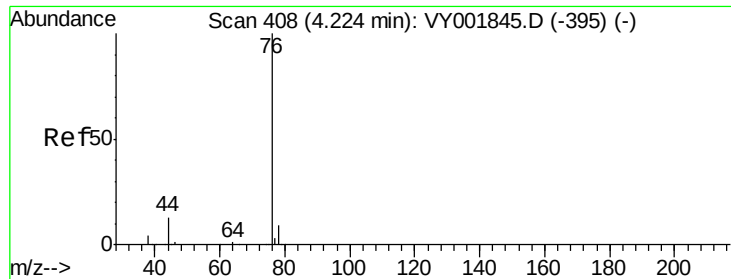
Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Tgt Ion:	43	Resp:	165733
Ion	Ratio	Lower	Upper
43	100		
58	35.2	25.9	38.9





#17

Carbon Disulfide

Concen: 50.762 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY030420

Tot Ion: 76 Resp: 368996

Ion Ratio Lower Upper

76 100

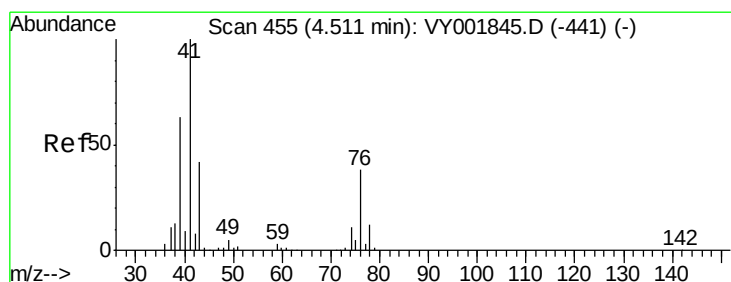
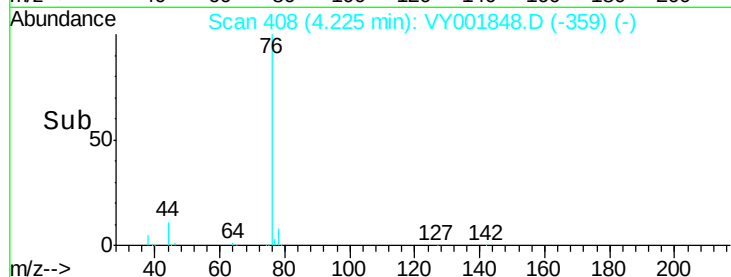
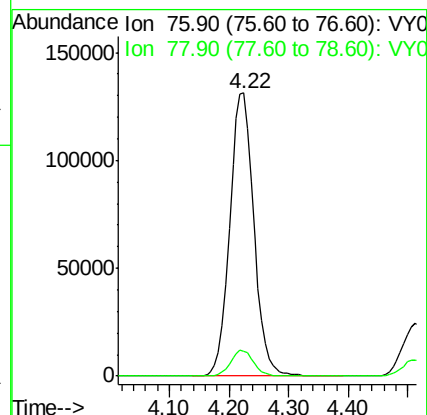
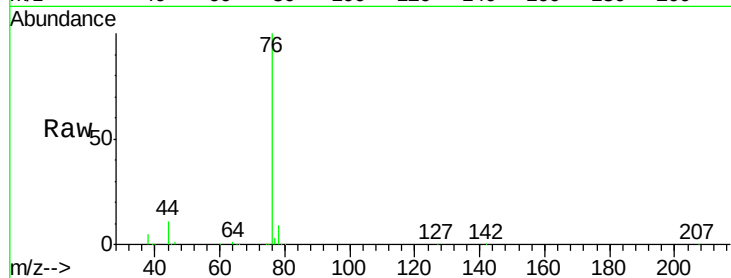
78 8.9 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 48.849 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001848.D

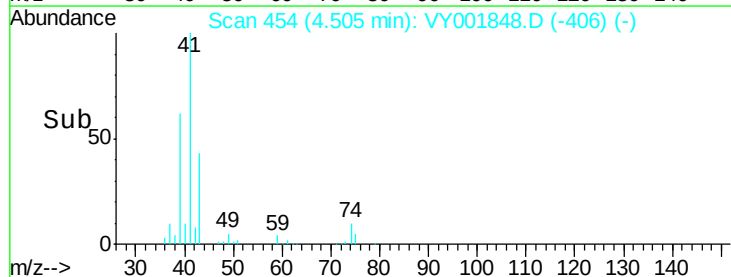
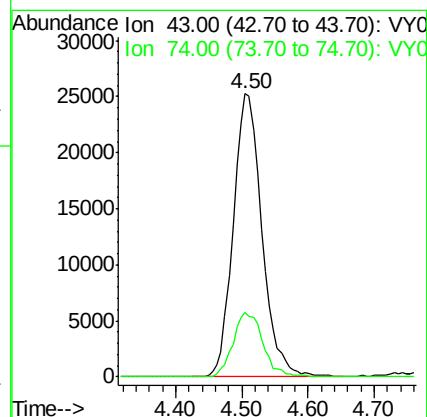
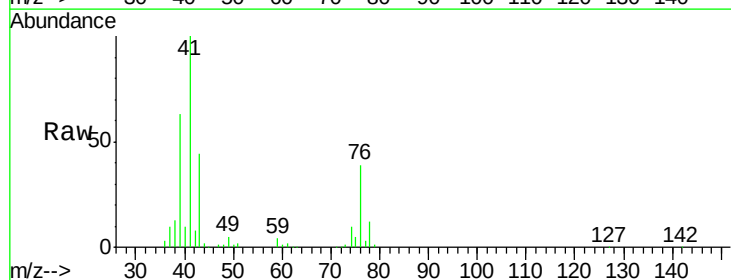
Acq: 04 Mar 2020 12:51

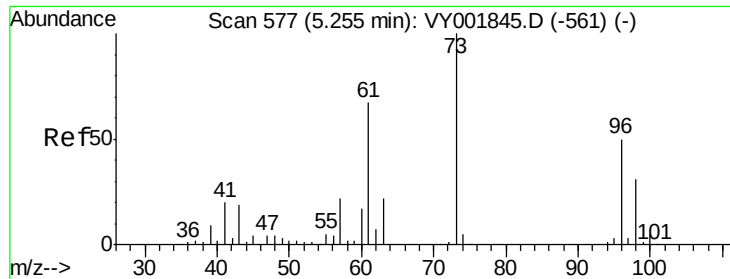
Tgt Ion: 43 Resp: 75903

Ion Ratio Lower Upper

43 100

74 23.6 19.0 28.6





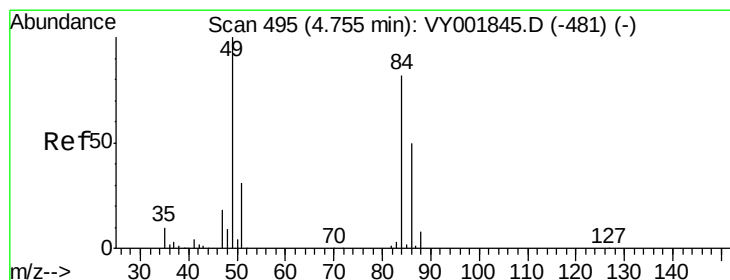
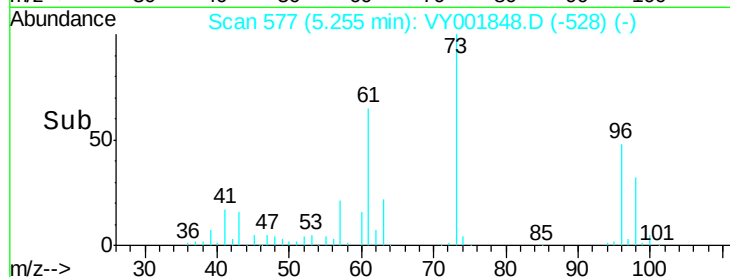
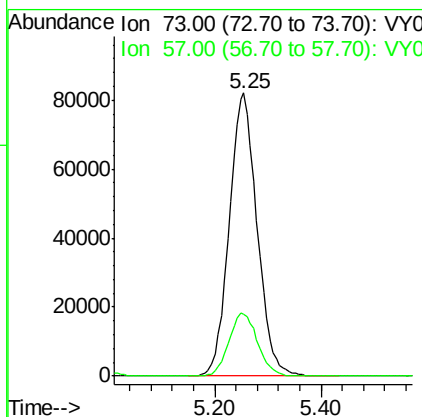
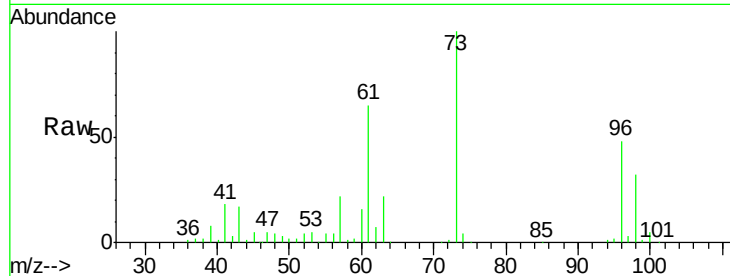
#19
Methyl tert-butyl Ether
Concen: 50.922 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion: 73 Resp: 298394
Ion Ratio Lower Upper
73 100
57 22.1 17.4 26.2

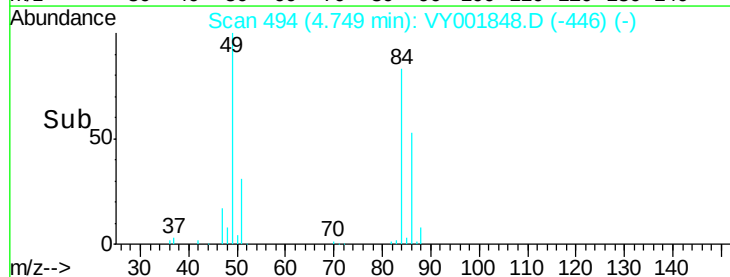
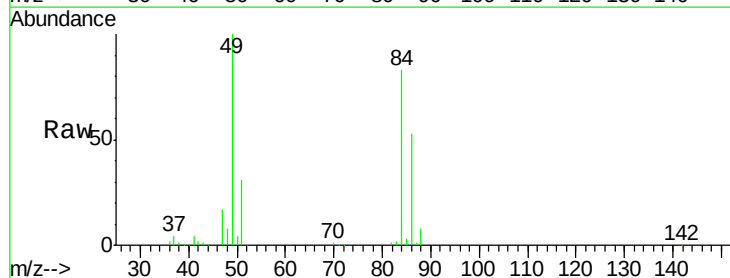
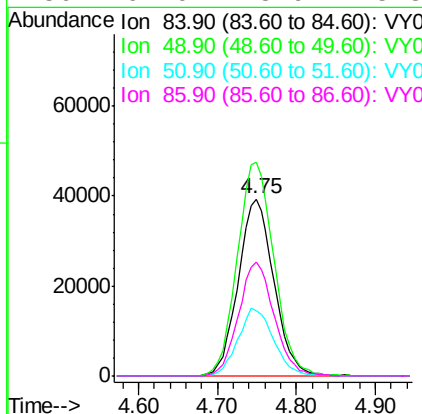
Manual Integrations
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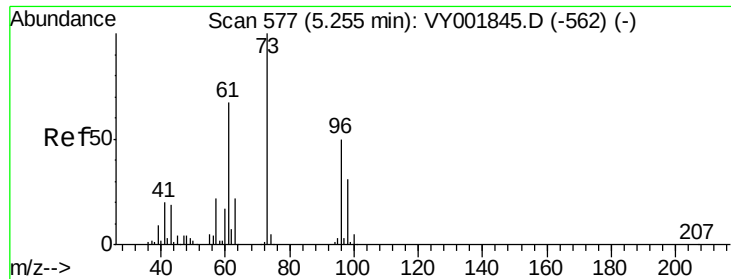
MMDadoda
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#20
Methylene Chloride
Concen: 47.749 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion: 84 Resp: 123756
Ion Ratio Lower Upper
84 100
49 120.5 98.2 147.2
51 37.2 30.2 45.2
86 64.0 48.9 73.3





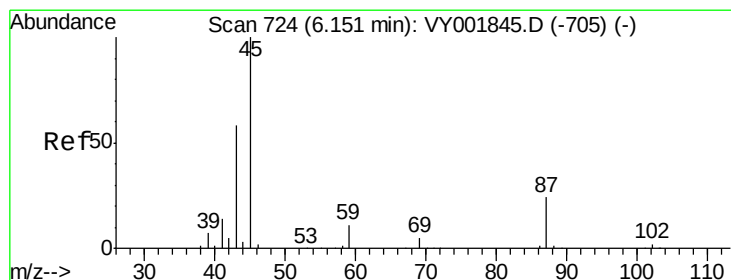
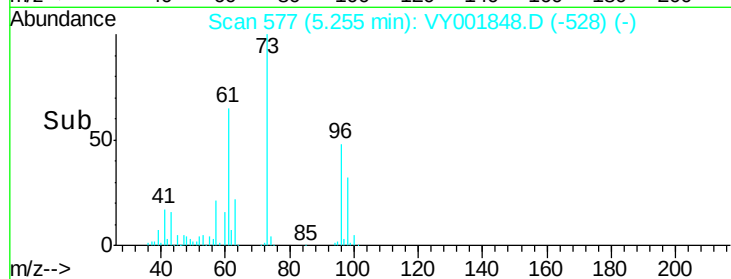
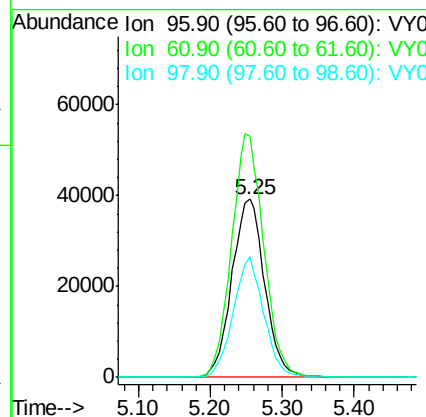
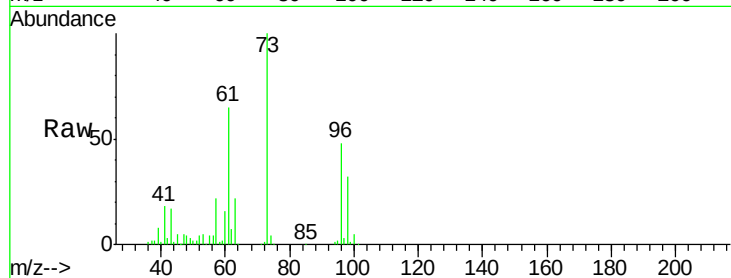
#21
trans-1,2-Dichloroethene
Concen: 50.364 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030420

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	107.7	161.5
98	67.9	49.3	73.9

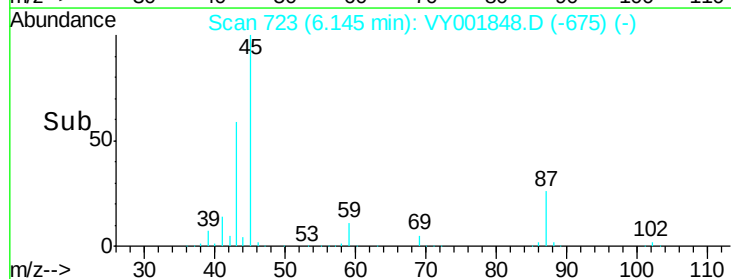
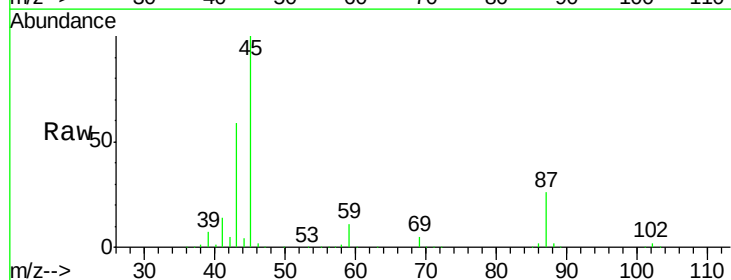
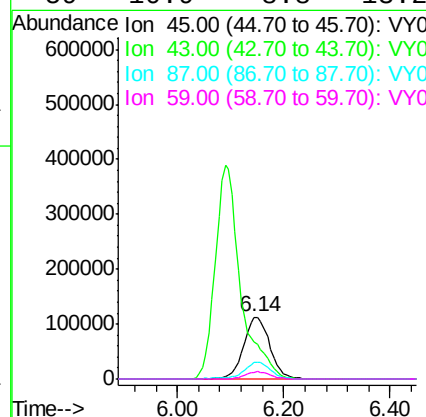
Manual Integrations
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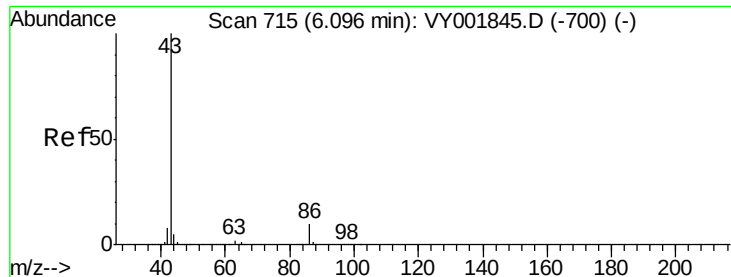
MMDadoda
3/5/2020 1:37:16 PM



#22
Diisopropyl ether
Concen: 48.645 ug/l
RT: 6.14 min Scan# 723
Delta R.T. -0.01 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	47.2	70.8
87	26.2	19.8	29.8
59	10.9	8.8	13.2





#23

Vinyl Acetate

Concen: 249.779 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Tot Ion: 43 Resp: 1286709

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8

Instrument :

MSVOA_Y

ClientSampleId :

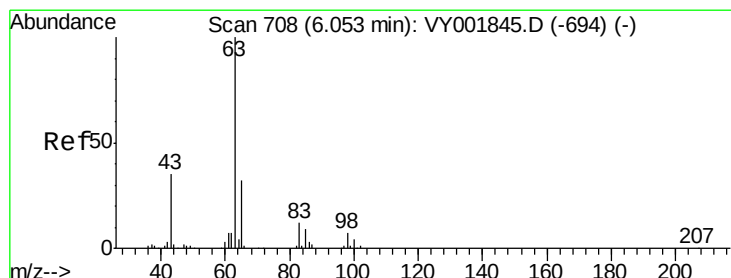
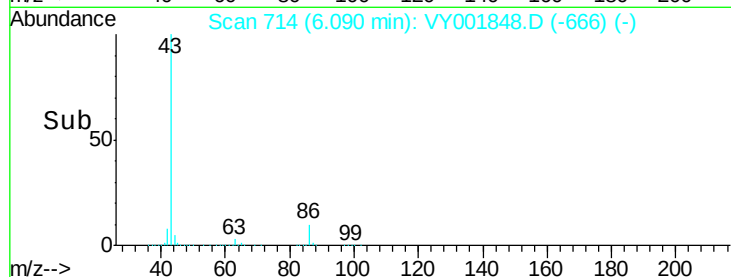
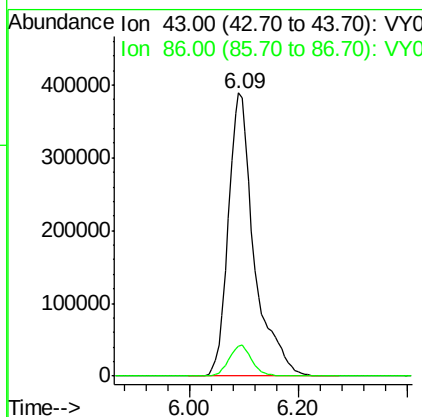
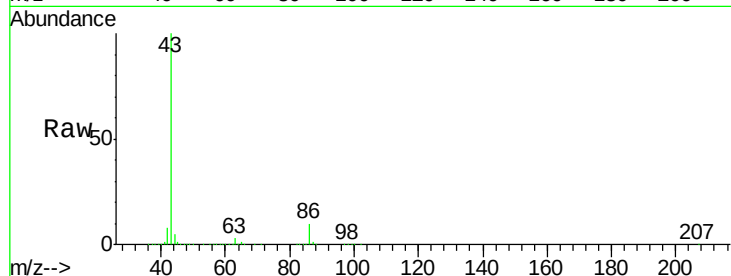
ICVY030420

Manual Integrations

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3/5/2020 1:37:16 PM



#24

1,1-Dichloroethane

Concen: 49.451 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

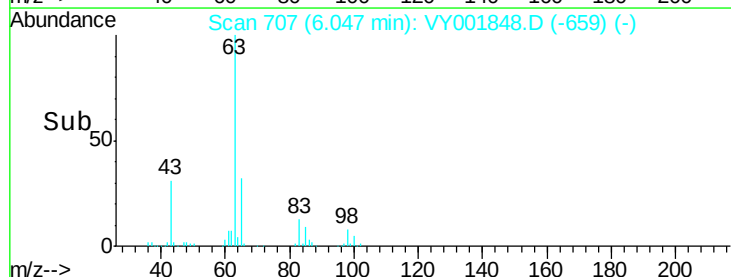
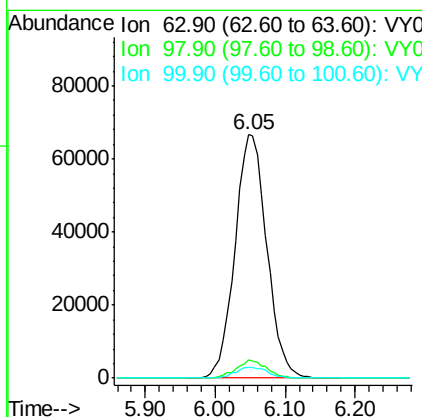
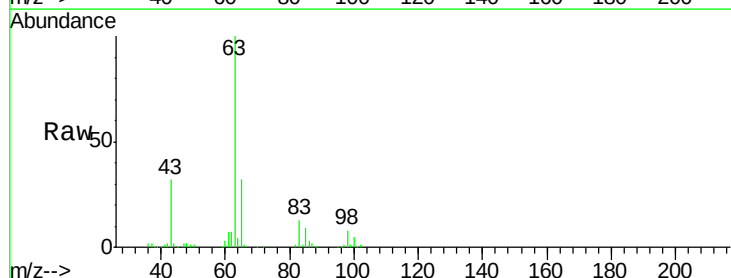
Tgt Ion: 63 Resp: 210430

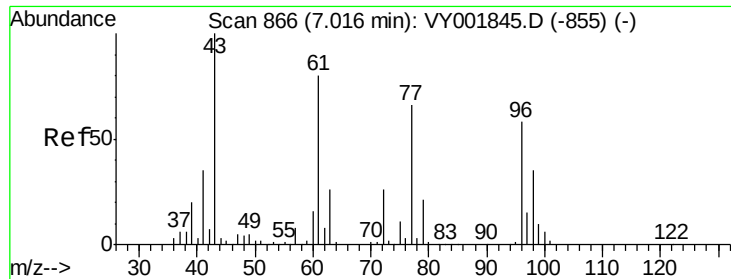
Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 262.936 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

ICVY030420

Tot Ion: 43 Resp: 241809

Ion Ratio Lower Upper

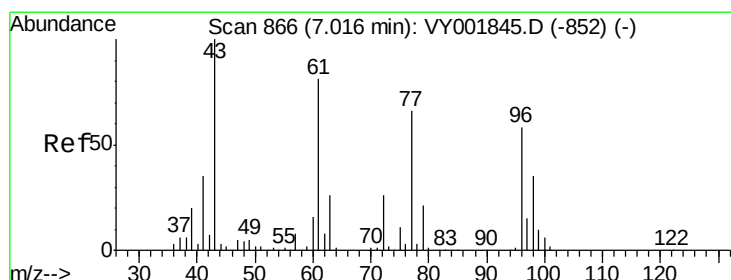
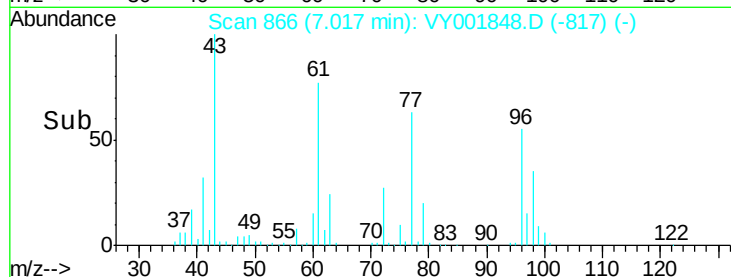
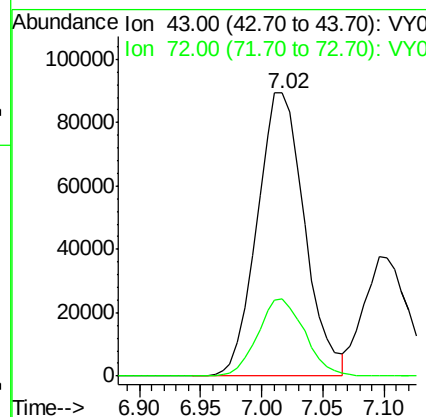
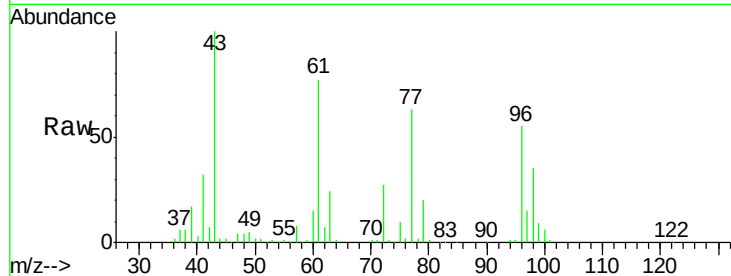
43 100

72 27.1 20.9 31.3

Manual Integrations
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3/5/2020 1:37:16 PM



