

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002122.D
 Acq On : 31 Mar 2020 10:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2020 7:29:14 PM

Quant Time: Mar 31 15:05:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	166728	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	296363	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	264122	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	119260	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	89203	48.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.75	113	86160	51.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.20	98	358468	51.96	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.50	95	123027	50.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	49910	45.981	ug/l	94
3) Chloromethane	2.13	50	87381	44.847	ug/l	98
4) Vinyl Chloride	2.27	62	90369	45.603	ug/l	100
5) Bromomethane	2.68	94	62879	48.622	ug/l	98
6) Chloroethane	2.82	64	59920	47.091	ug/l	100
7) Trichlorofluoromethane	3.16	101	130448	48.037	ug/l	98
8) Diethyl Ether	3.56	74	52998	46.078	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.94	101	86219	48.393	ug/l	99
10) Methyl Iodide	4.13	142	101335	47.833	ug/l	98
11) Tert butyl alcohol	5.00	59	46804	215.486	ug/l	96
12) 1,1-Dichloroethene	3.91	96	87111	48.151	ug/l	99
13) Acrolein	3.77	56	77442	285.269	ug/l	99
14) Allyl chloride	4.52	41	159408	48.132	ug/l	99
15) Acrylonitrile	5.21	53	132896	220.446	ug/l	100
16) Acetone	3.99	43	125543	242.442	ug/l	97
17) Carbon Disulfide	4.23	76	288630	48.074	ug/l	99
18) Methyl Acetate	4.52	43	56153	41.760	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	234390	46.442	ug/l	97
20) Methylene Chloride	4.76	84	101107	46.836	ug/l	95
21) trans-1,2-Dichloroethene	5.27	96	100396	48.739	ug/l	98
22) Diisopropyl ether	6.16	45	320098	47.227	ug/l	96
23) Vinyl Acetate	6.10	43	1018683	229.204	ug/l	98
24) 1,1-Dichloroethane	6.06	63	175974	48.831	ug/l	99
25) 2-Butanone	7.02	43	178447	224.427	ug/l	99
26) 2,2-Dichloropropane	7.02	77	149091	50.233	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	111626	49.258	ug/l	100
28) Bromochloromethane	7.37	49	80066	48.666	ug/l	97
29) Tetrahydrofuran	7.38	42	109287	209.638	ug/l	99
30) Chloroform	7.54	83	166085	48.623	ug/l	99
31) Cyclohexane	7.82	56	175585	45.726	ug/l	99
32) 1,1,1-Trichloroethane	7.74	97	142180	49.854	ug/l	98
36) 1,1-Dichloropropene	7.95	75	138674	49.470	ug/l	99
37) Ethyl Acetate	7.11	43	74196	43.800	ug/l	99
38) Carbon Tetrachloride	7.93	117	123331	51.857	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	183208	49.826	ug/l	99
40) Benzene	8.19	78	414919	49.970	ug/l	99
41) Methacrylonitrile	7.36	41	47217m	55.105	ug/l	
42) 1,2-Dichloroethane	8.27	62	105894	48.036	ug/l	100
43) Isopropyl Acetate	8.30	43	141558	45.024	ug/l	99
44) Trichloroethene	8.97	130	100773	50.348	ug/l	95
45) 1,2-Dichloropropane	9.24	63	106167	50.216	ug/l	98
46) Dibromomethane	9.33	93	52545	48.394	ug/l	98
47) Bromodichloromethane	9.52	83	127844	50.579	ug/l	98
48) Methyl methacrylate	9.32	41	64759	45.962	ug/l	99
49) 1,4-Dioxane	9.32	88	12596	845.398	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	367901	227.247	ug/l	99
52) Toluene	10.27	92	255467	50.868	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	140643	50.132	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	167152	50.605	ug/l	98
55) 1,1,2-Trichloroethane	10.67	97	76841	47.817	ug/l	97
56) Ethyl methacrylate	10.53	69	110742	47.182	ug/l	98
57) 1,3-Dichloropropane	10.81	76	137758	48.519	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	285882	237.039	ug/l	99
59) 2-Hexanone	10.85	43	260315	228.263	ug/l	99
60) Dibromochloromethane	11.00	129	85856	51.057	ug/l	100
61) 1,2-Dibromoethane	11.11	107	73153	48.635	ug/l	99
64) Tetrachloroethene	10.74	164	83066	51.404	ug/l	96
65) Chlorobenzene	11.53	112	260213	51.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	88577	51.931	ug/l	99
67) Ethyl Benzene	11.61	91	486449	51.372	ug/l	98
68) m/p-Xylenes	11.72	106	363438	103.808	ug/l	98
69) o-Xylene	12.05	106	171214	51.553	ug/l	98
70) Styrene	12.06	104	296438	51.510	ug/l	100
71) Bromoform	12.22	173	47906	51.280	ug/l #	99
73) Isopropylbenzene	12.35	105	462319	52.258	ug/l	100
74) N-amyl acetate	12.16	43	127668	45.756	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	91768	48.205	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	64131m	48.073	ug/l	
77) Bromobenzene	12.63	156	99065	52.456	ug/l	95
78) n-propylbenzene	12.69	91	564996	51.463	ug/l	100
79) 2-Chlorotoluene	12.77	91	311782	51.723	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	381432	52.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	33672	48.900	ug/l	98
82) 4-Chlorotoluene	12.87	91	325862	51.301	ug/l	99
83) tert-Butylbenzene	13.09	119	324391	53.244	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	377431	51.828	ug/l	98
85) sec-Butylbenzene	13.27	105	467126	51.765	ug/l	100
86) p-Isopropyltoluene	13.39	119	405220	52.291	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	189149	51.197	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	189627	51.006	ug/l	99
89) n-Butylbenzene	13.71	91	411798	51.002	ug/l	100
90) Hexachloroethane	13.98	117	77627	53.161	ug/l	99
91) 1,2-Dichlorobenzene	13.76	146	169554	49.696	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	13079	42.890	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.03	180	104344	47.449	ug/l	99
94) Hexachlorobutadiene	15.13	225	52164	48.055	ug/l	97
95) Naphthalene	15.25	128	232538	44.521	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	90544	45.404	ug/l	97

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

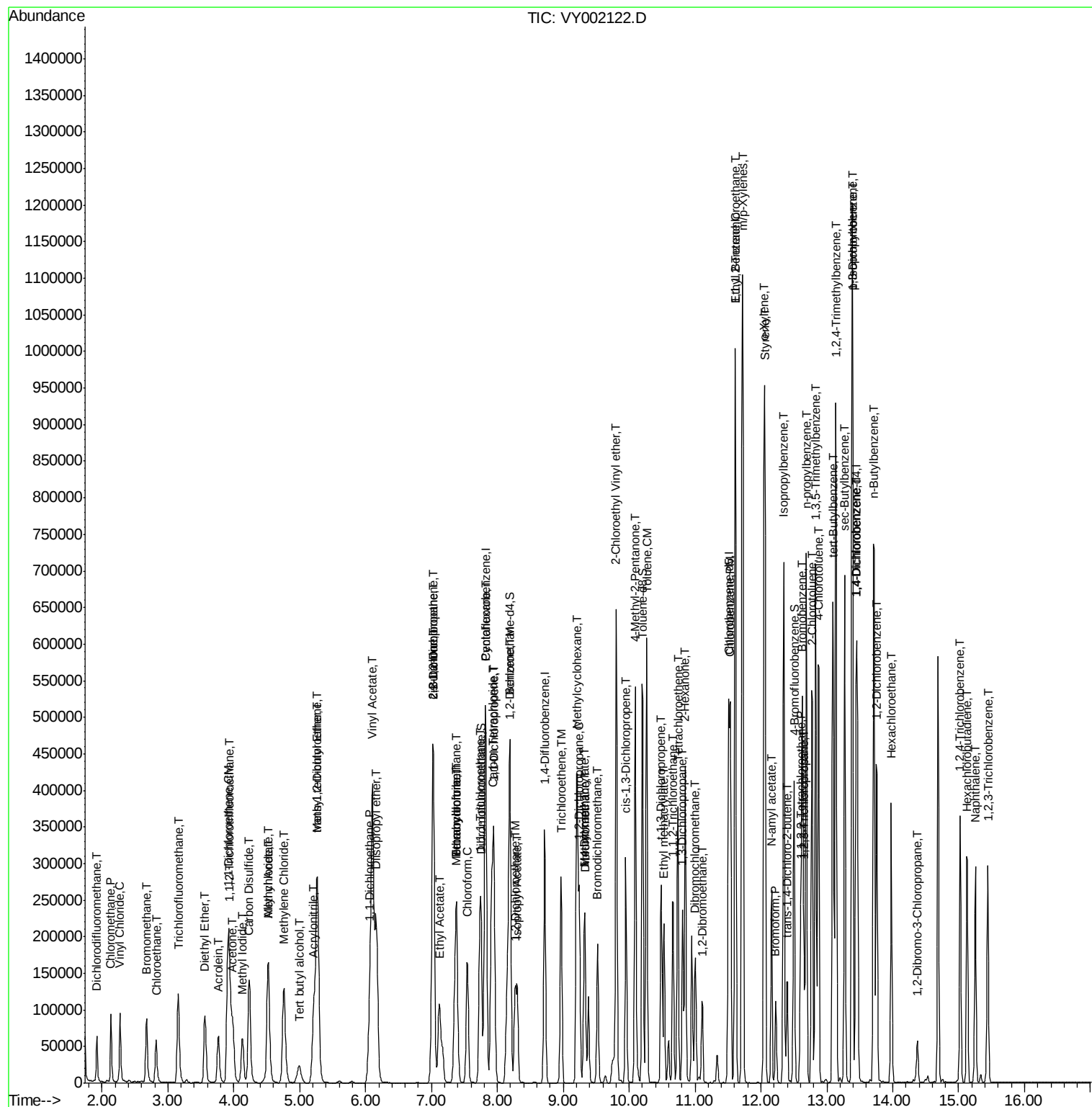
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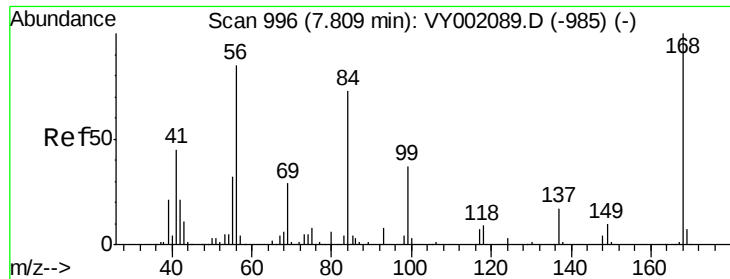
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 166728

Ion Ratio Lower Upper

168 100

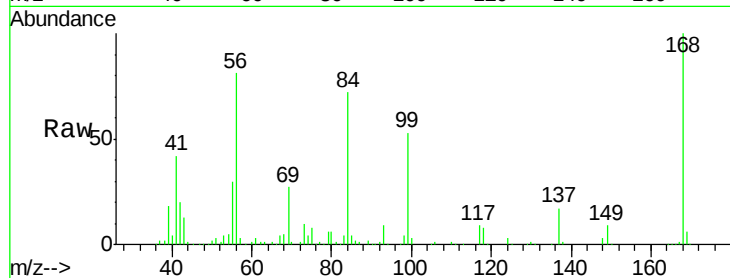
99 53.3 47.6 71.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002122.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002122.D (-947) (-)

7.83

80000

60000

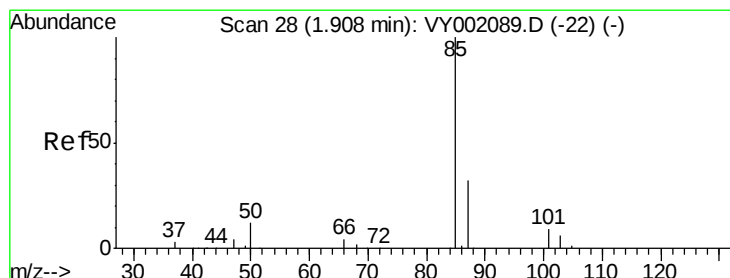
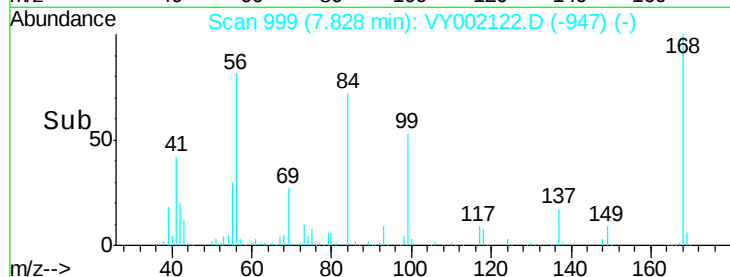
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 45.981 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002122.D

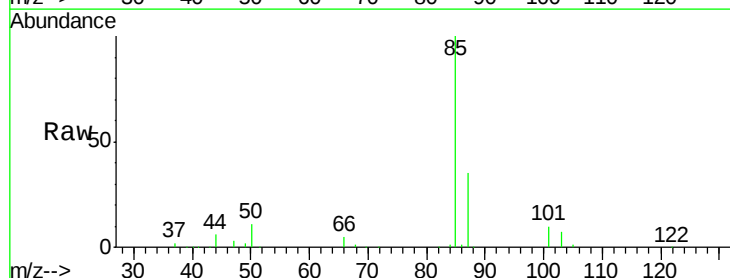
Acq: 31 Mar 2020 10:39

Tgt Ion: 85 Resp: 49910

Ion Ratio Lower Upper

85 100

87 35.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002122.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002122.D (-1) (-)

1.92

40000

30000

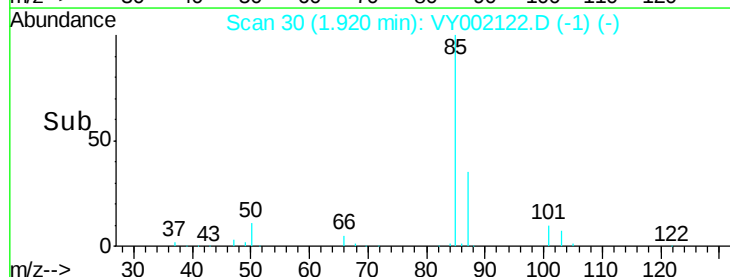
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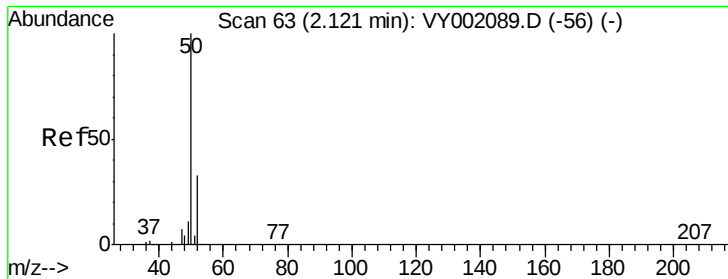
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.847 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Tot Ion: 50 Resp: 87381

Ion Ratio Lower Upper

50 100

52 31.7 26.1 39.1

Instrument :

MSVOA_Y

ClientSampleId :

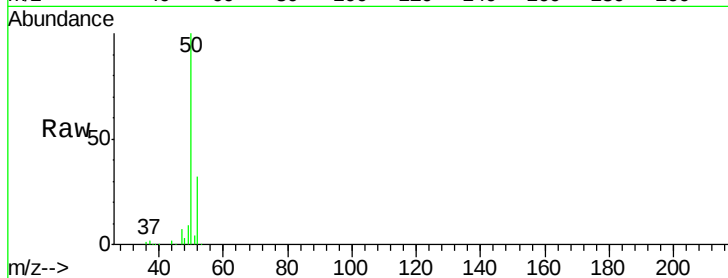
VSTDCCC050

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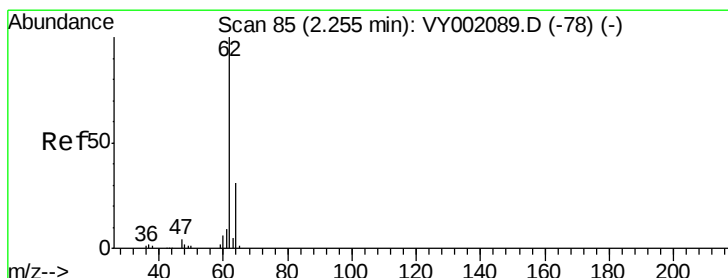
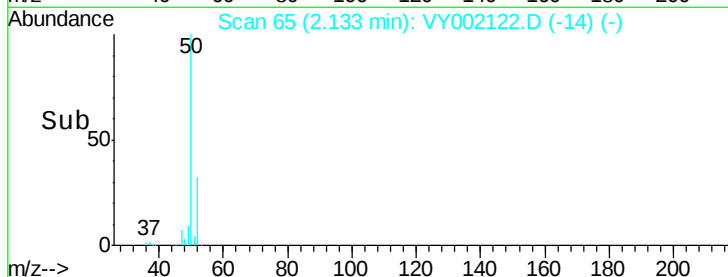
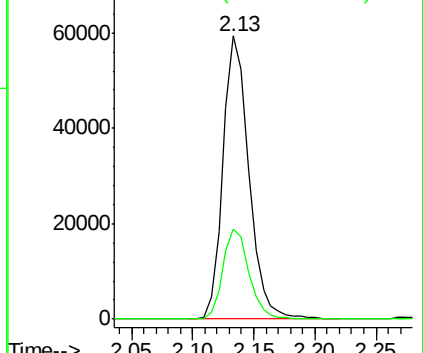
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 45.603 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.02 min

Lab File: VY002122.D

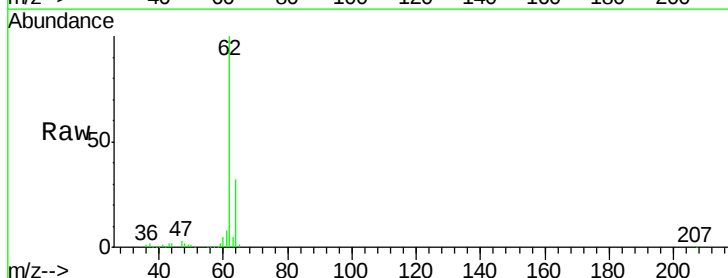
Acq: 31 Mar 2020 10:39

Tgt Ion: 62 Resp: 90369

Ion Ratio Lower Upper

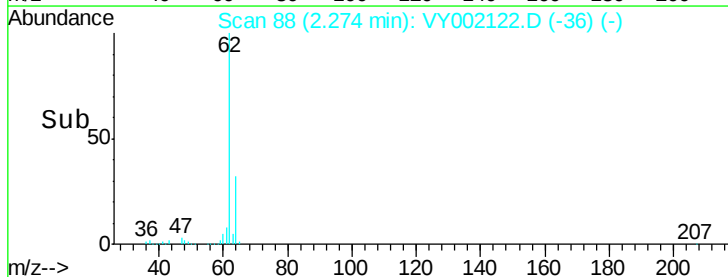
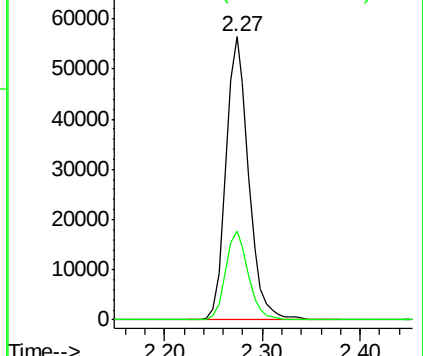
62 100

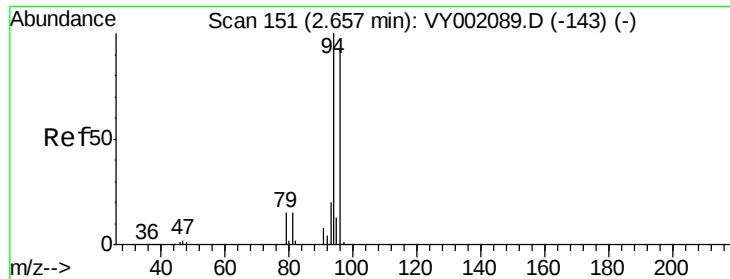
64 31.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 48.622 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

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MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 62879

Ion Ratio Lower Upper

94 100

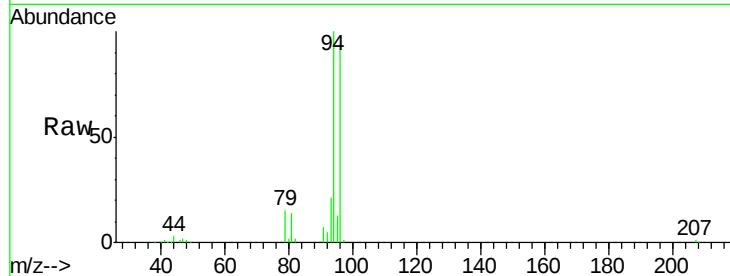
96 94.4 74.1 111.1

Manual Integrations

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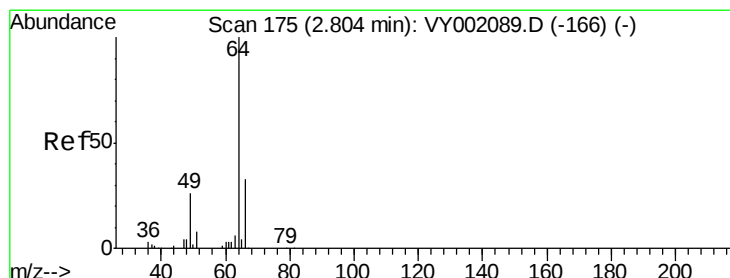
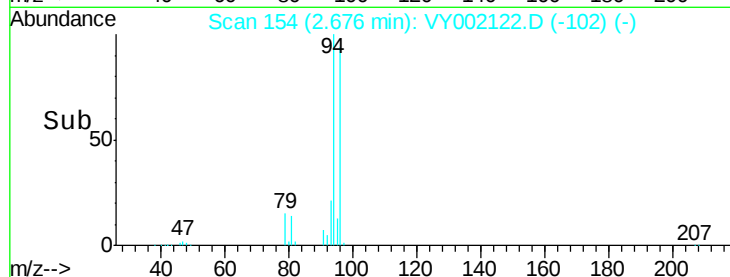
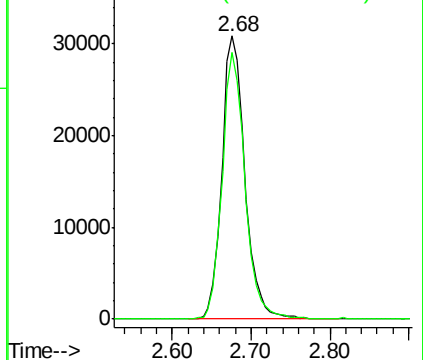
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 47.091 ug/l

RT: 2.82 min Scan# 178

Delta R.T. 0.02 min

Lab File: VY002122.D

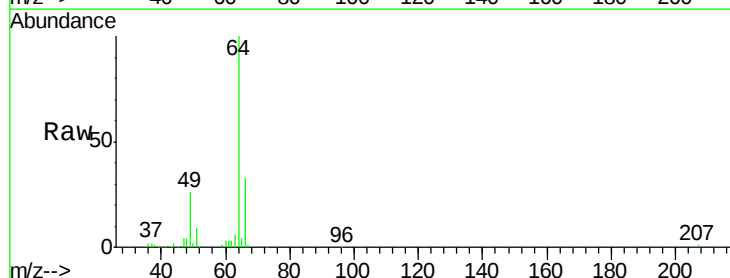
Acq: 31 Mar 2020 10:39

Tgt Ion: 64 Resp: 59920

Ion Ratio Lower Upper

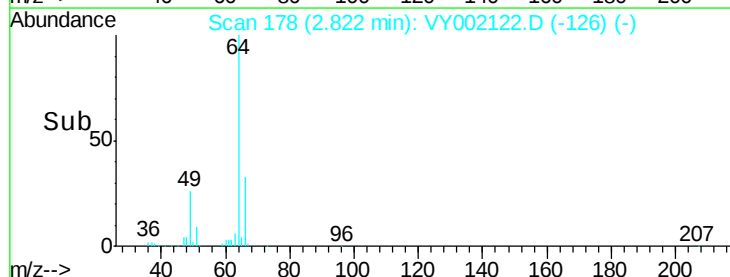
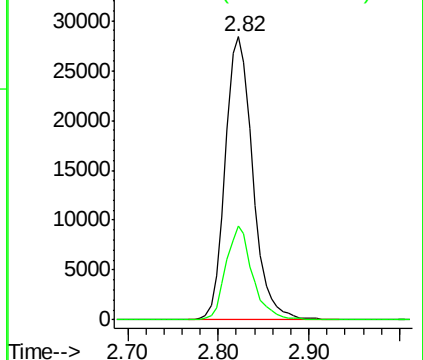
64 100

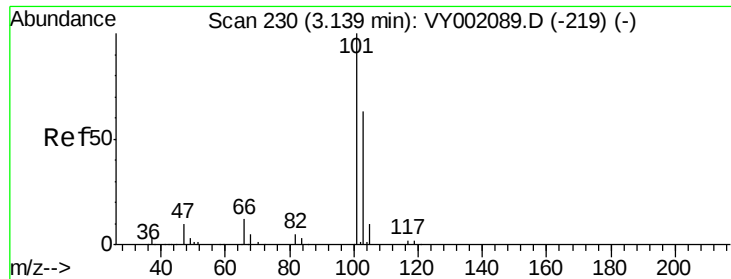
66 33.1 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

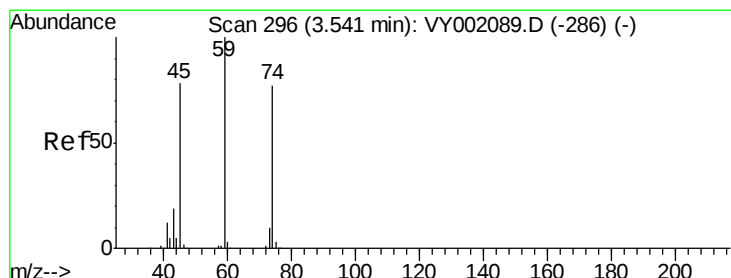
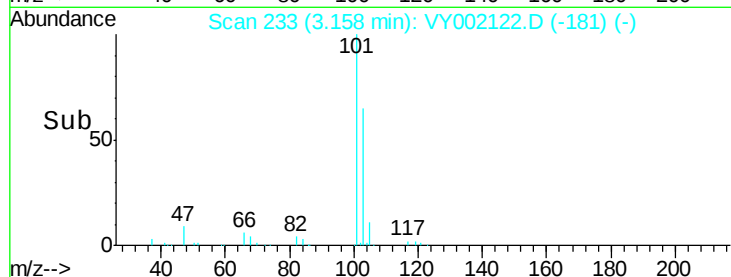
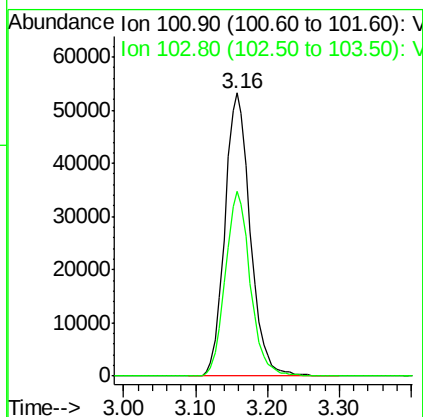
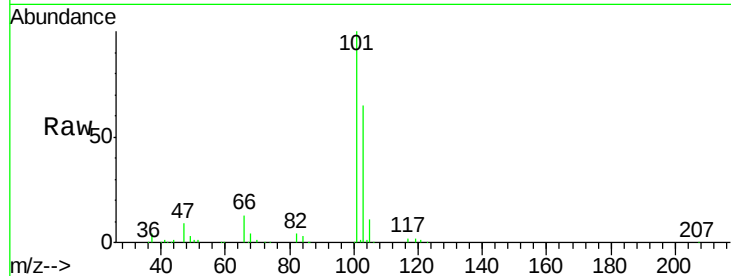
Trichlorofluoromethane
 Concen: 48.037 ug/l
 RT: 3.16 min Scan# 233
 Delta R.T. 0.02 min
 Lab File: VY002122.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.6	76.0

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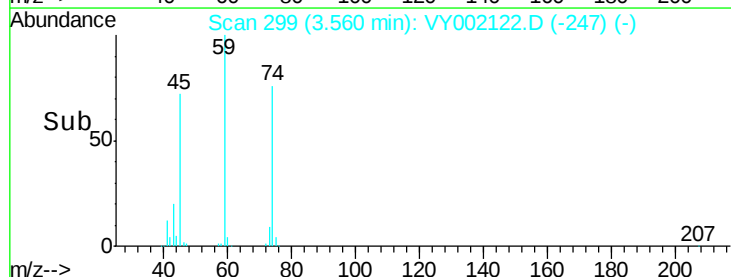
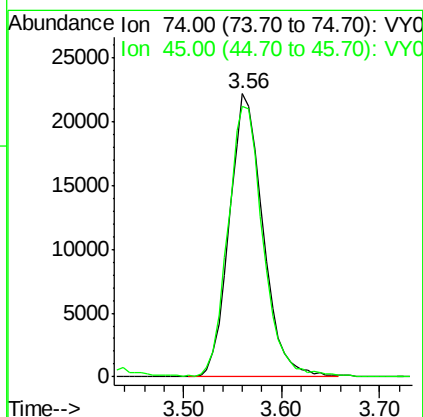
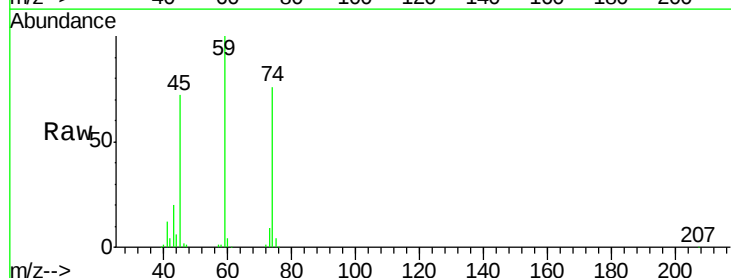
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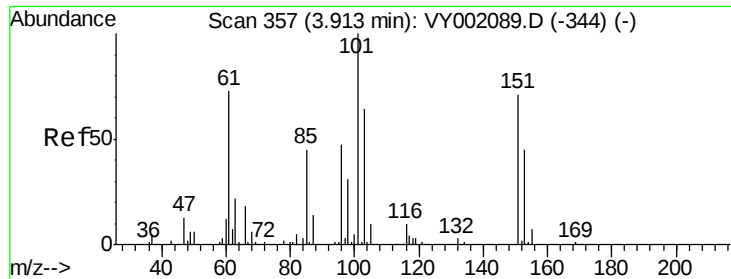


#8

Diethyl Ether
 Concen: 46.078 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.02 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.393 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

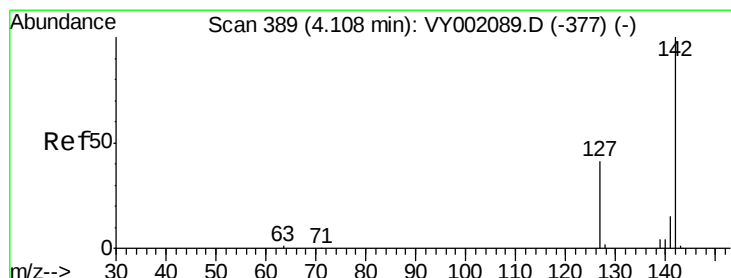
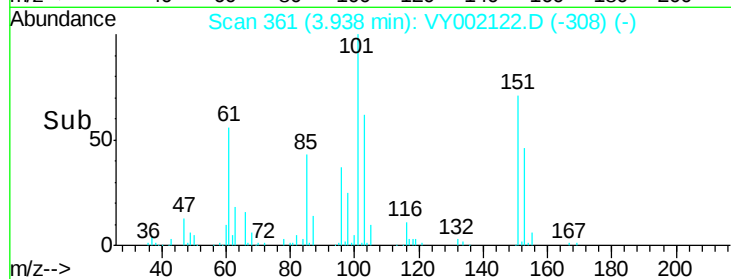
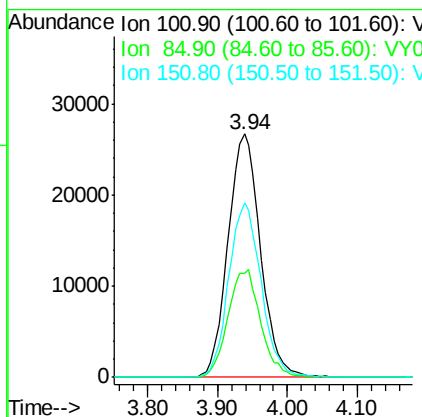
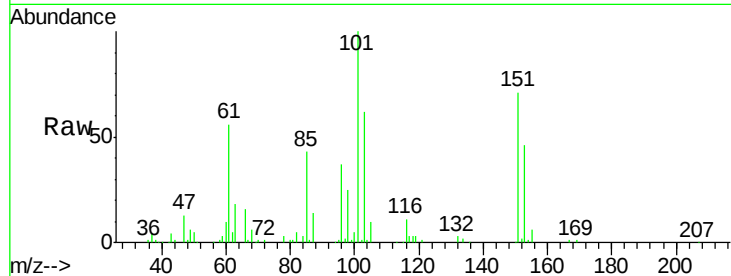
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	86219
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.9	53.9
151	71.5	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 47.833 ug/l

