

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002261.D
 Acq On : 08 Apr 2020 19:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 3.86G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/9/2020 11:32:19 AM

Quant Time: Apr 09 03:04:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	164407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	313154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	286059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	131658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	96211	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	7.74	113	90688	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	10.19	98	375515	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.49	95	130189	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	78367	47.164	ug/l	100
3) Chloromethane	2.12	50	101621	48.594	ug/l	100
4) Vinyl Chloride	2.26	62	103653	46.568	ug/l	98
5) Bromomethane	2.66	94	67629	49.201	ug/l	100
6) Chloroethane	2.80	64	63276	49.292	ug/l	99
7) Trichlorofluoromethane	3.14	101	132550	46.112	ug/l	96
8) Diethyl Ether	3.55	74	61735	50.518	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	89790	45.984	ug/l	99
10) Methyl Iodide	4.11	142	110222	48.562	ug/l	99
11) Tert butyl alcohol	4.98	59	51215	264.965	ug/l	98
12) 1,1-Dichloroethene	3.89	96	91905	46.296	ug/l	99
13) Acrolein	3.75	56	56481	239.591	ug/l	100
14) Allyl chloride	4.50	41	166451	51.923	ug/l	98
15) Acrylonitrile	5.19	53	162470	259.984	ug/l	100
16) Acetone	3.97	43	112639	233.910	ug/l	99
17) Carbon Disulfide	4.21	76	309484	46.942	ug/l	99
18) Methyl Acetate	4.50	43	80762	54.070	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	270451	51.821	ug/l	100
20) Methylene Chloride	4.74	84	110651	46.750	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	106391	47.746	ug/l	99
22) Diisopropyl ether	6.14	45	343720	53.279	ug/l	97
23) Vinyl Acetate	6.08	43	1110590	270.139	ug/l	98
24) 1,1-Dichloroethane	6.04	63	186826	50.914	ug/l	97
25) 2-Butanone	7.00	43	196631	258.021	ug/l	98
26) 2,2-Dichloropropane	7.00	77	140522	45.780	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	118467	48.772	ug/l	98
28) Bromochloromethane	7.35	49	83105	52.464	ug/l	96
29) Tetrahydrofuran	7.36	42	135084	268.157	ug/l	96
30) Chloroform	7.52	83	175712	50.798	ug/l	98
31) Cyclohexane	7.80	56	180966	46.983	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	141893	49.284	ug/l	99
36) 1,1-Dichloropropene	7.93	75	142180	46.095	ug/l	99
37) Ethyl Acetate	7.09	43	88632	50.298	ug/l	99
38) Carbon Tetrachloride	7.91	117	119809	45.410	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	190792	45.471	ug/l	97
40) Benzene	8.18	78	442749	47.310	ug/l	99
41) Methacrylonitrile	7.34	41	49763m	47.872	ug/l	
42) 1,2-Dichloroethane	8.25	62	114713	49.483	ug/l	99
43) Isopropyl Acetate	8.28	43	166203	51.717	ug/l	98
44) Trichloroethene	8.95	130	124716	45.328	ug/l	97
45) 1,2-Dichloropropane	9.22	63	113484	48.874	ug/l	98
46) Dibromomethane	9.32	93	58862	48.483	ug/l	99
47) Bromodichloromethane	9.50	83	138603	49.755	ug/l	97
48) Methyl methacrylate	9.30	41	72575	50.364	ug/l	99
49) 1,4-Dioxane	9.30	88	16708	972.881	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	427488	255.275	ug/l	99
52) Toluene	10.25	92	266325	47.222	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	150962	49.737	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	178258	48.851	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	86746	48.803	ug/l	99
56) Ethyl methacrylate	10.52	69	130388	51.397	ug/l	99
57) 1,3-Dichloropropane	10.80	76	154319	49.394	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	338368	257.566	ug/l	99
59) 2-Hexanone	10.84	43	298081	256.473	ug/l	98
60) Dibromochloromethane	10.99	129	93835	49.509	ug/l	100
61) 1,2-Dibromoethane	11.10	107	83623	49.418	ug/l	100
64) Tetrachloroethene	10.72	164	132181	45.704	ug/l	97
65) Chlorobenzene	11.52	112	276226	46.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	95486	48.637	ug/l	99
67) Ethyl Benzene	11.60	91	507839	46.651	ug/l	100
68) m/p-Xylenes	11.70	106	378456	92.822	ug/l	99
69) o-Xylene	12.03	106	180072	47.042	ug/l	99
70) Styrene	12.05	104	316254	47.621	ug/l	99
71) Bromoform	12.21	173	53222	49.850	ug/l #	100
73) Isopropylbenzene	12.33	105	472591	45.691	ug/l	100
74) N-amyl acetate	12.15	43	149934	51.067	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	60361	48.235	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	70426m	46.065	ug/l	
77) Bromobenzene	12.61	156	108193	47.545	ug/l	98
78) n-propylbenzene	12.67	91	580880	45.156	ug/l	100
79) 2-Chlorotoluene	12.76	91	324619	46.435	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	393621	46.015	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	37783	48.067	ug/l	94
82) 4-Chlorotoluene	12.86	91	334507	45.653	ug/l	100
83) tert-Butylbenzene	13.08	119	327870	45.759	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	396145	46.377	ug/l	98
85) sec-Butylbenzene	13.26	105	482810	45.233	ug/l	100
86) p-Isopropyltoluene	13.38	119	418755	45.583	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	200687	45.506	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	201383	44.985	ug/l	99
89) n-Butylbenzene	13.70	91	424919	45.125	ug/l	99
90) Hexachloroethane	13.97	117	80728	46.115	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	183856	45.879	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	15480	51.147	ug/l	94

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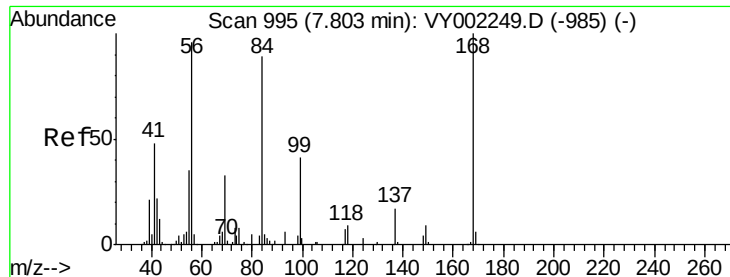
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	116995	44.666	ug/l	98
94) Hexachlorobutadiene	15.12	225	58344	44.225	ug/l	99
95) Naphthalene	15.24	128	274472	47.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	100265	44.084	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 164407

Ion Ratio Lower Upper

168 100

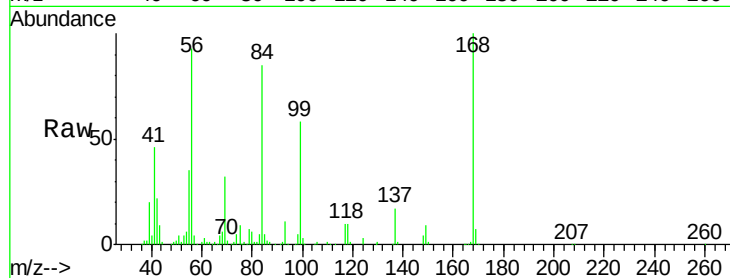
99 58.4 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.80

60000

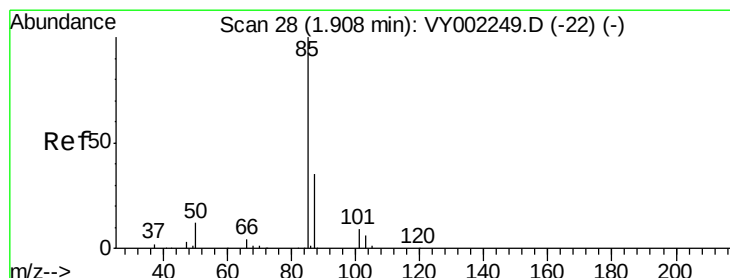
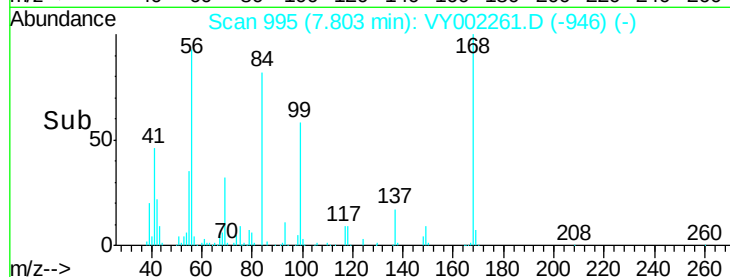
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 47.164 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002261.D

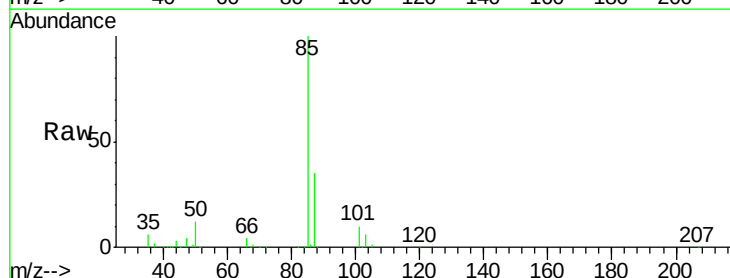
Acq: 08 Apr 2020 19:31

Tgt Ion: 85 Resp: 78367

Ion Ratio Lower Upper

85 100

87 34.7 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY002249.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002249.D (-22) (-)

1.91

60000

50000

40000

30000

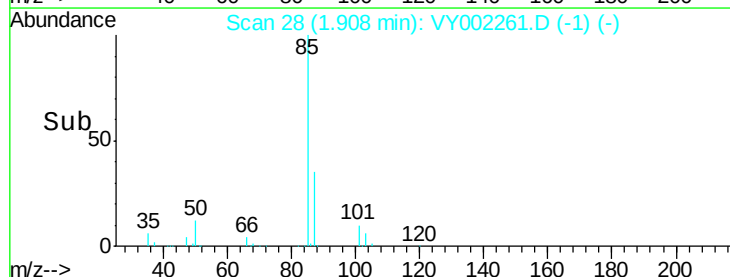
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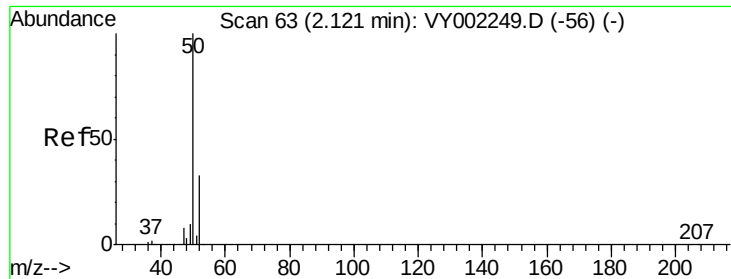
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 48.594 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 101621

Ion Ratio Lower Upper

50 100

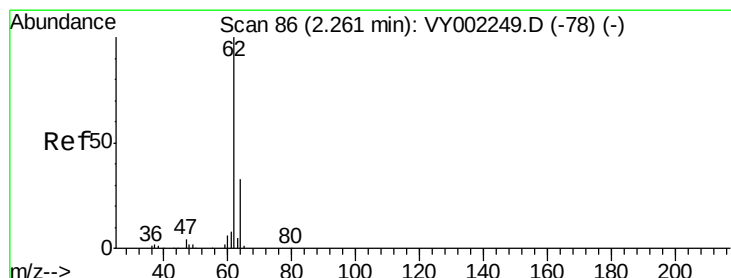
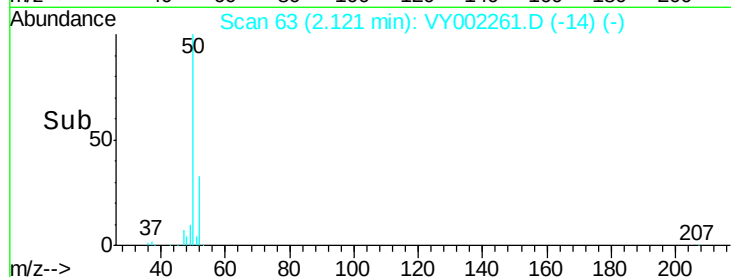
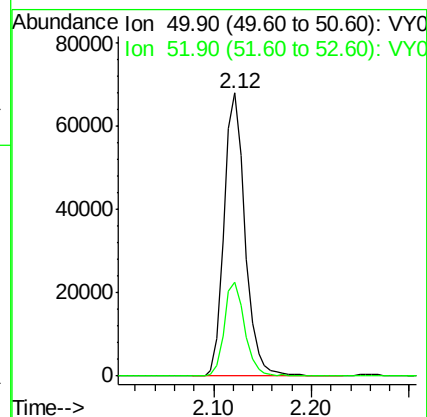
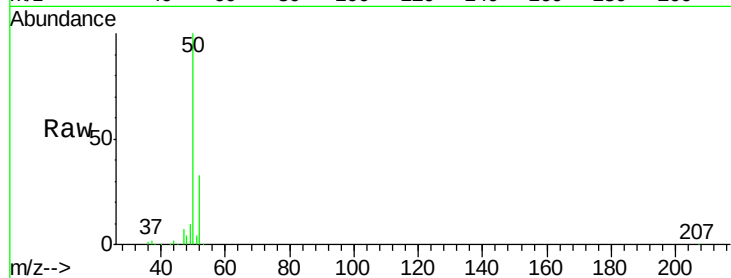
52 33.2 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.568 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002261.D

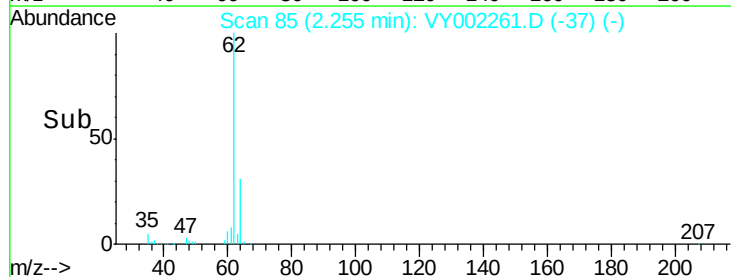
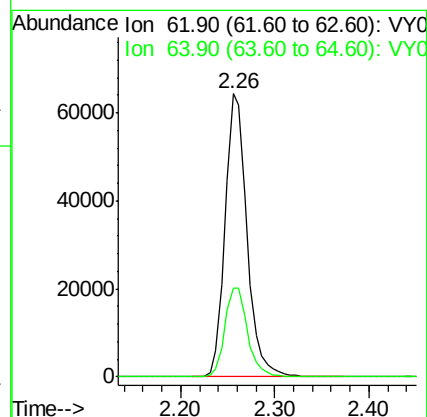
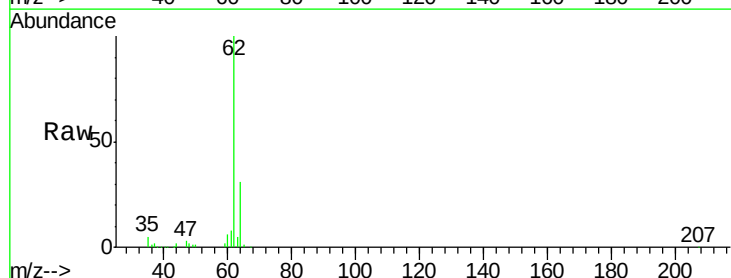
Acq: 08 Apr 2020 19:31

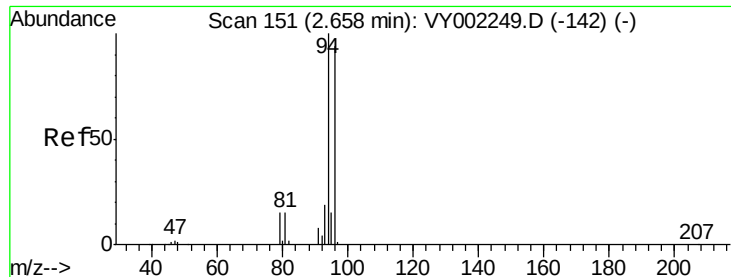
Tgt Ion: 62 Resp: 103653

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.2





#5

Bromomethane

Concen: 49.201 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 67629

Ion Ratio Lower Upper

94 100

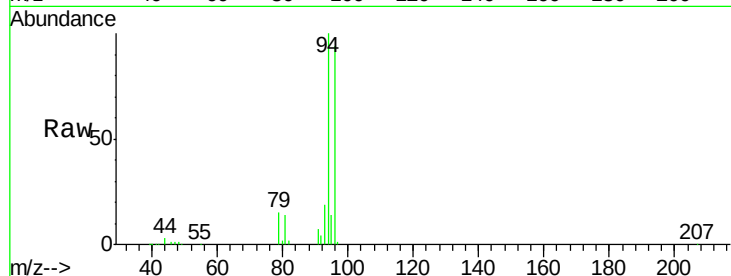
96 94.4 75.6 113.4

Manual Integrations

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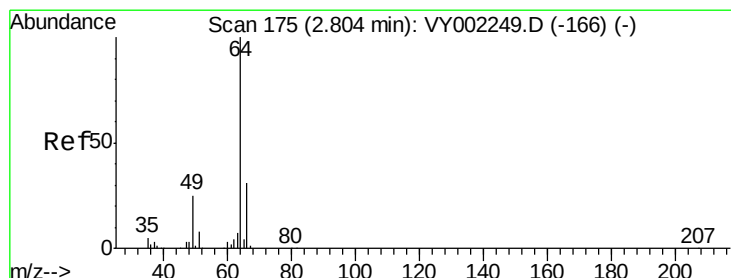
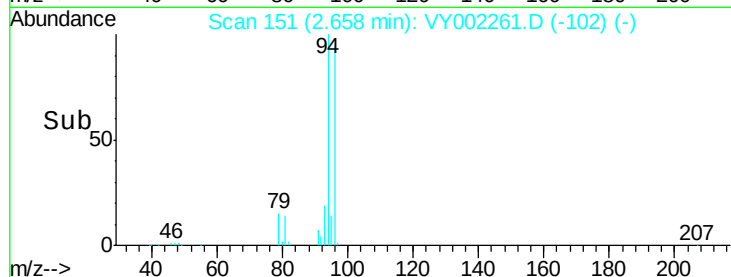
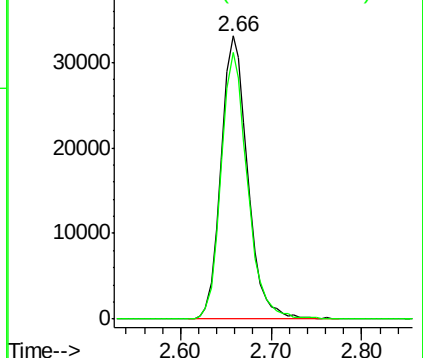
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 49.292 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY002261.D