#26

2,2-Dichloropropane

Concen: 50.379 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001848.D

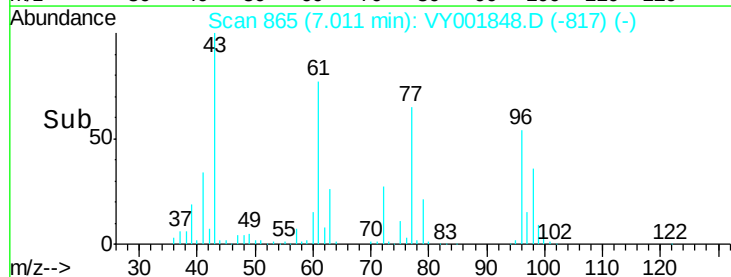
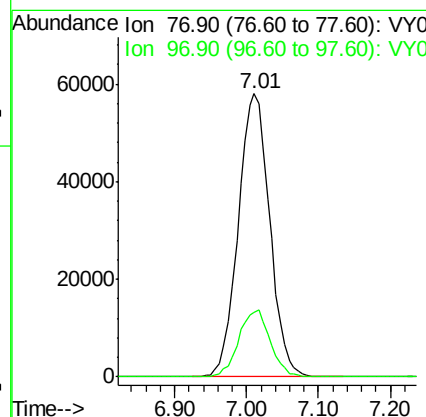
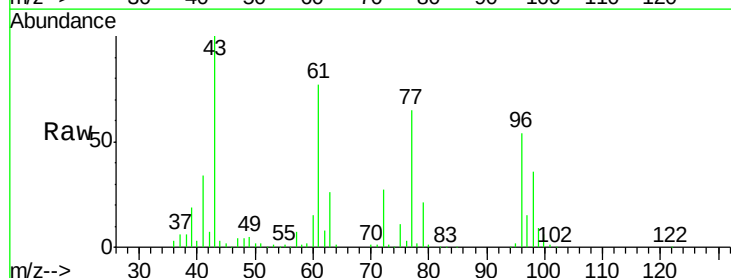
Acq: 04 Mar 2020 12:51

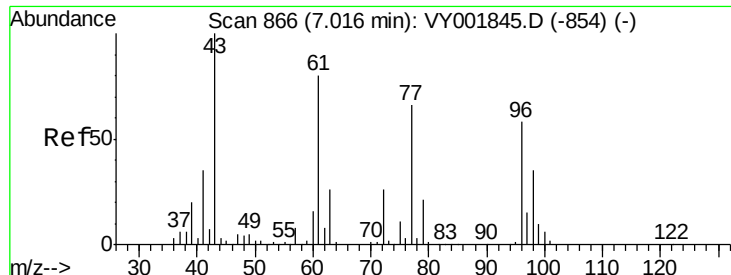
Tgt Ion: 77 Resp: 175956

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.7





#27

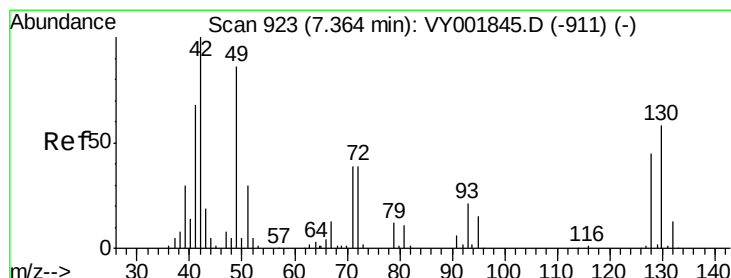
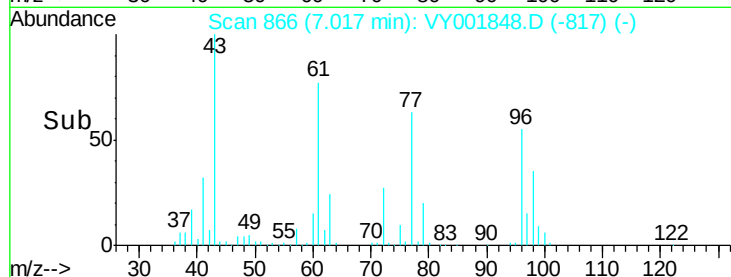
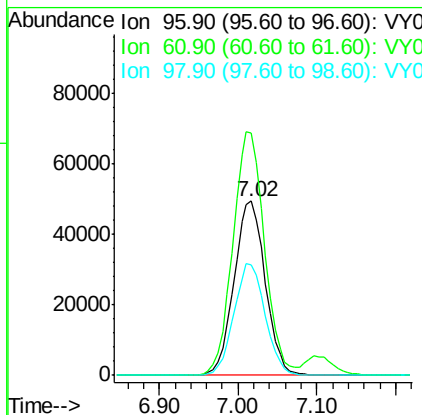
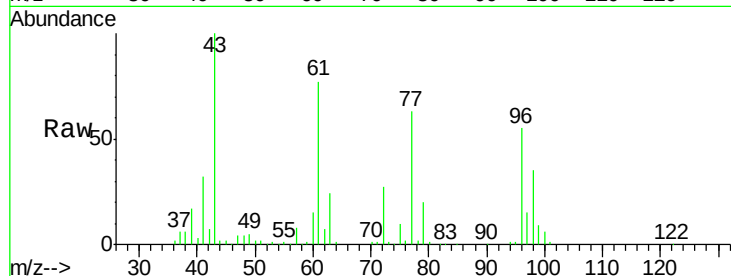
cis-1,2-Dichloroethene
Concen: 50.810 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	288.2
98	64.0	0.0	129.0

Manual Integrations
APPROVED

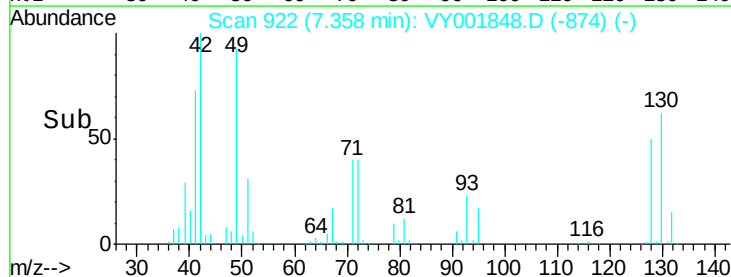
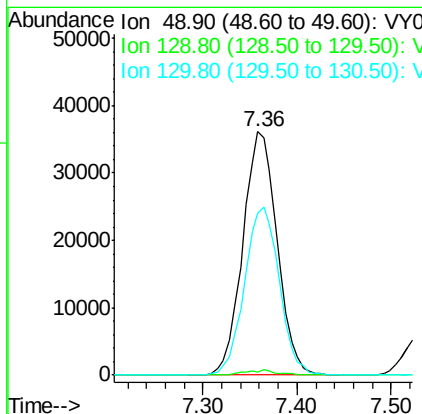
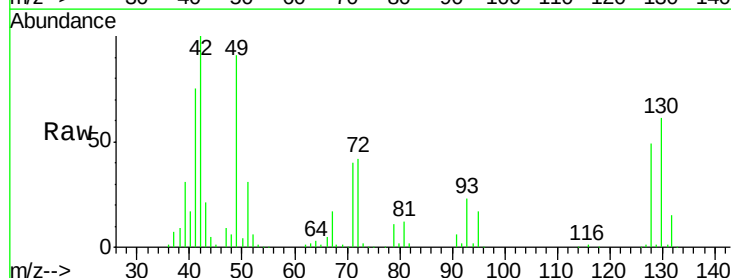
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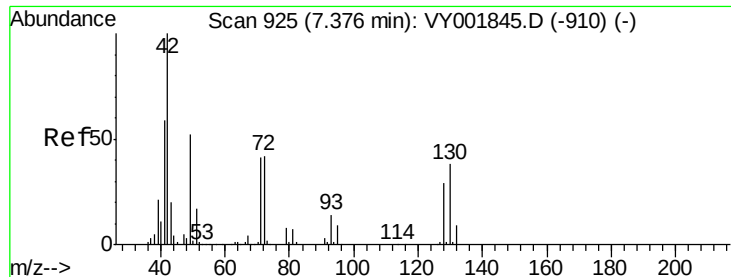


#28

Bromochloromethane
Concen: 47.718 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	70.1	54.4	81.6





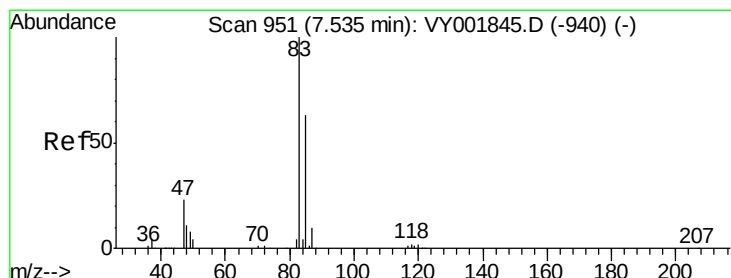
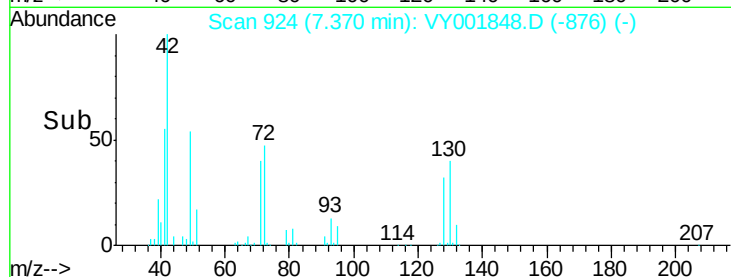
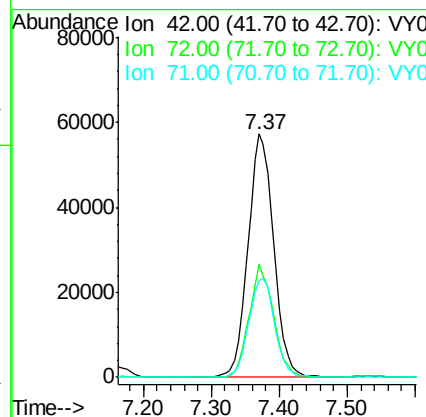
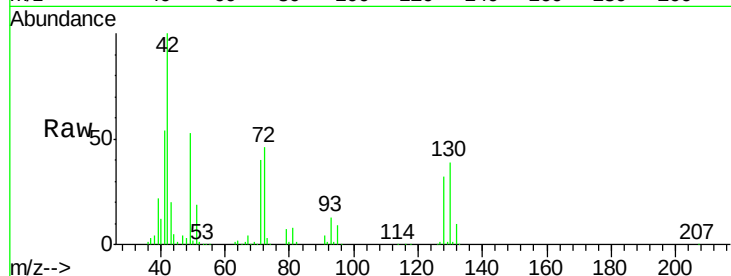
#29
Tetrahydrofuran
Concen: 245.927 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	33.5	50.3
71	40.9	31.3	46.9

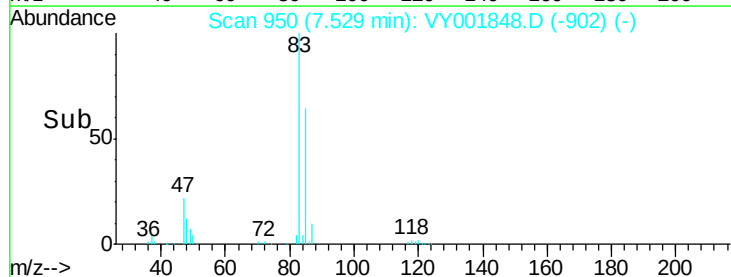
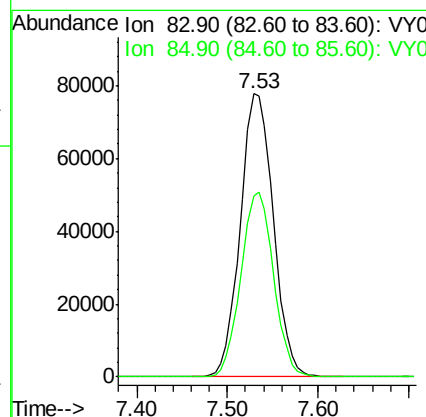
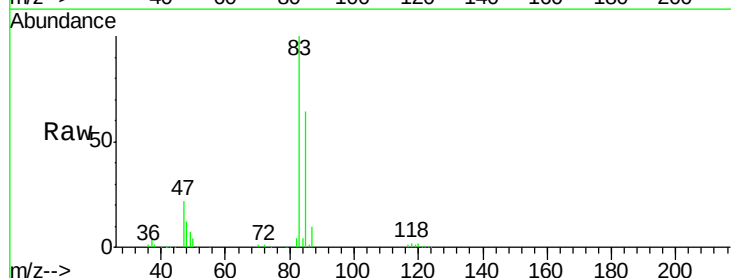
Manual Integrations
APPROVED

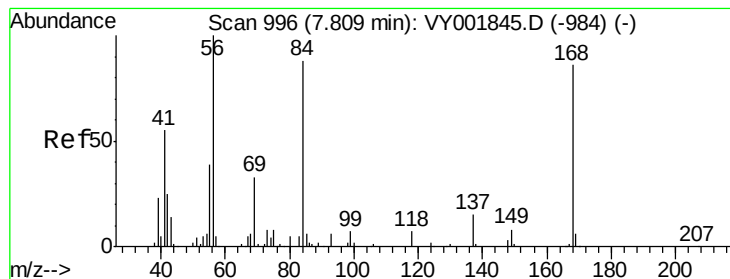
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#30
Chloroform
Concen: 49.136 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.7	76.1





#31

Cyclohexane

Concen: 47.488 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

ICVY030420

Tot Ion: 56 Resp: 216669

Ion Ratio Lower Upper

56 100

69 32.4 26.7 40.1

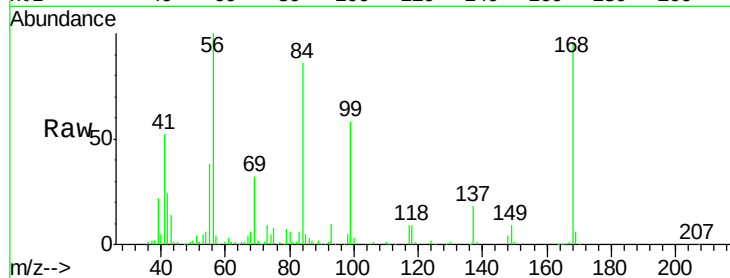
84 84.4 70.4 105.6

Manual Integrations

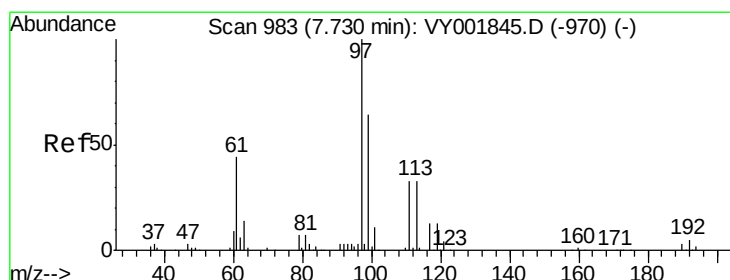
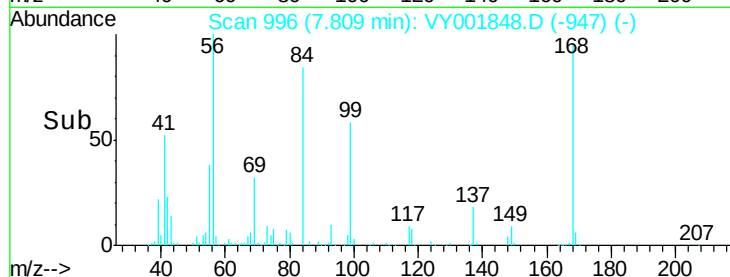
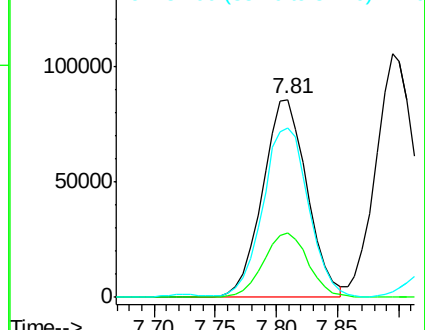
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 50.754 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

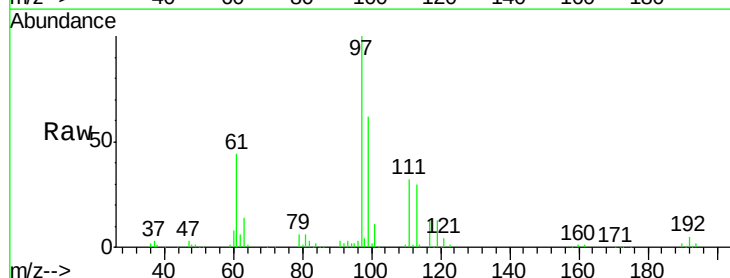
Tgt Ion: 97 Resp: 171024

Ion Ratio Lower Upper

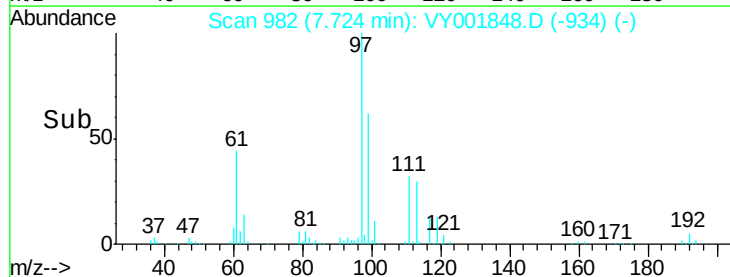
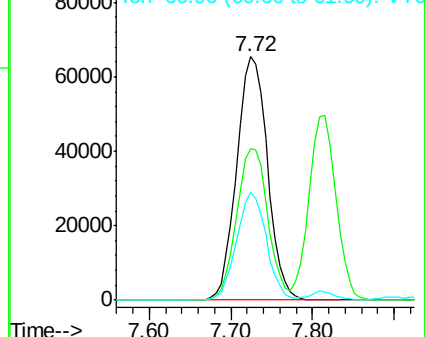
97 100

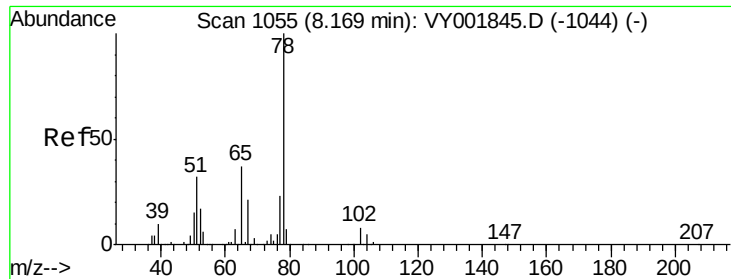
99 63.2 52.0 78.0

61 42.8 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





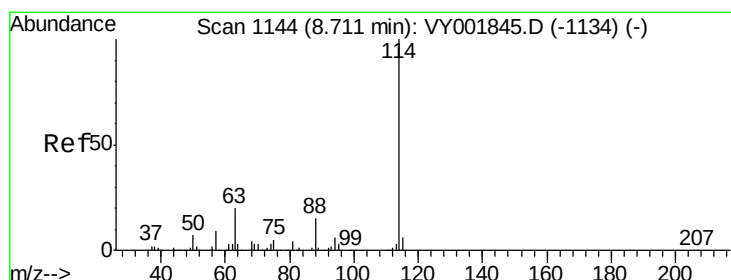
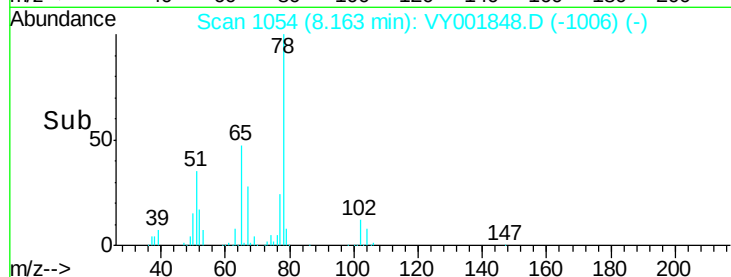
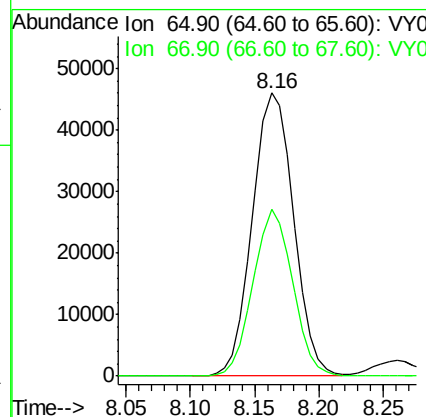
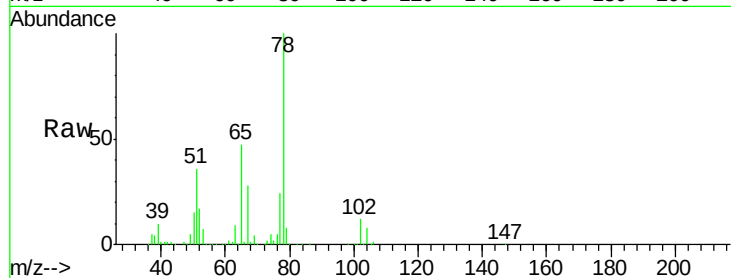
#33
 1,2-Dichloroethane-d4
 Concen: 49.348 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY030420

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.4	0.0	110.8	

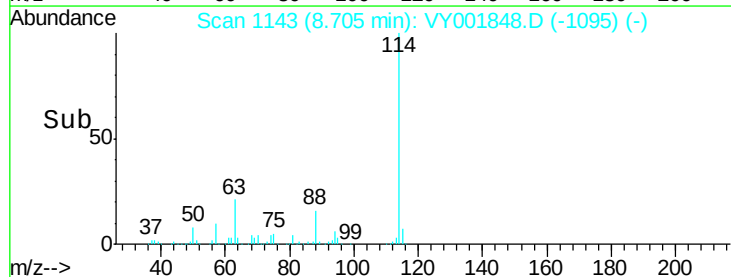
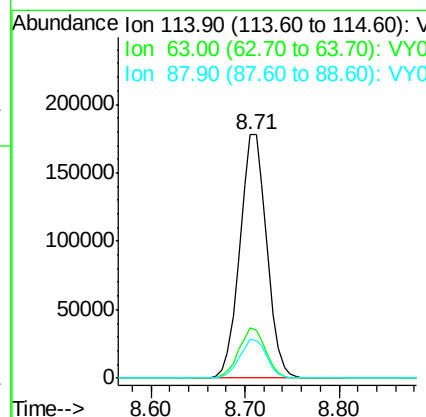
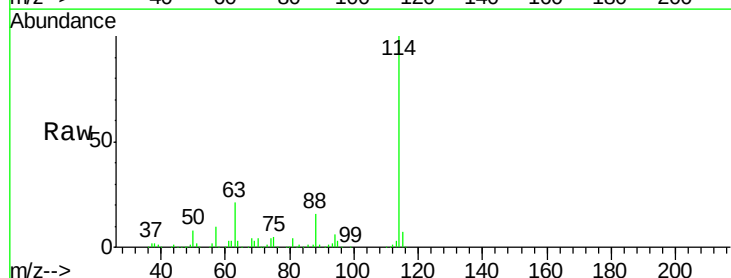
Manual Integrations
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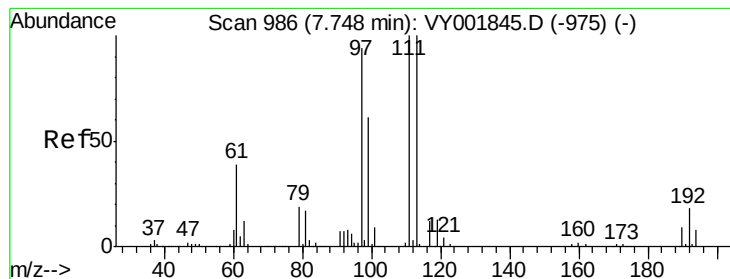
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 3/5/2020 1:37:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.7	0.0	39.4	
88	15.8	0.0	30.4	





#35

Dibromofluoromethane

Concen: 50.439 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

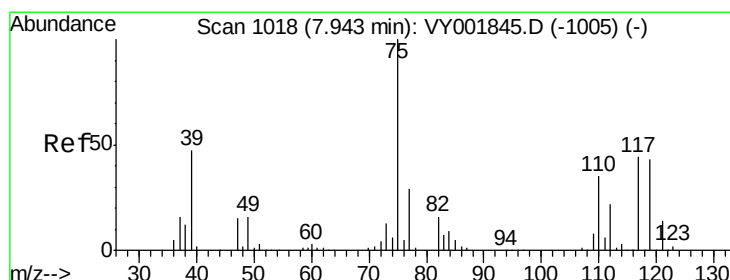
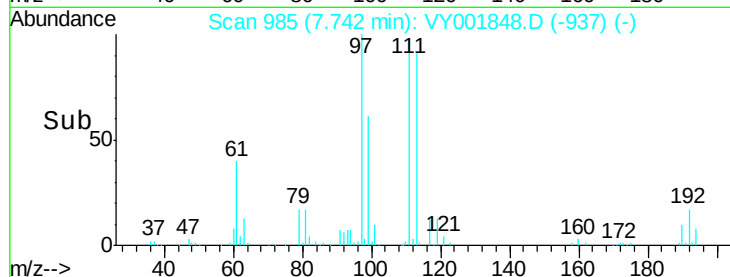
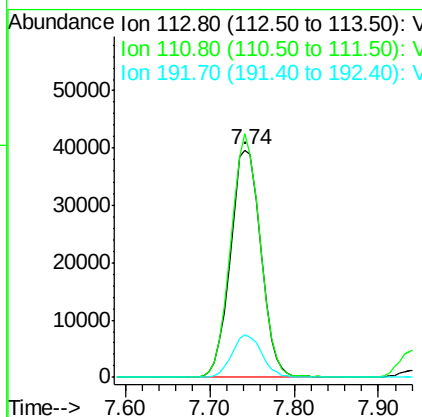
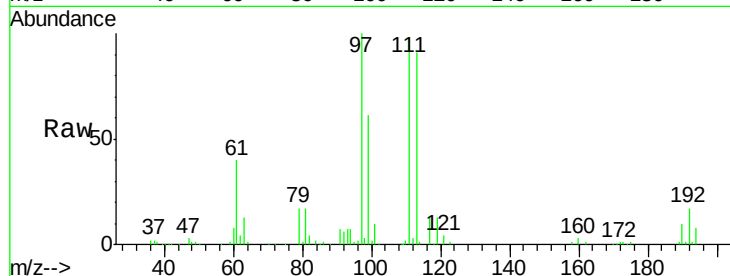
ClientSampleId :

ICVY030420

Tot Ion:	113	Resp:	97267
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	18.1	14.2	21.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.407 ug/l

