

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
 Data File : VY001522.D
 Acq On : 05 Feb 2020 20:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 12:47:06 PM

Quant Time: Feb 06 08:12:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	188014	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	339288	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	310401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	149284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	113099	59.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	7.75	113	101253	51.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	10.20	98	415457	56.13	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.26%	
62) 4-Bromofluorobenzene	12.49	95	158514	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	89251	48.495	ug/l	98
3) Chloromethane	2.13	50	120190	62.484	ug/l	97
4) Vinyl Chloride	2.27	62	121945	61.055	ug/l	98
5) Bromomethane	2.67	94	83472	66.453	ug/l	99
6) Chloroethane	2.82	64	78014	64.800	ug/l	99
7) Trichlorofluoromethane	3.15	101	158928	48.072	ug/l	100
8) Diethyl Ether	3.56	74	64959	58.226	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.94	101	98866	49.701	ug/l	99
10) Methyl Iodide	4.13	142	127259	50.208	ug/l	98
11) Tert butyl alcohol	5.00	59	60877	291.602	ug/l	98
12) 1,1-Dichloroethene	3.91	96	101648	51.423	ug/l	92
13) Acrolein	3.77	56	47330	264.047	ug/l	99
14) Allyl chloride	4.52	41	180505	59.692	ug/l	97
15) Acrylonitrile	5.21	53	171914	336.130	ug/l	100
16) Acetone	3.98	43	153210	279.795	ug/l	94
17) Carbon Disulfide	4.23	76	337099	53.569	ug/l	98
18) Methyl Acetate	4.52	43	79538	68.067	ug/l	95
19) Methyl tert-butyl Ether	5.27	73	306189	58.246	ug/l	95
20) Methylene Chloride	4.76	84	123523	58.406	ug/l	92
21) trans-1,2-Dichloroethene	5.27	96	119216	54.251	ug/l	96
22) Diisopropyl ether	6.16	45	390563	65.191	ug/l	97
23) Vinyl Acetate	6.10	43	1265476	331.811	ug/l	95
24) 1,1-Dichloroethane	6.07	63	206760	57.376	ug/l	98
25) 2-Butanone	7.02	43	237974	334.986	ug/l	97
26) 2,2-Dichloropropane	7.02	77	169128	49.039	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	133779	55.738	ug/l	97
28) Bromochloromethane	7.37	49	87109	70.958	ug/l	89
29) Tetrahydrofuran	7.38	42	155989	366.351	ug/l	94
30) Chloroform	7.54	83	201150	55.107	ug/l	97
31) Cyclohexane	7.82	56	199841	54.214	ug/l	94
32) 1,1,1-Trichloroethane	7.74	97	171743	51.895	ug/l	98
36) 1,1-Dichloropropene	7.95	75	160940	51.852	ug/l	99
37) Ethyl Acetate	7.11	43	104182	69.337	ug/l	96
38) Carbon Tetrachloride	7.93	117	147168	49.007	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	210712	51.558	ug/l	99
40) Benzene	8.19	78	486085	54.905	ug/l	99
41) Methacrylonitrile	7.35	41	45399m	65.192	ug/l	
42) 1,2-Dichloroethane	8.27	62	143105	58.020	ug/l	99
43) Isopropyl Acetate	8.30	43	200143	67.275	ug/l	95
44) Trichloroethene	8.96	130	123615	51.801	ug/l	99
45) 1,2-Dichloropropane	9.24	63	124514	58.244	ug/l	98
46) Dibromomethane	9.33	93	67548	56.269	ug/l	99
47) Bromodichloromethane	9.52	83	162063	55.408	ug/l	99
48) Methyl methacrylate	9.32	41	92474	68.487	ug/l	94
49) 1,4-Dioxane	9.32	88	18521	1168.249	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	517364	353.126	ug/l	96
52) Toluene	10.26	92	305508	54.386	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	180478	56.651	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	203131	55.540	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	99840	57.968	ug/l	97
56) Ethyl methacrylate	10.52	69	153368	62.606	ug/l	93
57) 1,3-Dichloropropane	10.81	76	176345	58.083	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	273572	303.566	ug/l	96
59) 2-Hexanone	10.85	43	374520	351.578	ug/l	95
60) Dibromochloromethane	11.00	129	112635	55.480	ug/l	100
61) 1,2-Dibromoethane	11.11	107	96983	57.170	ug/l	99
64) Tetrachloroethene	10.74	164	111116	54.585	ug/l	98
65) Chlorobenzene	11.53	112	322876	52.977	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	113446	53.184	ug/l	99
67) Ethyl Benzene	11.61	91	595790	52.871	ug/l	100
68) m/p-Xylenes	11.72	106	443118	104.746	ug/l	99
69) o-Xylene	12.04	106	214881	53.873	ug/l	99
70) Styrene	12.06	104	378076	54.812	ug/l	99
71) Bromoform	12.22	173	67571	56.889	ug/l	# 98
73) Isopropylbenzene	12.35	105	575359	50.534	ug/l	100
74) N-amyl acetate	12.16	43	194436	65.719	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	127281	58.840	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	93788m	58.420	ug/l	
77) Bromobenzene	12.62	156	127695	51.825	ug/l	92
78) n-propylbenzene	12.68	91	699315	51.305	ug/l	99
79) 2-Chlorotoluene	12.77	91	403036	51.874	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	490399	51.144	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	46917	56.548	ug/l	96
82) 4-Chlorotoluene	12.87	91	431144	52.926	ug/l	99
83) tert-Butylbenzene	13.09	119	408423	50.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	488050	51.426	ug/l	100
85) sec-Butylbenzene	13.27	105	586190	51.441	ug/l	99
86) p-Isopropyltoluene	13.38	119	514694	51.254	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	246360	52.172	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	248170	52.459	ug/l	100
89) n-Butylbenzene	13.71	91	518191	52.300	ug/l	99
90) Hexachloroethane	13.97	117	100514	52.150	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	228521	53.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	22061	55.243	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	149075	51.695	ug/l	99
94) Hexachlorobutadiene	15.13	225	70883	48.431	ug/l	97
95) Naphthalene	15.25	128	354665	52.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	132318	51.980	ug/l	98

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

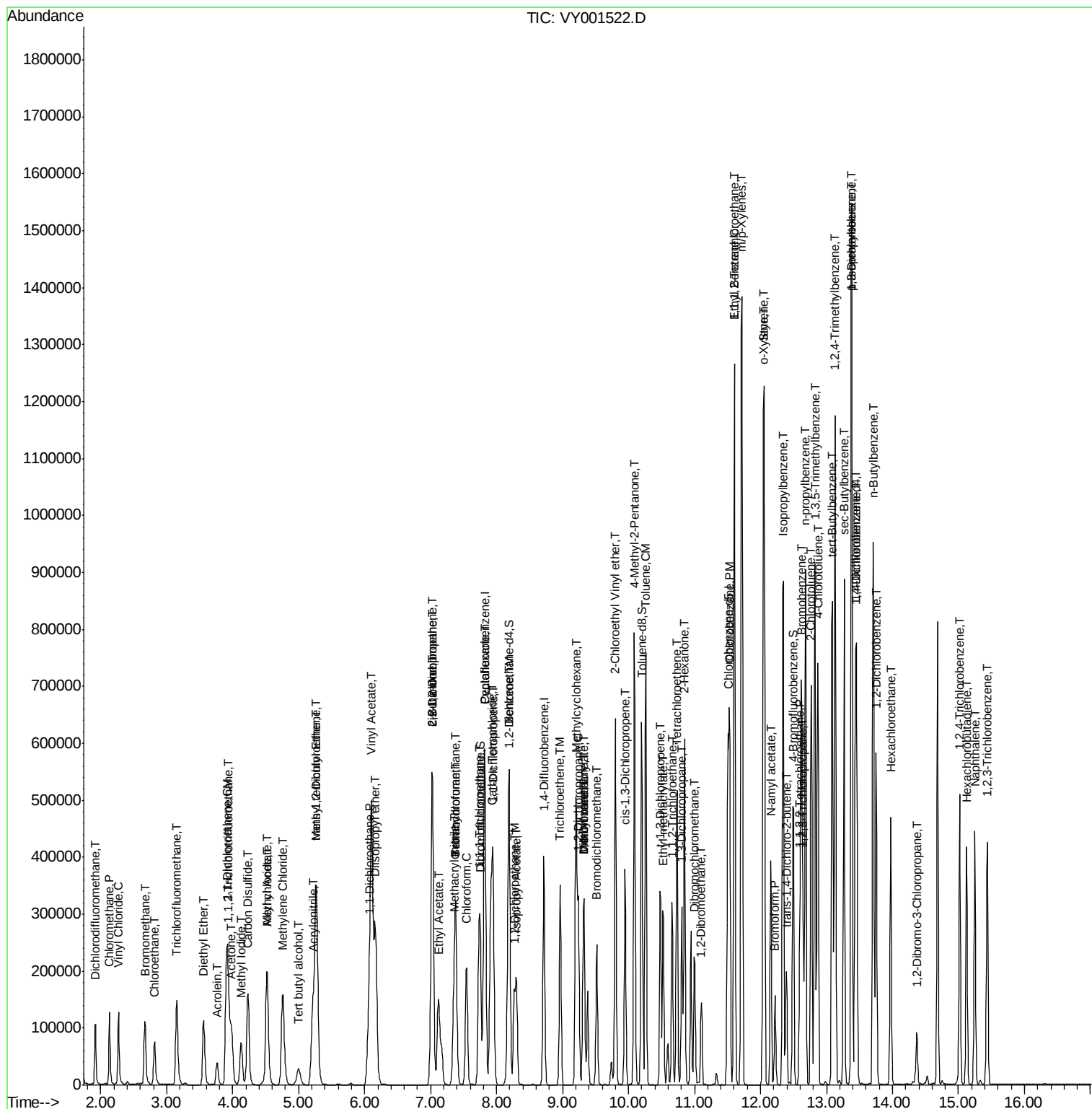
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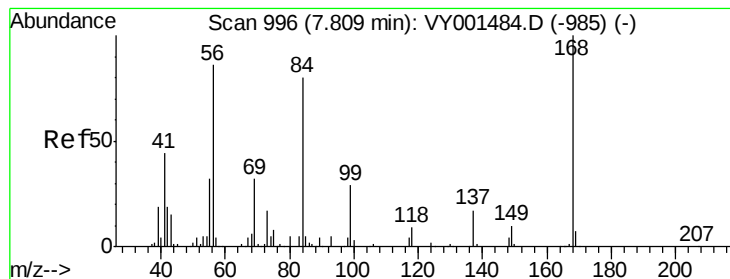
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 188014

Ion Ratio Lower Upper

168 100

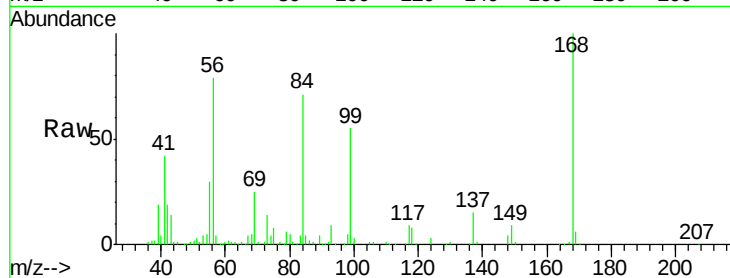
99 55.1 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.83

80000

60000

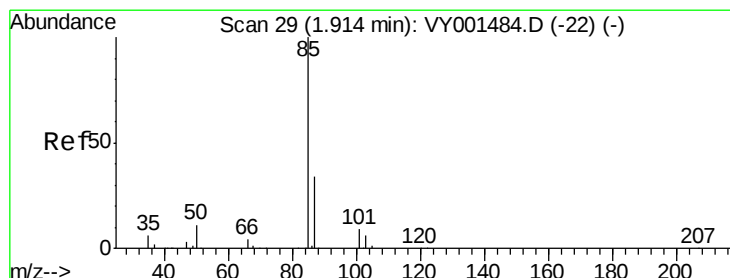
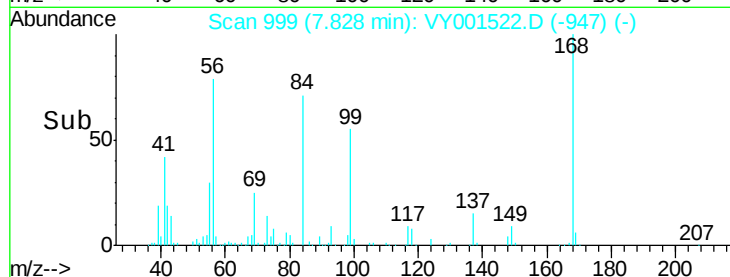
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.495 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001522.D

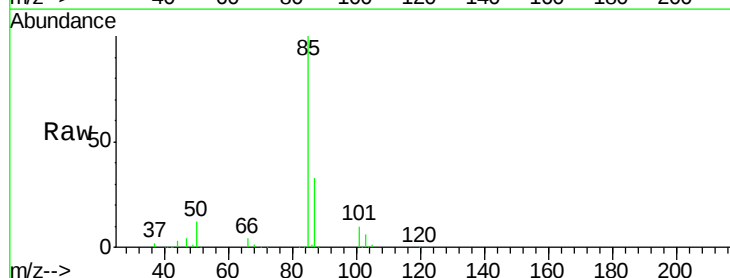
Acq: 05 Feb 2020 20:53

Tgt Ion: 85 Resp: 89251

Ion Ratio Lower Upper

85 100

87 32.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001484.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001484.D (-22) (-)

1.92

60000

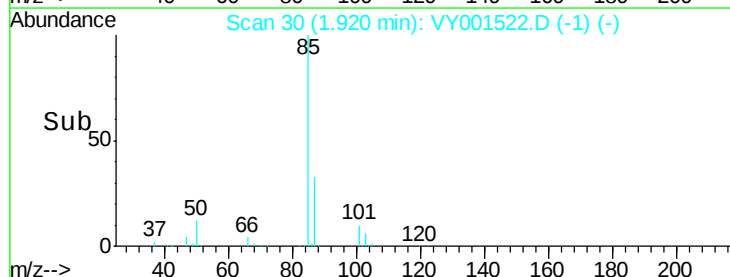
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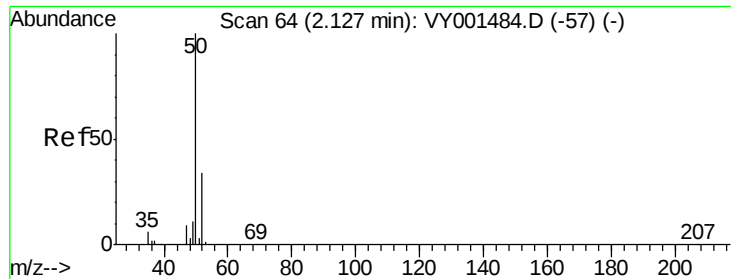
20000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 62.484 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 120190

Ion Ratio Lower Upper

50 100

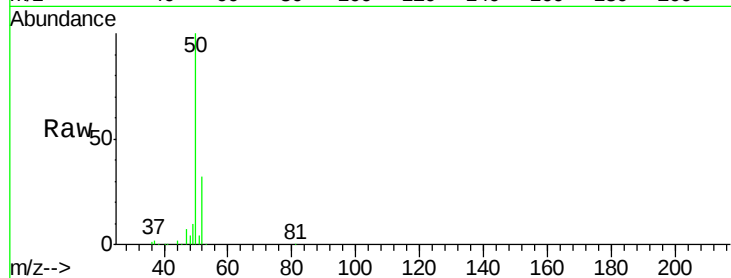
52 32.4 27.3 40.9

Manual Integrations

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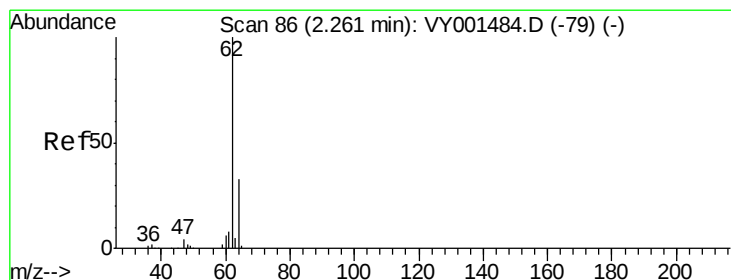
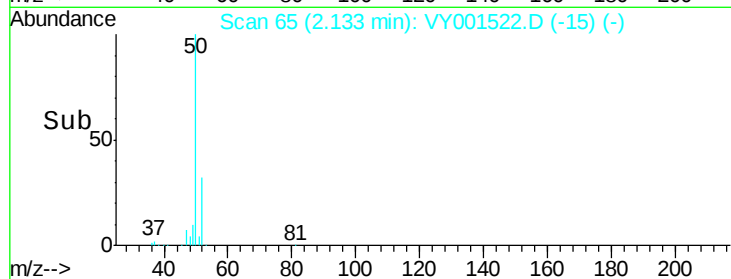
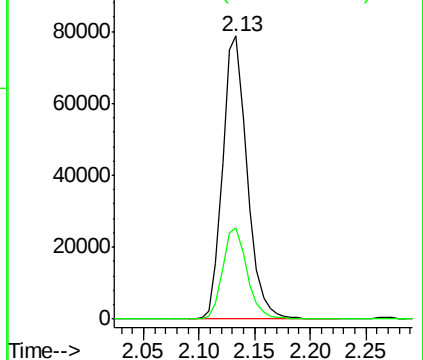
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 61.055 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001522.D

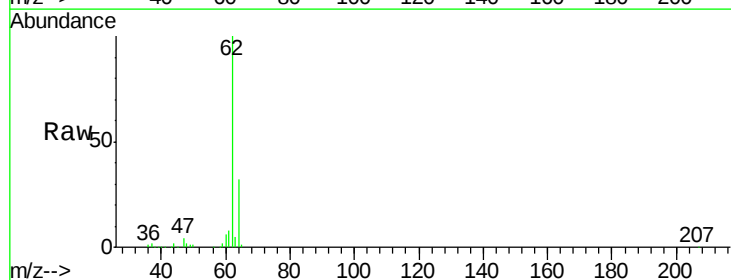
Acq: 05 Feb 2020 20:53

Tgt Ion: 62 Resp: 121945

Ion Ratio Lower Upper

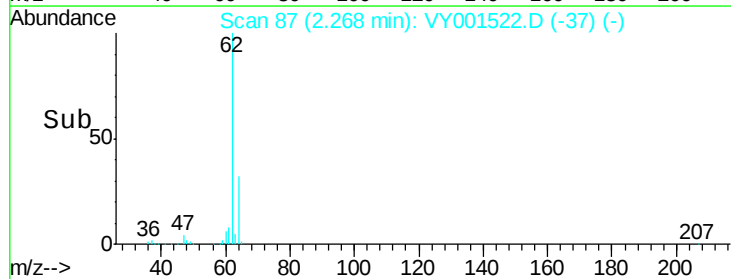
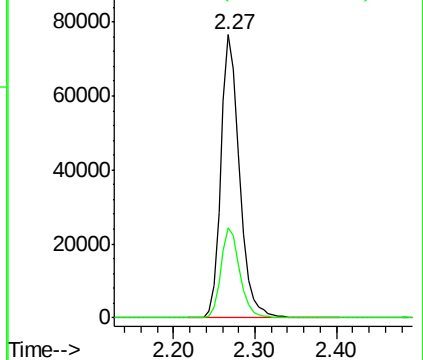
62 100

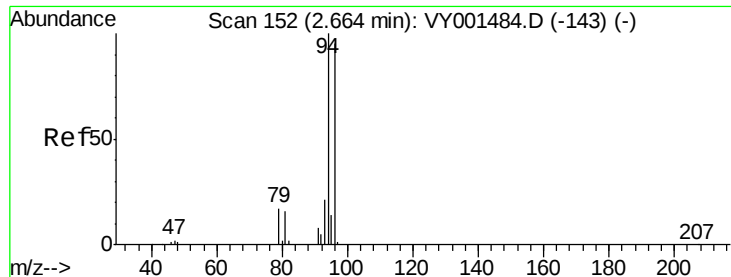
64 31.8 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 66.453 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 83472

Ion Ratio Lower Upper

94 100

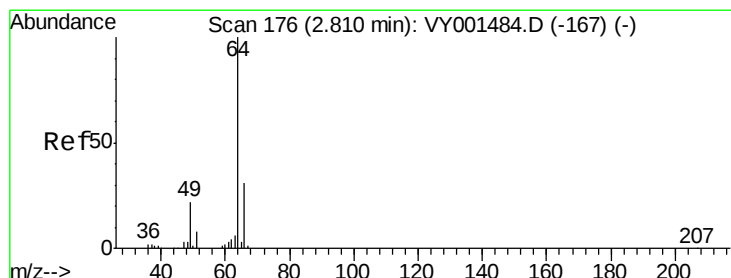
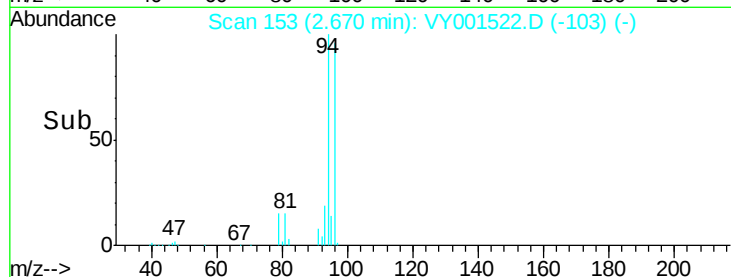
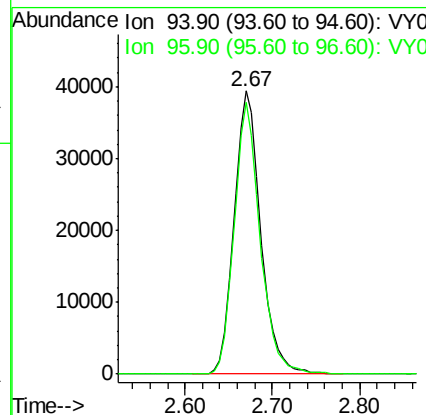
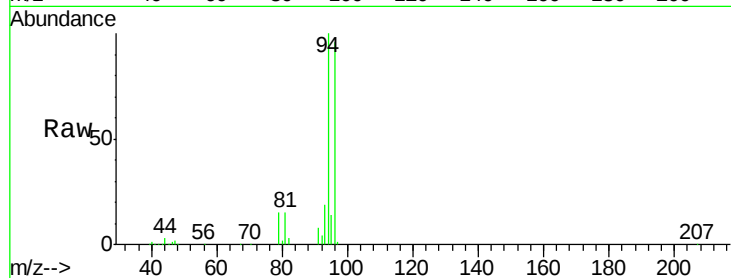
96 95.9 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 64.800 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

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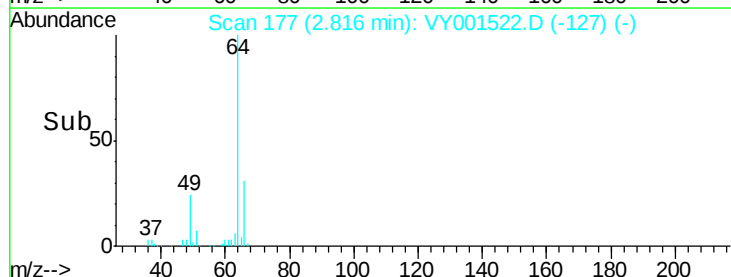
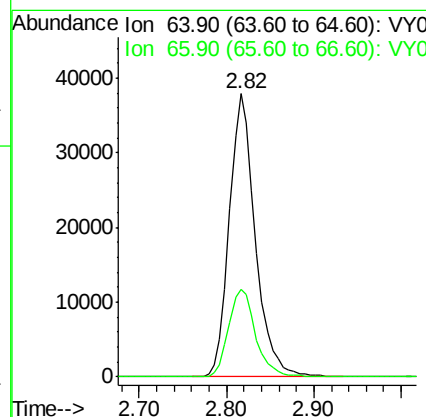
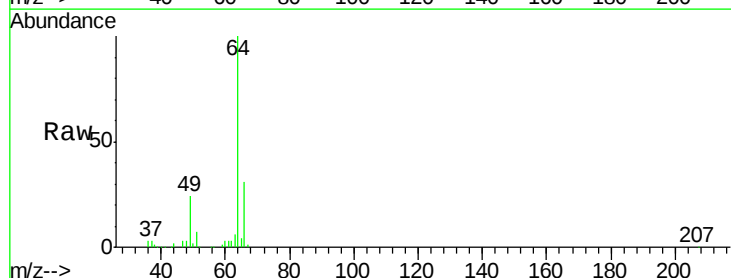
Acq: 05 Feb 2020 20:53

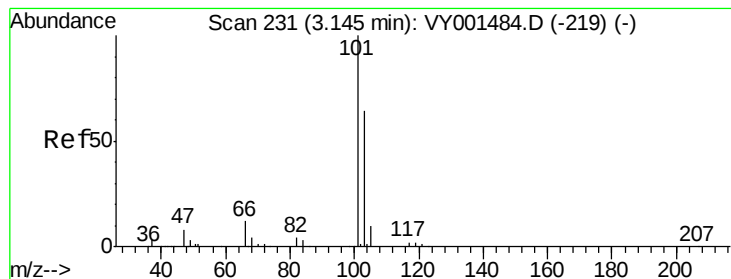
Tgt Ion: 64 Resp: 78014

Ion Ratio Lower Upper

64 100

66 31.0 24.5 36.7





#7

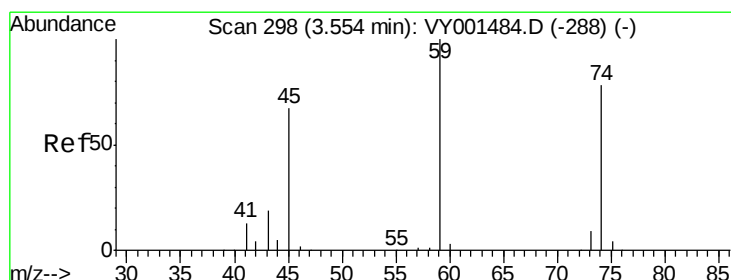
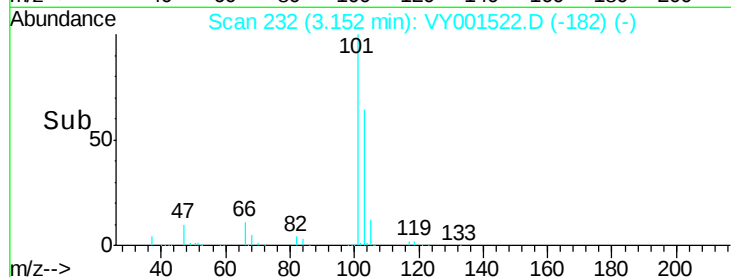
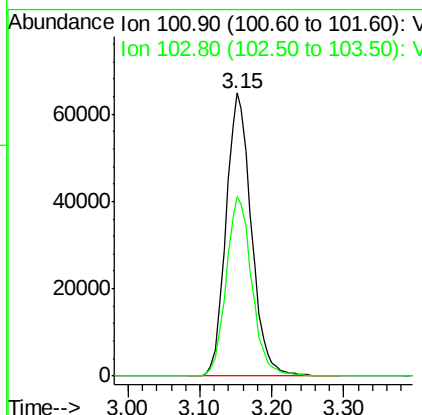
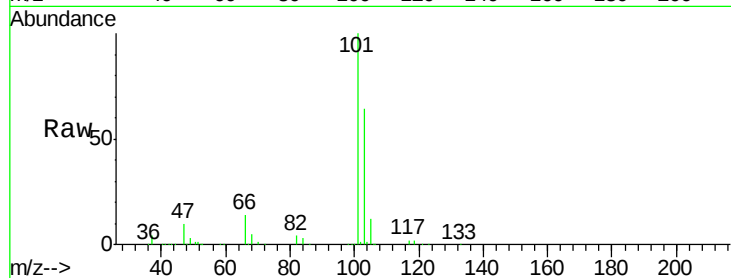
Trichlorofluoromethane
 Concen: 48.072 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY001522.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	158928		
103	63.6	50.9	76.3	

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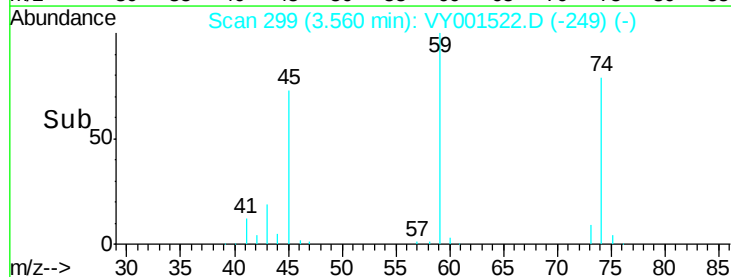
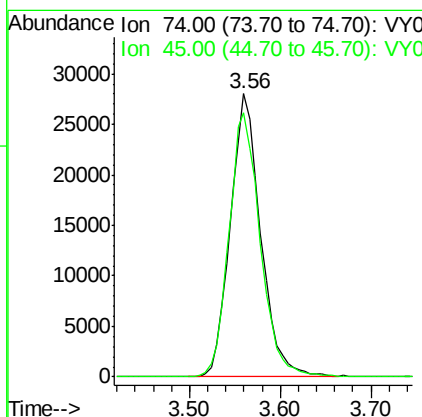
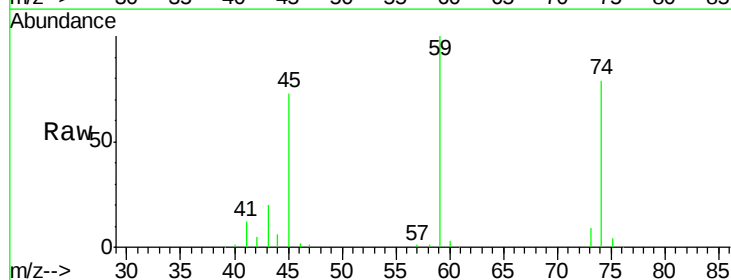
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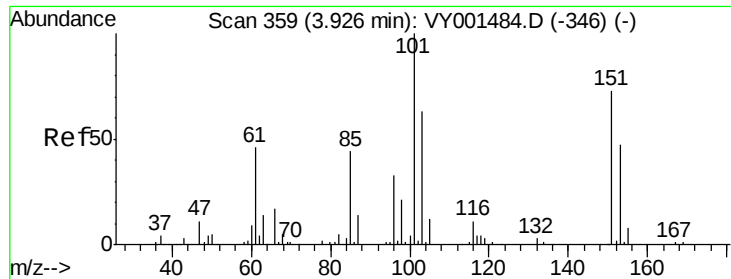


#8

Diethyl Ether
 Concen: 58.226 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.01 min
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	64959		
45	96.5	44.5	133.5	





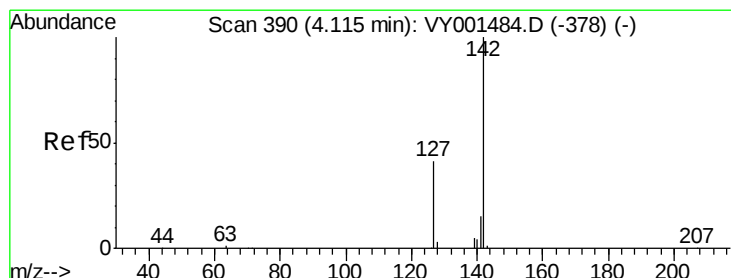
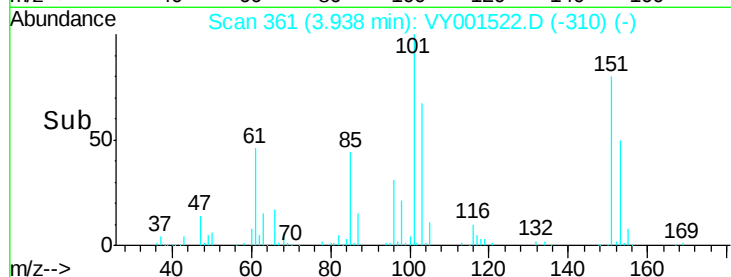
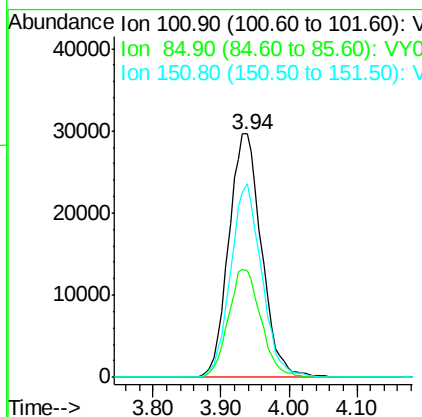
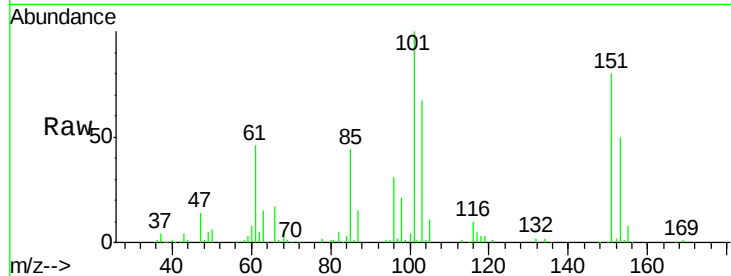
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.701 ug/l
 RT: 3.94 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	98866		
85	44.2	34.6	51.8	
151	75.6	60.3	90.5	