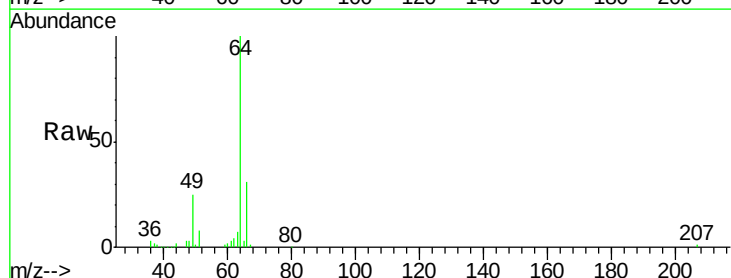
Acq: 08 Apr 2020 19:31

Tgt Ion: 64 Resp: 63276

Ion Ratio Lower Upper

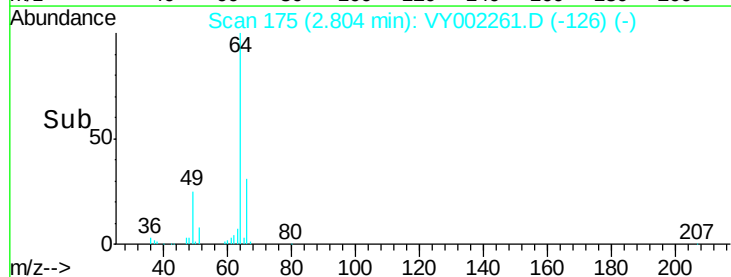
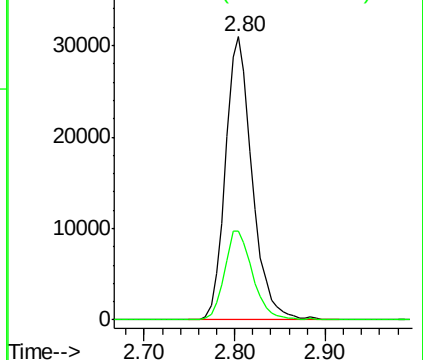
64 100

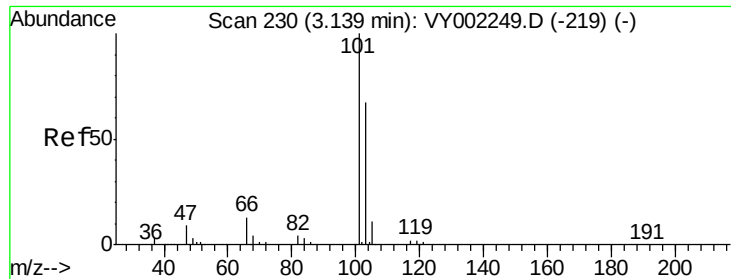
66 31.2 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

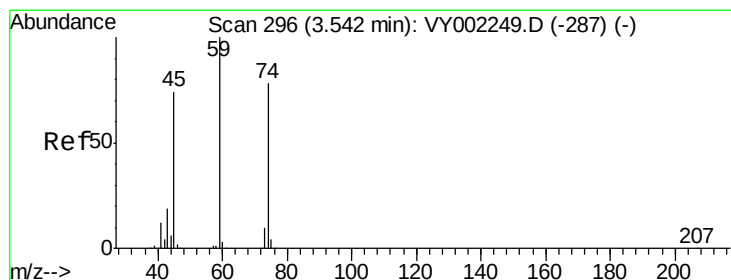
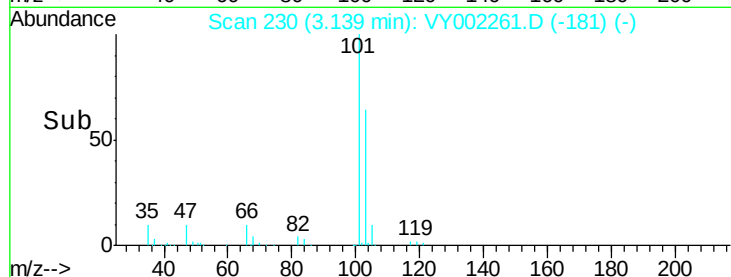
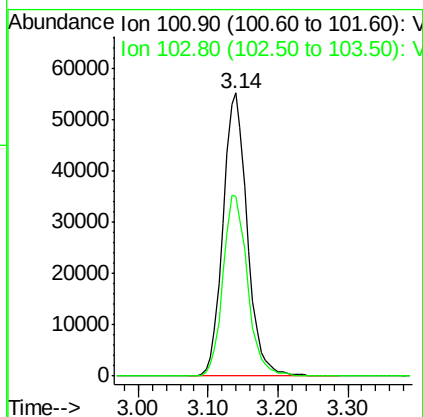
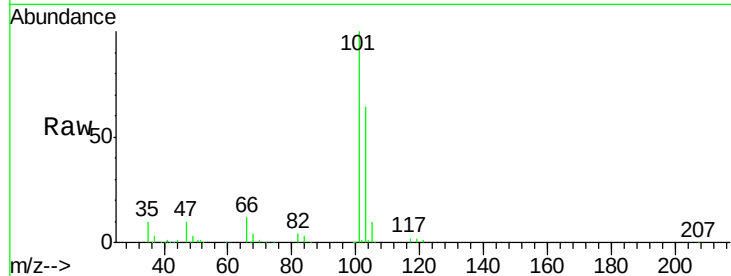
Trichlorofluoromethane
Concen: 46.112 ug/l
RT: 3.14 min Scan# 230
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	53.3	79.9

Manual Integrations
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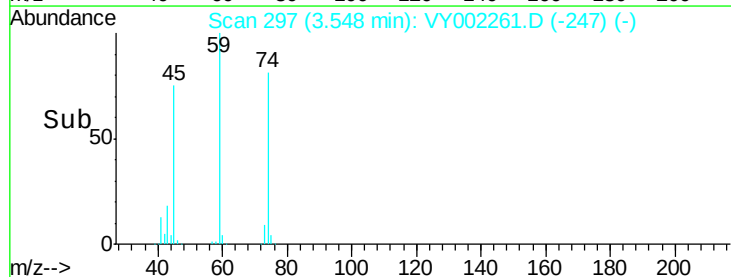
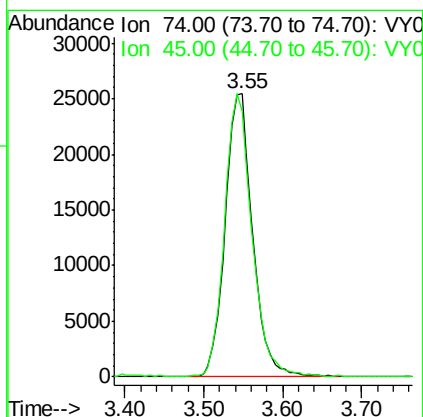
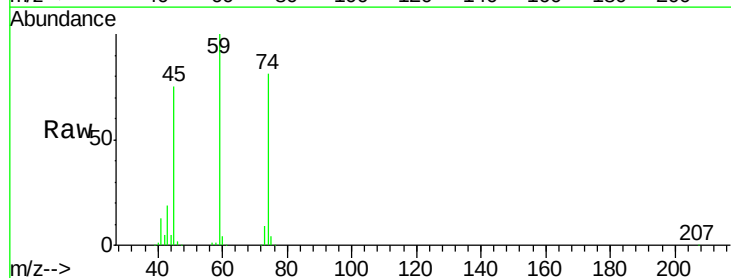
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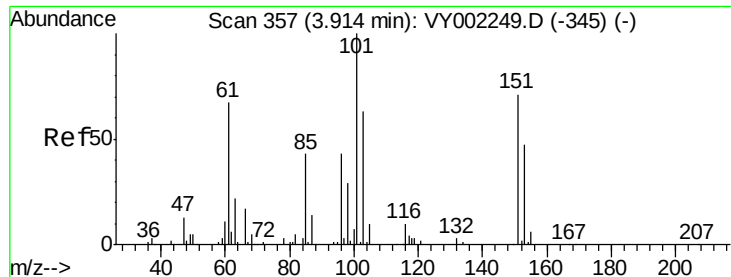


#8

Diethyl Ether
Concen: 50.518 ug/l
RT: 3.55 min Scan# 297
Delta R.T. 0.01 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	48.0	144.2





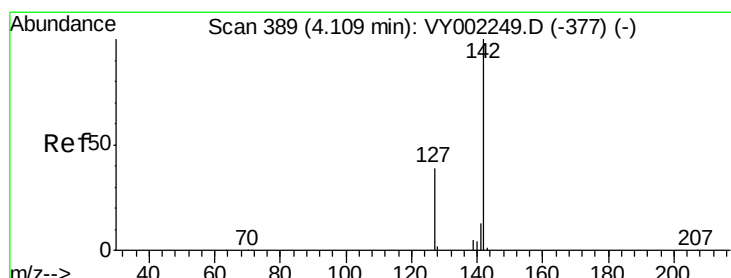
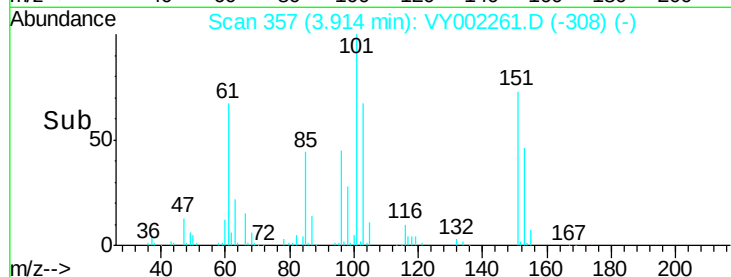
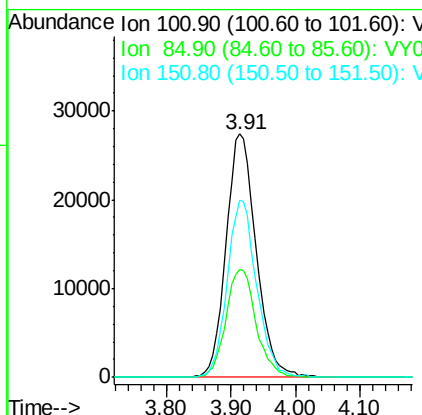
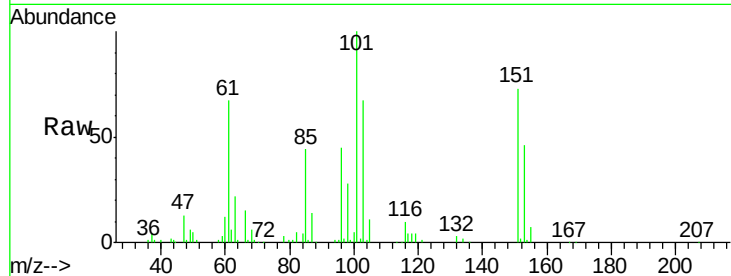
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.984 ug/l
 RT: 3.91 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	89790		
85	44.5	34.6	52.0	
151	71.3	57.6	86.4	

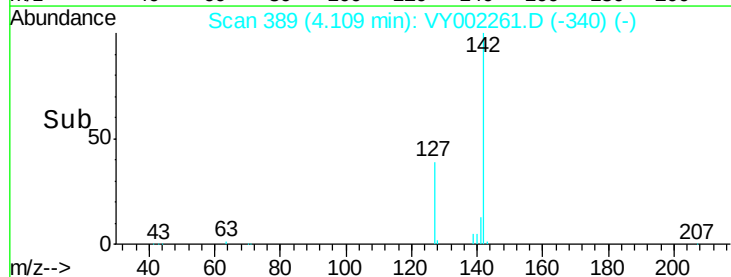
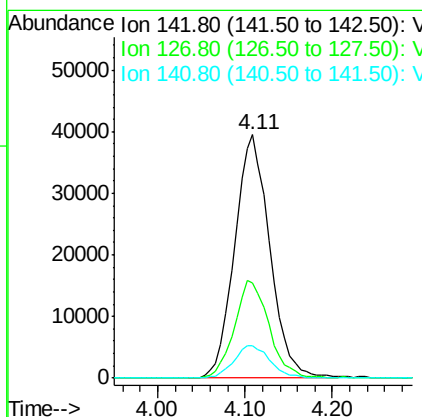
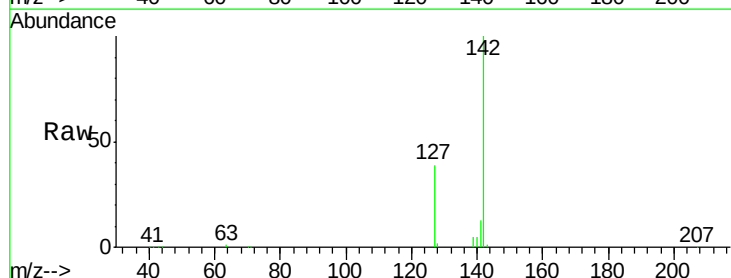
Manual Integrations
 APPROVED

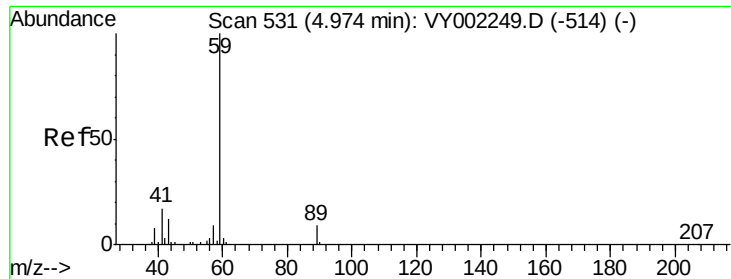
MMDadoda
 4/9/2020 11:32:19 AM



#10
 Methyl Iodide
 Concen: 48.562 ug/l
 RT: 4.11 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	110222		
127	39.7	32.4	48.6	
141	13.9	11.2	16.8	





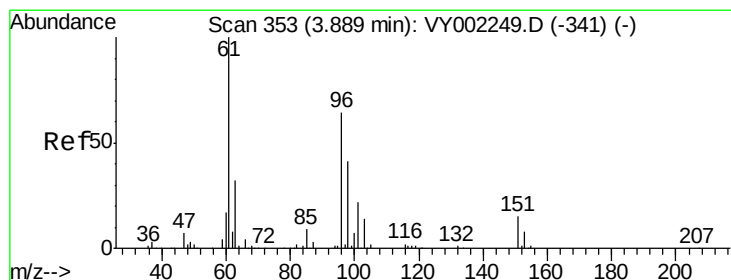
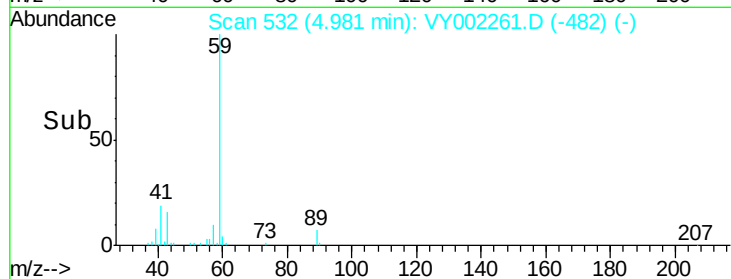
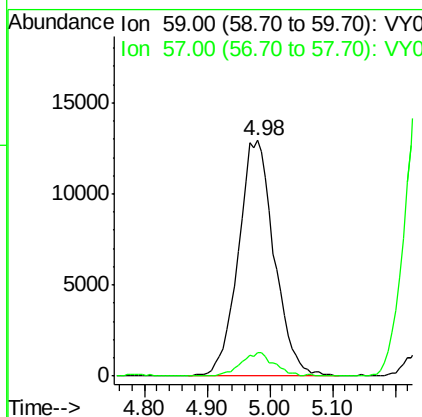
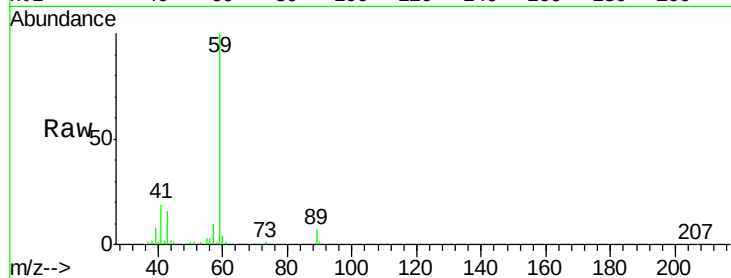
#11
Tert butyl alcohol
Concen: 264.965 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	51215		
57	9.1	6.6	9.8	