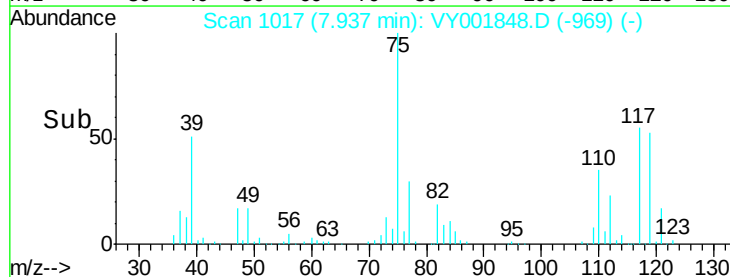
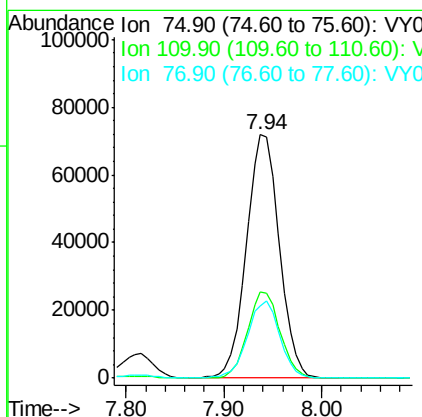
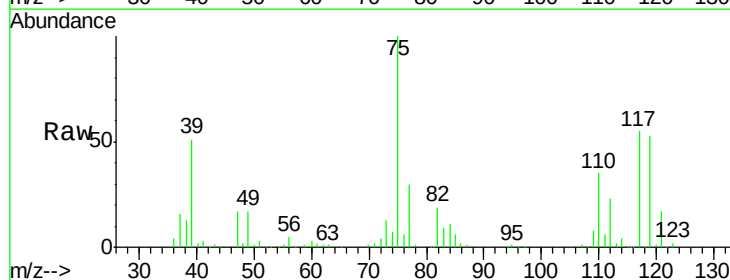
RT: 7.94 min Scan# 1017

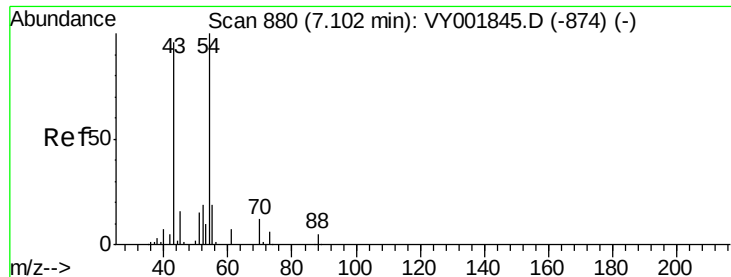
Delta R.T. -0.01 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Tgt Ion:	75	Resp:	167909
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	31.2	24.2	36.2





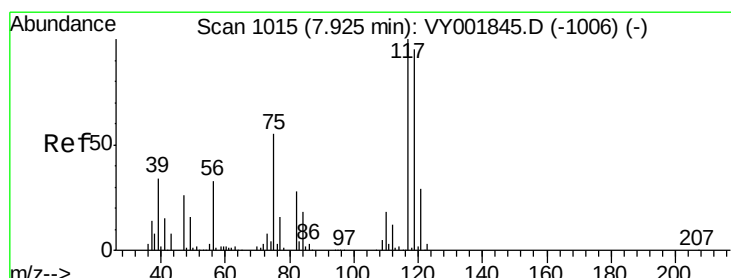
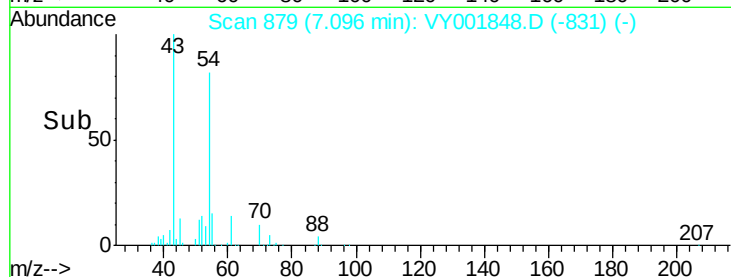
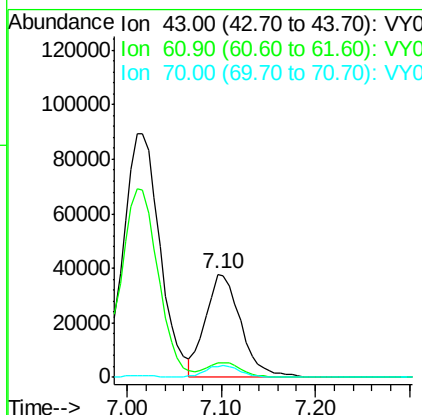
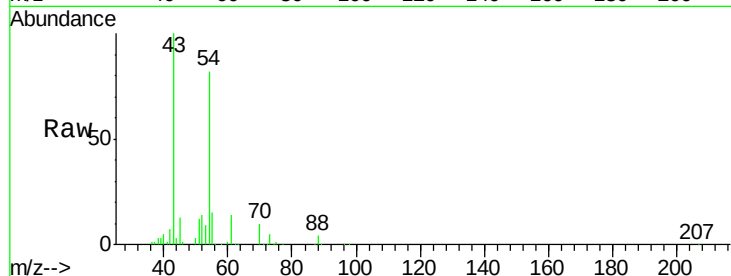
#37
Ethyl Acetate
Concen: 49.689 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY030420

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	11.4	8.2	12.4

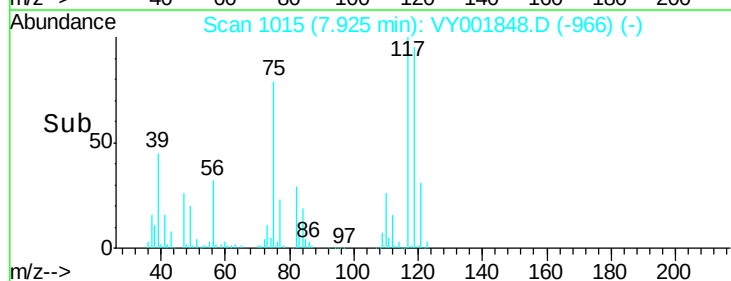
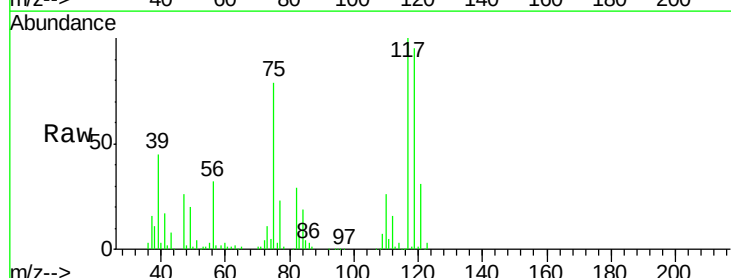
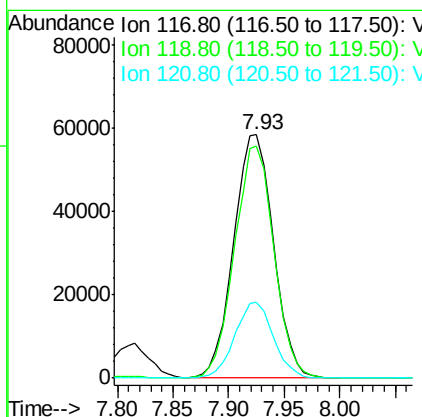
Manual Integrations
APPROVED

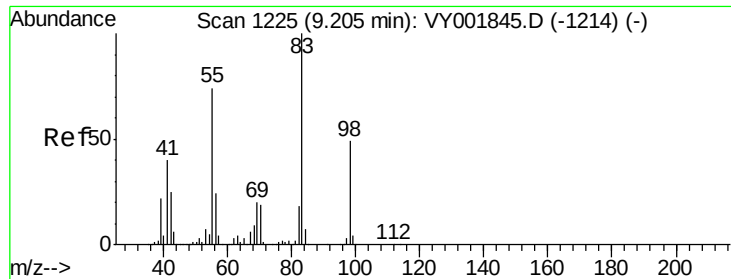
MMDadoda
3/5/2020 1:37:16 PM



#38
Carbon Tetrachloride
Concen: 50.060 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.3	114.5
121	31.1	23.5	35.3





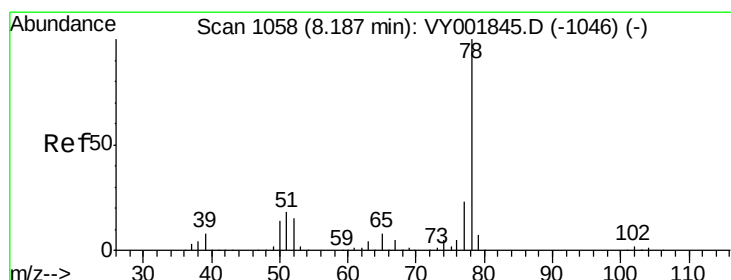
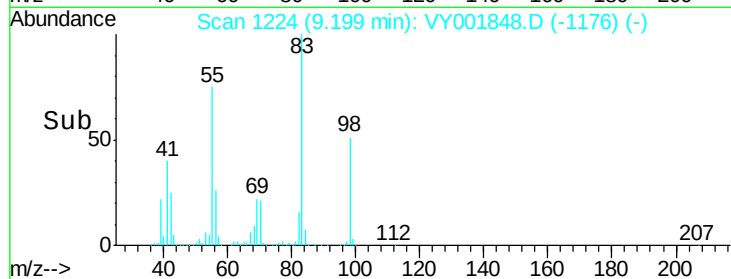
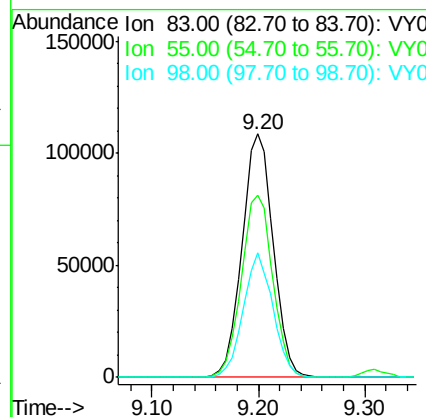
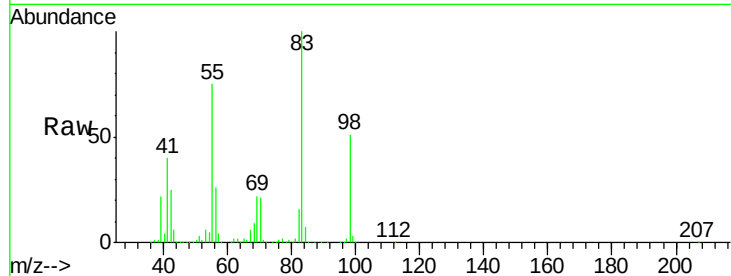
#39
Methylvlcyclohexane
Concen: 49.514 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion	Ratio	Resp	Lower	Upper
83	100	223184		
55	75.0		59.4	89.0
98	51.2		38.9	58.3

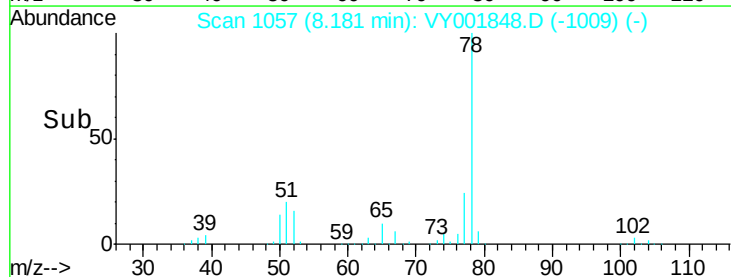
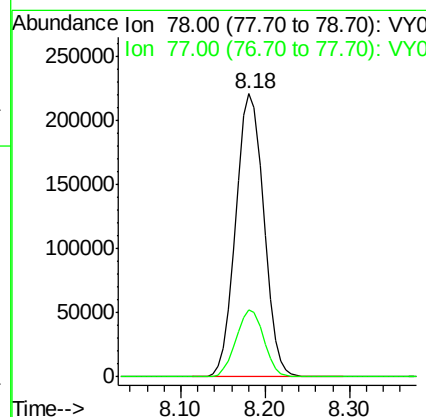
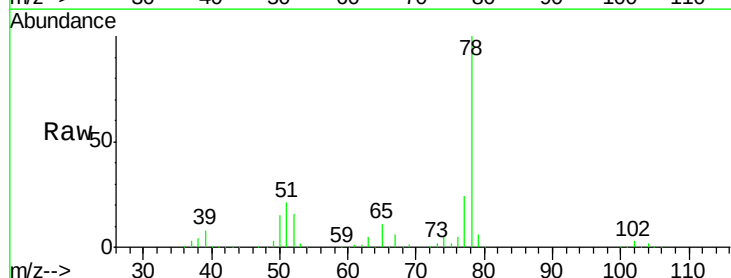
Manual Integrations
APPROVED

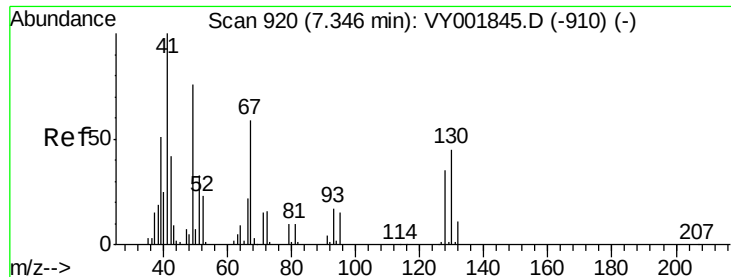
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#40
Benzene
Concen: 49.396 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	497577		
77	23.8		18.7	28.1





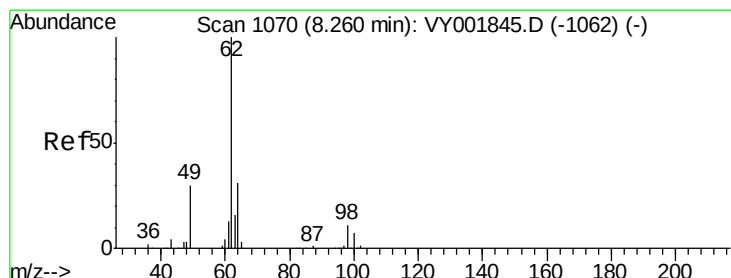
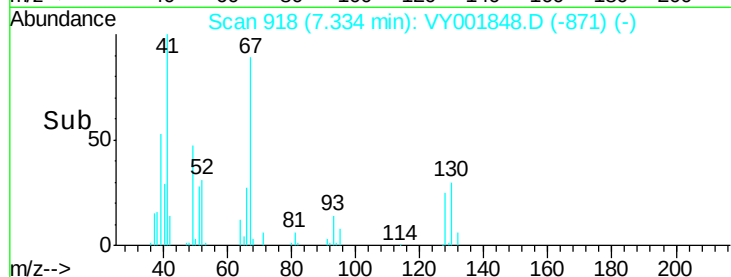
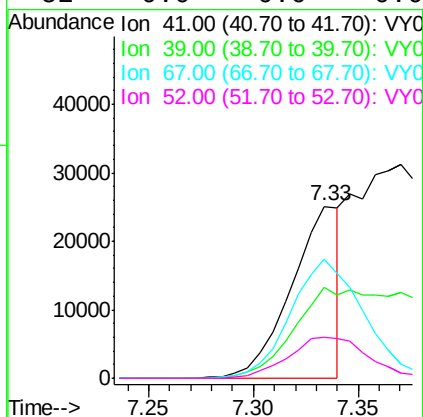
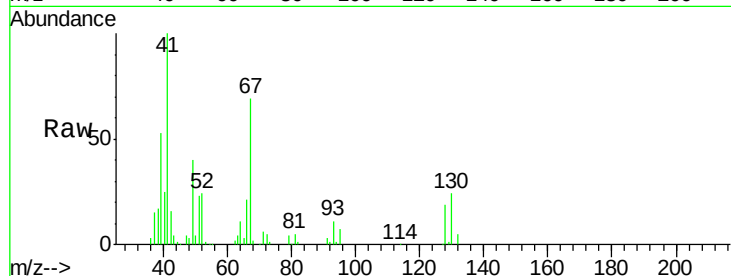
#41
Methacrylonitrile
Concen: 46.017 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion	41	Resp	40905
Ion Ratio	100	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

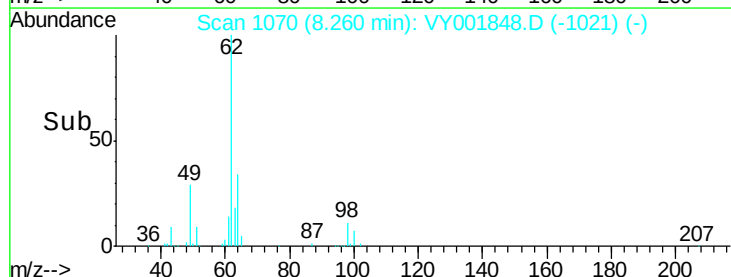
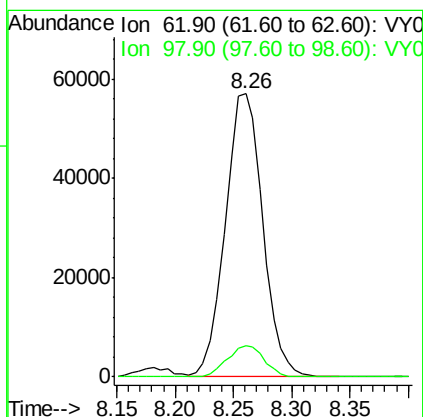
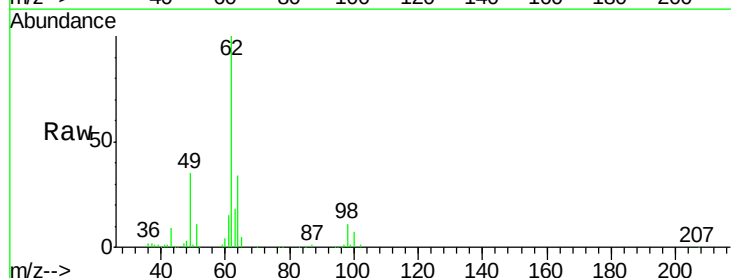
Manual Integrations
APPROVED

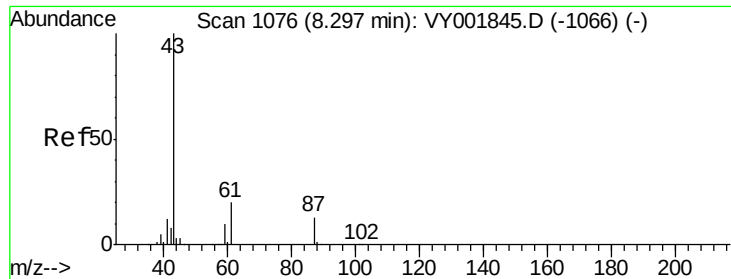
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3/5/2020 1:37:16 PM



#42
1,2-Dichloroethane
Concen: 49.169 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	62	Resp	127626
Ion Ratio	100	Lower	Upper
62	100		
98	11.0	0.0	21.4





#43

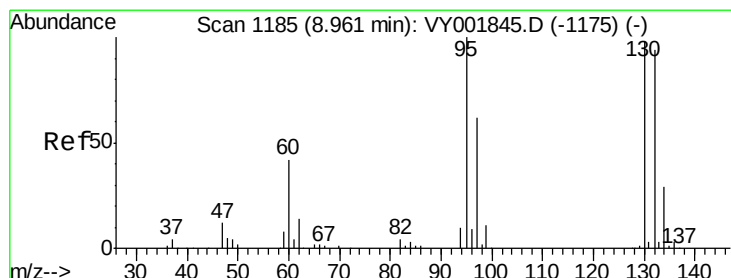
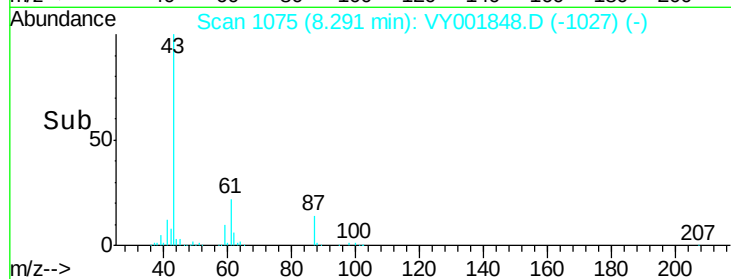
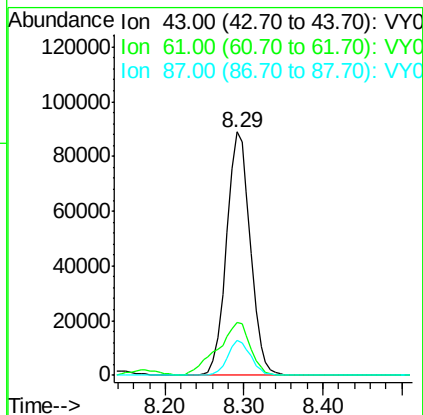
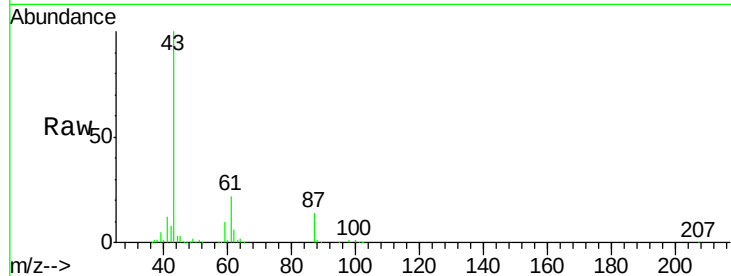
Isopropyl Acetate
 Concen: 49.803 ug/l
 RT: 8.29 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY030420

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.8	35.6
87	13.8	10.9	16.3

Manual Integrations
 APPROVED

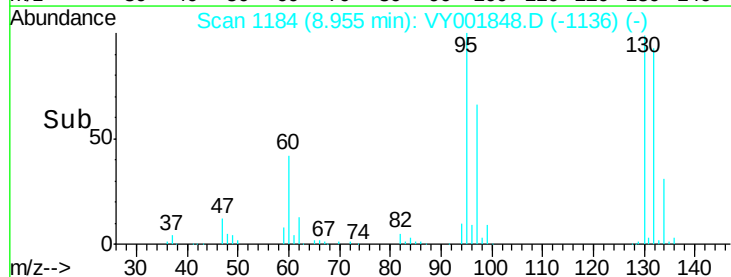
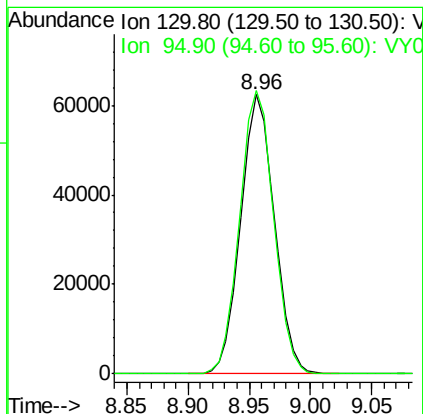
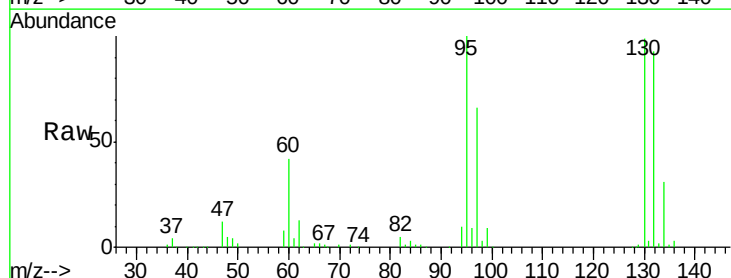
MMDadoda
 3/5/2020 1:37:16 PM

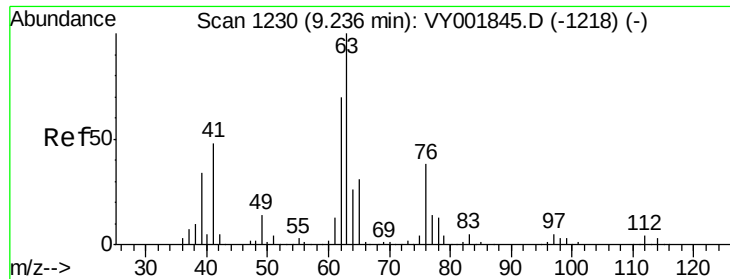


#44

Trichloroethene
 Concen: 48.748 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	204.6





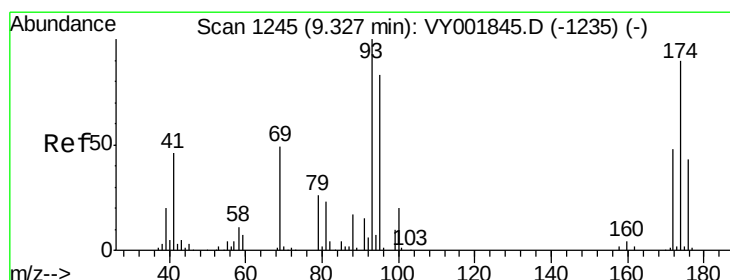
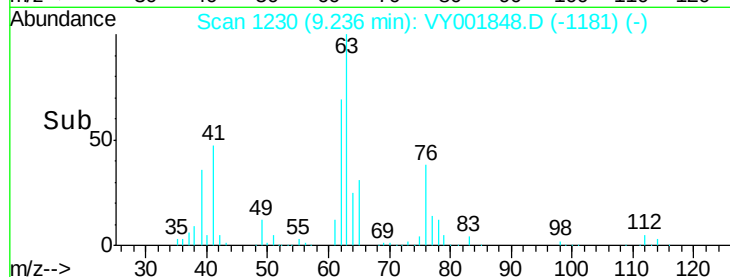
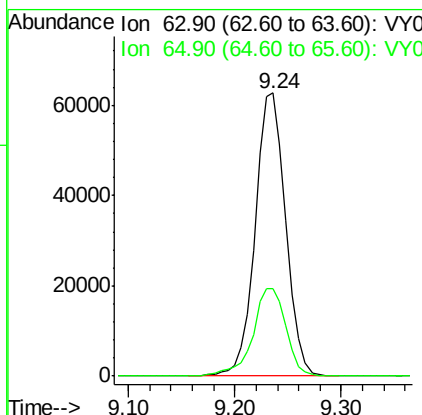
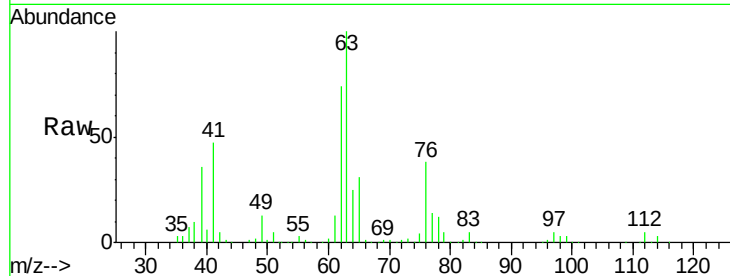
#45
 1,2-Dichloropropane
 Concen: 49.577 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY030420