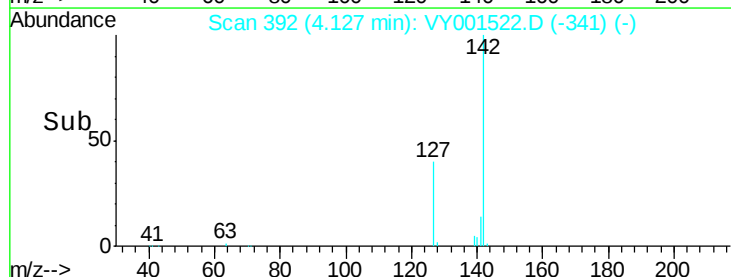
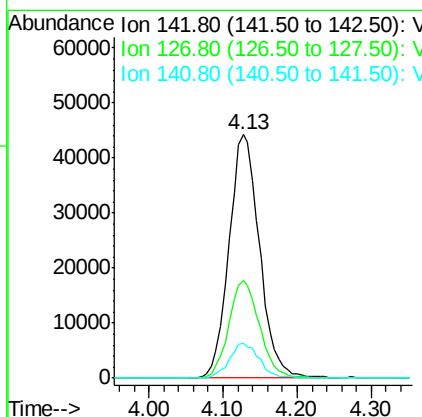
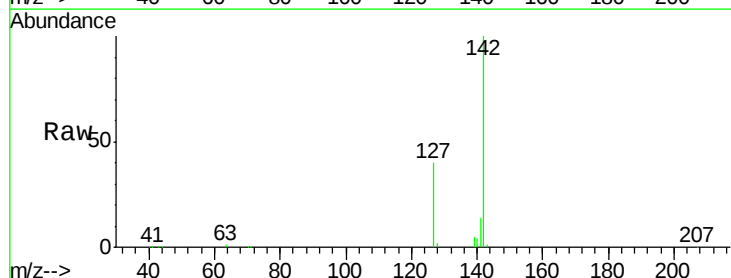
Manual Integrations
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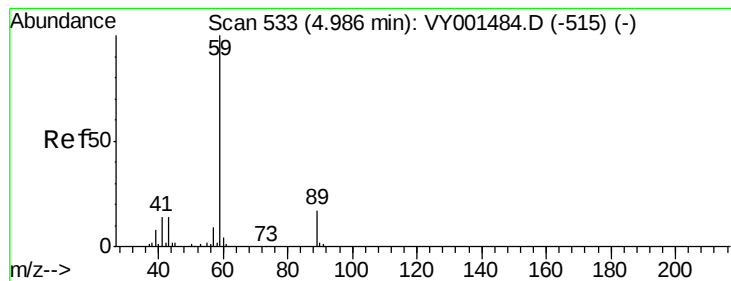
MMDadoda
 2/6/2020 12:47:06 PM



#10
 Methyl Iodide
 Concen: 50.208 ug/l
 RT: 4.13 min Scan# 392
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	127259		
127	40.3	33.3	49.9	
141	14.0	11.5	17.3	





#11

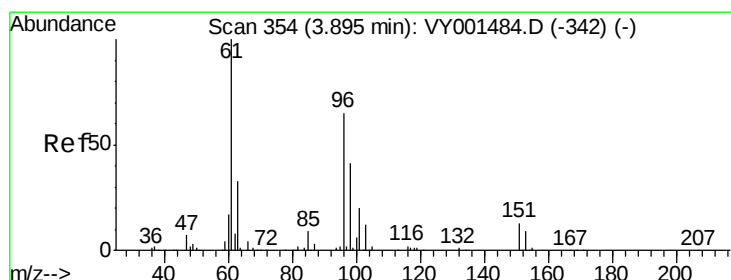
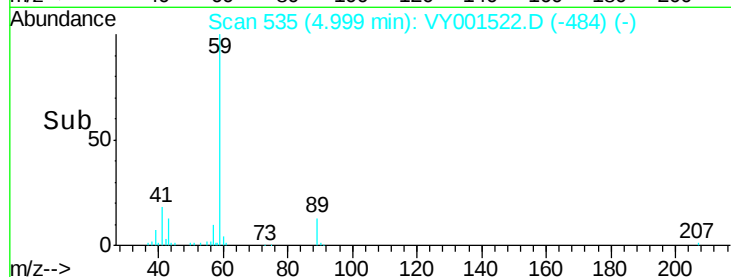
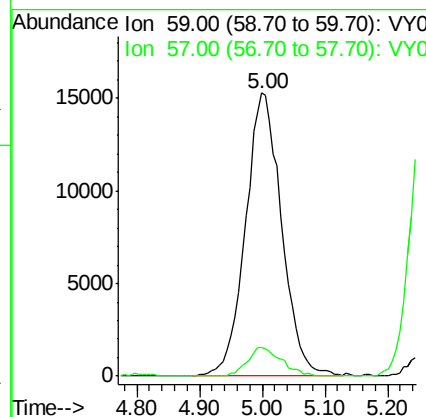
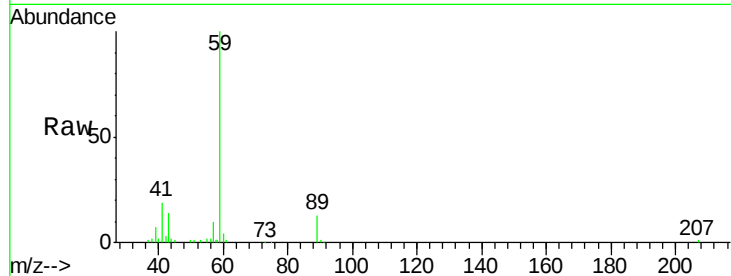
Tert butyl alcohol
Concen: 291.602 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.0	10.6

Manual Integrations
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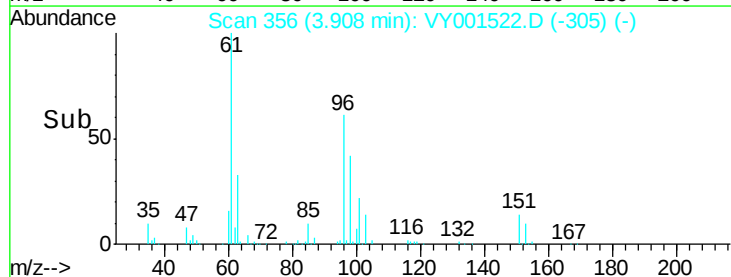
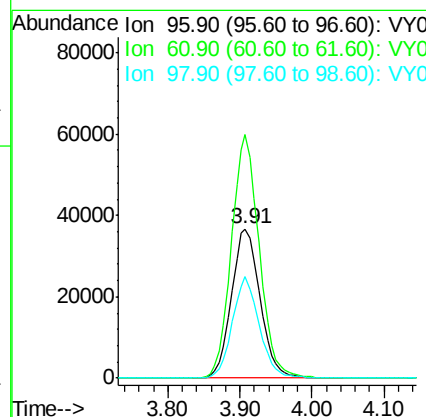
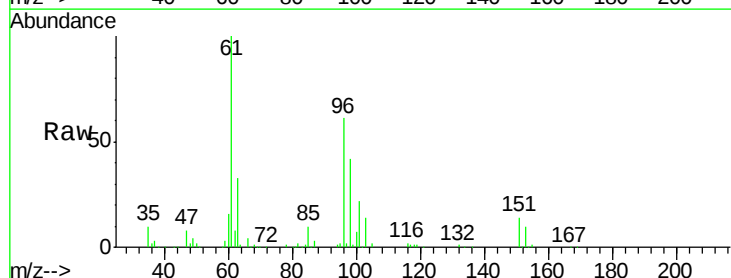
MMDadoda
2/6/2020 12:47:06 PM

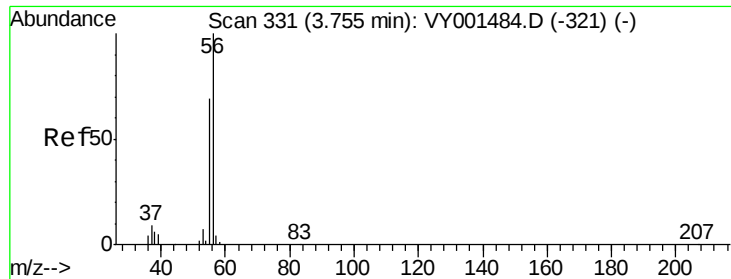


#12

1,1-Dichloroethene
Concen: 51.423 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	122.3	183.5
98	68.2	49.7	74.5





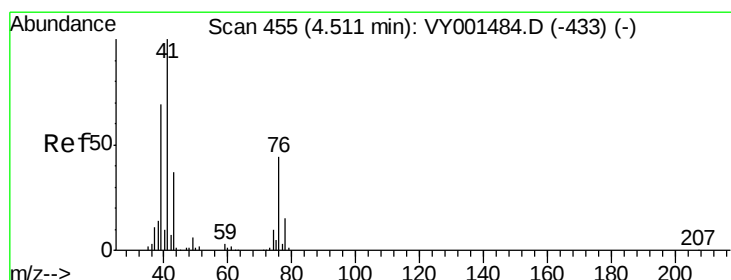
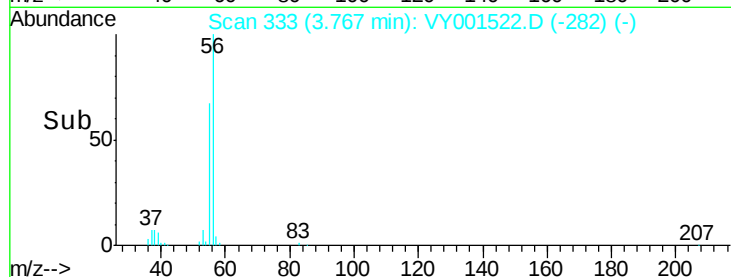
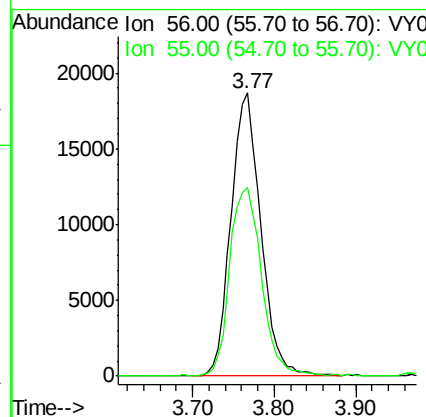
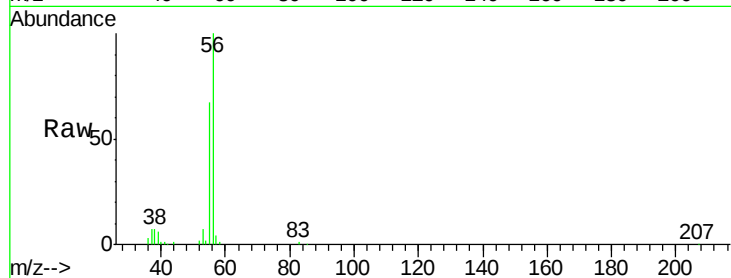
#13
Acrolein
Concen: 264.047 ug/l
RT: 3.77 min Scan# 333
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	47330
Ion Ratio	Lower	Upper	
56	100		
55	70.7	56.2	84.4

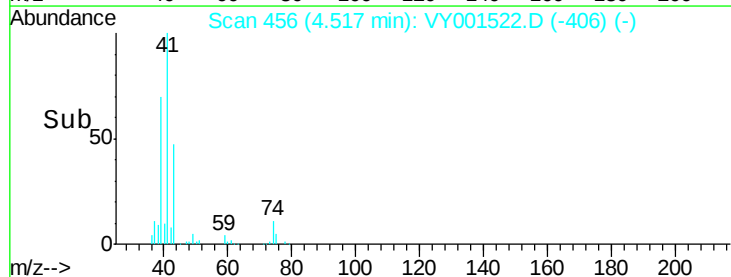
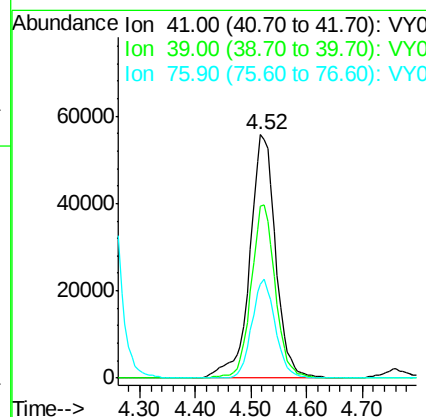
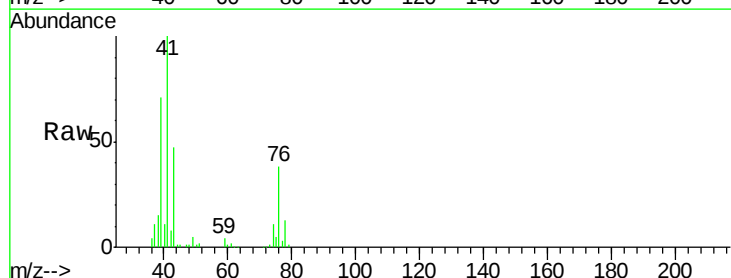
Manual Integrations
APPROVED

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2/6/2020 12:47:06 PM



#14
Allyl chloride
Concen: 59.692 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	41	Resp	180505
Ion Ratio	Lower	Upper	
41	100		
39	66.7	53.0	79.6
76	36.8	32.6	48.8





#15

Acrylonitrile

Concen: 336.130 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

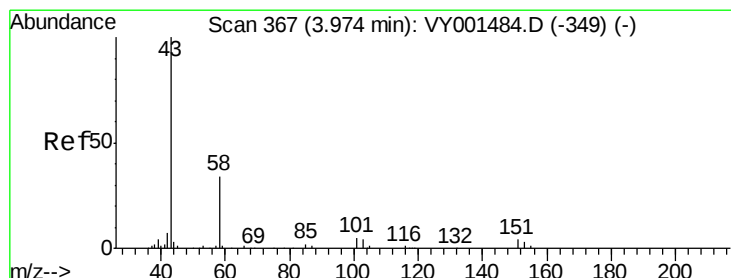
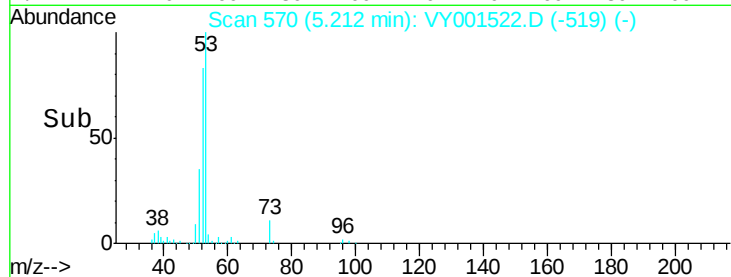
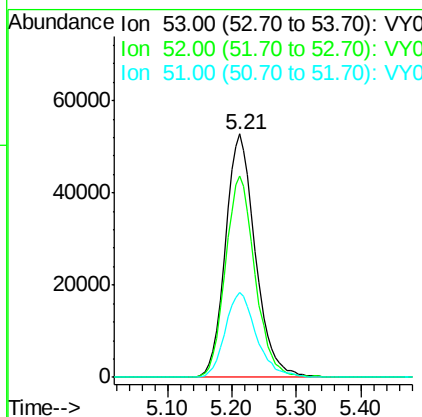
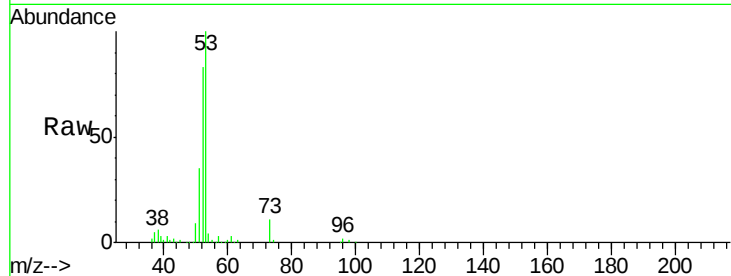
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	171914
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.2
51	36.5	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
2/6/2020 12:47:06 PM



#16

Acetone

Concen: 279.795 ug/l

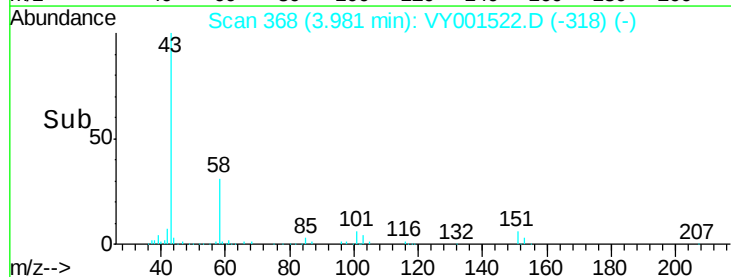
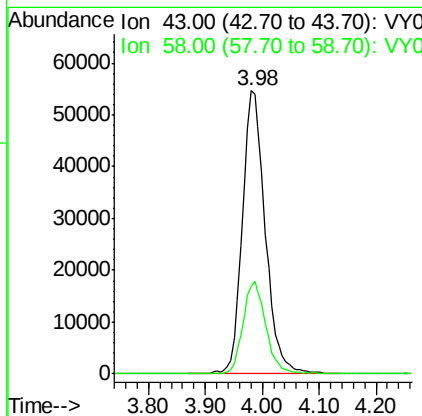
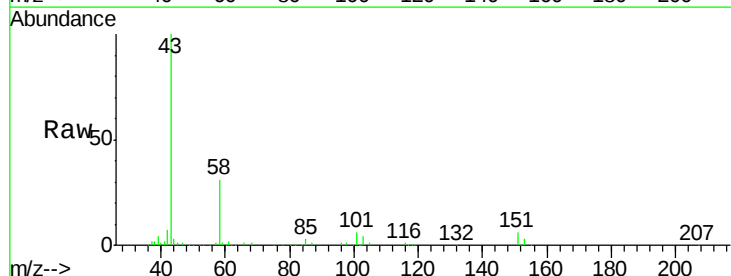
RT: 3.98 min Scan# 368

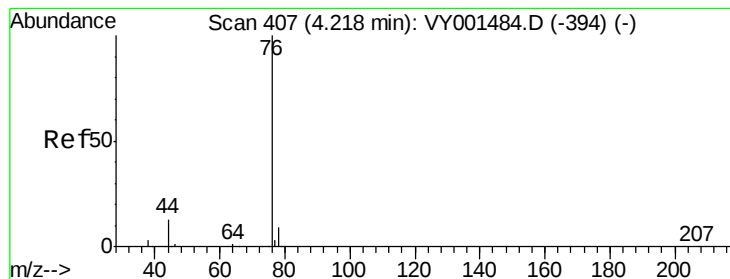
Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Tgt Ion:	43	Resp:	153210
Ion	Ratio	Lower	Upper
43	100		
58	30.7	27.5	41.3





#17

Carbon Disulfide

Concen: 53.569 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 337099

Ion Ratio Lower Upper

76 100

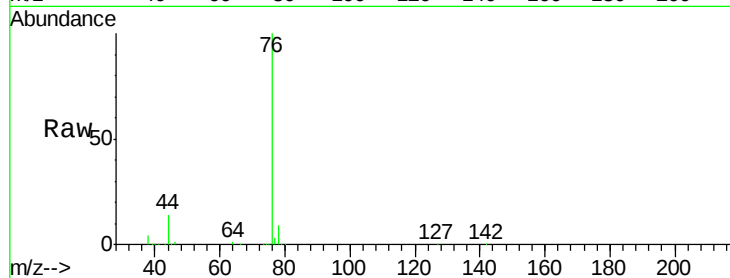
78 9.4 7.0 10.6

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

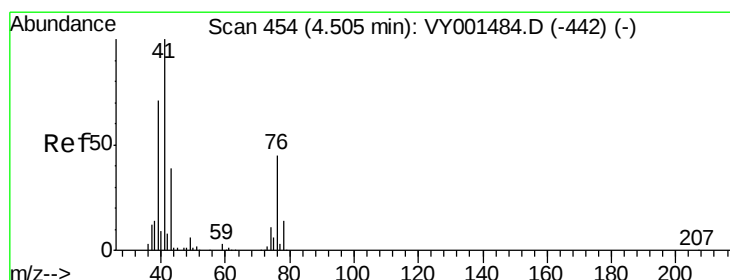
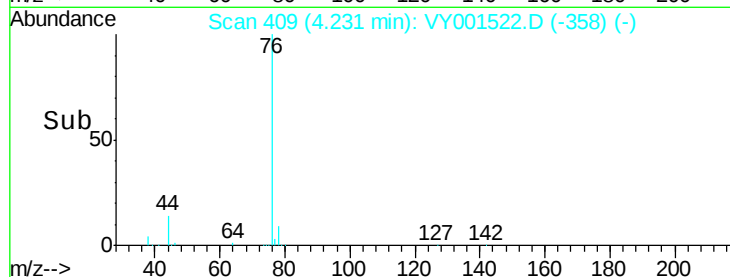
4.23

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 68.067 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001522.D

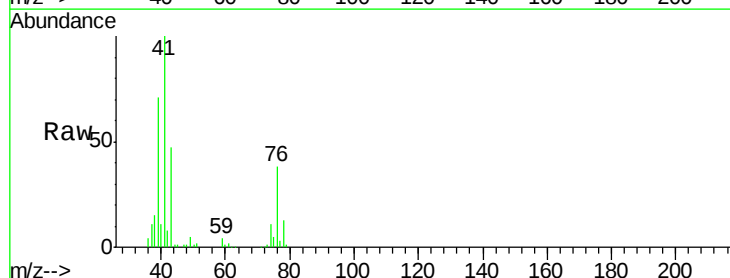
Acq: 05 Feb 2020 20:53

Tgt Ion: 43 Resp: 79538

Ion Ratio Lower Upper

43 100

74 23.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.52

30000

25000

20000

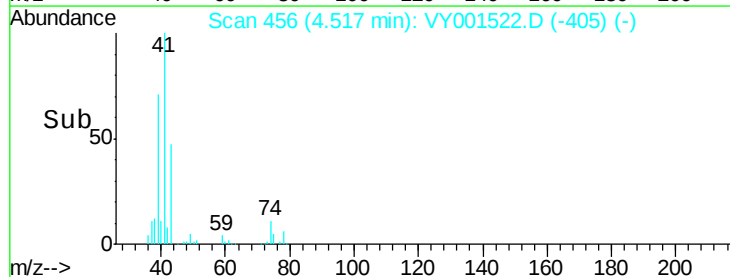
15000

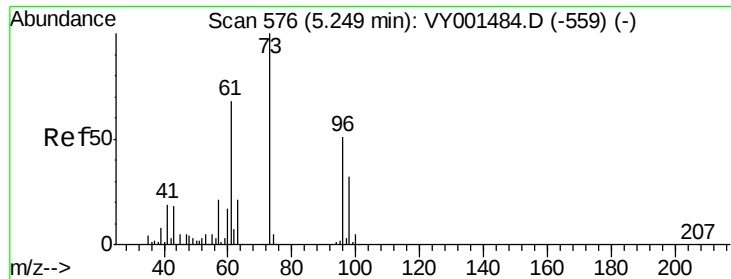
10000

5000

0

Time-->





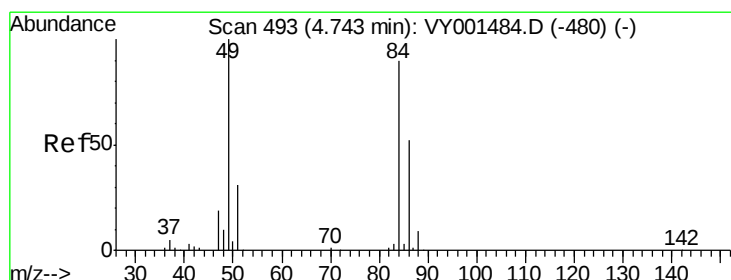
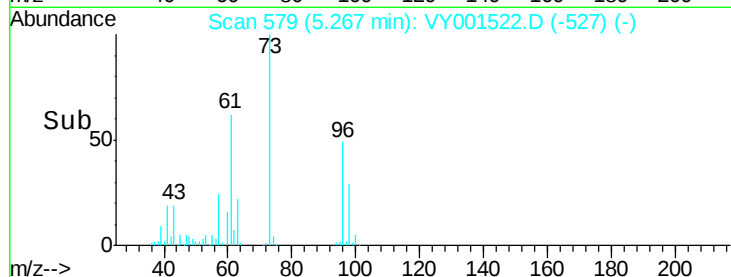
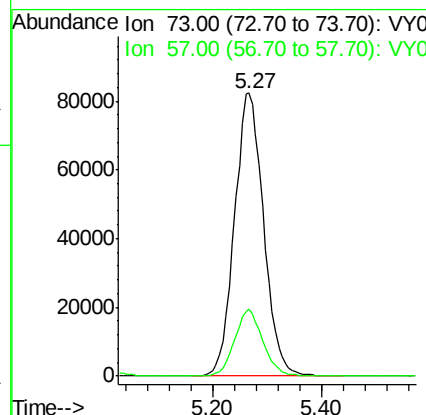
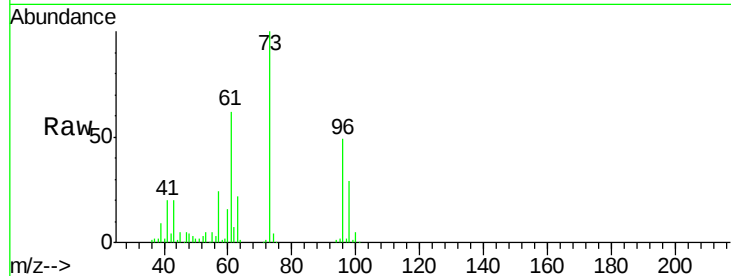
#19
Methvl tert-butvl Ether
Concen: 58.246 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.02 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 306189
Ion Ratio Lower Upper
73 100
57 23.7 17.0 25.6

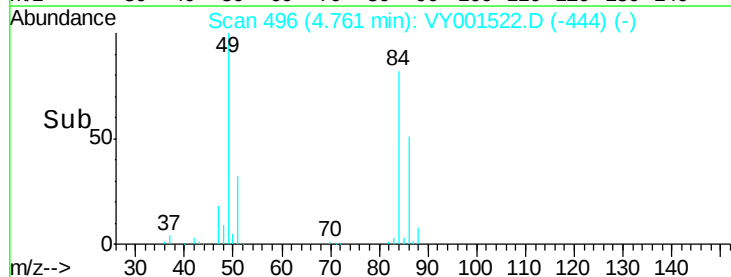
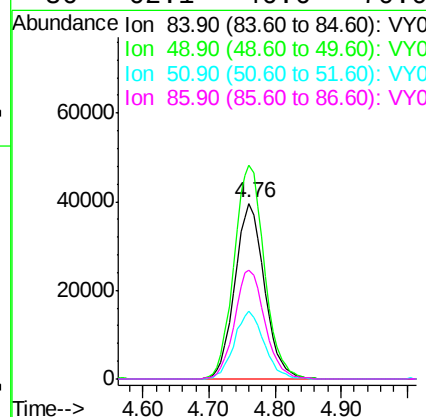
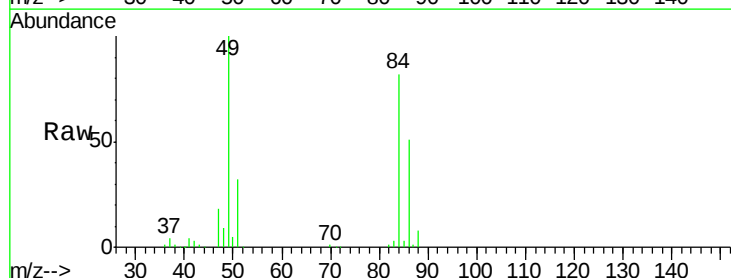
Manual Integrations
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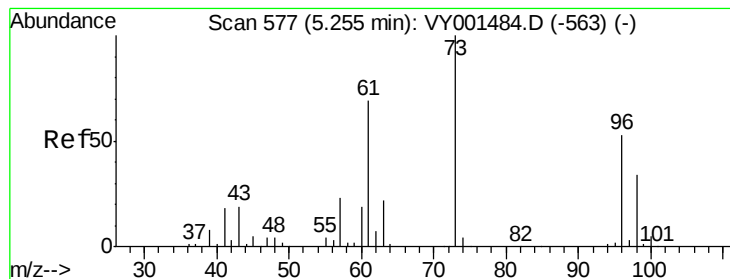
MMDadoda
2/6/2020 12:47:06 PM



#20
Methylene Chloride
Concen: 58.406 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion: 84 Resp: 123523
Ion Ratio Lower Upper
84 100
49 121.5 89.0 133.6
51 38.6 27.4 41.2
86 62.1 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 54.251 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 119216

Ion Ratio Lower Upper

96 100

61 127.6 104.2 156.4

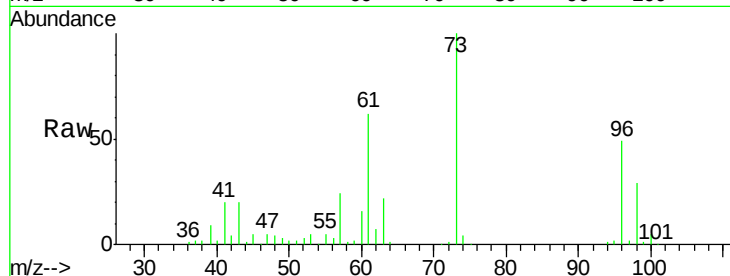
98 59.4 51.4 77.0

Manual Integrations

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MMDadoda

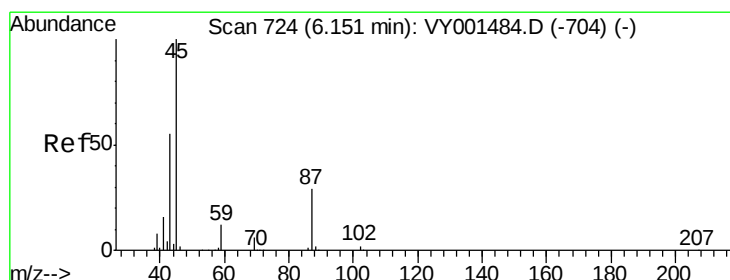
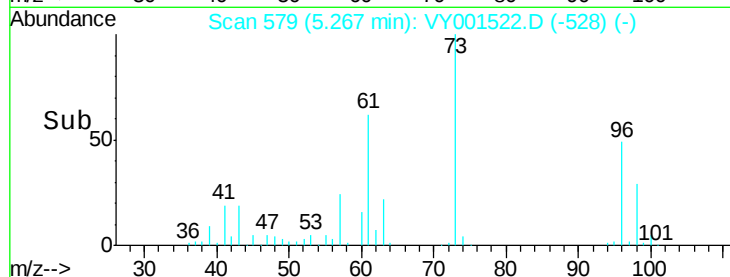
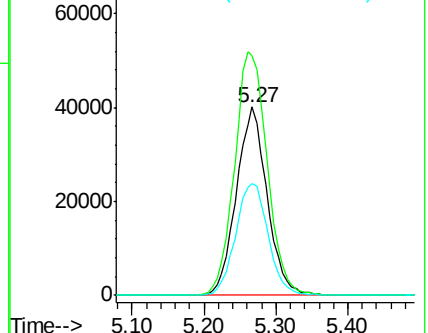
2/6/2020 12:47:06 PM