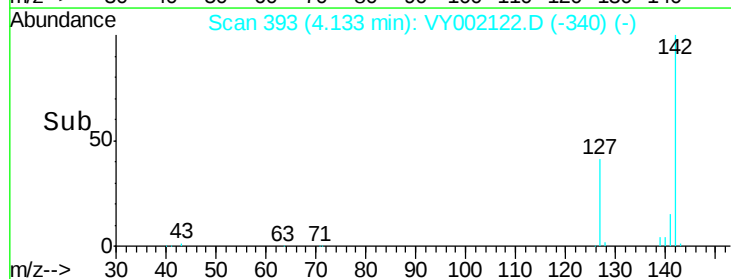
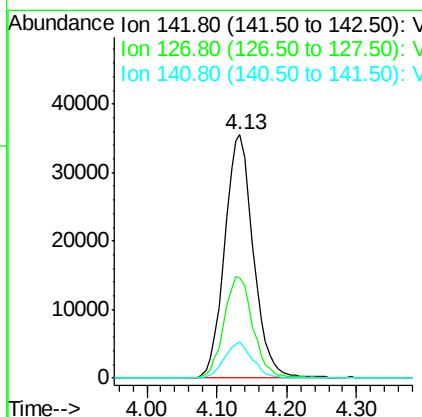
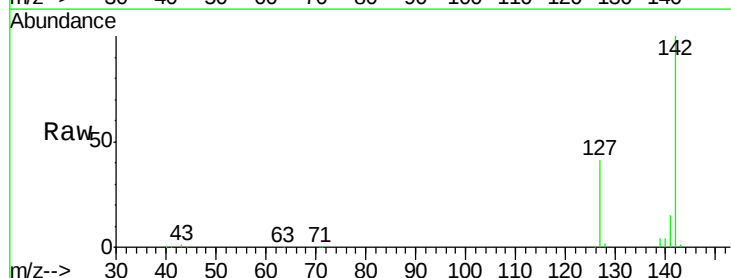
RT: 4.13 min Scan# 393

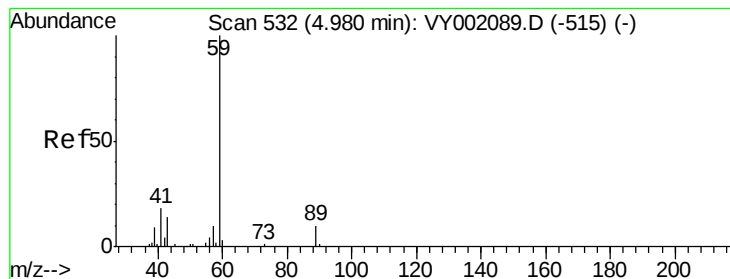
Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Tgt Ion:	142	Resp:	101335
Ion Ratio	Lower	Upper	
142	100		
127	42.2	32.6	49.0
141	14.3	11.4	17.0





#11

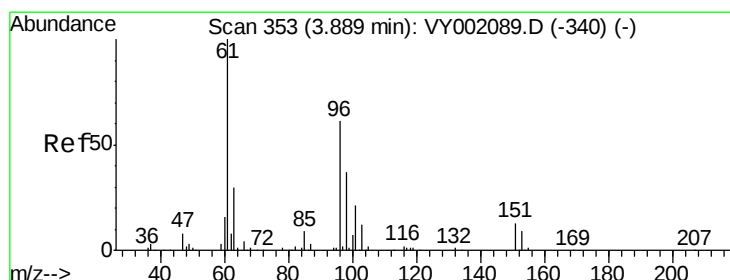
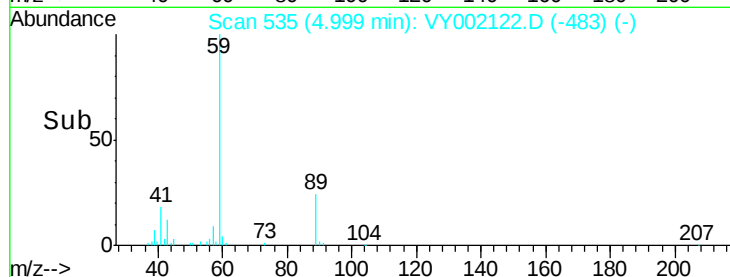
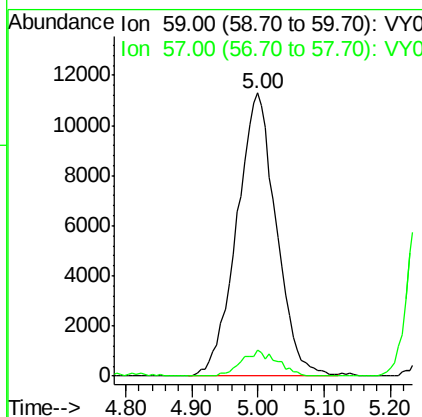
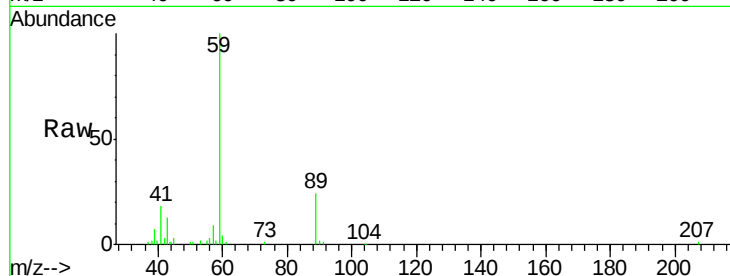
Tert butyl alcohol
 Concen: 215.486 ug/l
 RT: 5.00 min Scan# 535
 Delta R.T. 0.02 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	46804
Ion Ratio	100	Lower	Upper
57	8.2	7.7	11.5

Manual Integrations
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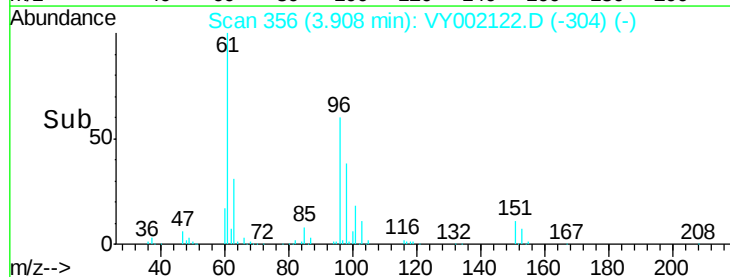
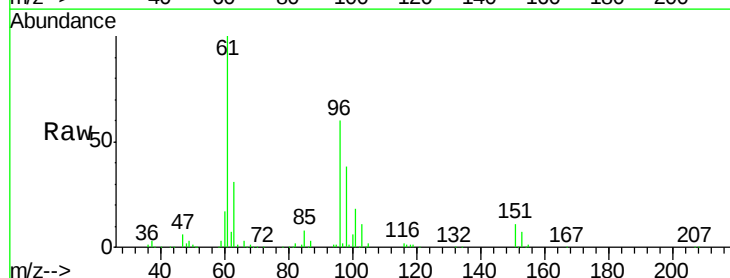
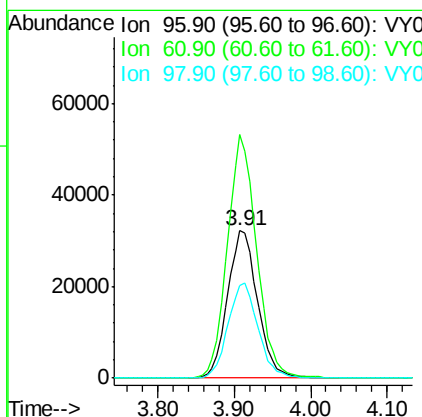
MMDadoda
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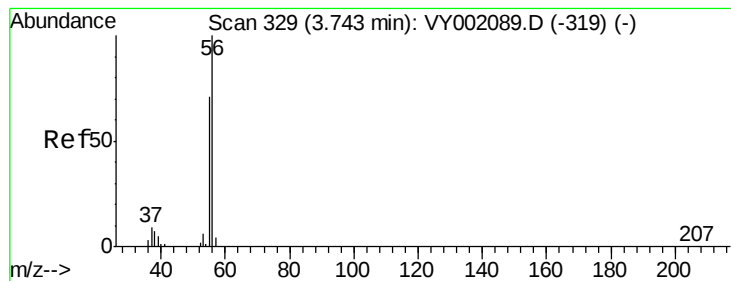


#12

1,1-Dichloroethene
 Concen: 48.151 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.02 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Tgt Ion	96	Resp	87111
Ion Ratio	100	Lower	Upper
61	165.6	132.0	198.0
98	63.3	49.4	74.0





#13

Acrolein

Concen: 285.269 ug/l

RT: 3.77 min Scan# 333

Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 77442

Ion Ratio Lower Upper

56 100

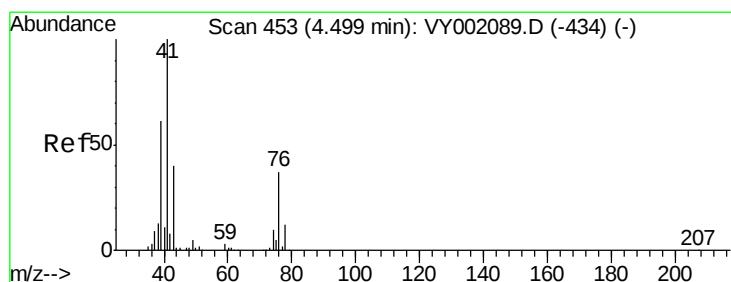
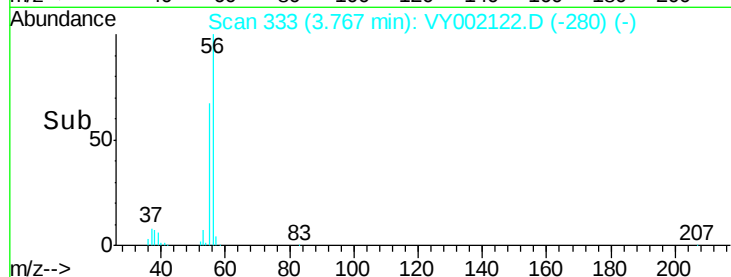
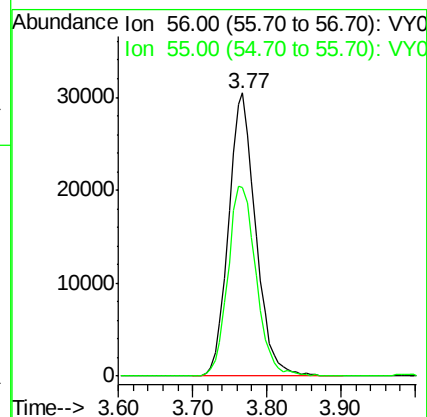
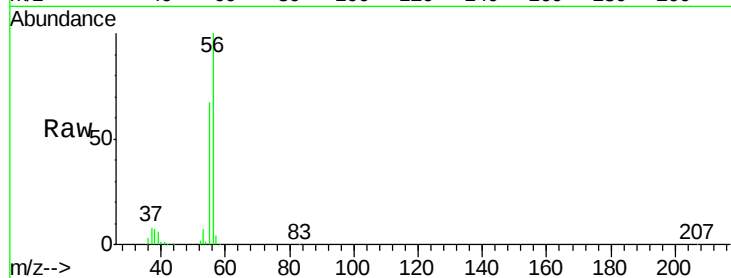
55 70.1 56.5 84.7

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 48.132 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

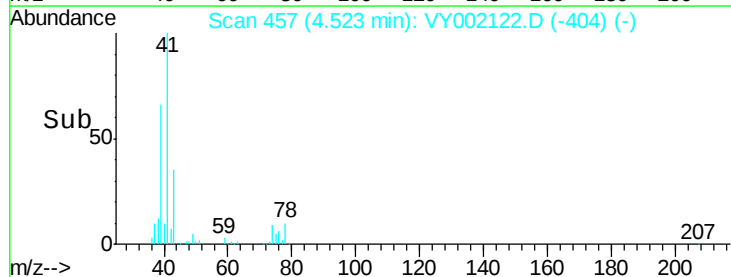
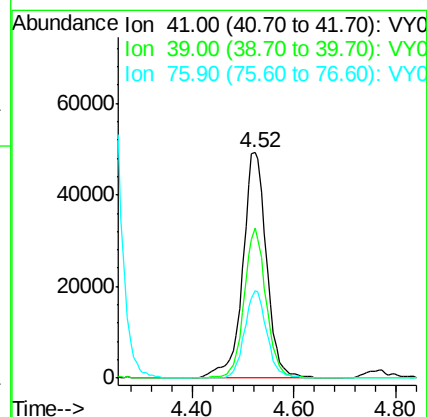
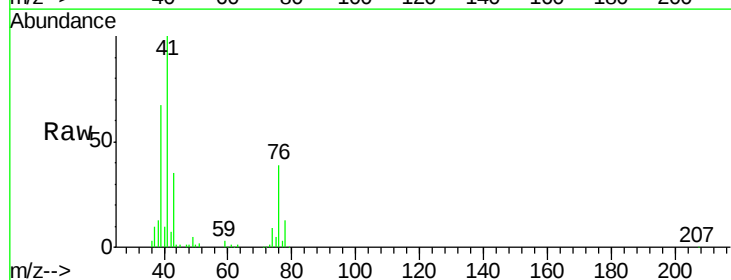
Tgt Ion: 41 Resp: 159408

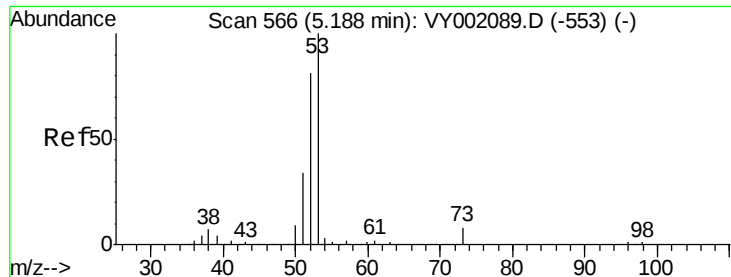
Ion Ratio Lower Upper

41 100

39 61.5 49.0 73.4

76 36.1 27.8 41.8





#15

Acrylonitrile

Concen: 220.446 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

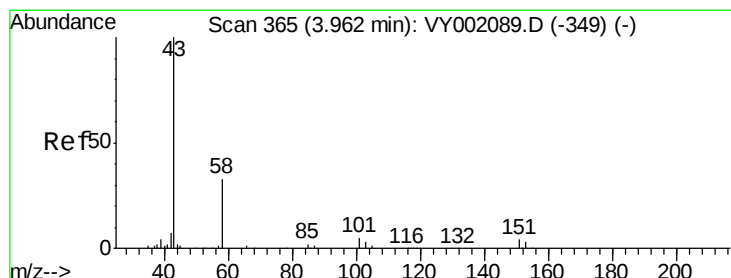
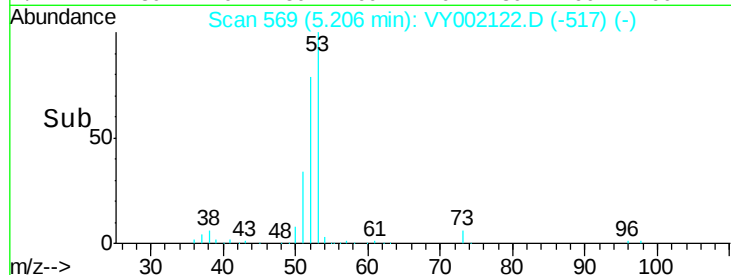
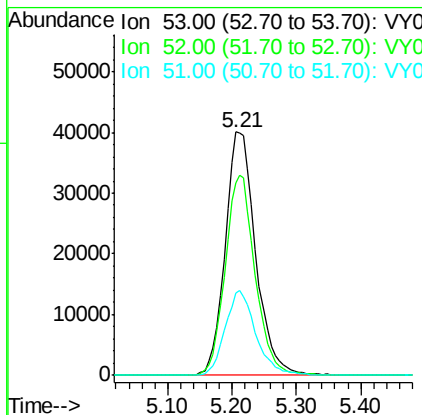
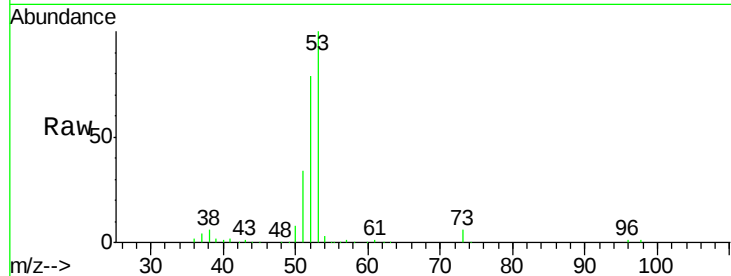
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	132896
Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.6	97.0
51	35.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 242.442 ug/l

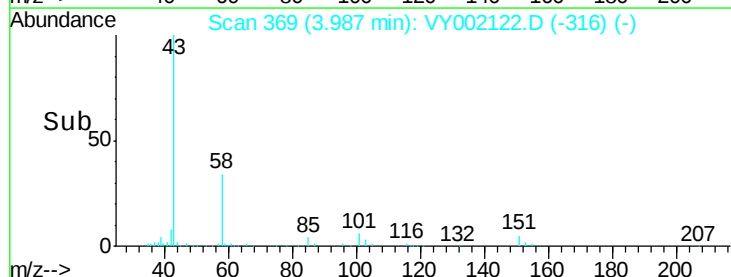
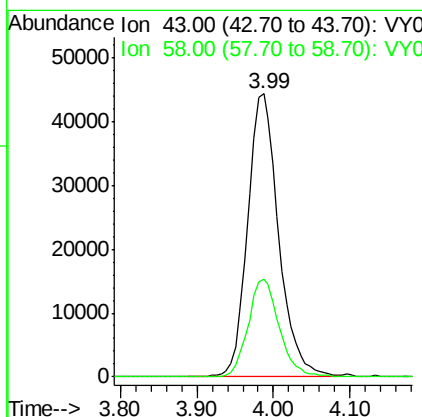
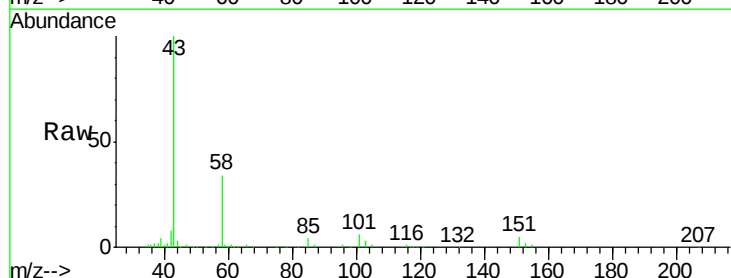
RT: 3.99 min Scan# 369

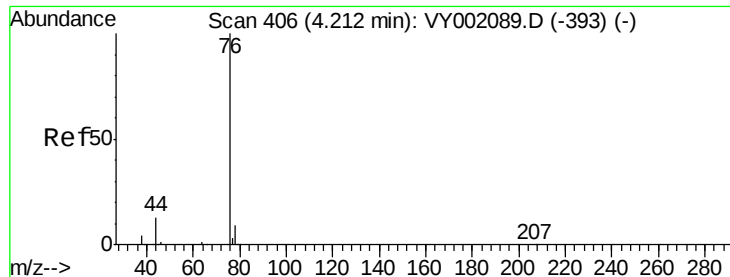
Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Tgt Ion:	43	Resp:	125543
Ion	Ratio	Lower	Upper
43	100		
58	34.5	26.3	39.5





#17

Carbon Disulfide

Concen: 48.074 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 288630

Ion Ratio Lower Upper

76 100

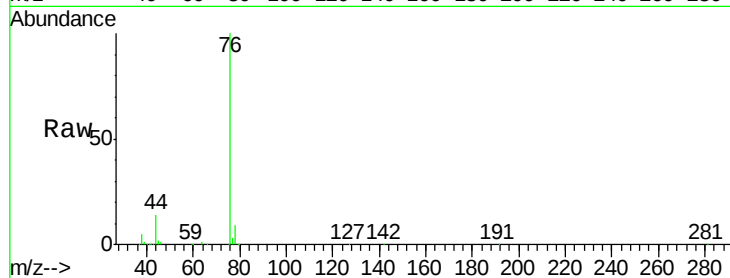
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

120000

100000

80000

60000

40000

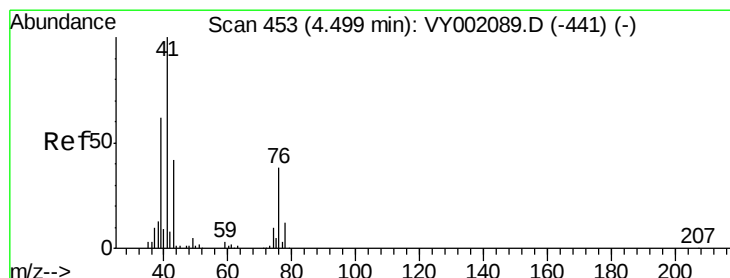
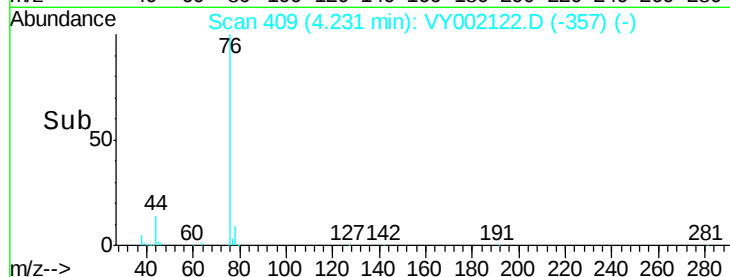
20000

0

4.23

4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 41.760 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.02 min

Lab File: VY002122.D

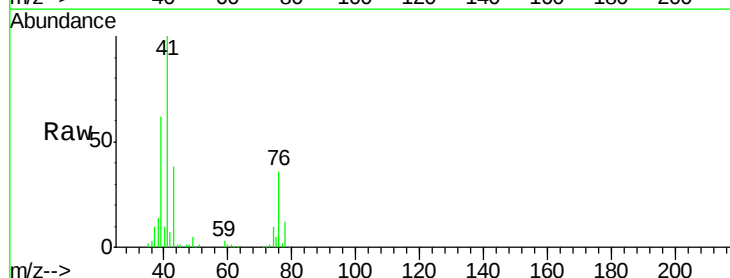
Acq: 31 Mar 2020 10:39

Tgt Ion: 43 Resp: 56153

Ion Ratio Lower Upper

43 100

74 24.0 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

20000

15000

10000

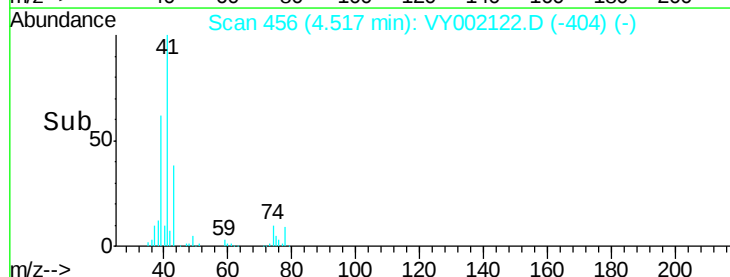
5000

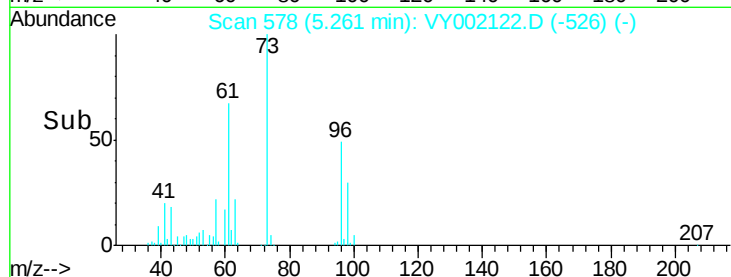
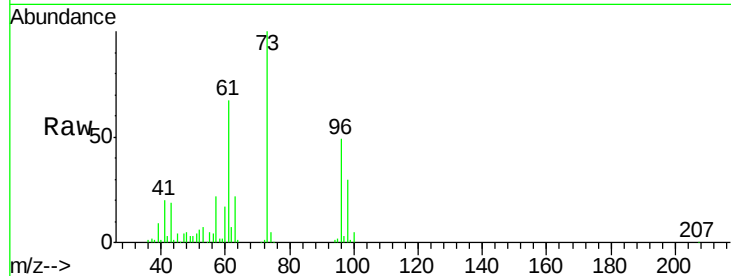
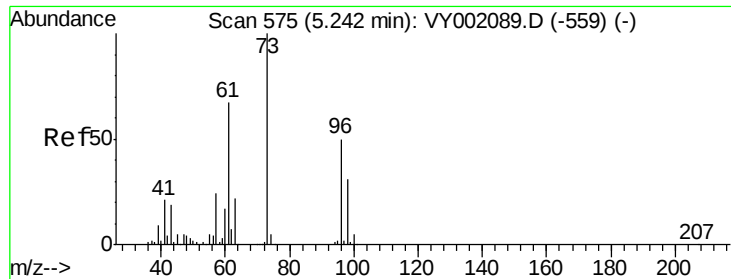
0

4.52

4.40 4.50 4.60 4.70

Time-->





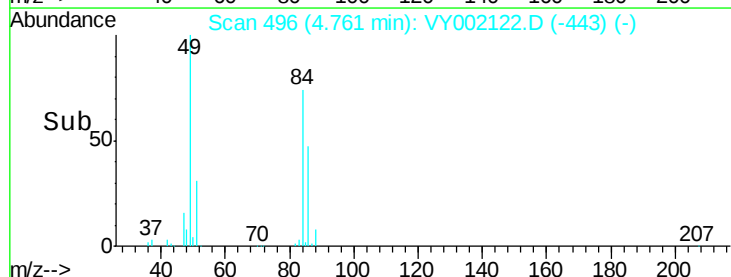
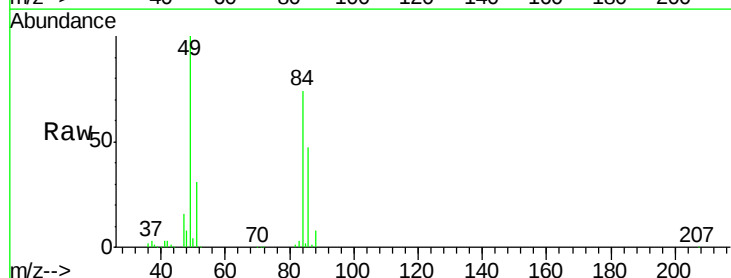
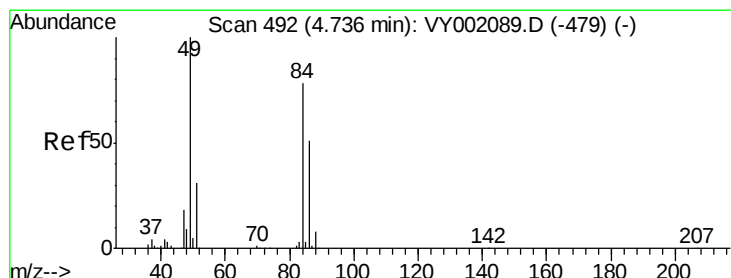
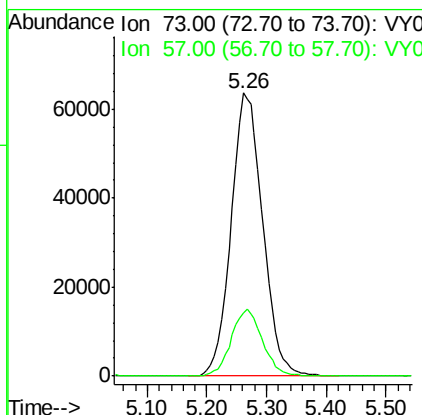
#19
Methyl tert-butyl Ether
Concen: 46.442 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.02 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

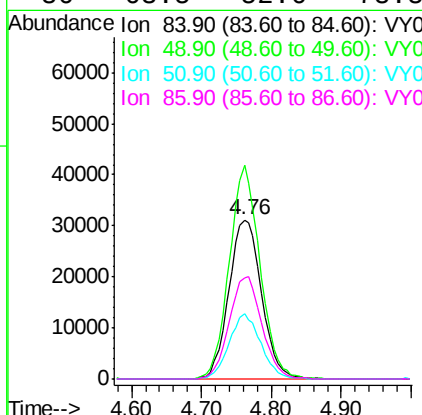
Manual Integrations
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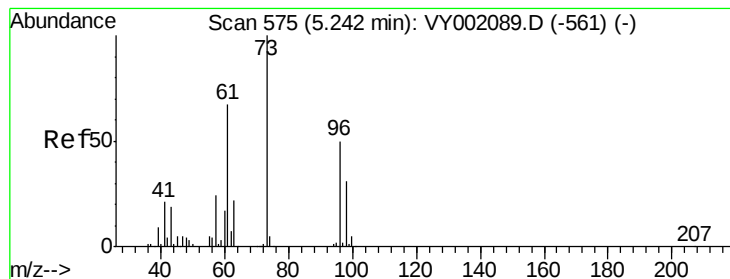
MMDadoda
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#20
Methylene Chloride
Concen: 46.836 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.03 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.5	102.2	153.4
51	41.1	31.2	46.8
86	63.5	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 48.739 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

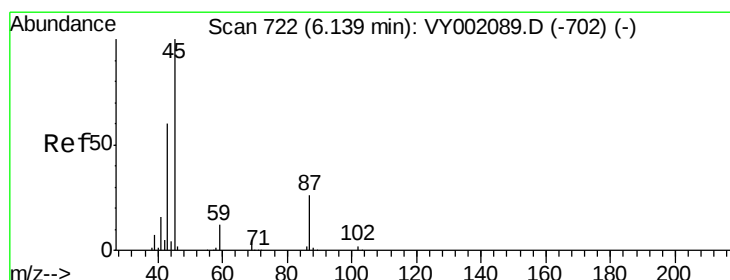
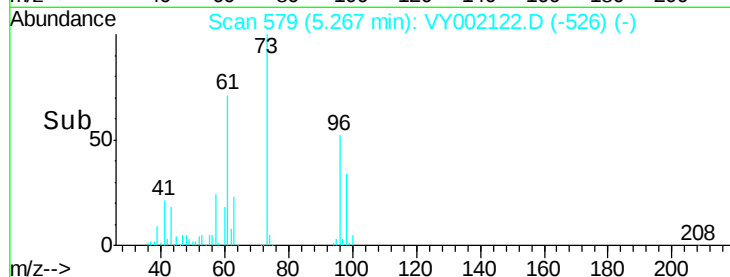
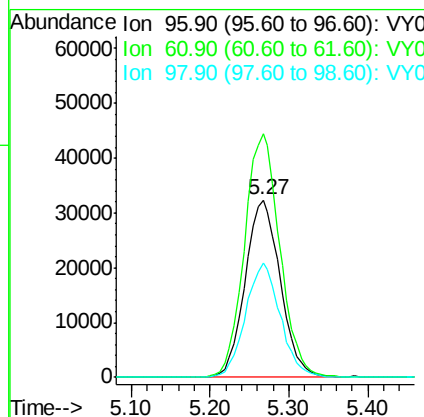
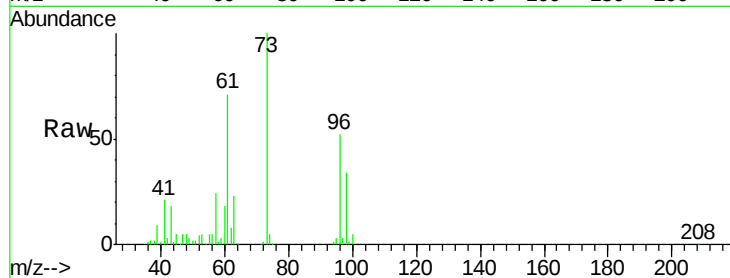
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	100396
Ion	Ratio	Lower	Upper
96	100		
61	137.4	107.7	161.5
98	64.9	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.227 ug/l