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3

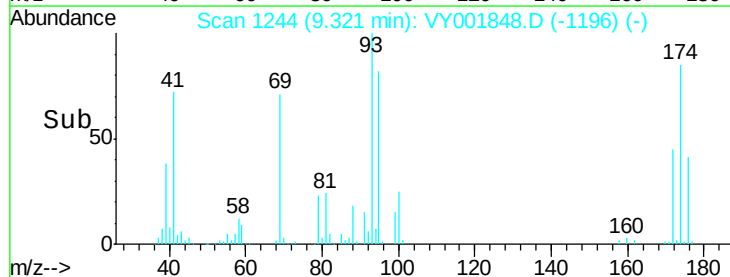
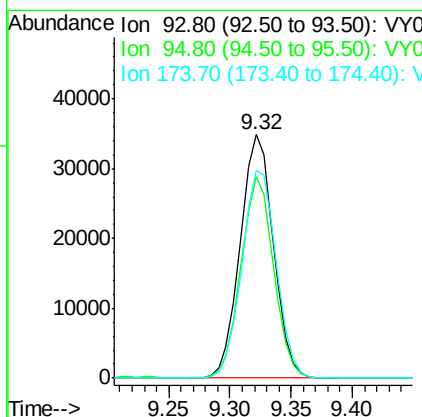
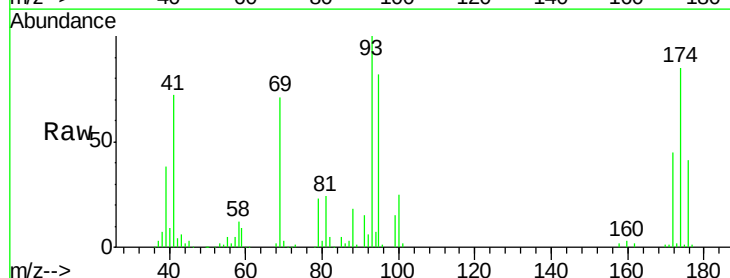
Manual Integrations
 APPROVED

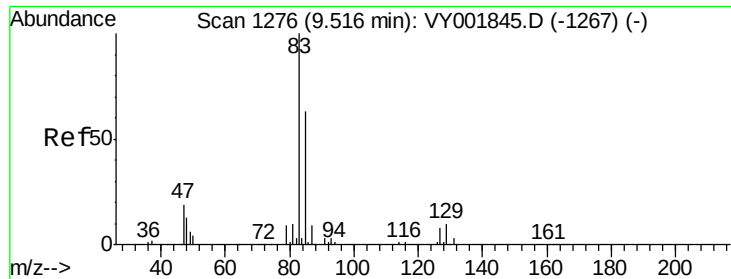
MMDadoda
 3/5/2020 1:37:16 PM



#46
 Dibromomethane
 Concen: 50.441 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	67.0	100.4
174	88.1	71.8	107.8





#47

Bromodichloromethane

Concen: 50.412 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

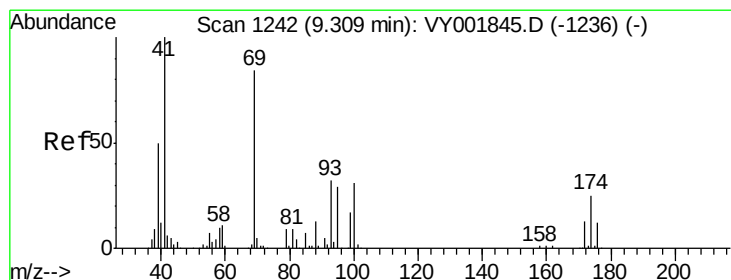
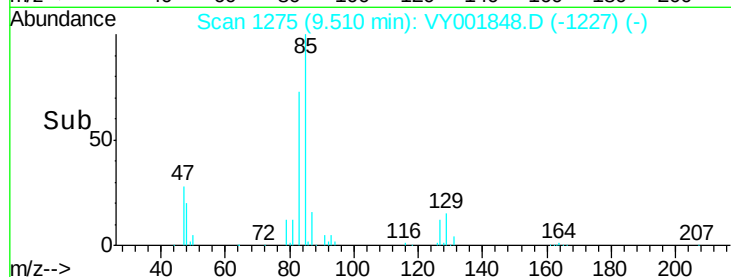
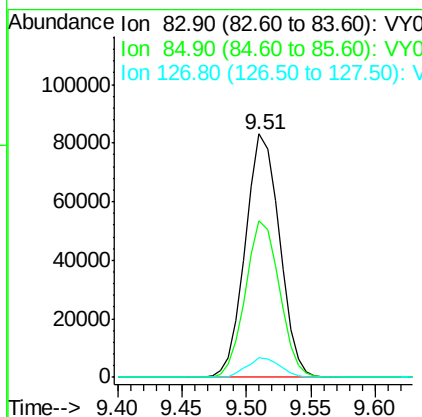
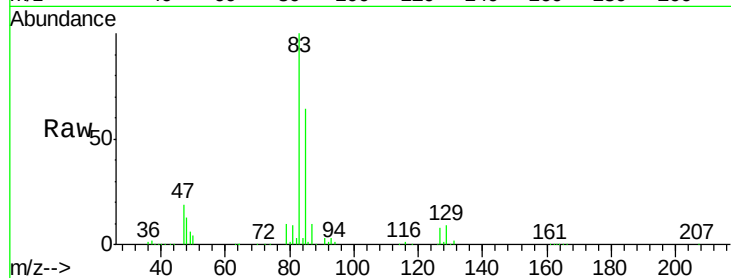
ClientSampleId :

ICVY030420

Tot Ion:	83	Resp:	153024
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0
127	7.8	6.2	9.4

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:16 PM



#48

Methyl methacrylate

Concen: 52.094 ug/l

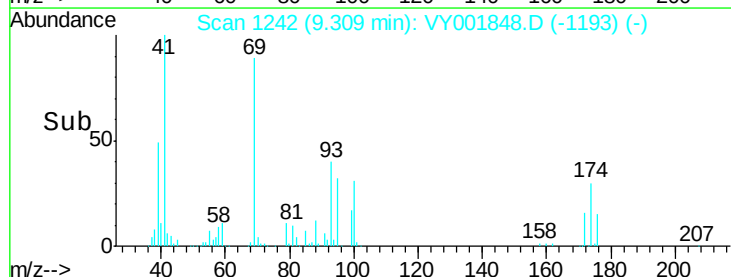
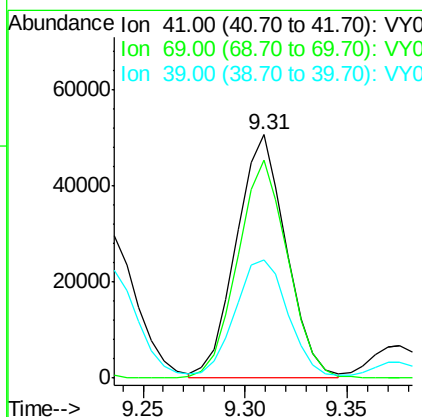
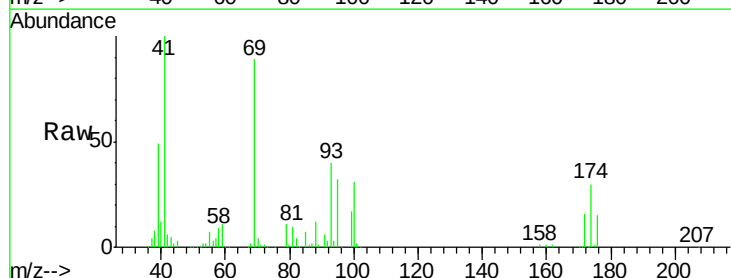
RT: 9.31 min Scan# 1242

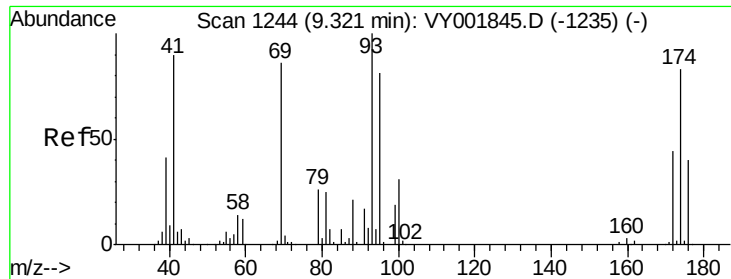
Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Tgt Ion:	41	Resp:	86444
Ion	Ratio	Lower	Upper
41	100		
69	89.6	69.0	103.6
39	49.8	39.1	58.7





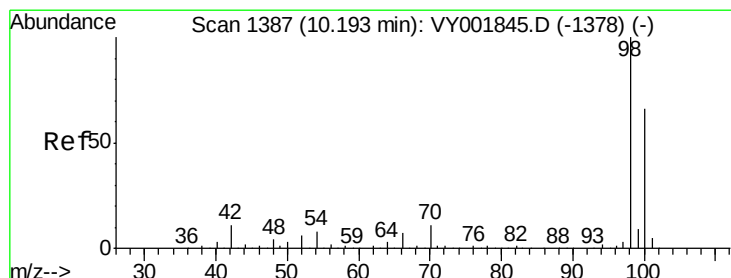
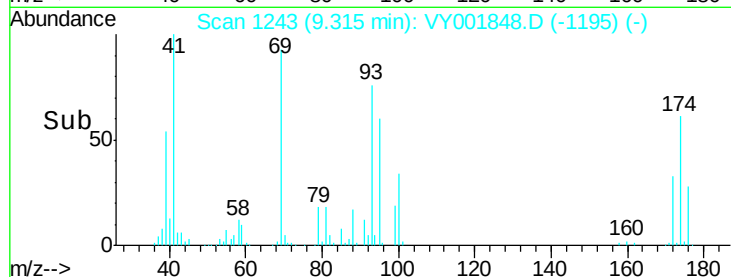
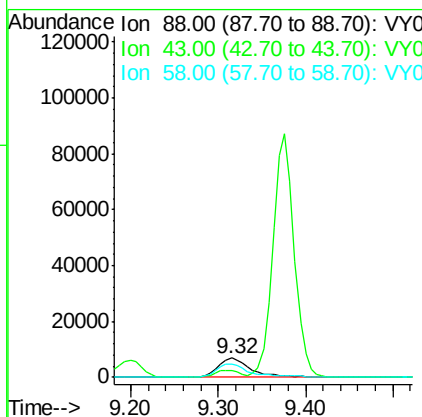
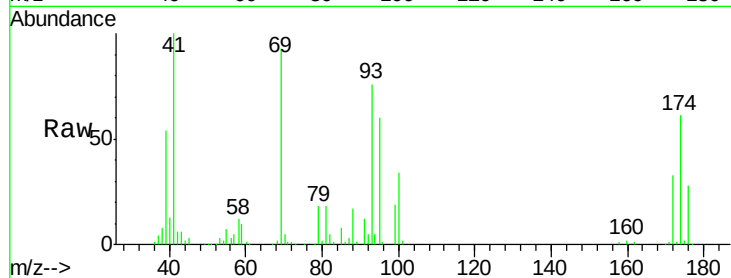
#49
1,4-Dioxane
Concen: 1015.801 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	25.0	37.6
58	65.3	58.9	88.3

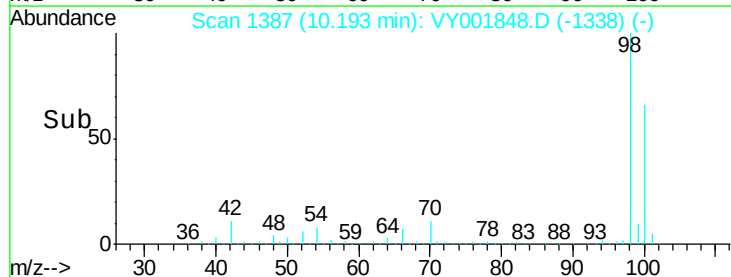
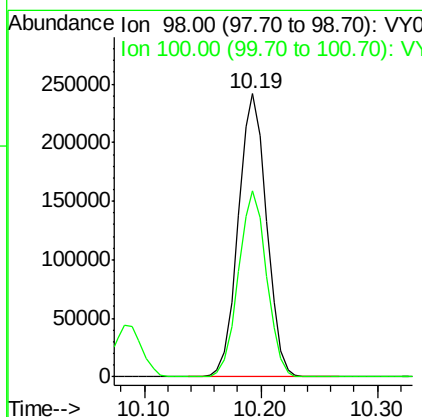
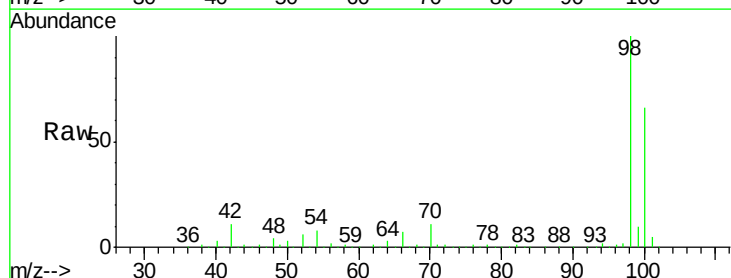
Manual Integrations
APPROVED

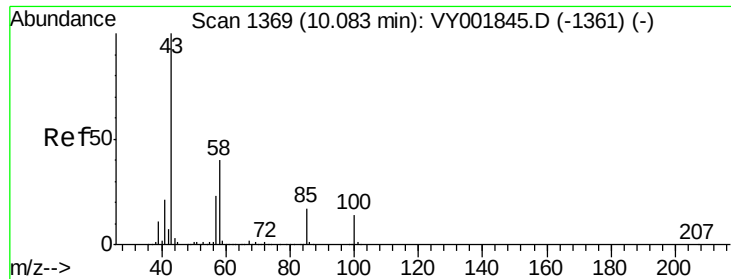
MMDadoda
3/5/2020 1:37:16 PM



#50
Toluene-d8
Concen: 50.325 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 253.119 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

ICVY030420

Tot Ion: 43 Resp: 487551

Ion Ratio Lower Upper

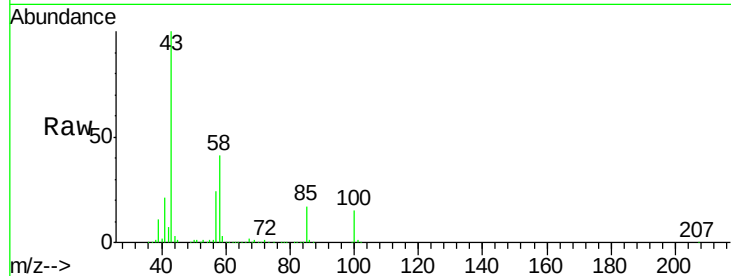
43 100

58 40.9 32.0 48.0

Manual Integrations
APPROVED

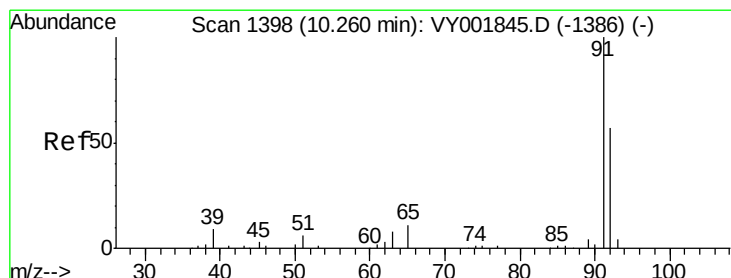
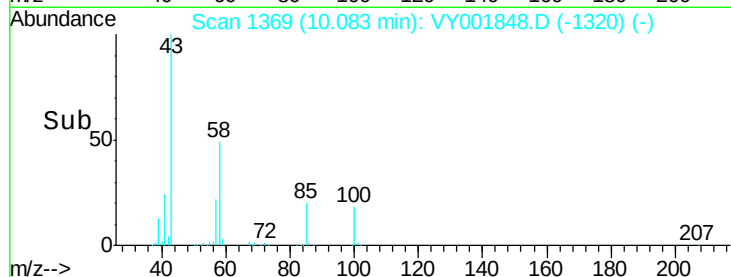
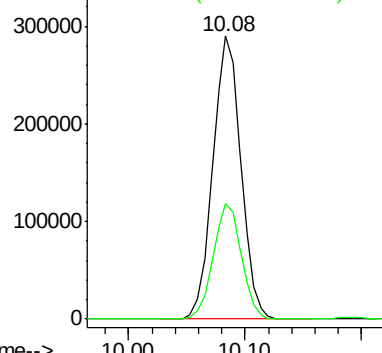
MMDadoda

3/5/2020 1:37:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 49.409 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001848.D

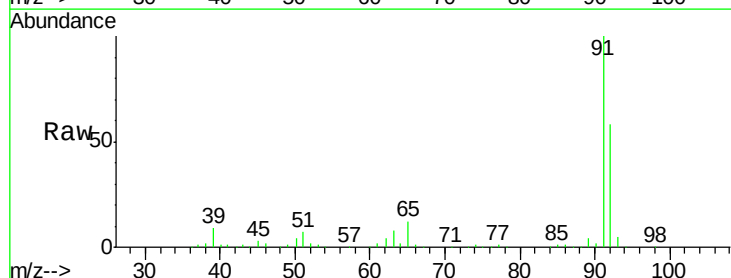
Acq: 04 Mar 2020 12:51

Tgt Ion: 92 Resp: 302347

Ion Ratio Lower Upper

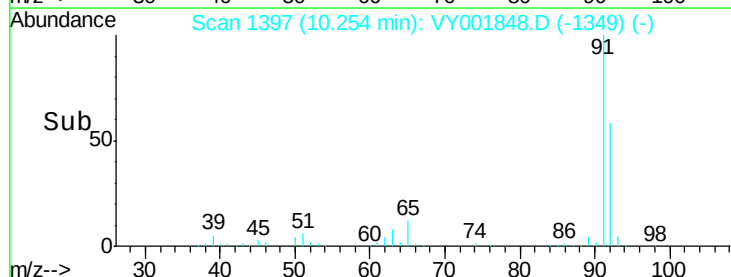
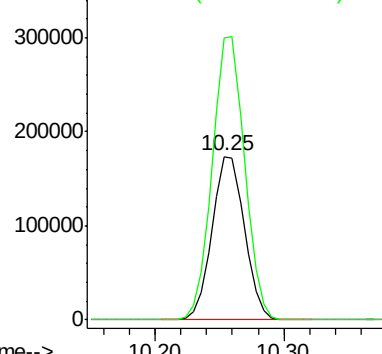
92 100

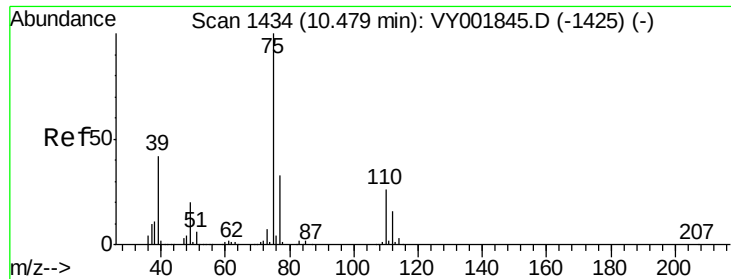
91 173.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





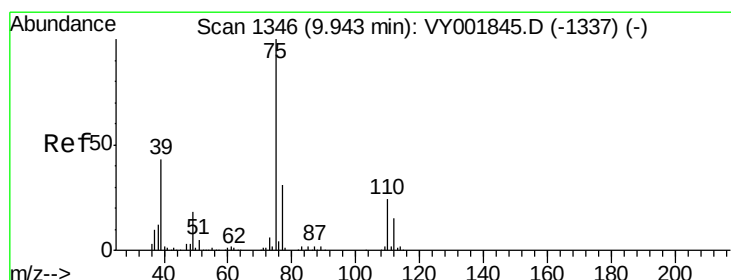
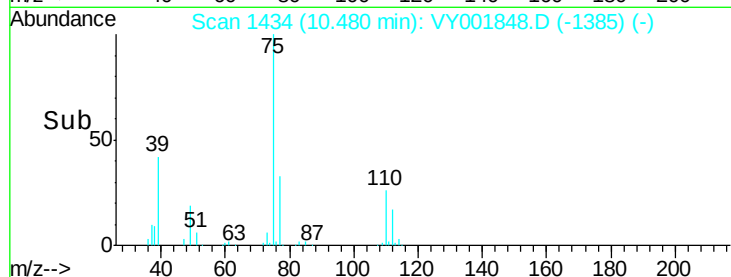
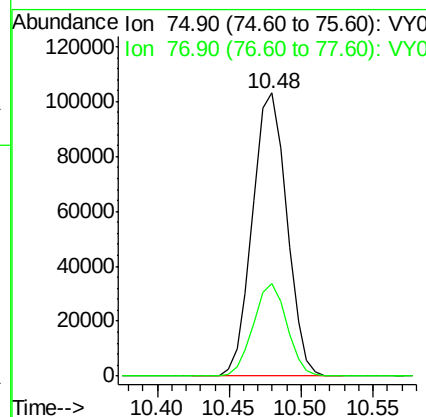
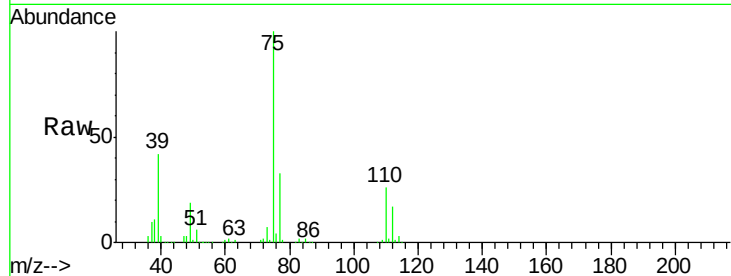
#53
 t-1,3-Dichloropropene
 Concen: 51.477 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY030420

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.3	39.5

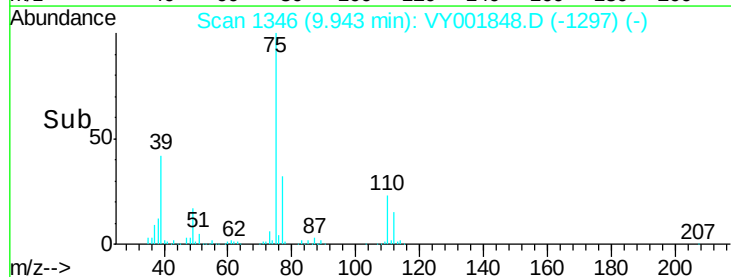
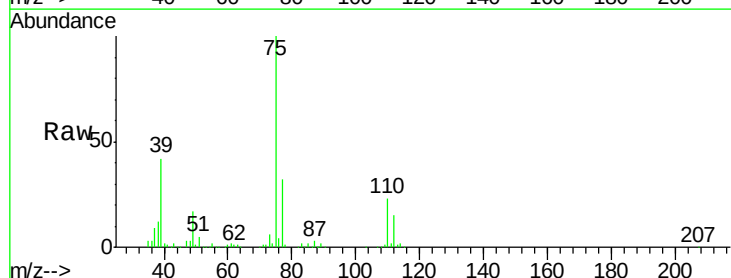
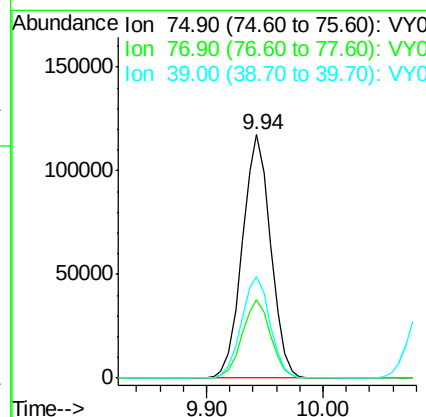
Manual Integrations
 APPROVED

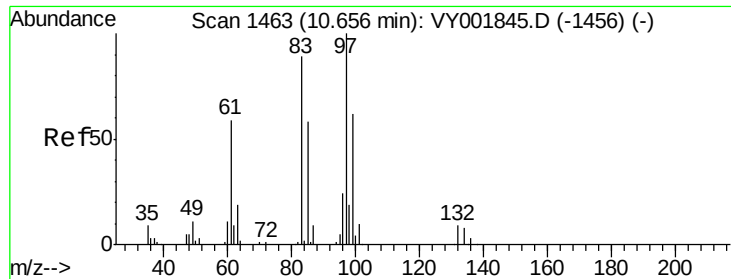
MMDadoda
 3/5/2020 1:37:16 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.615 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.1	37.7
39	41.9	34.7	52.1





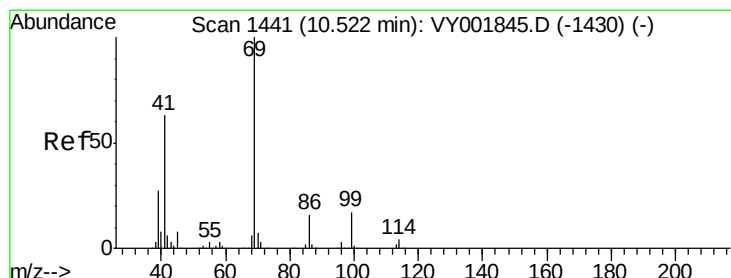
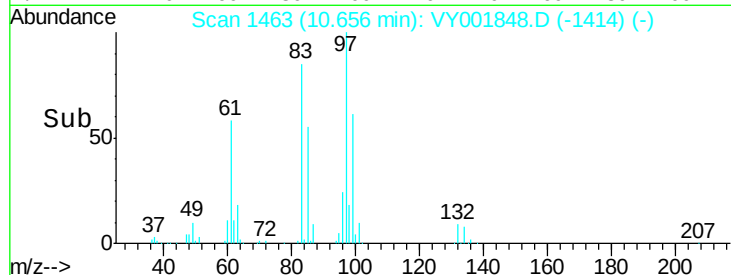
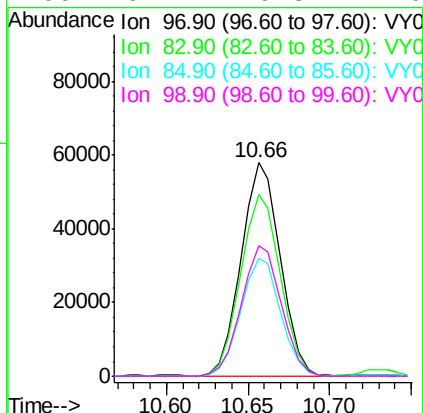
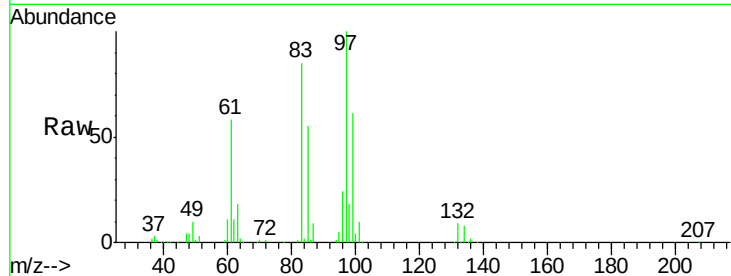
#55
 1,1,2-Trichloroethane
 Concen: 50.817 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY030420