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 65.191 ug/l

RT: 6.16 min Scan# 726

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Tgt Ion: 45 Resp: 390563

Ion Ratio Lower Upper

45 100

43 56.6 44.2 66.4

87 26.1 23.9 35.9

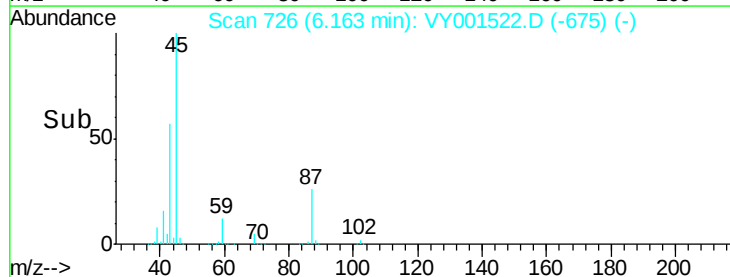
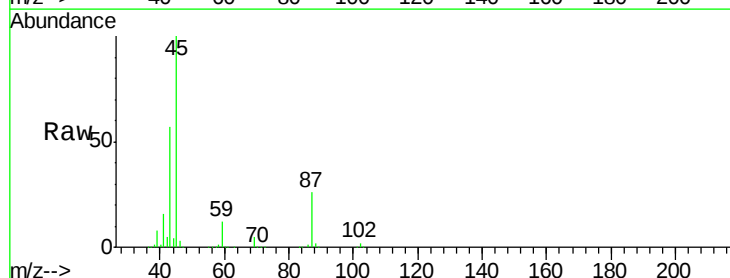
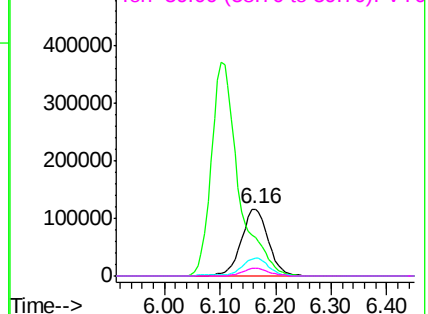
59 11.9 10.2 15.2

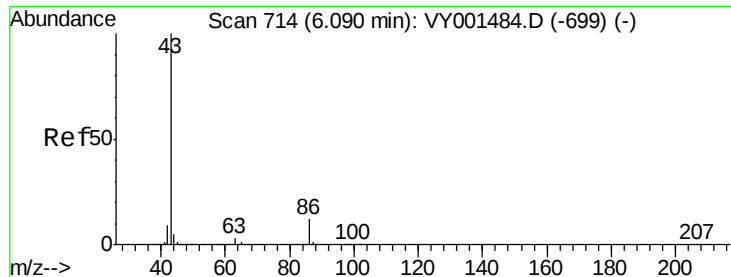
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 331.811 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1265476

Ion Ratio Lower Upper

43 100

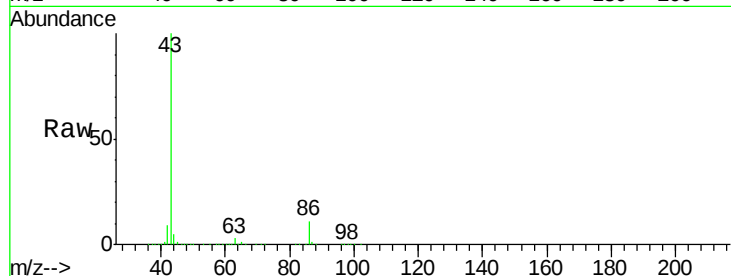
86 10.5 9.8 14.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

400000

300000

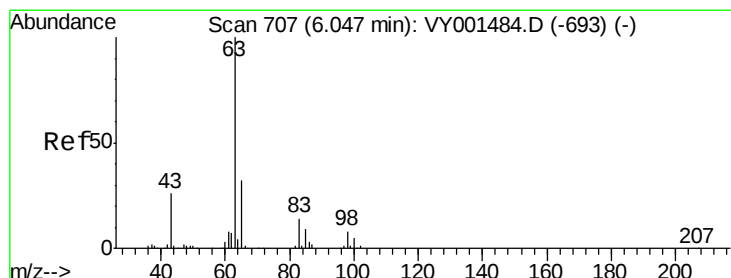
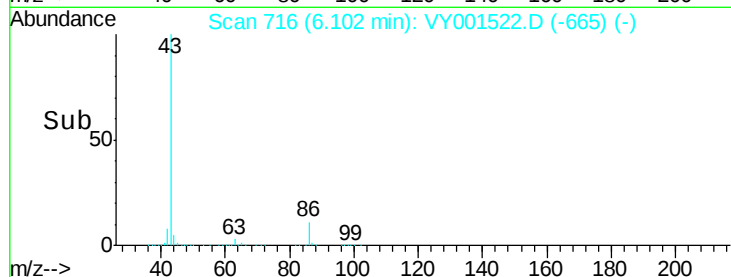
200000

100000

0

Time-->

5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 57.376 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.02 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

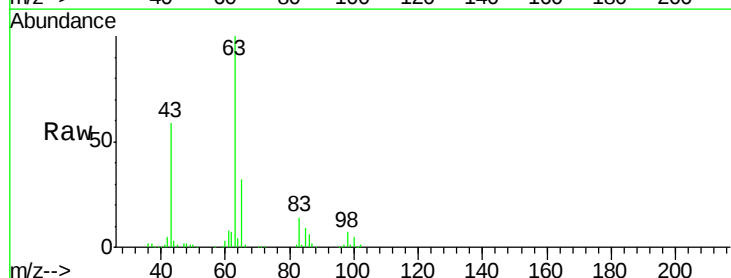
Tgt Ion: 63 Resp: 206760

Ion Ratio Lower Upper

63 100

98 6.7 4.0 11.9

100 5.1 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.07

80000

60000

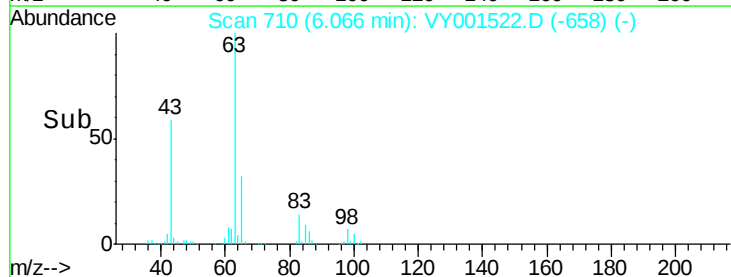
40000

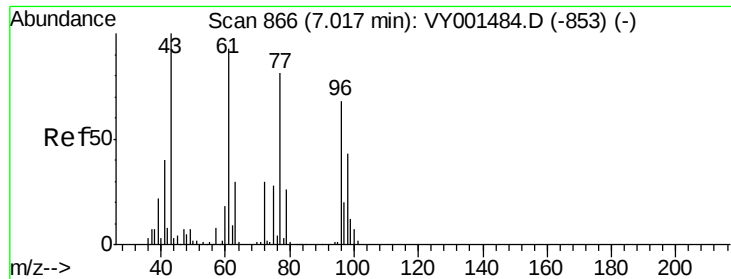
20000

0

Time-->

5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 334.986 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 237974

Ion Ratio Lower Upper

43 100

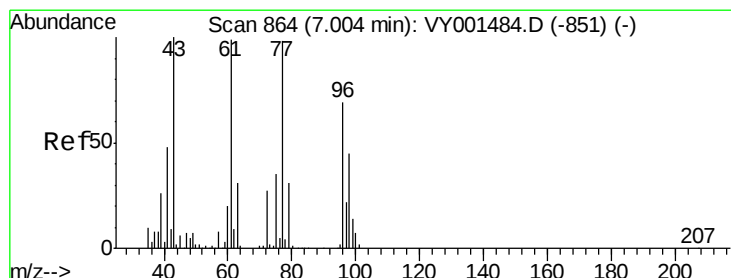
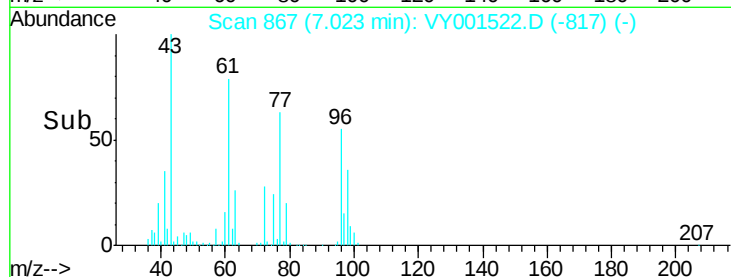
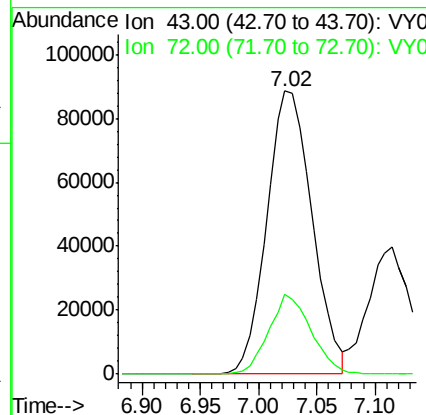
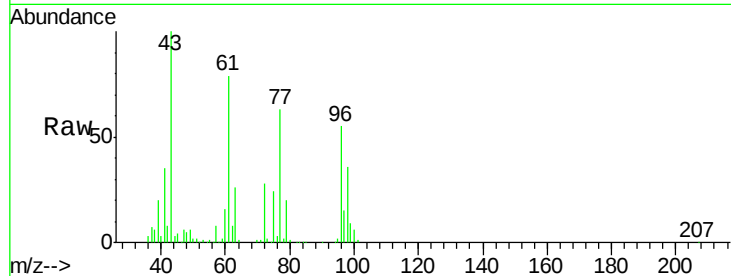
72 28.1 23.8 35.8

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#26

2,2-Dichloropropane

Concen: 49.039 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY001522.D

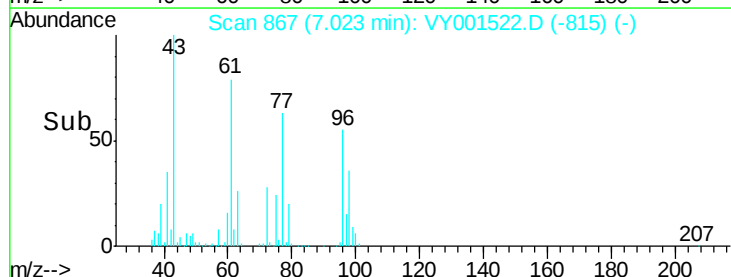
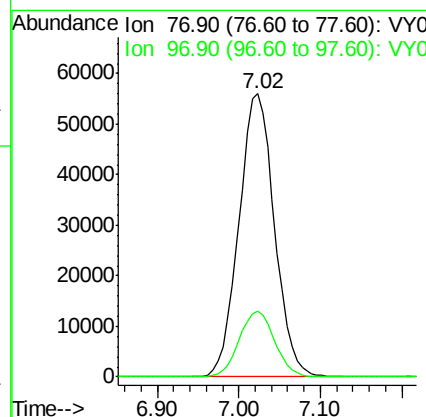
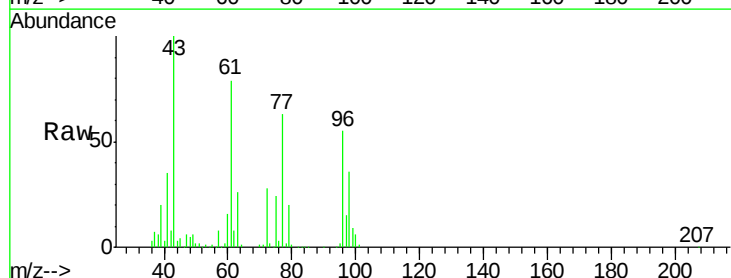
Acq: 05 Feb 2020 20:53

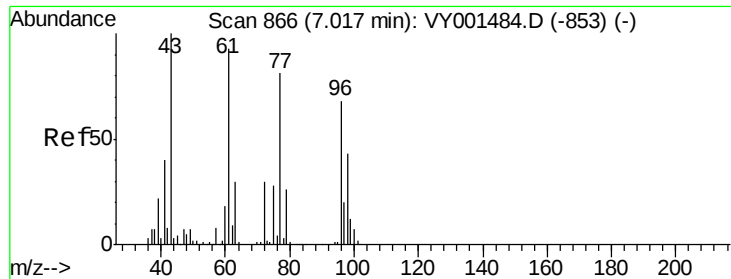
Tgt Ion: 77 Resp: 169128

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0





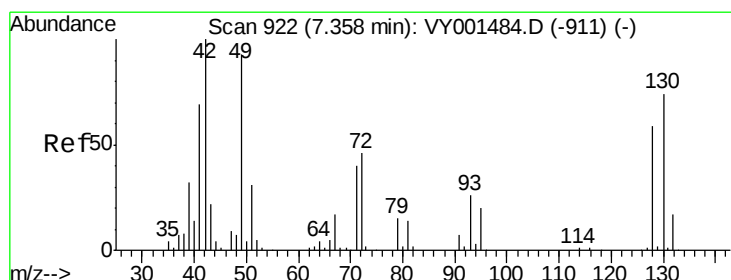
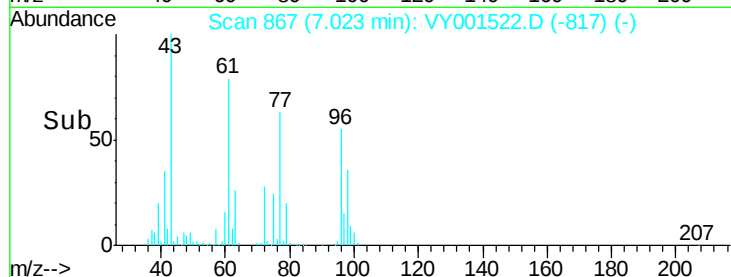
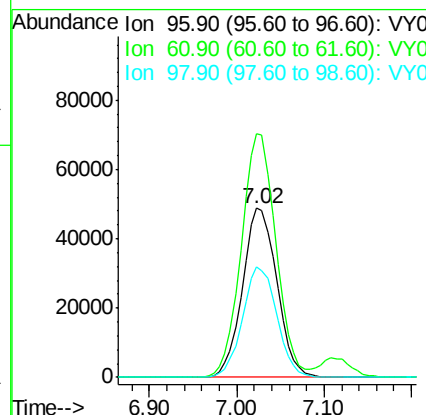
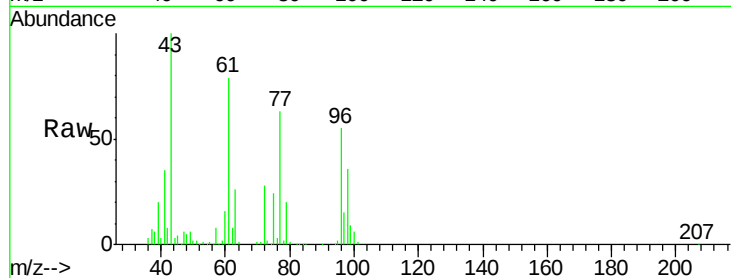
#27
 cis-1,2-Dichloroethene
 Concen: 55.738 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	278.8
98	64.8	0.0	128.8

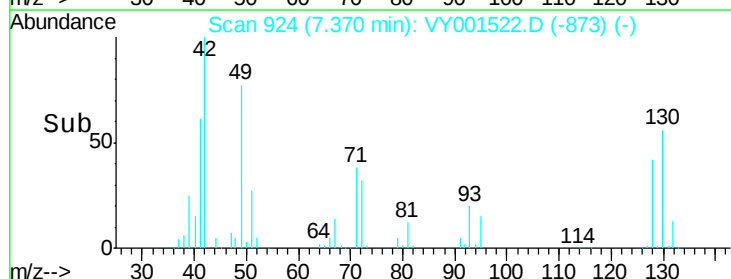
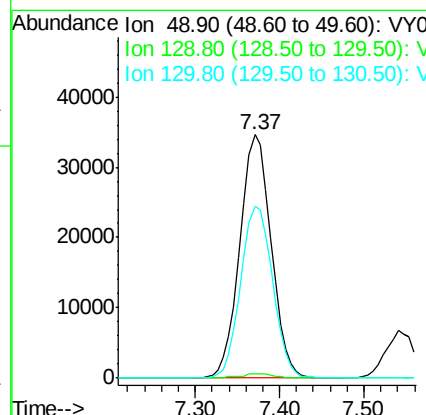
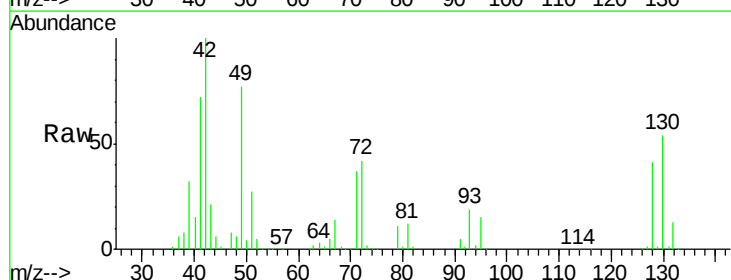
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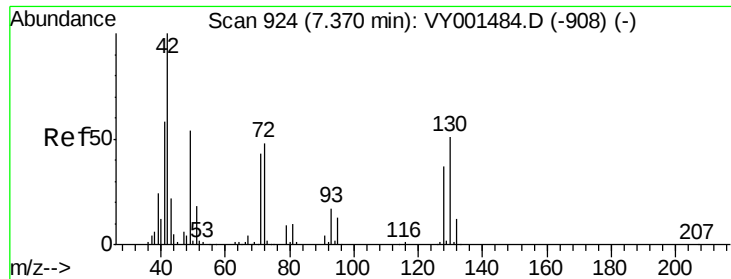
MMDadoda
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#28
 Bromochloromethane
 Concen: 70.958 ug/l
 RT: 7.37 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	72.1	65.4	98.2





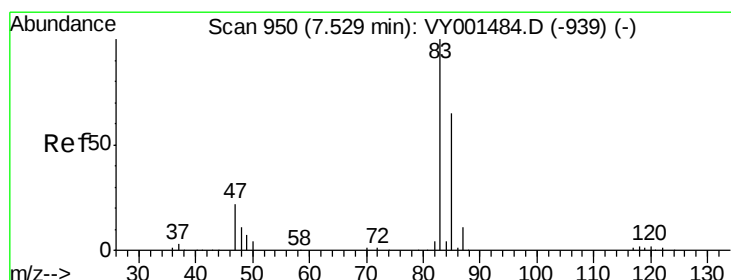
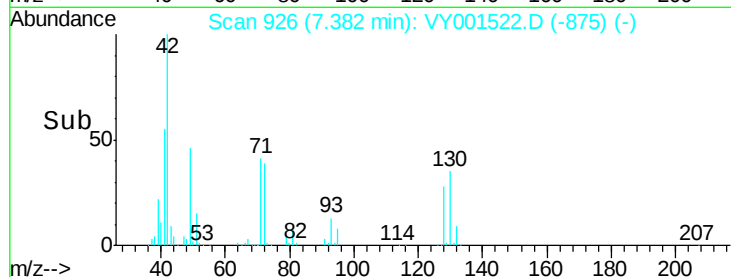
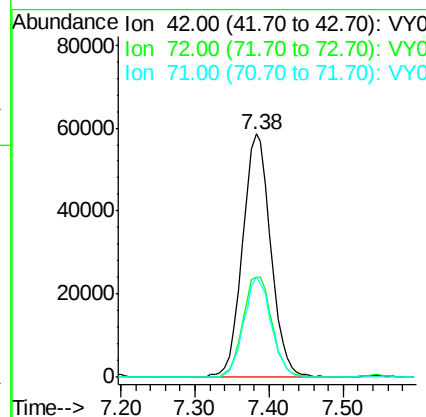
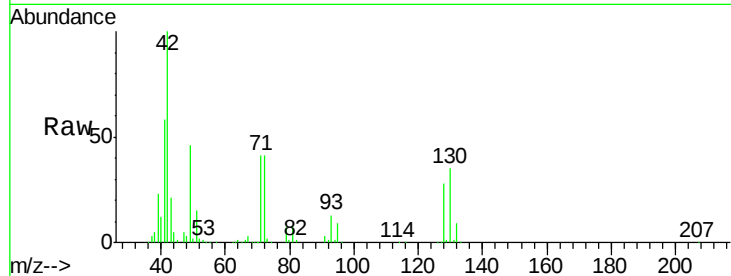
#29
Tetrahydrofuran
Concen: 366.351 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	37.8	56.6
71	39.9	34.8	52.2

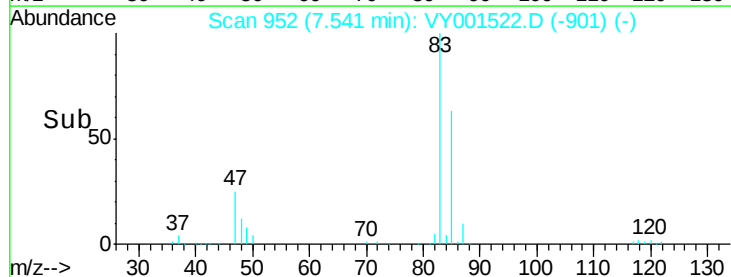
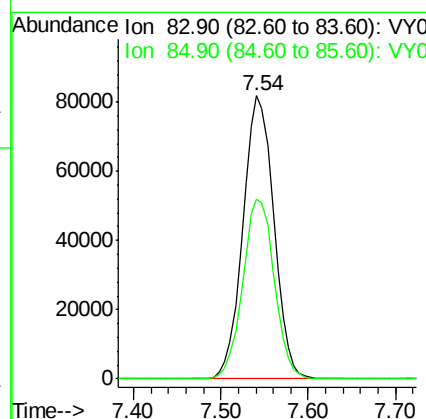
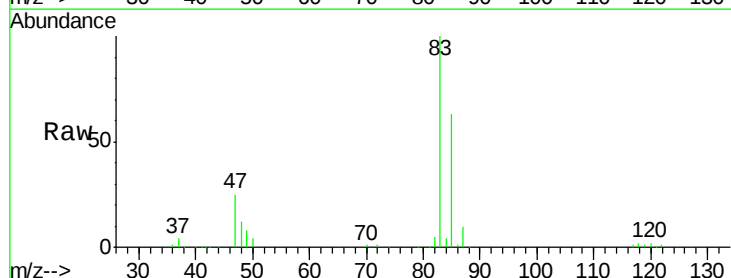
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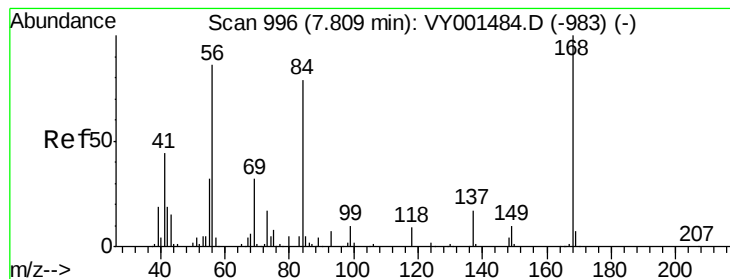
MMDadoda
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#30
Chloroform
Concen: 55.107 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.4	78.6





#31

Cyclohexane

Concen: 54.214 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

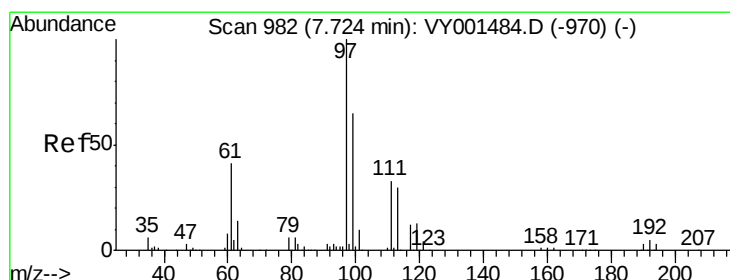
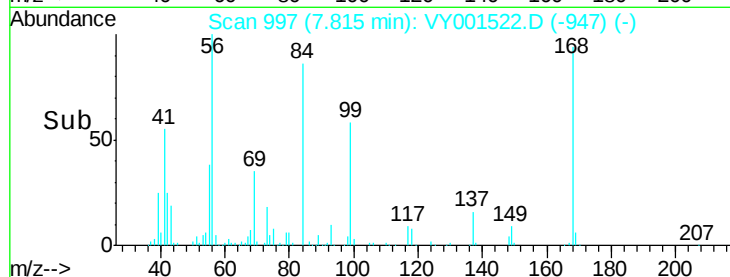
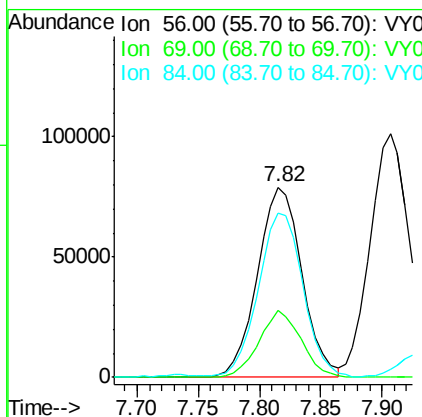
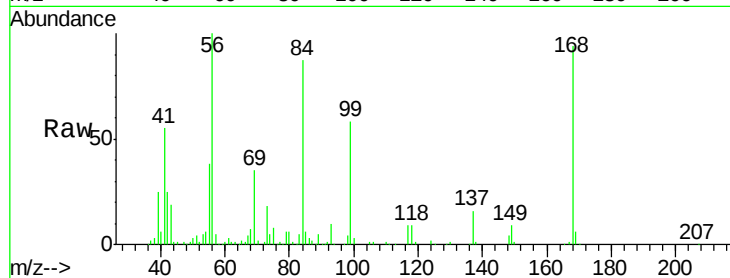
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	199841
Ion Ratio	Lower	Upper	
56	100		
69	35.0	29.6	44.4
84	85.4	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.895 ug/l

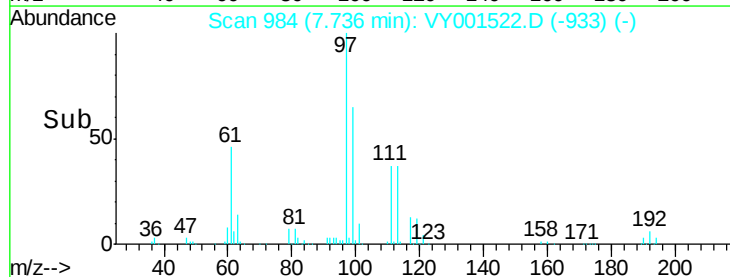
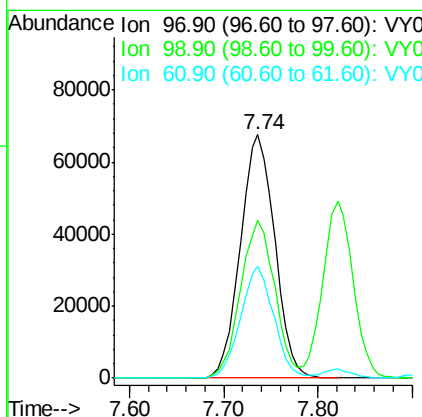
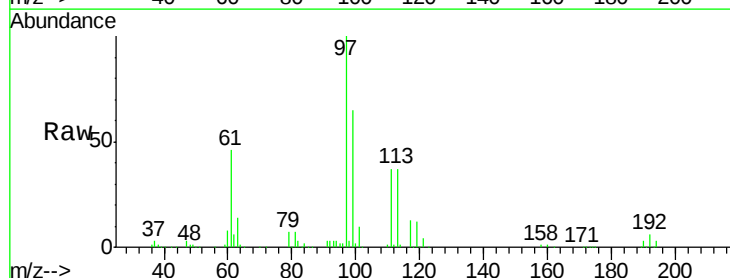
RT: 7.74 min Scan# 984

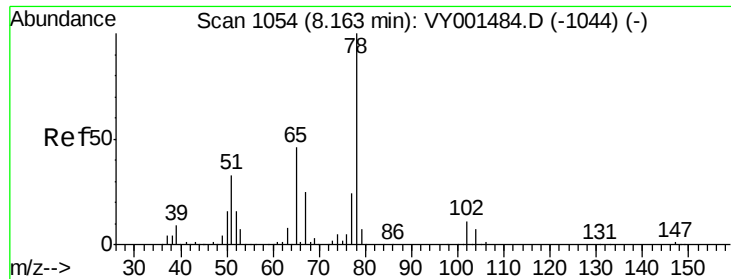
Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Tgt Ion:	97	Resp:	171743
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.8	77.8
61	44.2	32.5	48.7





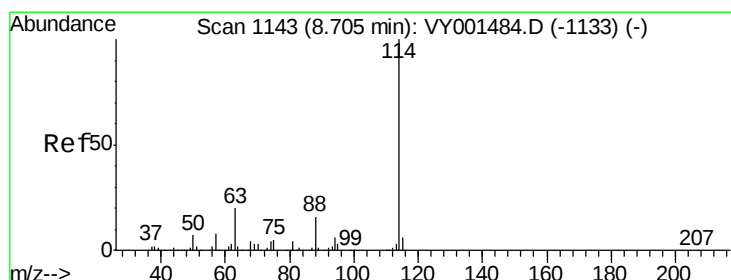
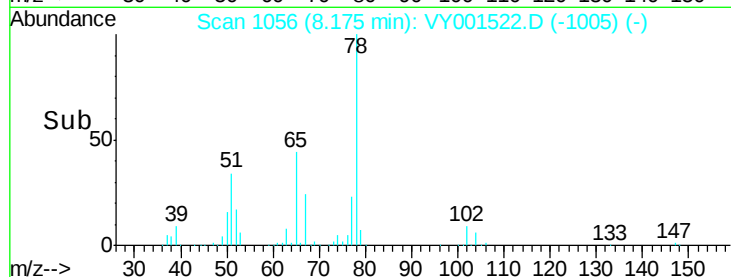
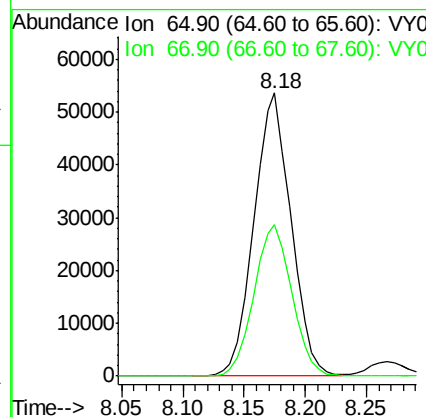
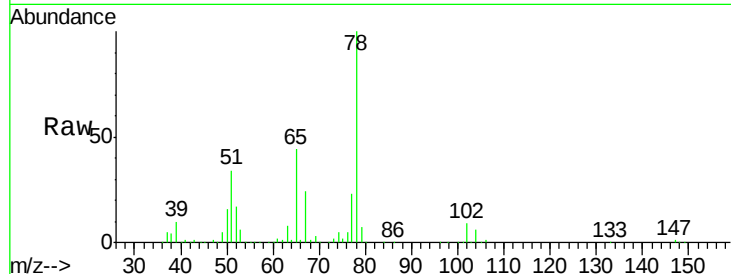
#33
 1,2-Dichloroethane-d4
 Concen: 59.745 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	113099		
67	54.7	0.0	108.6	

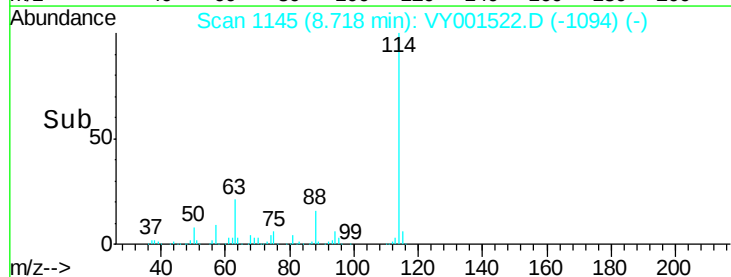
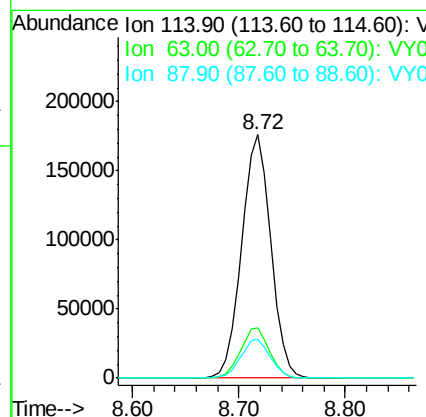
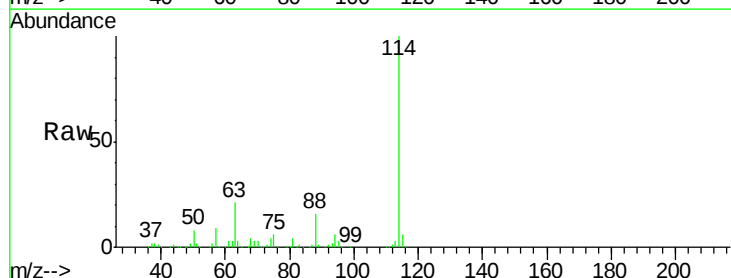
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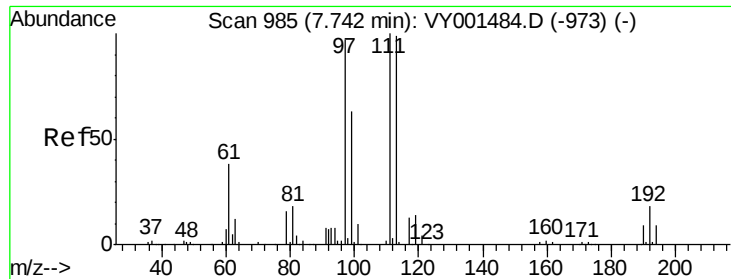
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339288		
63	20.7	0.0	39.8	
88	15.9	0.0	32.6	