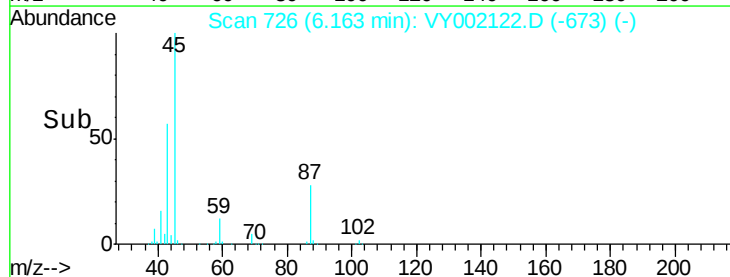
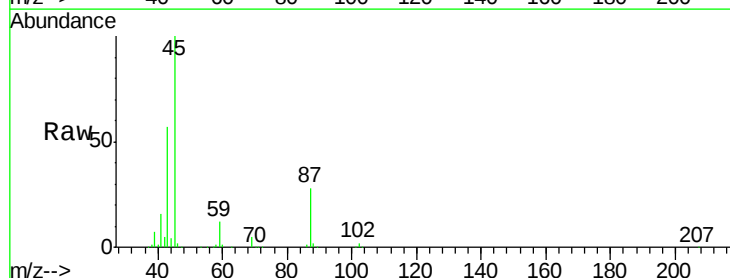
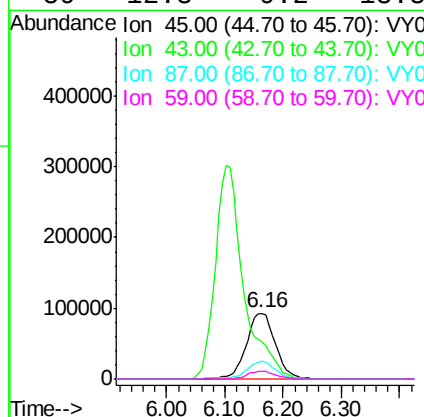
RT: 6.16 min Scan# 726

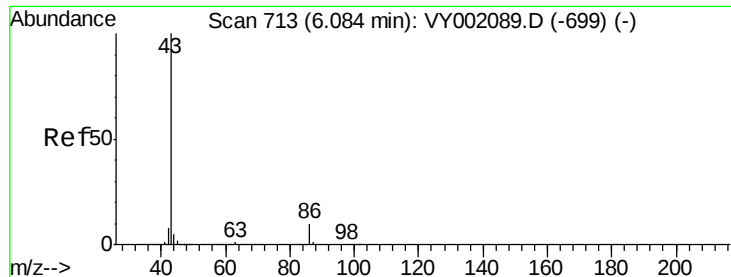
Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Tgt Ion:	45	Resp:	320098
Ion	Ratio	Lower	Upper
45	100		
43	56.9	48.1	72.1
87	27.8	21.1	31.7
59	12.3	9.2	13.8





#23

Vinyl Acetate

Concen: 229.204 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1018683

Ion Ratio Lower Upper

43 100

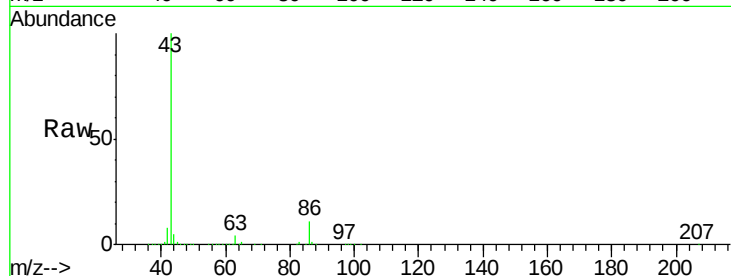
86 10.7 7.9 11.9

Manual Integrations

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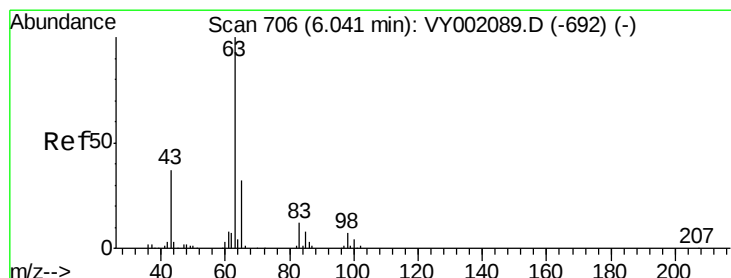
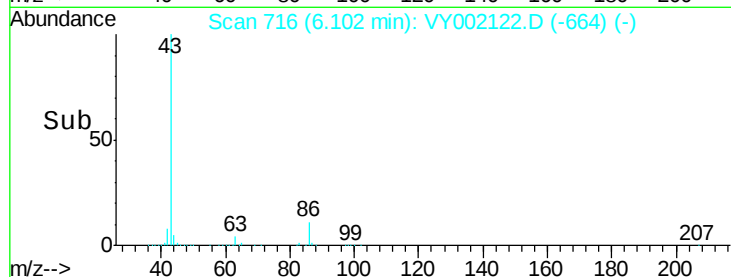
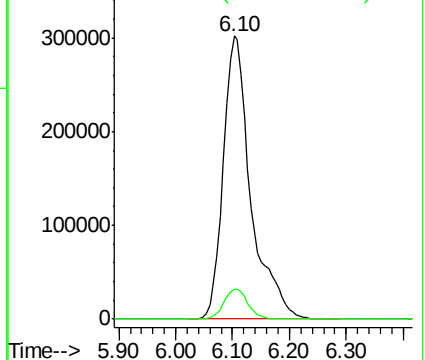
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 48.831 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.02 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

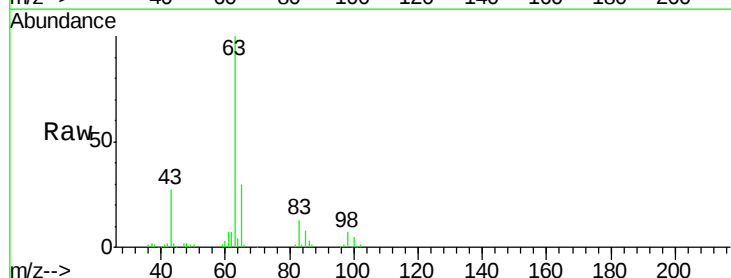
Tgt Ion: 63 Resp: 175974

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

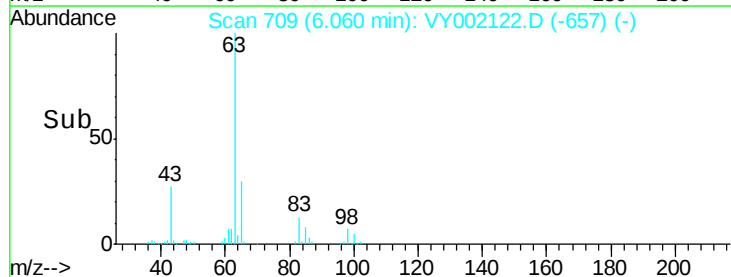
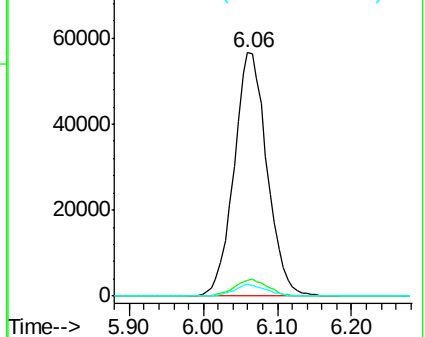
100 4.8 1.8 5.5

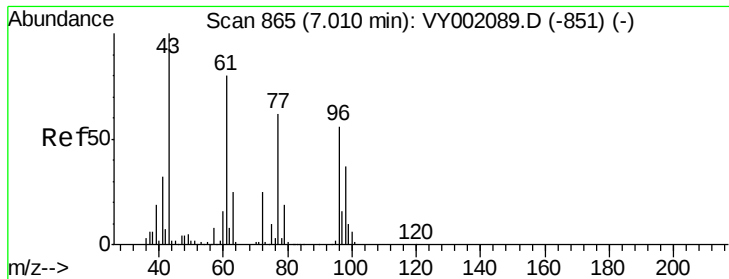


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 224.427 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 178447

Ion Ratio Lower Upper

43 100

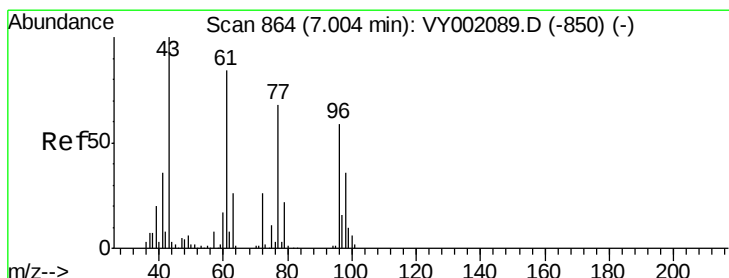
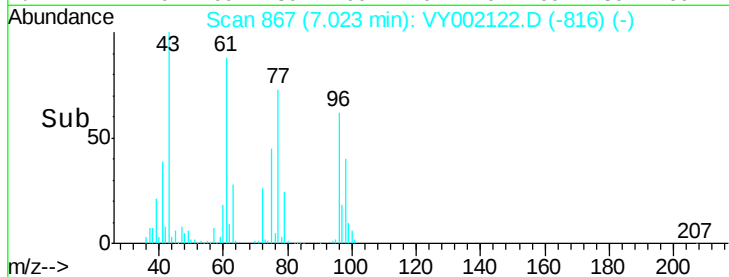
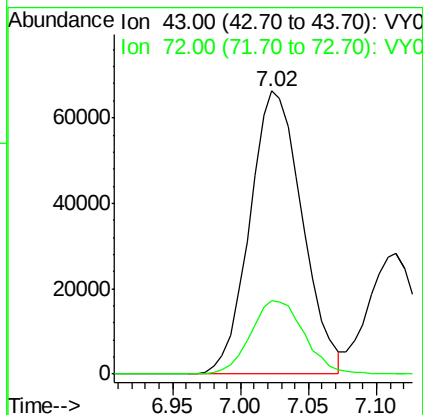
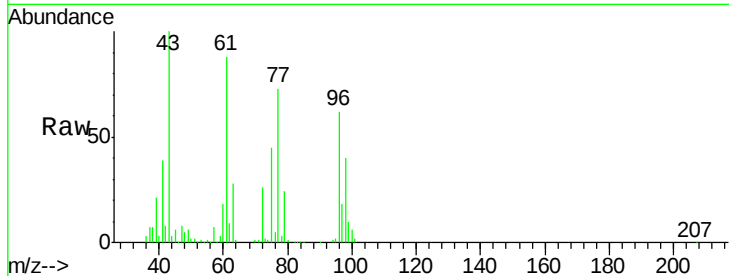
72 25.8 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 50.233 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY002122.D

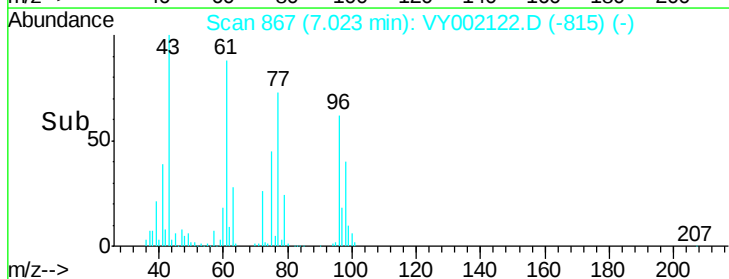
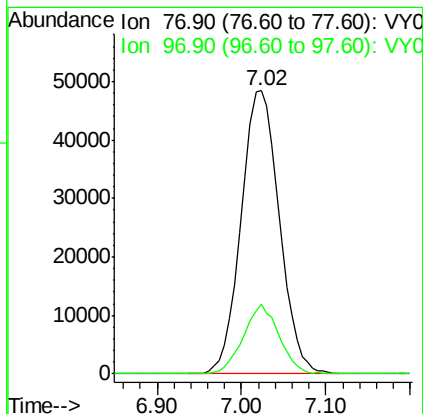
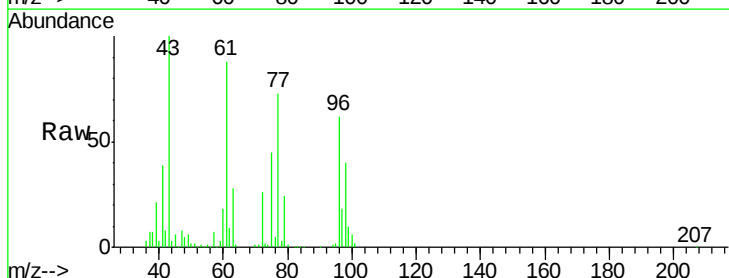
Acq: 31 Mar 2020 10:39

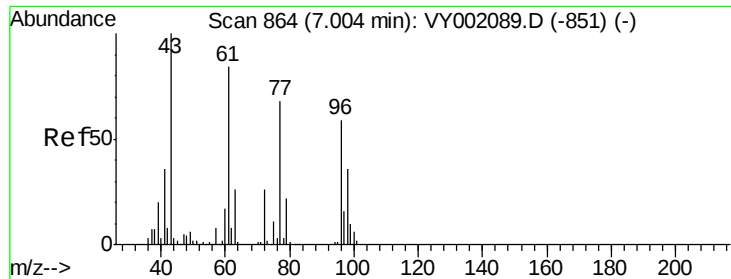
Tgt Ion: 77 Resp: 149091

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.1





#27

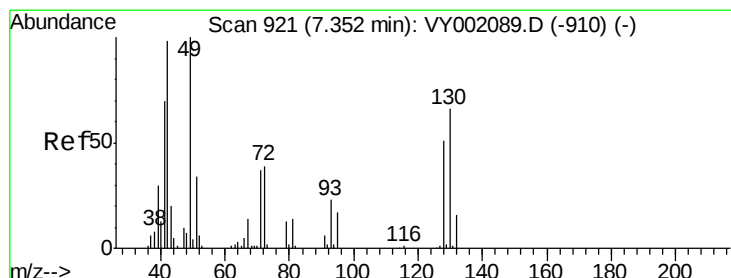
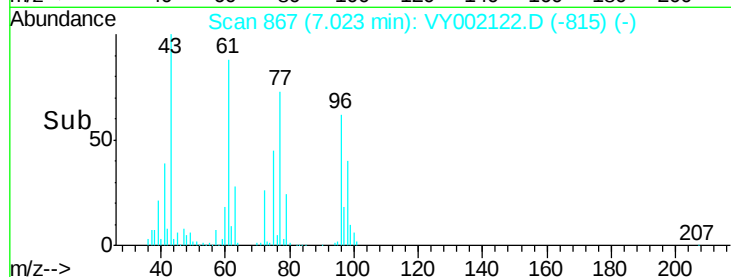
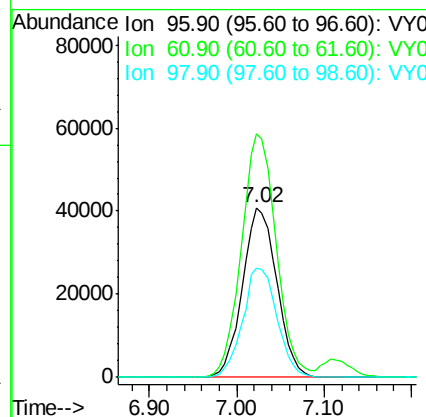
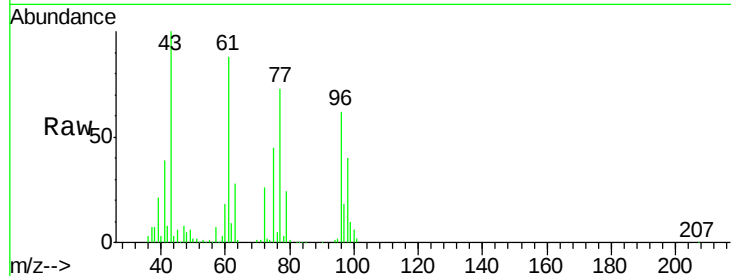
cis-1,2-Dichloroethene
Concen: 49.258 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.02 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.8	0.0	290.6	
98	64.6	0.0	128.0	

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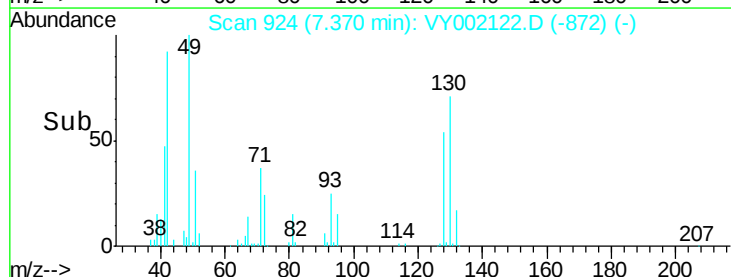
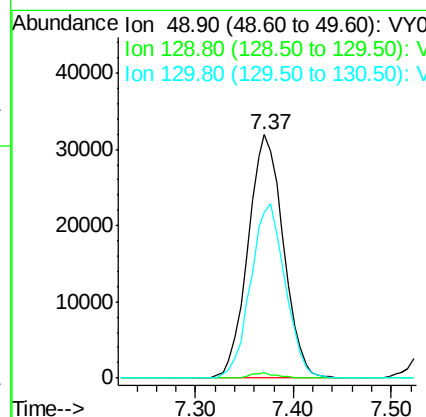
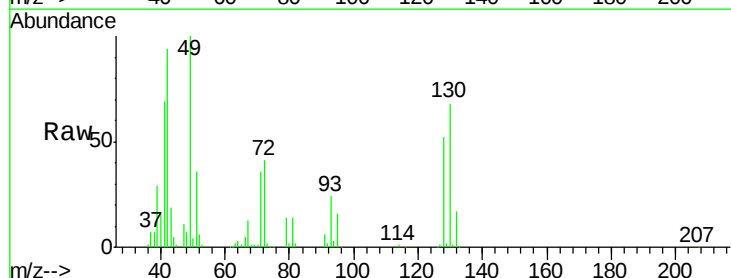
MMDadoda
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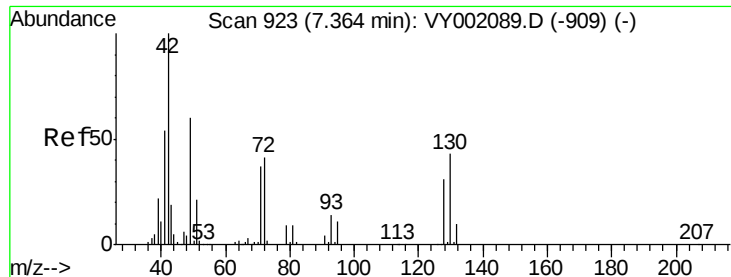


#28

Bromochloromethane
Concen: 48.666 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	70.2	54.1	81.1	





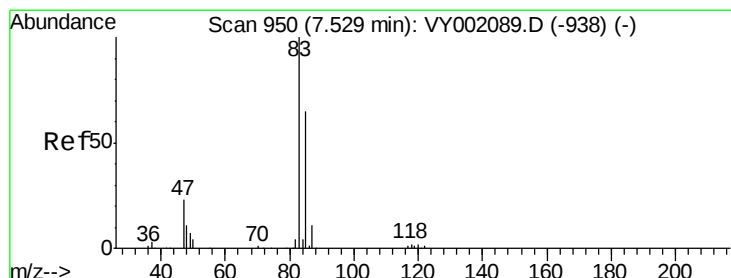
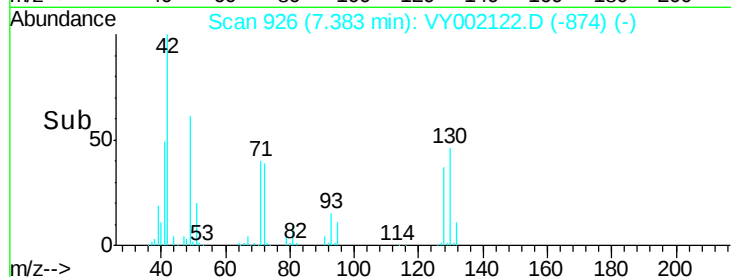
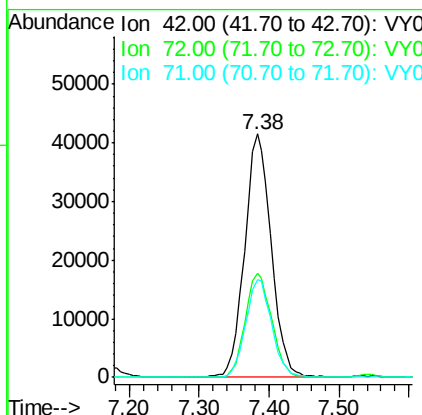
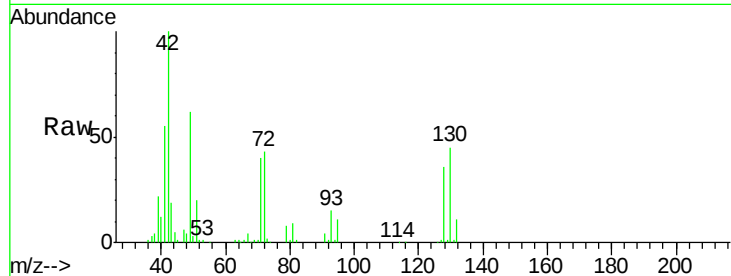
#29
Tetrahydrofuran
Concen: 209.638 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.02 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.0	49.4
71	39.4	31.2	46.8

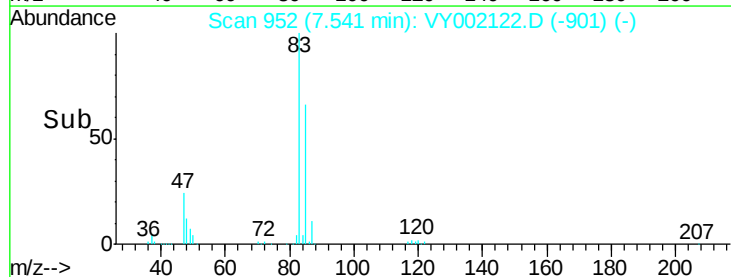
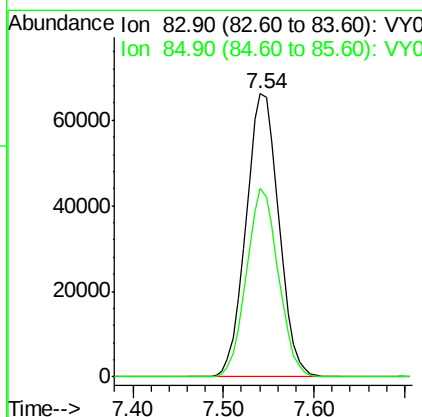
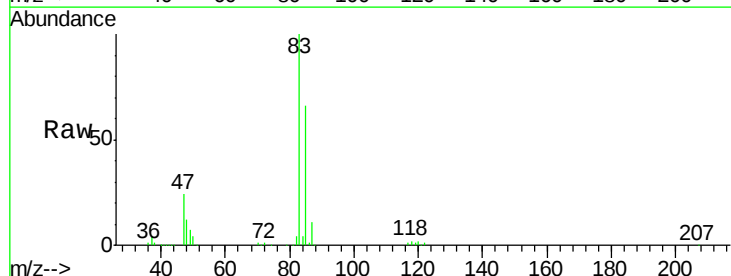
Manual Integrations
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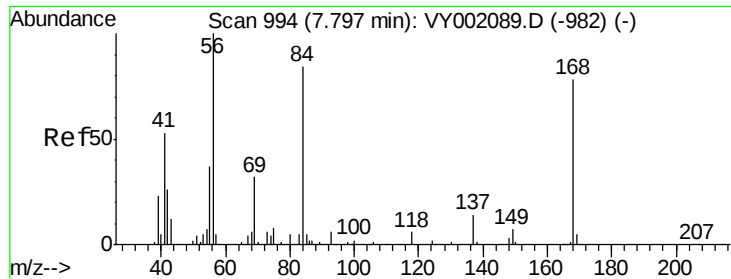
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#30
Chloroform
Concen: 48.623 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.4	78.6





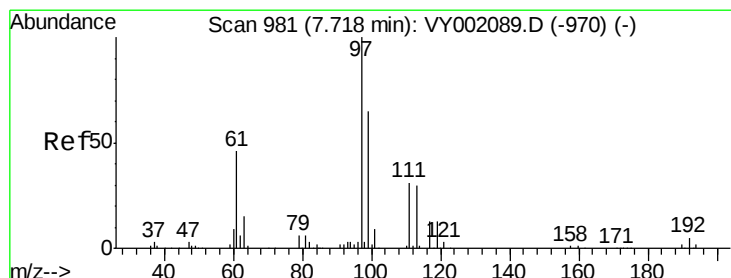
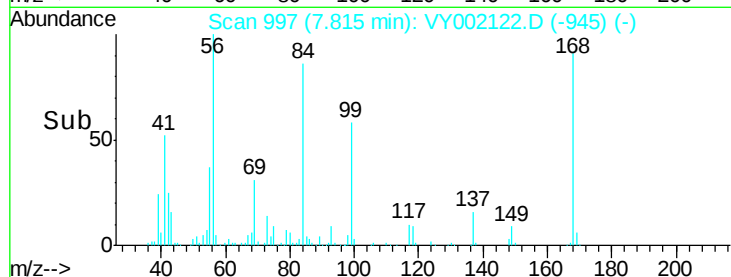
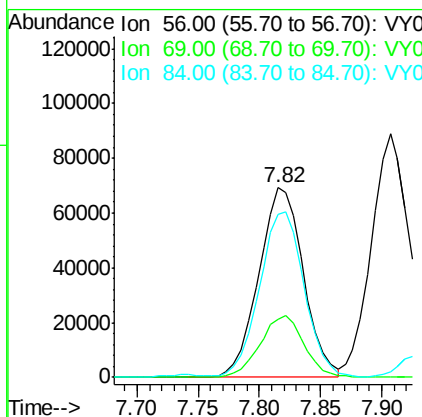
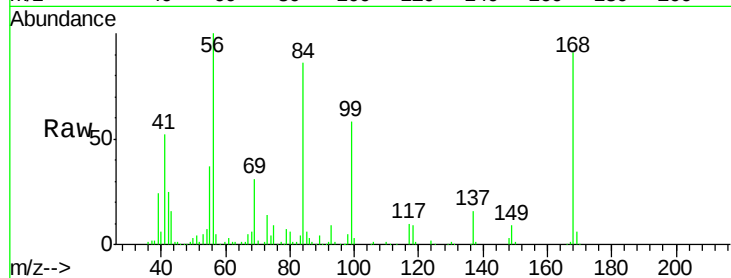
#31
Cyclohexane
Concen: 45.726 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.02 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.8	38.8
84	84.3	67.1	100.7

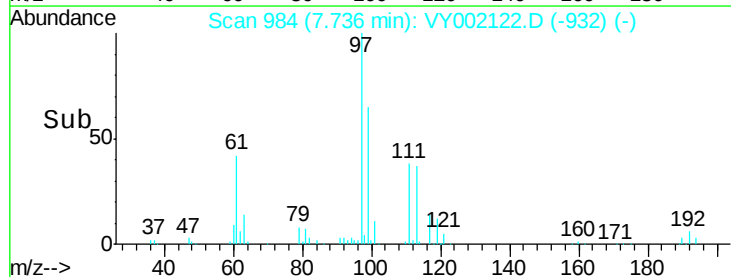
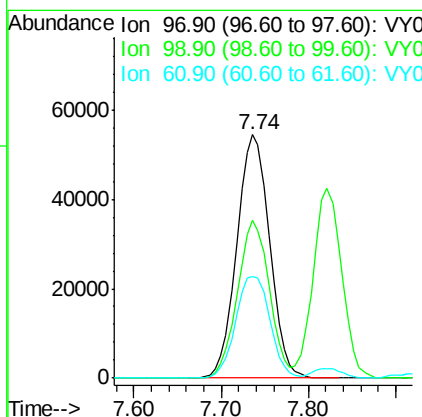
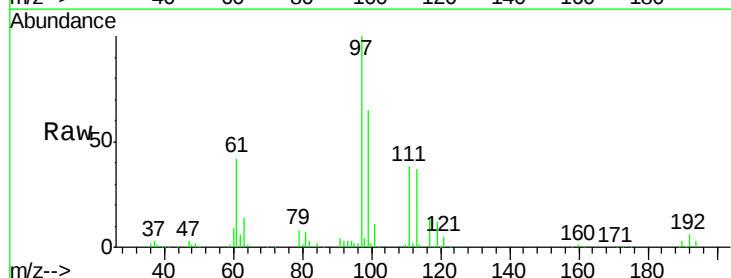
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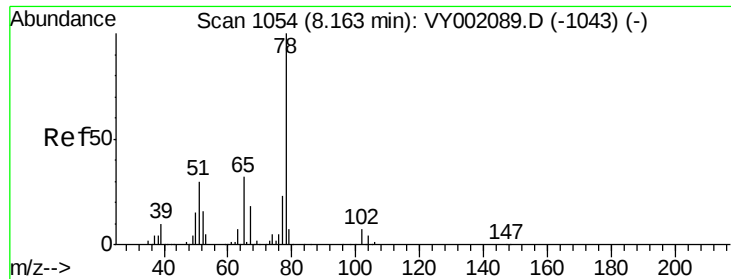
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#32
1,1,1-Trichloroethane
Concen: 49.854 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.02 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.0	78.0
61	43.7	35.7	53.5





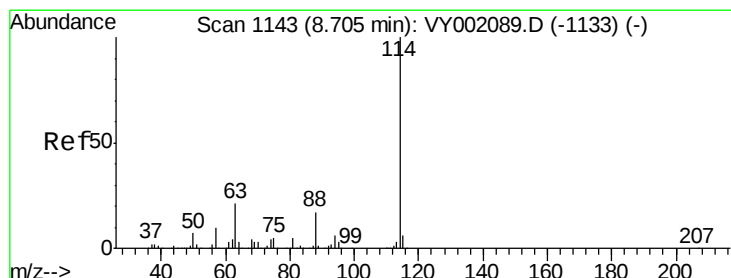
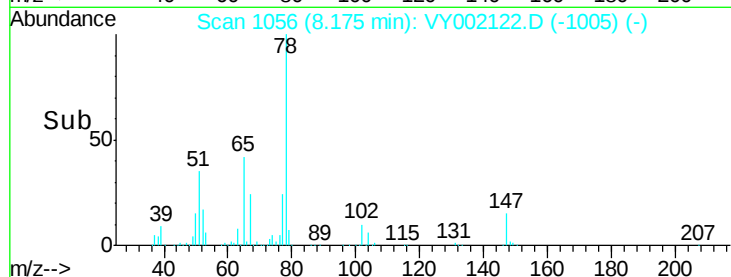
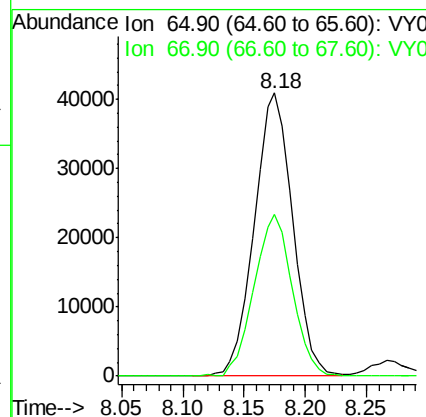
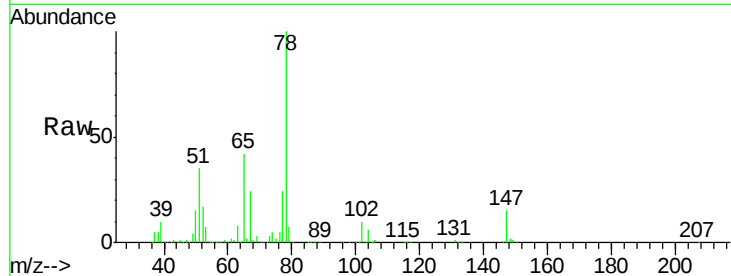
#33
 1,2-Dichloroethane-d4
 Concen: 48.398 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.1	0.0	112.8

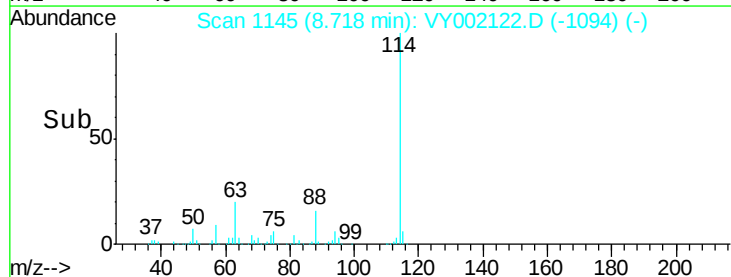
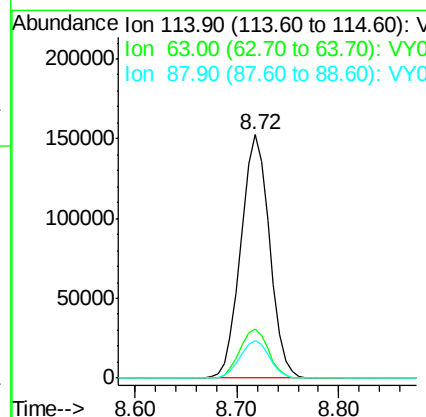
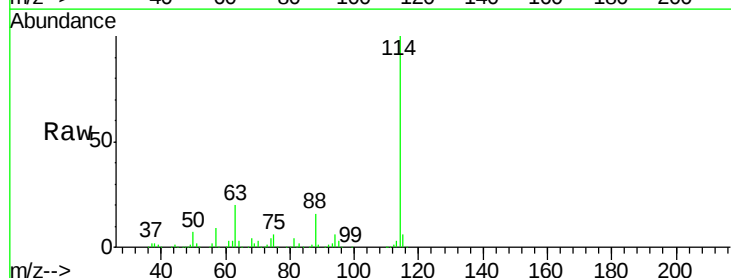
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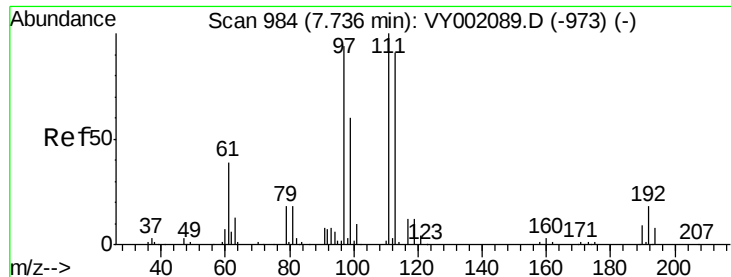
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.4
88	15.5	0.0	33.0