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.1	71.6	107.4
85	55.3	46.6	69.8
99	61.4	49.8	74.6

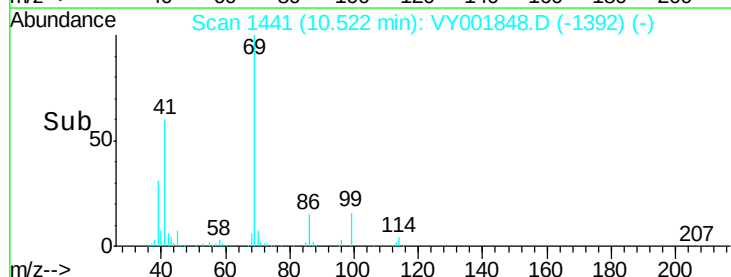
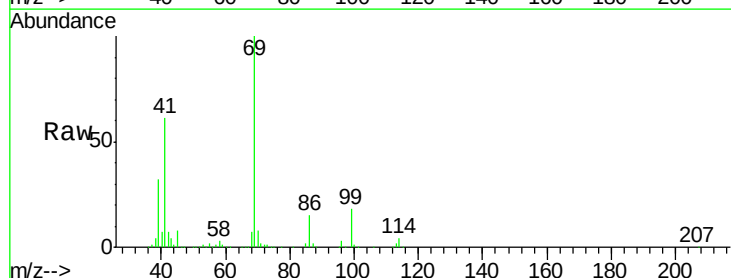
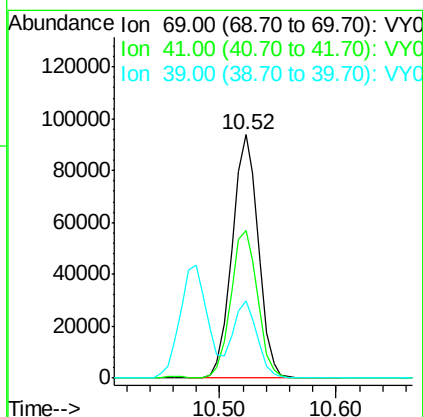
Manual Integrations
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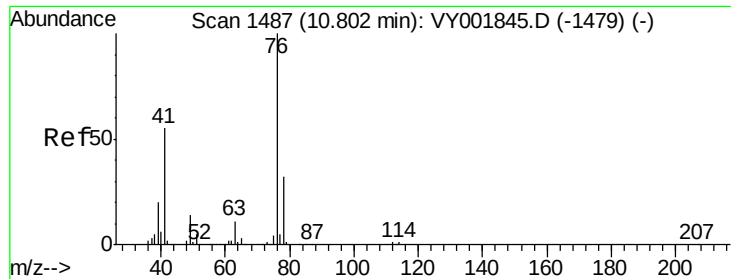
MMDadoda
 3/5/2020 1:37:16 PM



#56
 Ethyl methacrylate
 Concen: 52.340 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.9	74.9
39	28.5	23.0	34.6





#57

1,3-Dichloropropane

Concen: 49.487 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

ICVY030420

Tot Ion: 76 Resp: 168460

Ion Ratio Lower Upper

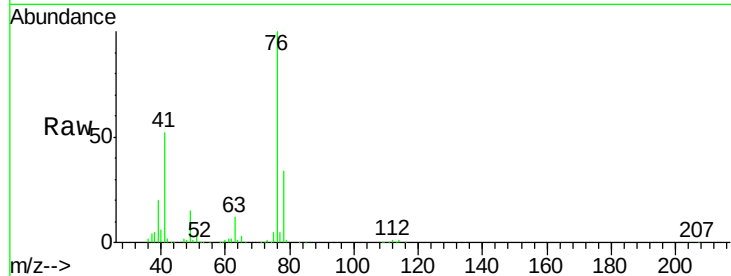
76 100

78 32.4 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:37:16 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

120000

100000

80000

60000

40000

20000

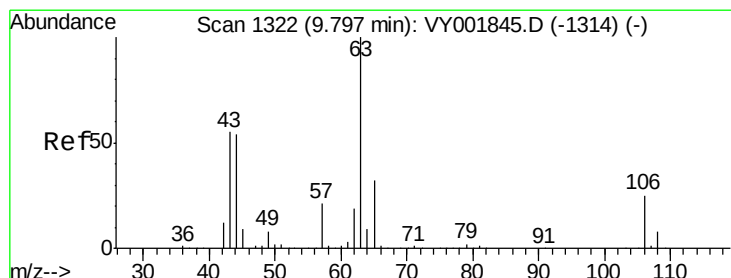
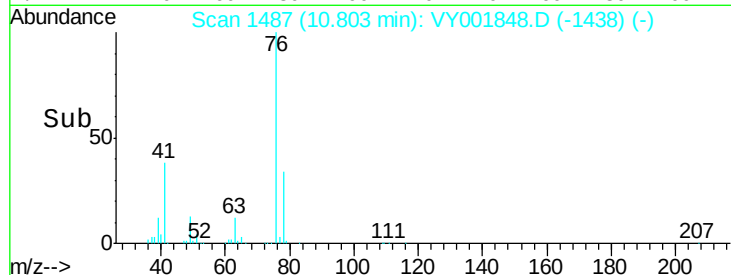
0

10.70

10.80

10.90

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 241.694 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY001848.D

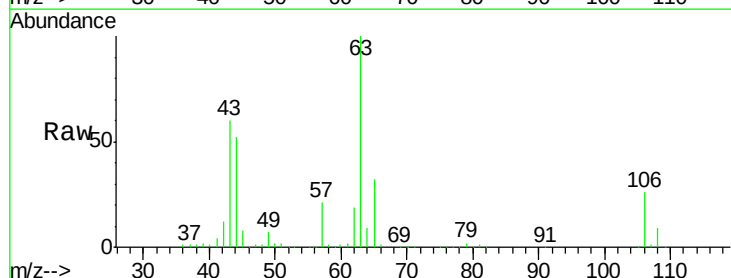
Acq: 04 Mar 2020 12:51

Tgt Ion: 63 Resp: 237551

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

150000

100000

50000

0

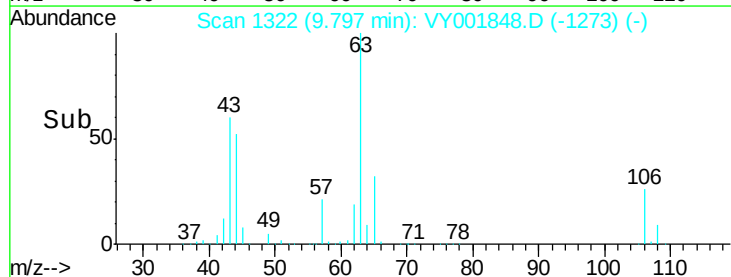
9.70

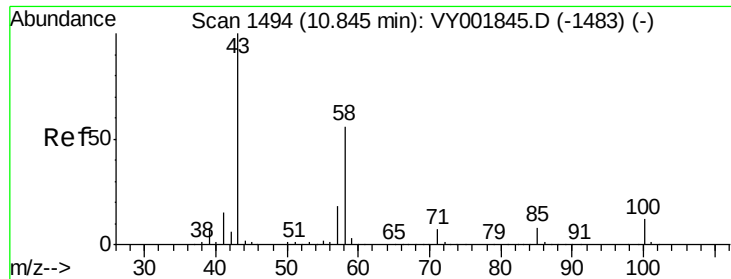
9.75

9.80

9.85

Time-->





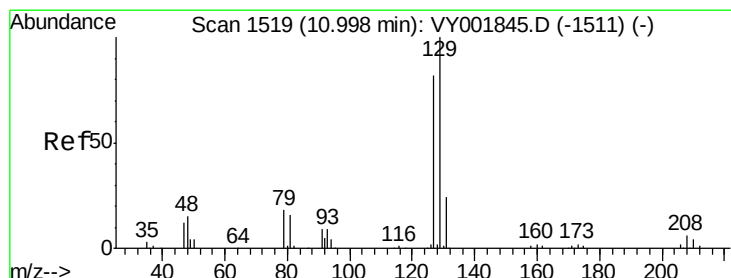
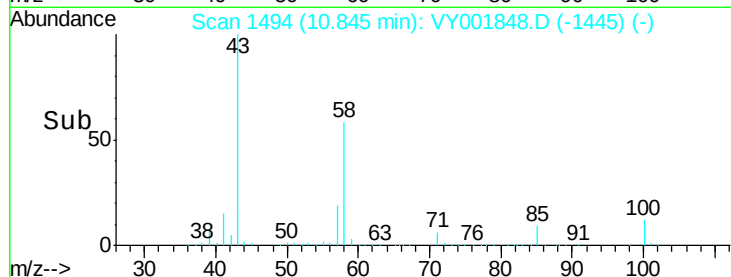
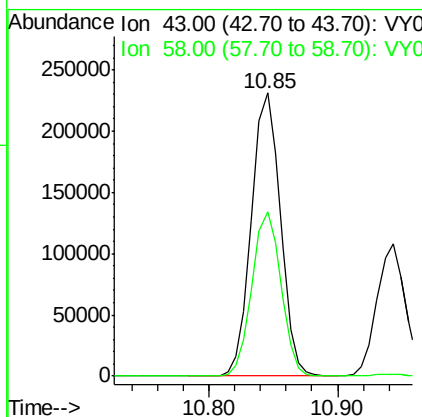
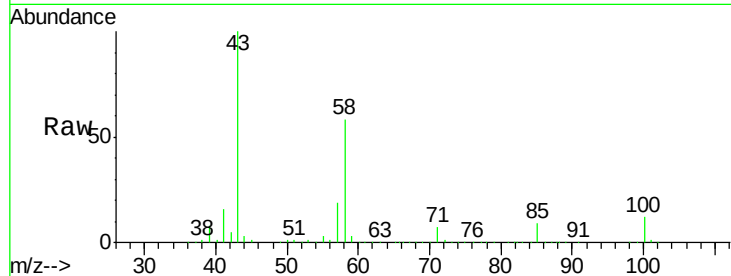
#59
2-Hexanone
Concen: 261.131 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion: 43 Resp: 359007
Ion Ratio Lower Upper
43 100
58 57.8 28.1 84.3

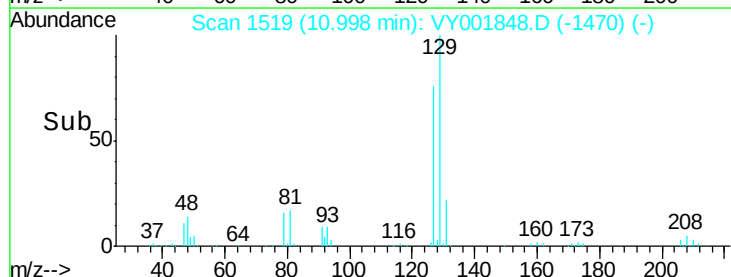
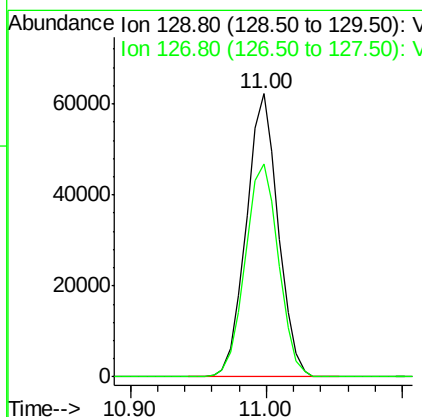
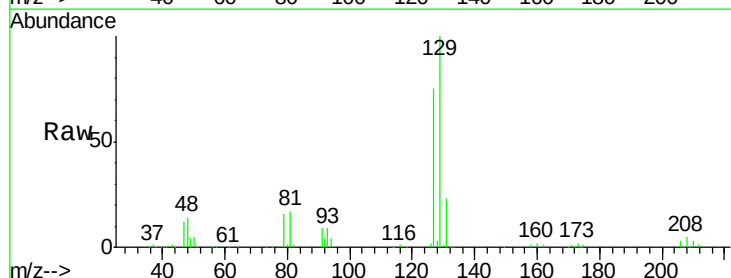
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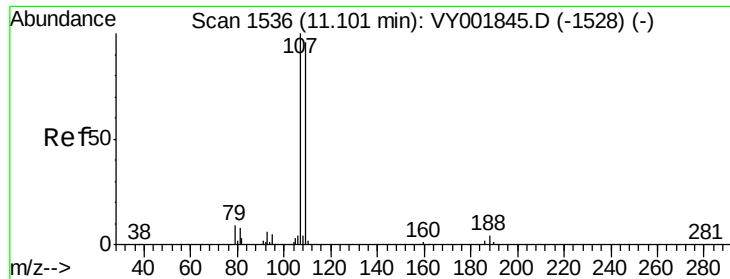
MMDadoda
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#60
Dibromochloromethane
Concen: 50.753 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion: 129 Resp: 102132
Ion Ratio Lower Upper
129 100
127 78.7 39.0 117.0





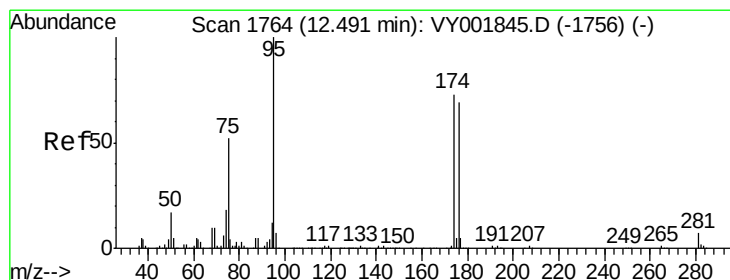
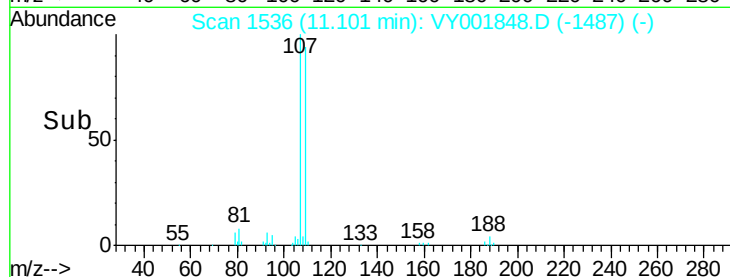
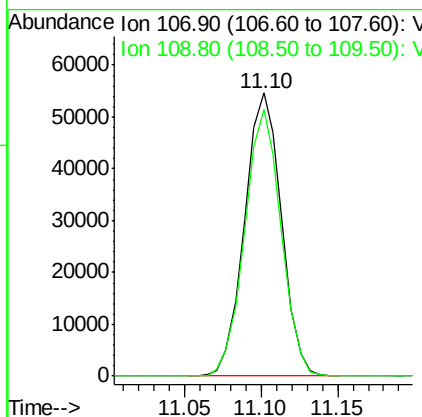
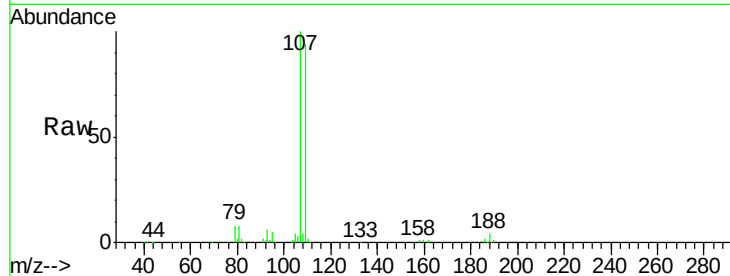
#61
 1,2-Dibromoethane
 Concen: 50.476 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY030420

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.4	113.0

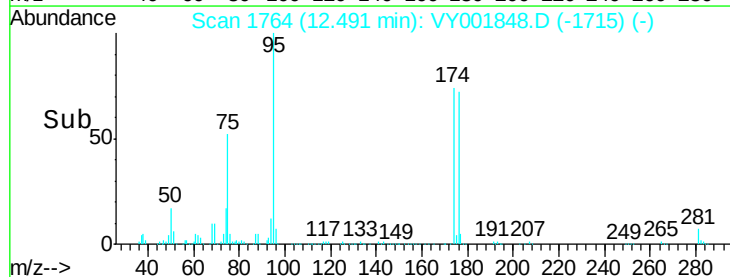
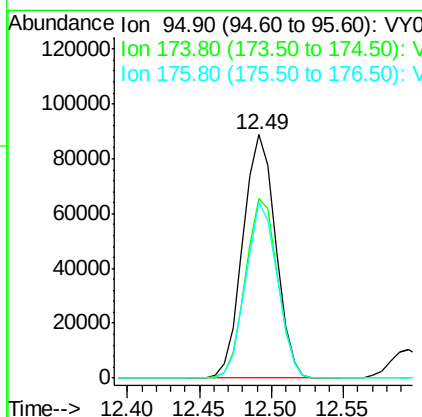
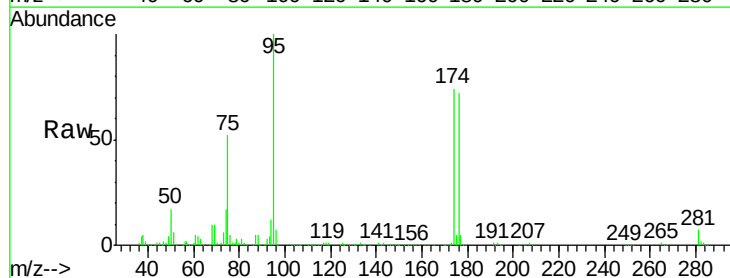
Manual Integrations
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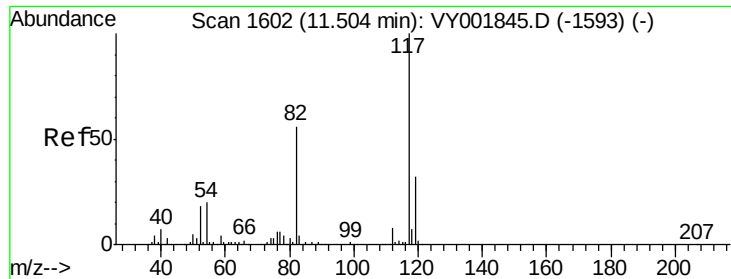
MMDadoda
 3/5/2020 1:37:16 PM



#62
 4-Bromofluorobenzene
 Concen: 49.425 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.0
176	69.8	0.0	137.4





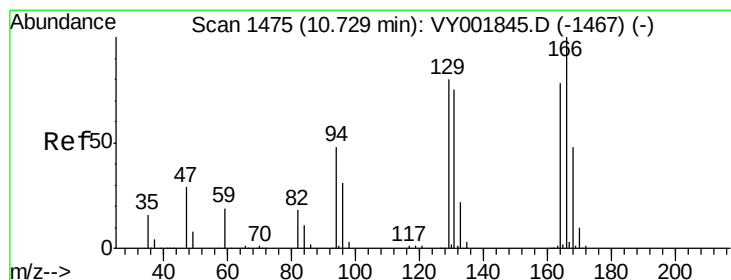
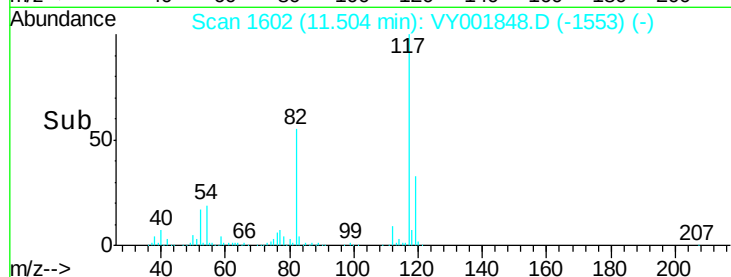
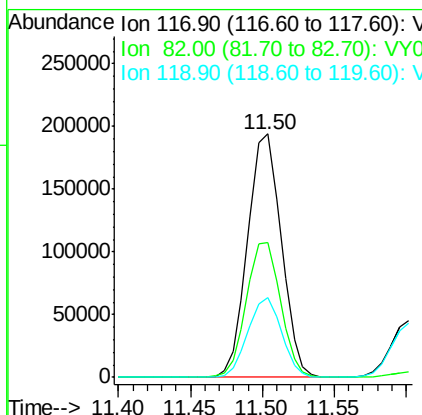
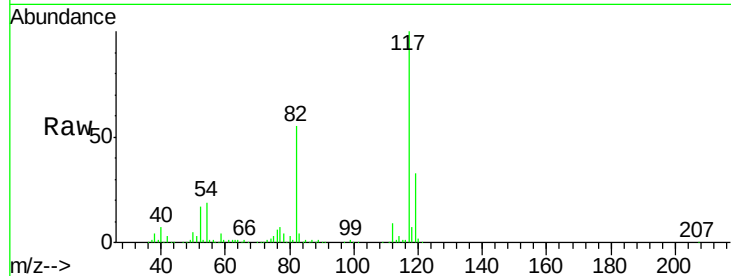
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion	Ratio	Resp	Lower	Upper
117	100	314733		
82	55.3		44.5	66.7
119	32.9		25.7	38.5

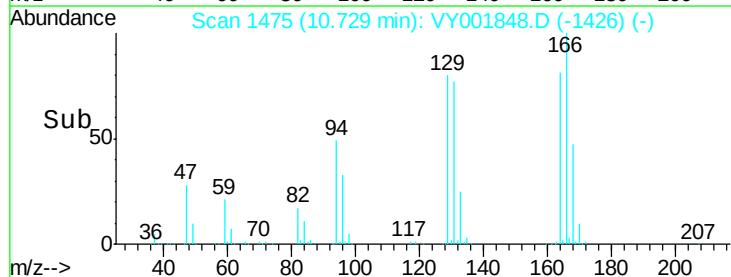
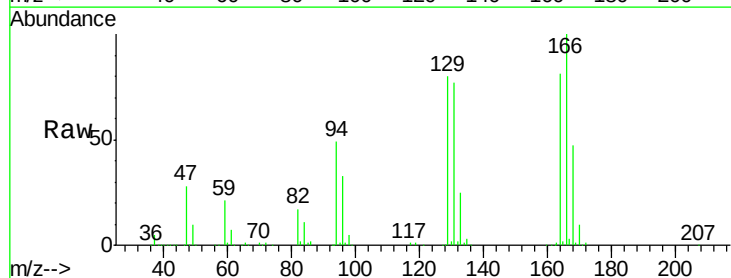
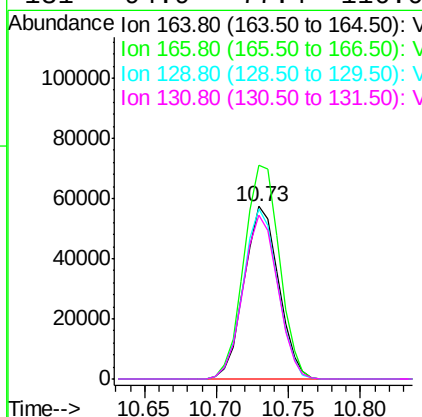
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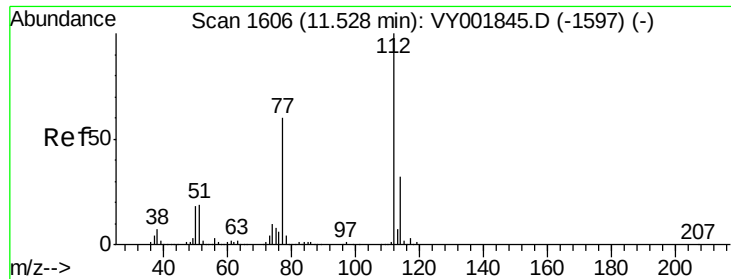
MMDadoda
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#64
Tetrachloroethene
Concen: 48.277 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	95287		
166	123.7		102.6	154.0
129	98.6		82.3	123.5
131	94.9		77.4	116.0





#65

Chlorobenzene

Concen: 49.583 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

ICVY030420

Tot Ion:112 Resp: 310946

Ion Ratio Lower Upper

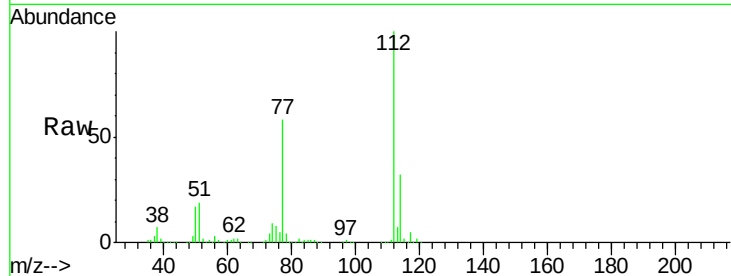
112 100

114 32.3 25.9 38.9

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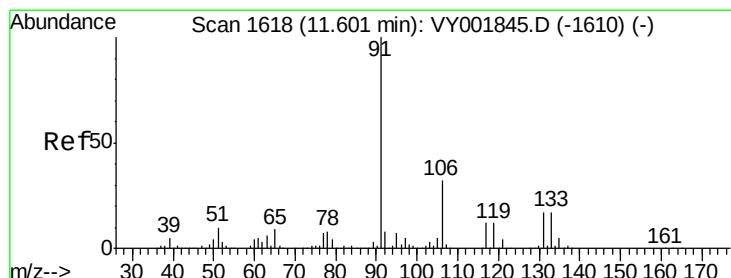
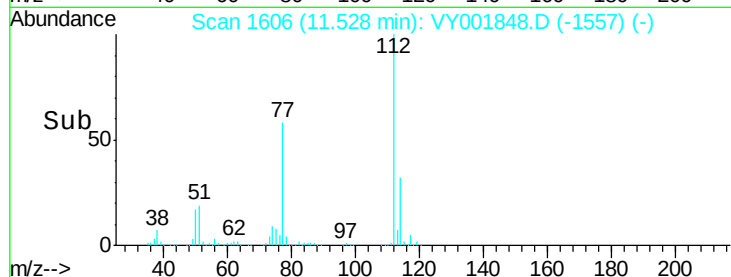
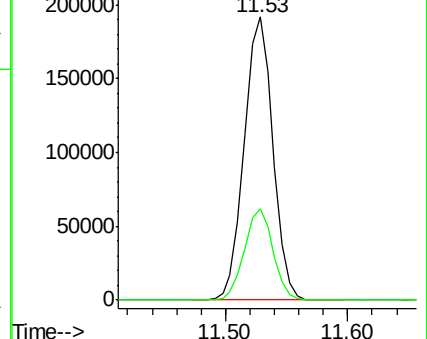
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.286 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