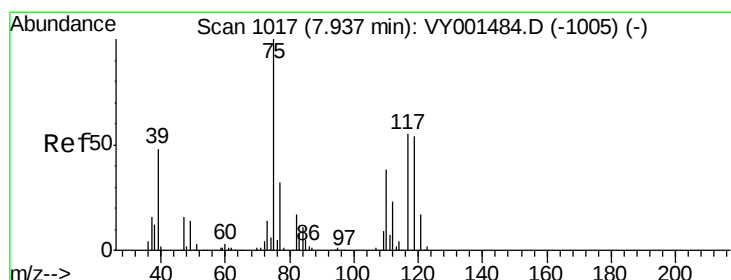
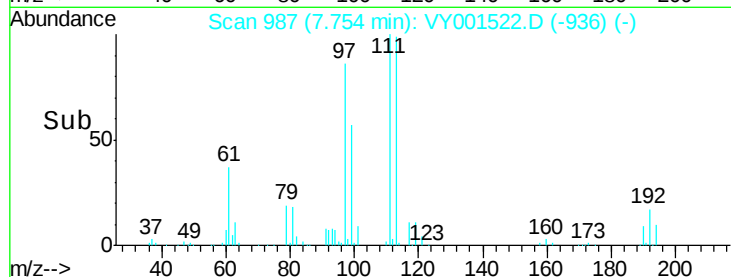
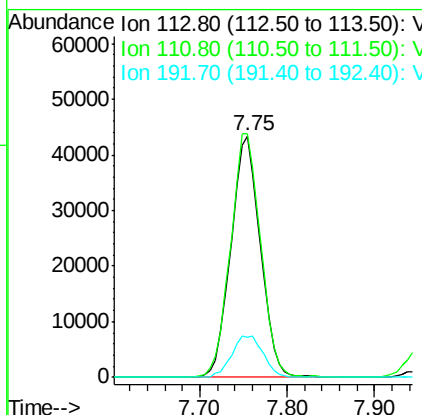
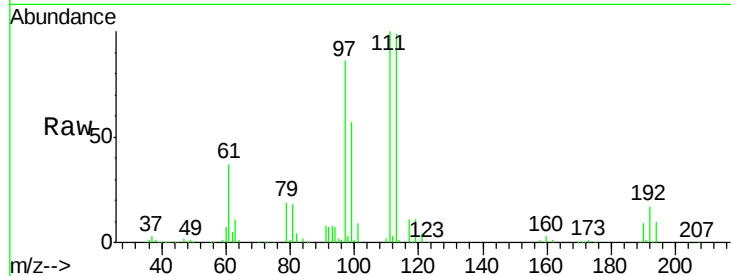
#35
 Dibromofluoromethane
 Concen: 51.752 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101253		
111	103.4	82.9	124.3	
192	18.4	14.6	22.0	

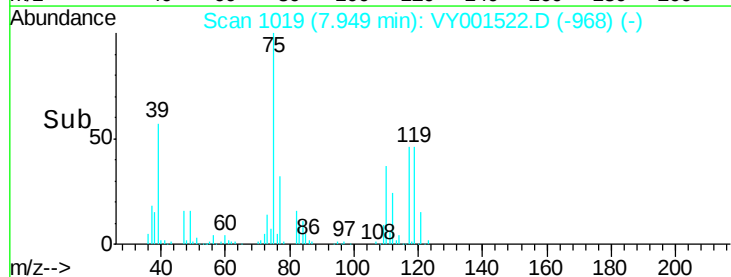
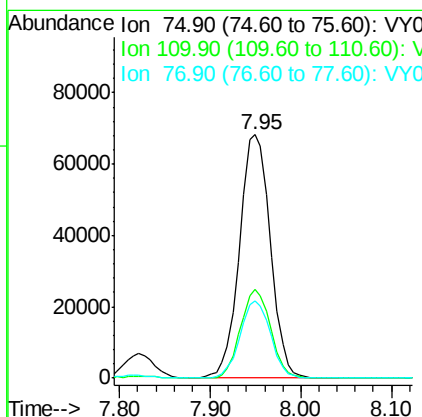
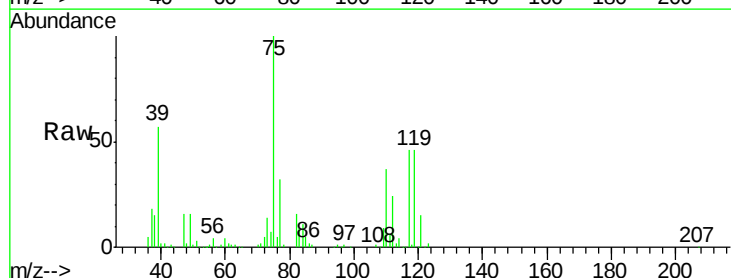
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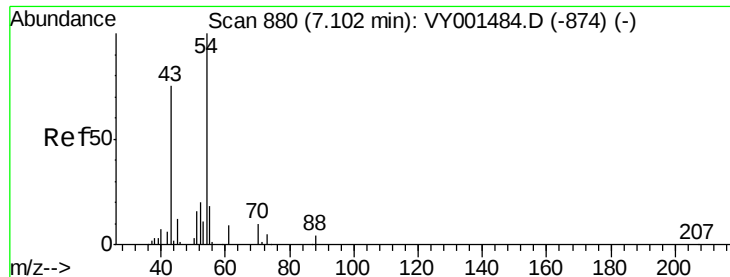
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#36
 1,1-Dichloropropene
 Concen: 51.852 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	160940		
110	35.4	18.2	54.6	
77	31.5	25.0	37.4	





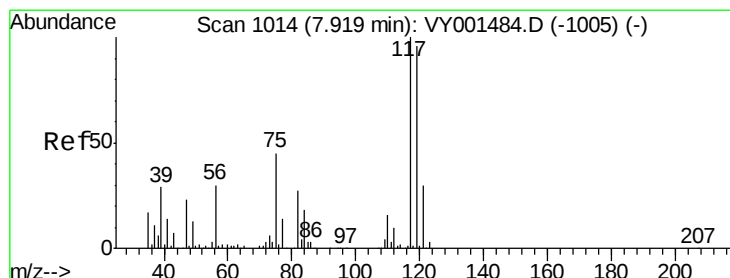
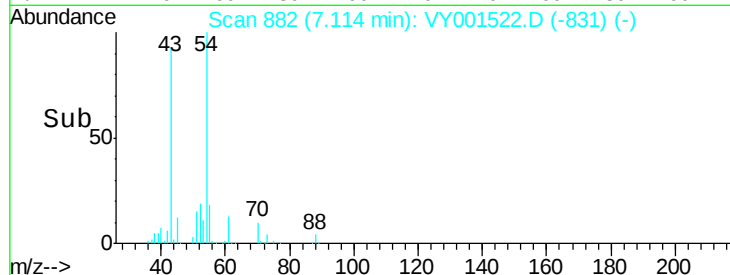
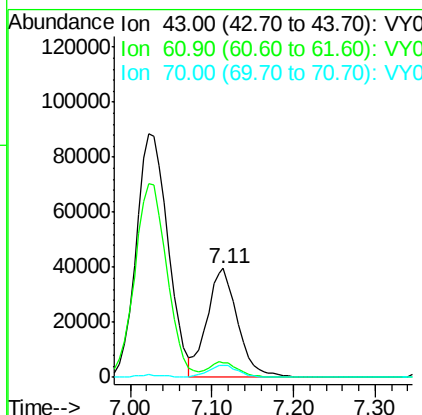
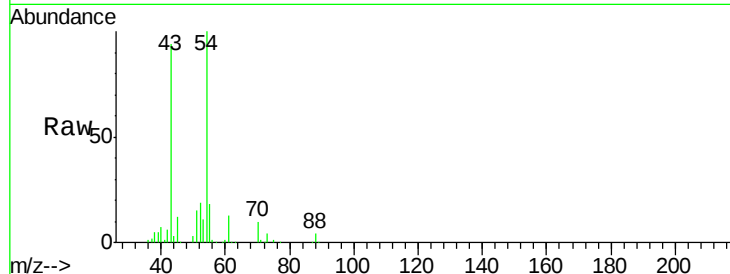
#37
Ethyl Acetate
Concen: 69.337 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	12.0	18.0
70	10.8	10.2	15.4

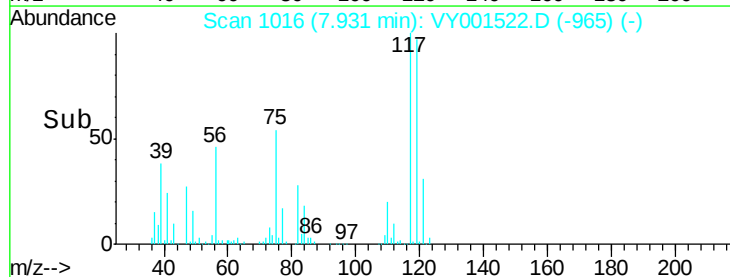
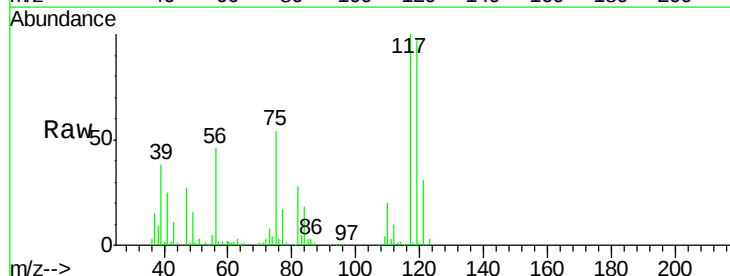
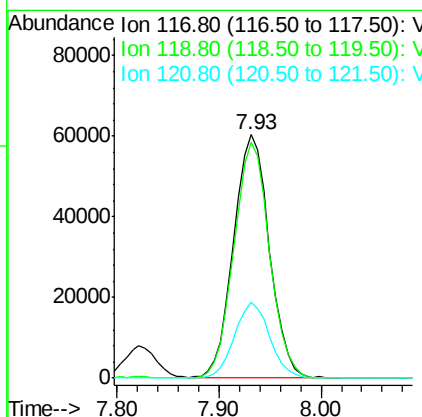
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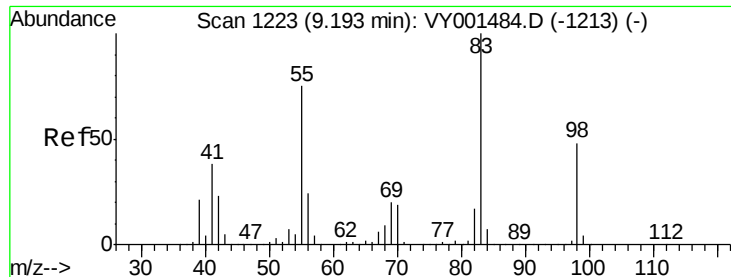
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#38
Carbon Tetrachloride
Concen: 49.007 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.4	114.6
121	31.4	24.2	36.4





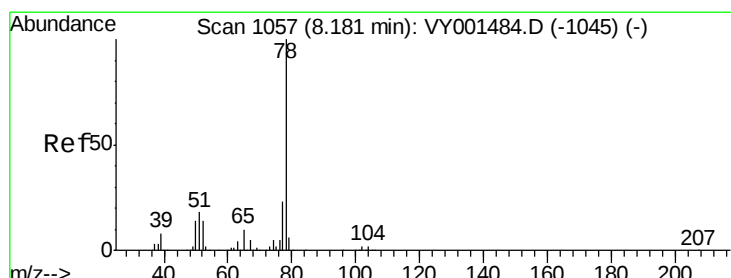
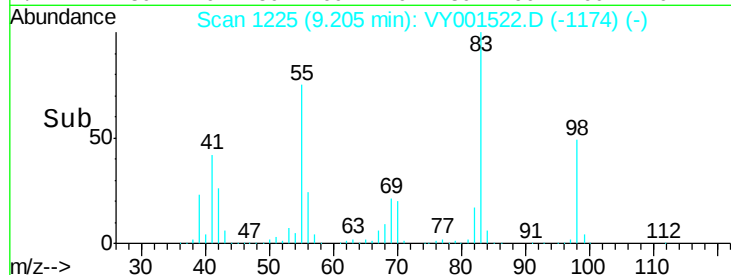
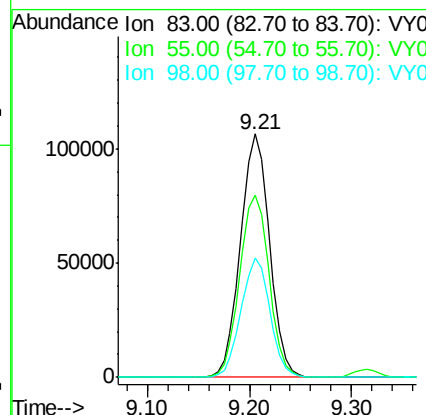
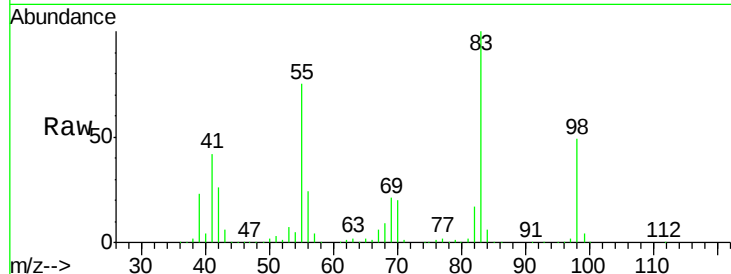
#39
Methvlcvclohexane
Concen: 51.558 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.8	89.6
98	48.9	38.6	57.8

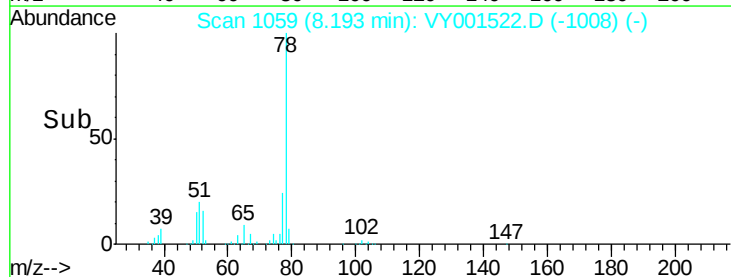
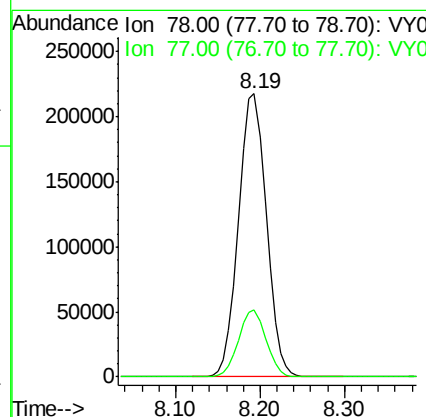
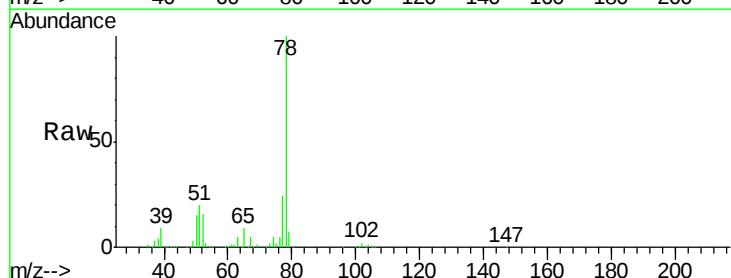
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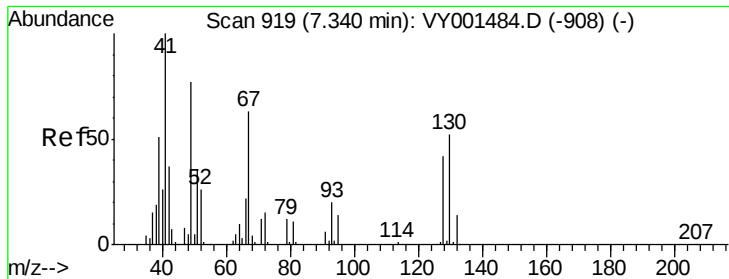
MMDadoda
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#40
Benzene
Concen: 54.905 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7





#41

Methacrylonitrile

Concen: 65.192 ug/l m

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 45399

Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

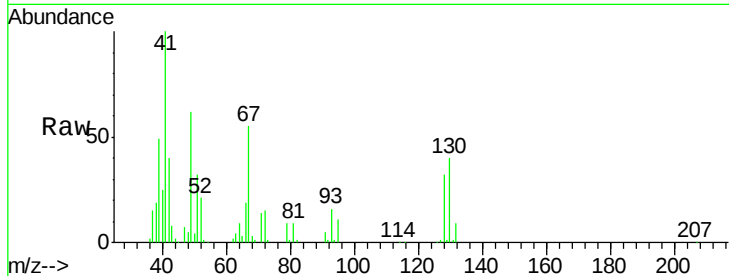
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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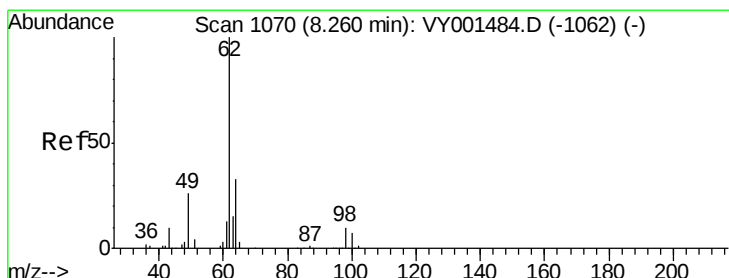
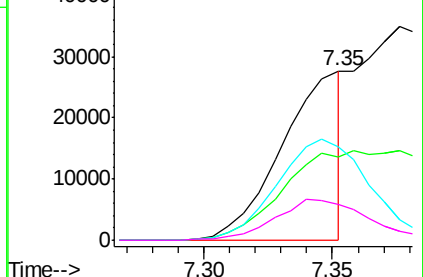
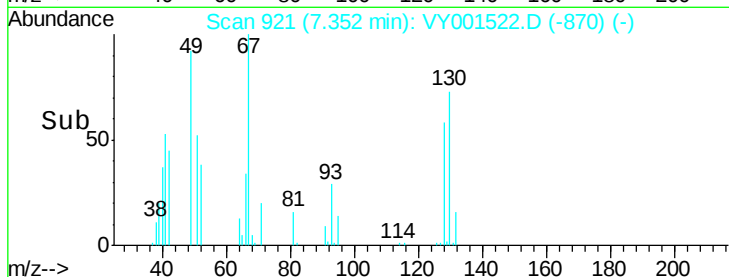


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 58.020 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VY001522.D

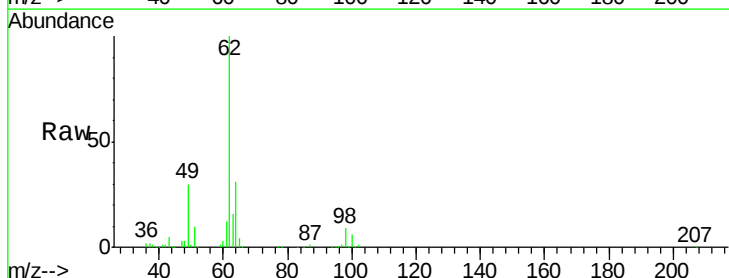
Acq: 05 Feb 2020 20:53

Tgt Ion: 62 Resp: 143105

Ion Ratio Lower Upper

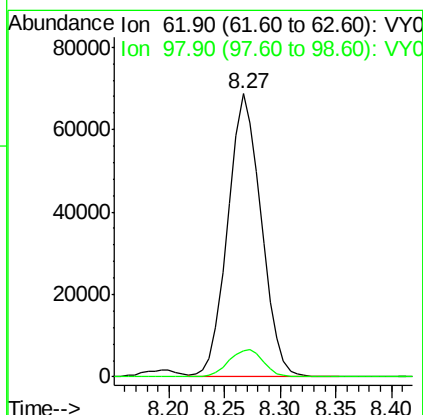
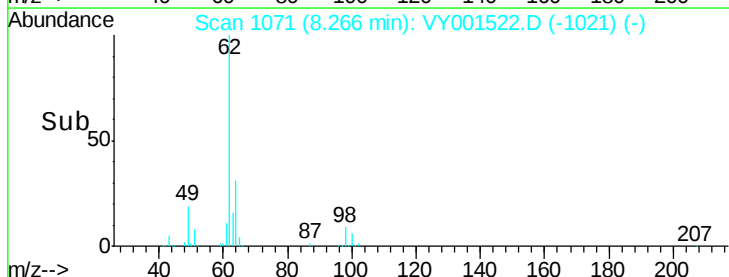
62 100

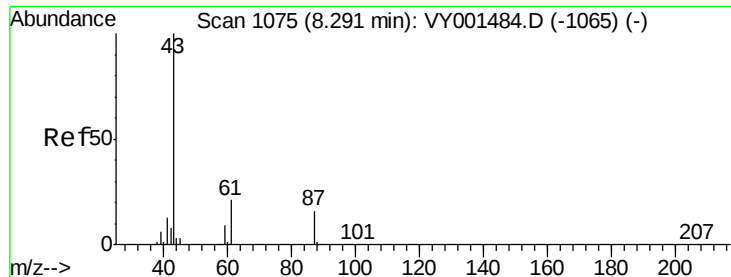
98 10.0 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





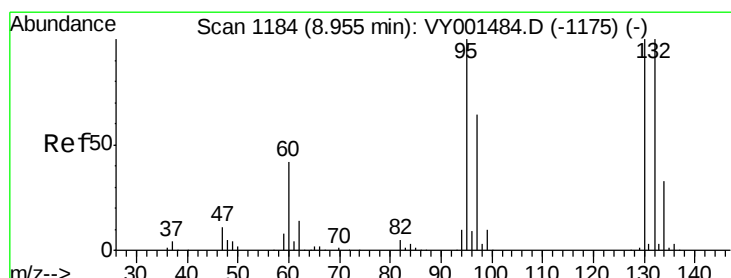
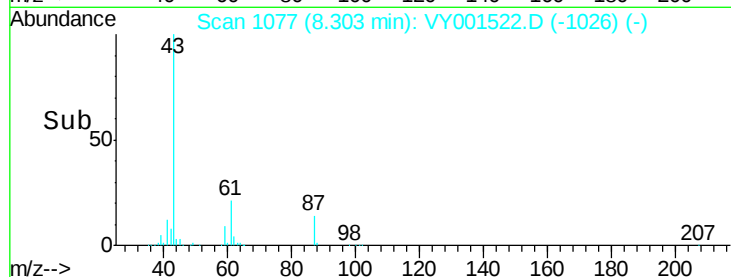
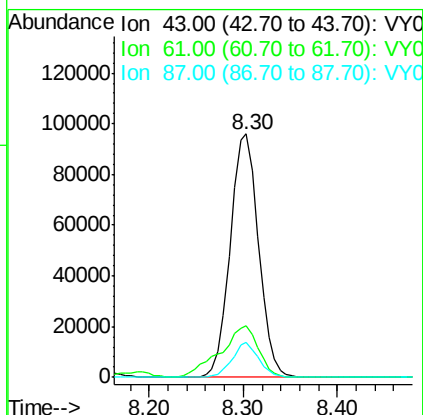
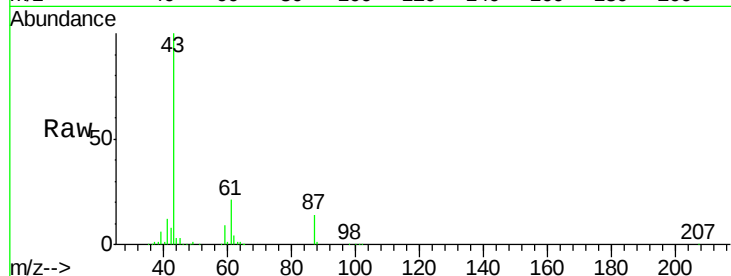
#43
Isopropyl Acetate
Concen: 67.275 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	25.1	37.7
87	13.3	12.6	19.0

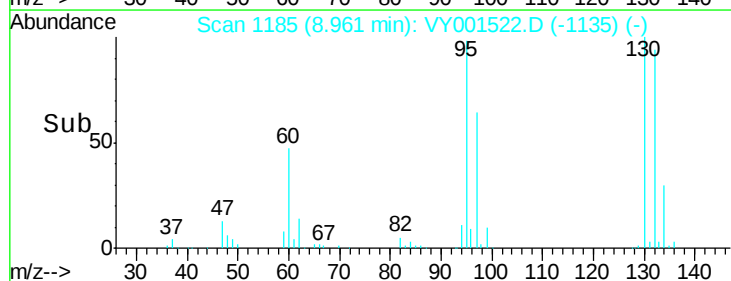
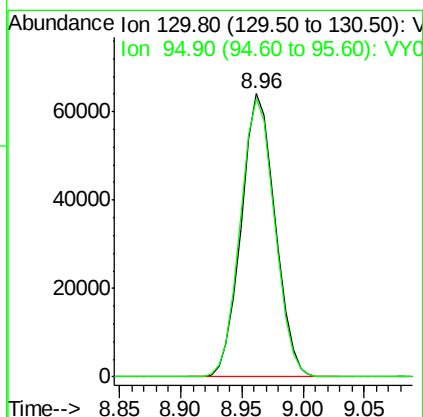
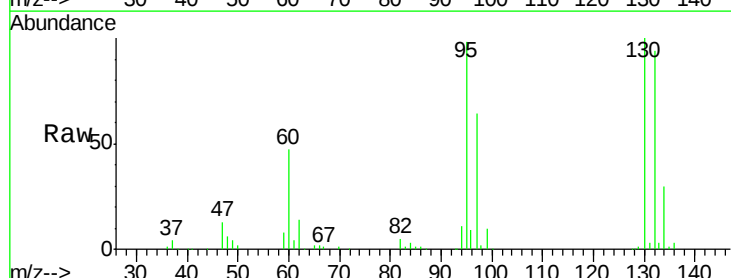
Manual Integrations
APPROVED

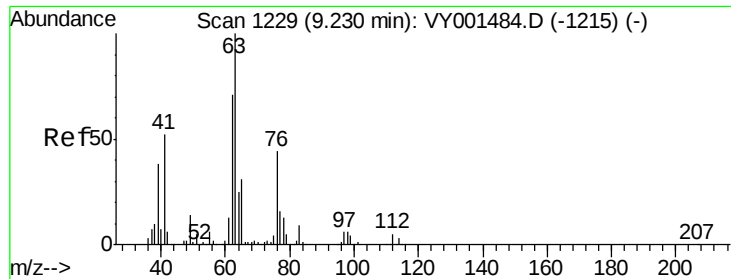
MMDadoda
2/6/2020 12:47:06 PM



#44
Trichloroethene
Concen: 51.801 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	199.2





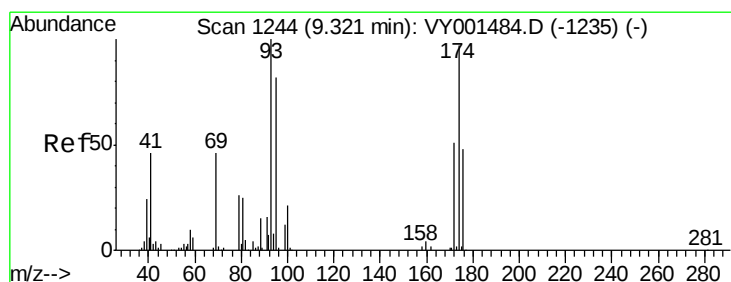
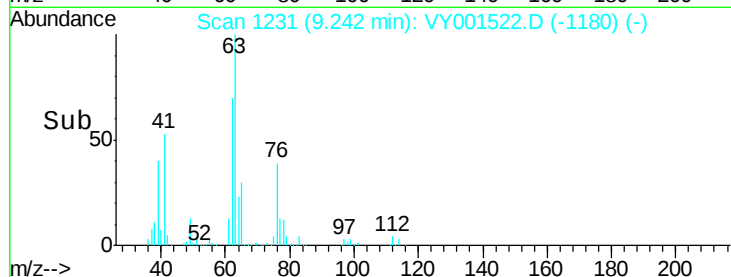
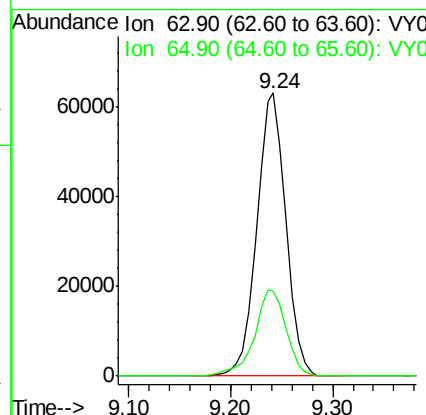
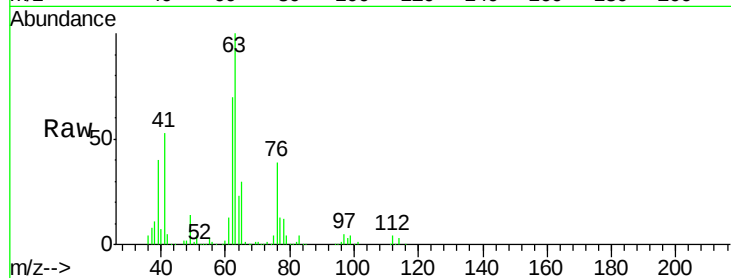
#45
 1,2-Dichloropropane
 Concen: 58.244 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.0	37.4

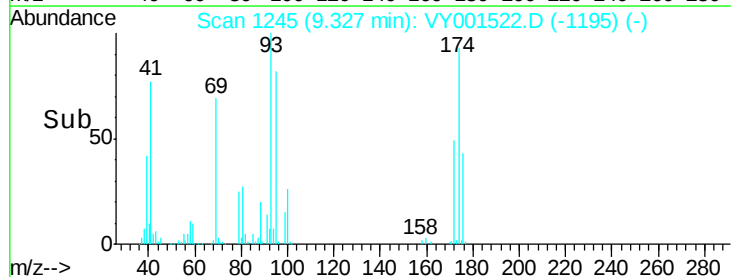
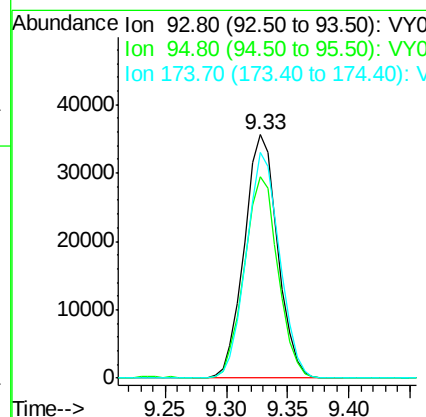
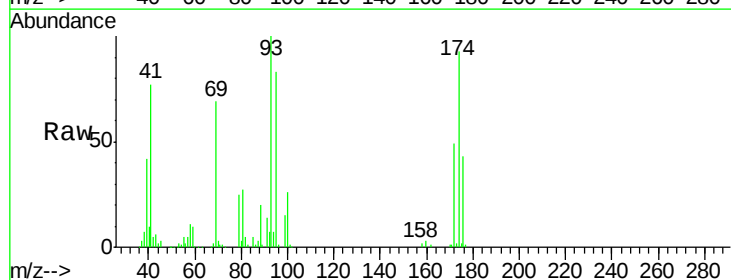
Manual Integrations
 APPROVED

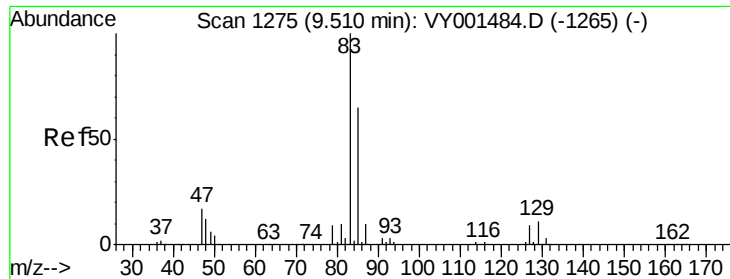
MMDadoda
 2/6/2020 12:47:06 PM



#46
 Dibromomethane
 Concen: 56.269 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.6	99.8
174	92.6	75.4	113.2