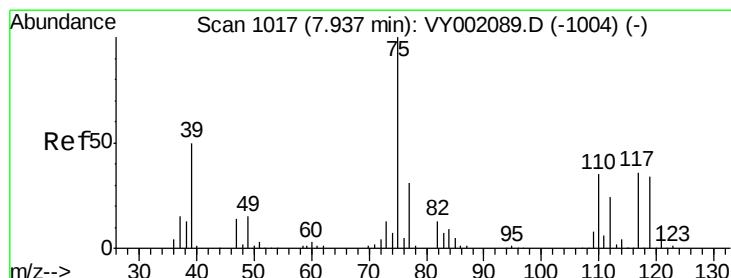
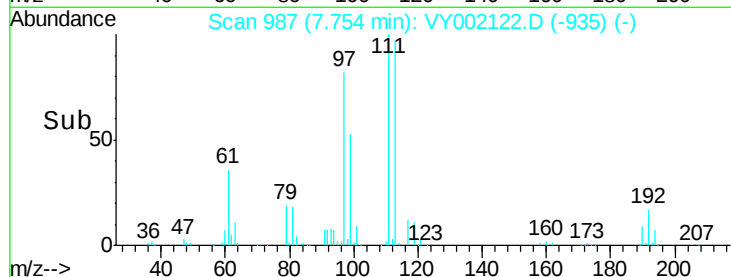
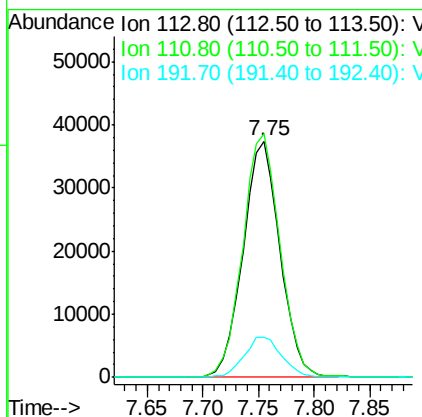
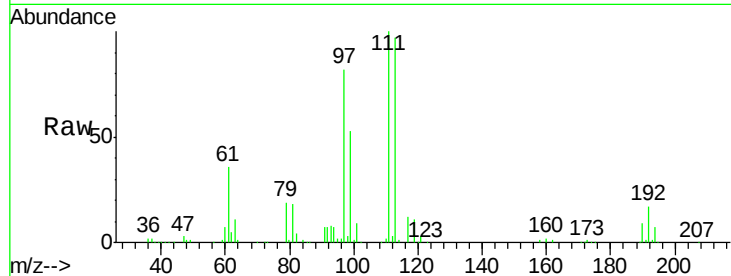
#35
 Dibromofluoromethane
 Concen: 51.886 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.02 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	84.4	126.6
192	17.4	14.6	21.8

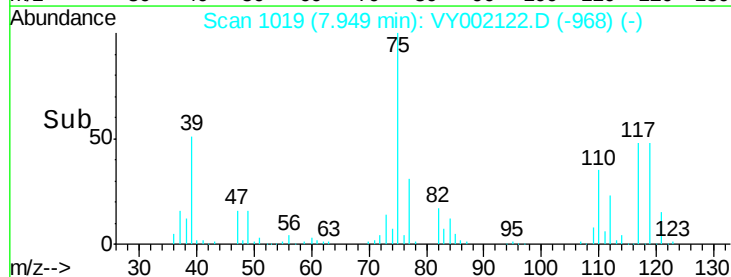
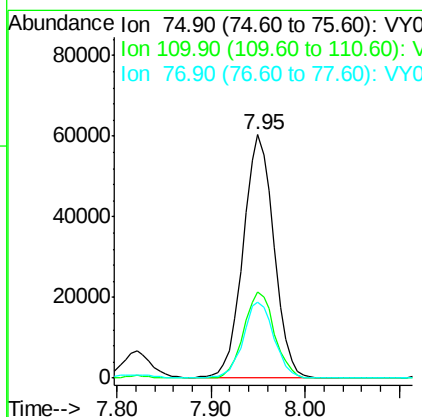
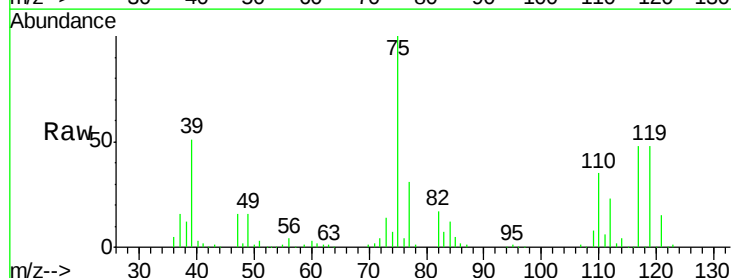
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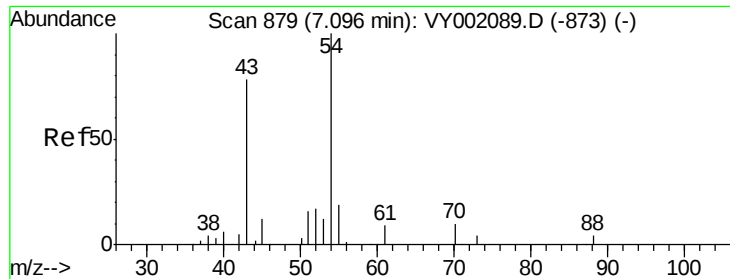
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#36
 1,1-Dichloropropene
 Concen: 49.470 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	31.3	24.7	37.1





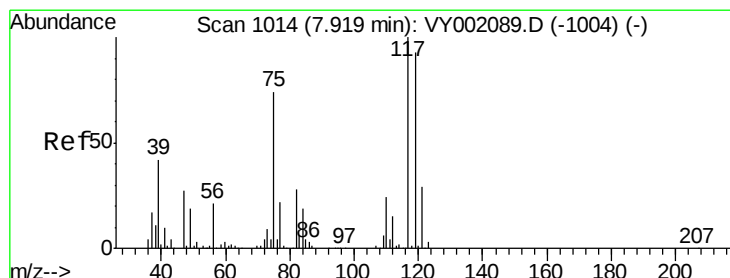
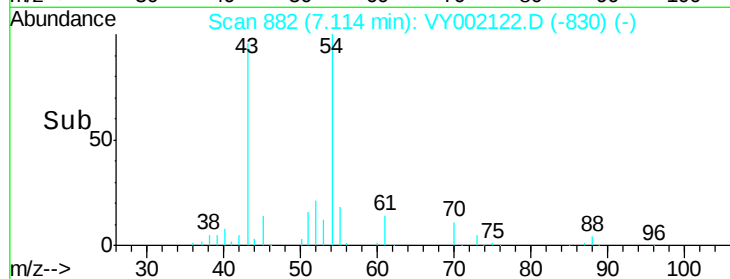
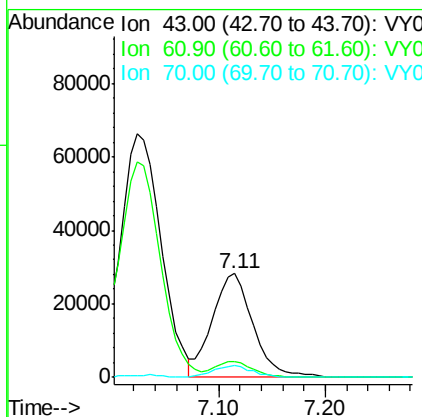
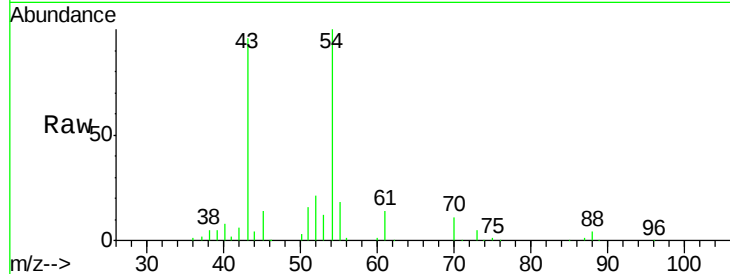
#37
Ethyl Acetate
Concen: 43.800 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.02 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	10.8	8.2	12.4

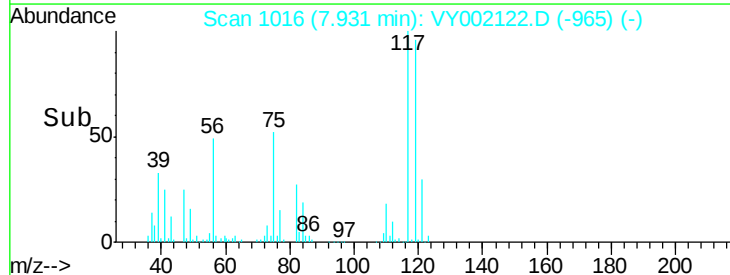
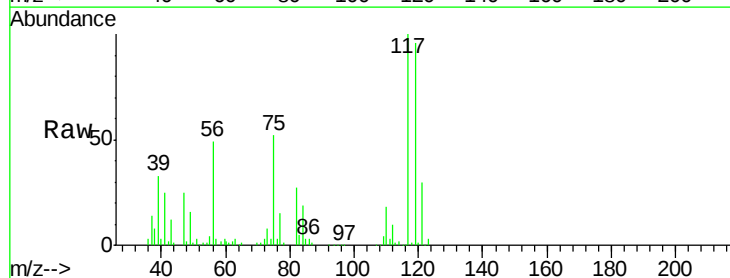
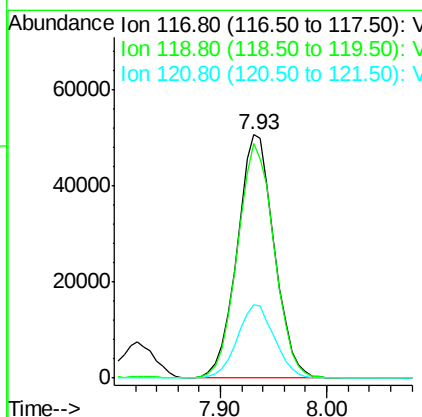
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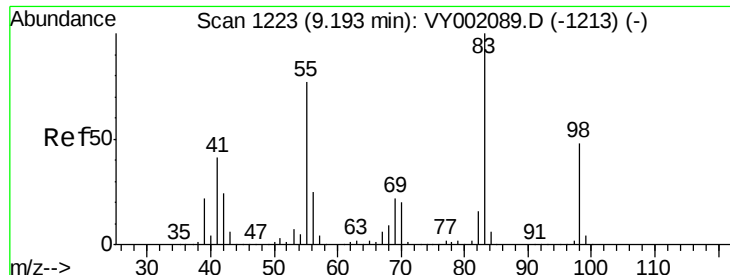
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#38
Carbon Tetrachloride
Concen: 51.857 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.3	111.5
121	30.2	23.3	34.9





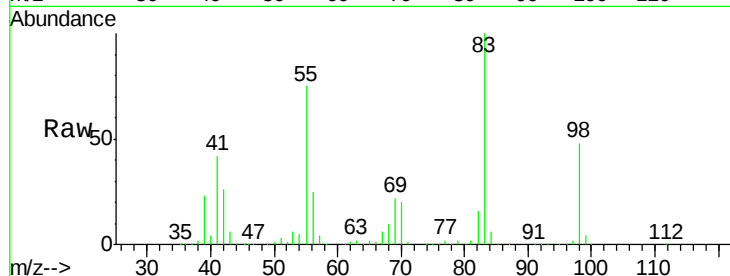
#39
Methvlcvclohexane
Concen: 49.826 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	183208
Ion Ratio	100	Lower	Upper
83	100		
55	75.2	61.2	91.8
98	47.7	38.2	57.2

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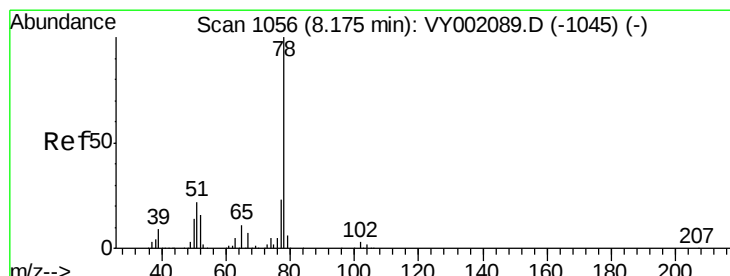
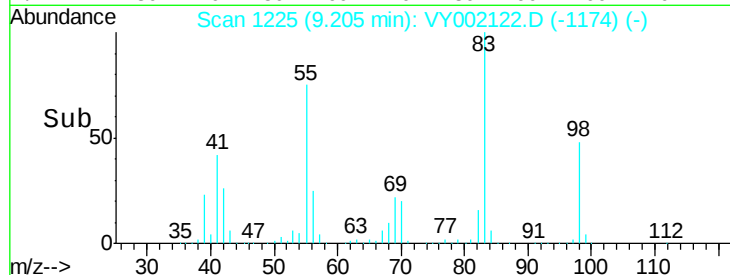
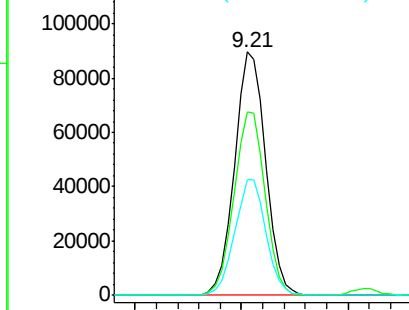


Abundance

Ion 83.00 (82.70 to 83.70): VY0

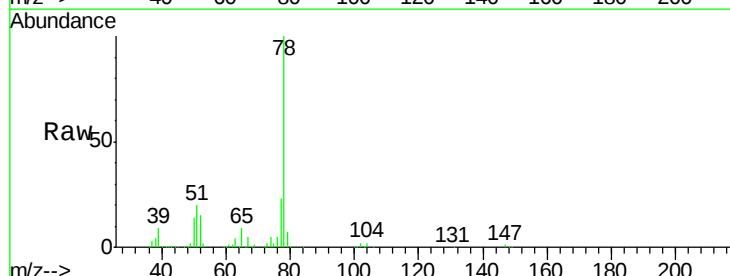
Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0



#40
Benzene
Concen: 49.970 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.02 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

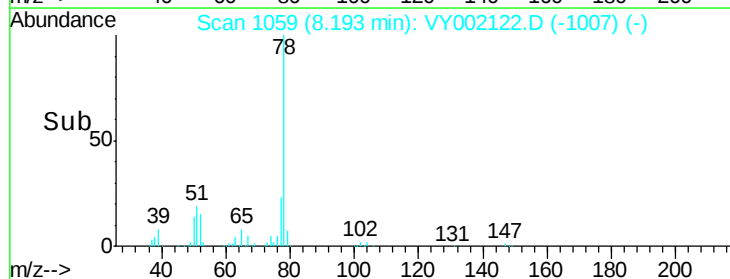
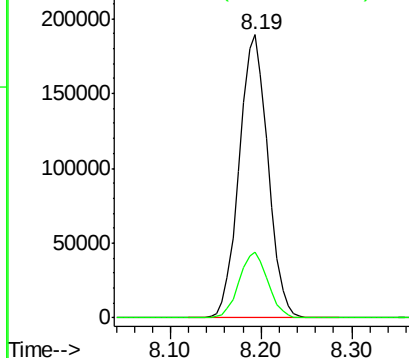
Tgt Ion	78	Resp	414919
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	18.2	27.4

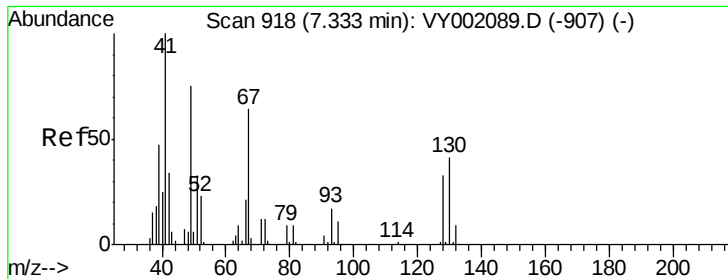


Abundance

Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#41

Methacrylonitrile

Concen: 55.105 ug/l m

RT: 7.36 min Scan# 923

Delta R.T. 0.03 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 47217

Ion Ratio Lower Upper

41 100

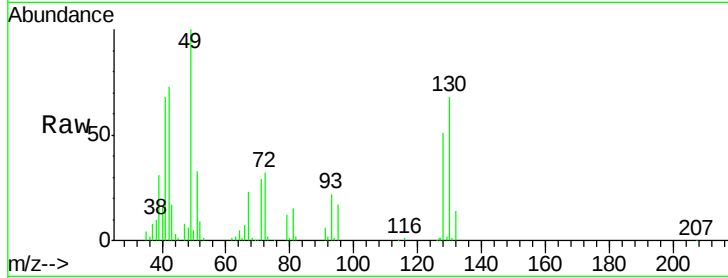
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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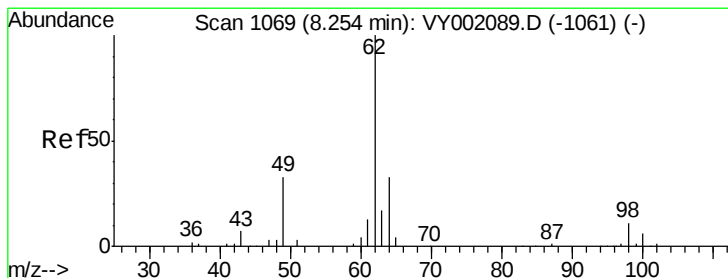
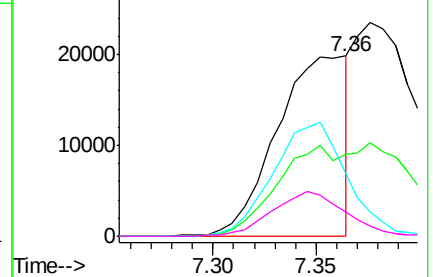
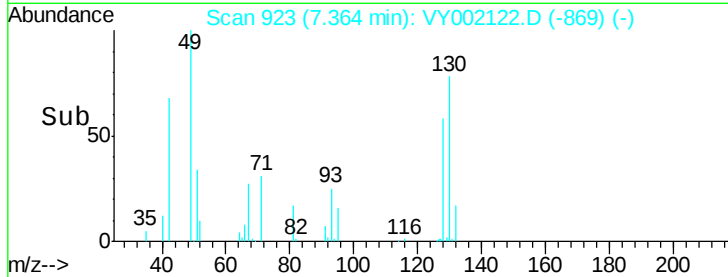


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 48.036 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VY002122.D

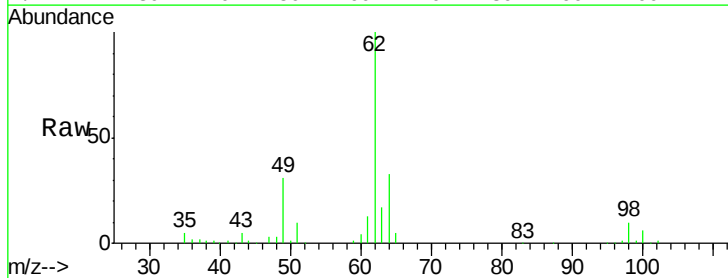
Acq: 31 Mar 2020 10:39

Tgt Ion: 62 Resp: 105894

Ion Ratio Lower Upper

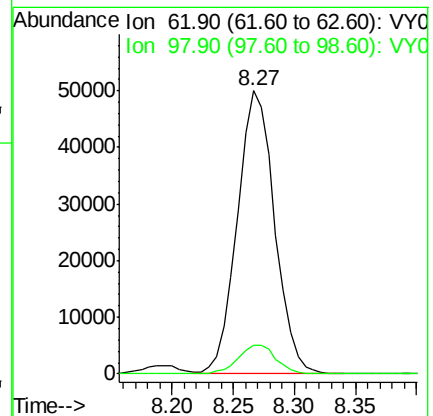
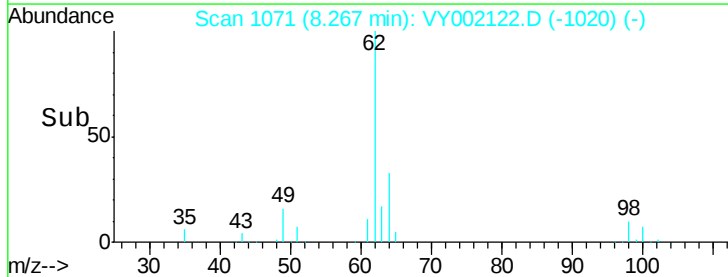
62 100

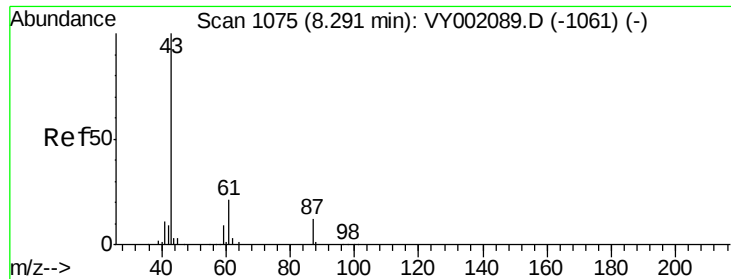
98 10.4 0.0 21.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





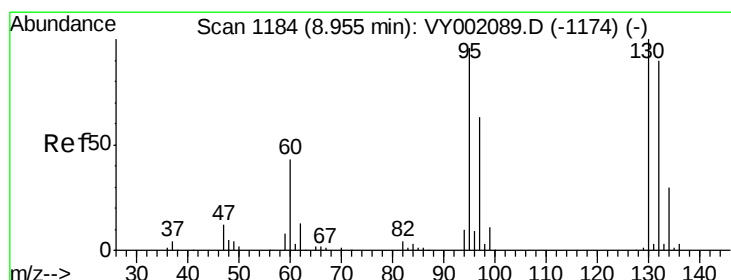
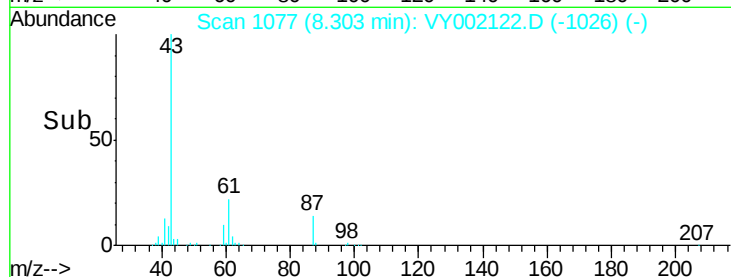
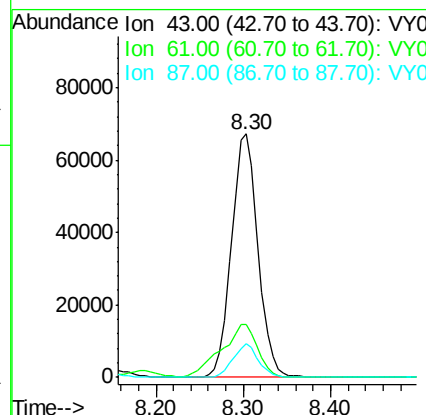
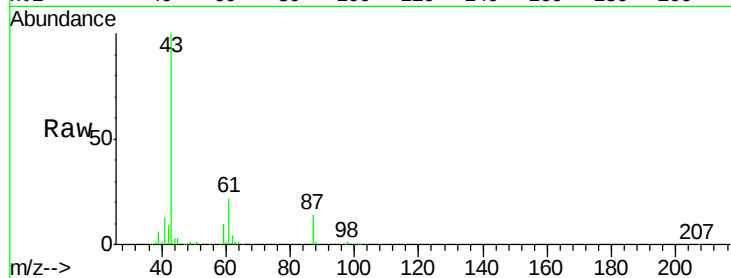
#43
Isopropyl Acetate
Concen: 45.024 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.4	35.2
87	13.1	10.2	15.4

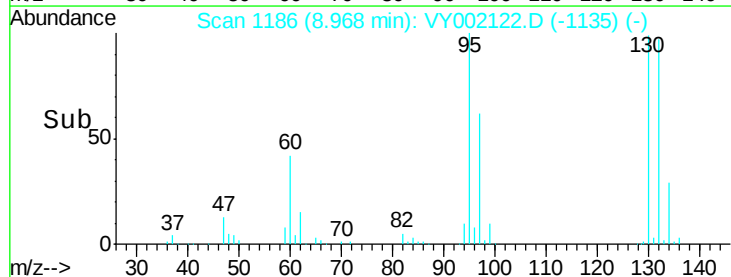
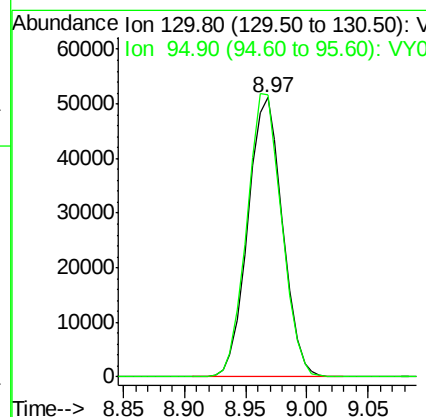
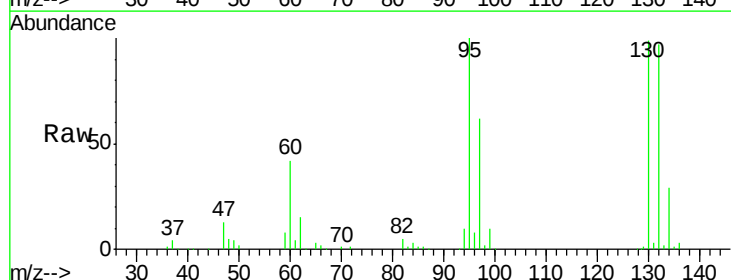
Manual Integrations
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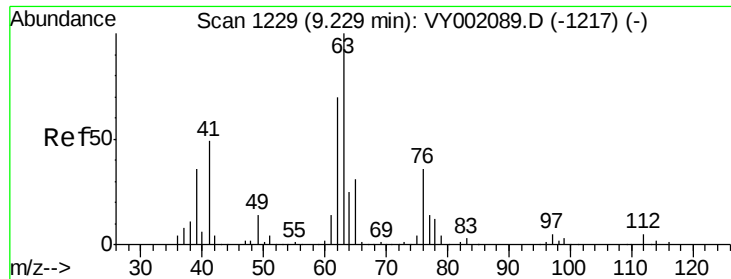
MMDadoda
4/1/2020 7:29:14 PM



#44
Trichloroethene
Concen: 50.348 ug/l
RT: 8.97 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	193.0





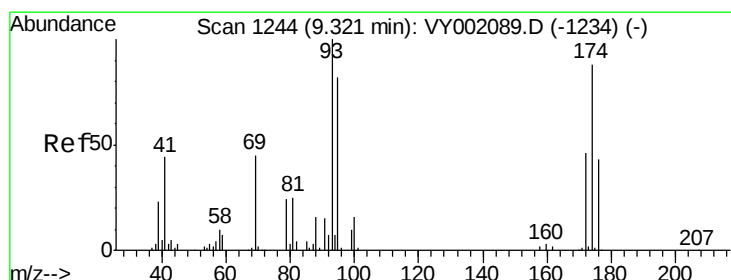
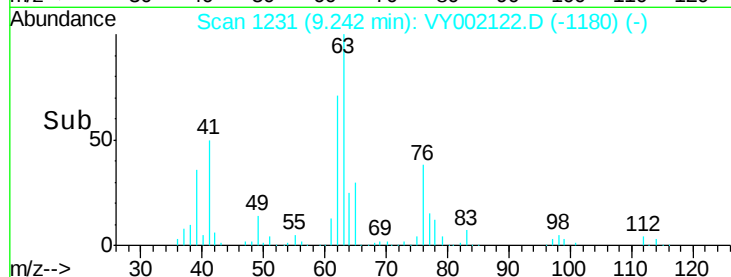
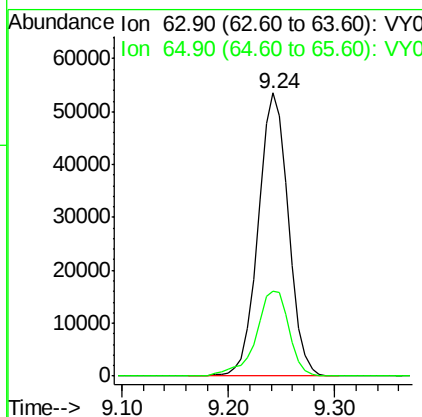
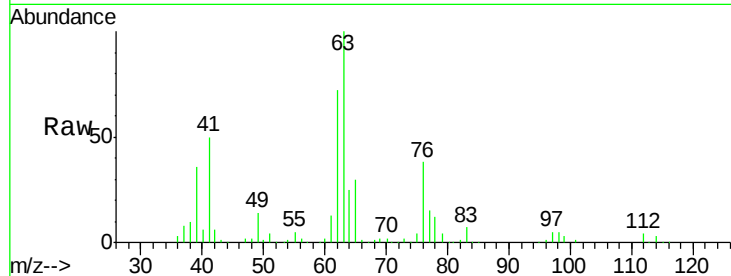
#45
1,2-Dichloropropane
Concen: 50.216 ug/l
RT: 9.24 min Scan# 1231
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 106167
Ion Ratio Lower Upper
63 100
65 30.0 25.0 37.6

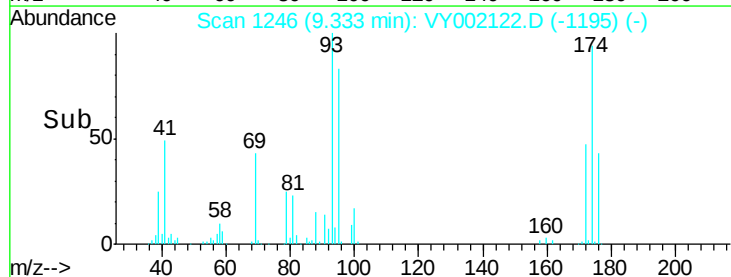
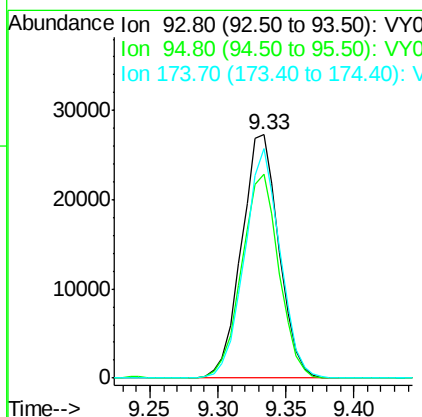
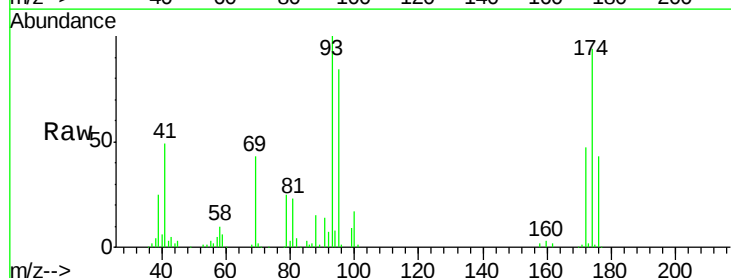
Manual Integrations
APPROVED

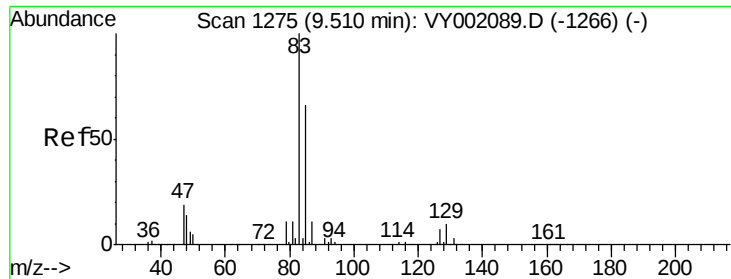
MMDadoda
4/1/2020 7:29:14 PM



#46
Dibromomethane
Concen: 48.394 ug/l
RT: 9.33 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion: 93 Resp: 52545
Ion Ratio Lower Upper
93 100
95 83.0 66.0 99.0
174 89.7 69.8 104.8