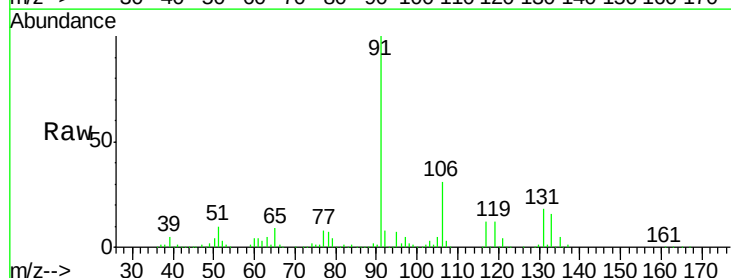
Tgt Ion:131 Resp: 103414

Ion Ratio Lower Upper

131 100

133 94.0 47.1 141.3

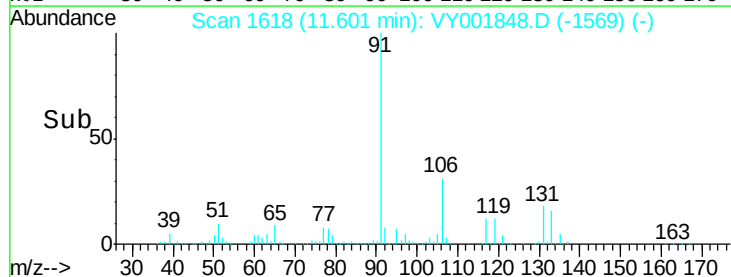
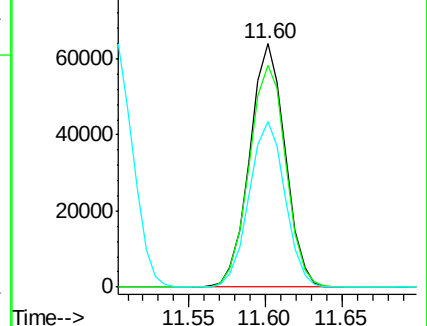
119 68.9 34.5 103.6

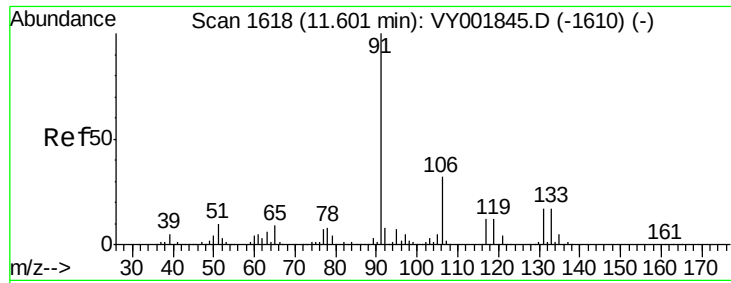


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





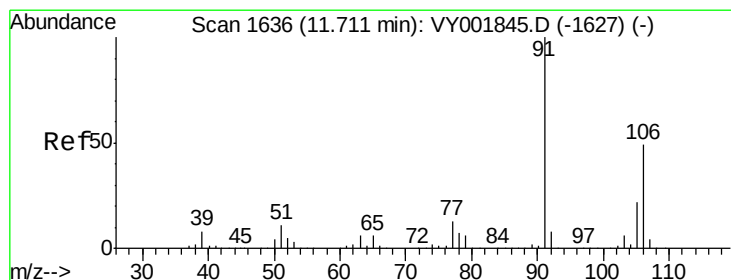
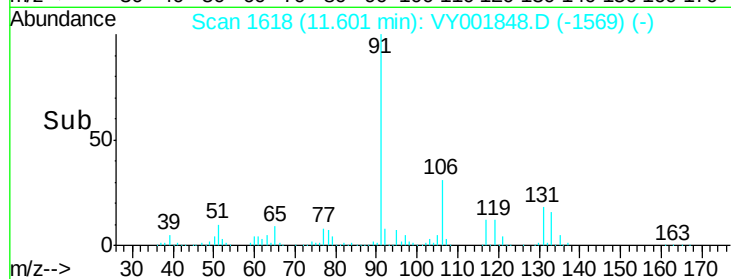
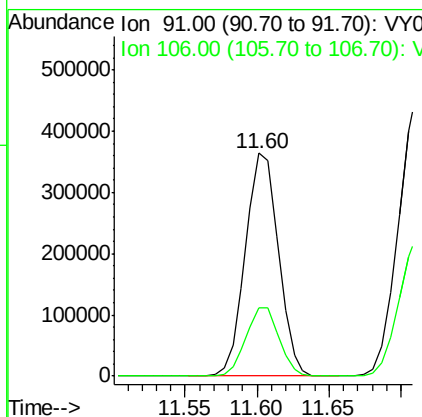
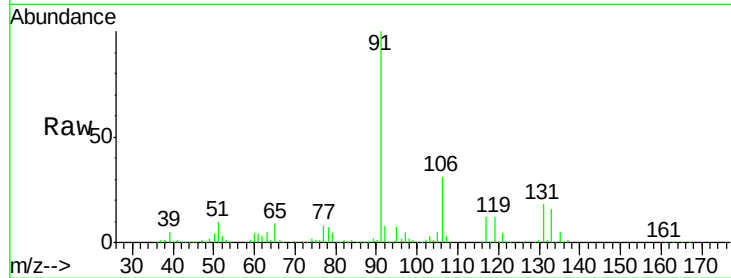
#67
Ethyl Benzene
Concen: 49.587 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion: 91 Resp: 579953
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2

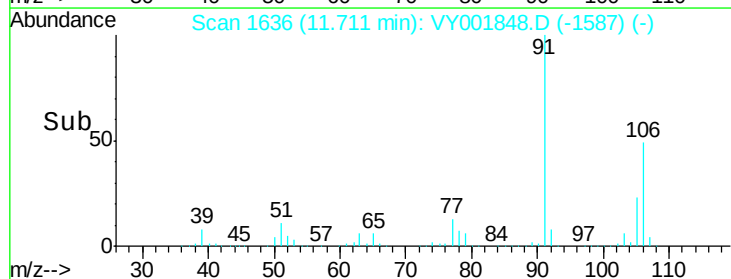
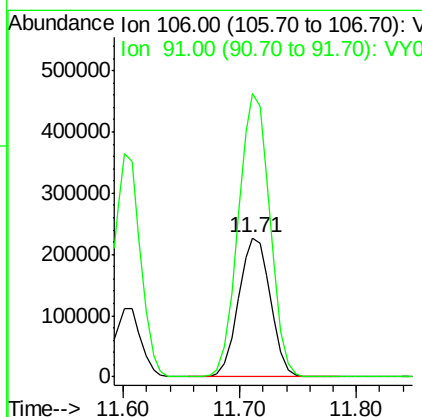
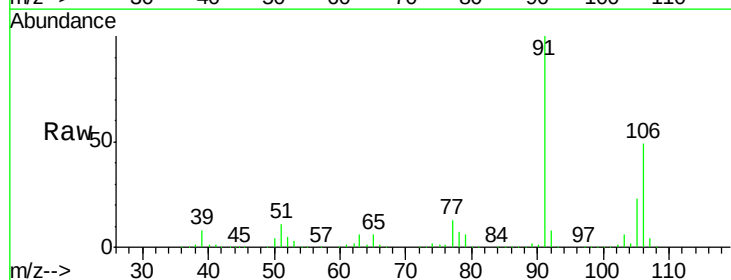
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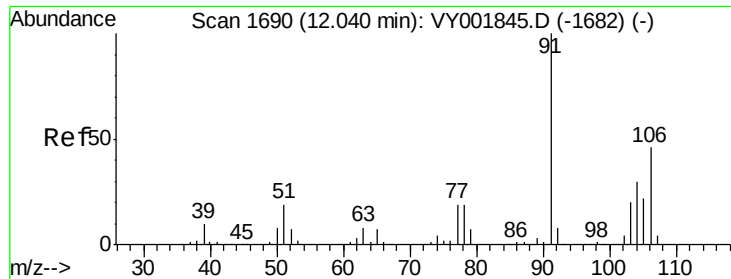
MMDadoda
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#68
m/p-Xylenes
Concen: 99.618 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion: 106 Resp: 430750
Ion Ratio Lower Upper
106 100
91 202.0 161.3 241.9





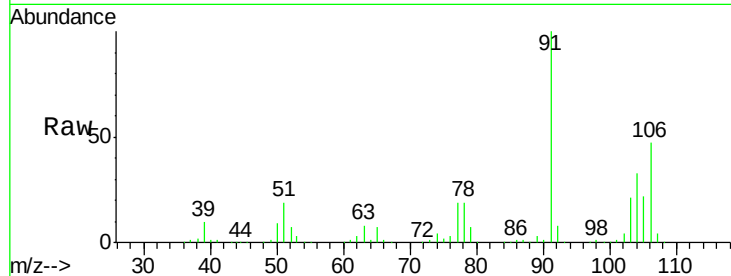
#69
o-Xylene
Concen: 50.019 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

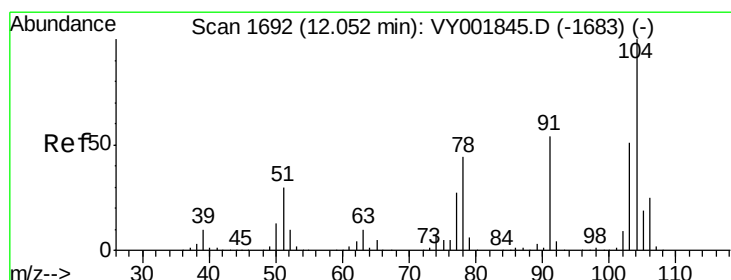
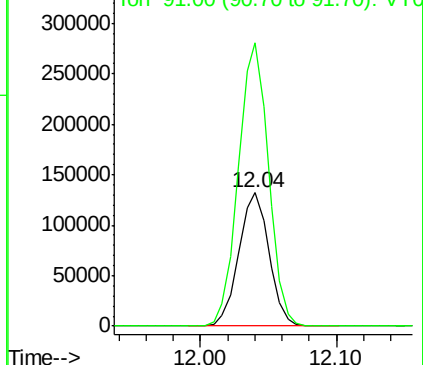
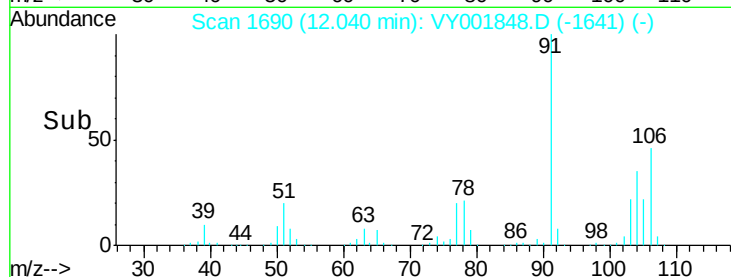
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		203853		
91	212.4	106.8	320.4		

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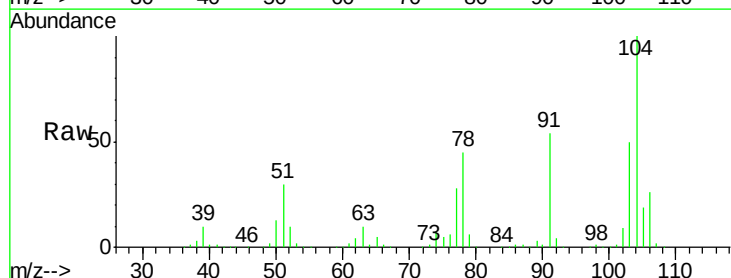


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

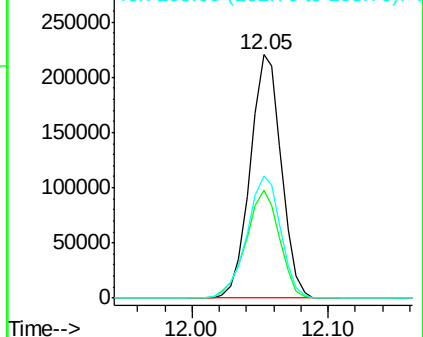
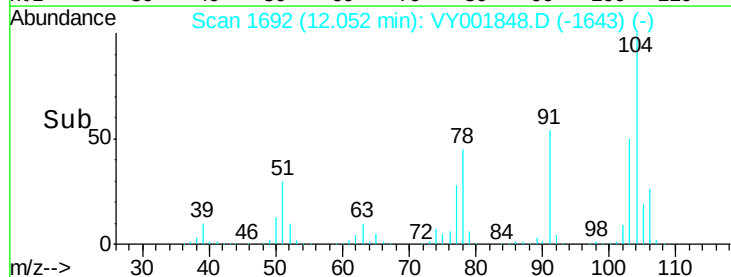


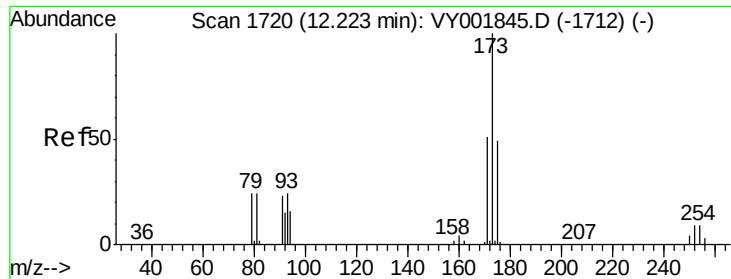
#70
Styrene
Concen: 50.619 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		353329		
78	47.6	38.5	57.7		
103	54.1	42.9	64.3		



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.171 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

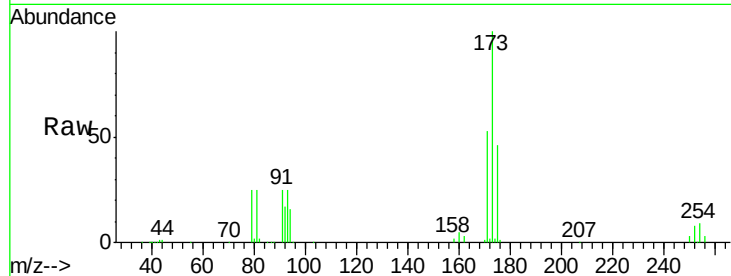
ClientSampleId :

ICVY030420

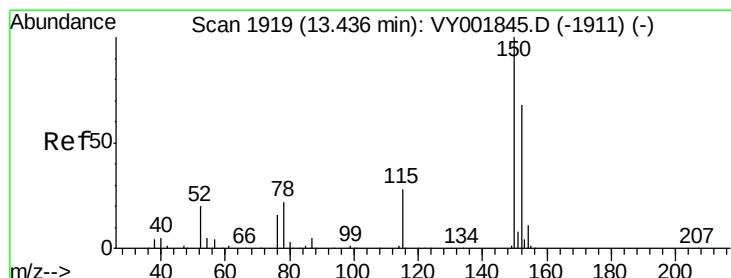
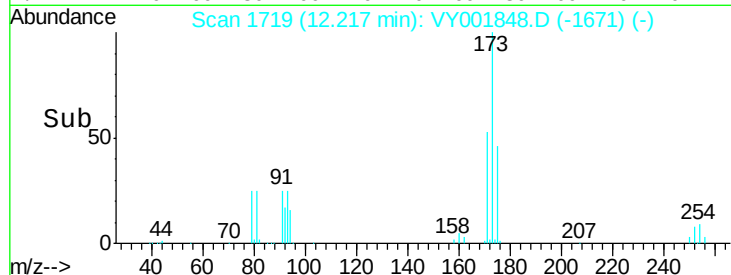
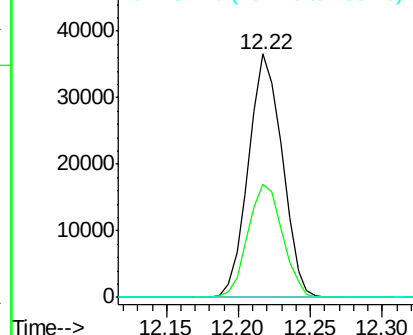
Tot Ion:	173	Resp:	59301
Ion Ratio	Lower	Upper	
173	100		
175	47.4	24.3	72.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

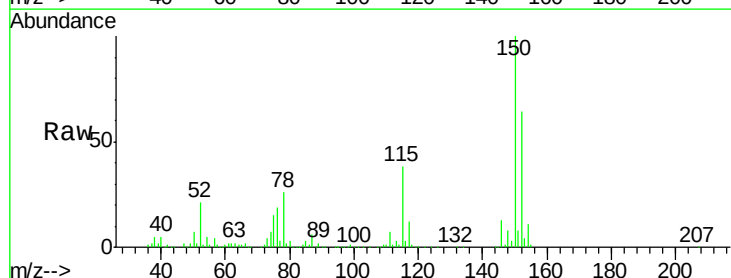
RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

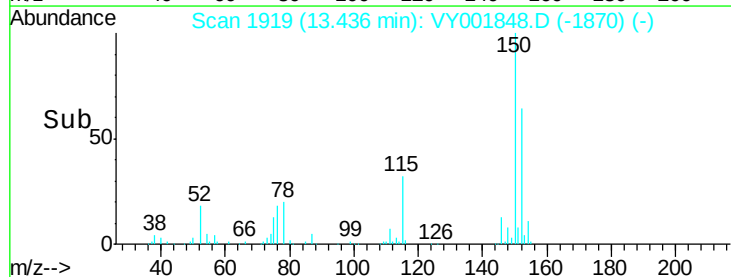
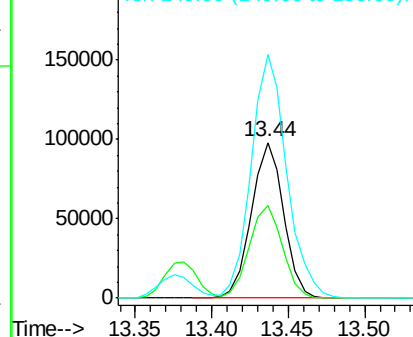
Lab File: VY001848.D

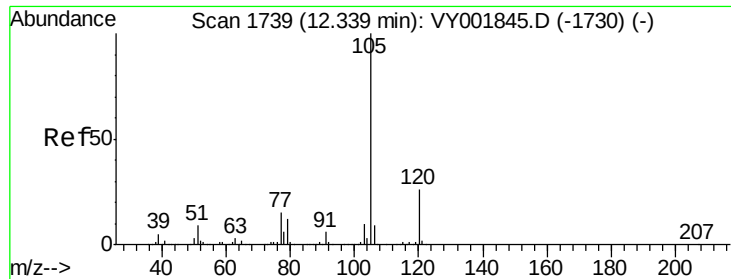
Acq: 04 Mar 2020 12:51

Tgt Ion:	152	Resp:	143066
Ion Ratio	Lower	Upper	
152	100		
115	61.5	29.9	89.7
150	173.7	0.0	340.6



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





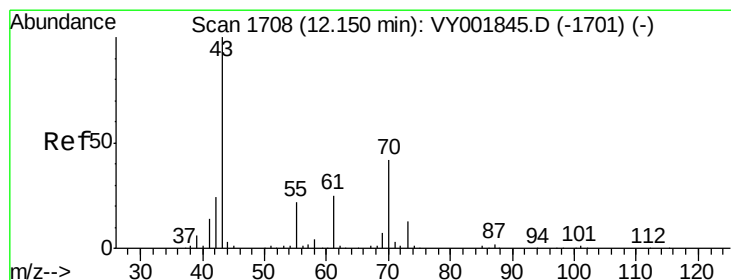
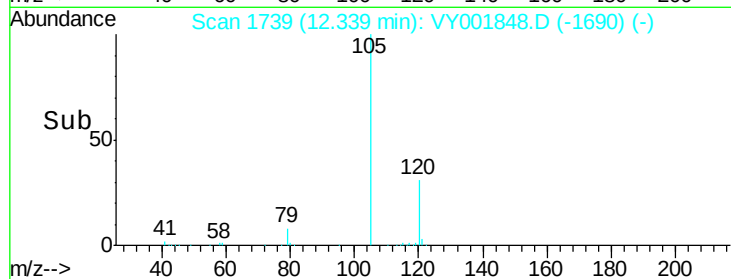
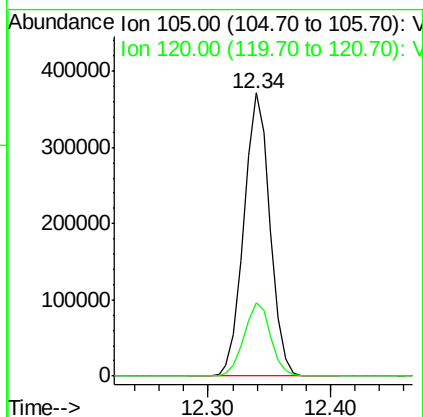
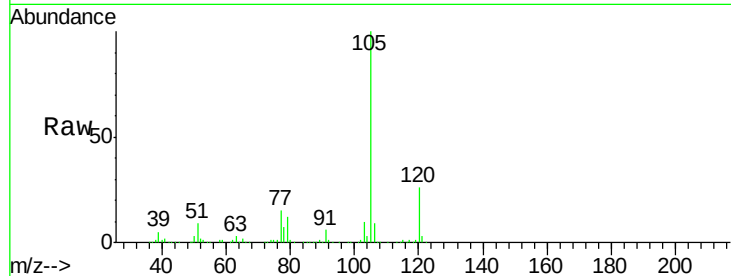
#73
Isopropylbenzene
Concen: 50.167 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

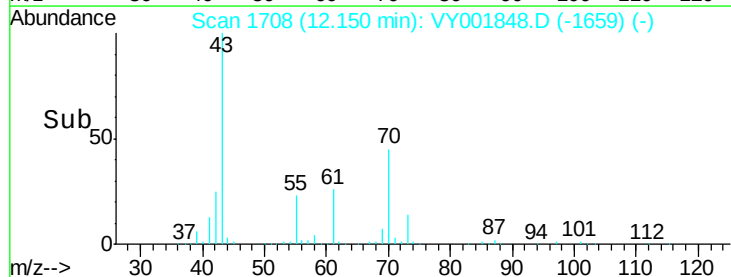
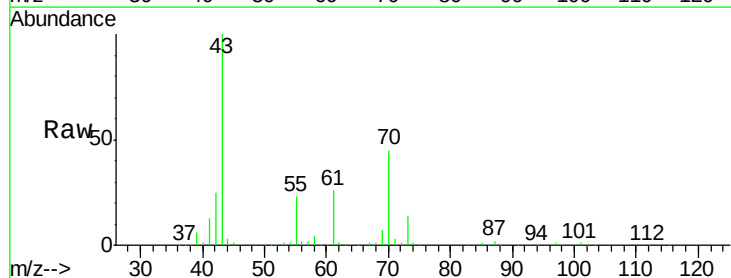
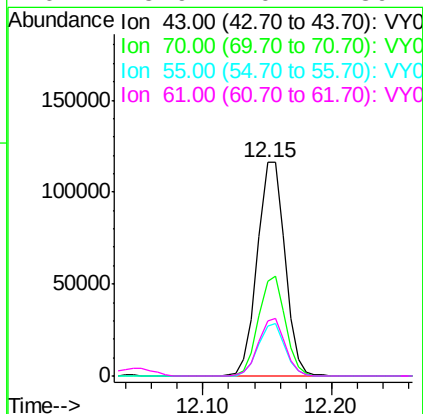
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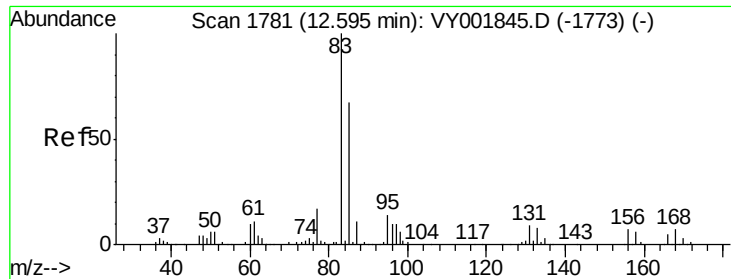
MMDadoda
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#74
N-ethyl acetate
Concen: 51.312 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.1	34.7	52.1
55	23.7	18.2	27.4
61	25.9	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.547 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

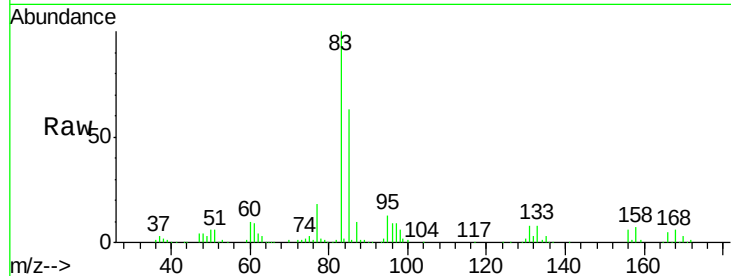
ClientSampleId :

ICVY030420

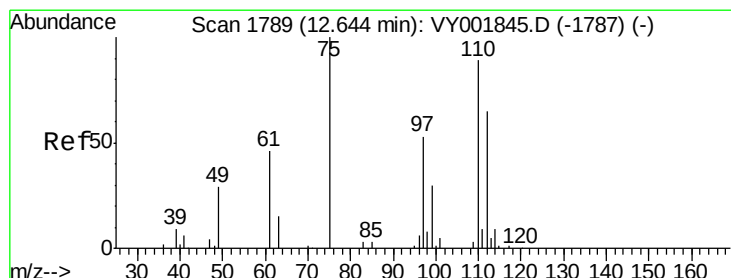
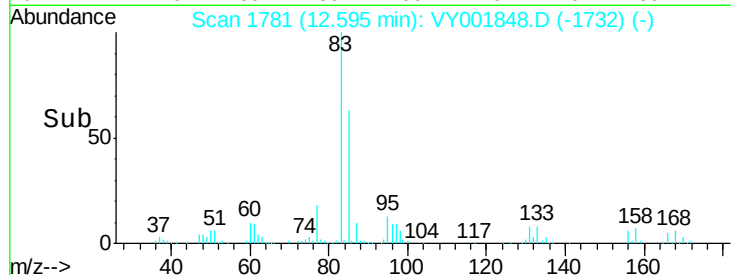
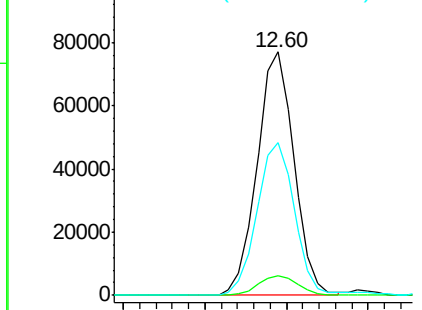
Tot Ion:	83	Resp:	121400
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.6	13.8
85	63.4	32.1	96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 47.211 ug/l m