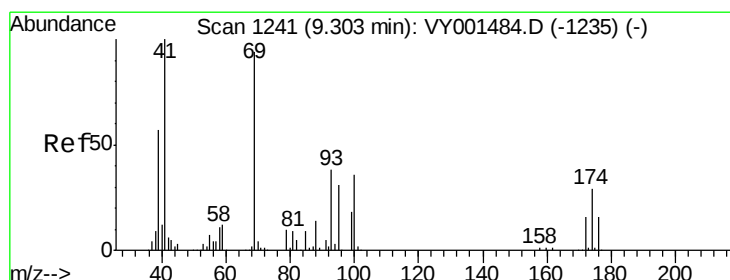
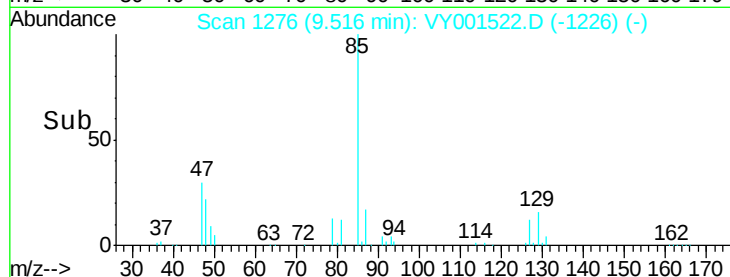
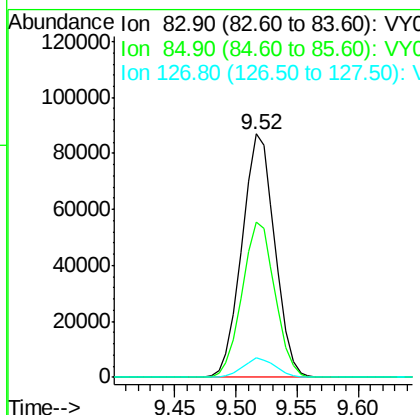
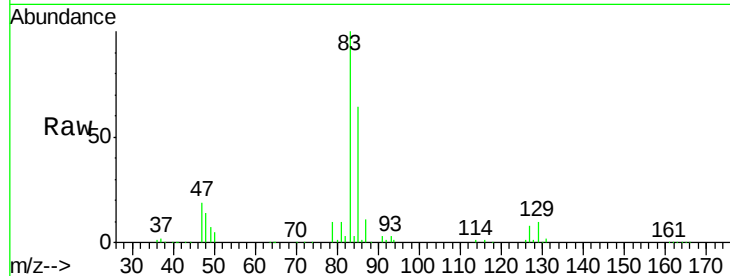
#47
Bromodichloromethane
Concen: 55.408 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	162063		
85	63.9	51.9	77.9	
127	7.9	6.9	10.3	

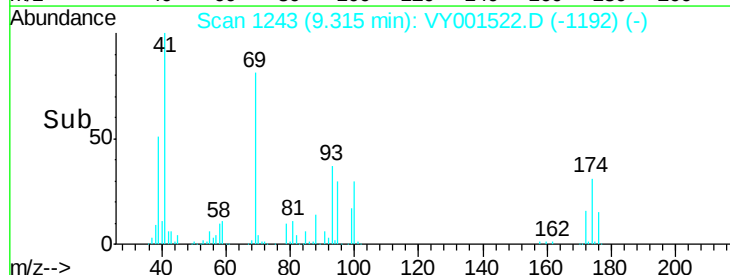
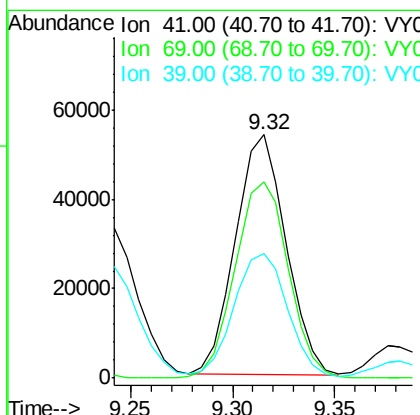
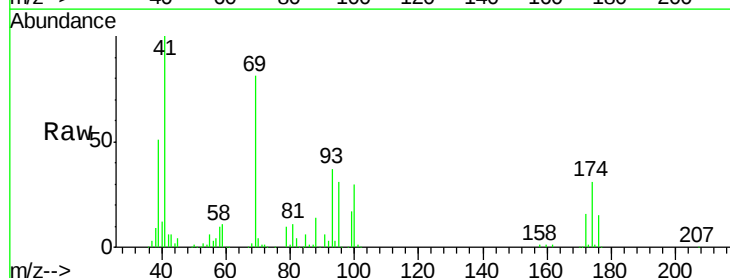
Manual Integrations
APPROVED

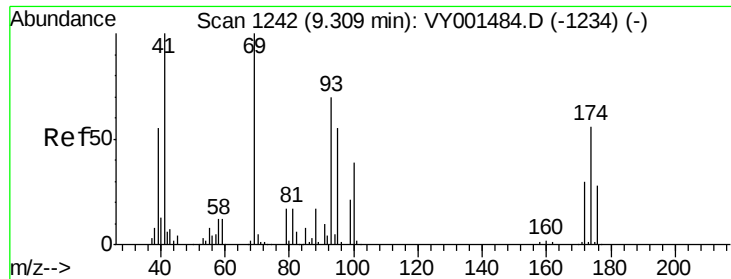
MMDadoda
2/6/2020 12:47:06 PM



#48
Methyl methacrylate
Concen: 68.487 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	92474		
69	86.4	76.6	114.8	
39	55.8	45.4	68.0	





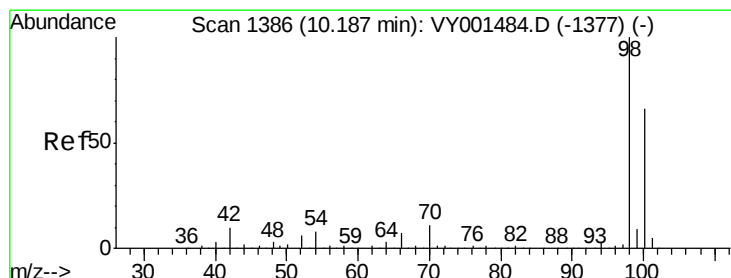
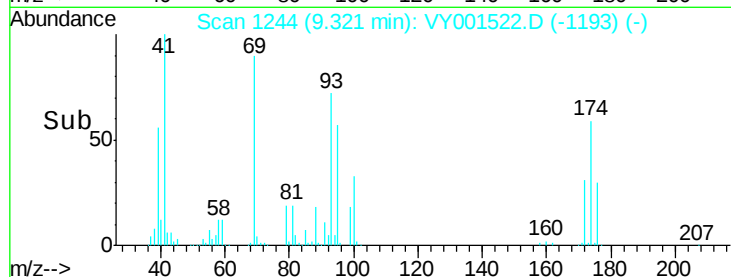
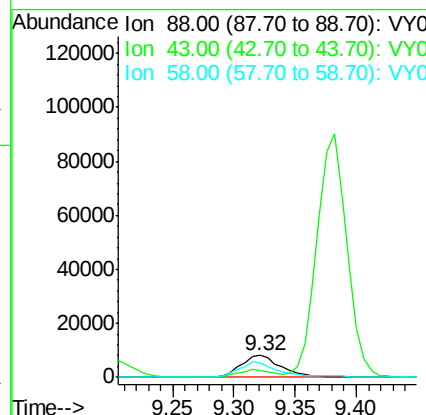
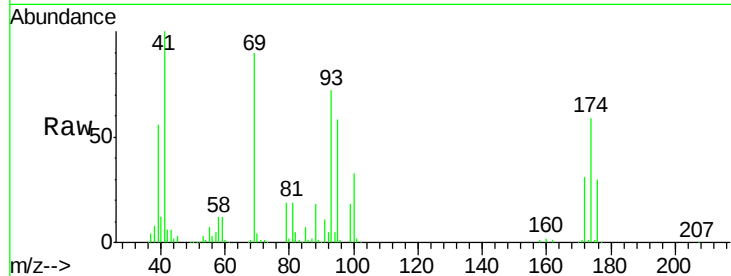
#49
1,4-Dioxane
Concen: 1168.249 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	24.8	37.2
58	67.4	59.3	88.9

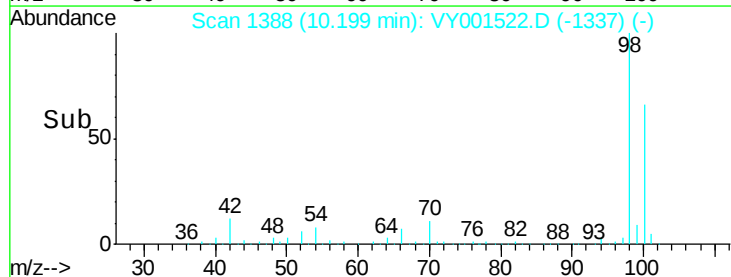
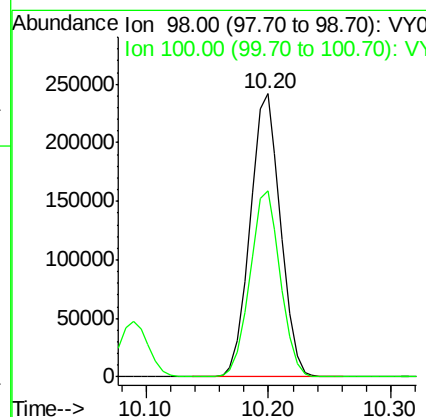
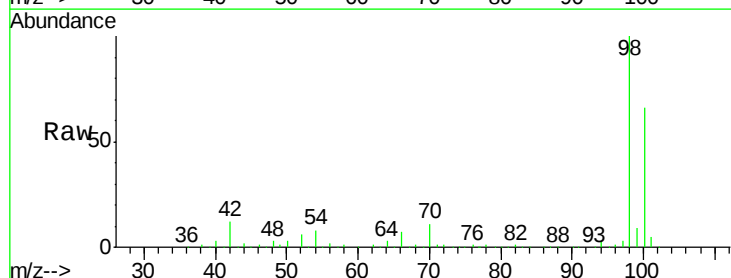
Manual Integrations
APPROVED

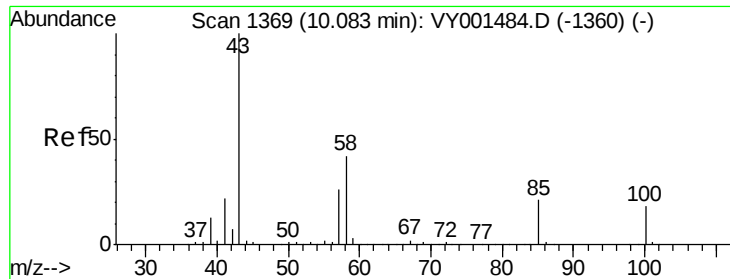
MMDadoda
2/6/2020 12:47:06 PM



#50
Toluene-d8
Concen: 56.126 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 353.126 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 517364

Ion Ratio Lower Upper

43 100

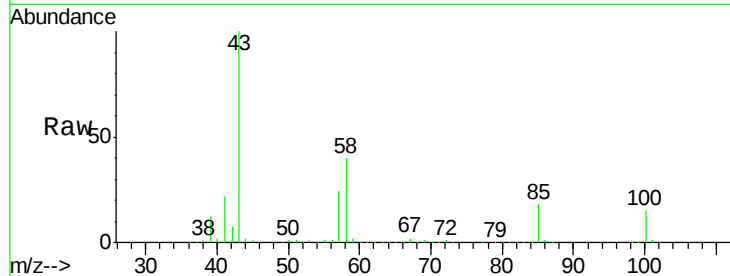
58 39.6 33.9 50.9

Manual Integrations

APPROVED

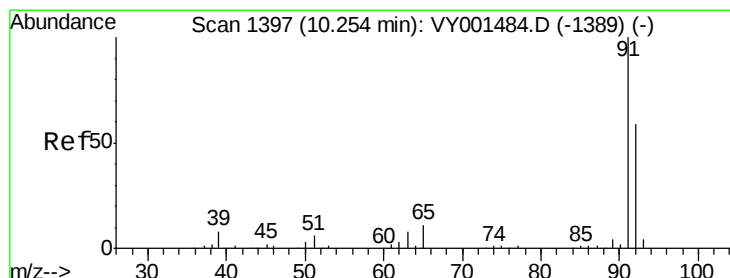
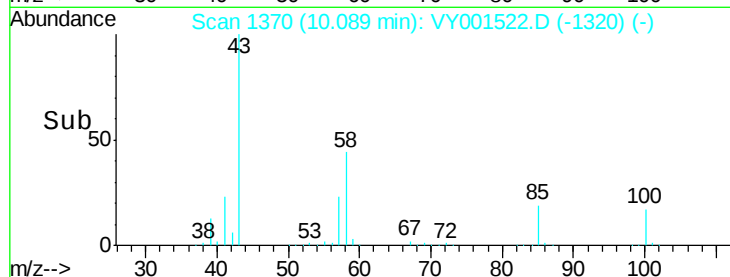
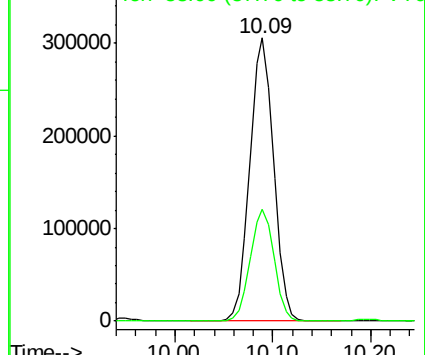
MMDadoda

2/6/2020 12:47:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VY001522.D (-1320) (-)

Ion 58.00 (57.70 to 58.70): VY001522.D (-1320) (-)



#52

Toluene

Concen: 54.386 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001522.D

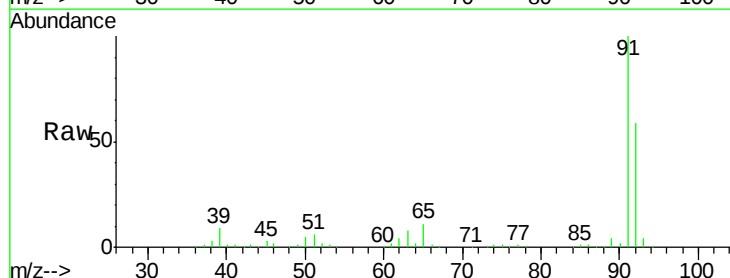
Acq: 05 Feb 2020 20:53

Tgt Ion: 92 Resp: 305508

Ion Ratio Lower Upper

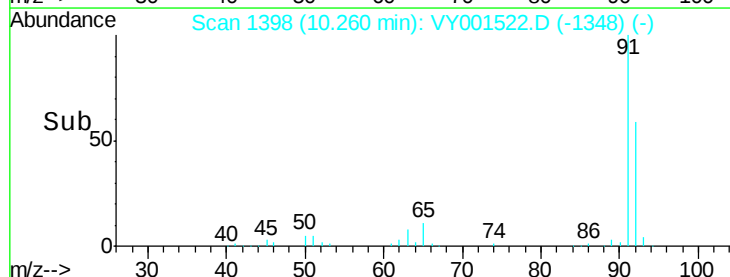
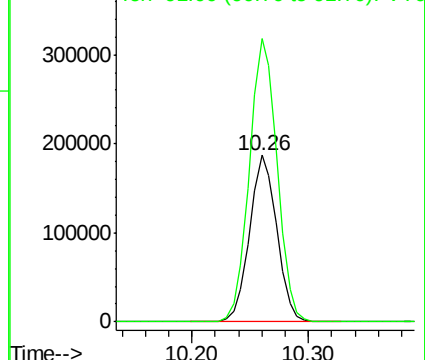
92 100

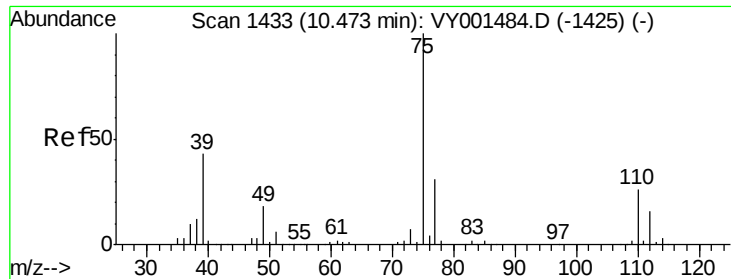
91 173.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001522.D (-1348) (-)

Ion 91.00 (90.70 to 91.70): VY001522.D (-1348) (-)





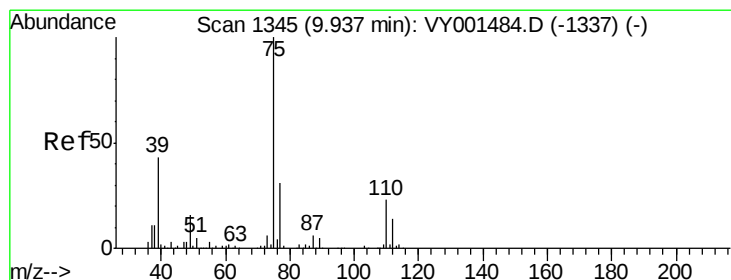
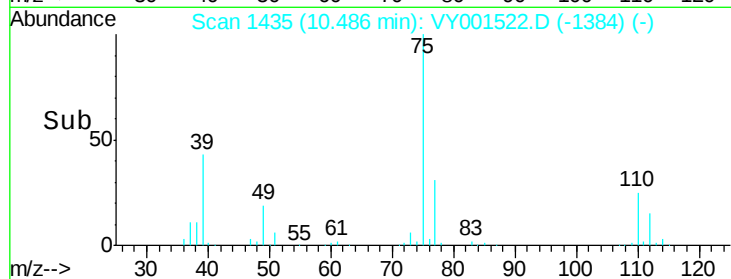
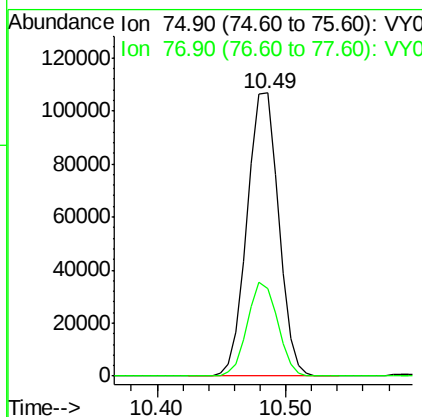
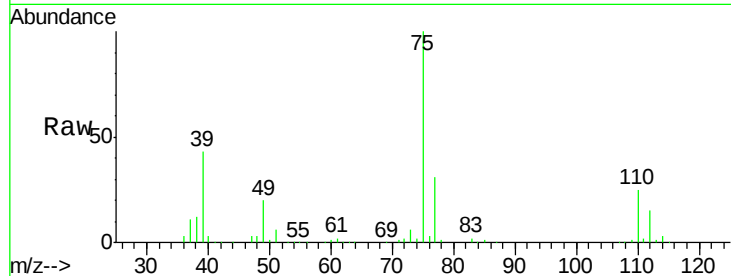
#53
t-1,3-Dichloropropene
Concen: 56.651 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 180478
Ion Ratio Lower Upper
75 100
77 30.9 24.9 37.3

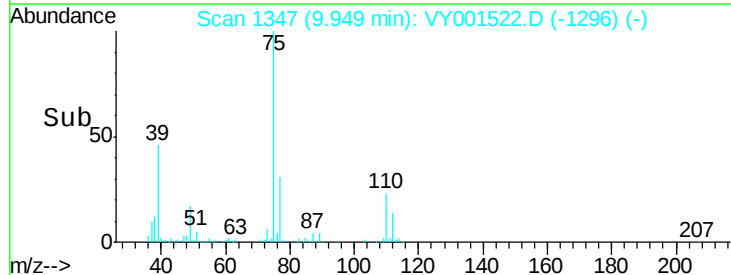
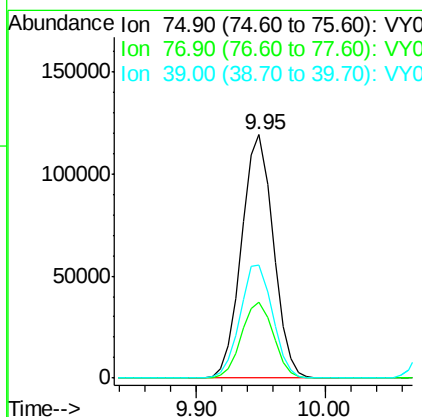
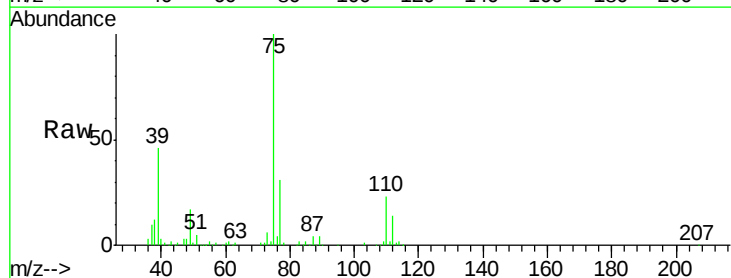
Manual Integrations
APPROVED

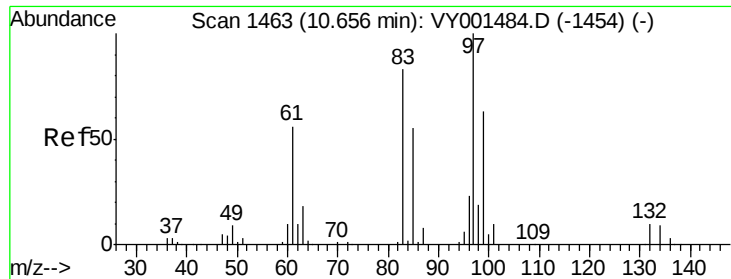
MMDadoda
2/6/2020 12:47:06 PM



#54
cis-1,3-Dichloropropene
Concen: 55.540 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion: 75 Resp: 203131
Ion Ratio Lower Upper
75 100
77 31.0 24.7 37.1
39 46.4 34.0 51.0





#55

1,1,2-Trichloroethane

Concen: 57.968 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

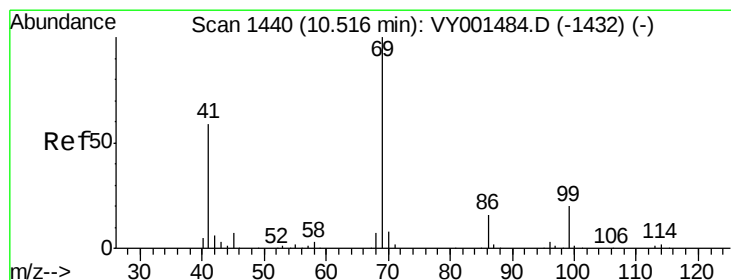
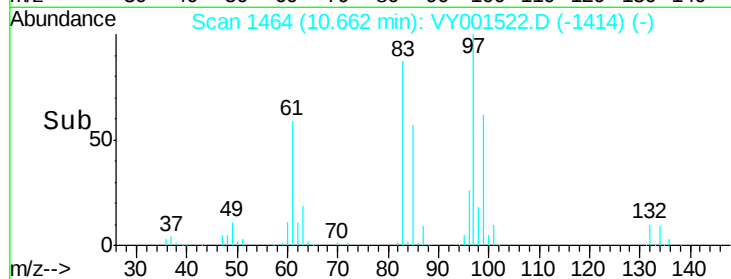
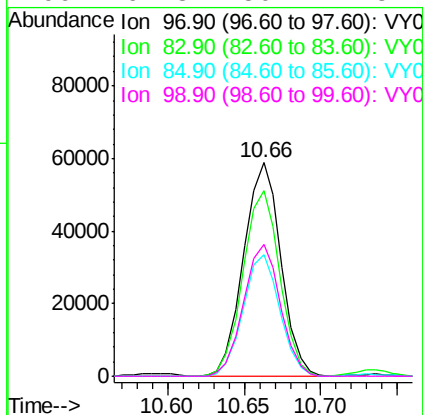
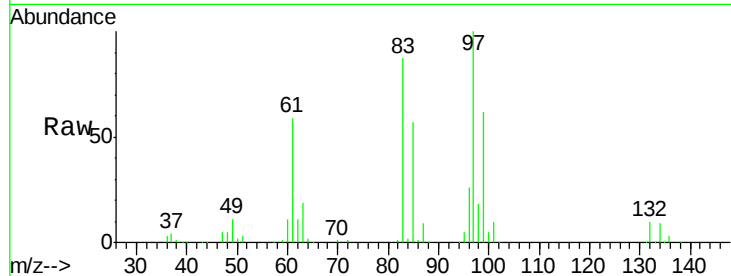
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	99840
Ion	Ratio	Lower	Upper
97	100		
83	86.9	66.2	99.2
85	56.9	43.8	65.6
99	61.8	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 62.606 ug/l

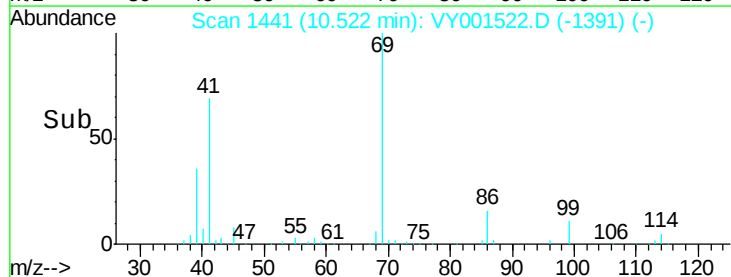
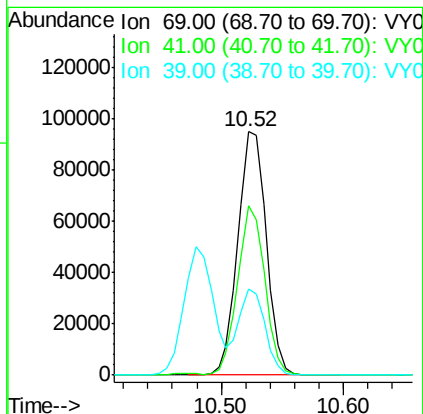
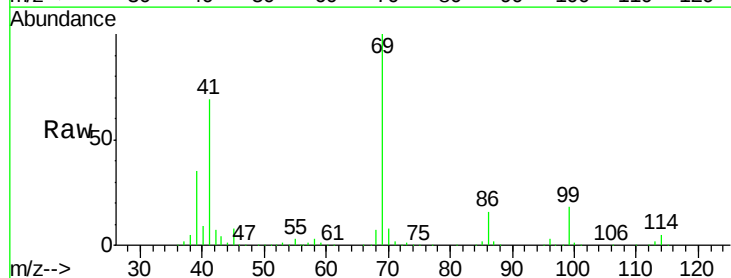
RT: 10.52 min Scan# 1441

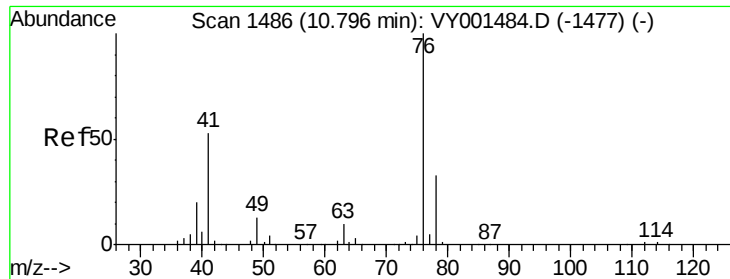
Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Tgt Ion:	69	Resp:	153368
Ion	Ratio	Lower	Upper
69	100		
41	65.9	47.8	71.8
39	33.4	24.4	36.6





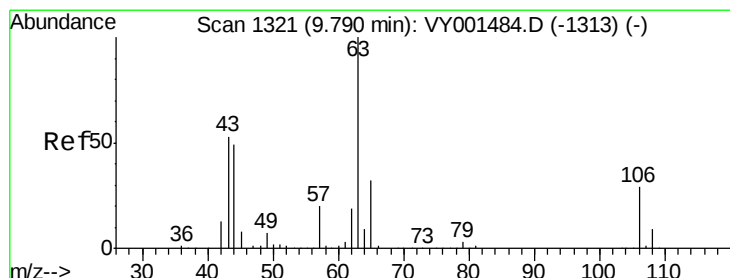
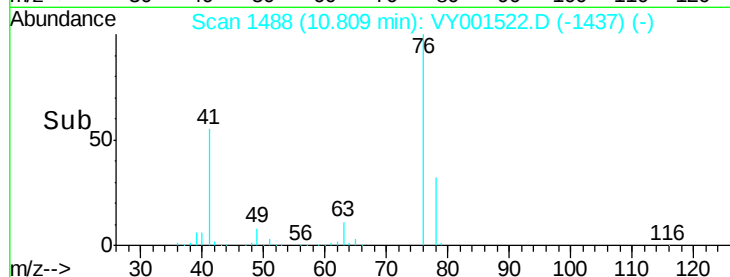
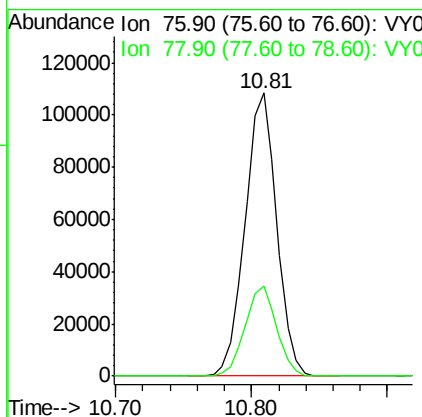
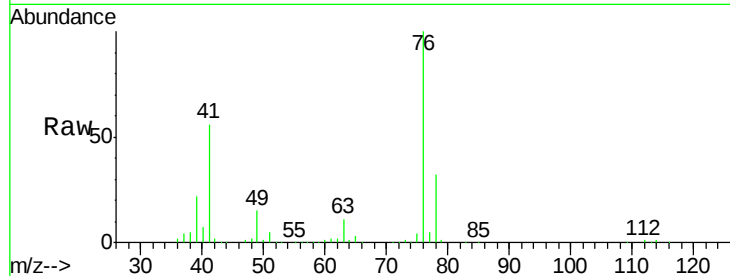
#57
 1,3-Dichloropropane
 Concen: 58.083 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 176345
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5

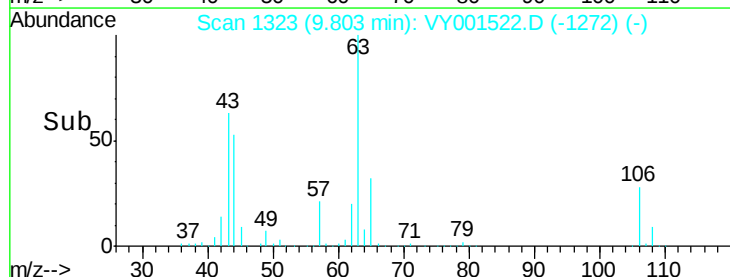
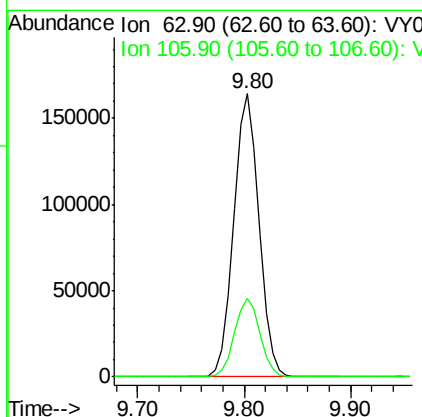
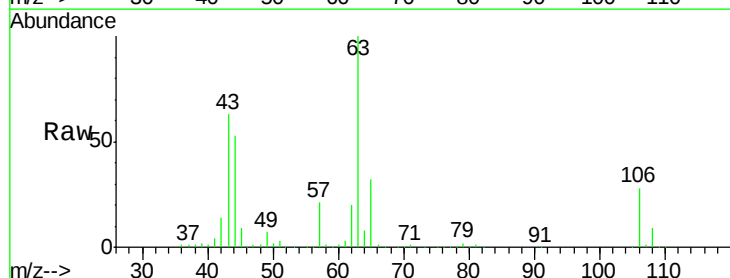
Manual Integrations
 APPROVED

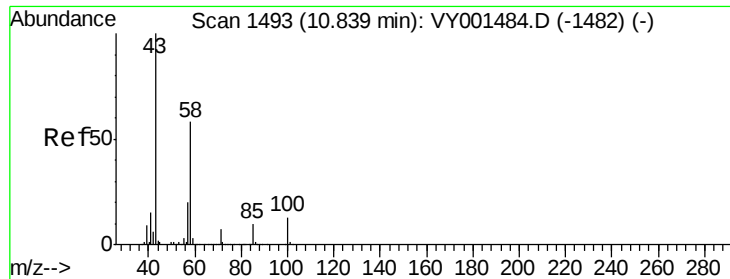
MMDadoda
 2/6/2020 12:47:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 303.566 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Tgt Ion: 63 Resp: 273572
 Ion Ratio Lower Upper
 63 100
 106 27.8 24.0 36.0