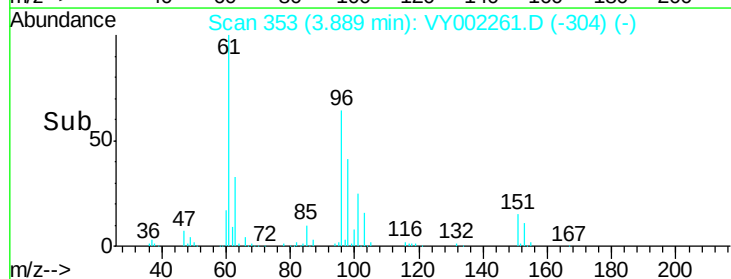
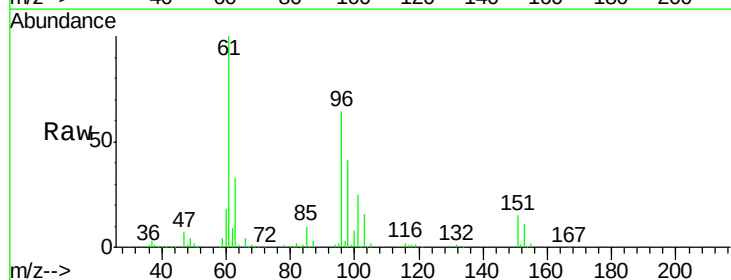
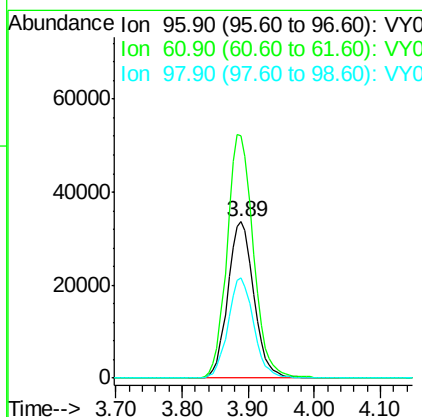
Manual Integrations
APPROVED

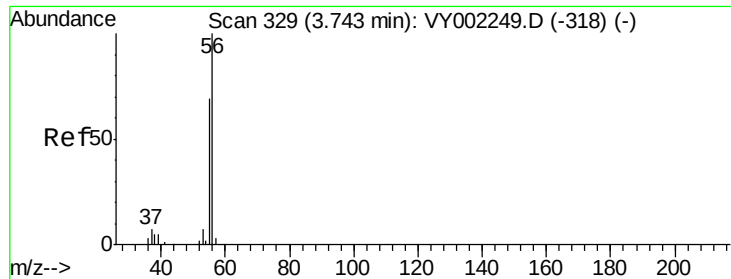
MMDadoda
4/9/2020 11:32:19 AM



#12
1,1-Dichloroethene
Concen: 46.296 ug/l
RT: 3.89 min Scan# 353
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	91905		
61	155.3	125.9	188.9	
98	63.9	51.1	76.7	





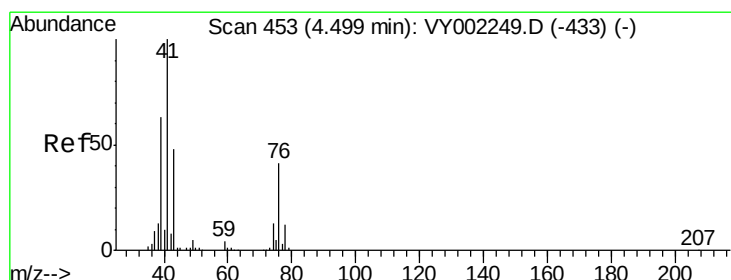
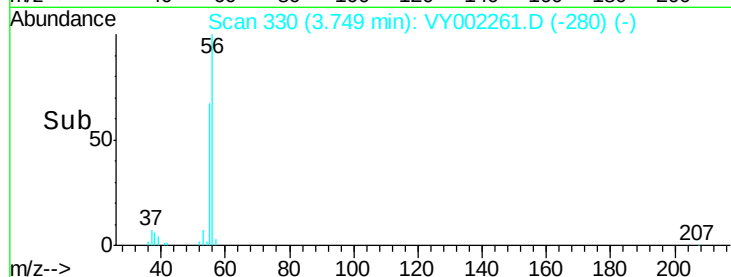
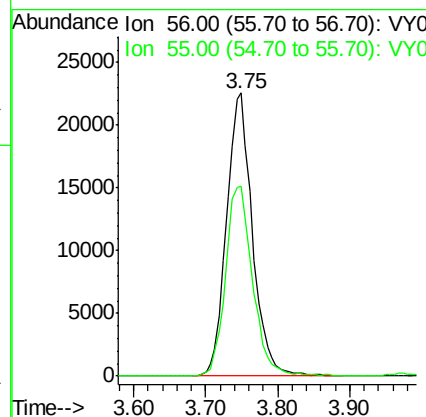
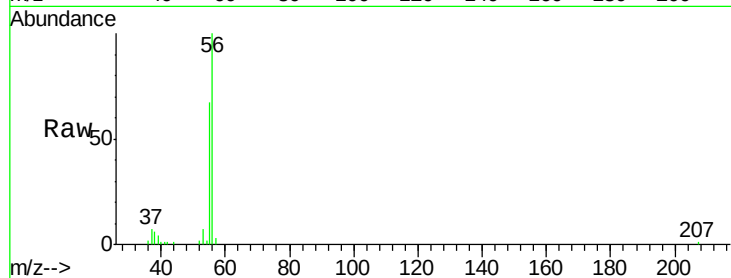
#13
Acrolein
Concen: 239.591 ug/l
RT: 3.75 min Scan# 330
Delta R.T. 0.01 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	56481
Ion Ratio	100	Lower	Upper
55	69.9	55.8	83.8

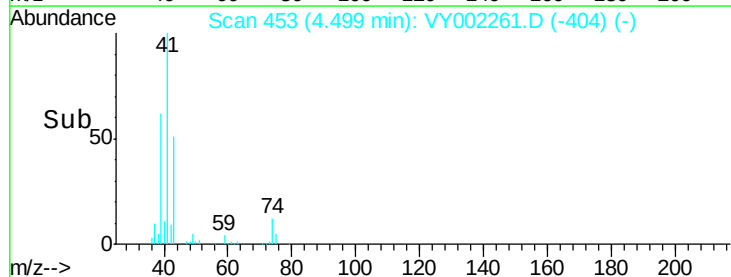
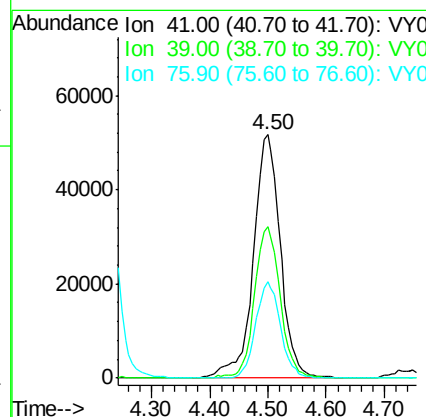
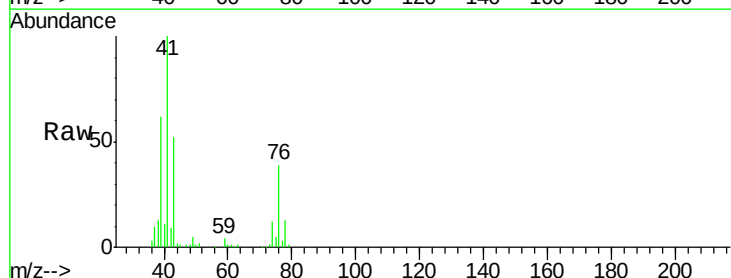
Manual Integrations
APPROVED

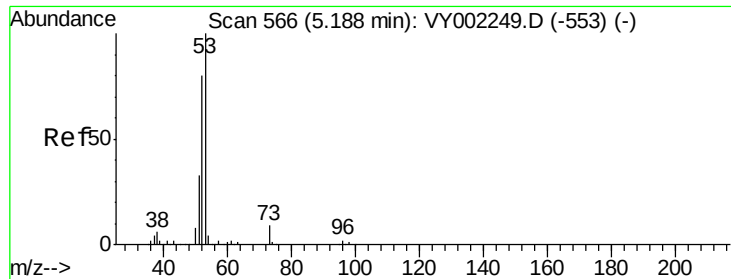
MMDadoda
4/9/2020 11:32:19 AM



#14
Allyl chloride
Concen: 51.923 ug/l
RT: 4.50 min Scan# 453
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	41	Resp	166451
Ion Ratio	100	Lower	Upper
39	59.5	48.0	72.0
76	36.3	31.0	46.6





#15

Acrylonitrile

Concen: 259.984 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

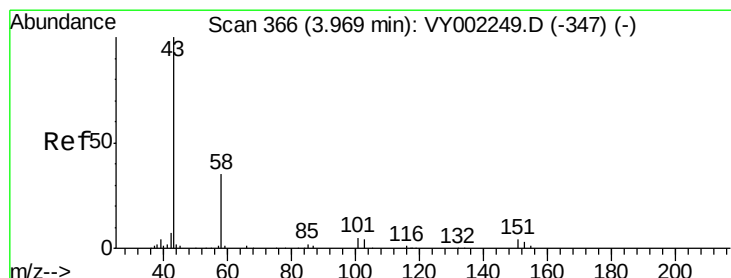
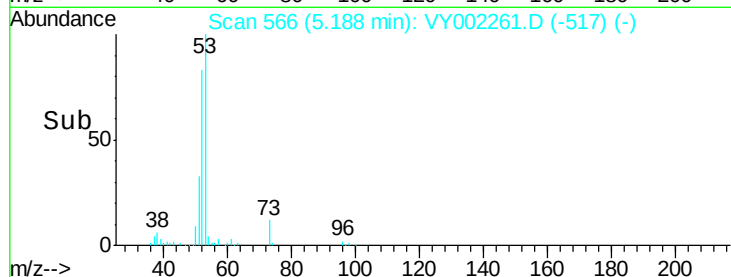
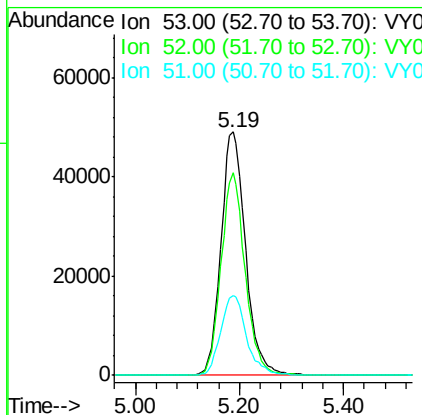
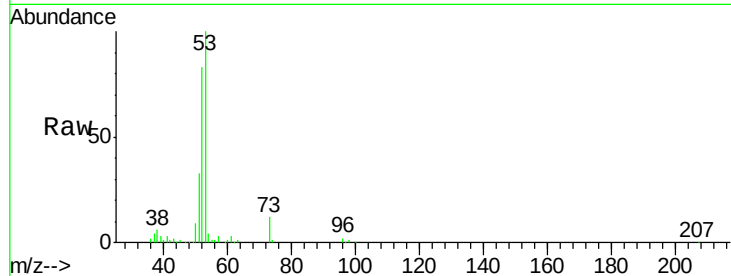
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	162470
Ion Ratio		Lower	Upper
53	100		
52	81.3	65.1	97.7
51	34.6	27.1	40.7

Manual Integrations
APPROVED

MMDadoda
4/9/2020 11:32:19 AM



#16

Acetone

Concen: 233.910 ug/l

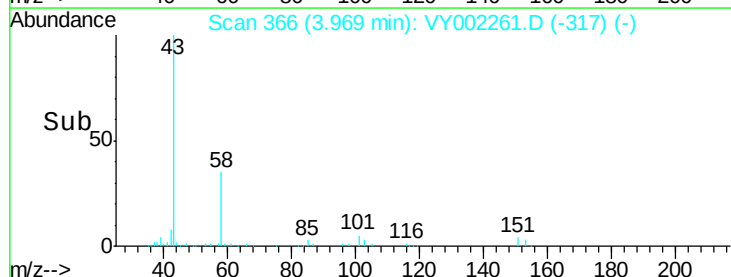
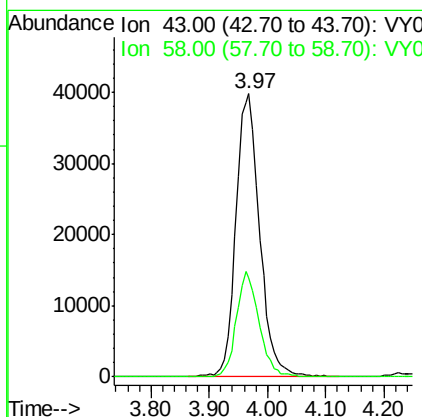
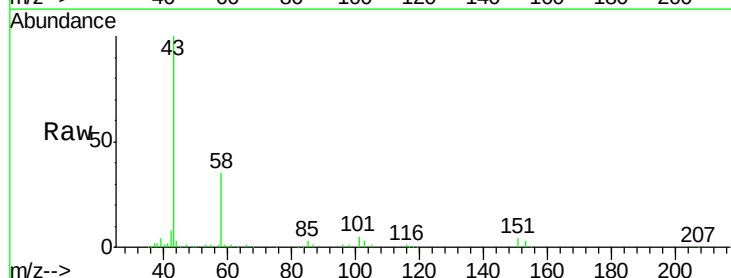
RT: 3.97 min Scan# 366

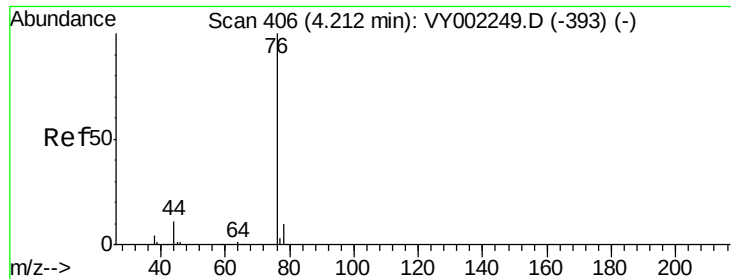
Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Tgt Ion:	43	Resp:	112639
Ion Ratio		Lower	Upper
43	100		
58	35.1	28.5	42.7





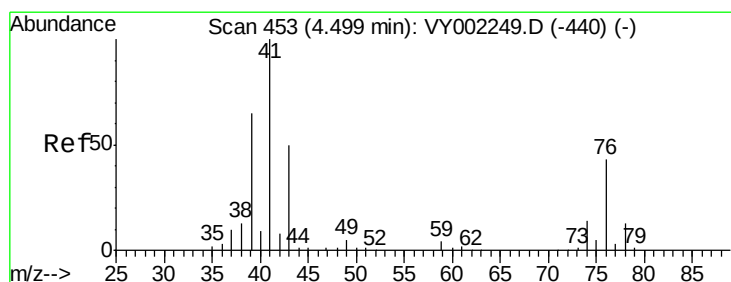
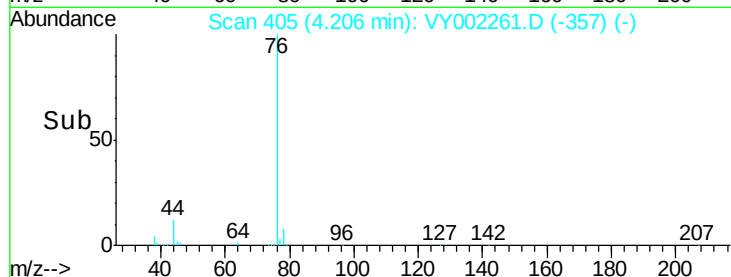
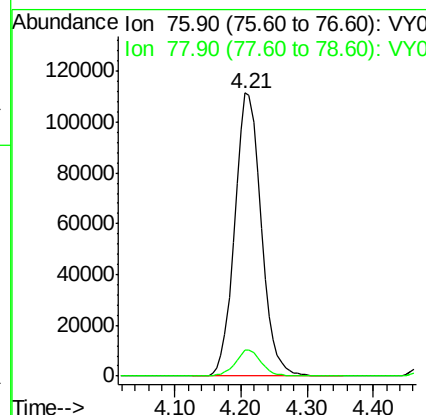
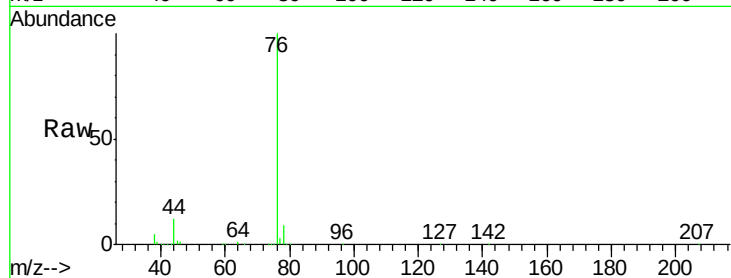
#17
Carbon Disulfide
Concen: 46.942 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