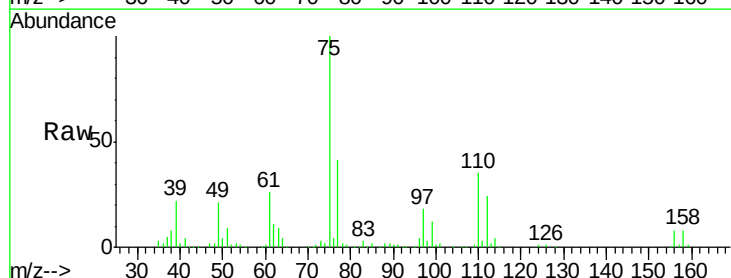
RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

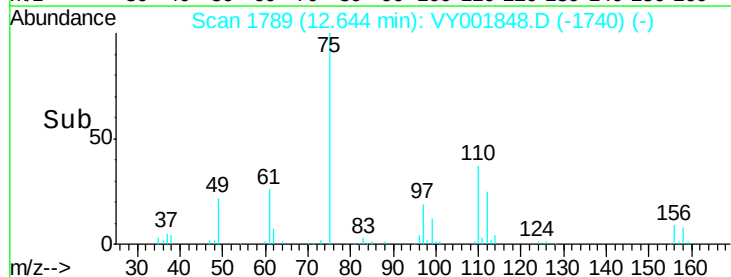
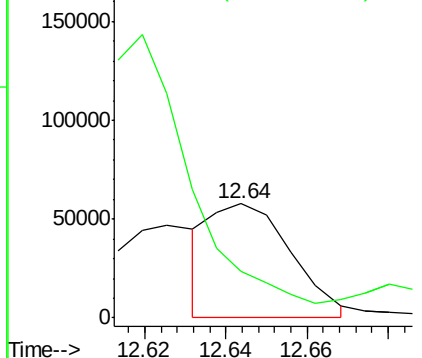
Lab File: VY001848.D

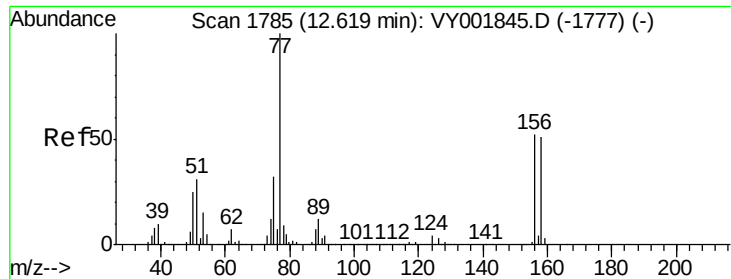
Acq: 04 Mar 2020 12:51

Tgt Ion:	75	Resp:	80145
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 50.428 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

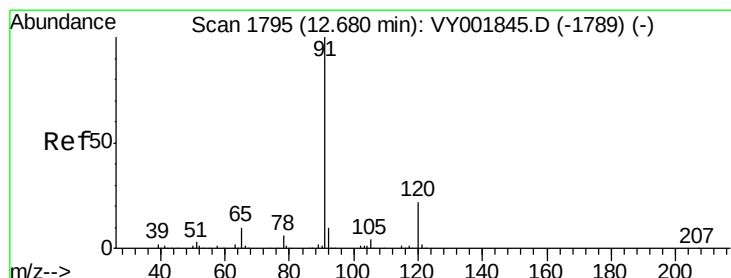
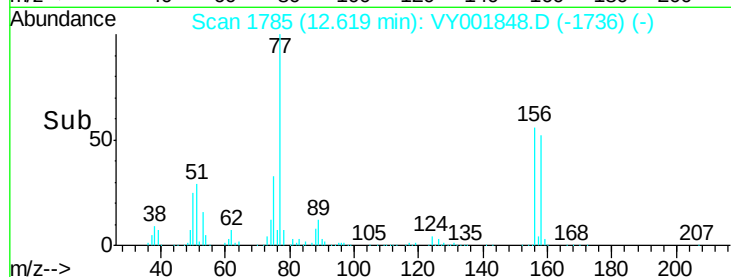
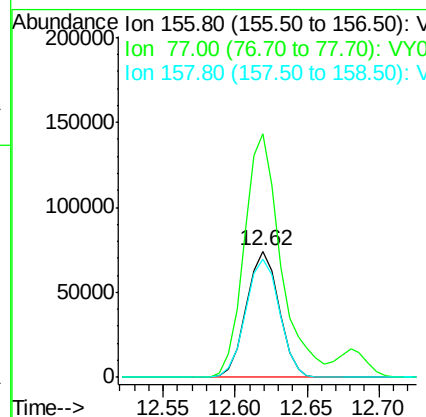
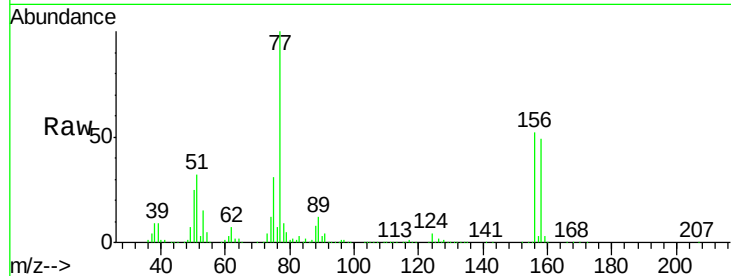
ClientSampleId :

ICVY030420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	216.3		116684	109.0	327.0
158	96.9			48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 50.171 ug/l

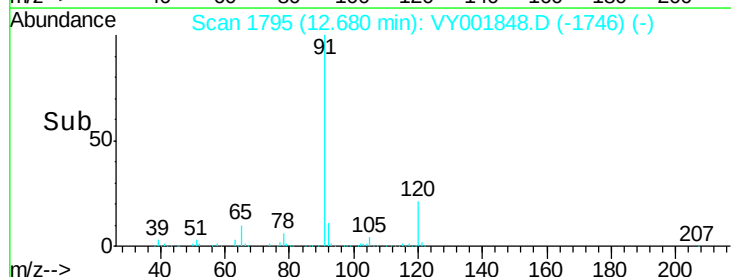
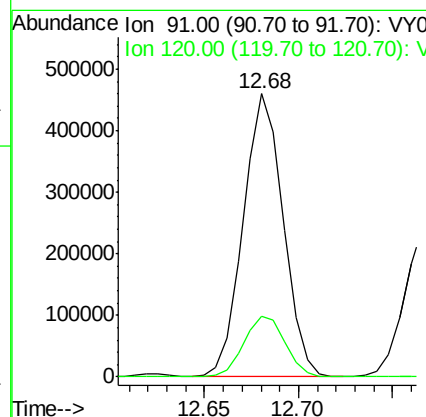
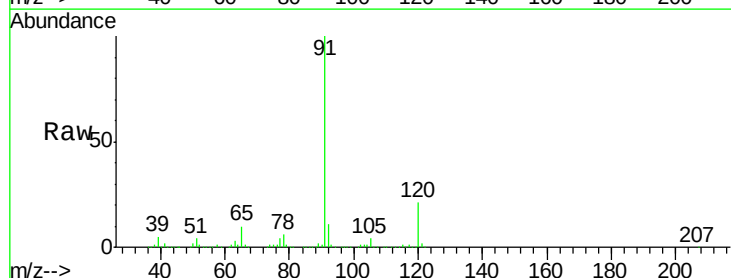
RT: 12.68 min Scan# 1795

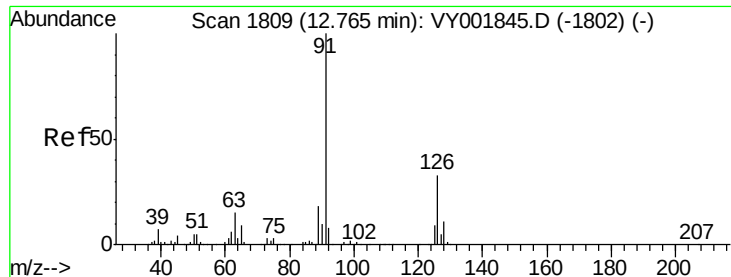
Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.0		675986	11.0	33.0





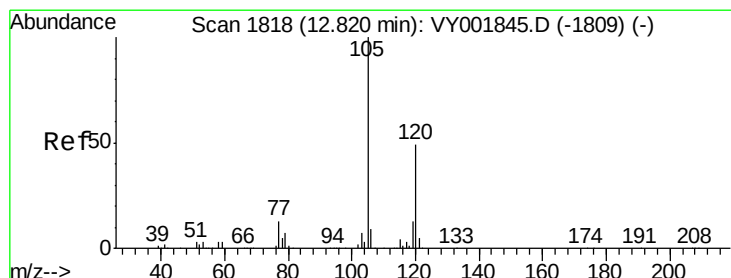
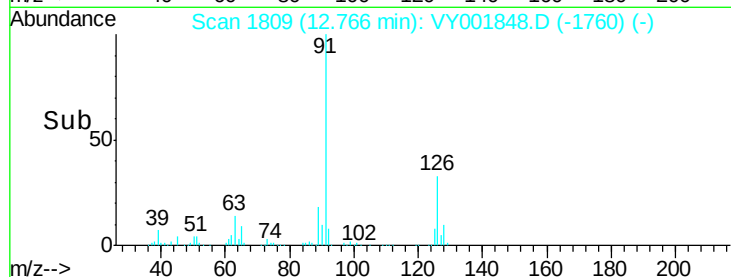
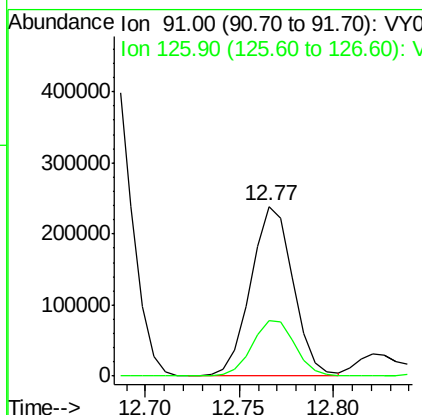
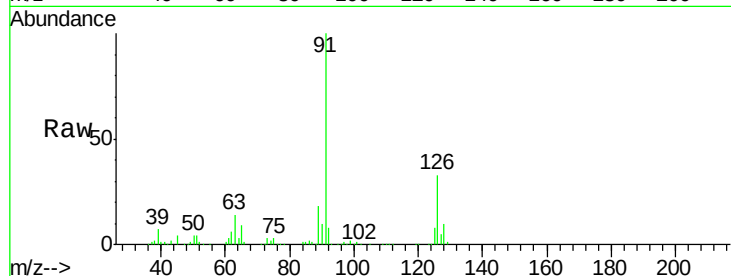
#79
 2-Chlorotoluene
 Concen: 49.941 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY030420

Tot Ion: 91 Resp: 371760
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.3 48.8

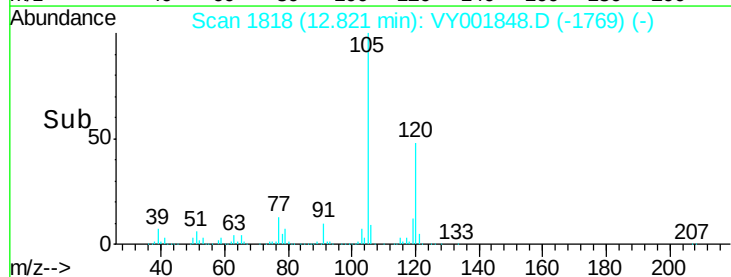
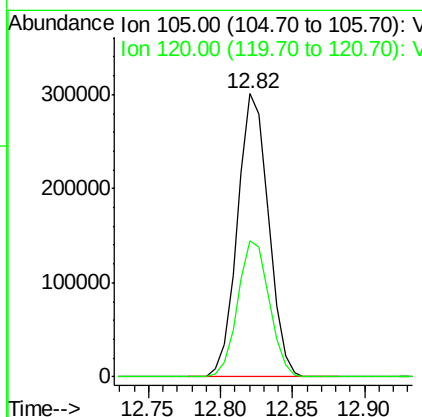
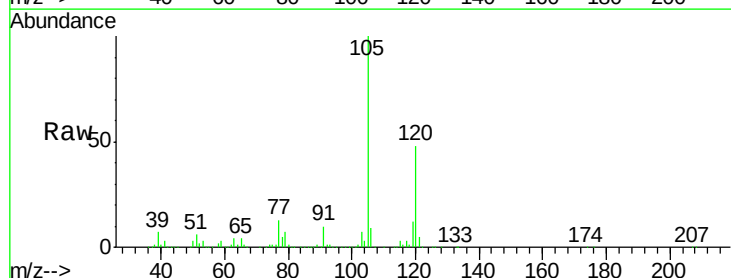
Manual Integrations
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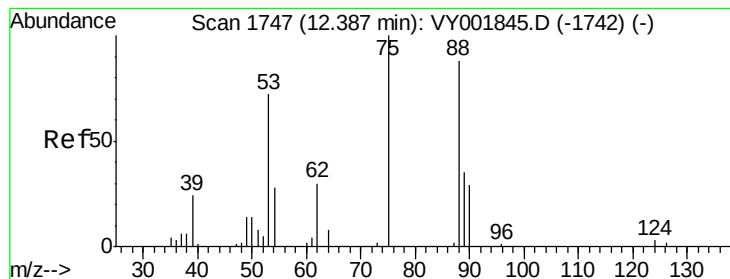
MMDadoda
 3/5/2020 1:37:16 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.081 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Tgt Ion: 105 Resp: 450272
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.596 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

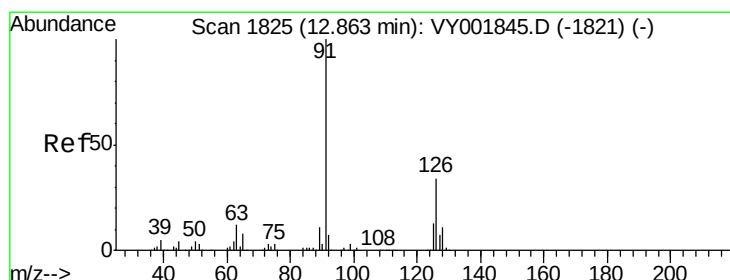
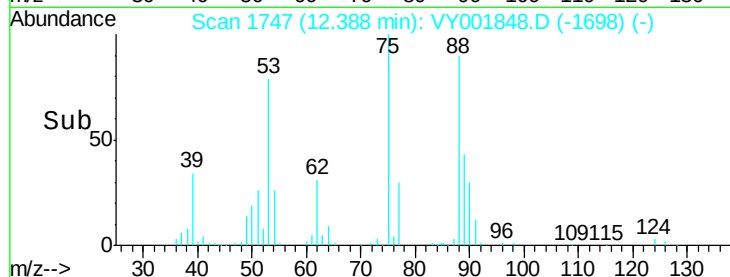
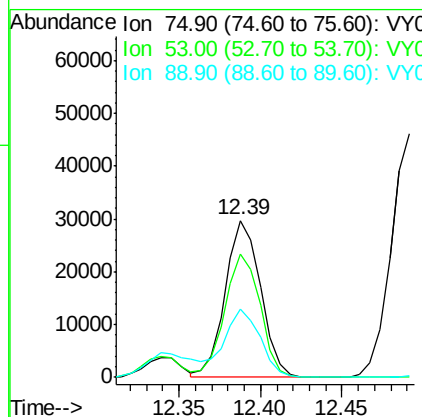
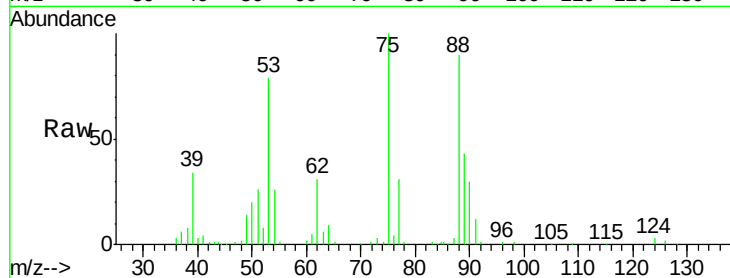
ClientSampleId :

ICVY030420

Tot Ion:	75	Resp:	45042
Ion Ratio	Lower	Upper	
75	100		
53	78.5	65.4	98.0
89	44.1	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.172 ug/l

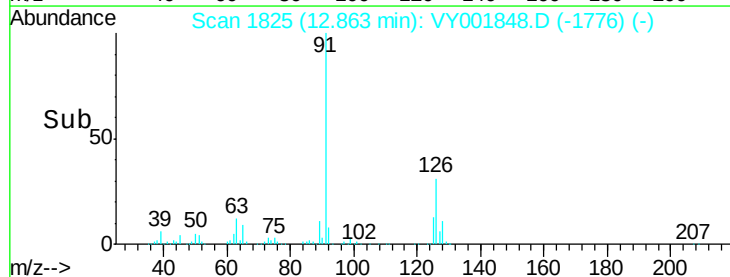
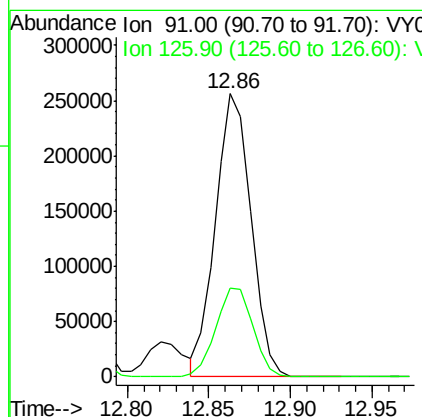
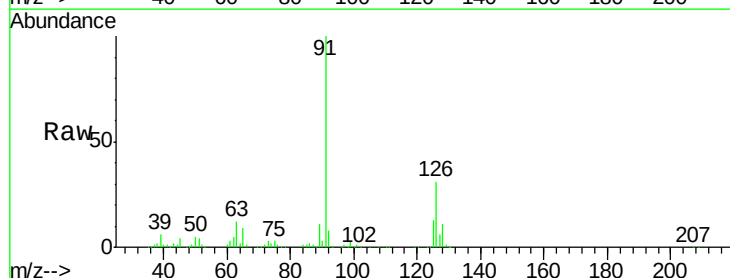
RT: 12.86 min Scan# 1825

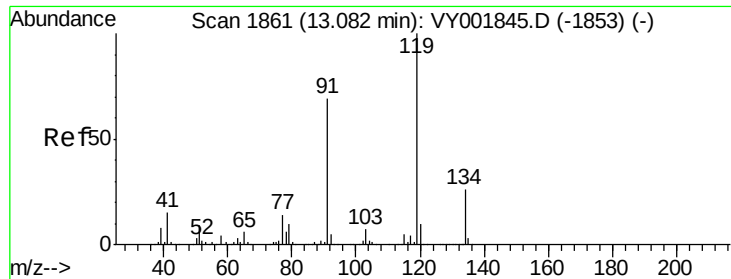
Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Tgt Ion:	91	Resp:	388864
Ion Ratio	Lower	Upper	
91	100		
126	32.8	16.4	49.2





#83

tert-Butylbenzene

Concen: 52.251 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

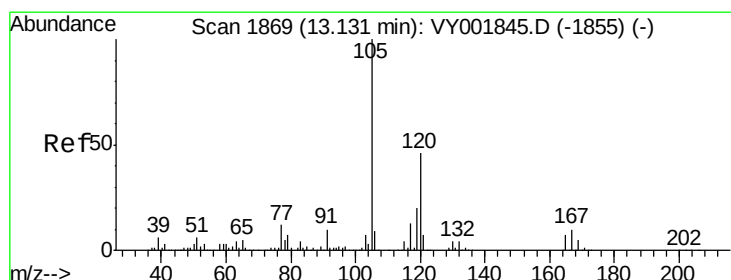
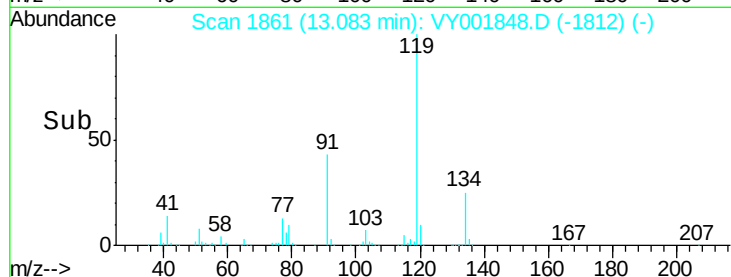
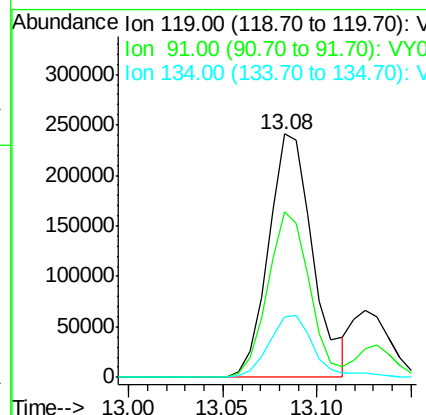
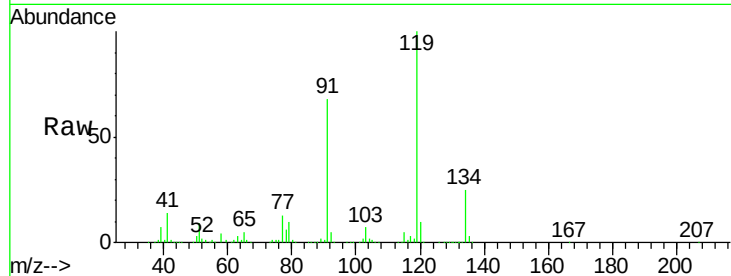
ClientSampleId :

ICVY030420

Tot Ion:	119	Resp:	390193
Ion Ratio	Lower	Upper	
119	100		
91	64.5	34.0	101.8
134	26.1	13.5	40.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.256 ug/l

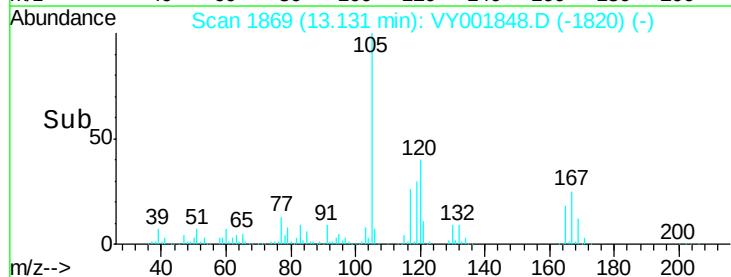
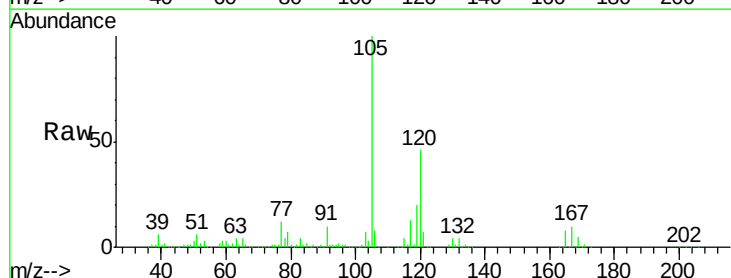
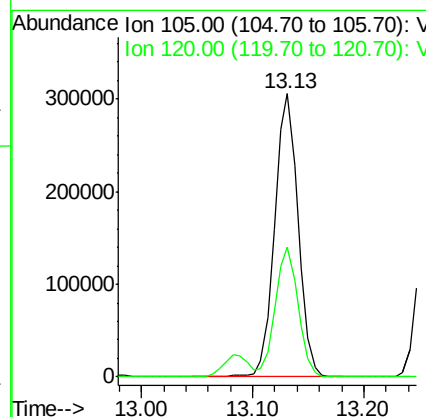
RT: 13.13 min Scan# 1869

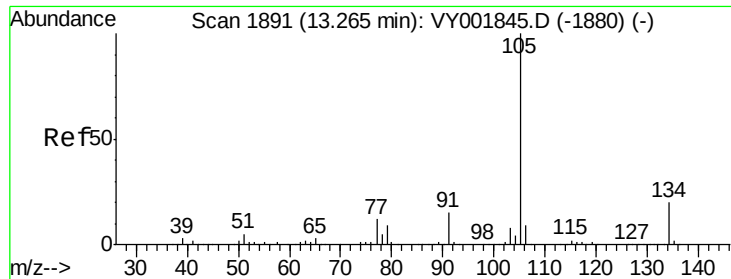
Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Tgt Ion:	105	Resp:	448415
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 50.973 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

ICVY030420

Tot Ion:105 Resp: 561072

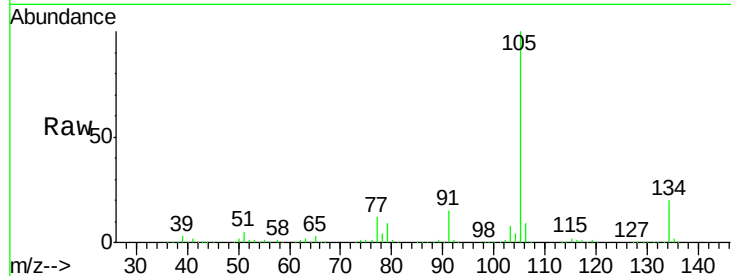
Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.27

400000

300000

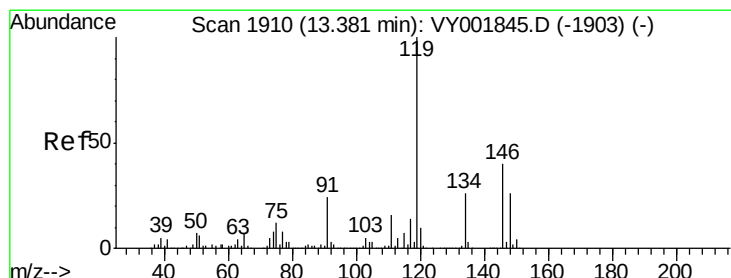
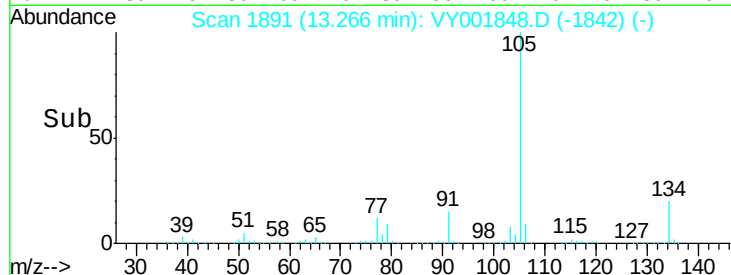
200000

100000

0

Time-->

13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 51.198 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