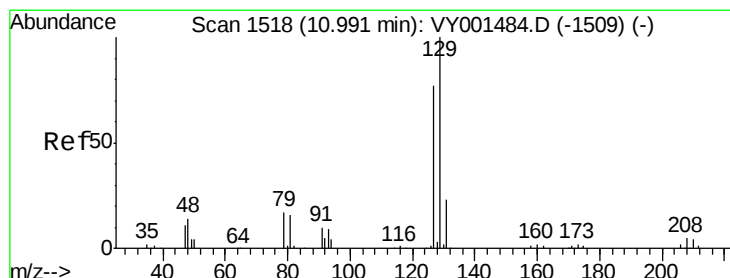
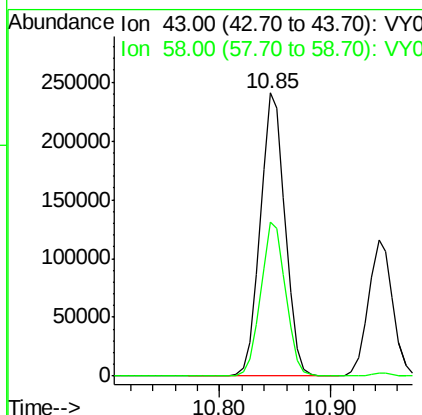
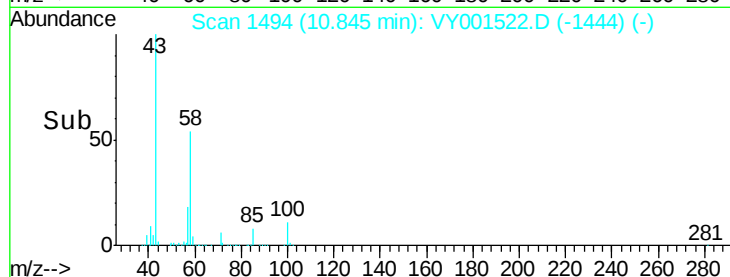
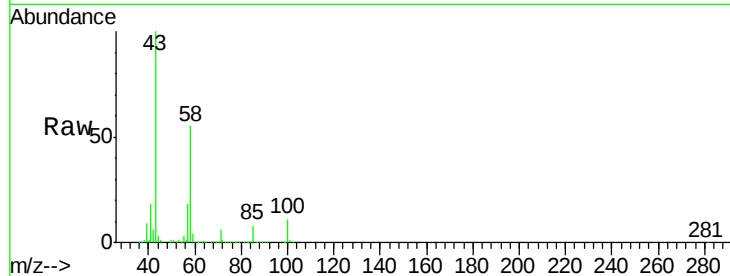
#59
2-Hexanone
Concen: 351.578 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 374520
Ion Ratio Lower Upper
43 100
58 54.6 29.0 87.0

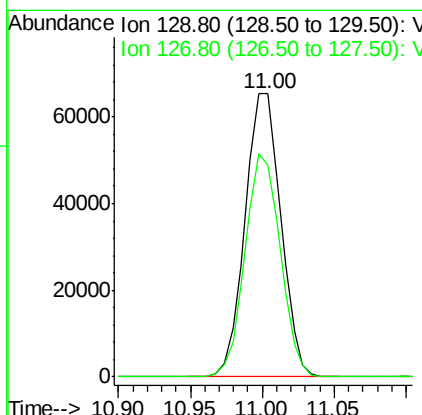
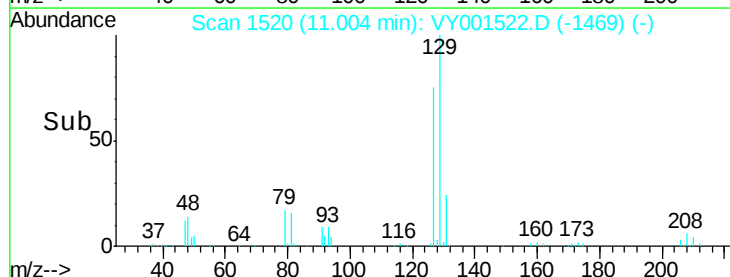
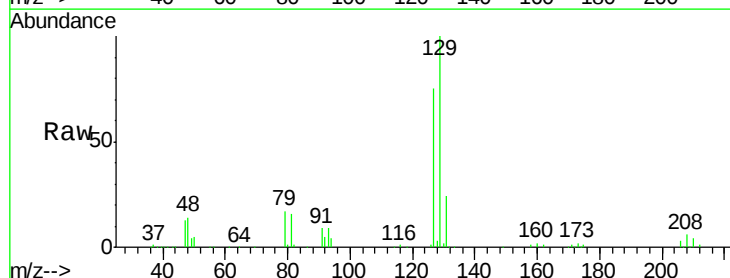
Manual Integrations
APPROVED

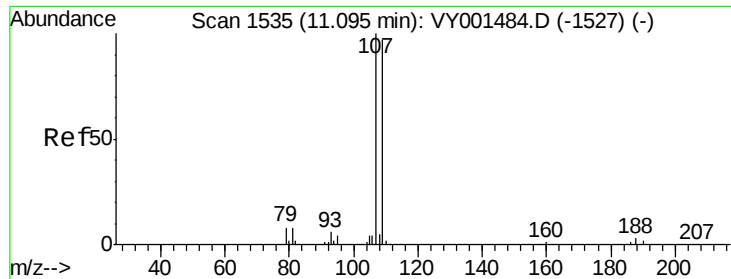
MMDadoda
2/6/2020 12:47:06 PM



#60
Dibromochloromethane
Concen: 55.480 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion: 129 Resp: 112635
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 57.170 ug/l

RT: 11.11 min Scan# 1537

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 96983

Ion Ratio Lower Upper

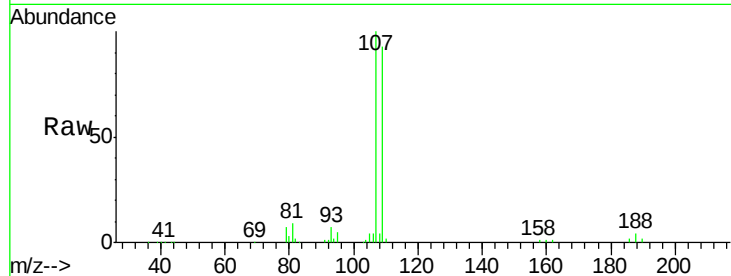
107 100

109 94.2 76.2 114.2

Manual Integrations
APPROVED

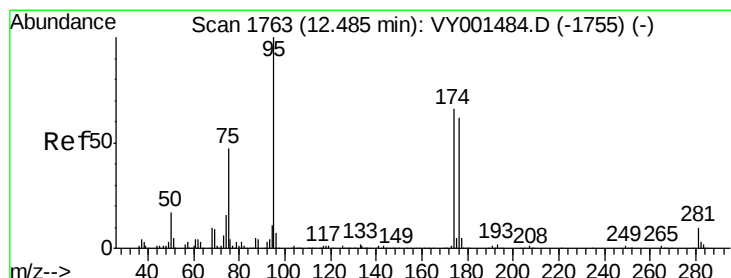
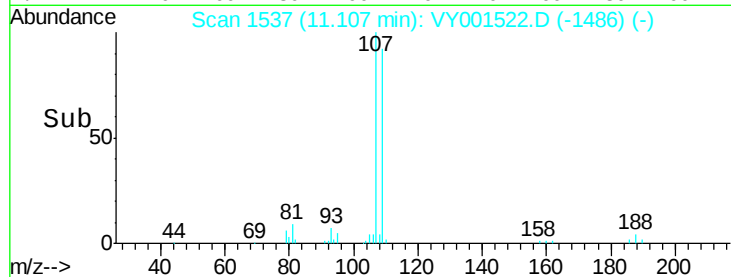
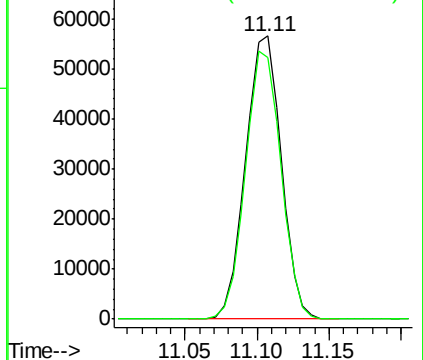
MMDadoda

2/6/2020 12:47:06 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.358 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

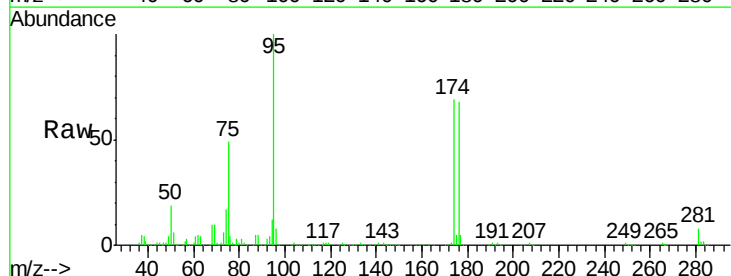
Tgt Ion: 95 Resp: 158514

Ion Ratio Lower Upper

95 100

174 71.7 0.0 141.4

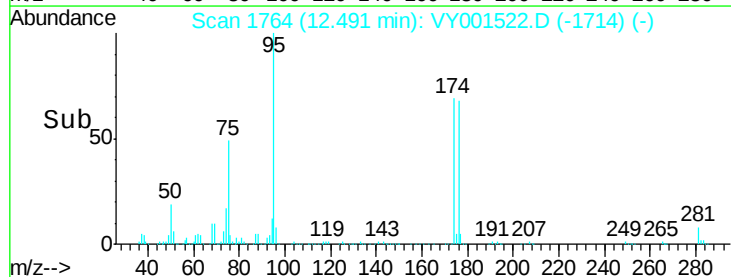
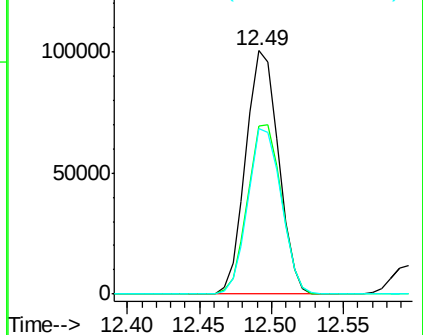
176 69.4 0.0 135.4

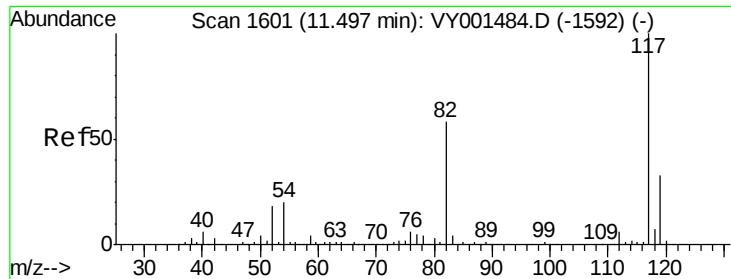


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





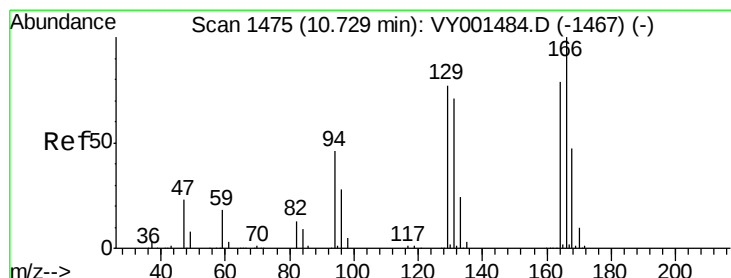
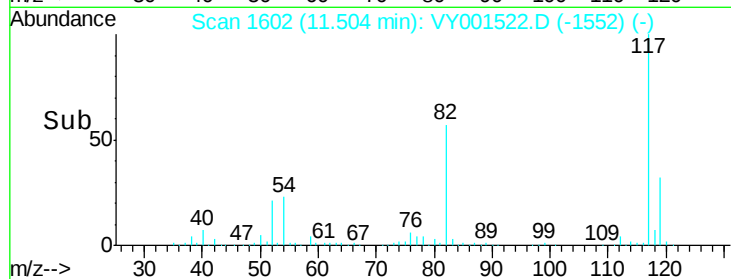
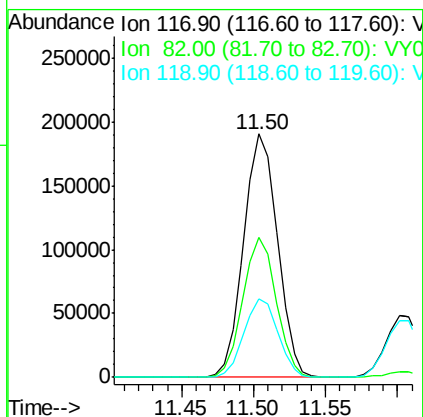
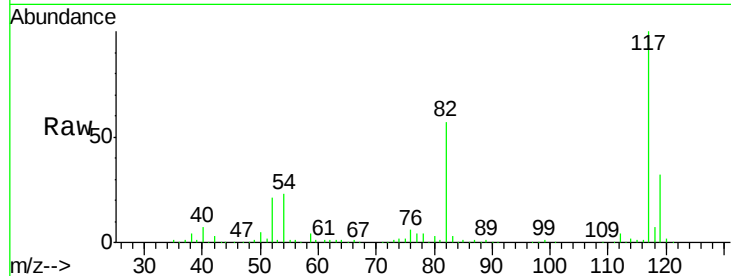
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.1	69.1
119	32.2	26.1	39.1

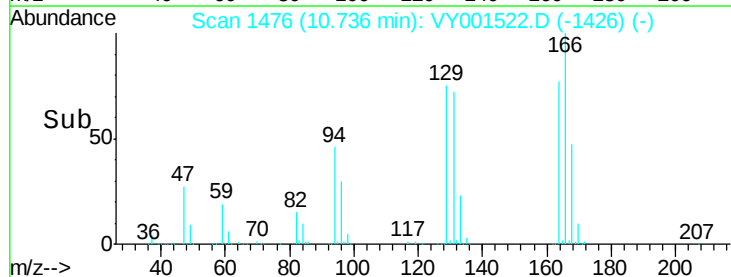
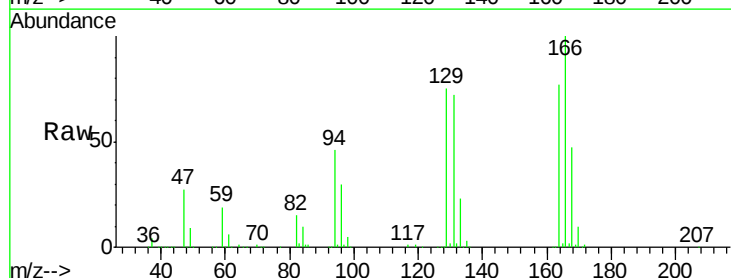
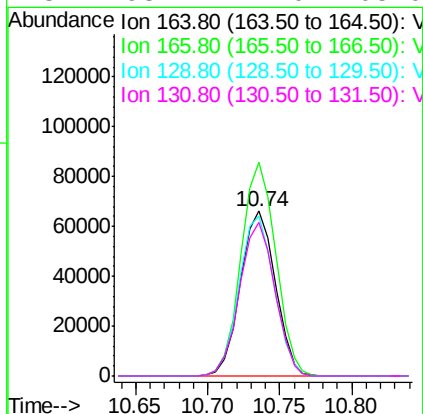
Manual Integrations
APPROVED

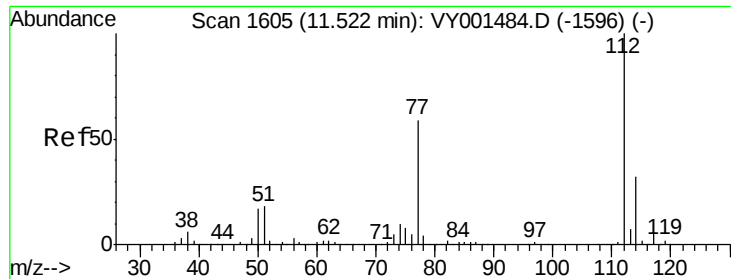
MMDadoda
2/6/2020 12:47:06 PM



#64
Tetrachloroethene
Concen: 54.585 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	100.8	151.2
129	97.3	77.8	116.6
131	93.4	72.0	108.0





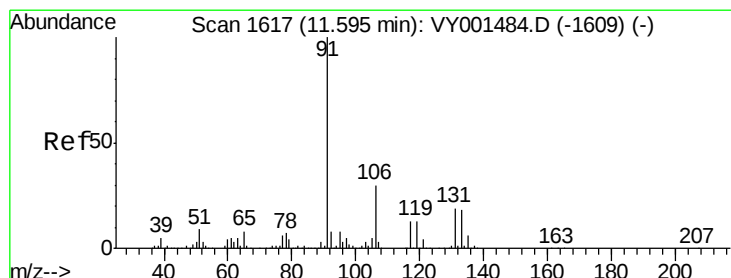
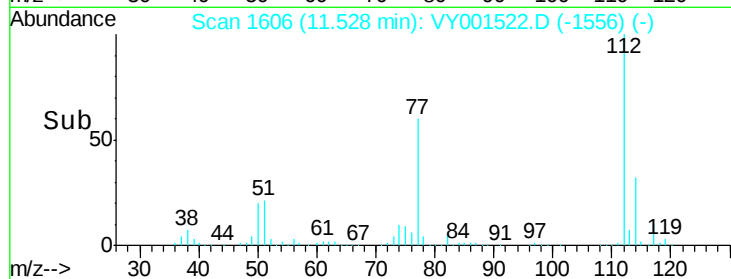
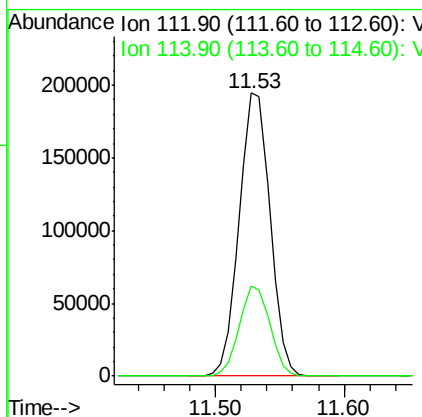
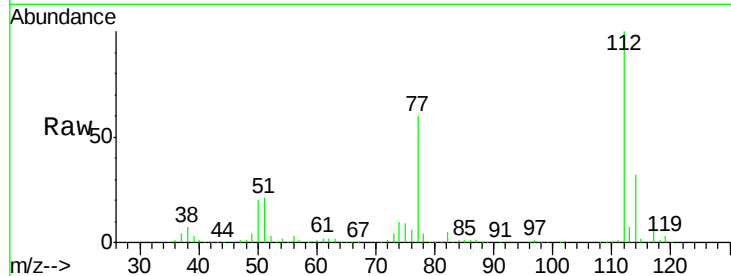
#65
Chlorobenzene
Concen: 52.977 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 322876
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

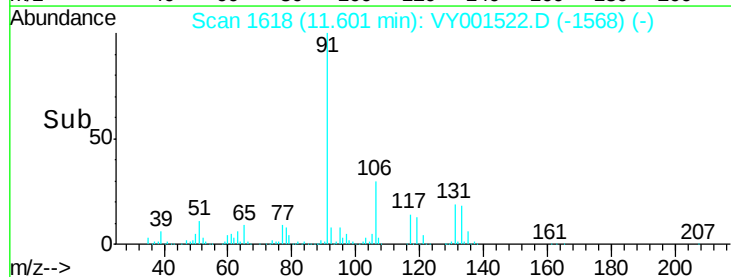
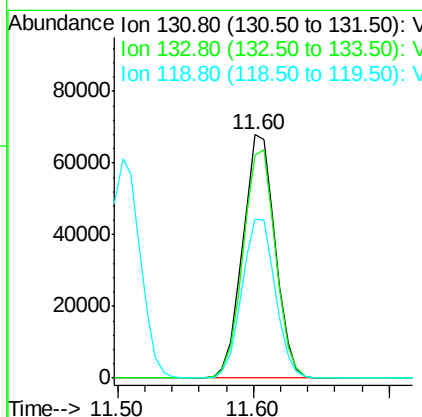
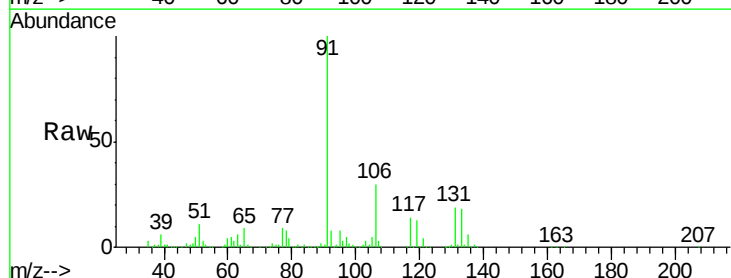
Manual Integrations
APPROVED

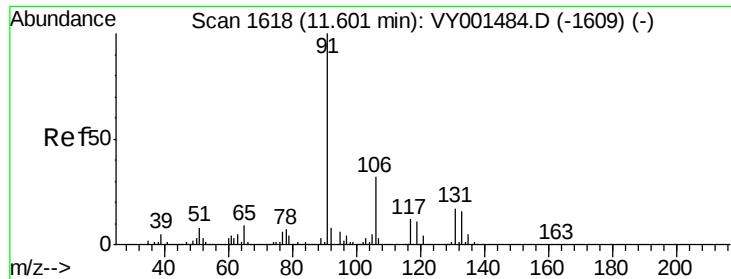
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.184 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion:131 Resp: 113446
Ion Ratio Lower Upper
131 100
133 93.9 47.9 143.8
119 67.0 33.7 101.0





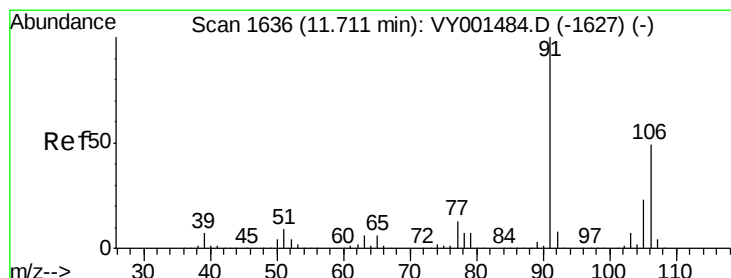
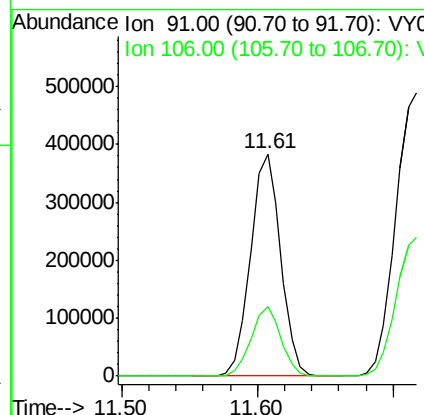
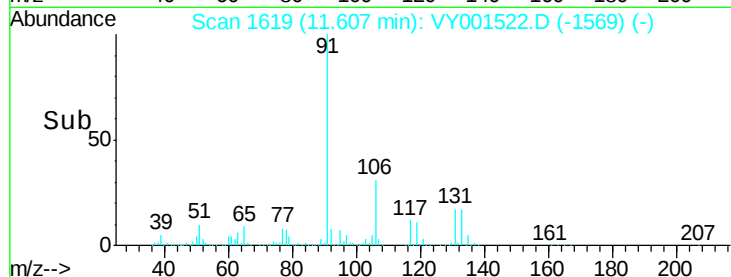
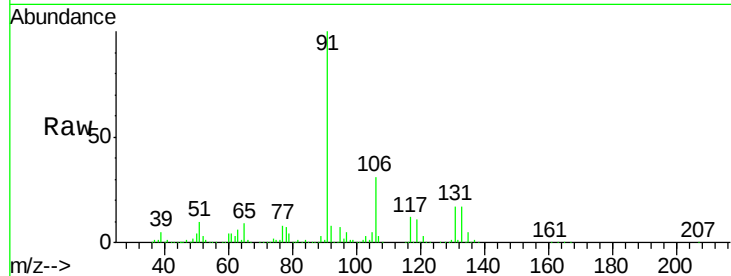
#67
Ethyl Benzene
Concen: 52.871 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 595790
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9

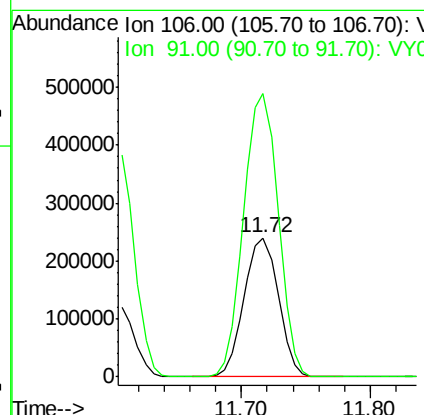
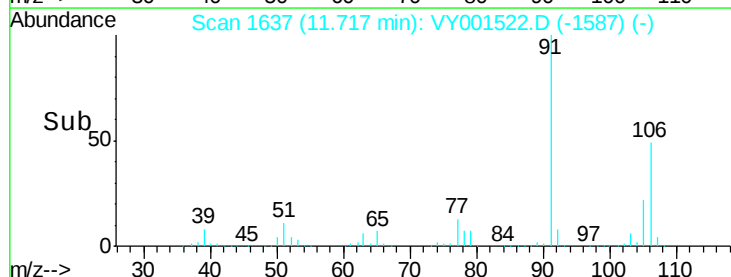
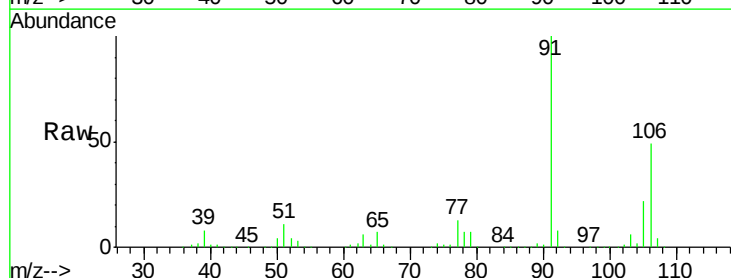
Manual Integrations
APPROVED

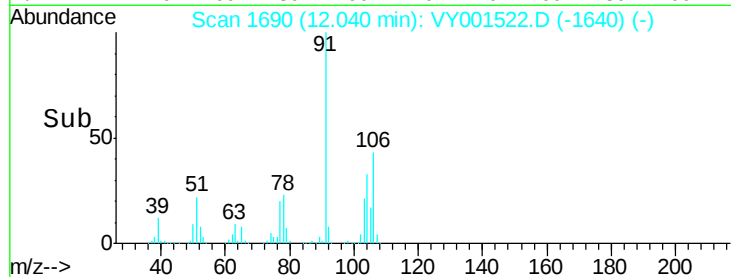
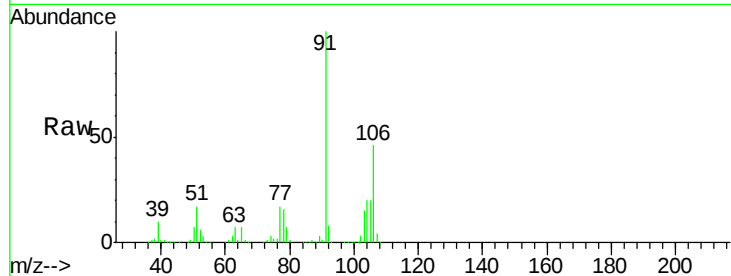
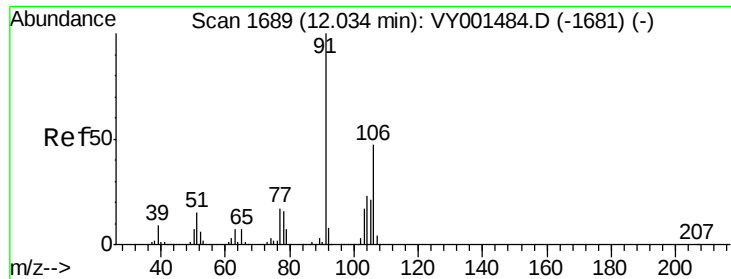
MMDadoda
2/6/2020 12:47:06 PM



#68
m/p-Xylenes
Concen: 104.746 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion: 106 Resp: 443118
Ion Ratio Lower Upper
106 100
91 205.6 163.6 245.4





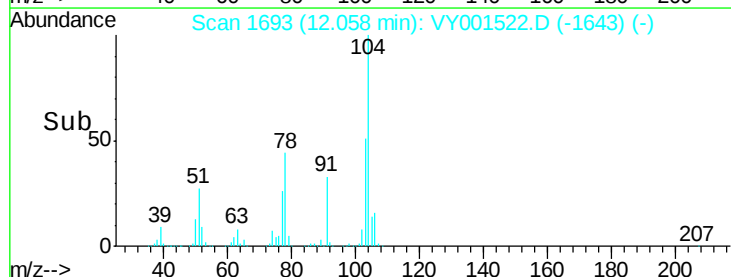
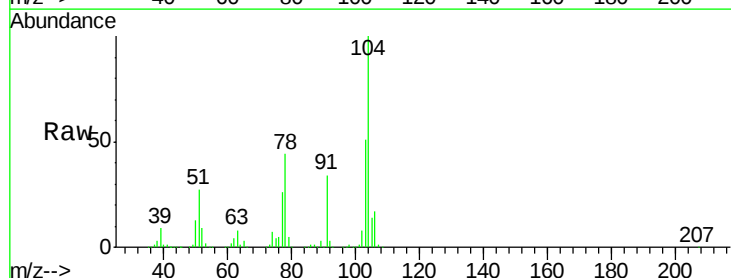
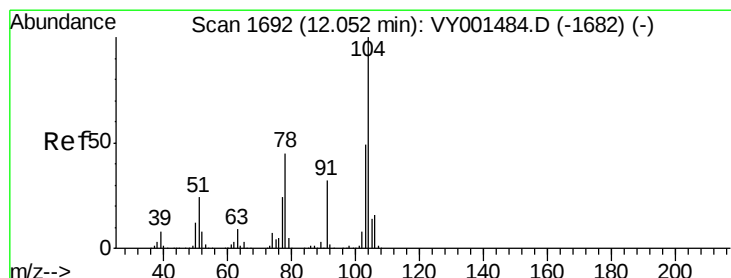
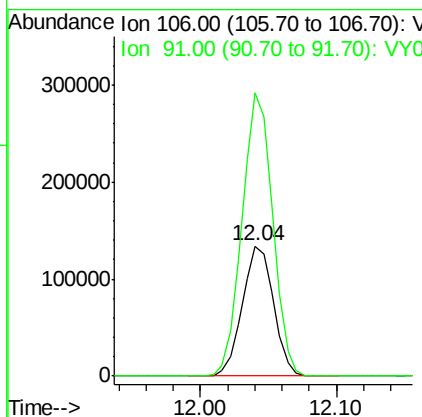
#69
o-Xylene
Concen: 53.873 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	106.0	318.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

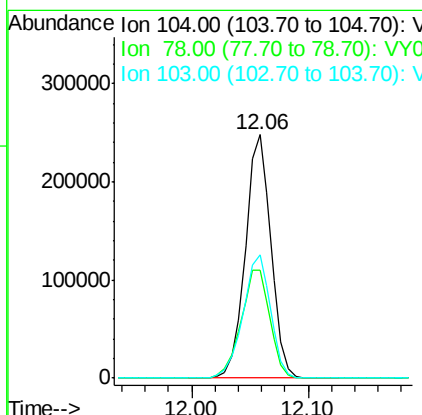
Manual Integrations
APPROVED

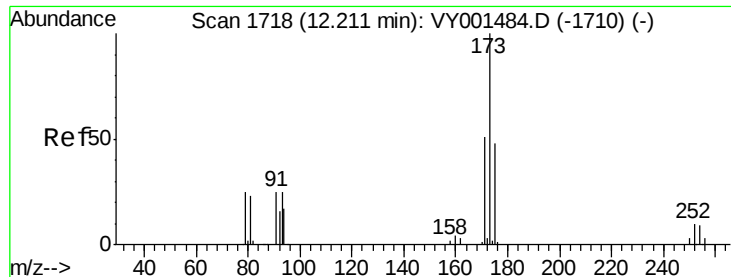
MMDadoda
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#70
Styrene
Concen: 54.812 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.4	60.6
103	54.7	42.8	64.2





#71

Bromoform

Concen: 56.889 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

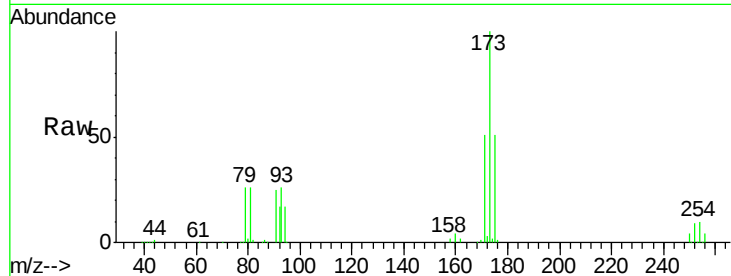
ClientSampleId :