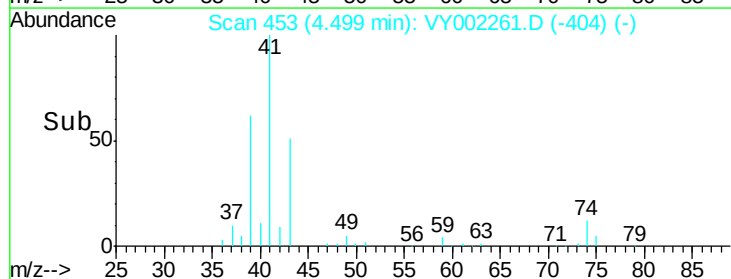
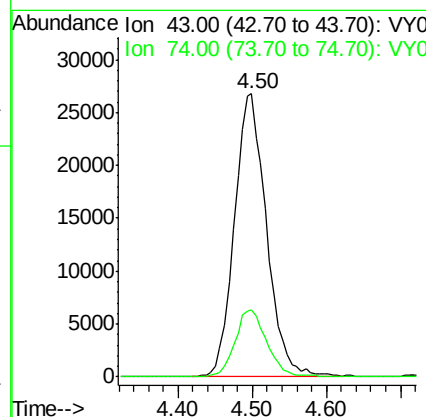
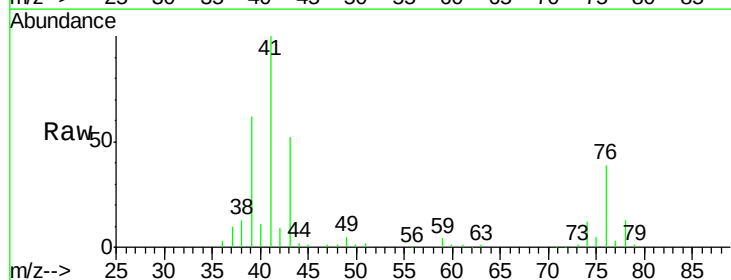
Manual Integrations
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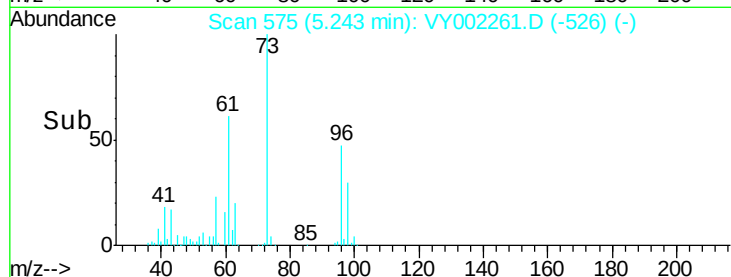
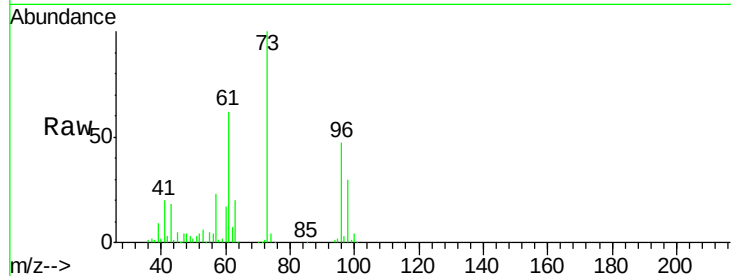
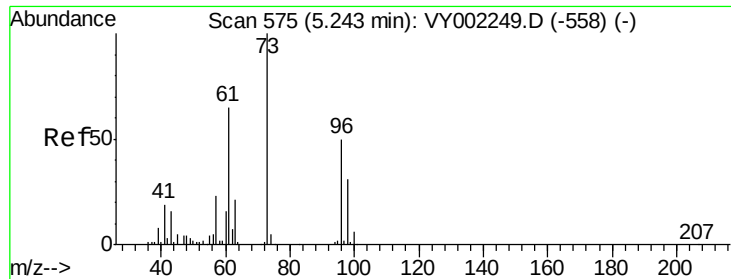
MMDadoda
4/9/2020 11:32:19 AM



#18
Methyl Acetate
Concen: 54.070 ug/l
RT: 4.50 min Scan# 453
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	20.3	30.5





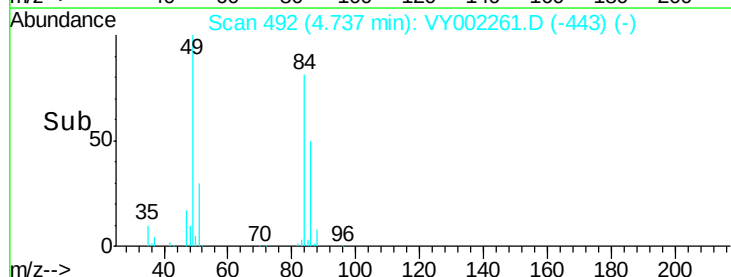
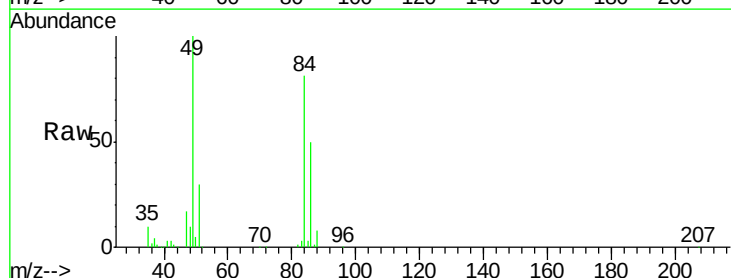
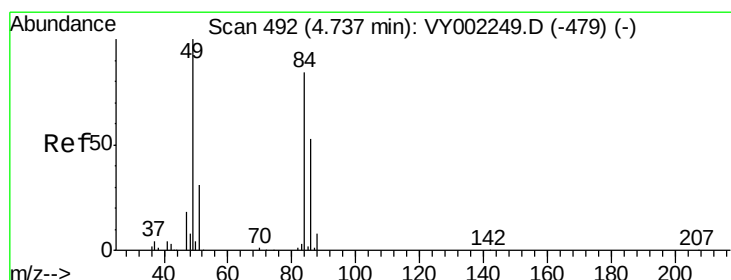
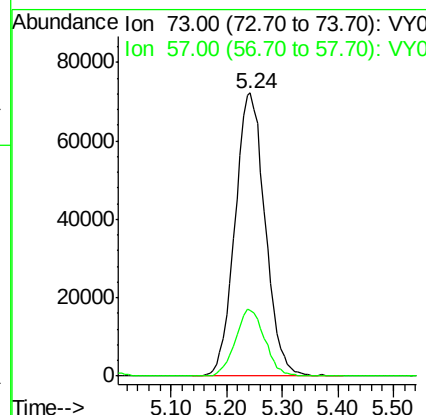
#19
Methyl tert-butyl Ether
Concen: 51.821 ug/l
RT: 5.24 min Scan# 575
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tot Ion: 73 Resp: 270451
Ion Ratio Lower Upper
73 100
57 23.5 18.7 28.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

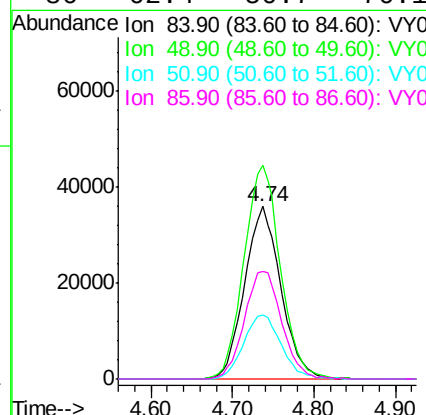
Manual Integrations
APPROVED

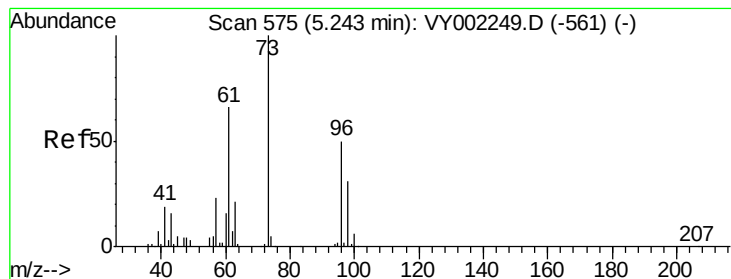
MMDadoda
4/9/2020 11:32:19 AM



#20
Methylene Chloride
Concen: 46.750 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion: 84 Resp: 110651
Ion Ratio Lower Upper
84 100
49 123.9 95.5 143.3
51 37.0 29.5 44.3
86 62.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 47.746 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.01 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

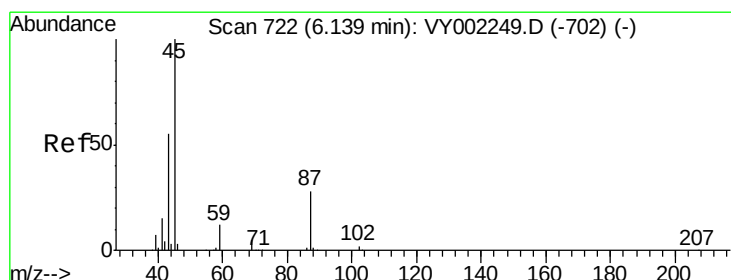
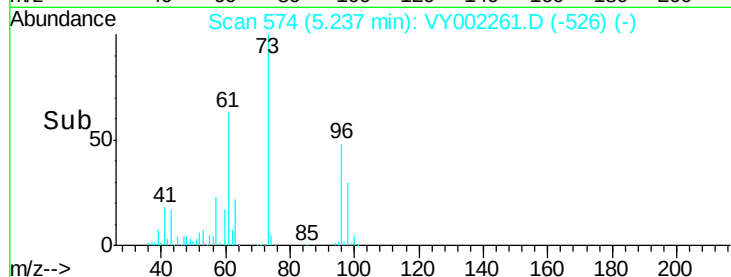
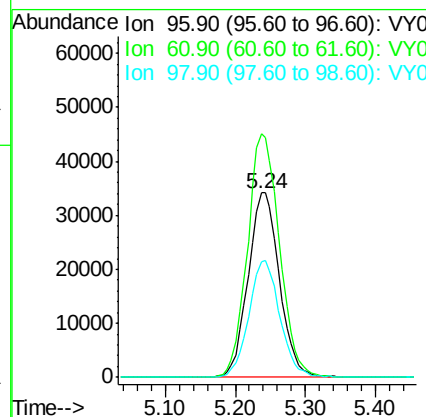
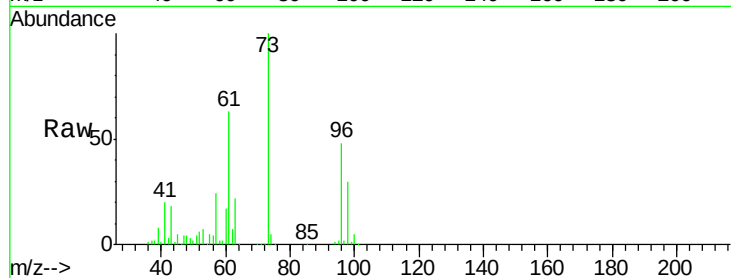
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	106391
Ion	Ratio	Lower	Upper
96	100		
61	132.0	104.6	157.0
98	62.7	50.1	75.1

Manual Integrations
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MMDadoda
4/9/2020 11:32:19 AM



#22

Diisopropyl ether

Concen: 53.279 ug/l

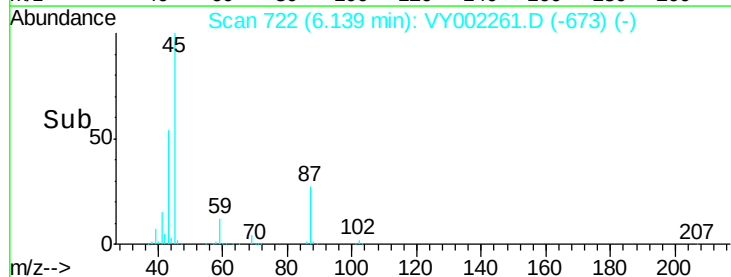
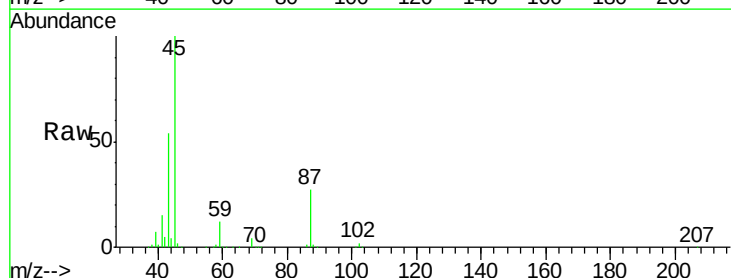
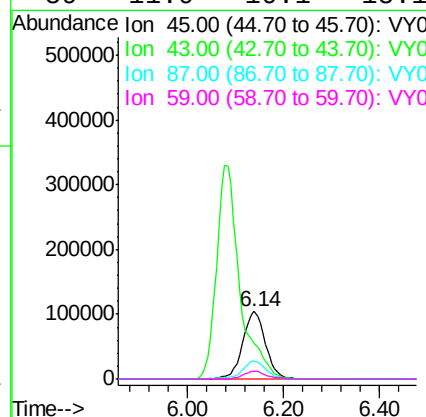
RT: 6.14 min Scan# 722

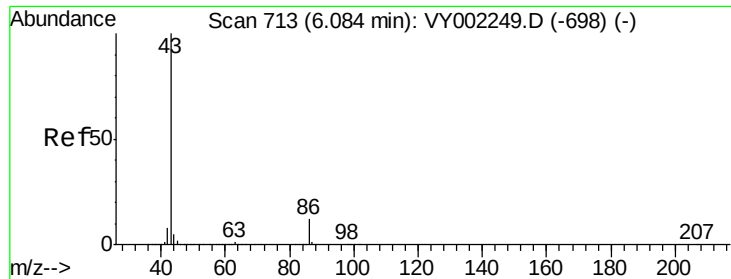
Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Tgt Ion:	45	Resp:	343720
Ion	Ratio	Lower	Upper
45	100		
43	53.6	44.7	67.1
87	26.9	23.0	34.4
59	11.9	10.1	15.1





#23

Vinyl Acetate

Concen: 270.139 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1110590

Ion Ratio Lower Upper

43 100

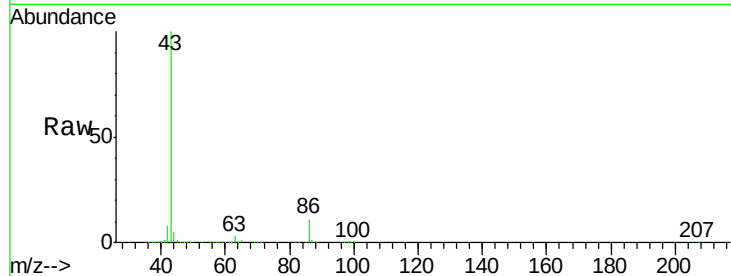
86 10.9 9.2 13.8

Manual Integrations

APPROVED

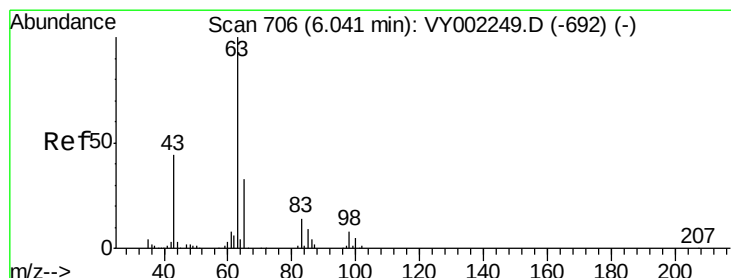
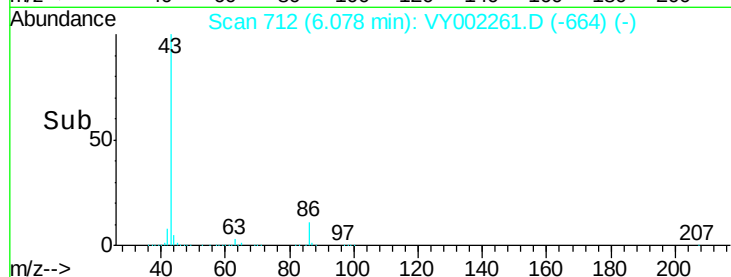
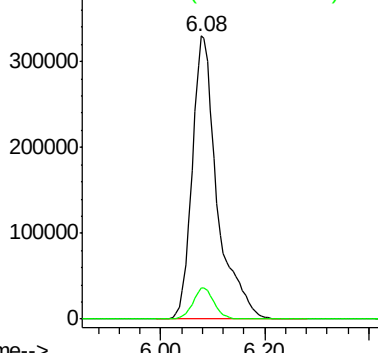
MMDadoda

4/9/2020 11:32:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 50.914 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

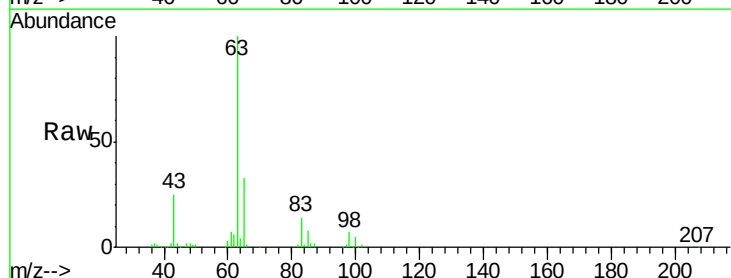
Tgt Ion: 63 Resp: 186826

Ion Ratio Lower Upper

63 100

98 6.6 4.0 12.0

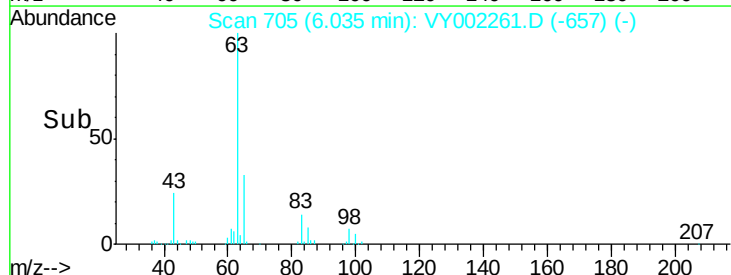
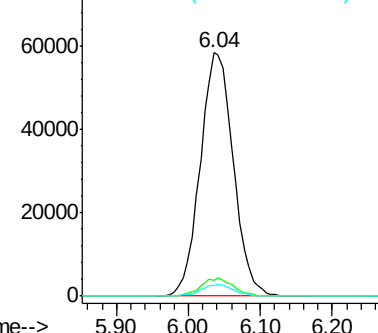
100 4.5 2.4 7.1

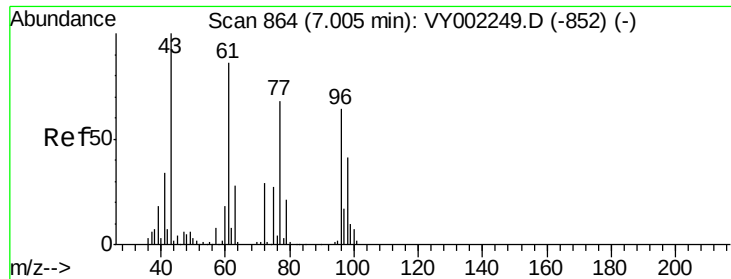


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 258.021 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 196631