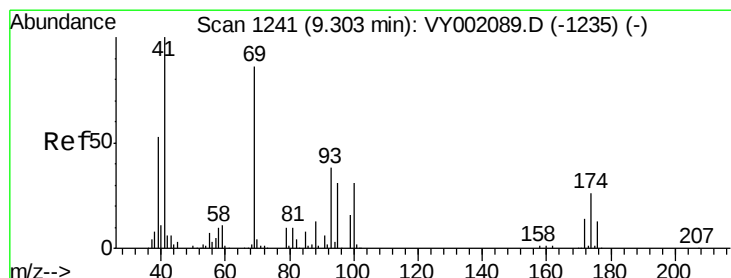
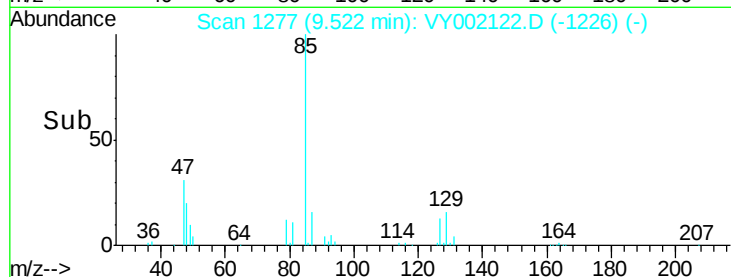
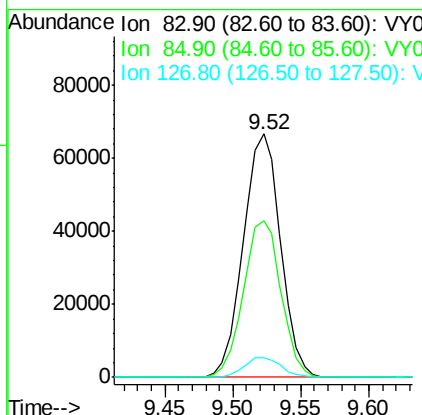
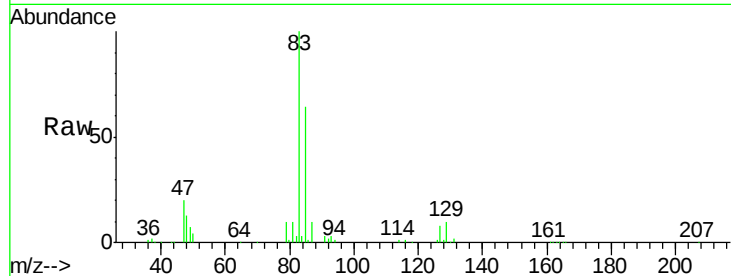
#47
Bromodichloromethane
Concen: 50.579 ug/l
RT: 9.52 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	79.0
127	8.2	5.9	8.9

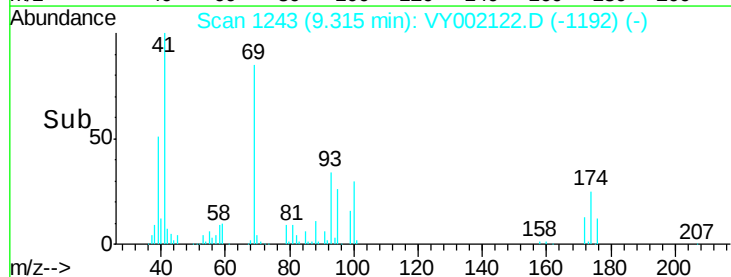
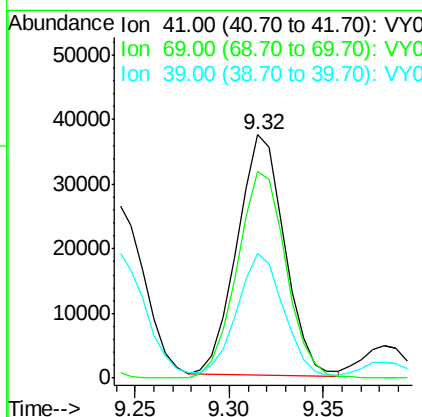
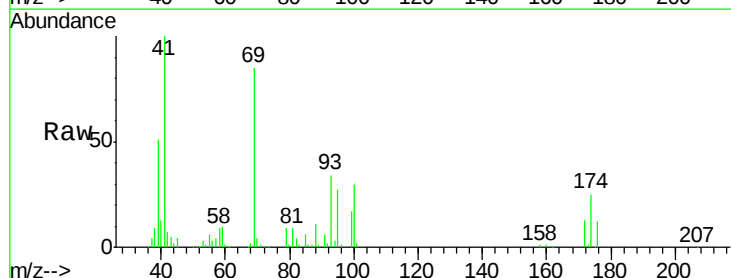
Manual Integrations
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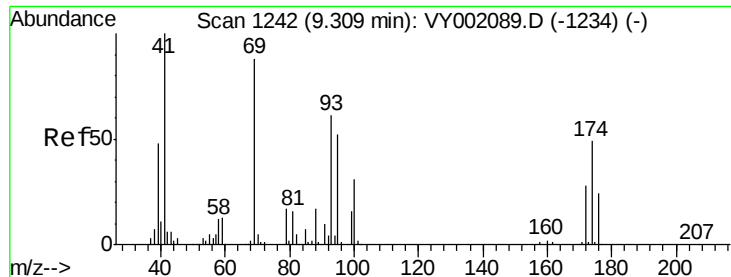
MMDadoda
4/1/2020 7:29:14 PM



#48
Methyl methacrylate
Concen: 45.962 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.6	71.4	107.0
39	49.3	41.0	61.4





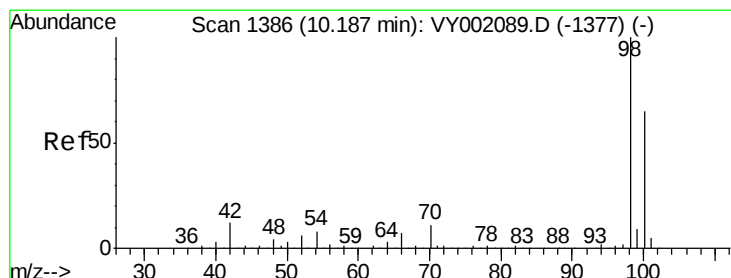
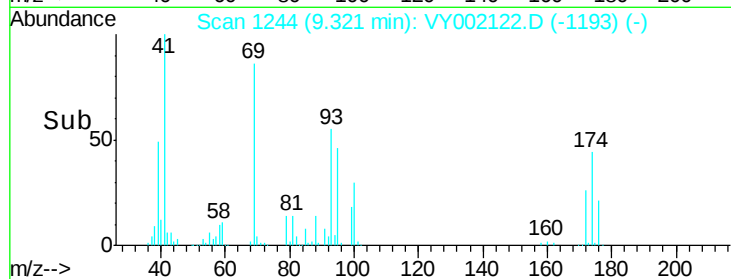
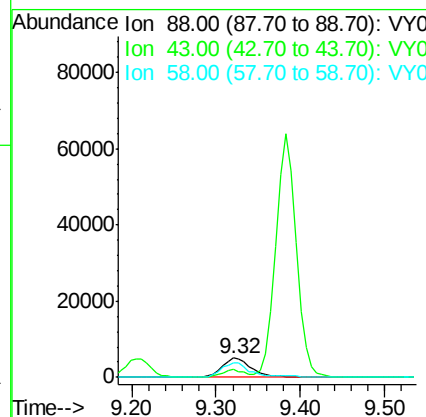
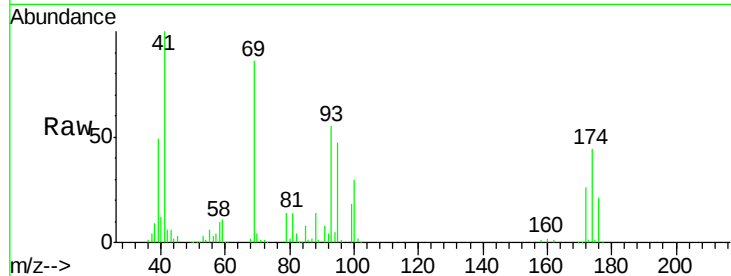
#49
1,4-Dioxane
Concen: 845.398 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	27.2	40.8
58	69.2	59.8	89.8

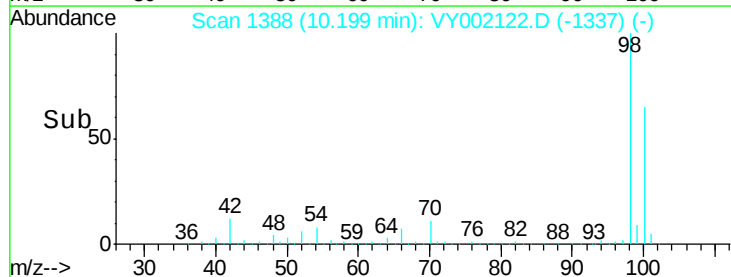
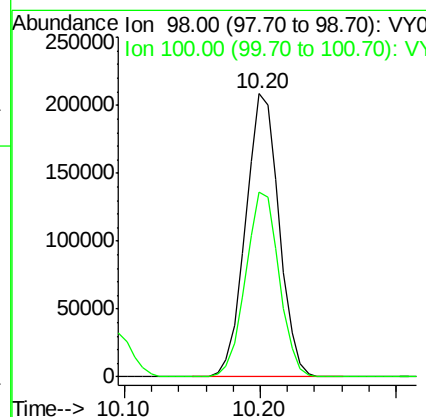
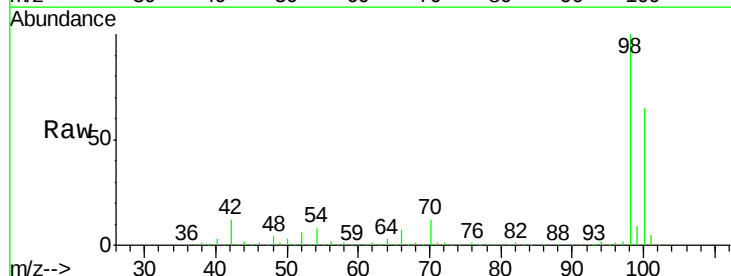
Manual Integrations
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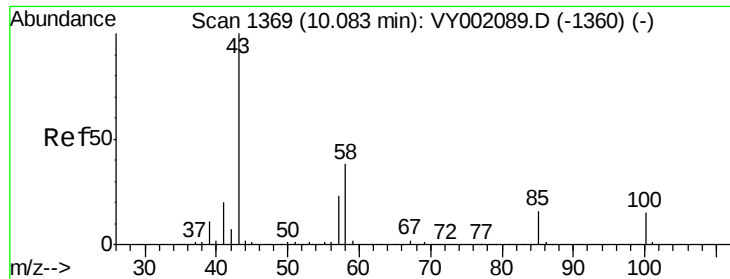
MMDadoda
4/1/2020 7:29:14 PM



#50
Toluene-d8
Concen: 51.964 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 227.247 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 367901

Ion Ratio Lower Upper

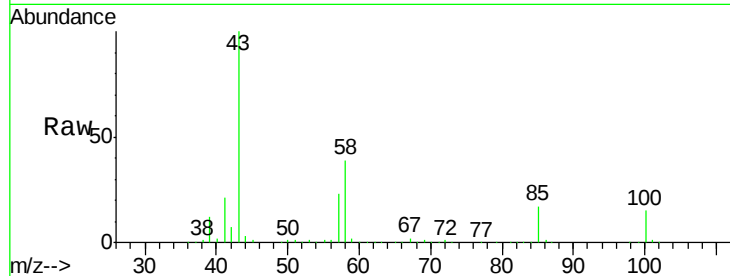
43 100

58 39.9 31.6 47.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-1360) (-)

Ion 58.00 (57.70 to 58.70): VY002089.D (-1360) (-)

10.09

250000

200000

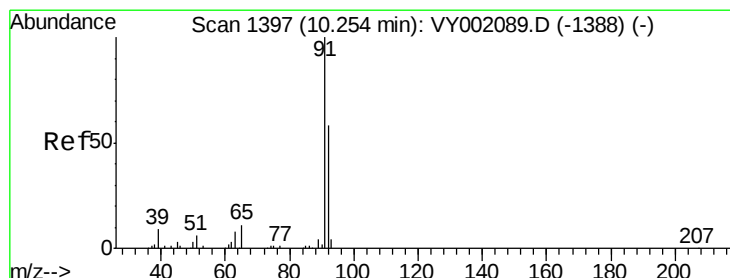
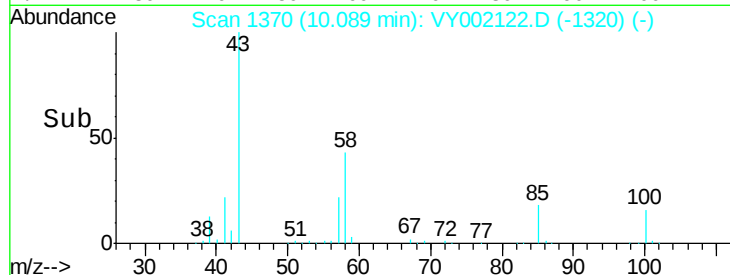
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 50.868 ug/l

RT: 10.27 min Scan# 1399

Delta R.T. 0.01 min

Lab File: VY002122.D

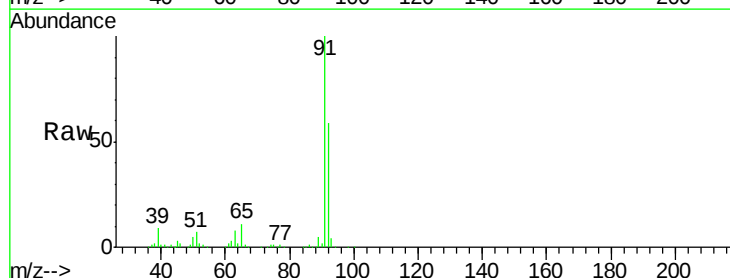
Acq: 31 Mar 2020 10:39

Tgt Ion: 92 Resp: 255467

Ion Ratio Lower Upper

92 100

91 171.9 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY002089.D (-1388) (-)

Ion 91.00 (90.70 to 91.70): VY002089.D (-1388) (-)

10.27

300000

250000

200000

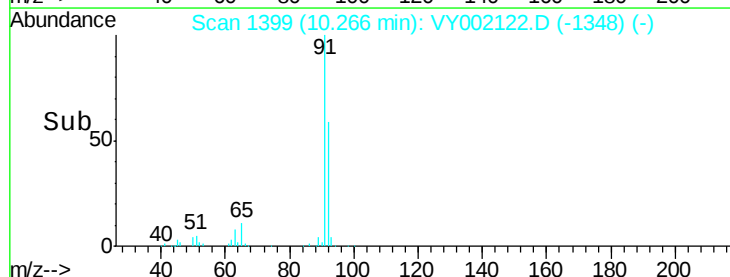
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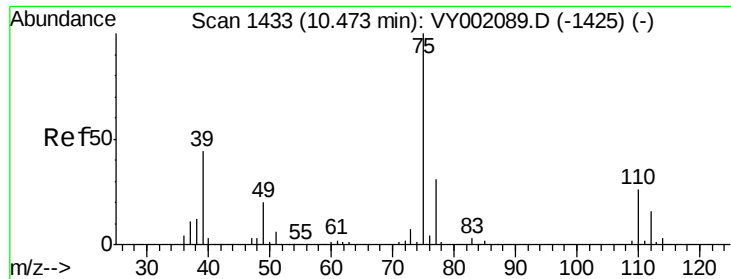
100000

50000

0

Time-->





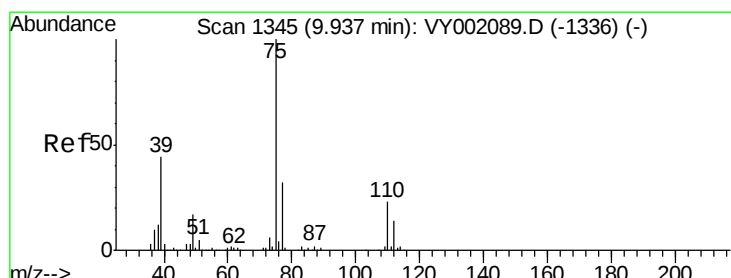
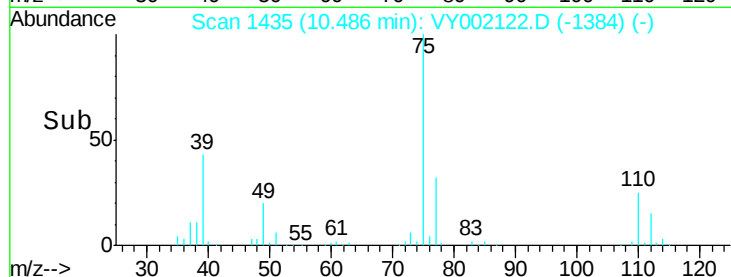
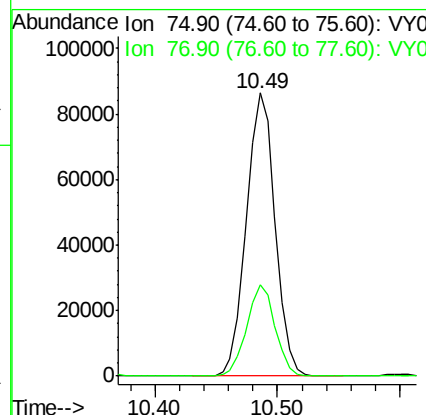
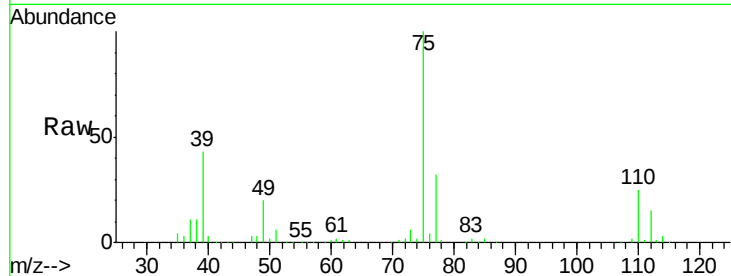
#53
t-1,3-Dichloropropene
Concen: 50.132 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 140643
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8

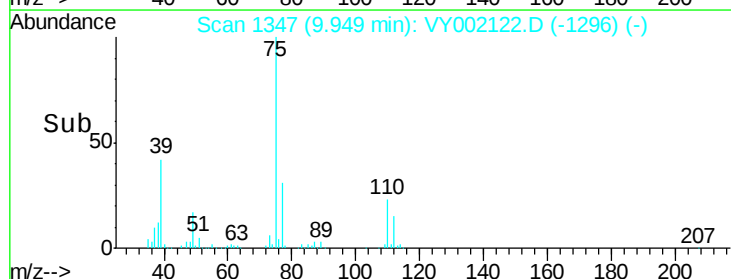
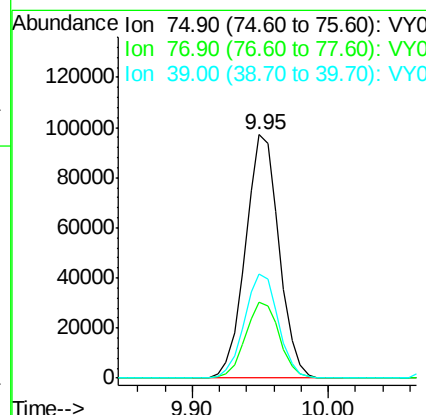
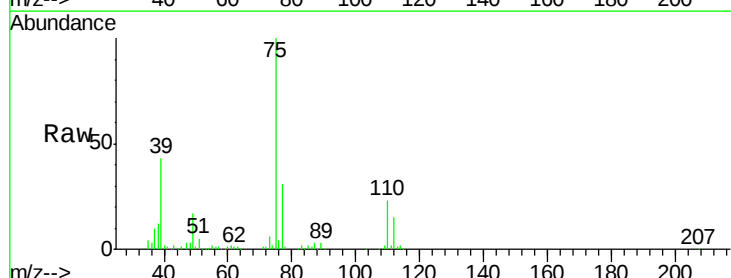
Manual Integrations
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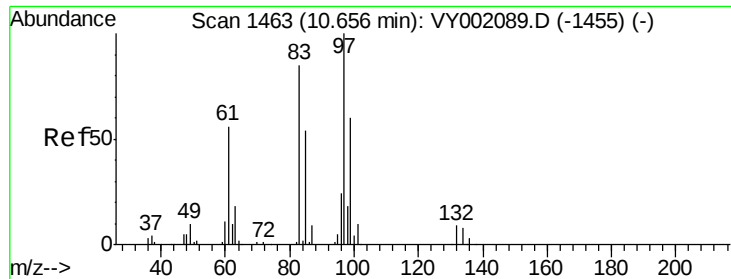
MMDadoda
4/1/2020 7:29:14 PM



#54
cis-1,3-Dichloropropene
Concen: 50.605 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion: 75 Resp: 167152
Ion Ratio Lower Upper
75 100
77 31.1 25.6 38.4
39 42.7 35.2 52.8





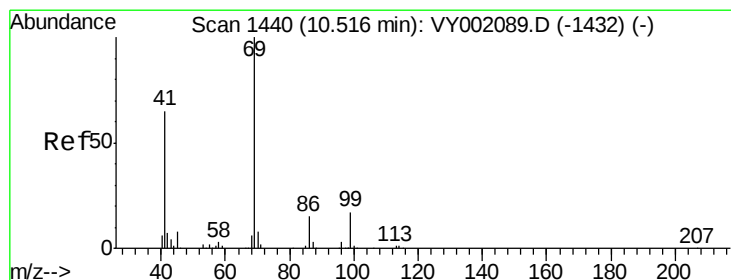
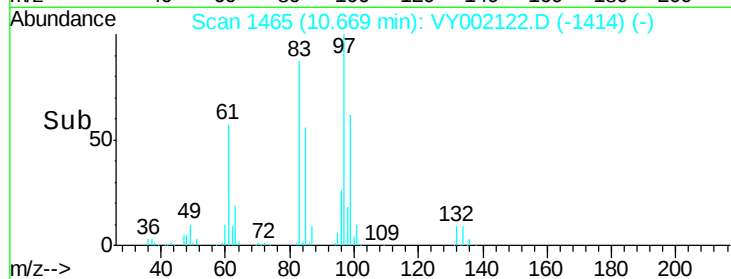
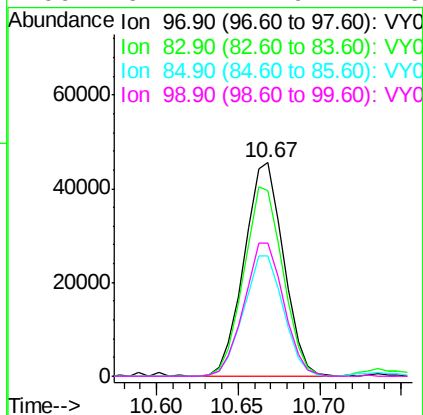
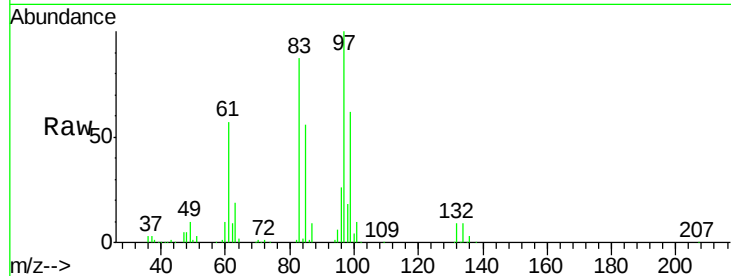
#55
 1,1,2-Trichloroethane
 Concen: 47.817 ug/l
 RT: 10.67 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	76841
Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.2	102.2
85	56.4	42.9	64.3
99	62.2	47.9	71.9

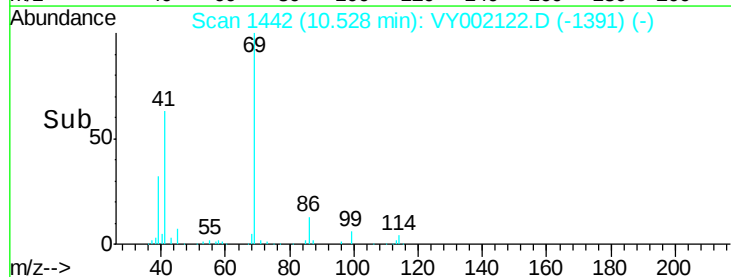
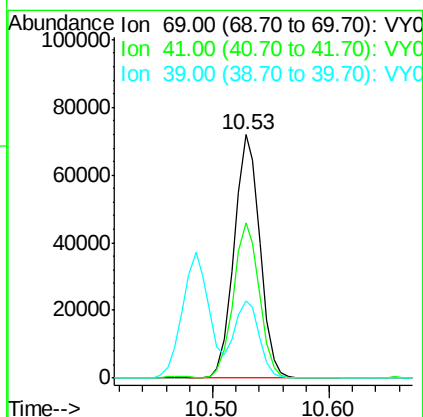
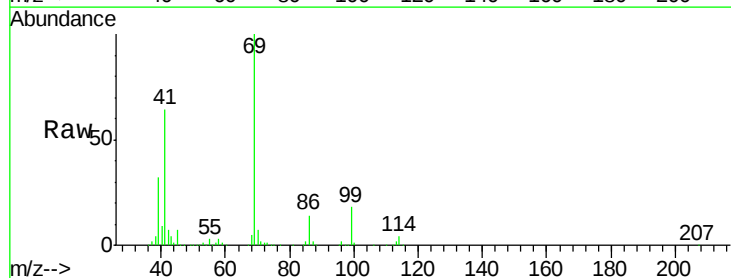
Manual Integrations
 APPROVED

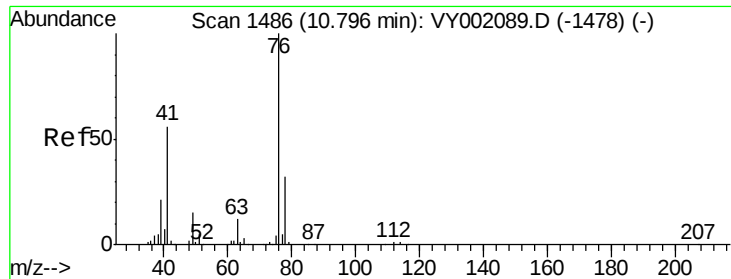
MMDadoda
 4/1/2020 7:29:14 PM



#56
 Ethyl methacrylate
 Concen: 47.182 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Tgt Ion:	69	Resp:	110742
Ion	Ratio	Lower	Upper
69	100		
41	63.8	52.8	79.2
39	30.4	25.0	37.6





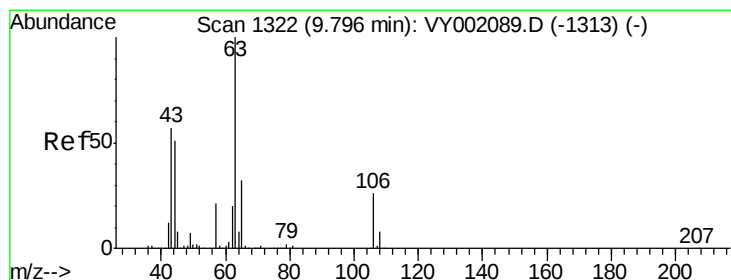
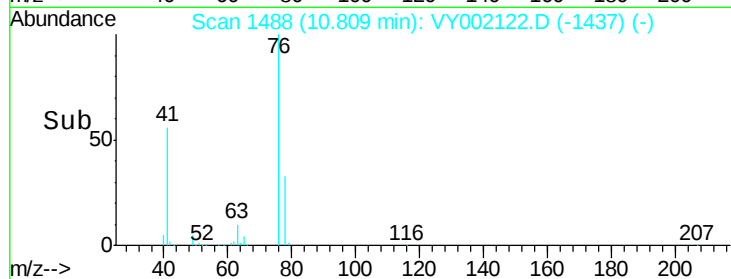
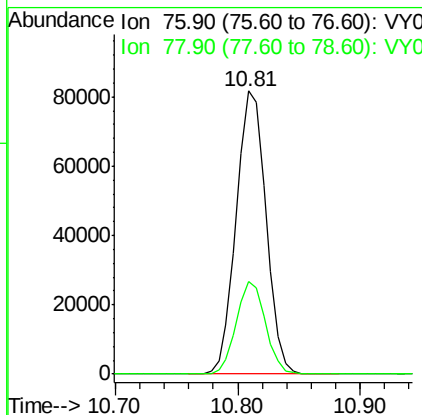
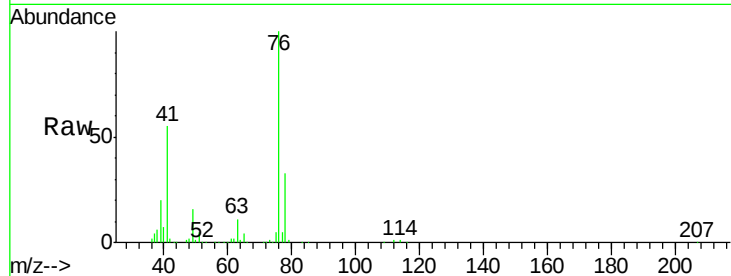
#57
 1,3-Dichloropropane
 Concen: 48.519 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1

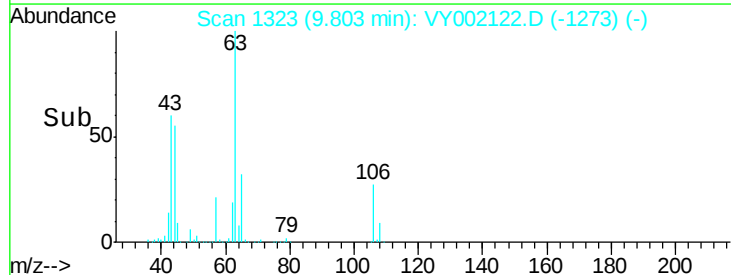
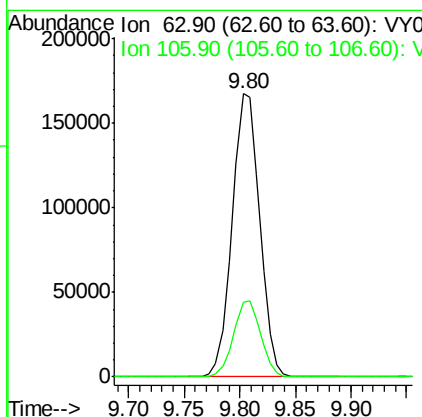
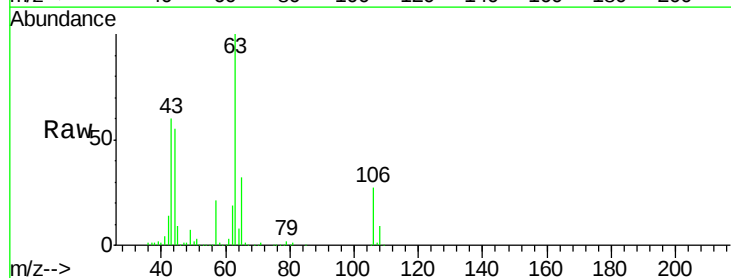
Manual Integrations
 APPROVED

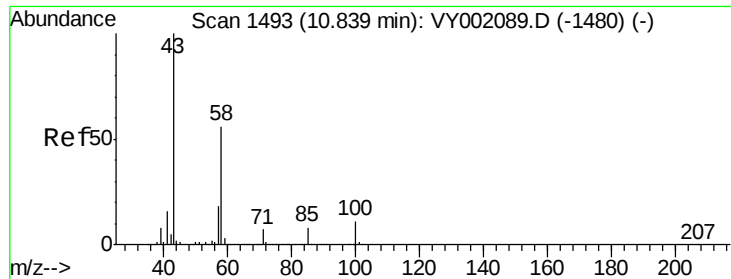
MMDadoda
 4/1/2020 7:29:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.039 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.4