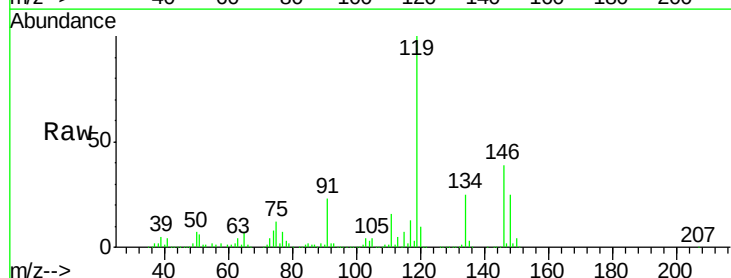
Tgt Ion:119 Resp: 486134

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 23.4 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

400000

300000

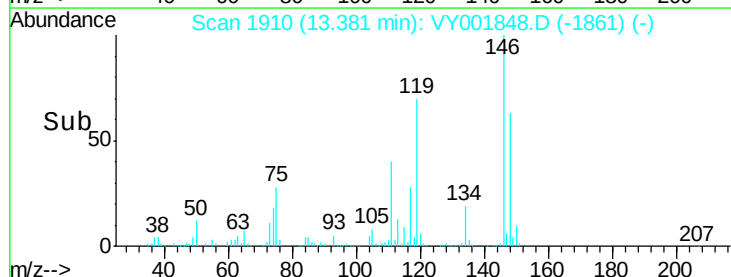
200000

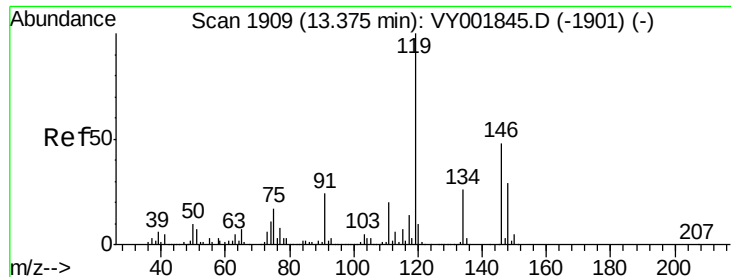
100000

0

Time-->

13.30 13.35 13.40 13.45





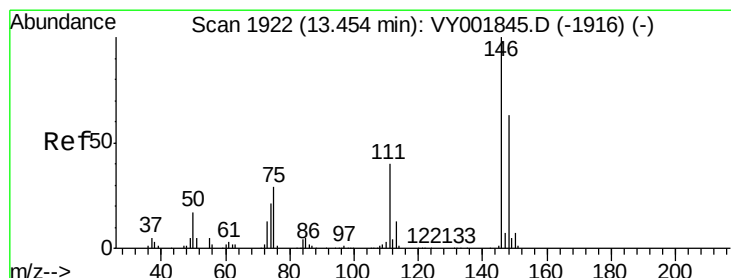
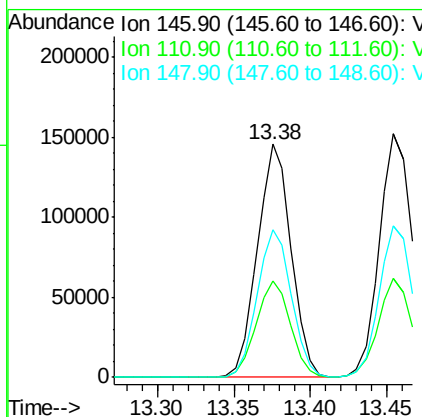
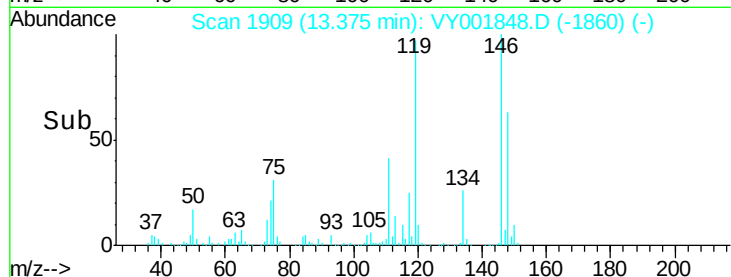
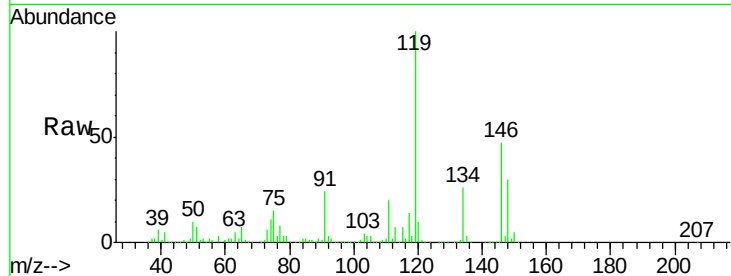
#87
 1,3-Dichlorobenzene
 Concen: 49.423 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY030420

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.5
148	64.2	31.4	94.0

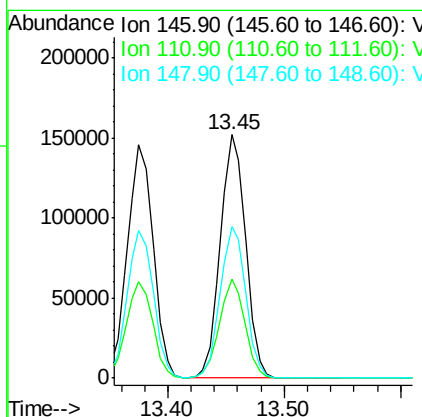
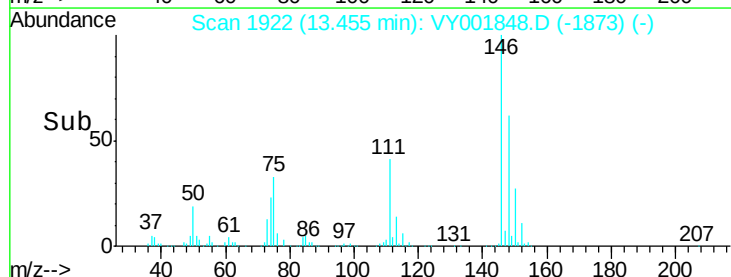
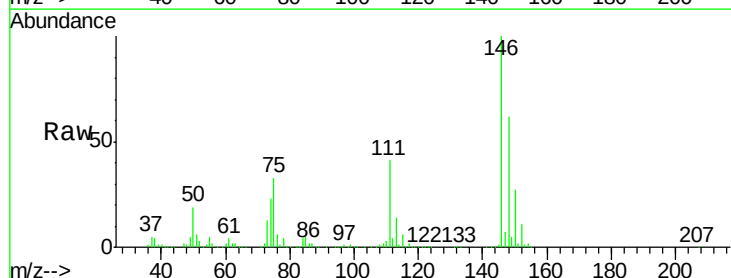
Manual Integrations
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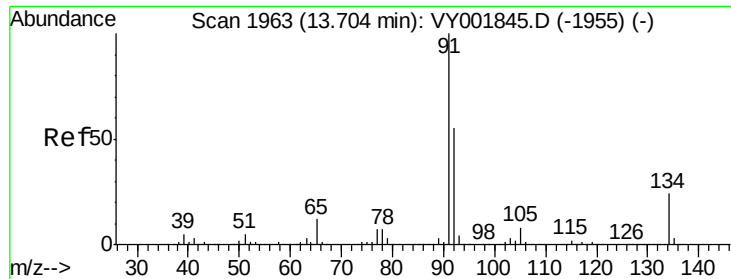
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#88
 1,4-Dichlorobenzene
 Concen: 49.661 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	62.7	31.5	94.5





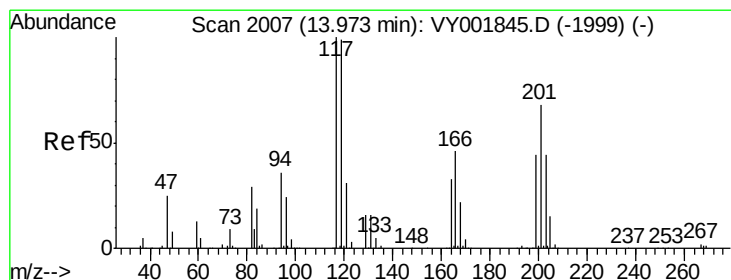
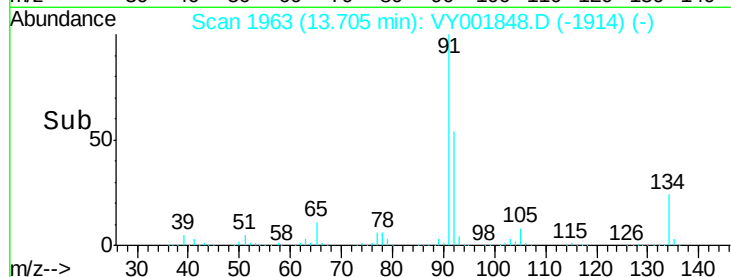
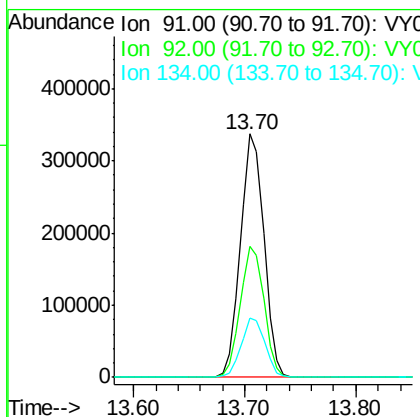
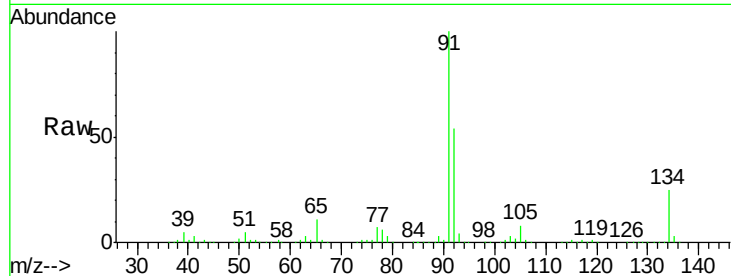
#89
n-Butylbenzene
Concen: 50.273 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion	Ratio	Resp	Lower	Upper
91	100	495246		
92	54.1	27.5	82.4	
134	24.6	12.5	37.5	

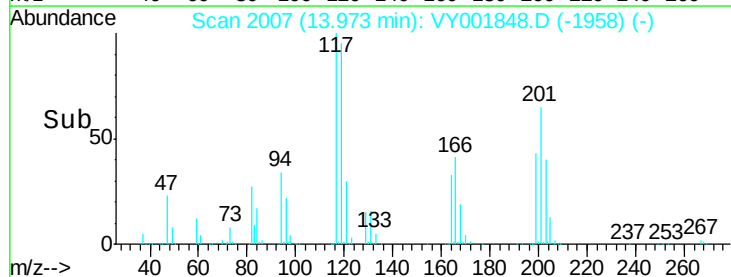
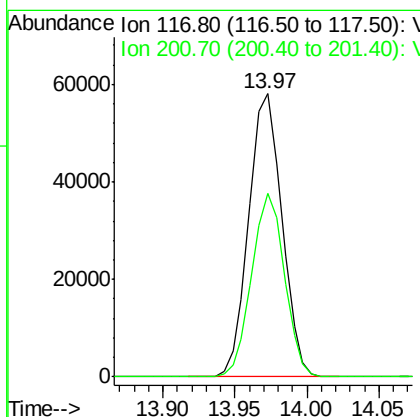
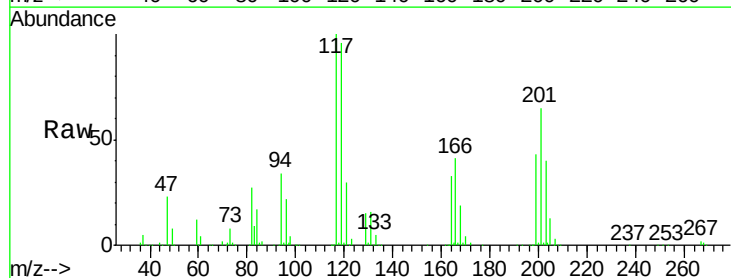
Manual Integrations
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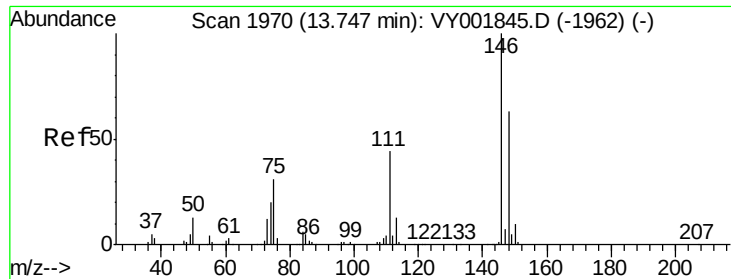
MMDadoda
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#90
Hexachloroethane
Concen: 51.712 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	92630		
201	64.0	32.5	97.5	





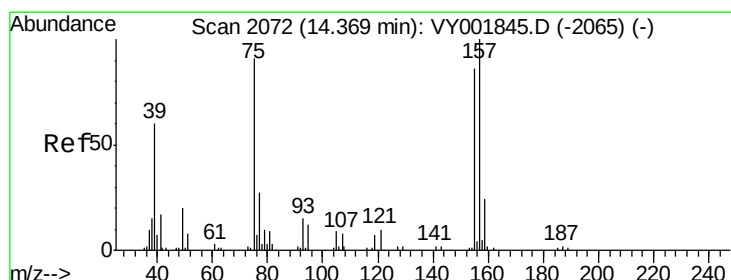
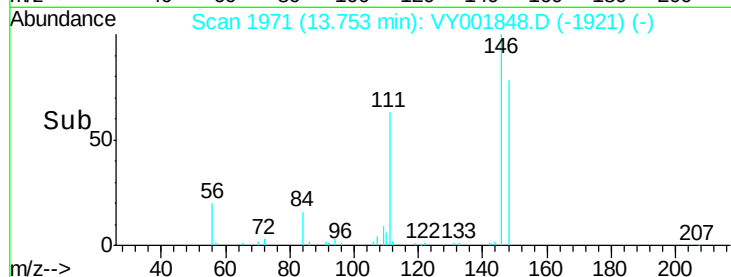
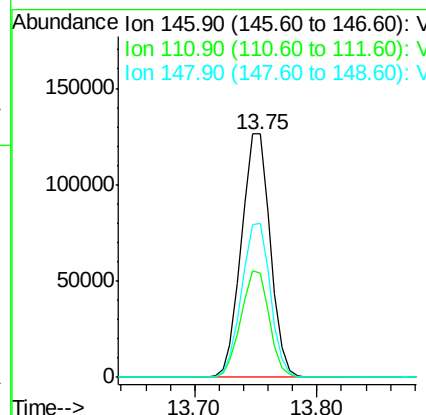
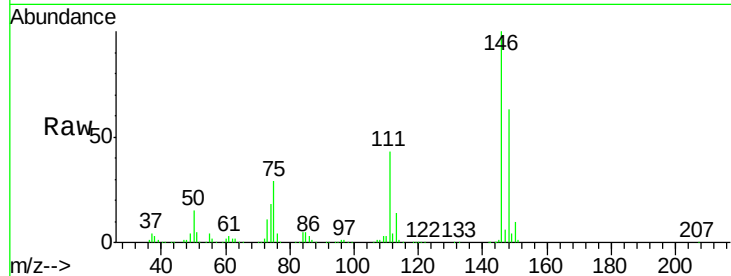
#91
 1,2-Dichlorobenzene
 Concen: 50.042 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY030420

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	63.1	32.0	96.0

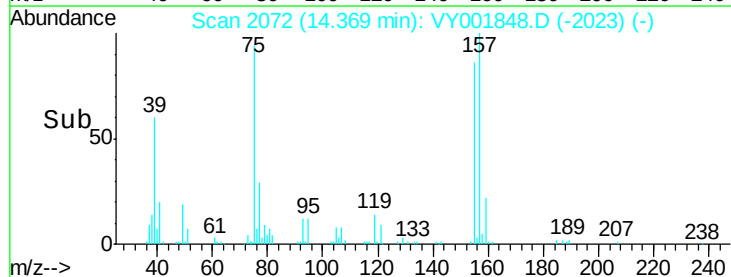
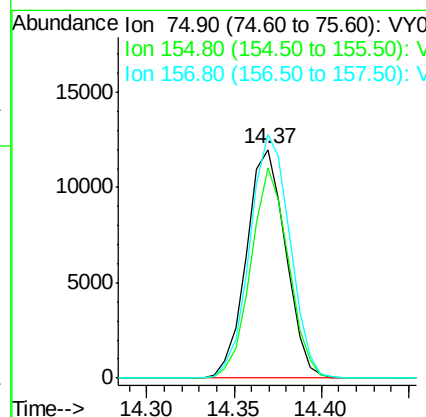
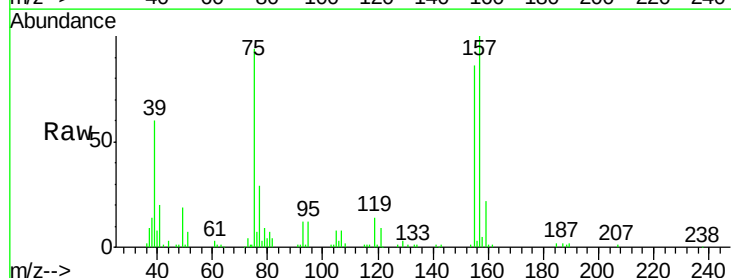
Manual Integrations
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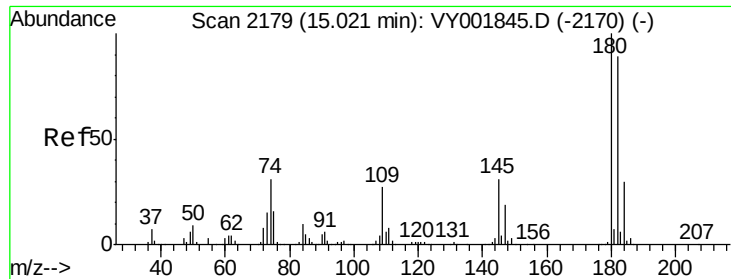
MMDadoda
 3/5/2020 1:37:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.889 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001848.D
 Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	42.9	128.7
157	108.9	53.1	159.4





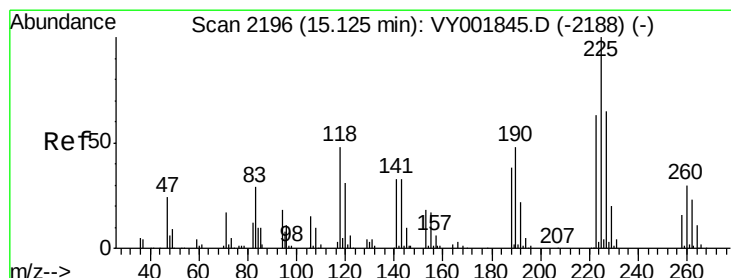
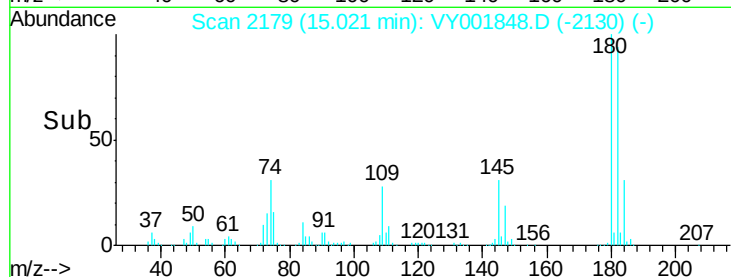
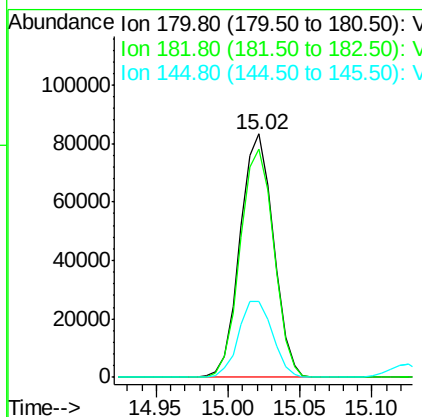
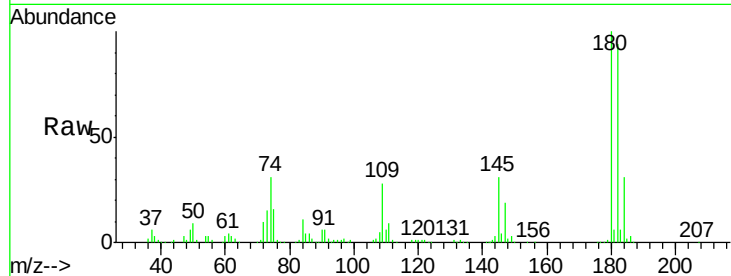
#93
1,2,4-Trichlorobenzene
Concen: 50.102 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVY030420

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.1	138.3
145	32.2	15.6	46.8

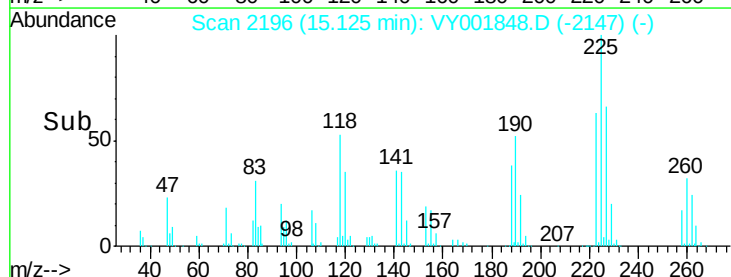
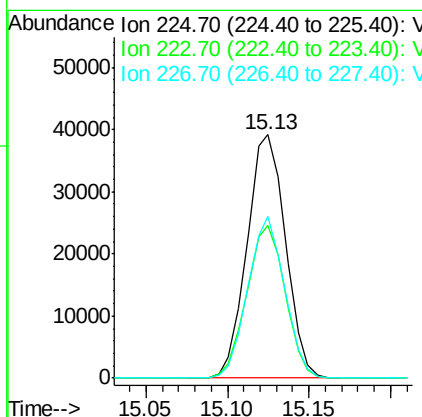
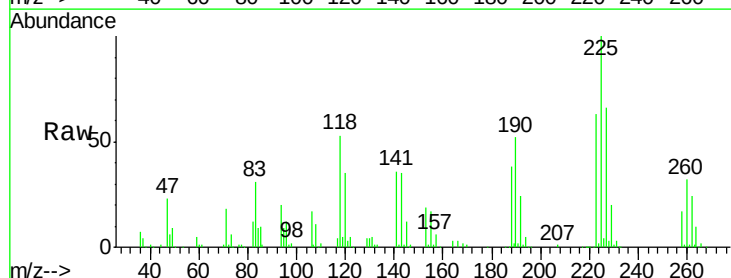
Manual Integrations
APPROVED

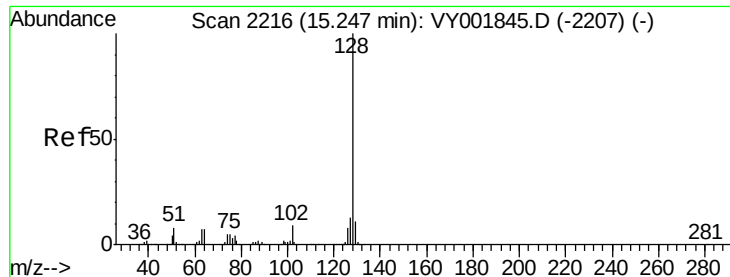
MMDadoda
3/5/2020 1:37:16 PM



#94
Hexachlorobutadiene
Concen: 49.398 ug/l
RT: 15.13 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VY001848.D
Acq: 04 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.5	94.5
227	63.3	31.9	95.5





#95

Naphthalene

Concen: 52.170 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Instrument :

MSVOA_Y

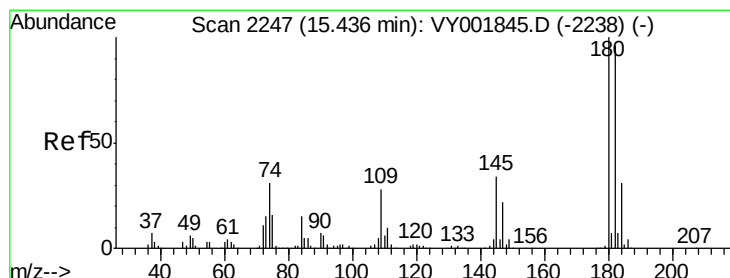
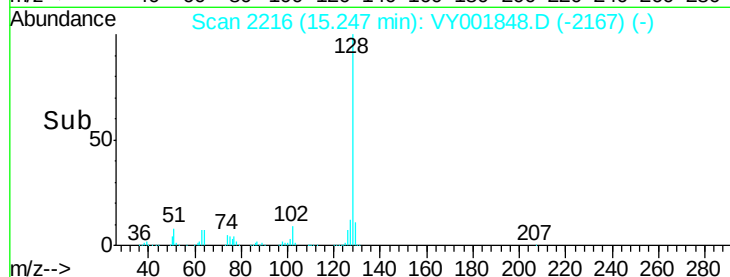
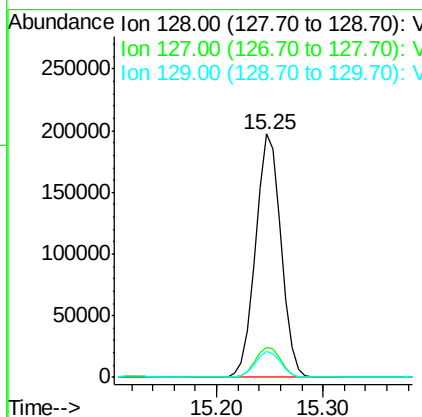
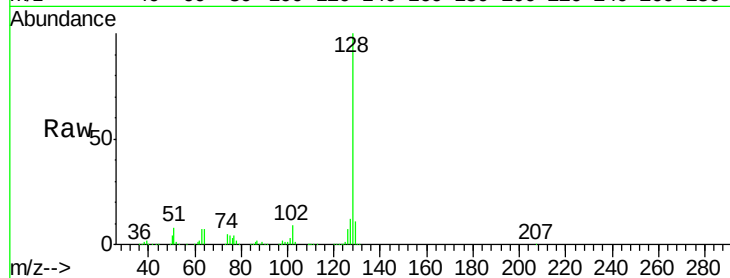
ClientSampleId :

ICVY030420

Tot Ion:	128	Resp:	330574
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.131 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY001848.D

Acq: 04 Mar 2020 12:51

Tgt Ion:	180	Resp:	117976
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.6	142.9
145	33.6	16.8	50.3