Ion Ratio Lower Upper

43 100

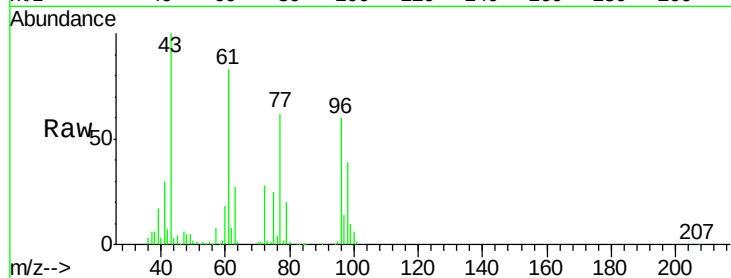
72 27.8 23.2 34.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.00

80000

60000

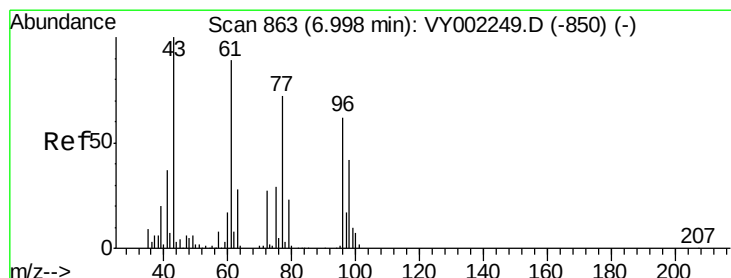
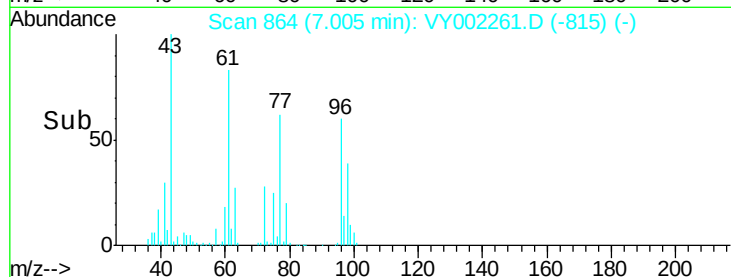
40000

20000

0

6.90 6.95 7.00 7.05

Time-->



#26

2,2-Dichloropropane

Concen: 45.780 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY002261.D

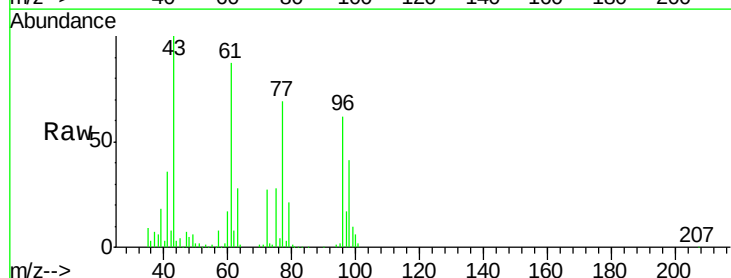
Acq: 08 Apr 2020 19:31

Tgt Ion: 77 Resp: 140522

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

7.00

50000

40000

30000

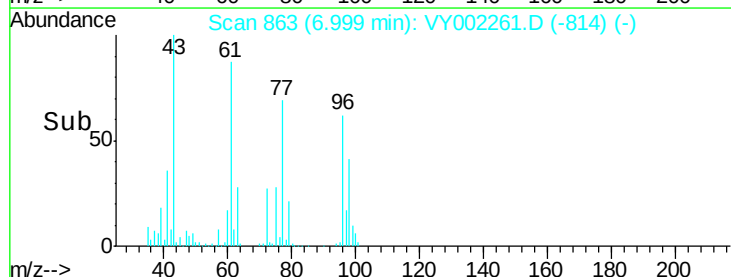
20000

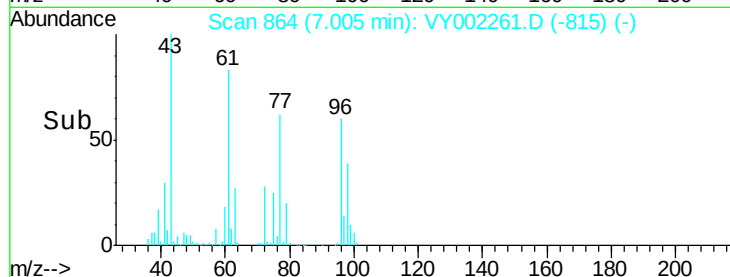
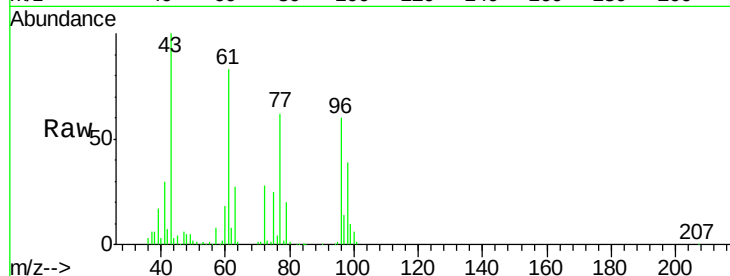
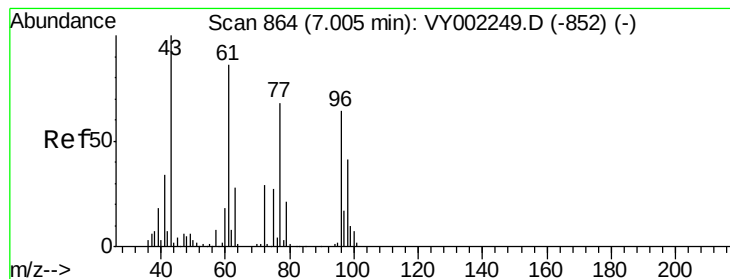
10000

0

6.90 7.00 7.10

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.772 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002261.D

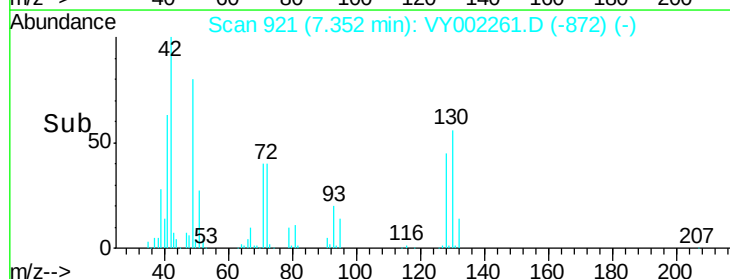
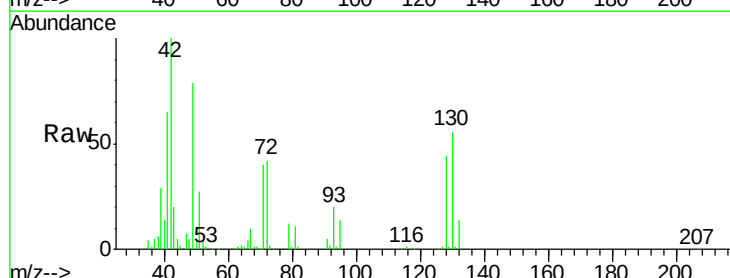
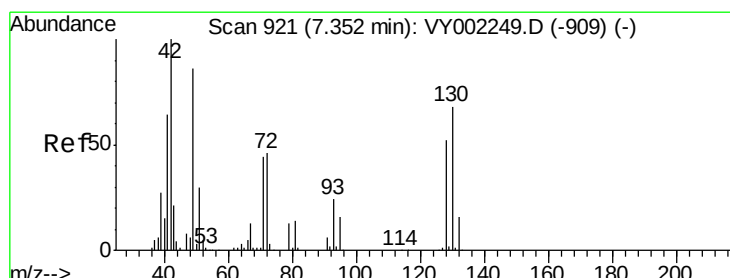
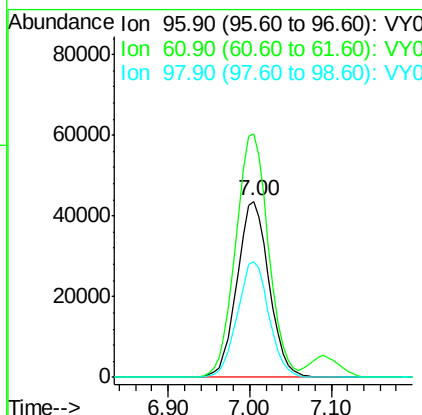
Acq: 08 Apr 2020 19:31

Tot Ion:	96	Resp:	118467
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	278.0
98	64.9	0.0	128.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/9/2020 11:32:19 AM



#28

Bromochloromethane

Concen: 52.464 ug/l

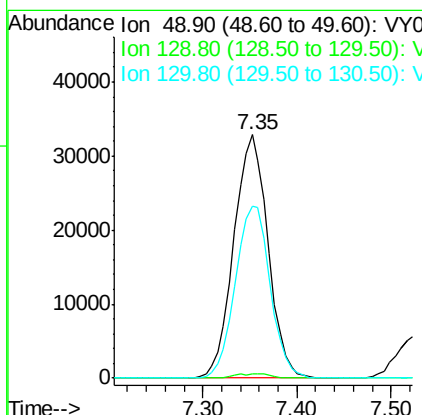
RT: 7.35 min Scan# 921

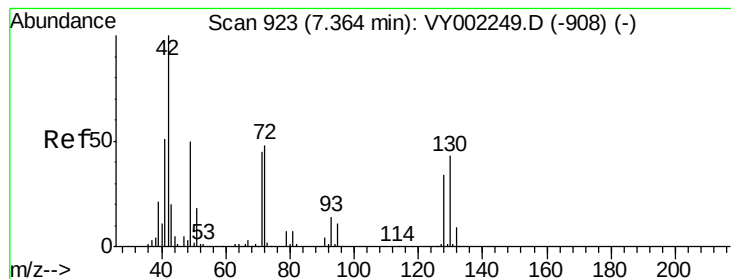
Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Tgt Ion:	49	Resp:	83105
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	72.2	60.9	91.3





#29

Tetrahydrofuran

Concen: 268.157 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

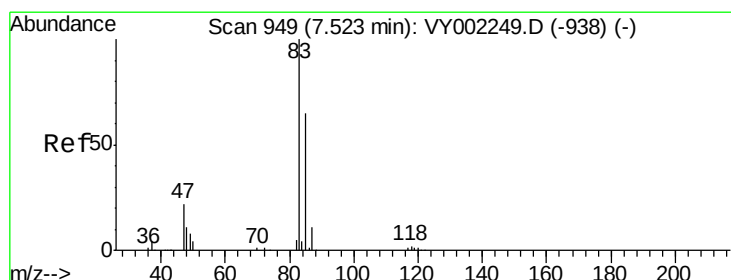
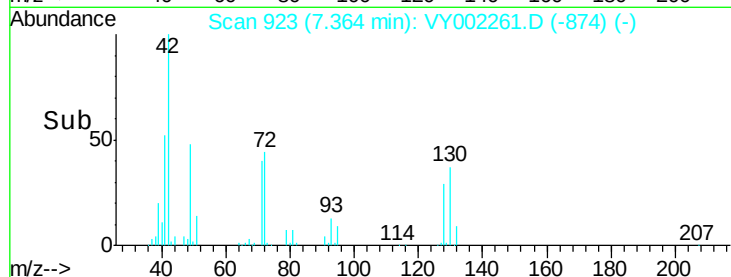
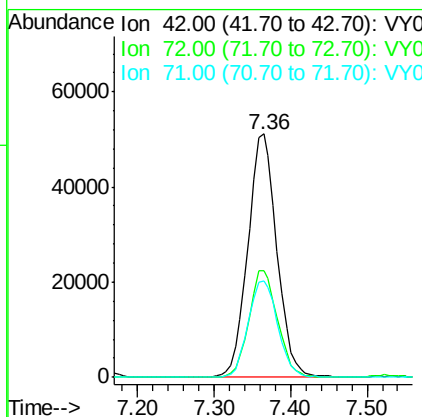
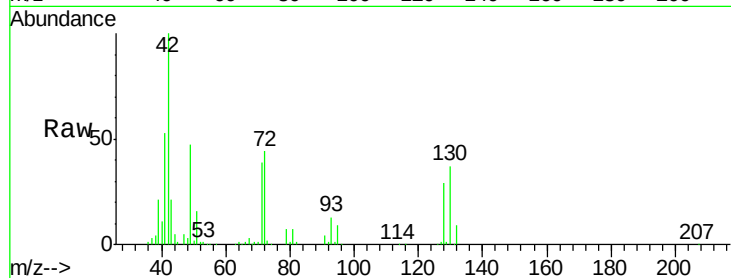
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	135084
Ion	Ratio	Lower	Upper
42	100		
72	43.5	36.7	55.1
71	40.4	34.7	52.1

Manual Integrations
APPROVED

MMDadoda
4/9/2020 11:32:19 AM



#30

Chloroform

Concen: 50.798 ug/l

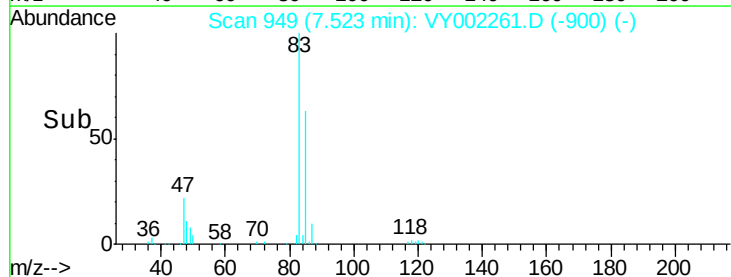
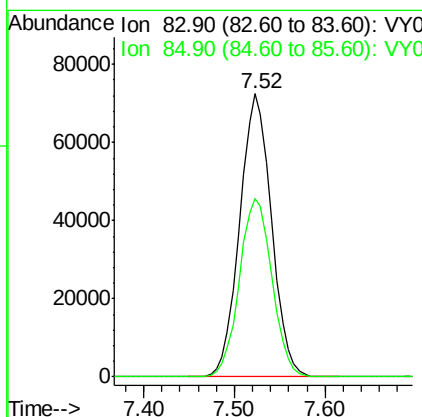
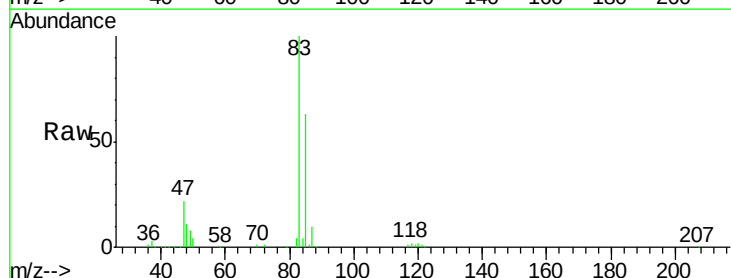
RT: 7.52 min Scan# 949

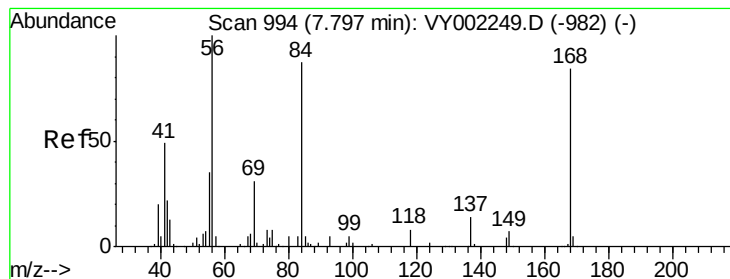
Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Tgt Ion:	83	Resp:	175712
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.0	78.0





#31

Cyclohexane

Concen: 46.983 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 180966

Ion Ratio Lower Upper

56 100

69 33.0 25.0 37.6

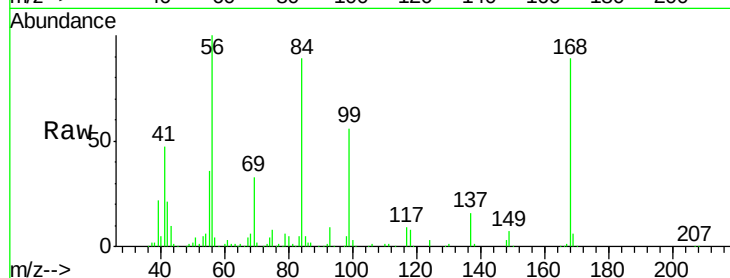
84 87.1 69.7 104.5

Manual Integrations

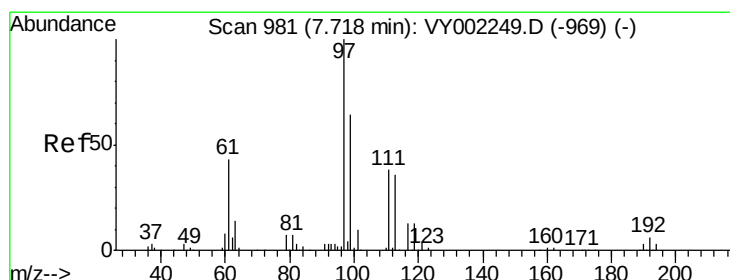
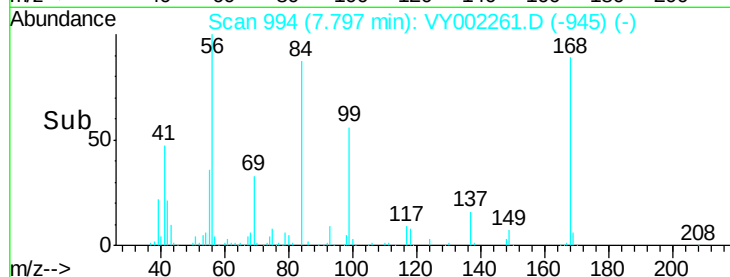
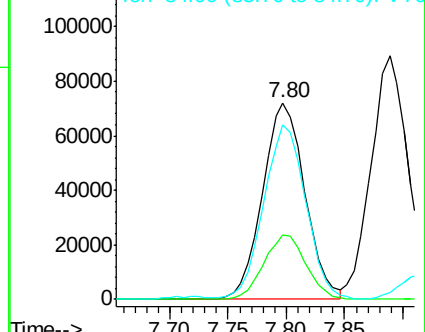
APPROVED