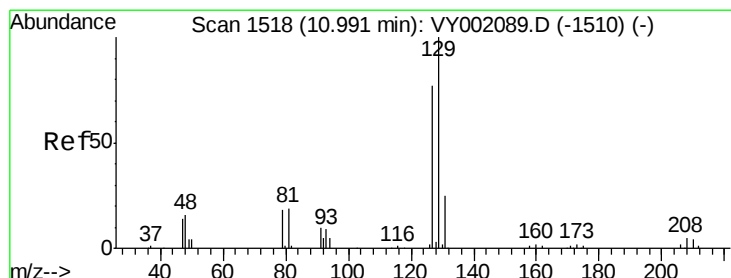
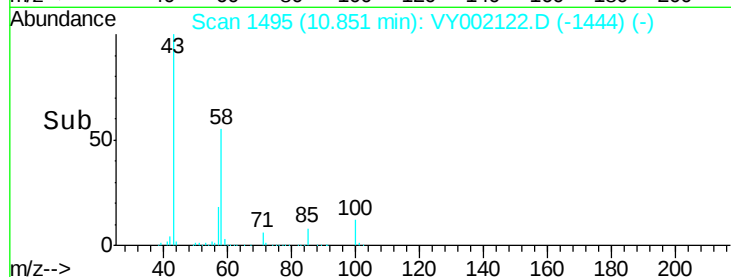
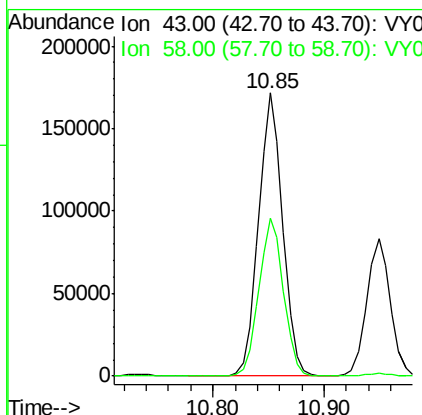
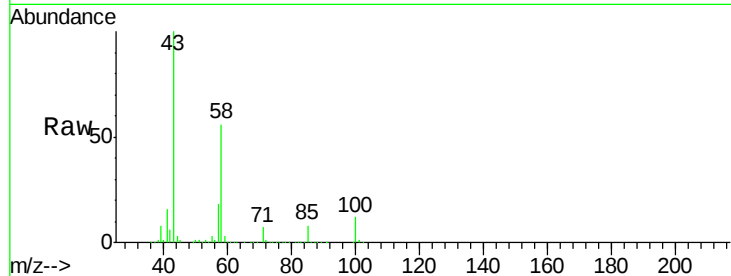
#59
2-Hexanone
Concen: 228.263 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	27.9	83.6

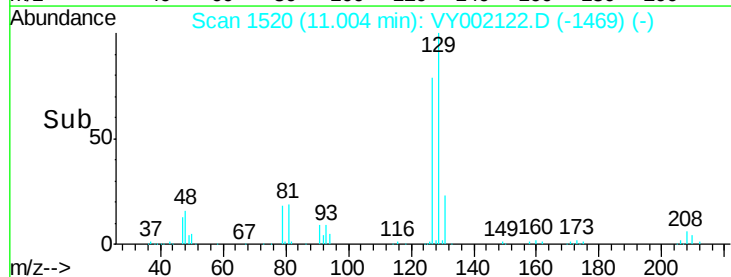
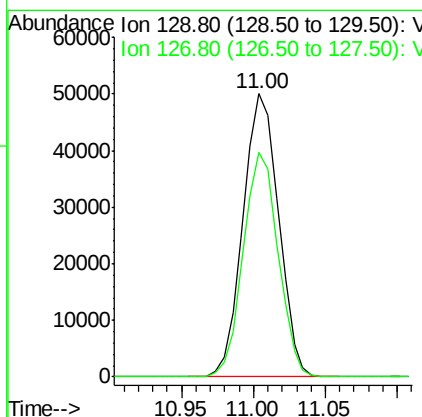
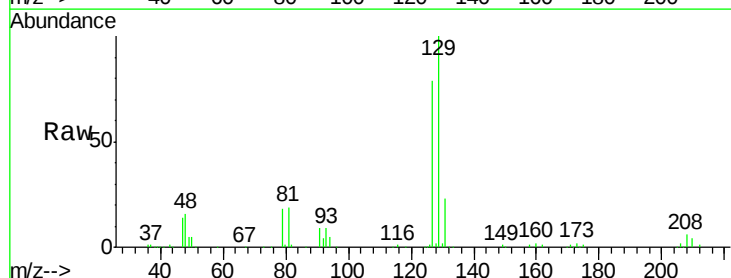
Manual Integrations
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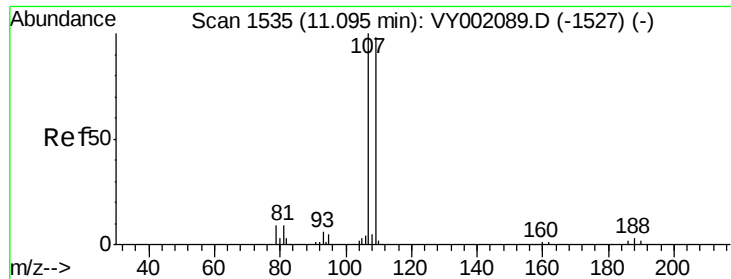
MMDadoda
4/1/2020 7:29:14 PM



#60
Dibromochloromethane
Concen: 51.057 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.7	116.1





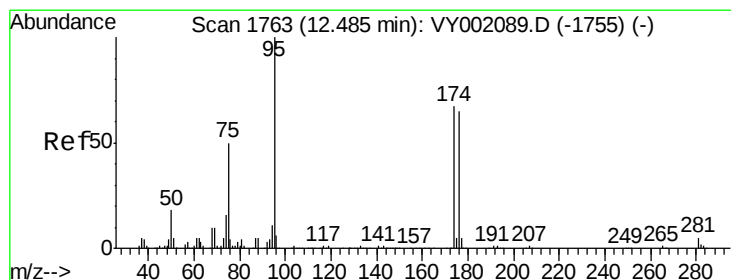
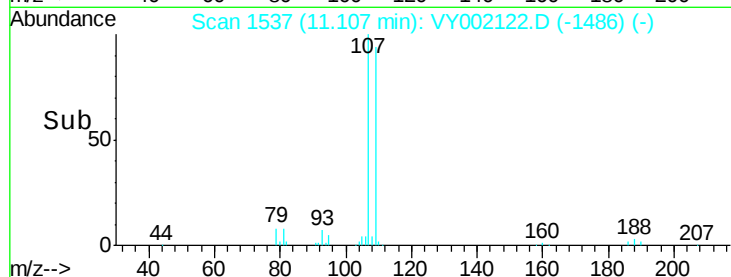
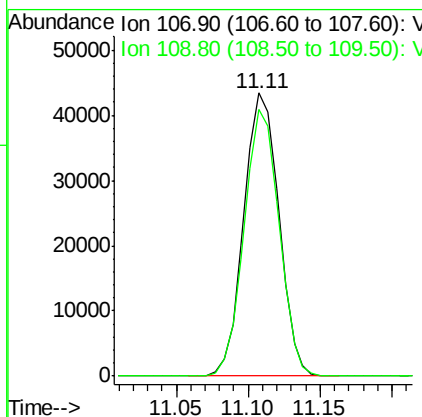
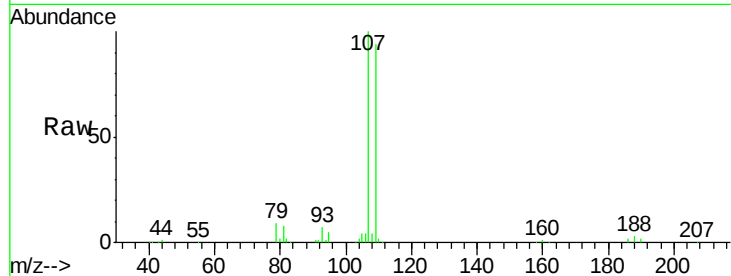
#61
 1,2-Dibromoethane
 Concen: 48.635 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.3	114.5

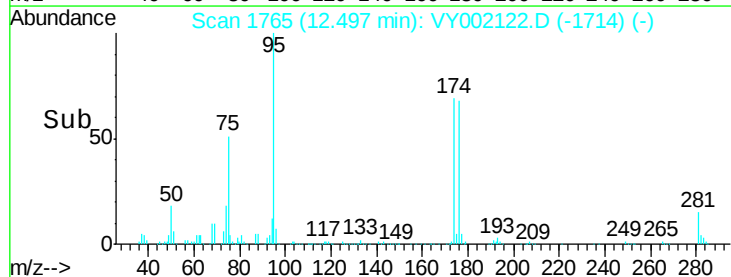
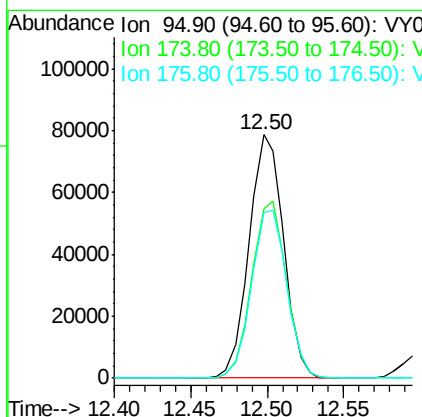
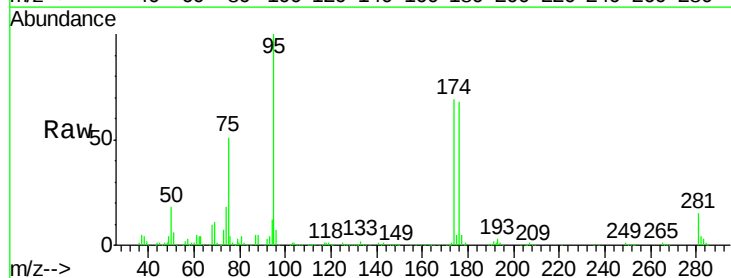
Manual Integrations
 APPROVED

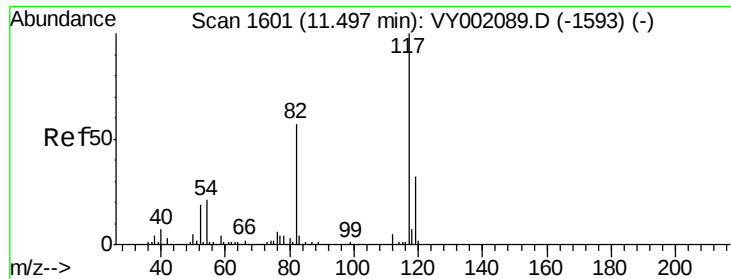
MMDadoda
 4/1/2020 7:29:14 PM



#62
 4-Bromofluorobenzene
 Concen: 50.994 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	143.4
176	70.5	0.0	137.0





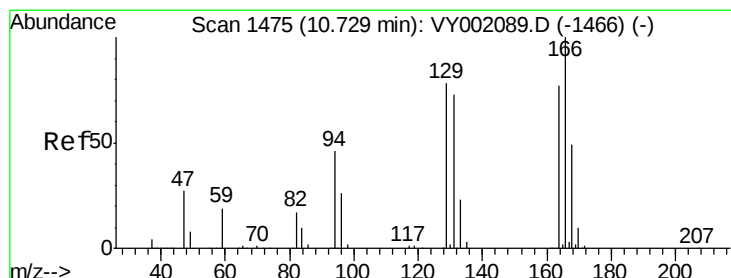
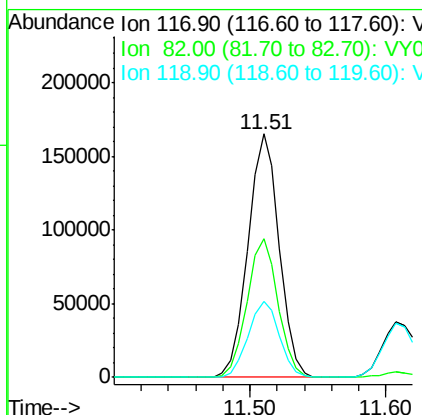
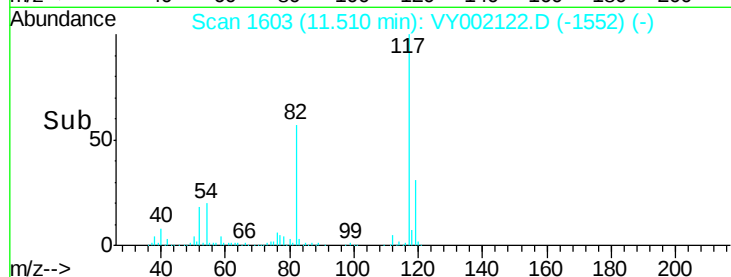
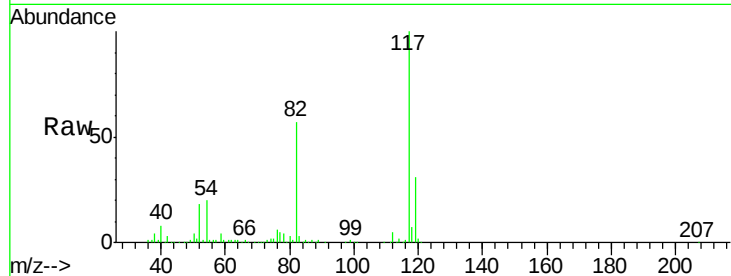
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	264122		
82	56.9	45.4	68.2	
119	31.2	25.3	37.9	

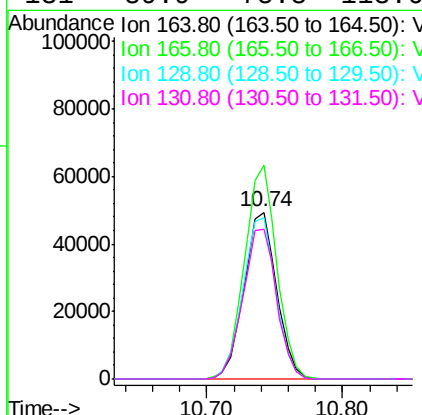
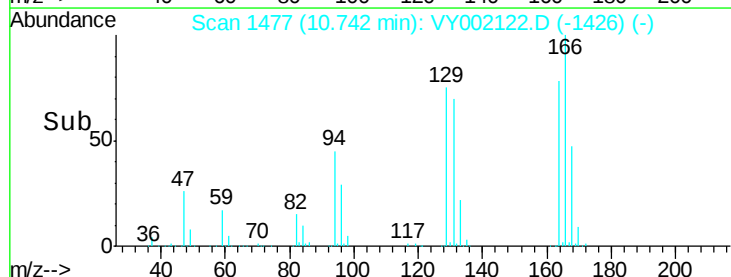
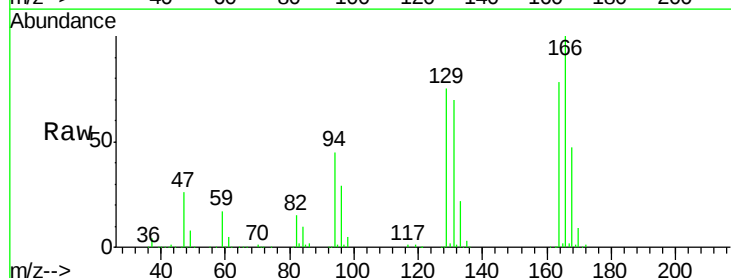
Manual Integrations
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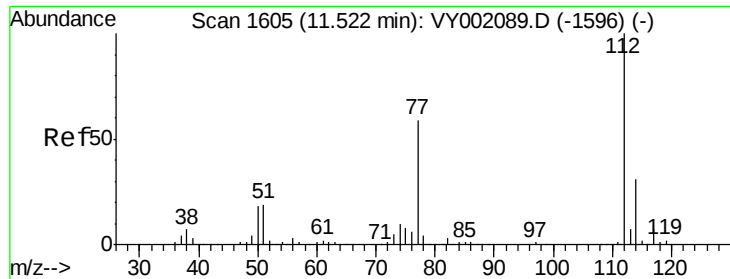
MMDadoda
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#64
Tetrachloroethene
Concen: 51.404 ug/l
RT: 10.74 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83066		
166	128.3	104.0	156.0	
129	96.5	81.2	121.8	
131	89.9	75.8	113.6	





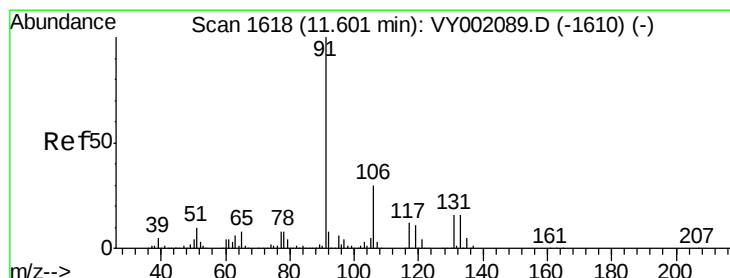
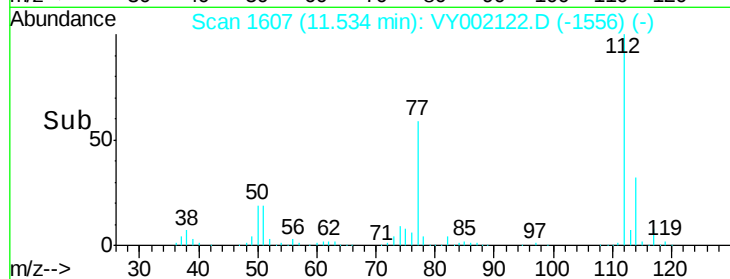
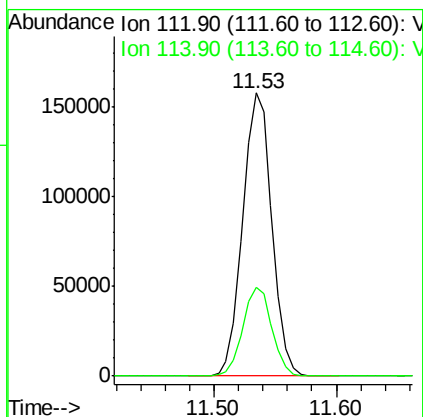
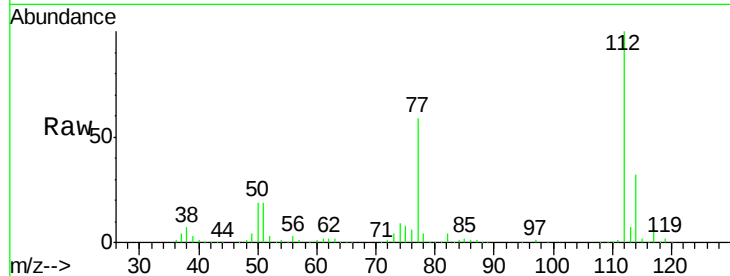
#65
Chlorobenzene
Concen: 51.038 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 260213
Ion Ratio Lower Upper
112 100
114 31.6 24.9 37.3

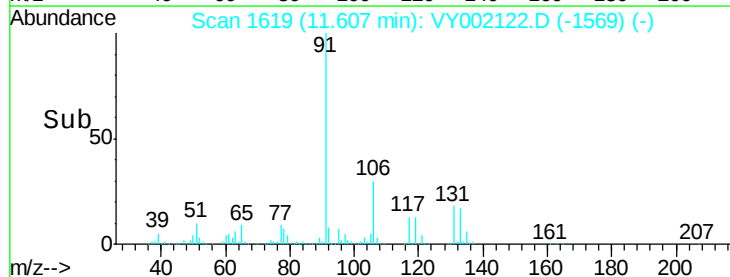
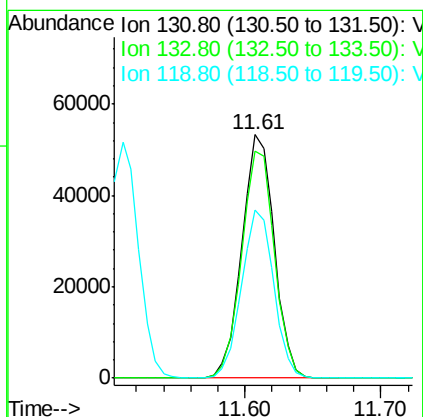
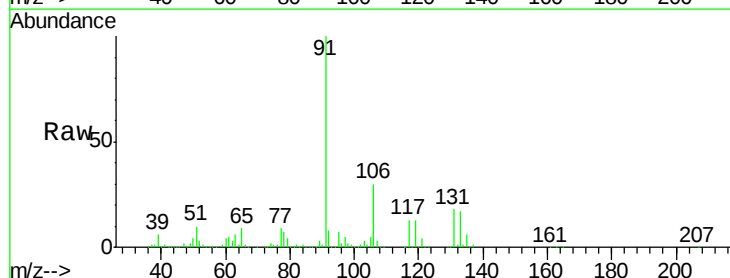
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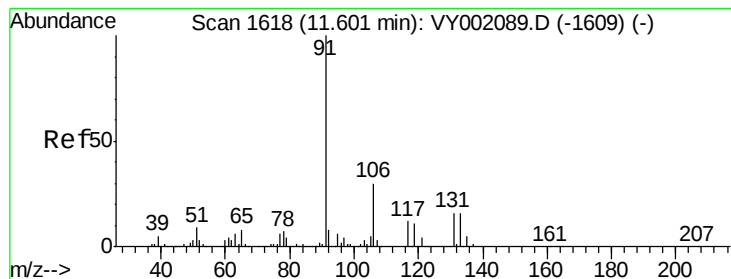
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.931 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion:131 Resp: 88577
Ion Ratio Lower Upper
131 100
133 94.5 47.5 142.5
119 68.6 34.6 103.9





#67

Ethyl Benzene

Concen: 51.372 ug/l

RT: 11.61 min Scan# 1620

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 486449

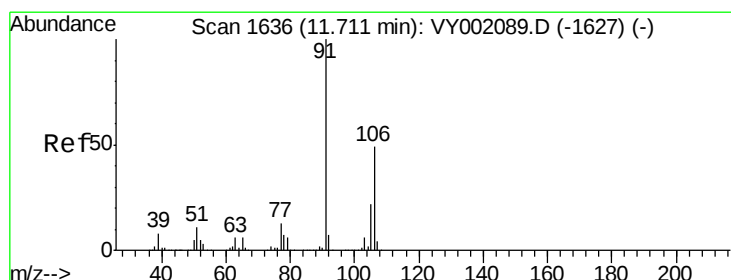
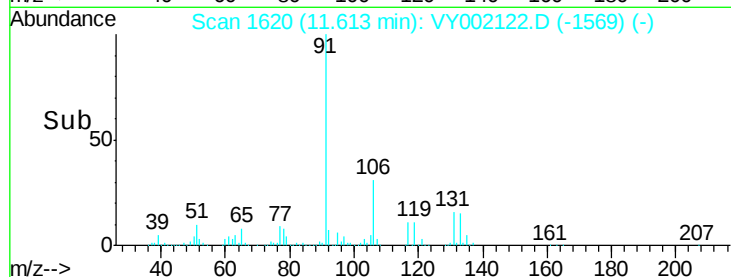
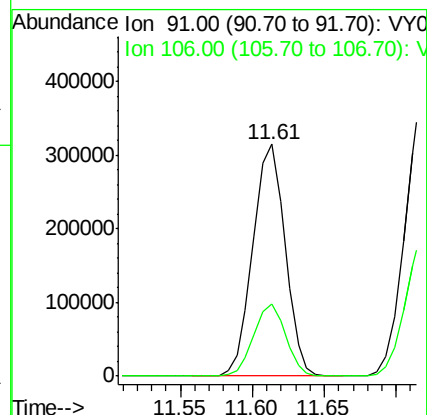
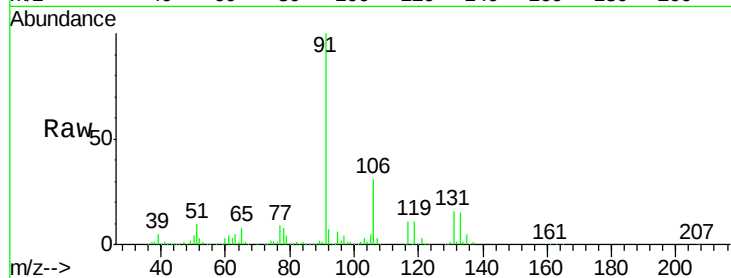
Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 103.808 ug/l

RT: 11.72 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VY002122.D

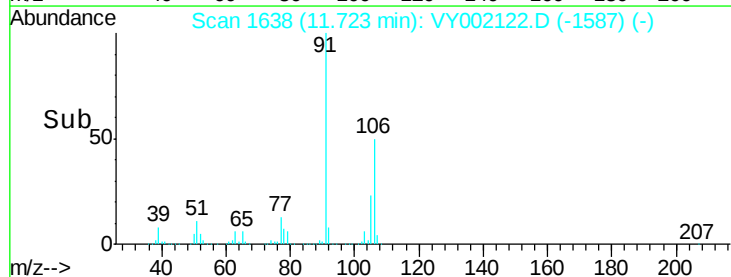
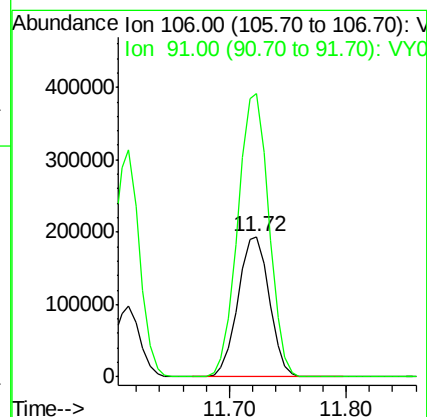
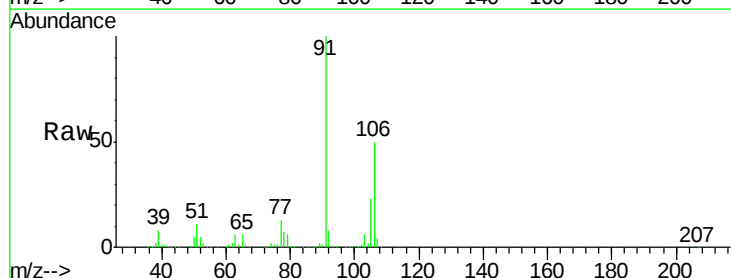
Acq: 31 Mar 2020 10:39

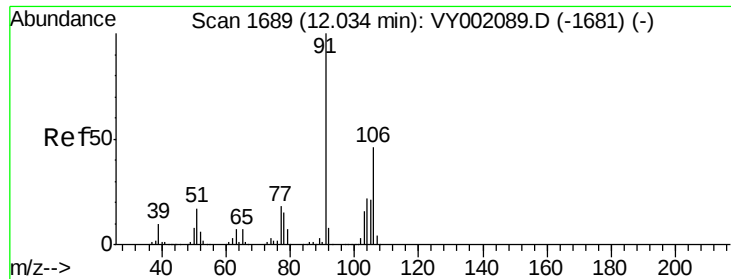
Tgt Ion: 106 Resp: 363438

Ion Ratio Lower Upper

106 100

91 200.4 162.8 244.2





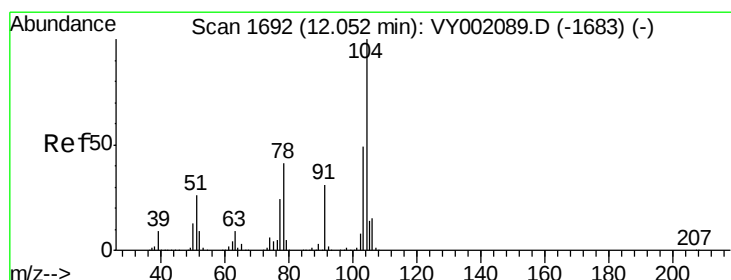
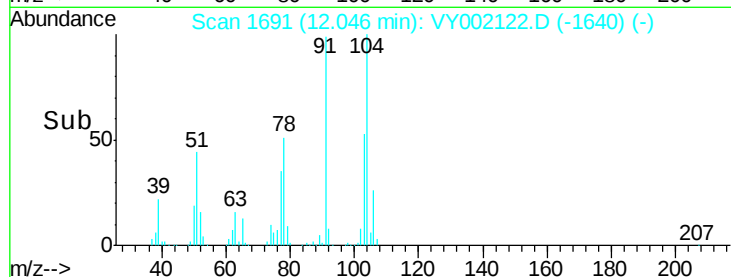
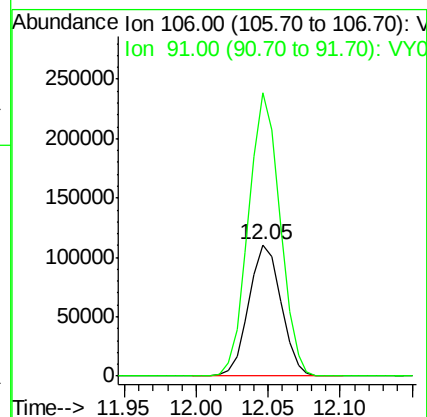
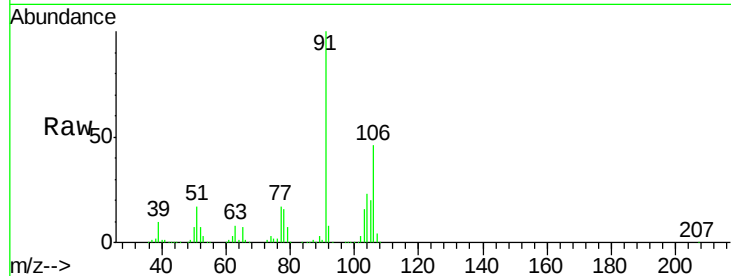
#69
o-Xylene
Concen: 51.553 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	171214		
91	91	211.9	107.3	321.8	

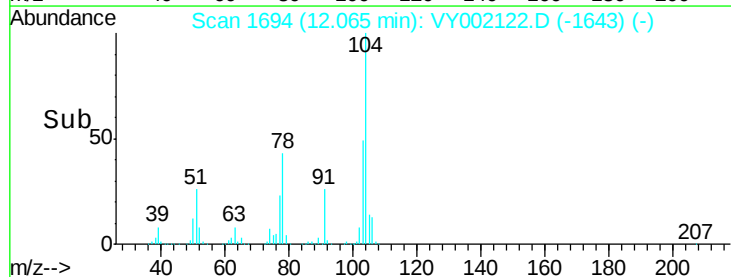
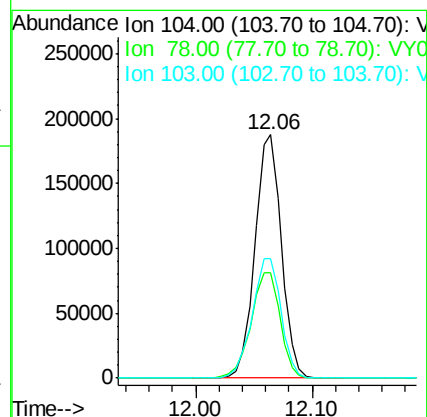
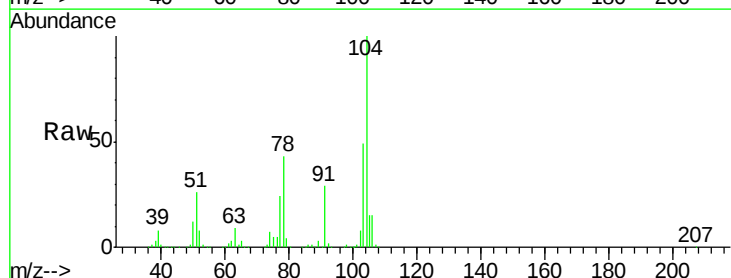
Manual Integrations
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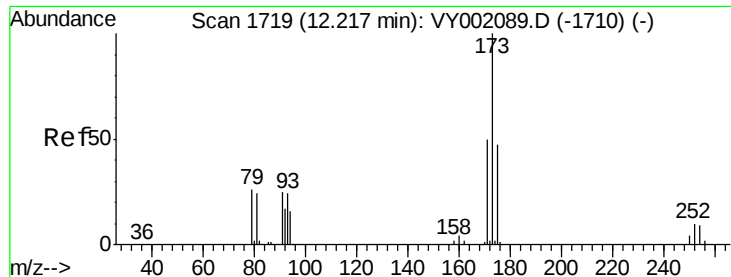
MMDadoda
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#70
Styrene
Concen: 51.510 ug/l
RT: 12.06 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	296438		
78	78	48.0	37.9	56.9	
103	103	54.0	43.2	64.8	