VSTDCCC050EC

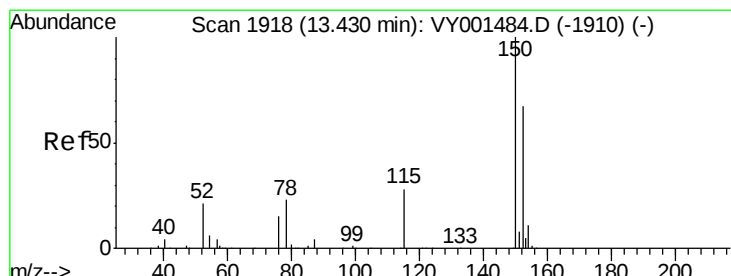
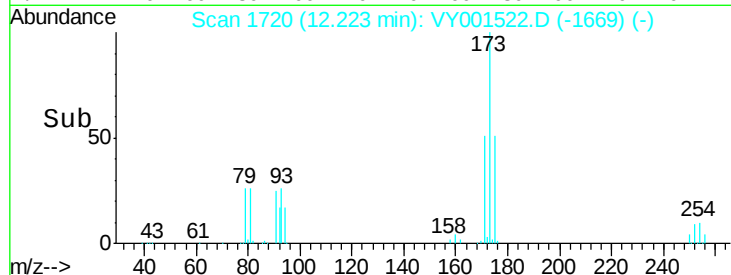
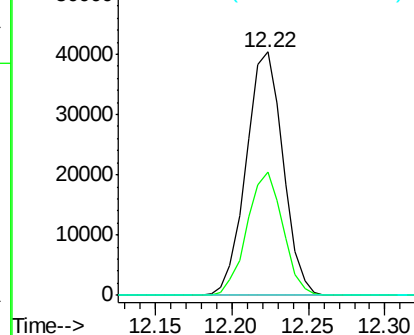
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.0	72.0
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

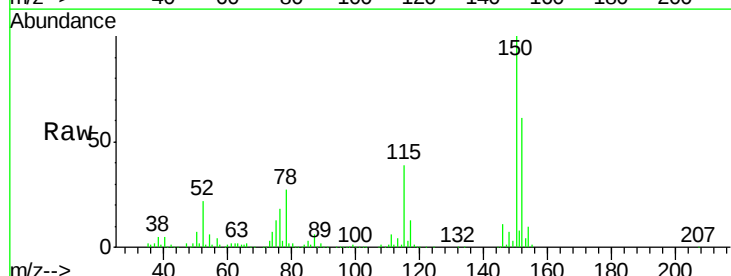
RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

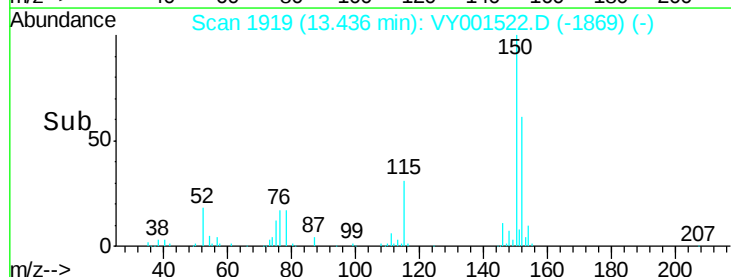
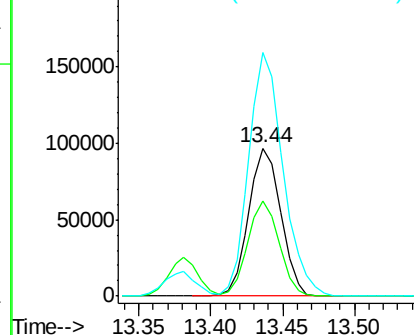
Lab File: VY001522.D

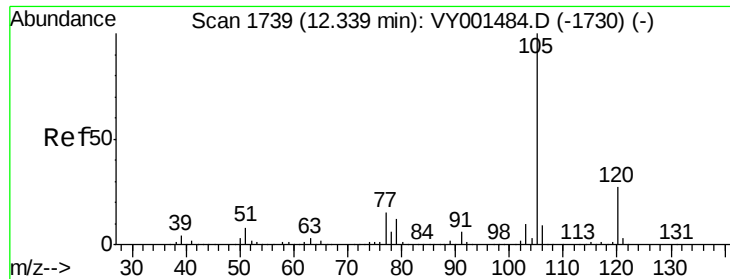
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.4	94.3
150	176.1	0.0	346.8



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: 50.534 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 575359

Ion Ratio Lower Upper

105 100

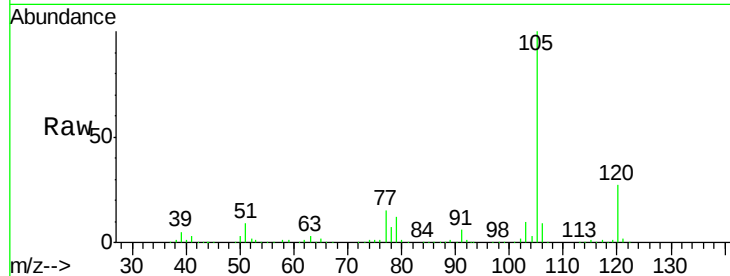
120 26.6 13.3 39.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

100000

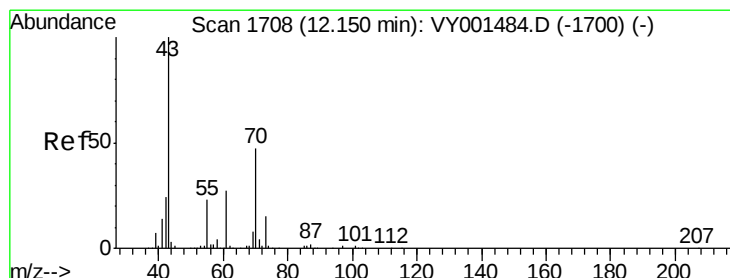
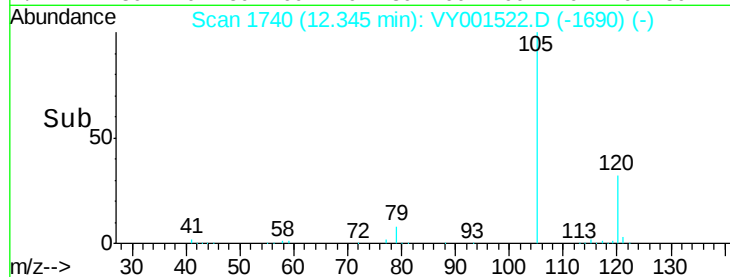
0

12.35

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 65.719 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Tgt Ion: 43 Resp: 194436

Ion Ratio Lower Upper

43 100

70 43.2 37.2 55.8

55 23.0 18.8 28.2

61 25.4 21.4 32.2

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

200000

150000

100000

50000

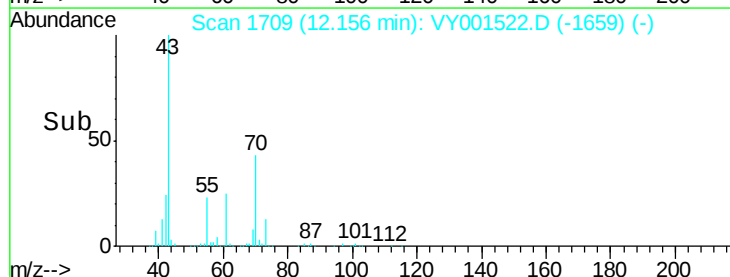
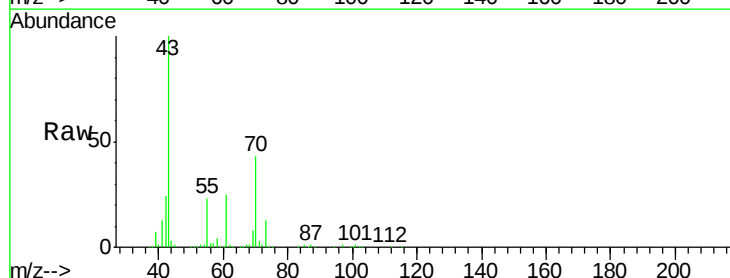
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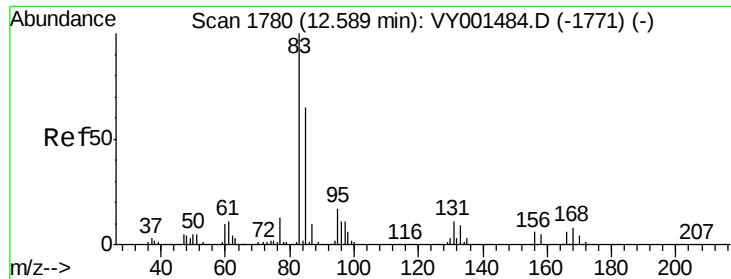
12.16

12.10

12.20

Time-->





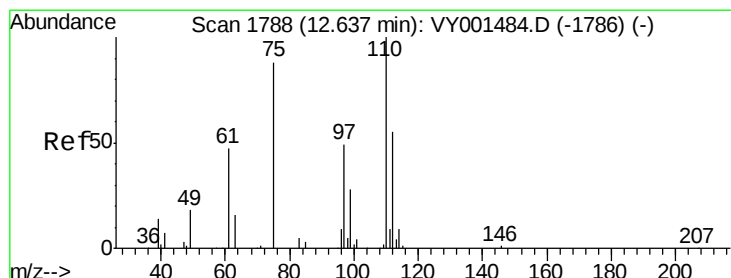
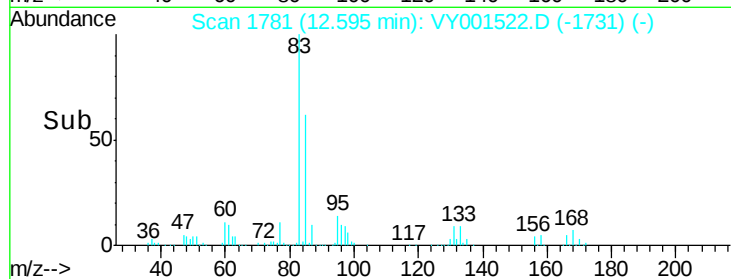
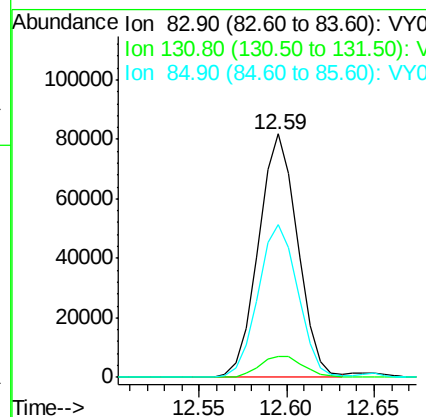
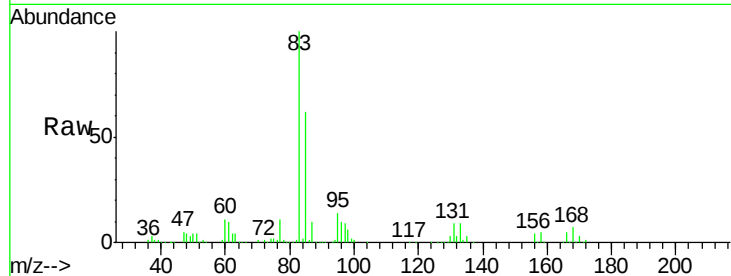
#75
 1,1,2,2-Tetrachloroethane
 Concen: 58.840 ug/l
 RT: 12.59 min Scan# 1781
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	127281		
131	9.8	5.4	16.2	
85	63.8	32.0	96.0	

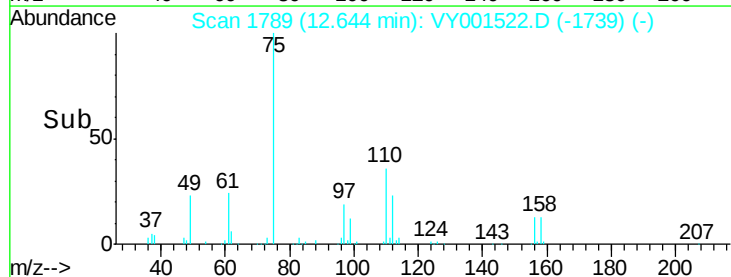
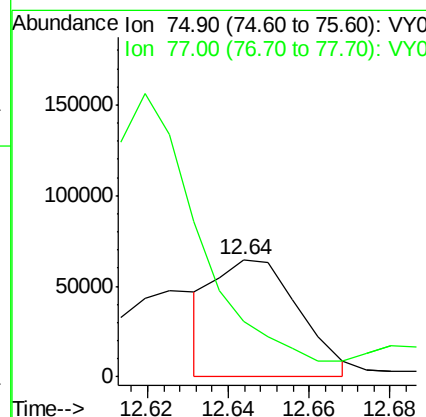
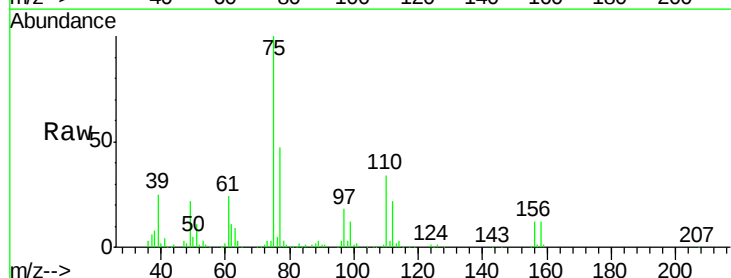
Manual Integrations
 APPROVED

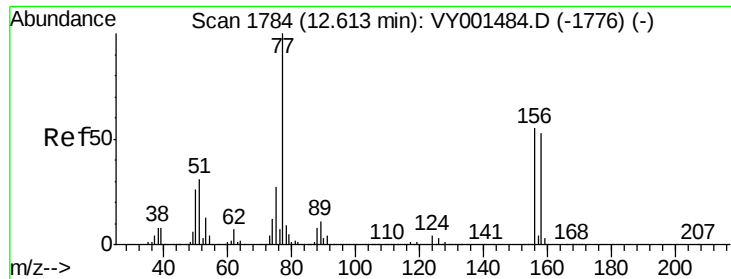
MMDadoda
 2/6/2020 12:47:06 PM



#76
 1,2,3-Trichloropropane
 Concen: 58.420 ug/l m
 RT: 12.64 min Scan# 1789
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93788		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 51.825 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

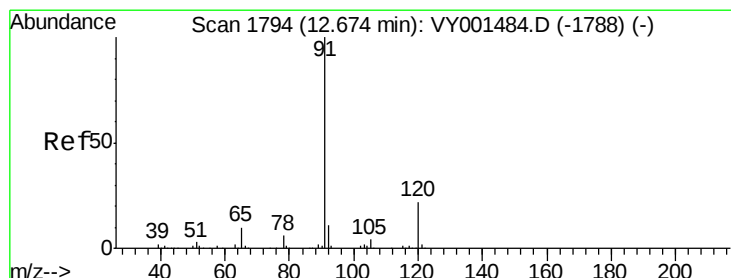
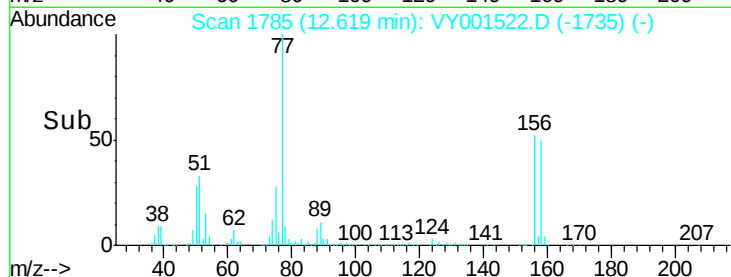
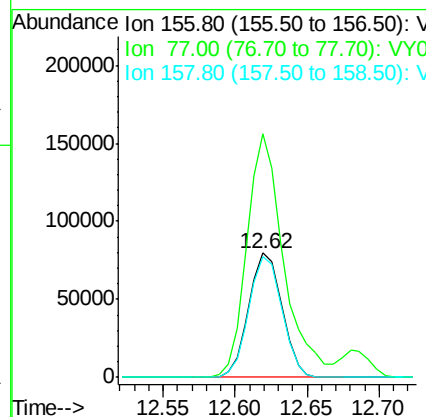
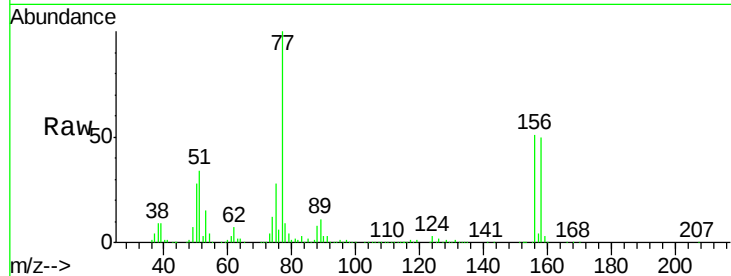
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	127695
Ion Ratio	Lower	Upper	
156	100		
77	216.6	99.8	299.3
158	97.2	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 51.305 ug/l

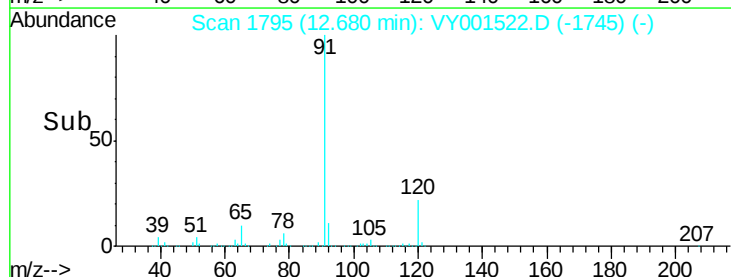
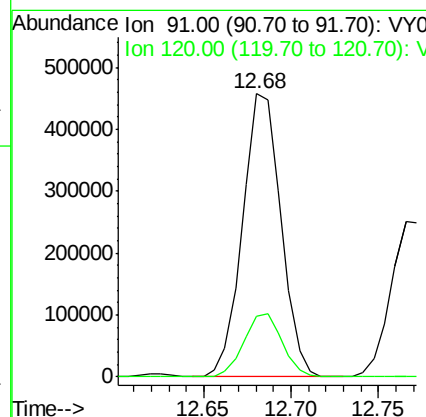
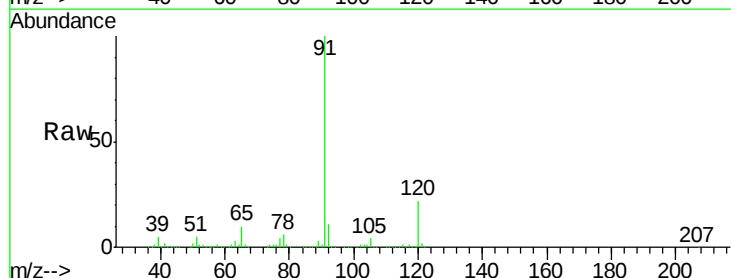
RT: 12.68 min Scan# 1795

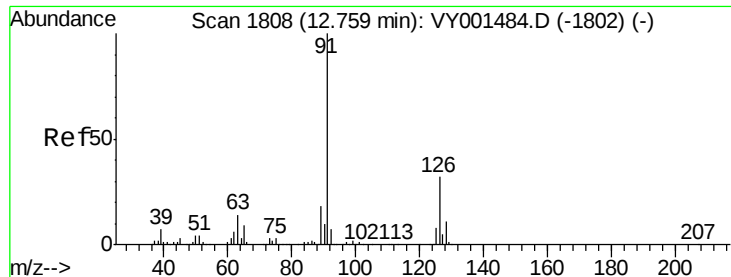
Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Tgt Ion:	91	Resp:	699315
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.4	34.2





#79

2-Chlorotoluene

Concen: 51.874 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 403036

Ion Ratio Lower Upper

91 100

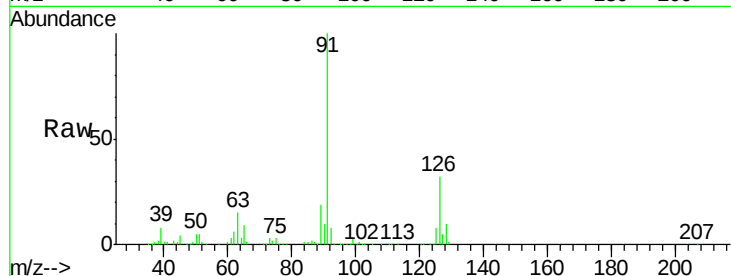
126 32.5 16.4 49.2

Manual Integrations

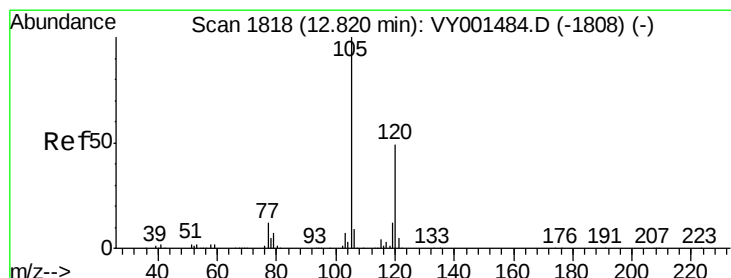
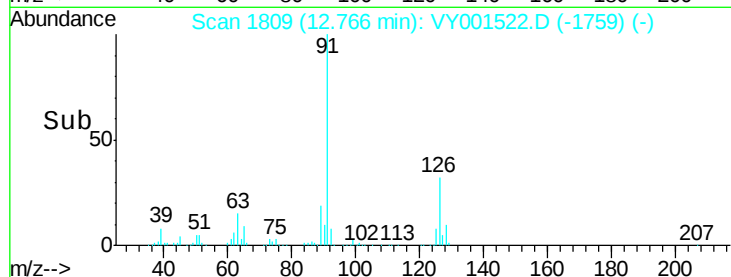
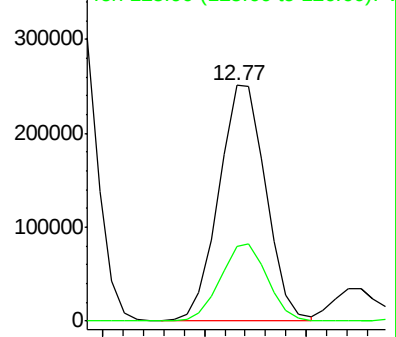
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Abundance Ion 91.00 (90.70 to 91.70): VY001522.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.144 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001522.D

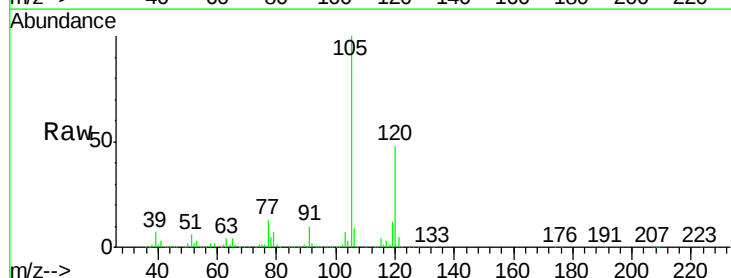
Acq: 05 Feb 2020 20:53

Tgt Ion: 105 Resp: 490399

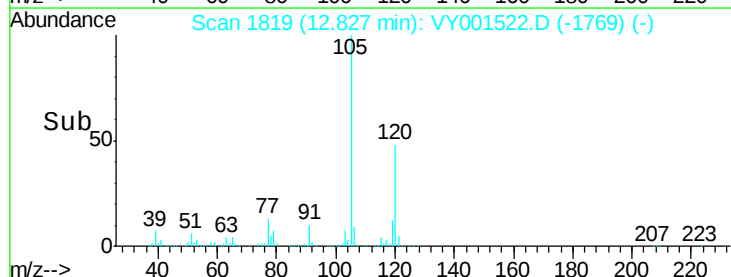
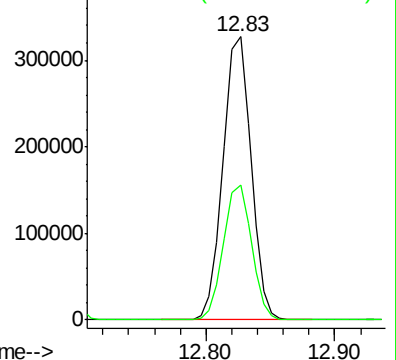
Ion Ratio Lower Upper

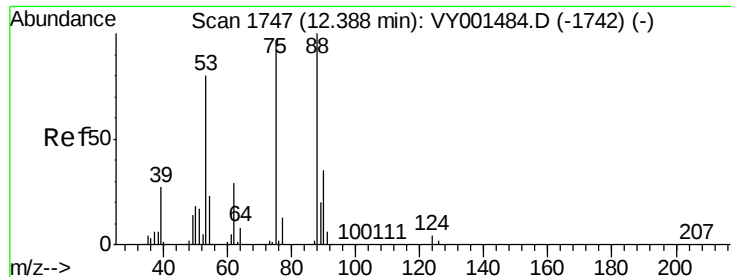
105 100

120 48.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001522.D (-1769) (-)





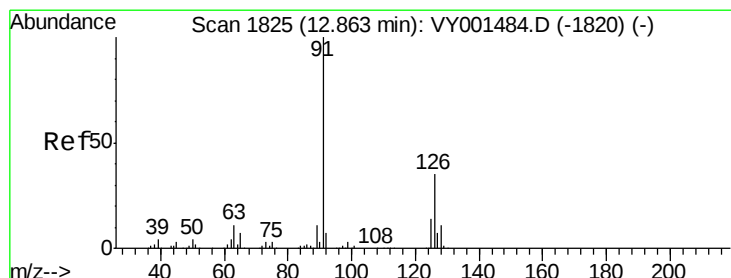
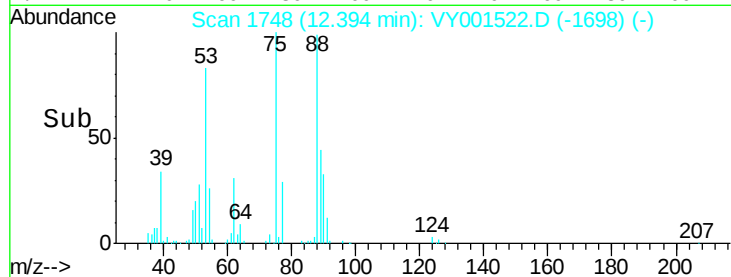
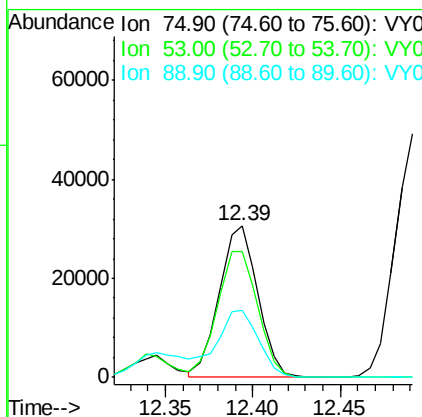
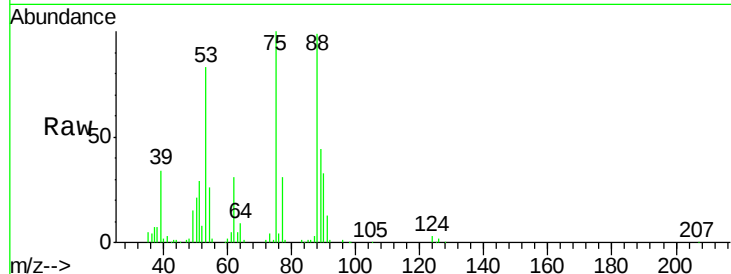
#81
trans-1,4-Dichloro-2-butene
Concen: 56.548 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.1	67.7	101.5
89	48.2	34.6	52.0

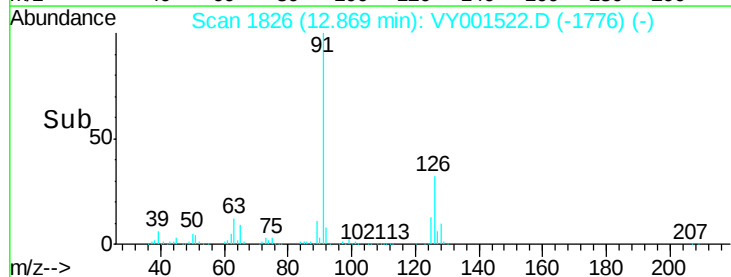
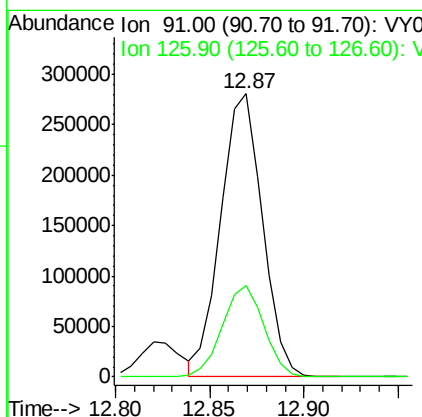
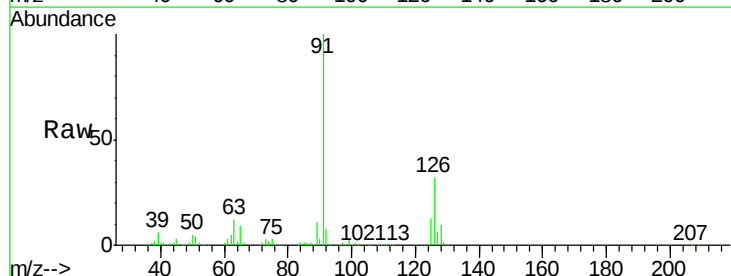
Manual Integrations
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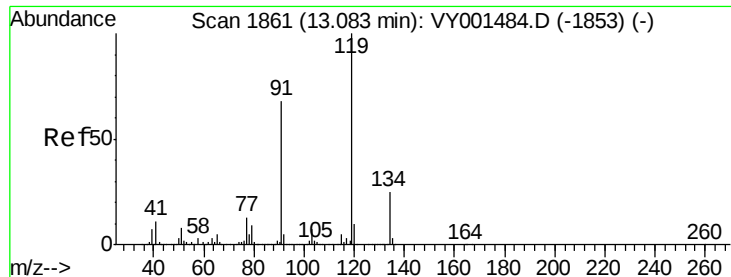
MMDadoda
2/6/2020 12:47:06 PM



#82
4-Chlorotoluene
Concen: 52.926 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.5	49.5





#83

tert-Butylbenzene

Concen: 50.391 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

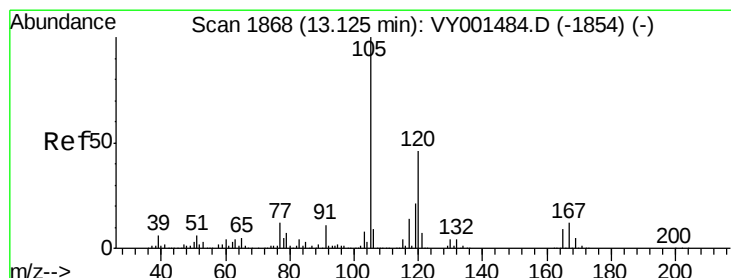
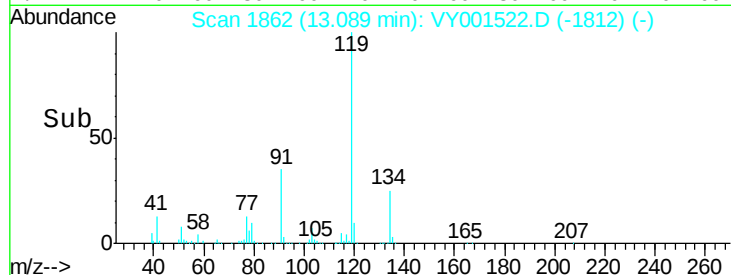
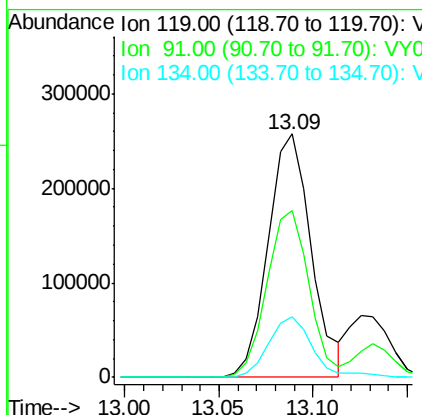
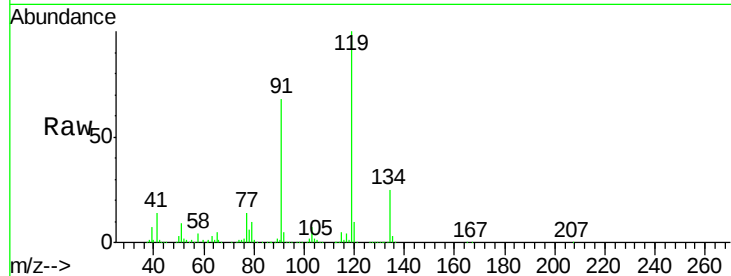
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	408423
Ion Ratio	Lower	Upper	
119	100		
91	67.0	33.1	99.3
134	25.7	13.0	39.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.426 ug/l