MMDadoda

4/9/2020 11:32:19 AM



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



#32

1,1,1-Trichloroethane

Concen: 49.284 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

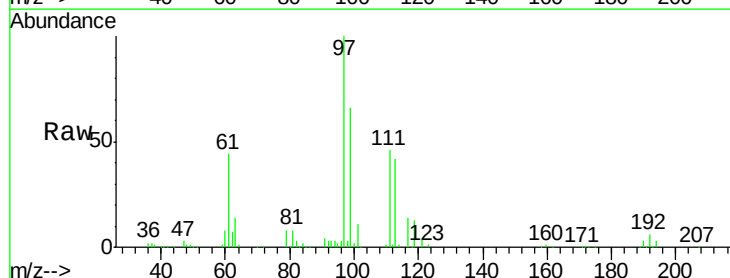
Tgt Ion: 97 Resp: 141893

Ion Ratio Lower Upper

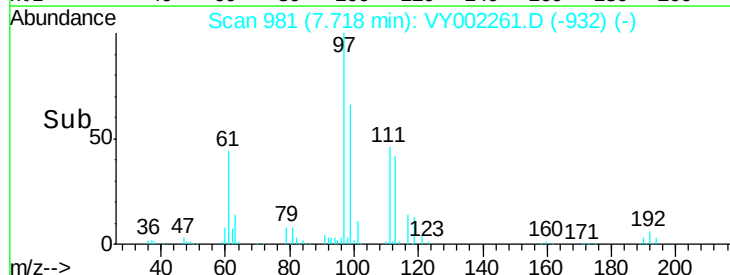
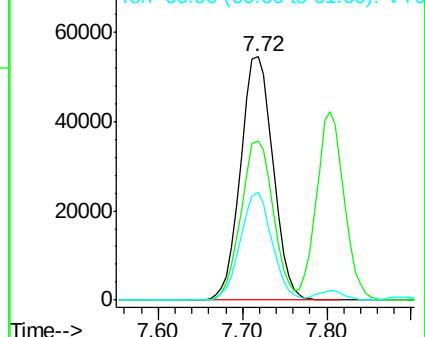
97 100

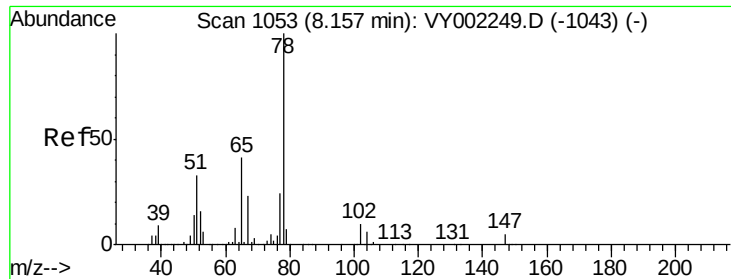
99 65.0 51.3 76.9

61 43.1 34.3 51.5



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





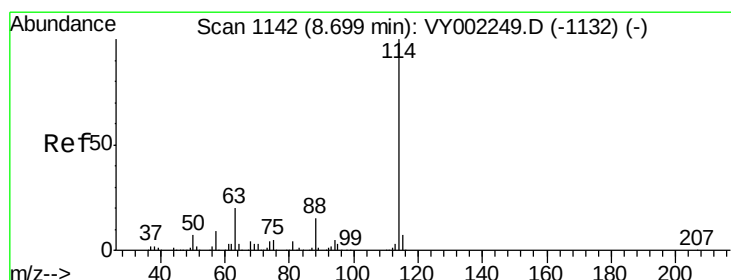
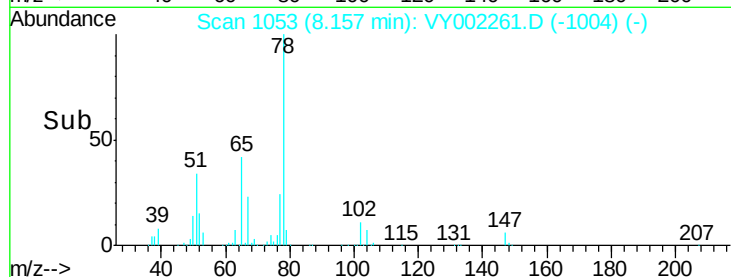
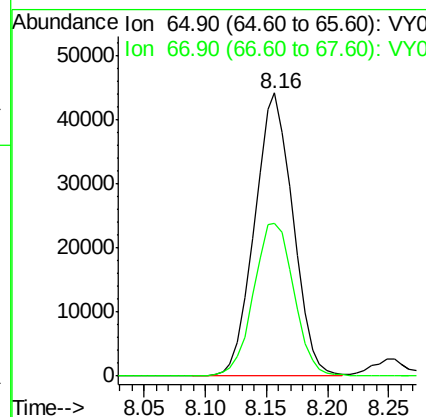
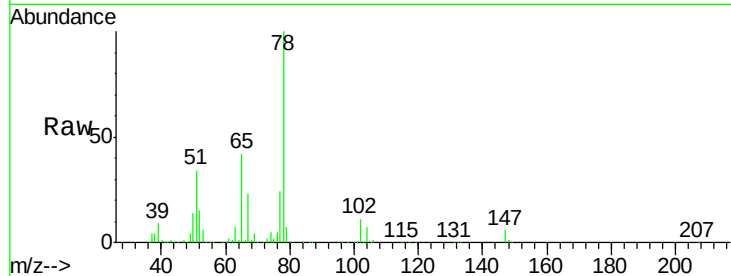
#33
 1,2-Dichloroethane-d4
 Concen: 52.622 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.5	0.0	114.0

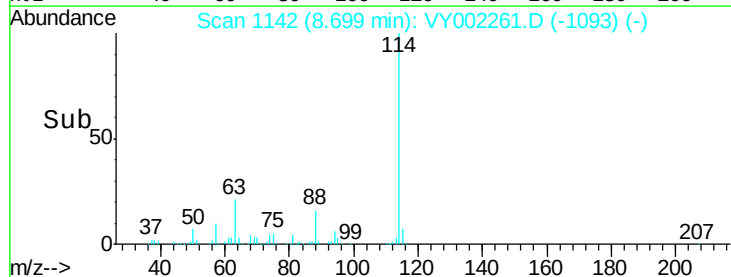
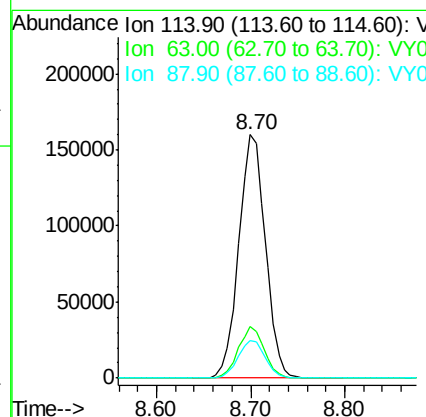
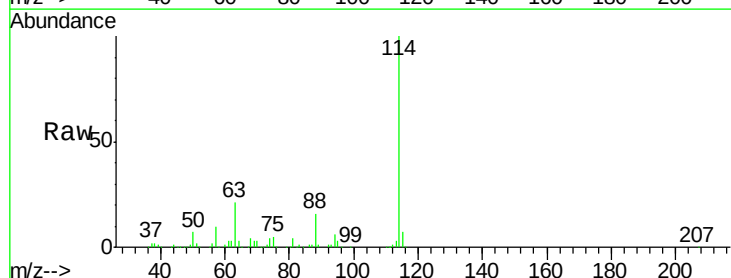
Manual Integrations
 APPROVED

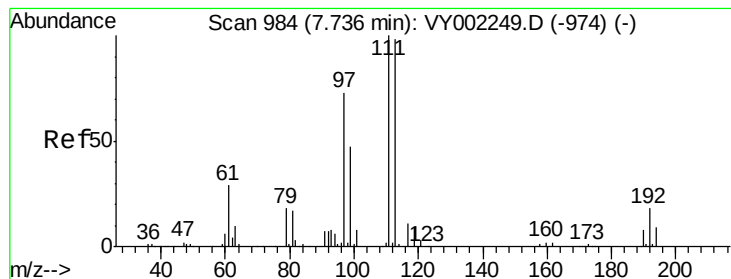
MMDadoda
 4/9/2020 11:32:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	39.0
88	15.7	0.0	31.0





#35

Dibromofluoromethane

Concen: 48.669 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 90688

Ion Ratio Lower Upper

113 100

111 104.4 83.5 125.3

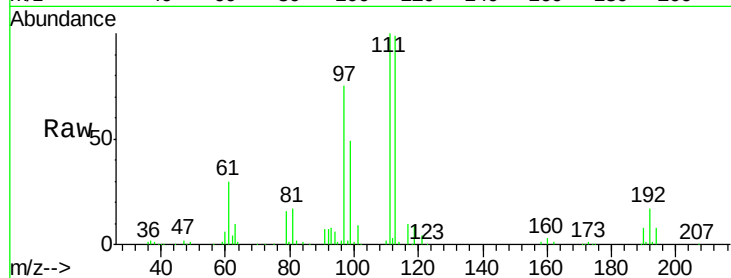
192 17.5 14.7 22.1

Manual Integrations

APPROVED

MMDadoda

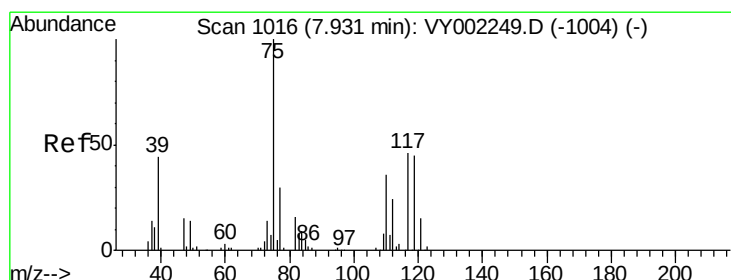
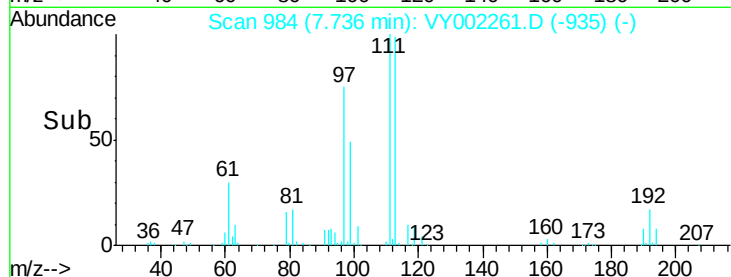
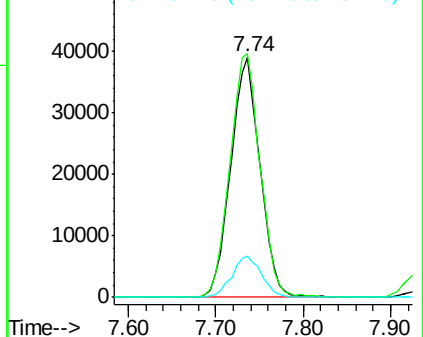
4/9/2020 11:32:19 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.095 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

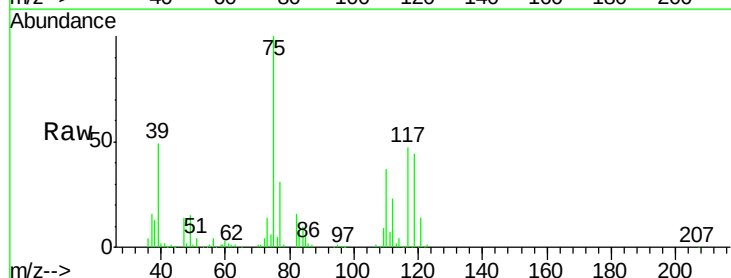
Tgt Ion: 75 Resp: 142180

Ion Ratio Lower Upper

75 100

110 34.9 17.8 53.3

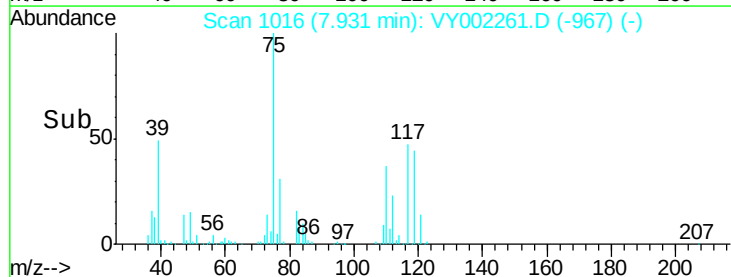
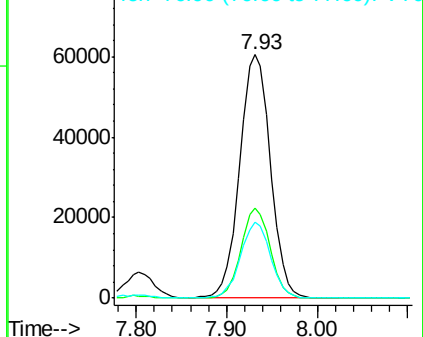
77 30.7 24.4 36.6

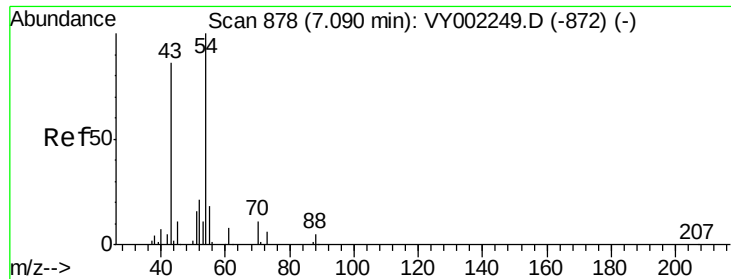


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





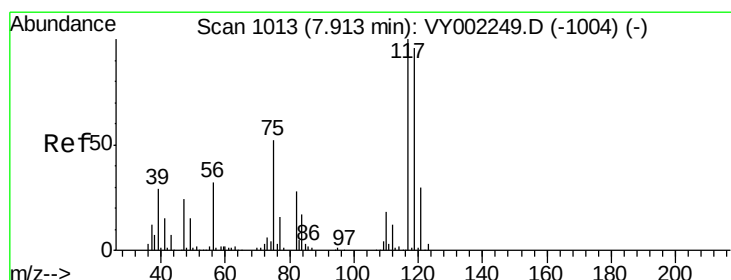
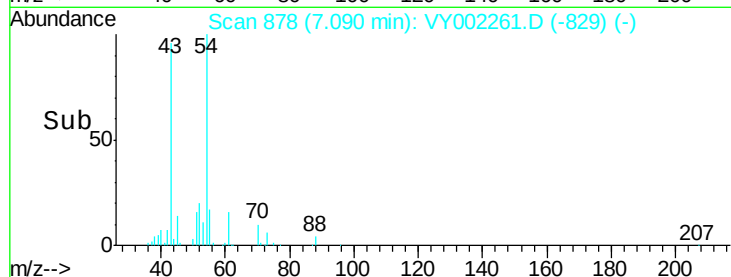
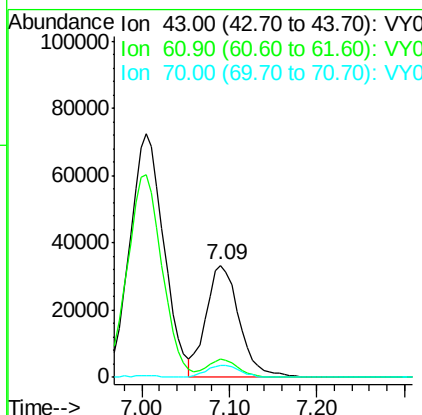
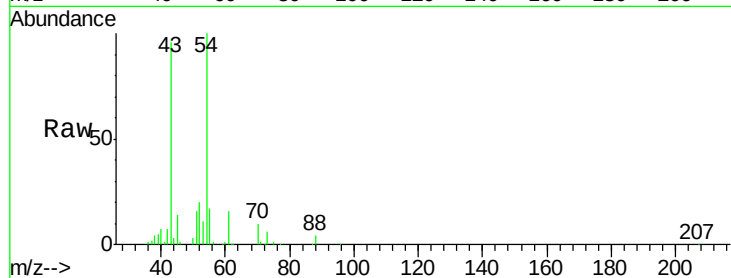
#37
Ethyl Acetate
Concen: 50.298 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	88632
Ion Ratio	Lower	Upper	
43	100		
61	15.4	11.8	17.6
70	11.0	9.1	13.7

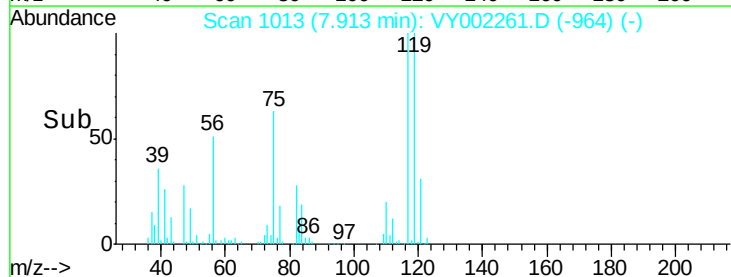
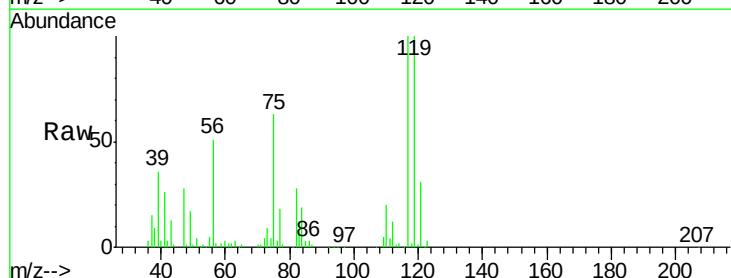
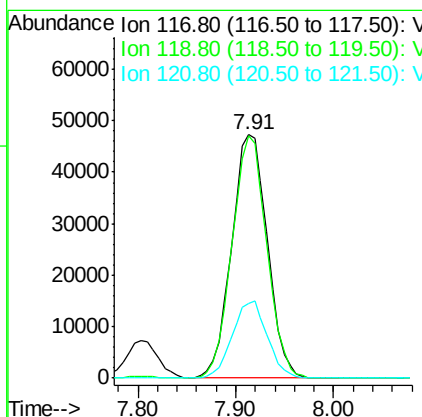
Manual Integrations
APPROVED