#71

Bromoform

Concen: 51.280 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 47906

Ion Ratio Lower Upper

173 100

175 48.7 23.9 71.8

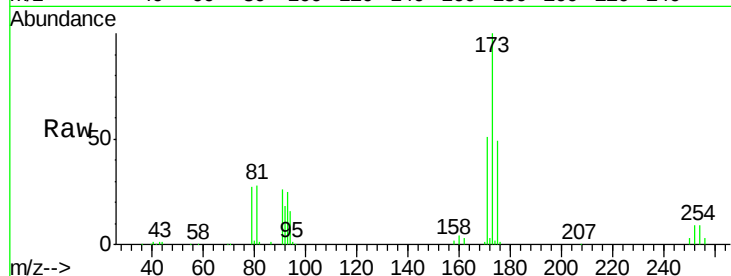
254 0.0 0.0 0.0

Manual Integrations

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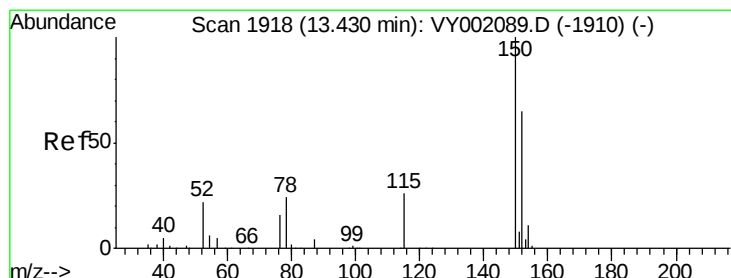
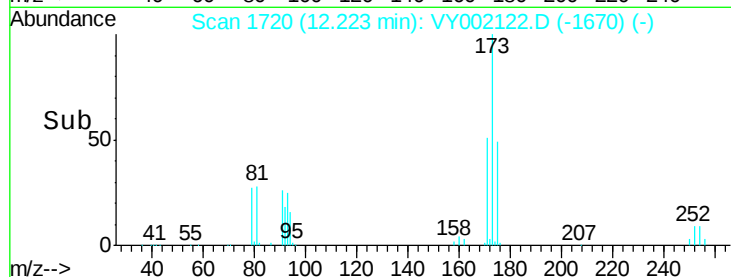
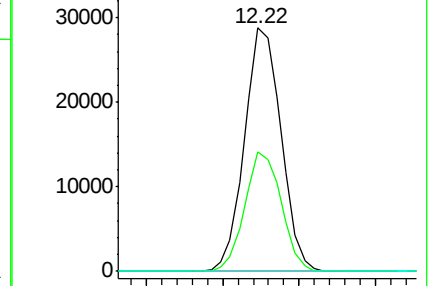
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 1920

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

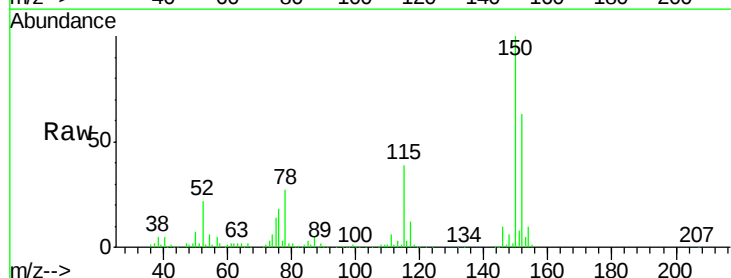
Tgt Ion:152 Resp: 119260

Ion Ratio Lower Upper

152 100

115 61.9 31.2 93.6

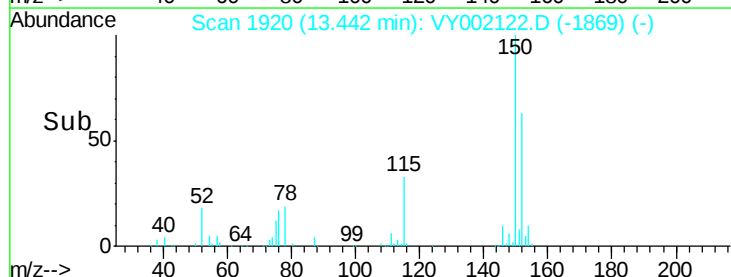
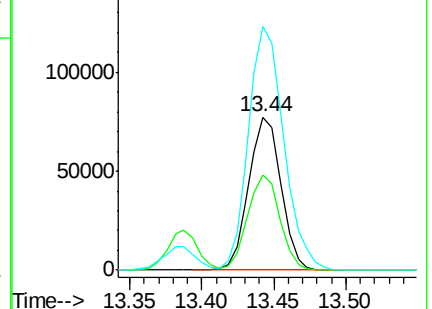
150 174.7 0.0 354.8

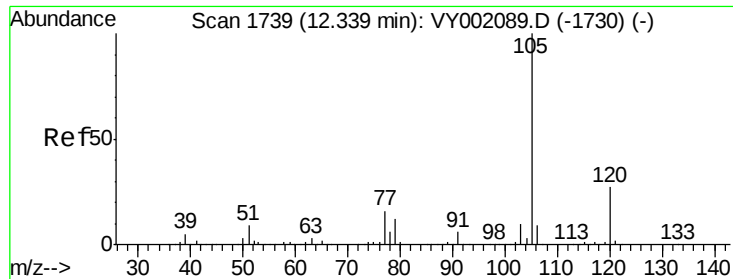


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.258 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 462319

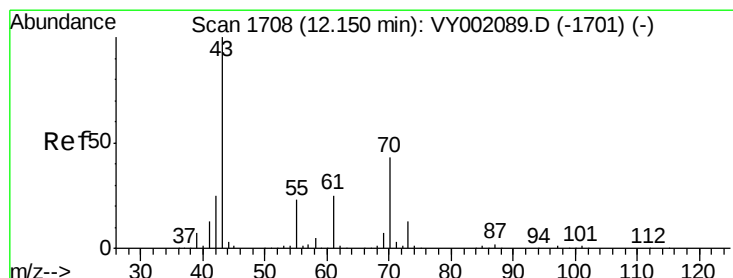
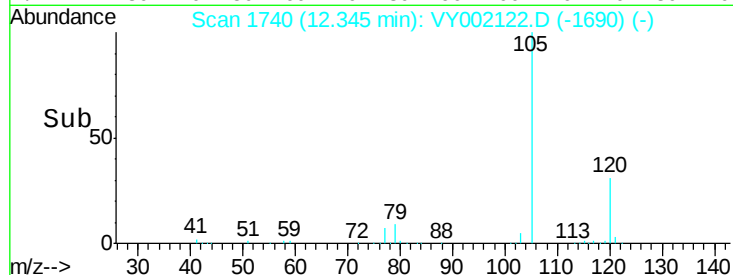
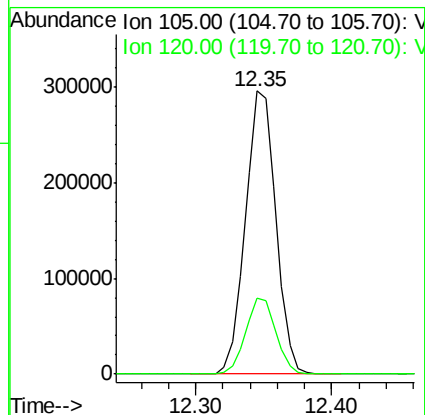
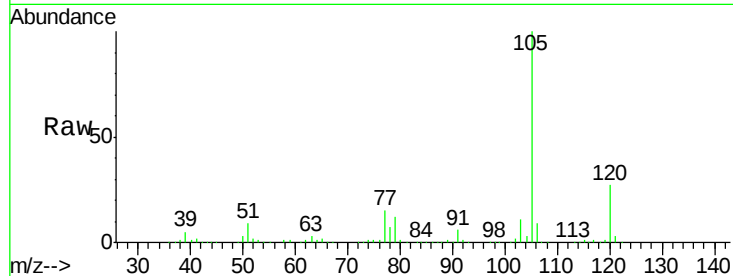
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 45.756 ug/l

RT: 12.16 min Scan# 1710

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Tgt Ion: 43 Resp: 127668

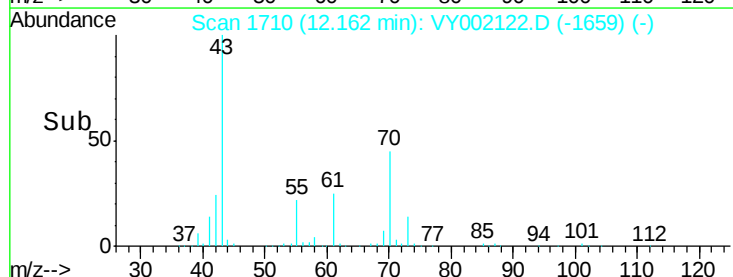
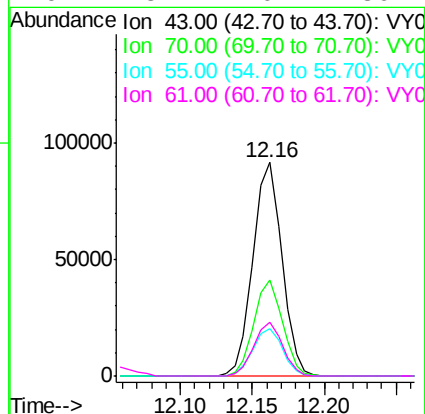
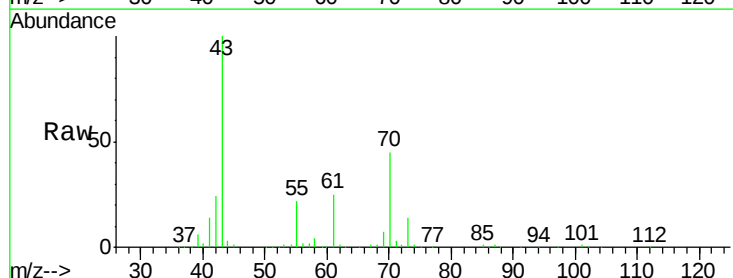
Ion Ratio Lower Upper

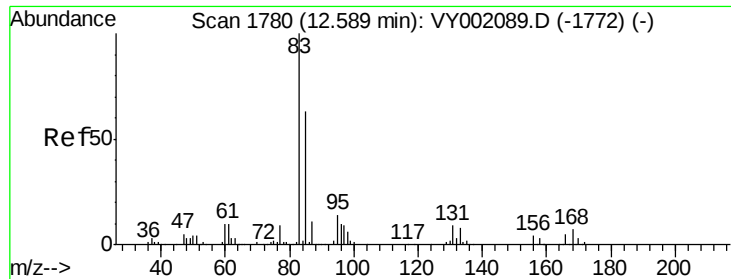
43 100

70 44.4 35.0 52.4

55 22.9 18.7 28.1

61 25.1 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.205 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

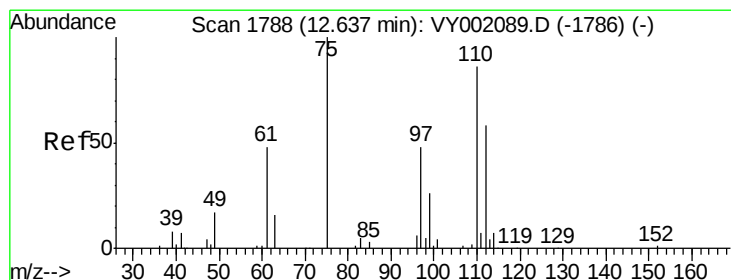
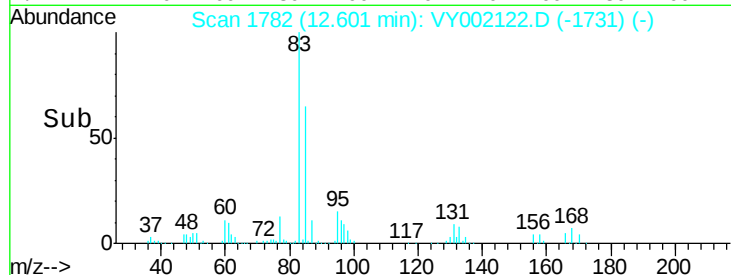
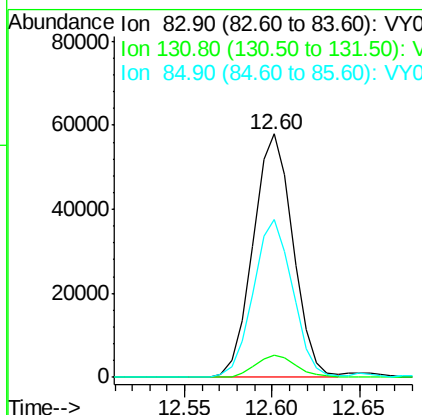
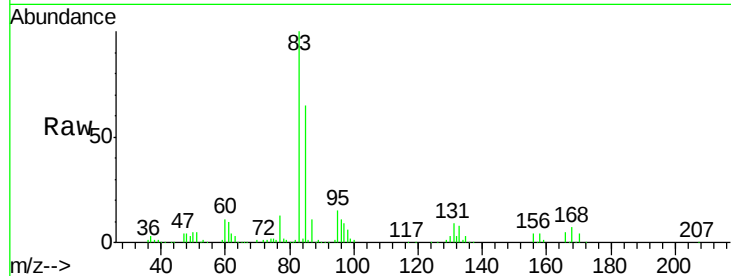
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	91768
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	64.0	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.073 ug/l m

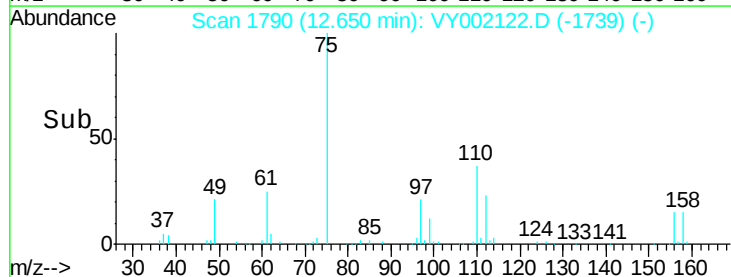
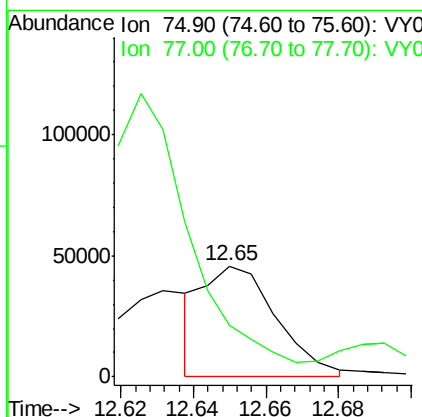
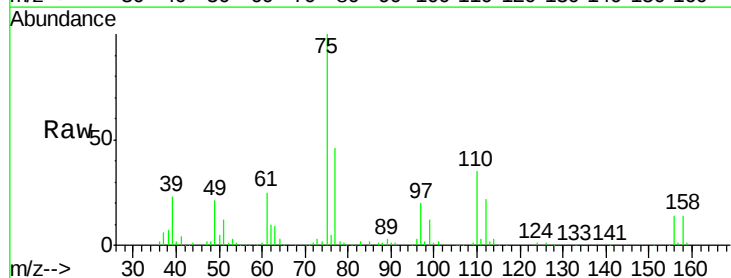
RT: 12.65 min Scan# 1790

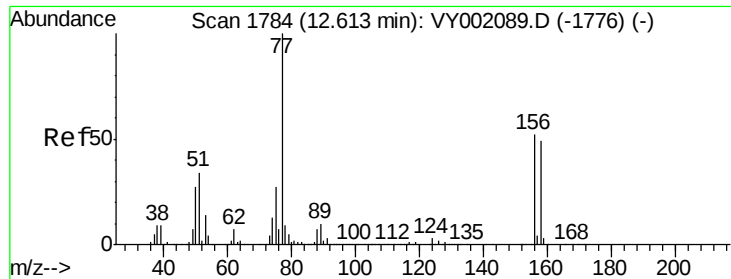
Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Tgt Ion:	75	Resp:	64131
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.456 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

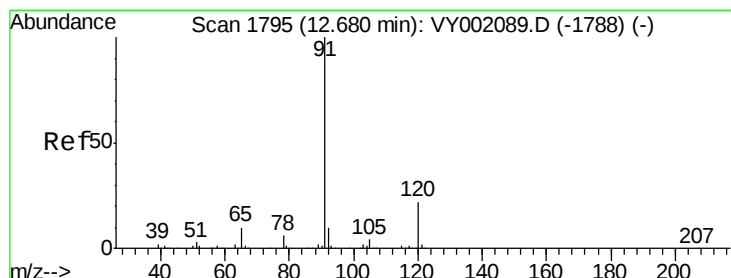
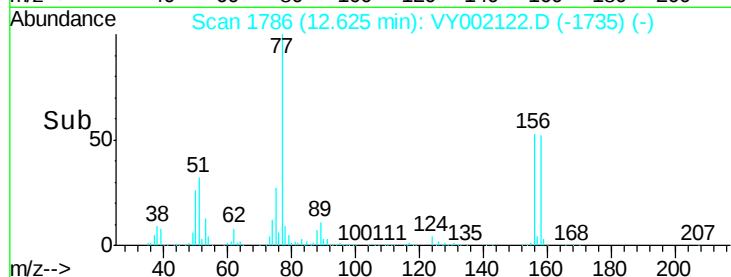
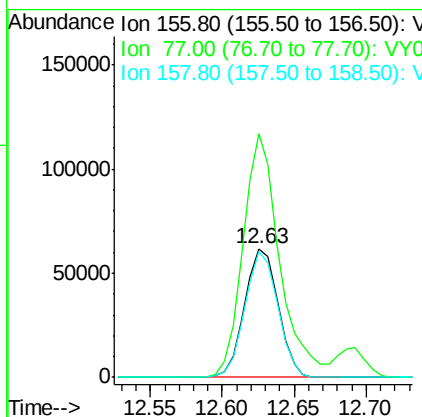
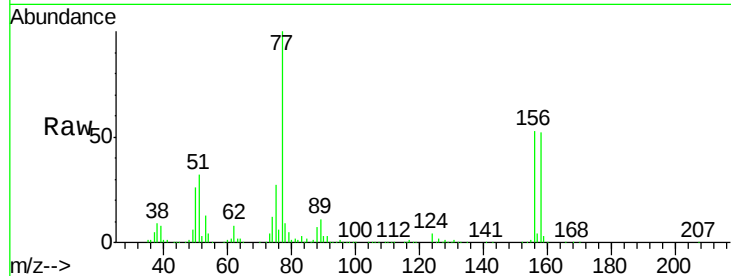
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	205.9	107.8	323.6		
158	96.1	47.5	142.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 51.463 ug/l

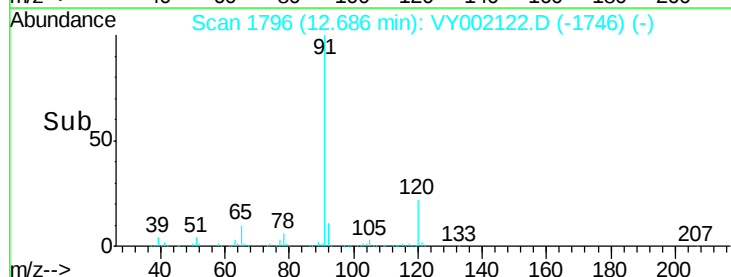
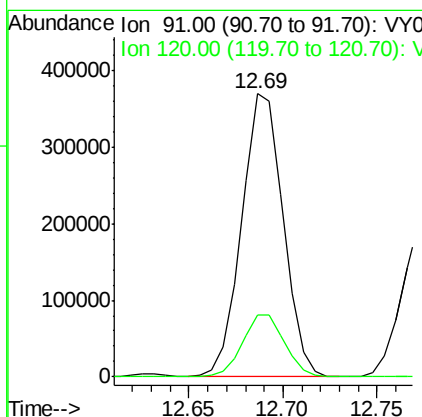
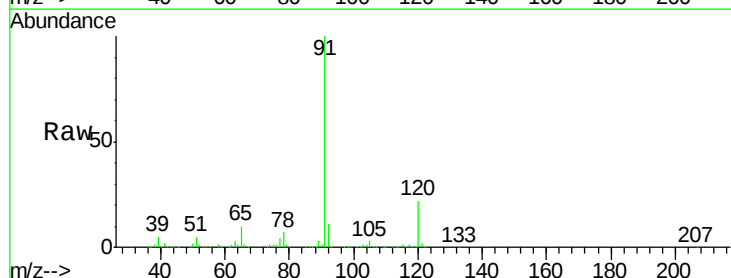
RT: 12.69 min Scan# 1796

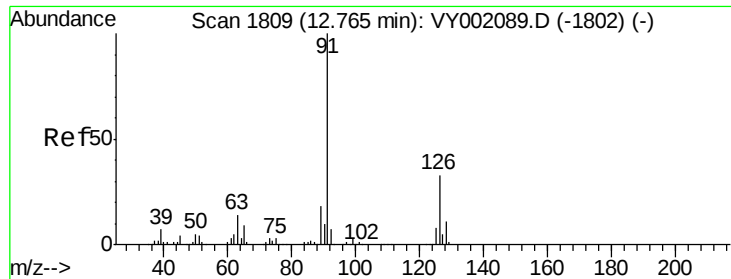
Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.1	11.1	33.1		





#79

2-Chlorotoluene

Concen: 51.723 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 311782

Ion Ratio Lower Upper

91 100

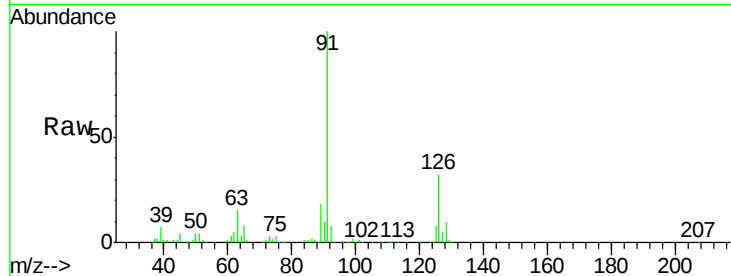
126 33.2 16.4 49.1

Manual Integrations

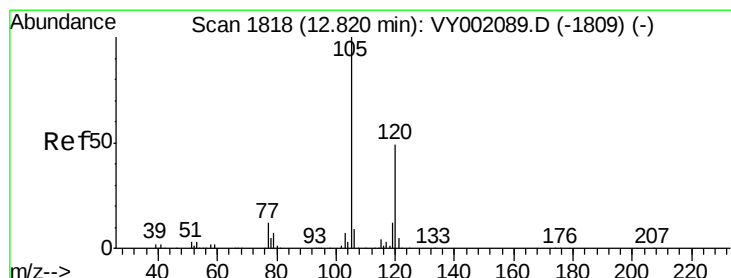
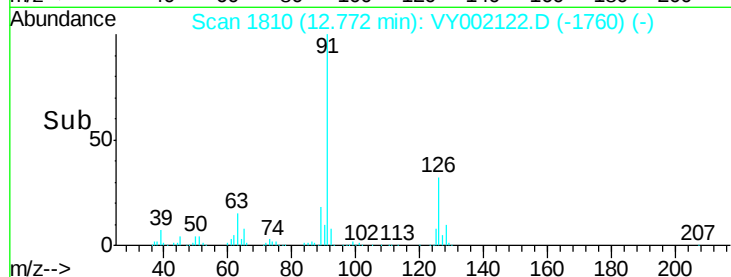
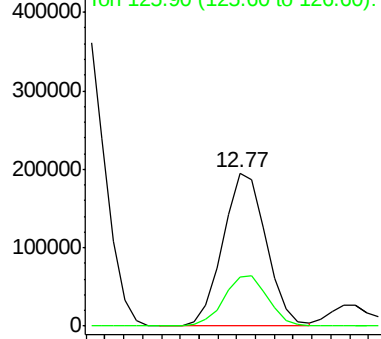
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Abundance Ion 91.00 (90.70 to 91.70): VY002089.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.259 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY002122.D

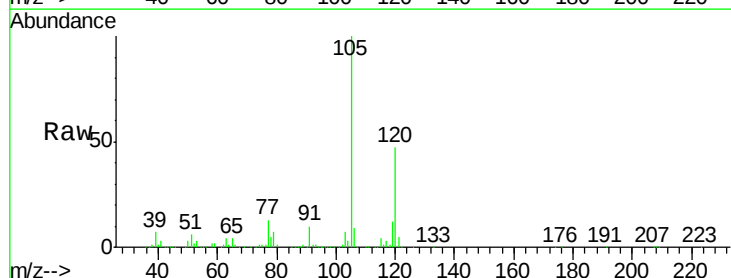
Acq: 31 Mar 2020 10:39

Tgt Ion: 105 Resp: 381432

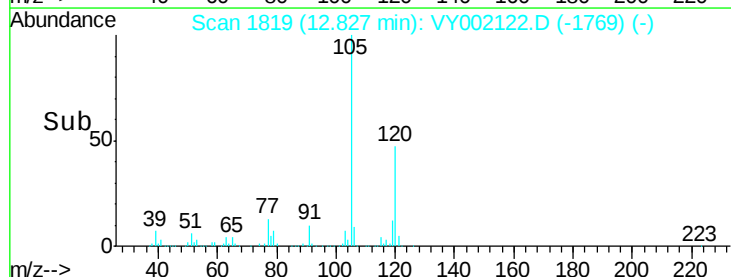
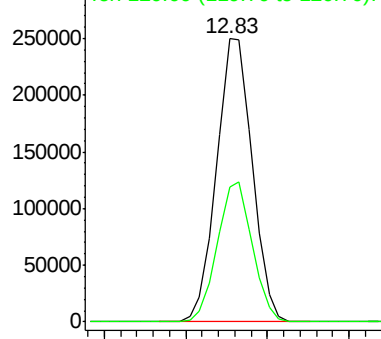
Ion Ratio Lower Upper

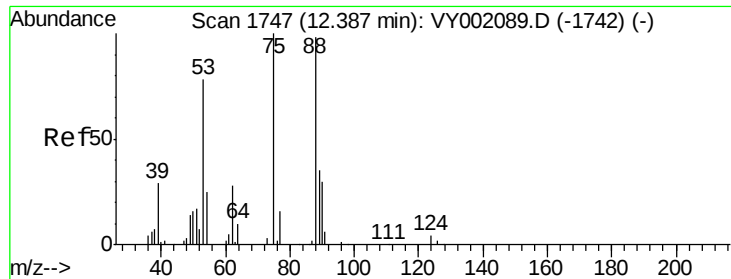
105 100

120 48.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002089.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.900 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

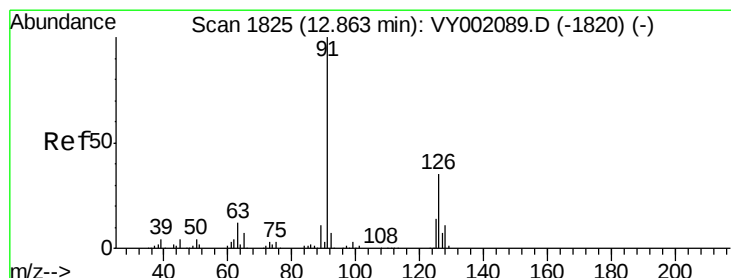
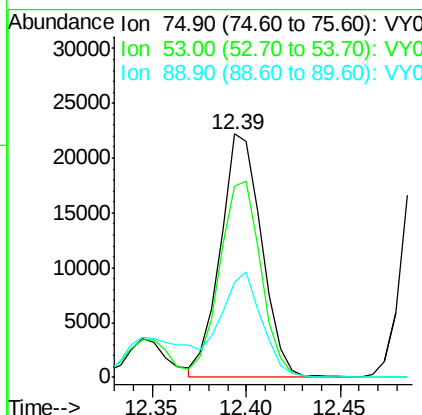
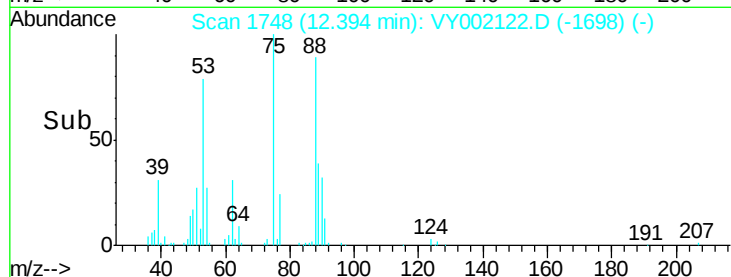
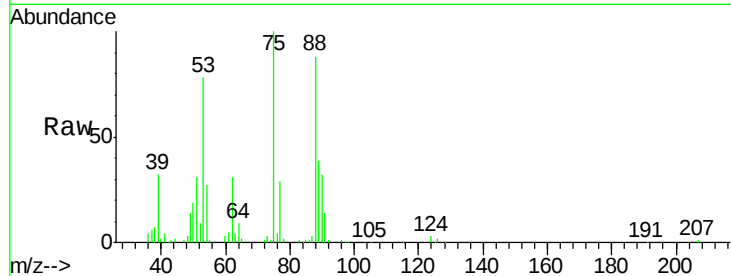
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	33672
Ion	Ratio	Lower	Upper
75	100		
53	79.7	65.0	97.4
89	42.8	33.4	50.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.301 ug/l

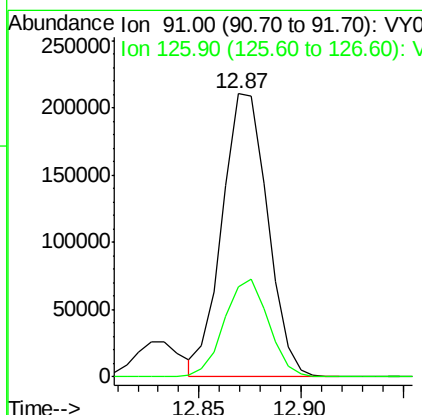
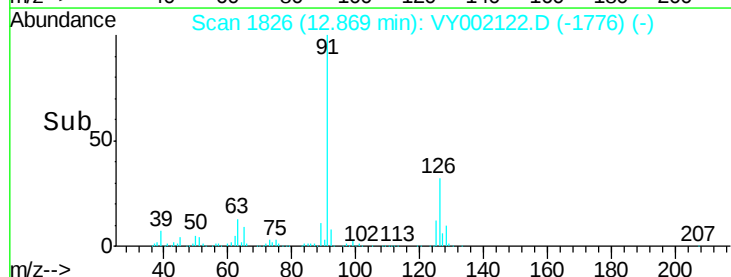
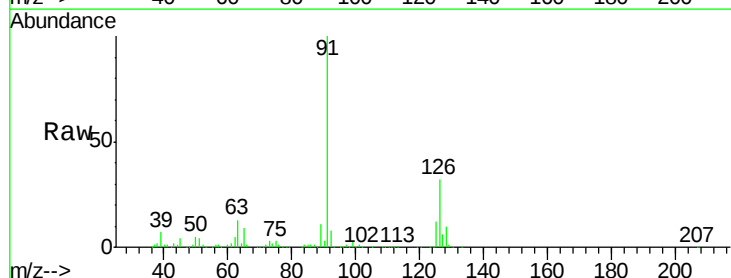
RT: 12.87 min Scan# 1826

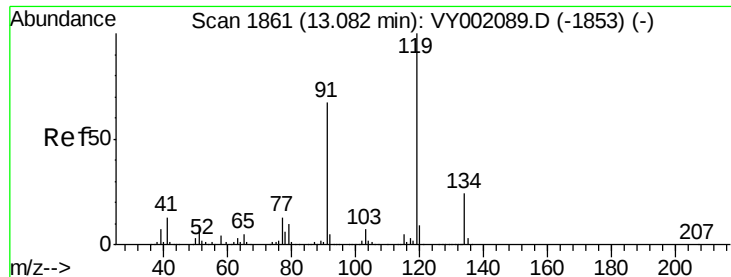
Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Tgt Ion:	91	Resp:	325862
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.3	48.9





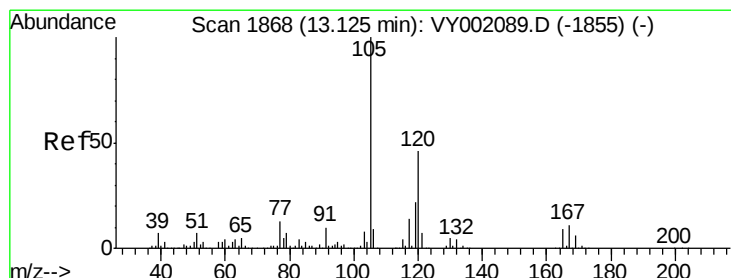
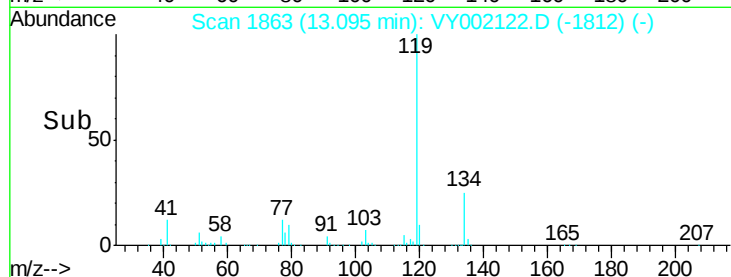
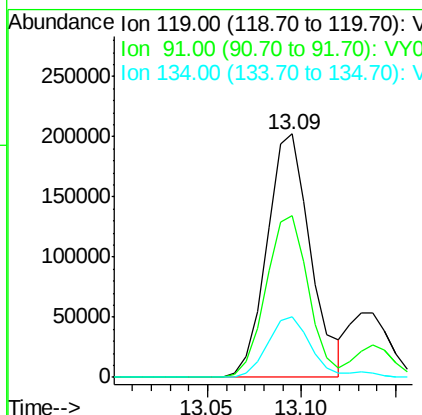
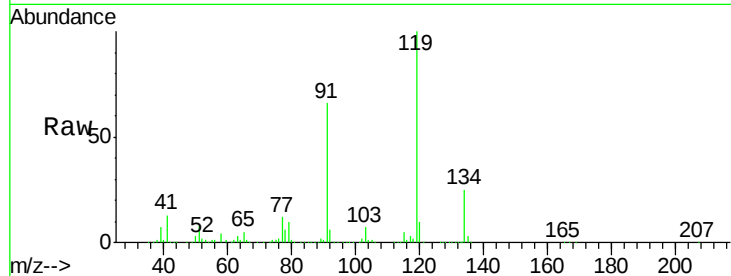
#83
tert-Butylbenzene
Concen: 53.244 ug/l
RT: 13.09 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.9	98.6
134	25.8	13.0	38.9