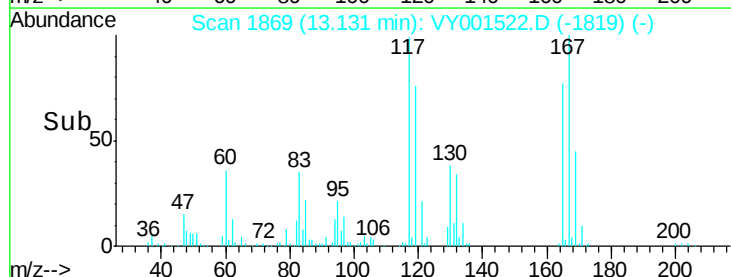
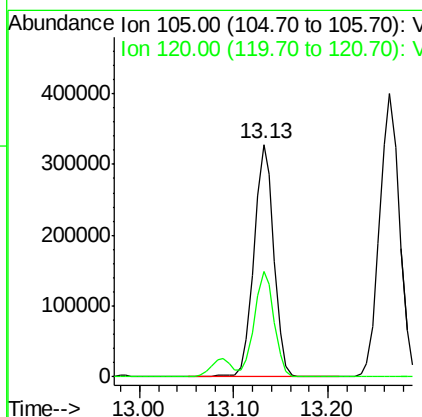
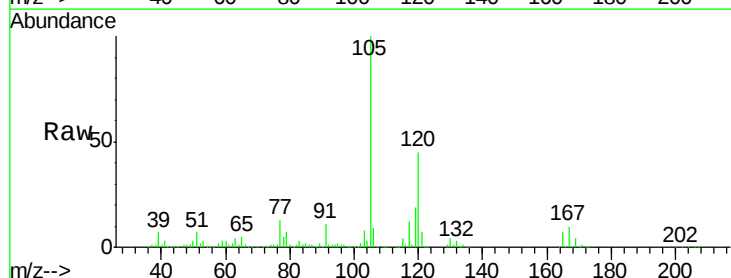
RT: 13.13 min Scan# 1869

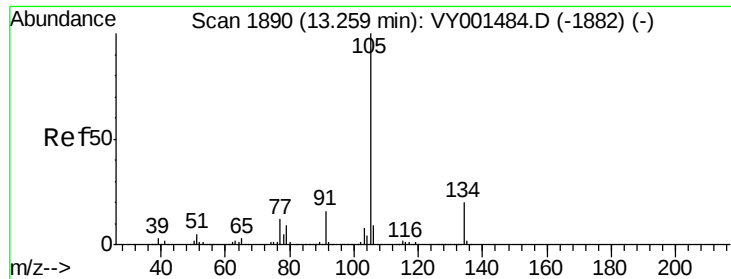
Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Tgt Ion:	105	Resp:	488050
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.4	67.0





#85

sec-Butylbenzene

Concen: 51.441 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 586190

Ion Ratio Lower Upper

105 100

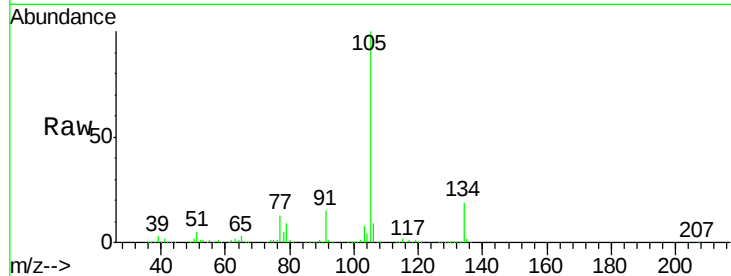
134 19.5 10.0 29.8

Manual Integrations

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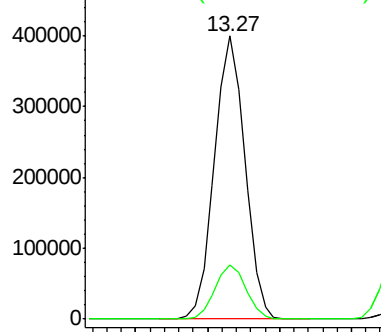
MMDadoda

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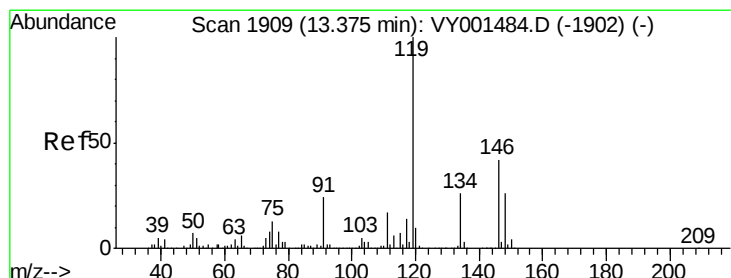
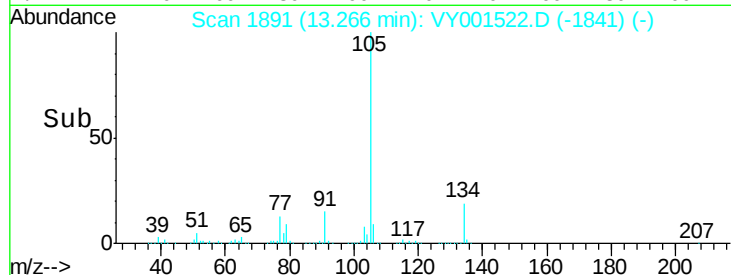


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 51.254 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

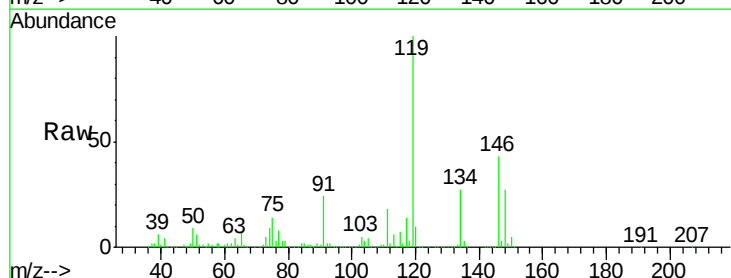
Tgt Ion:119 Resp: 514694

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

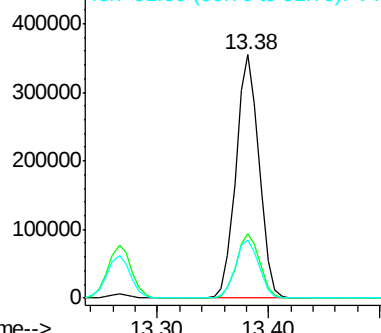
91 24.3 12.2 36.6



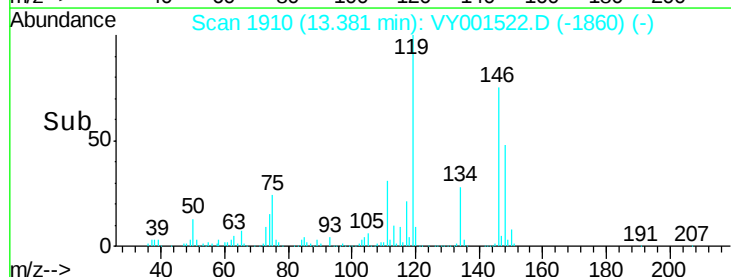
Abundance Ion 119.00 (118.70 to 119.70): V

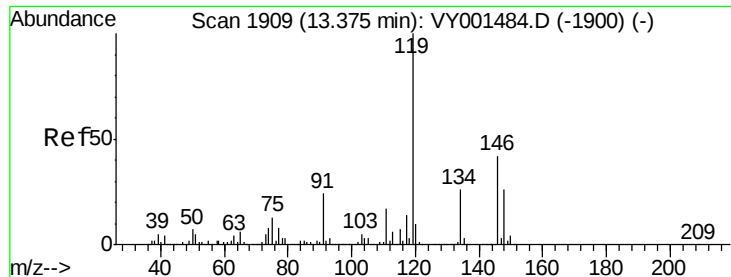
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0



Time-->





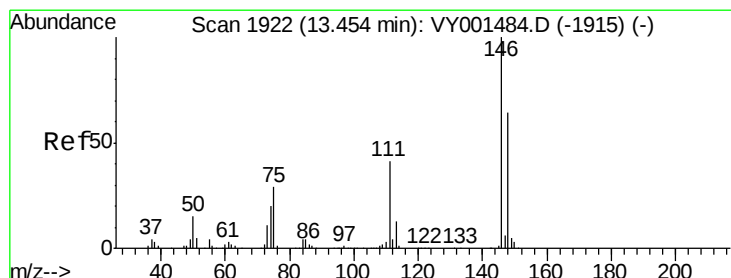
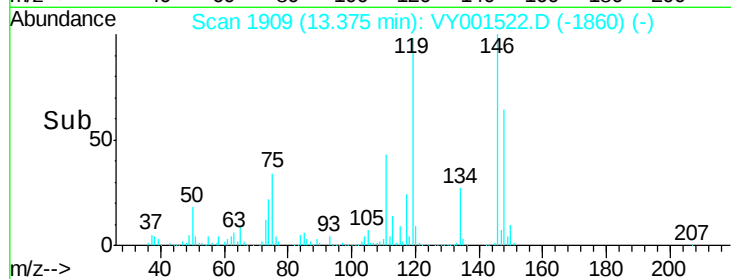
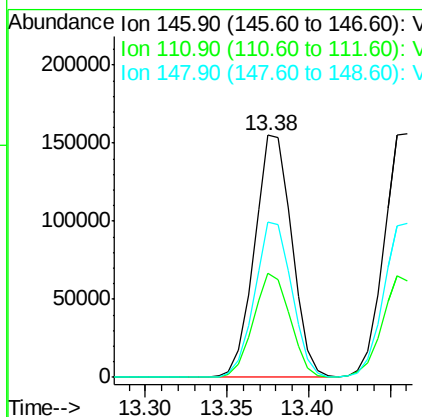
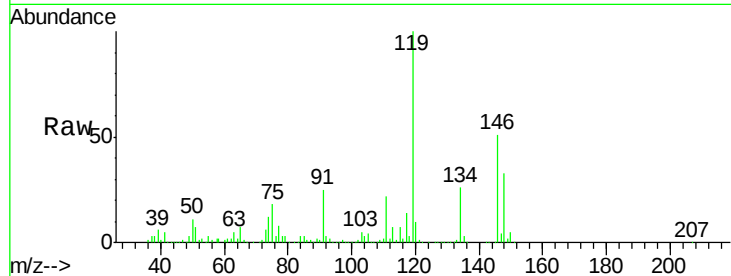
#87
 1,3-Dichlorobenzene
 Concen: 52.172 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	246360		
111	42.5	21.3	63.9	
148	63.7	31.9	95.7	

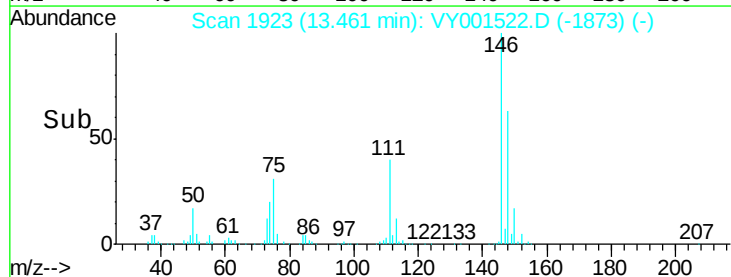
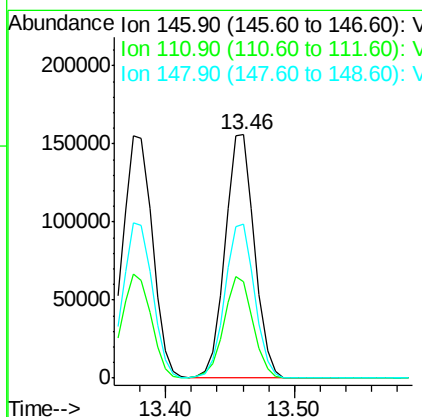
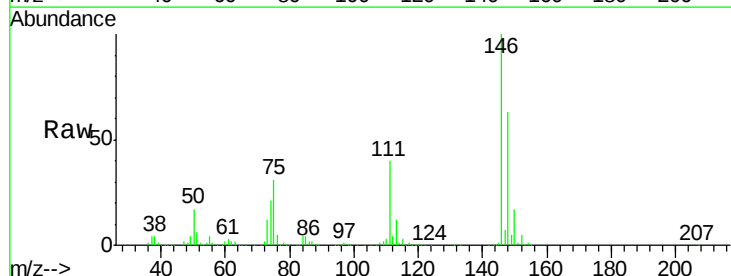
Manual Integrations
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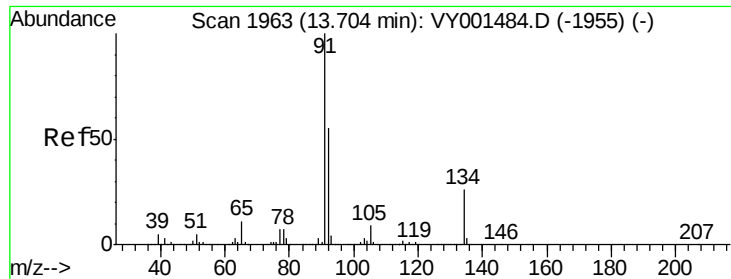
MMDadoda
 2/6/2020 12:47:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.459 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	248170		
111	41.6	20.7	62.1	
148	64.1	32.1	96.5	





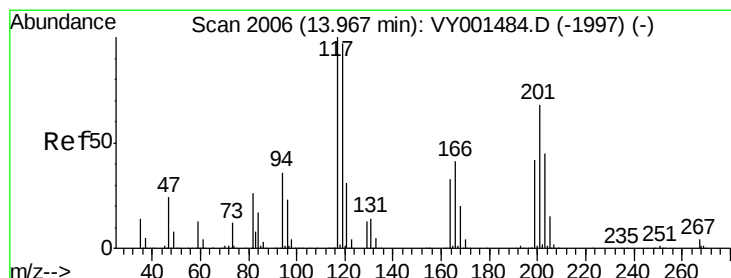
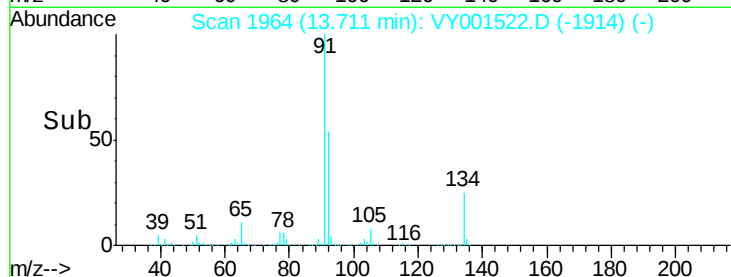
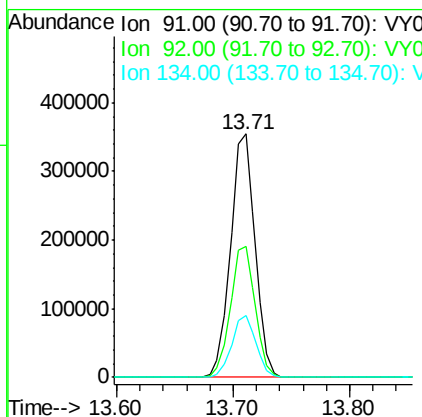
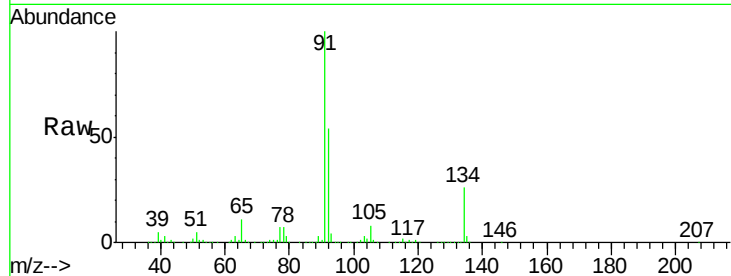
#89
n-Butylbenzene
Concen: 52.300 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.3	81.9
134	25.1	13.0	38.9

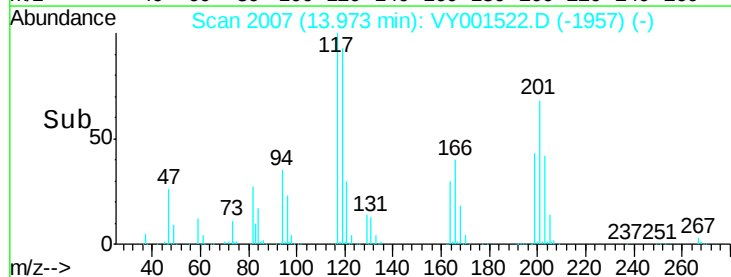
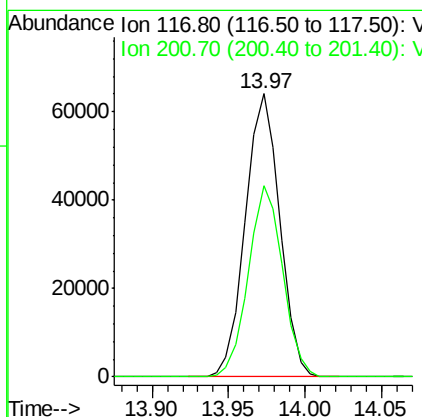
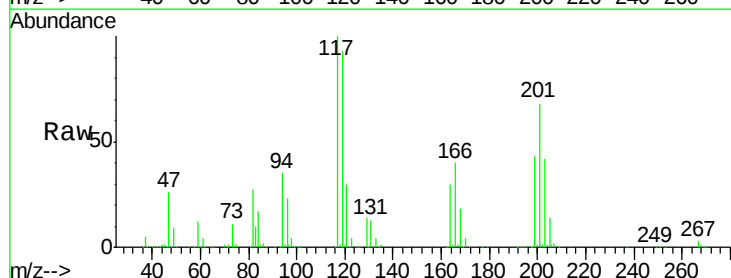
Manual Integrations
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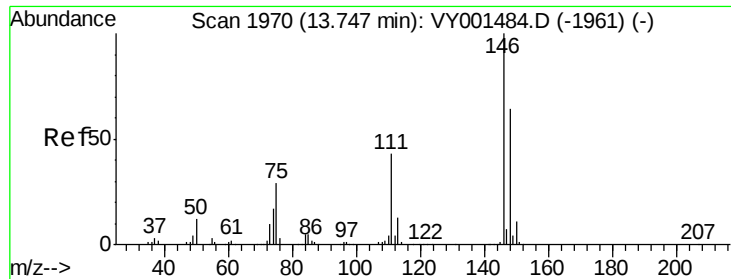
MMDadoda
2/6/2020 12:47:06 PM



#90
Hexachloroethane
Concen: 52.150 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.3	34.1	102.3





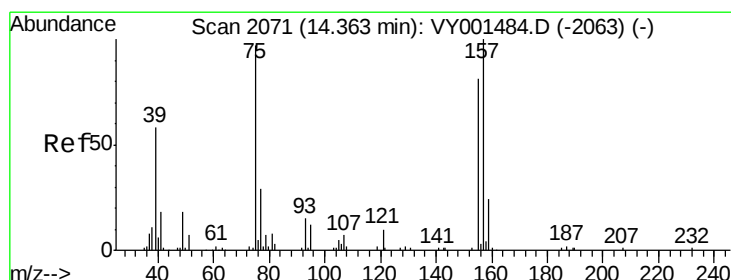
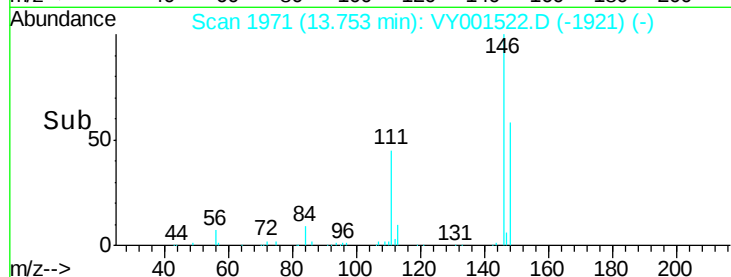
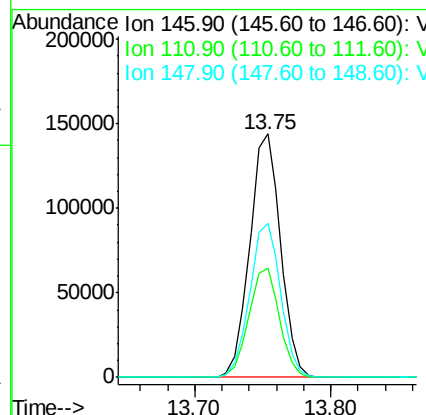
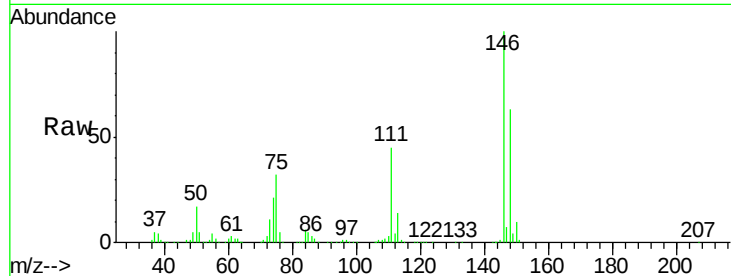
#91
1,2-Dichlorobenzene
Concen: 53.402 ug/l
RT: 13.75 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.8
148	63.7	31.8	95.3

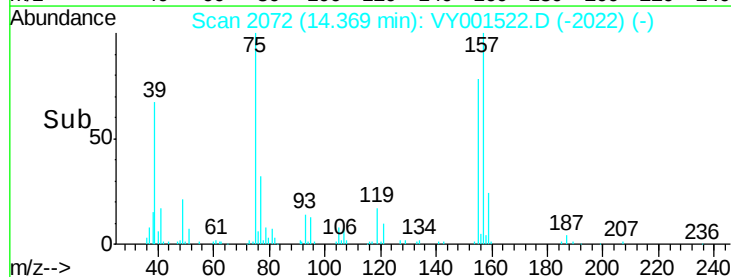
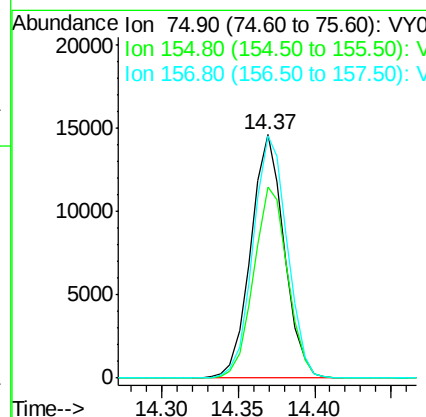
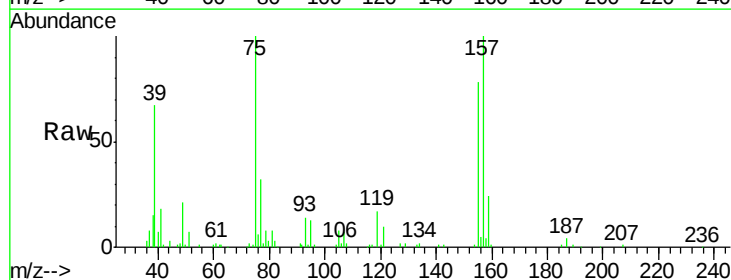
Manual Integrations
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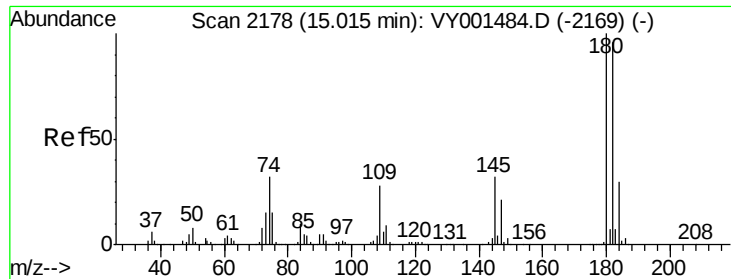
MMDadoda
2/6/2020 12:47:06 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 55.243 ug/l
RT: 14.37 min Scan# 2072
Delta R.T. 0.01 min
Lab File: VY001522.D
Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	40.7	122.1
157	102.3	52.3	157.1





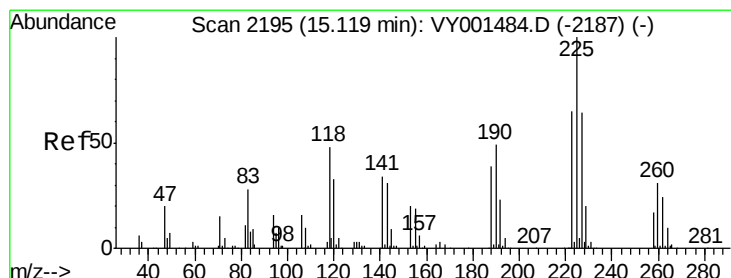
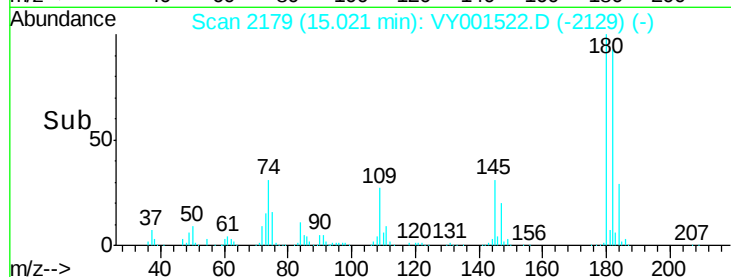
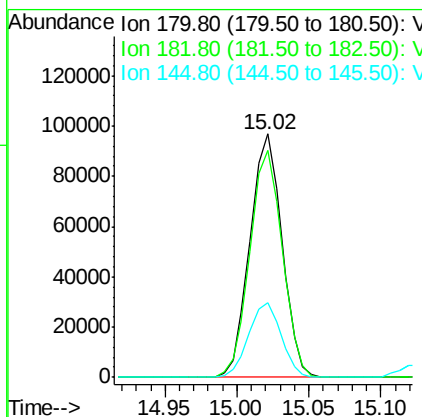
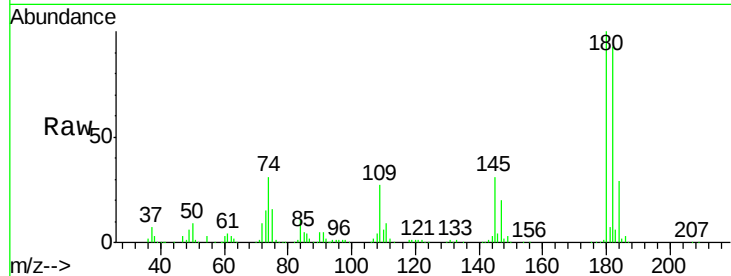
#93
 1,2,4-Trichlorobenzene
 Concen: 51.695 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149075		
182	94.2	46.9	140.7	
145	31.2	16.8	50.3	

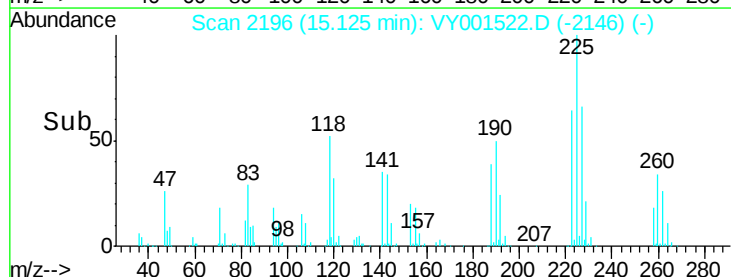
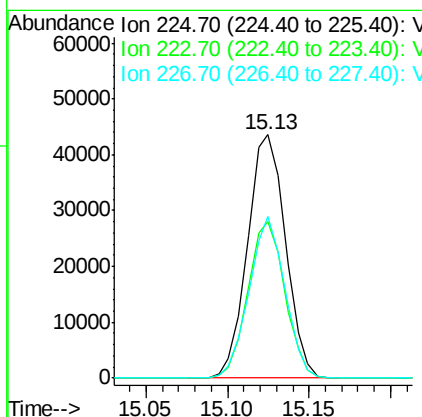
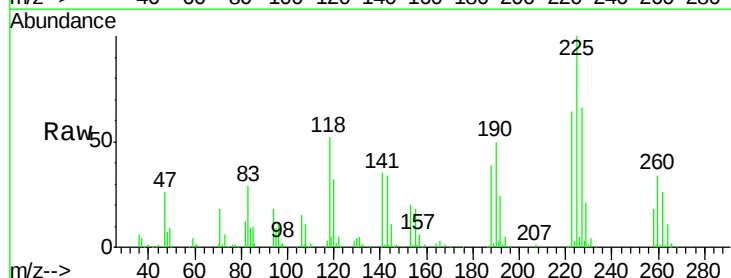
Manual Integrations
 APPROVED

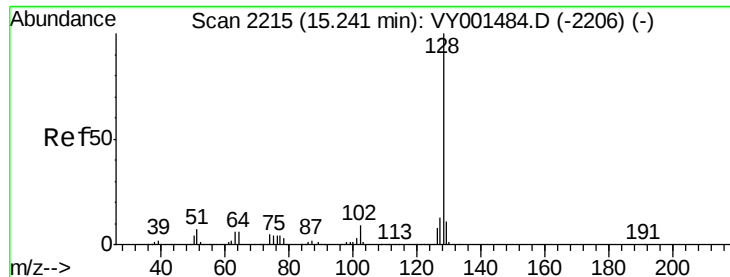
MMDadoda
 2/6/2020 12:47:06 PM



#94
 Hexachlorobutadiene
 Concen: 48.431 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001522.D
 Acq: 05 Feb 2020 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70883		
223	62.5	31.9	95.7	
227	62.5	32.6	97.7	





#95

Naphthalene

Concen: 52.331 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Instrument :

MSVOA_Y

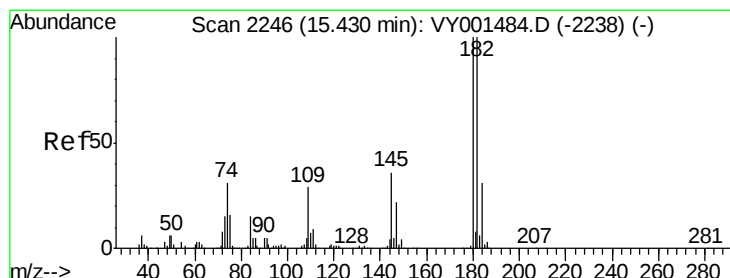
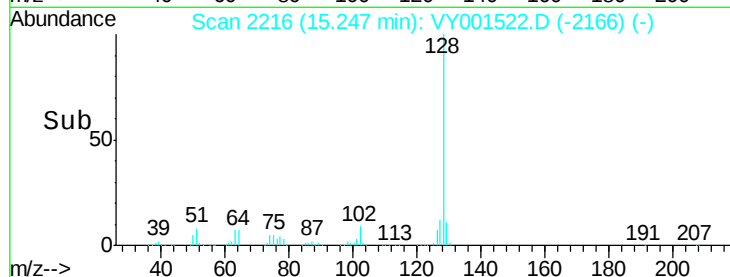
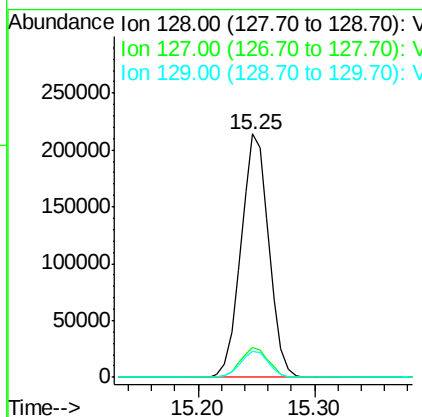
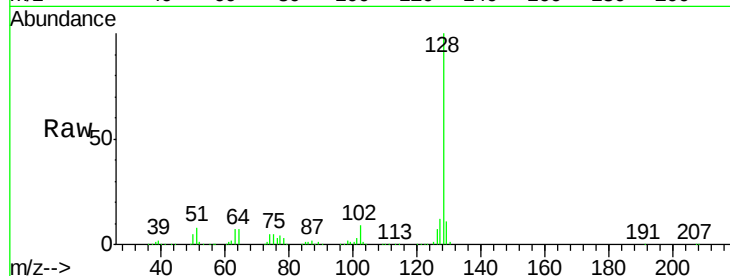
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	354665
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	10.9	8.9	13.3

Manual Integrations
APPROVED

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2/6/2020 12:47:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.980 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY001522.D

Acq: 05 Feb 2020 20:53

Tgt Ion:	180	Resp:	132318
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.0	144.2
145	33.6	17.8	53.5