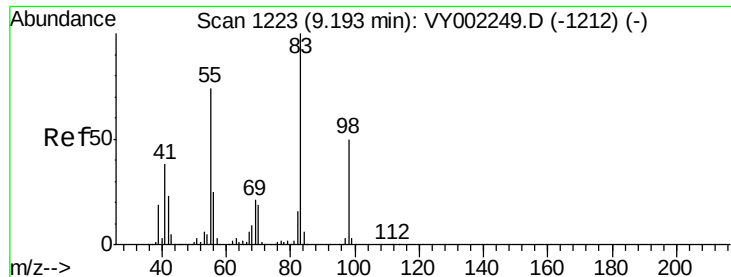
MMDadoda
4/9/2020 11:32:19 AM



#38
Carbon Tetrachloride
Concen: 45.410 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	117	Resp	119809
Ion Ratio	Lower	Upper	
117	100		
119	99.5	77.1	115.7
121	30.9	23.9	35.9





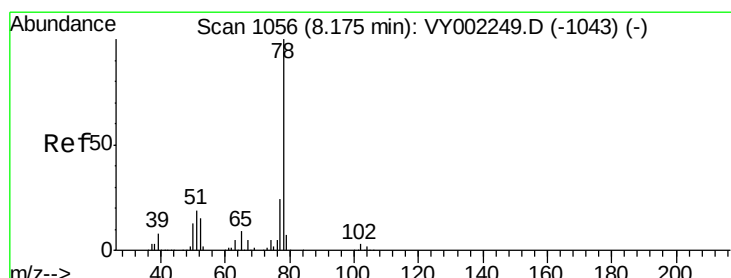
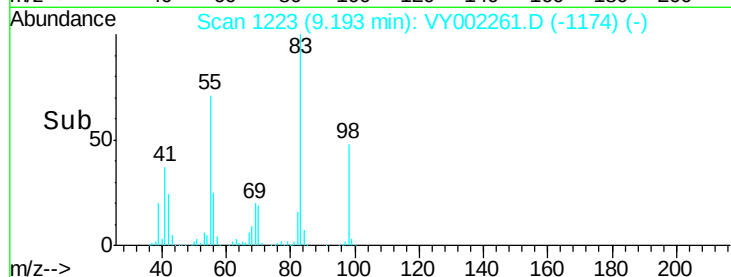
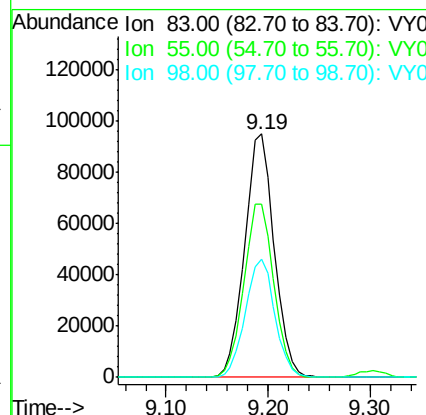
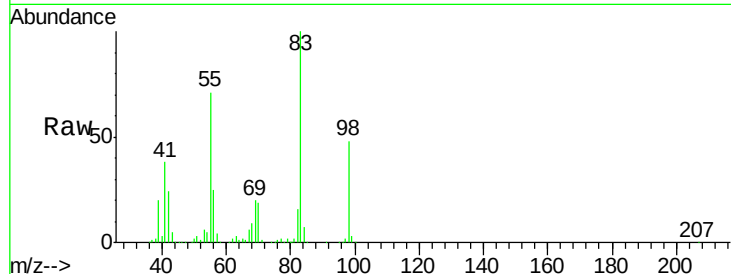
#39
Methylvlcyclohexane
Concen: 45.471 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.9	59.3	88.9
98	48.4	39.6	59.4

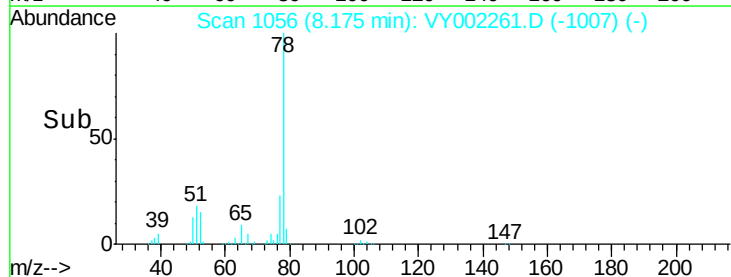
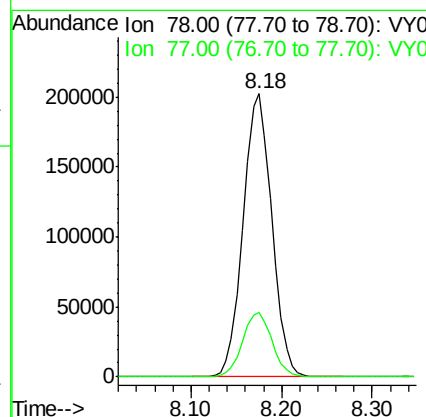
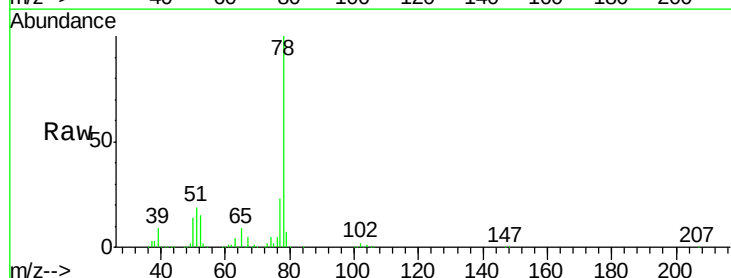
Manual Integrations
APPROVED

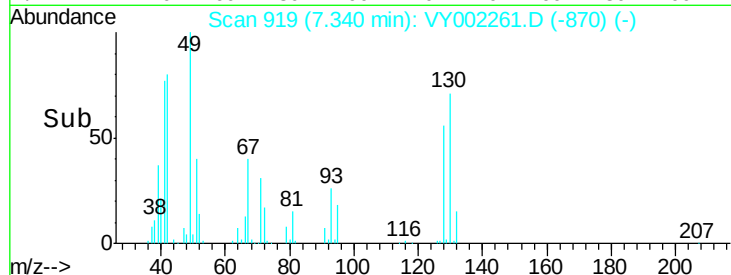
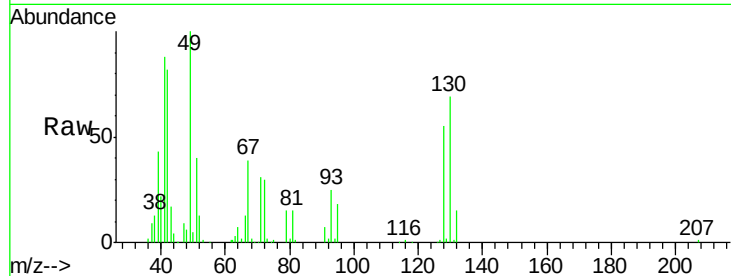
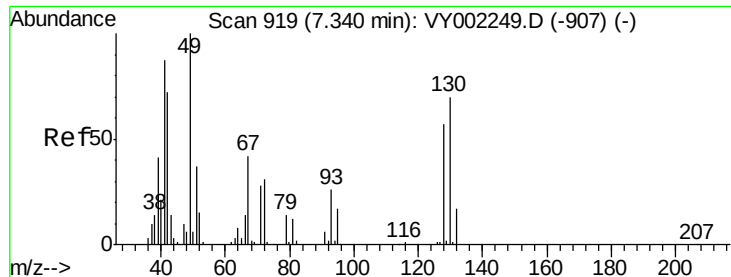
MMDadoda
4/9/2020 11:32:19 AM



#40
Benzene
Concen: 47.310 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.9	28.3





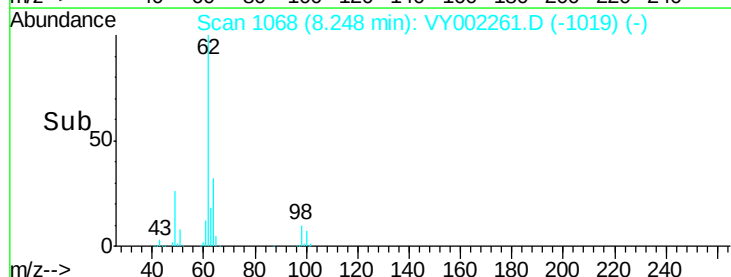
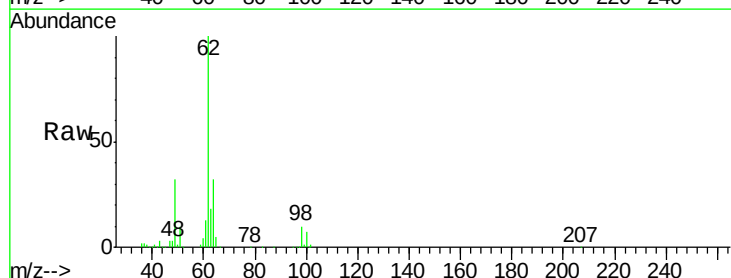
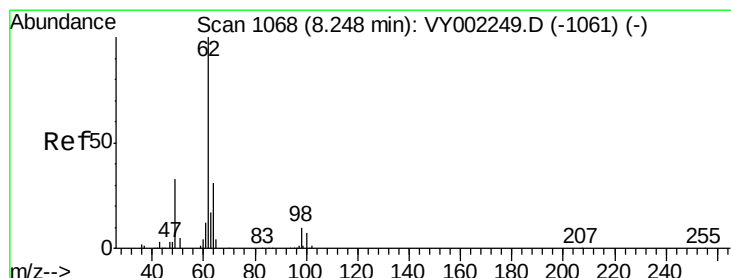
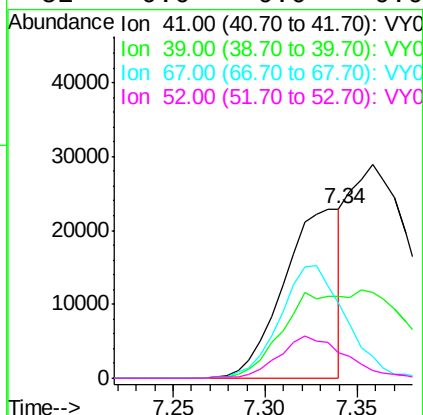
#41
Methacrylonitrile
Concen: 47.872 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tot Ion	41	Resp	49763
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

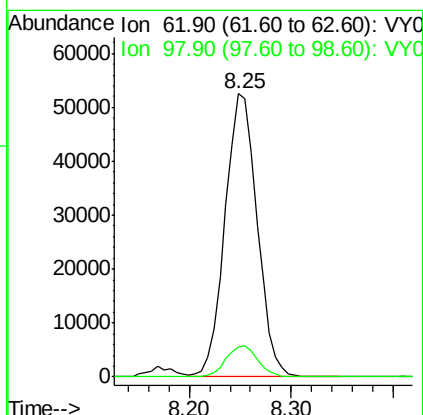
Manual Integrations
APPROVED

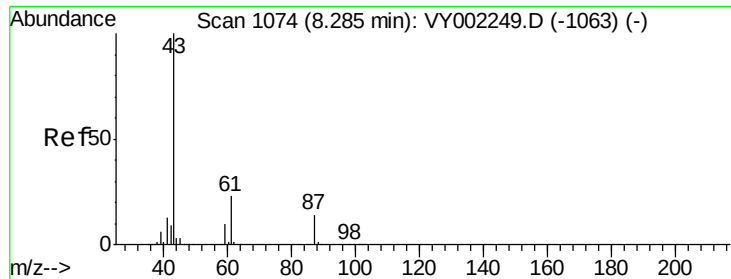
MMDadoda
4/9/2020 11:32:19 AM



#42
1,2-Dichloroethane
Concen: 49.483 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	62	Resp	114713
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.6





#43

Isopropyl Acetate

Concen: 51.717 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

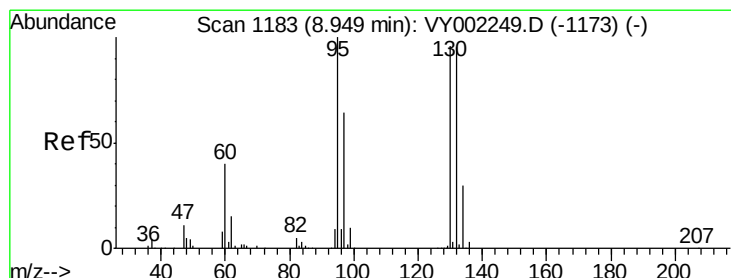
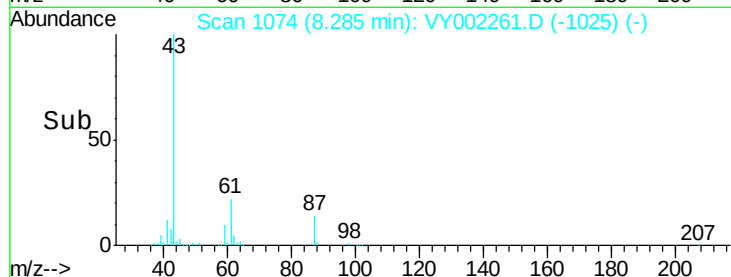
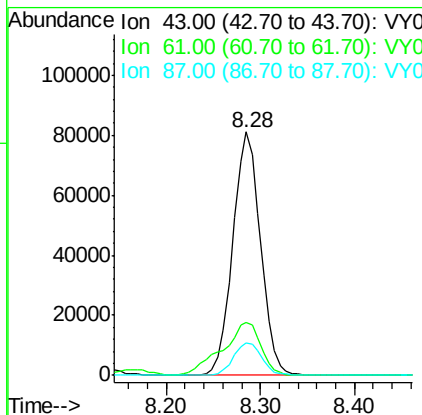
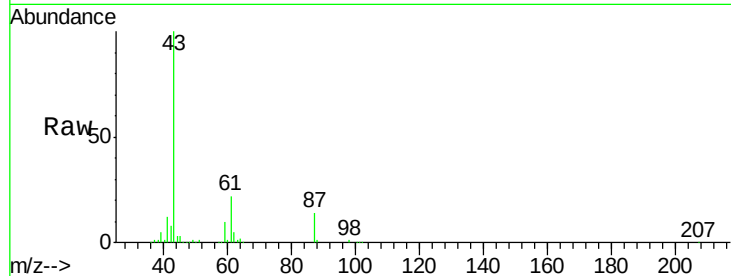
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	166203
Ion	Ratio	Lower	Upper
43	100		
61	29.9	24.9	37.3
87	13.7	11.7	17.5

Manual Integrations
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MMDadoda
4/9/2020 11:32:19 AM



#44

Trichloroethene

Concen: 45.328 ug/l

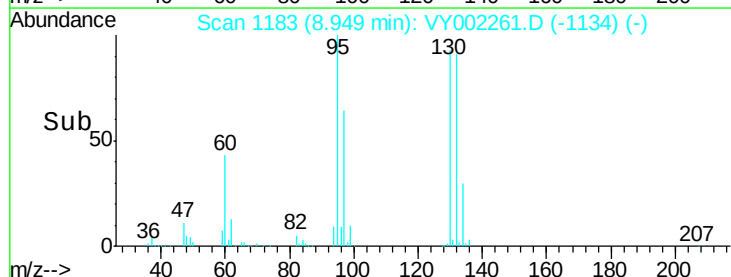
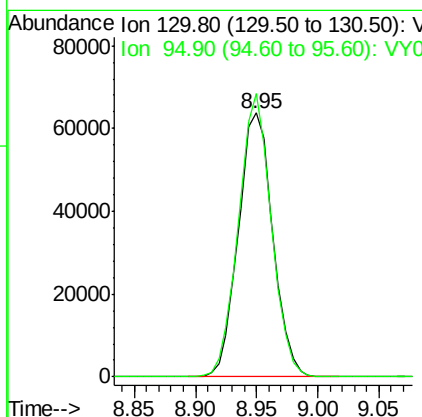
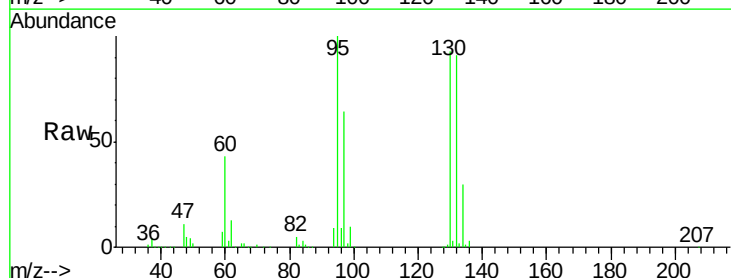
RT: 8.95 min Scan# 1183

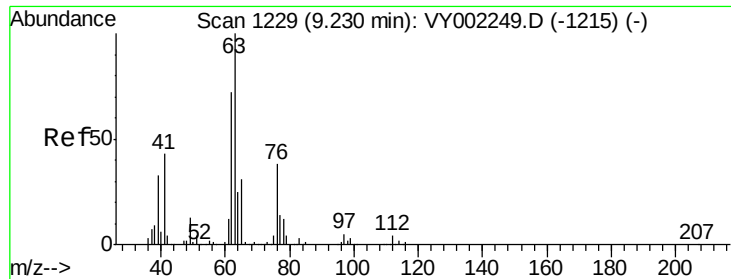
Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Tgt Ion:	130	Resp:	124716
Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	208.2