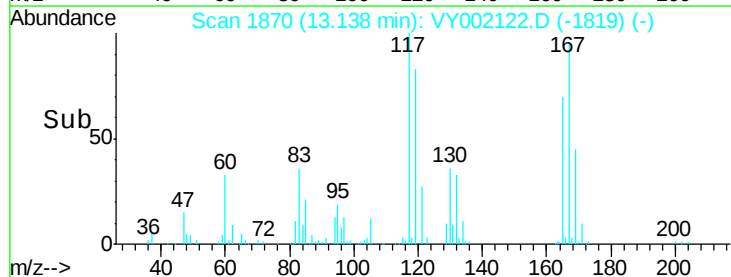
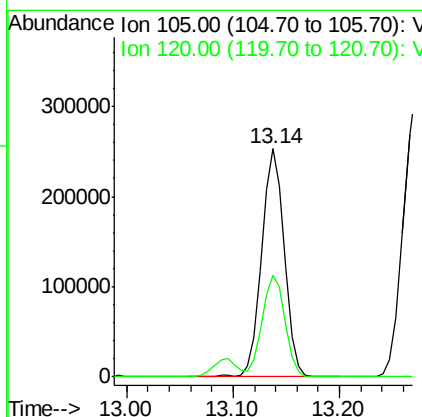
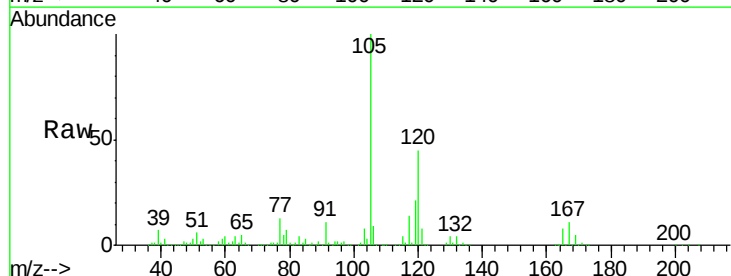
Manual Integrations
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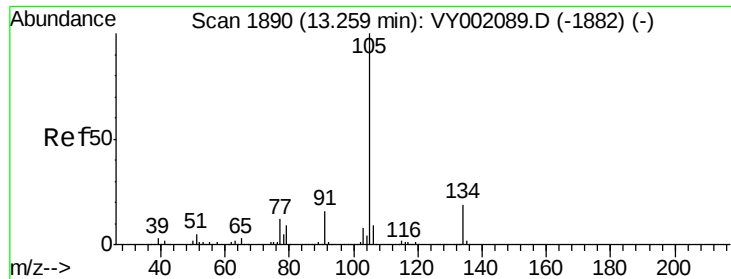
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#84
1,2,4-Trimethylbenzene
Concen: 51.828 ug/l
RT: 13.14 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.9	68.5





#85

sec-Butylbenzene

Concen: 51.765 ug/l

RT: 13.27 min Scan# 1892

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 467126

Ion Ratio Lower Upper

105 100

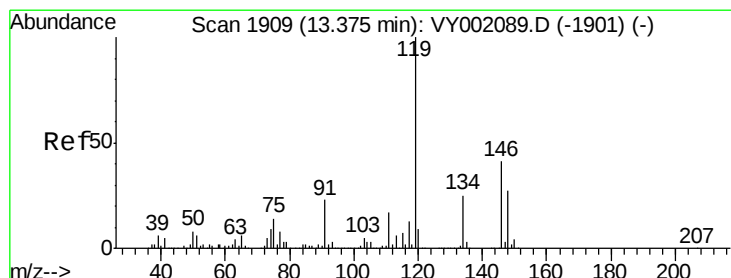
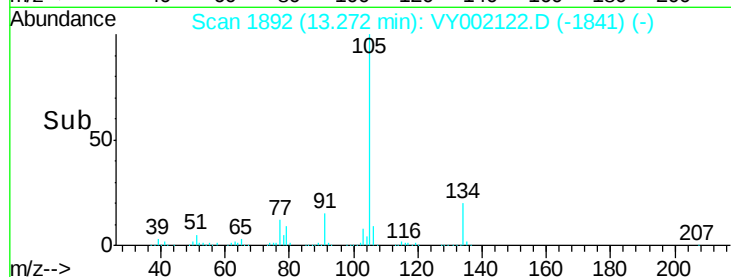
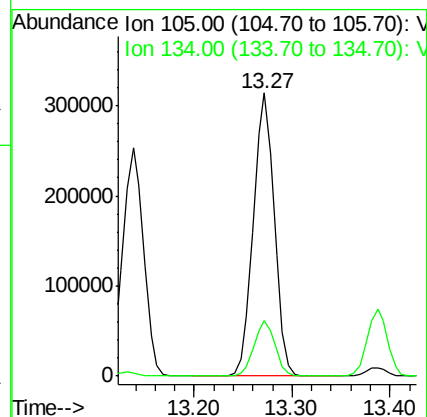
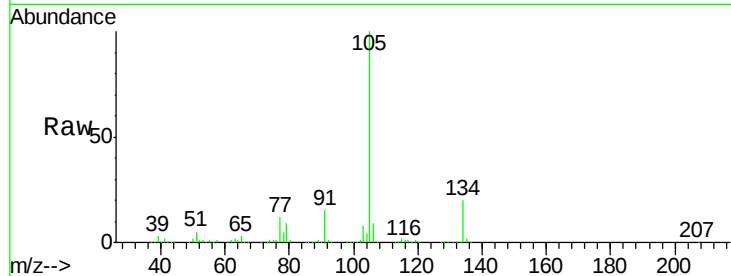
134 19.5 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.291 ug/l

RT: 13.39 min Scan# 1911

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

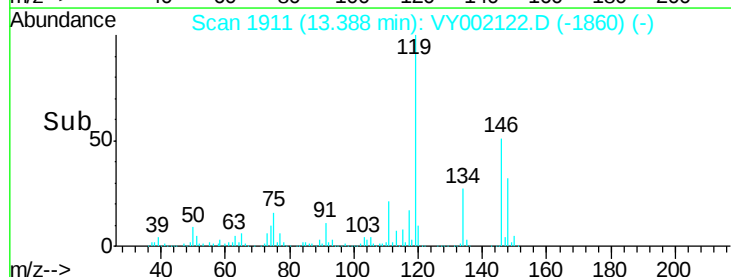
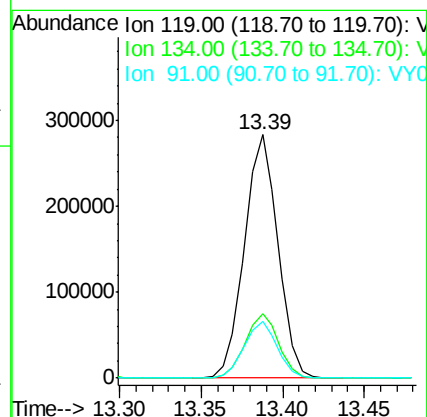
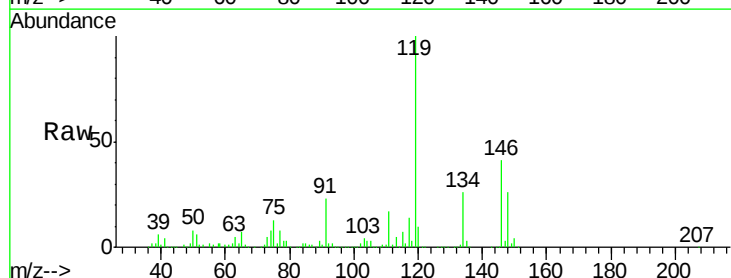
Tgt Ion:119 Resp: 405220

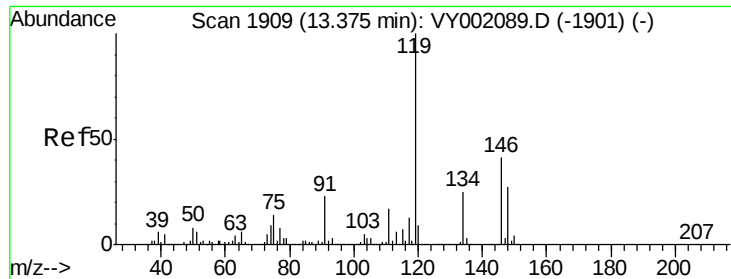
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 23.0 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 51.197 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

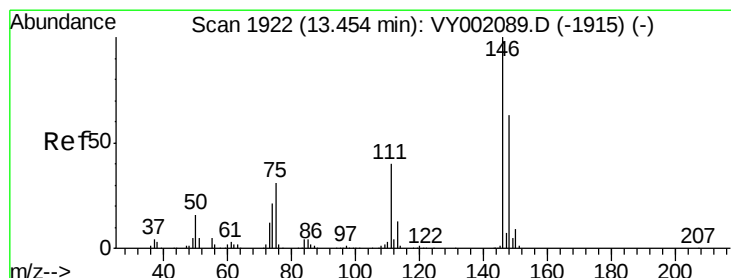
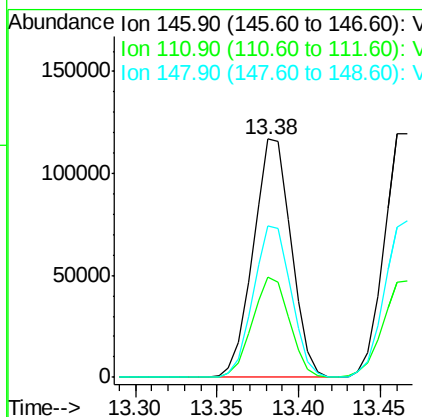
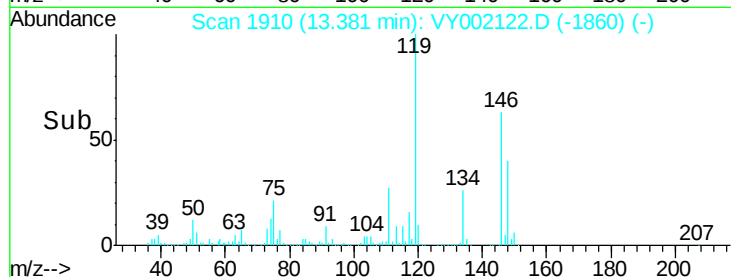
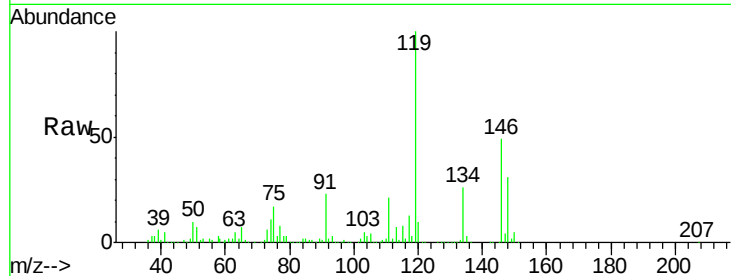
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189149		
111	41.5	20.9	62.8	
148	63.6	32.1	96.5	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.006 ug/l

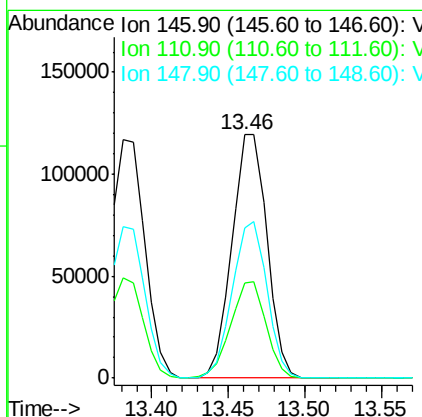
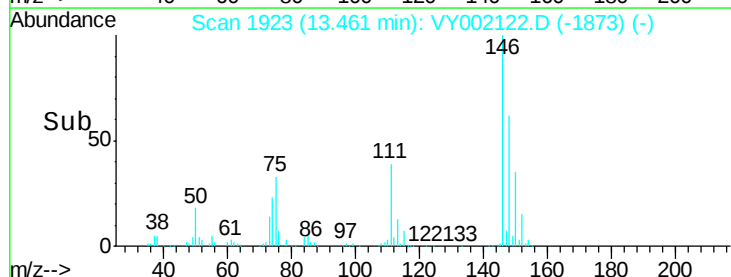
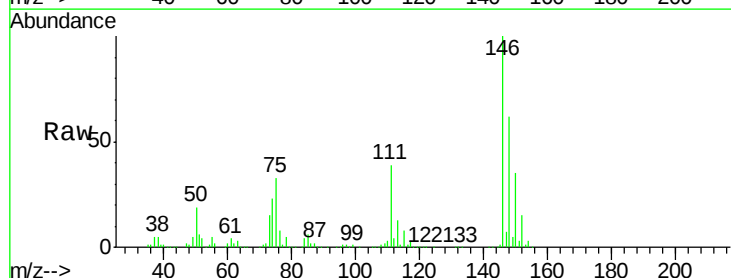
RT: 13.46 min Scan# 1923

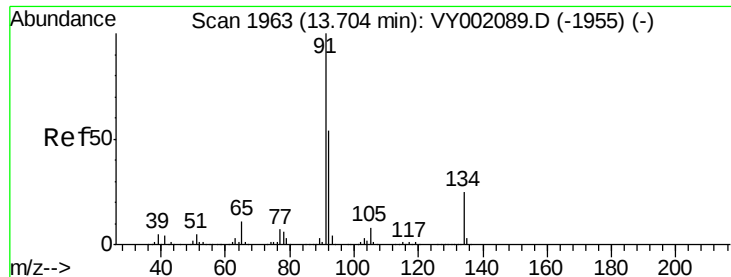
Delta R.T. 0.01 min

Lab File: VY002122.D

Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	189627		
111	40.0	20.3	60.9	
148	63.3	31.5	94.5	





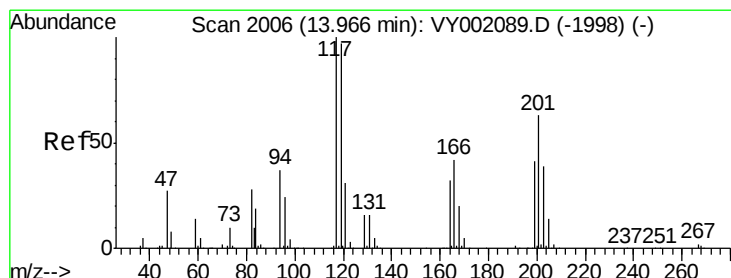
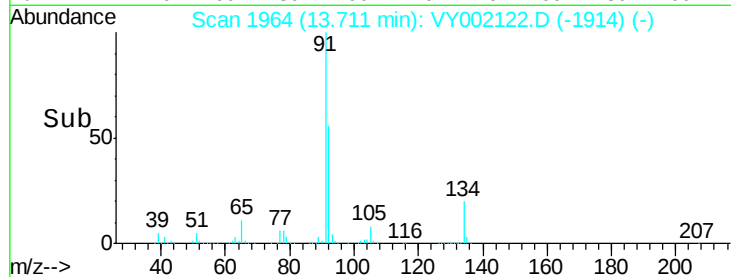
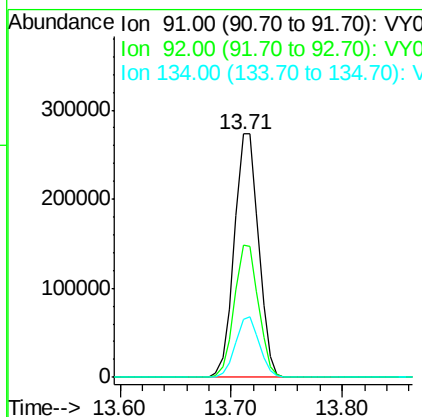
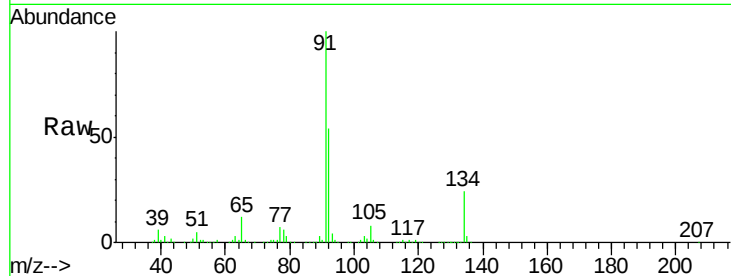
#89
n-Butylbenzene
Concen: 51.002 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.0	81.0	
134	24.3	12.3	36.8	

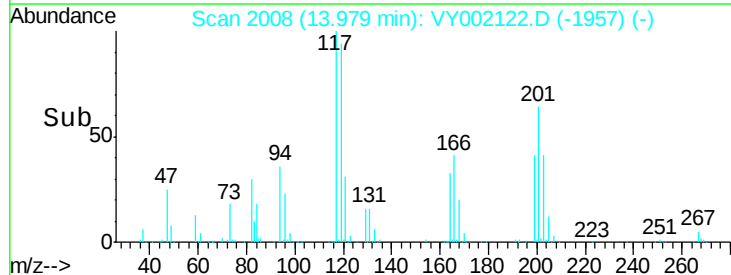
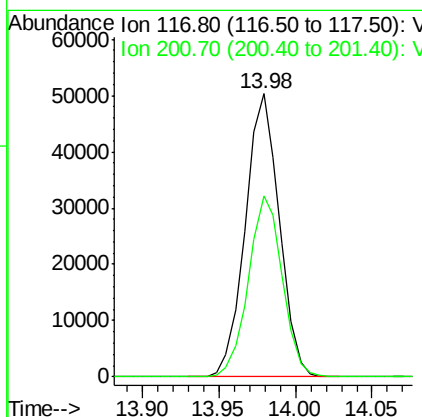
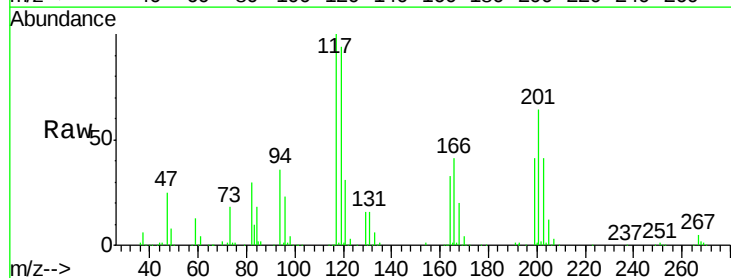
Manual Integrations
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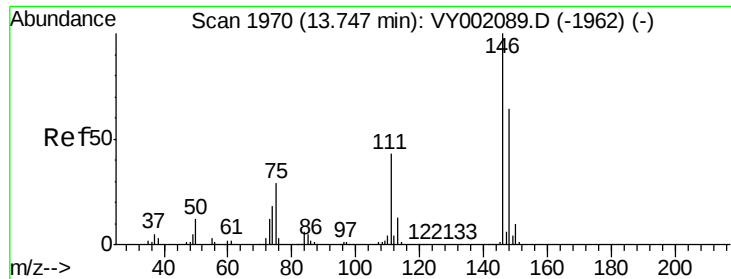
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#90
Hexachloroethane
Concen: 53.161 ug/l
RT: 13.98 min Scan# 2008
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	63.7	31.6	94.8	





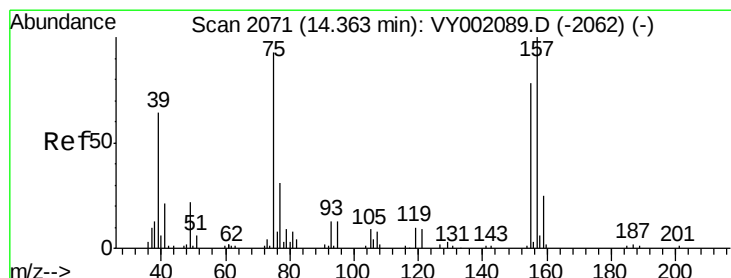
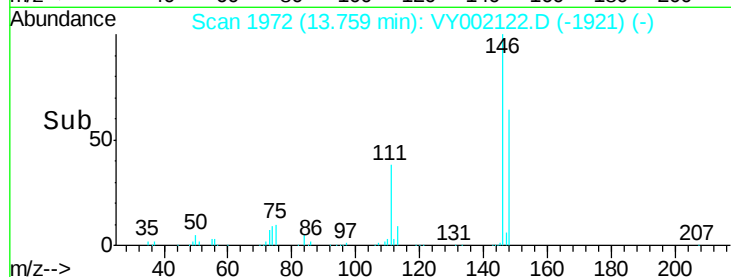
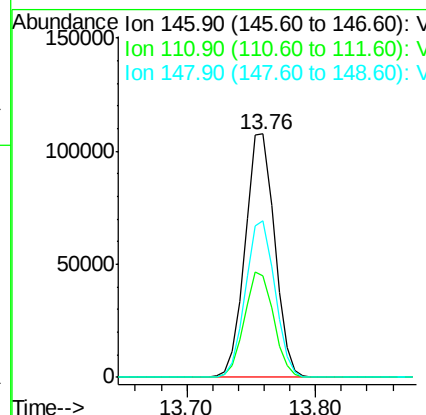
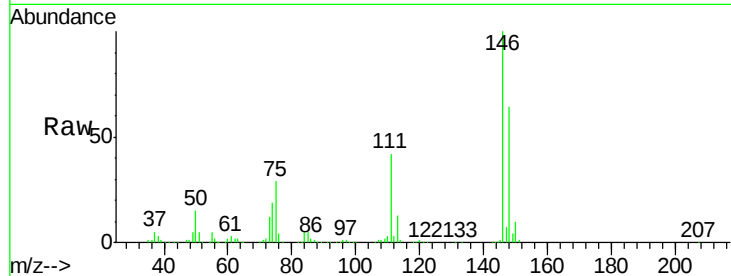
#91
 1,2-Dichlorobenzene
 Concen: 49.696 ug/l
 RT: 13.76 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.7
148	64.2	31.8	95.4

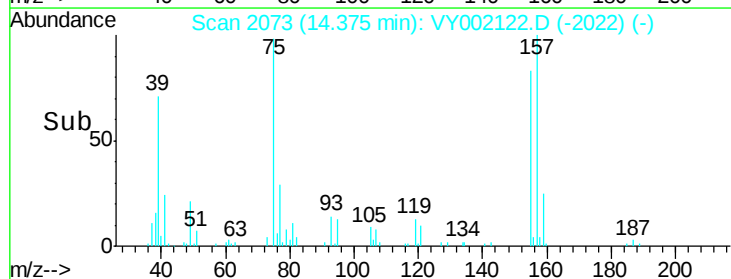
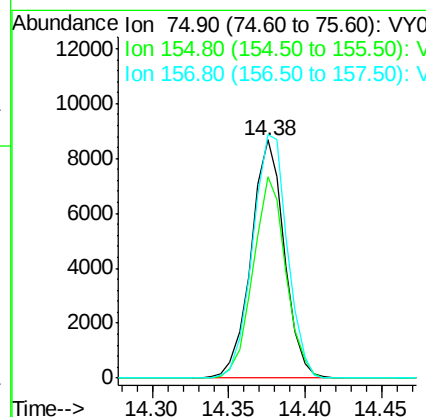
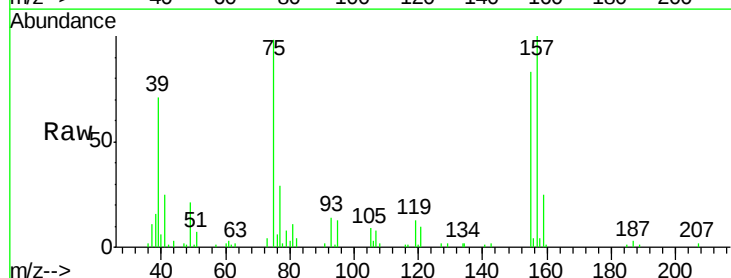
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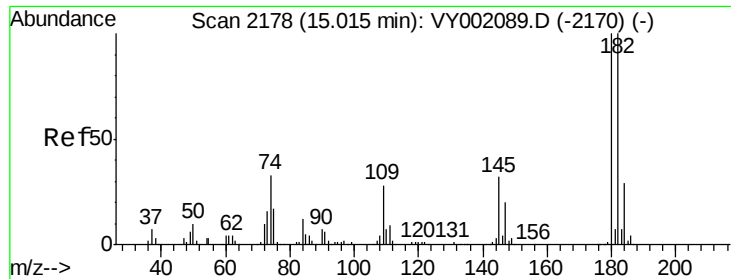
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.890 ug/l
 RT: 14.38 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	41.6	124.9
157	106.9	53.4	160.3





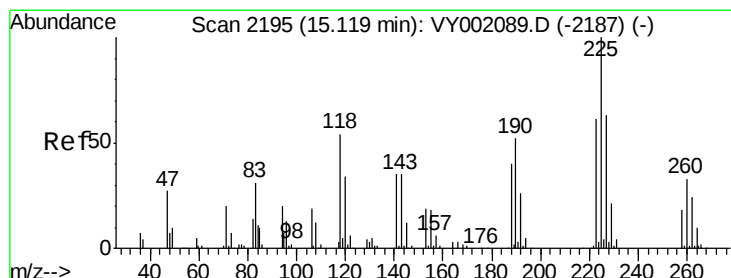
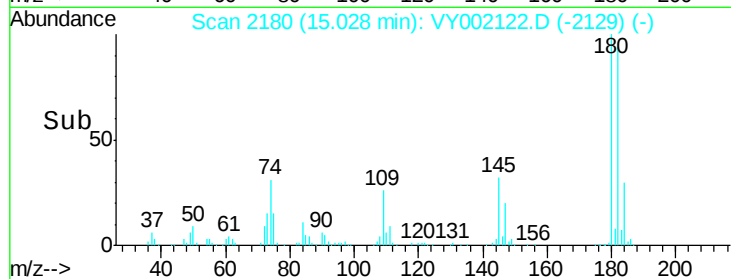
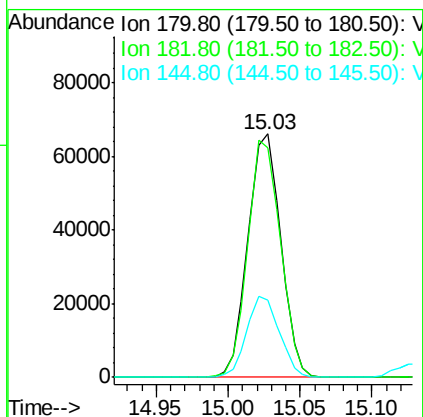
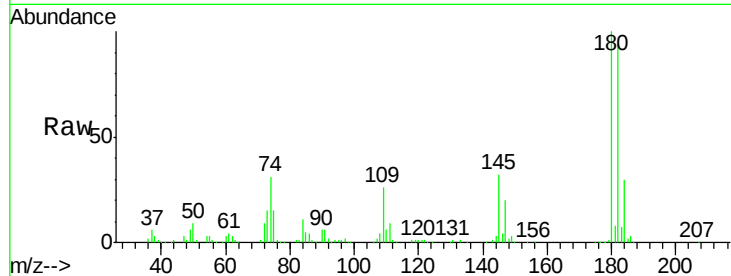
#93
 1,2,4-Trichlorobenzene
 Concen: 47.449 ug/l
 RT: 15.03 min Scan# 2180
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104344		
182	97.0	48.1	144.3	
145	33.0	15.9	47.6	

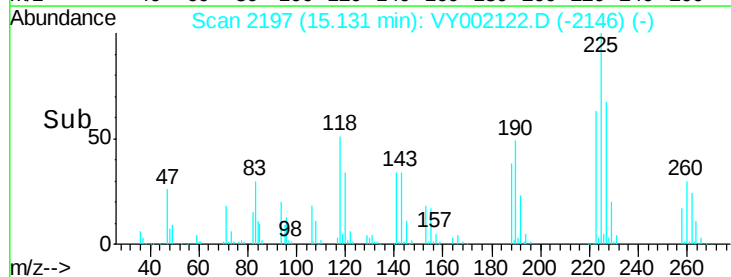
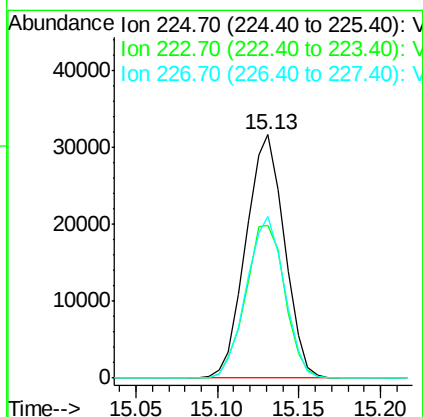
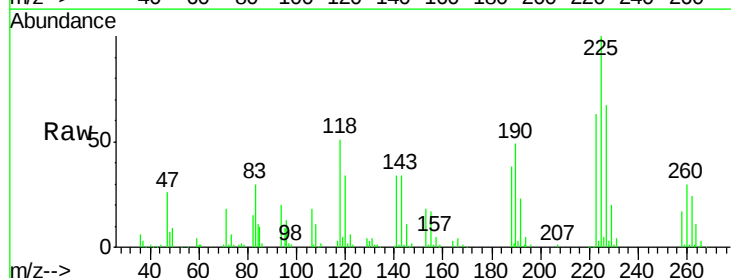
Manual Integrations
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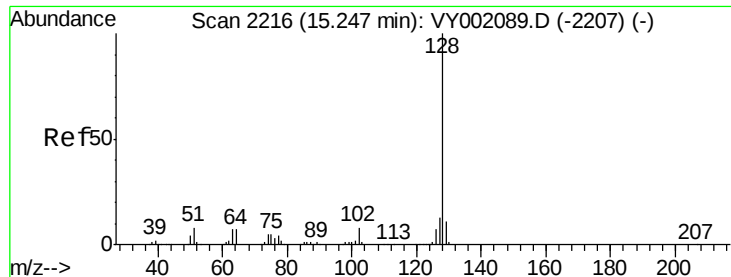
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#94
 Hexachlorobutadiene
 Concen: 48.055 ug/l
 RT: 15.13 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: VY002122.D
 Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52164		
223	64.3	31.1	93.3	
227	65.3	31.6	94.7	





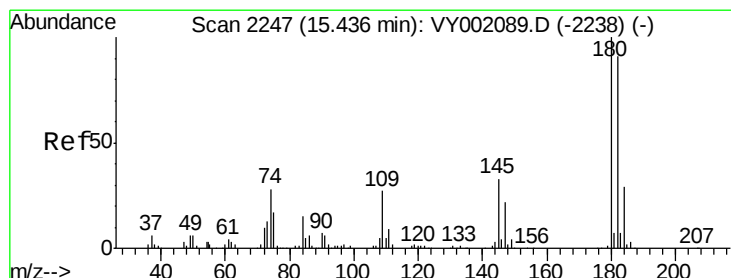
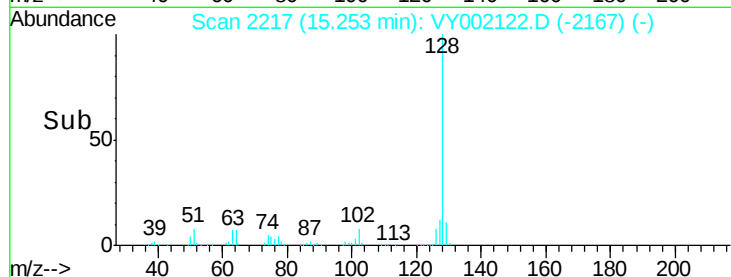
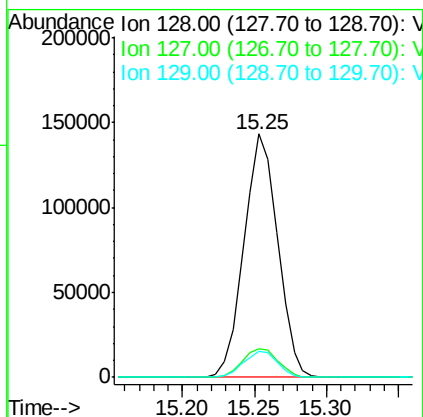
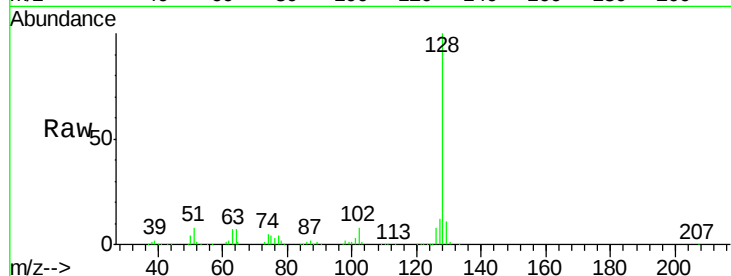
#95
Naphthalene
Concen: 44.521 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.4	9.8	14.8
129	11.0	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 45.404 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY002122.D
Acq: 31 Mar 2020 10:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.1	46.8	140.3
145	34.8	16.7	50.1