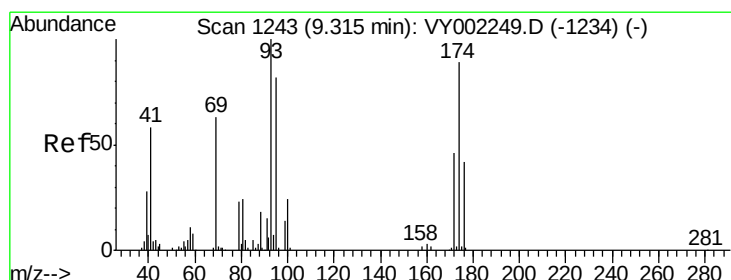
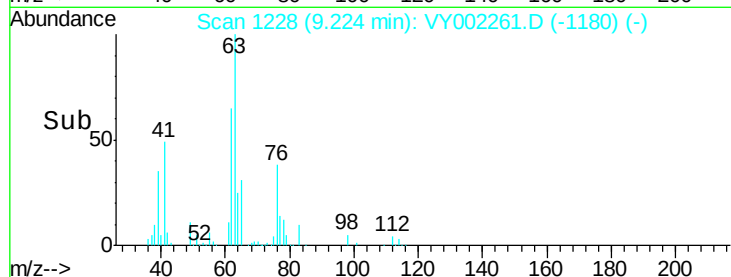
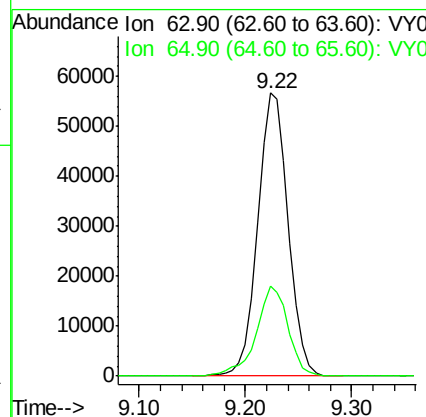
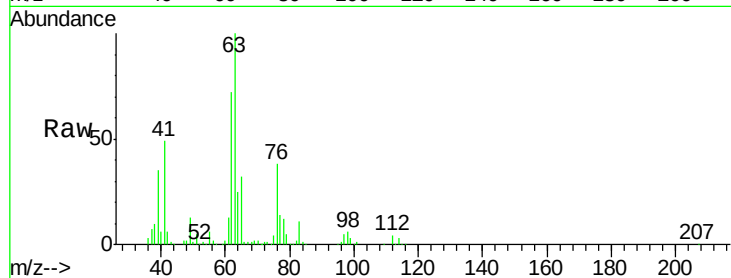
#45
 1,2-Dichloropropane
 Concen: 48.874 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 113484
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.6 37.0

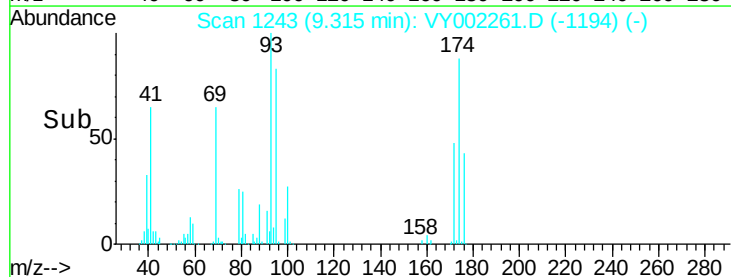
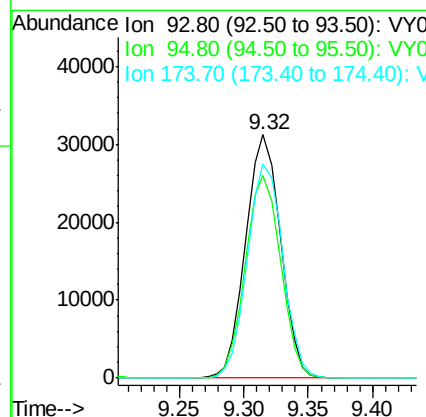
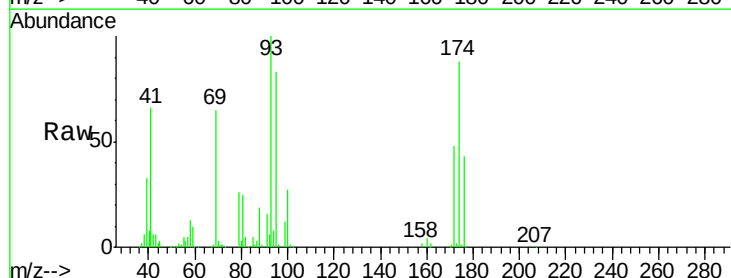
Manual Integrations
 APPROVED

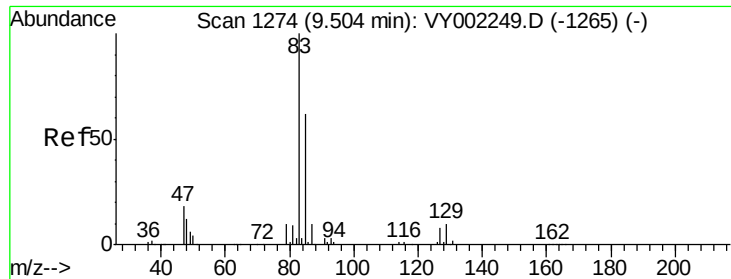
MMDadoda
 4/9/2020 11:32:19 AM



#46
 Dibromomethane
 Concen: 48.483 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Tgt Ion: 93 Resp: 58862
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.3 100.9
 174 89.5 72.5 108.7





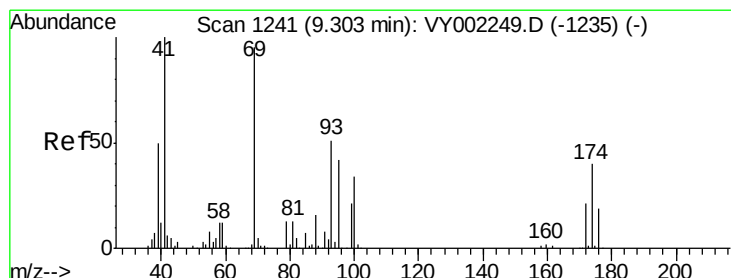
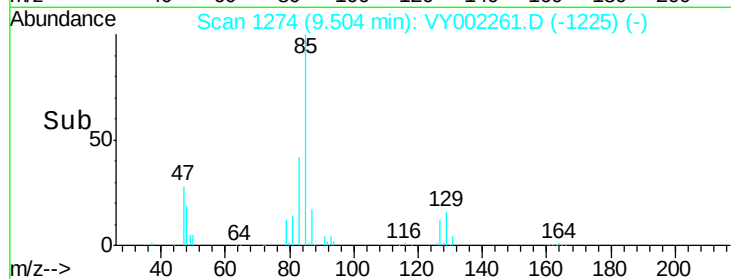
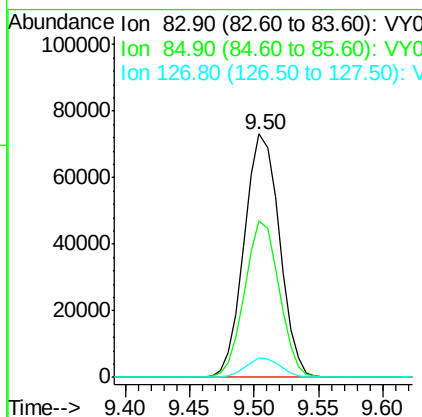
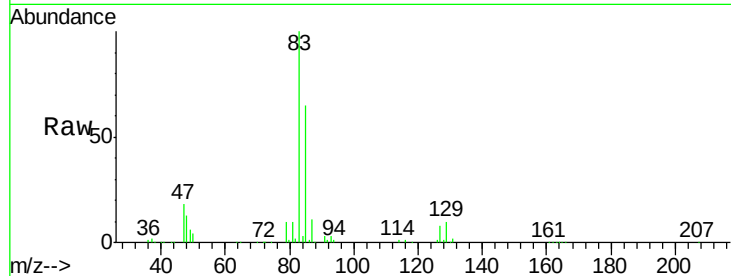
#47
Bromodichloromethane
Concen: 49.755 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	138603
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	49.7	74.5
127	8.0	6.2	9.4

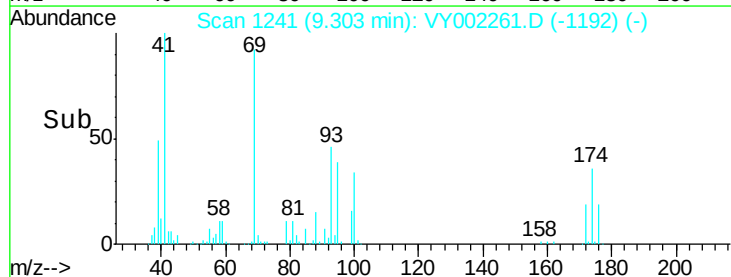
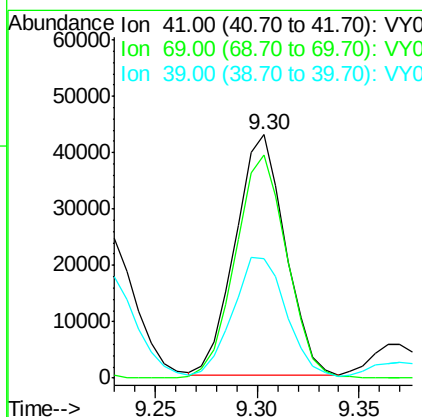
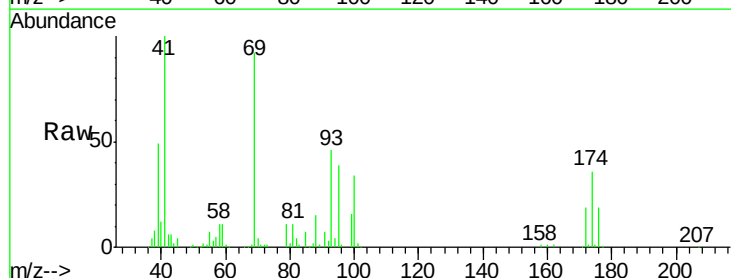
Manual Integrations
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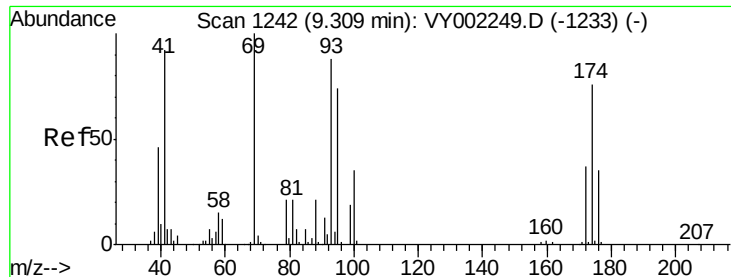
MMDadoda
4/9/2020 11:32:19 AM



#48
Methyl methacrylate
Concen: 50.364 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	41	Resp	72575
Ion Ratio	100	Lower	Upper
41	100		
69	95.4	76.7	115.1
39	52.3	40.5	60.7





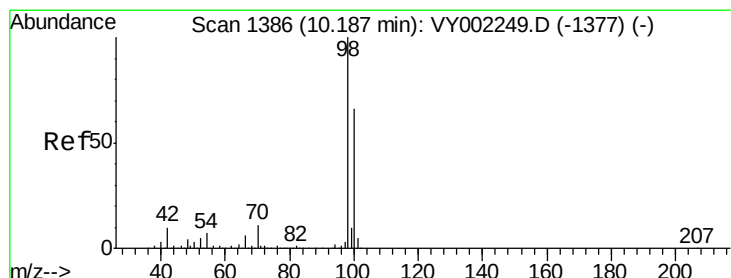
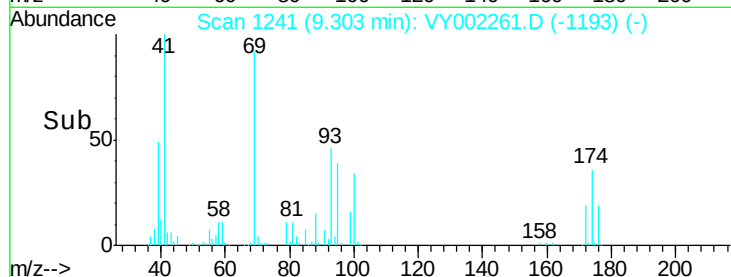
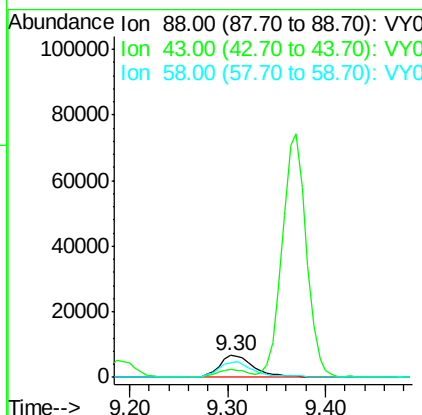
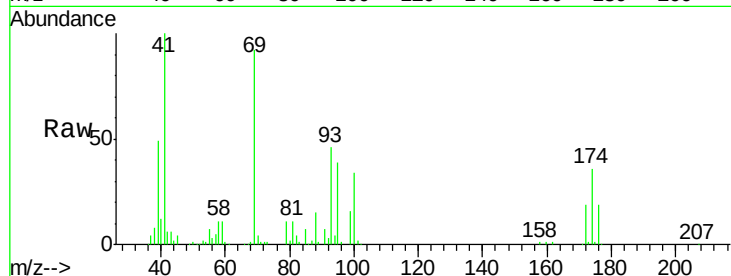
#49
1,4-Dioxane
Concen: 972.881 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	16708
Ion	Ratio	Lower	Upper
88	100		
43	30.8	22.2	33.2
58	66.8	57.6	86.4

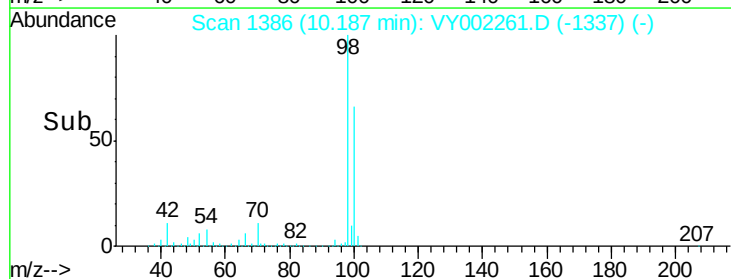
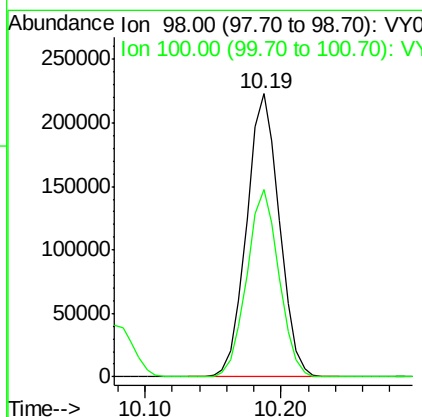
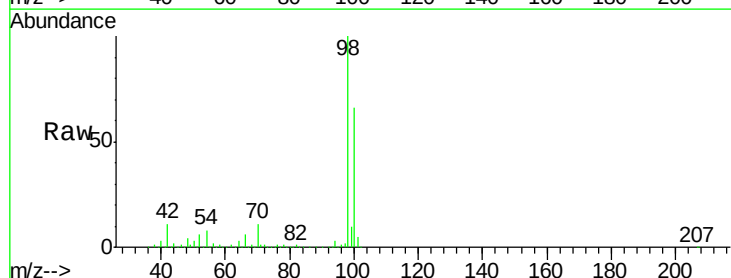
Manual Integrations
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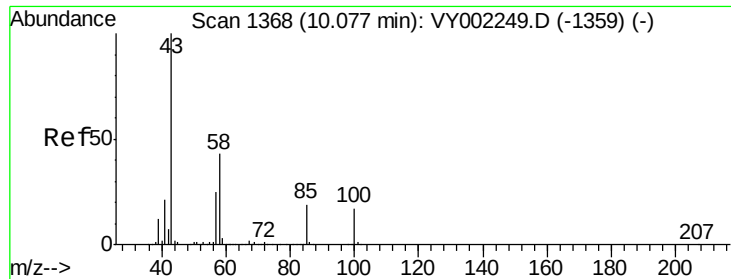
MMDadoda
4/9/2020 11:32:19 AM



#50
Toluene-d8
Concen: 48.147 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	98	Resp	375515
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 255.275 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 427488

Ion Ratio Lower Upper

43 100

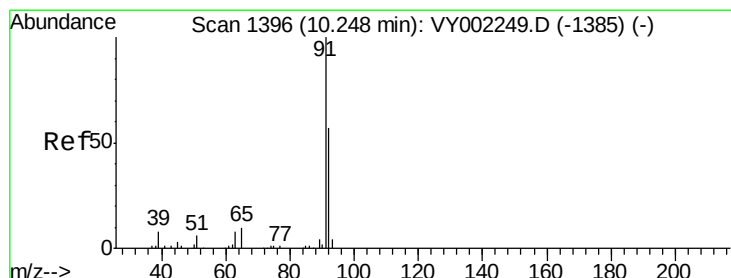
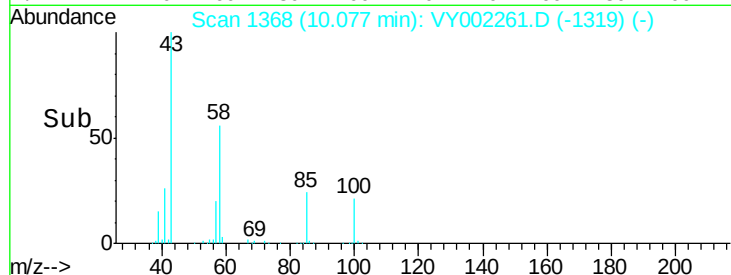
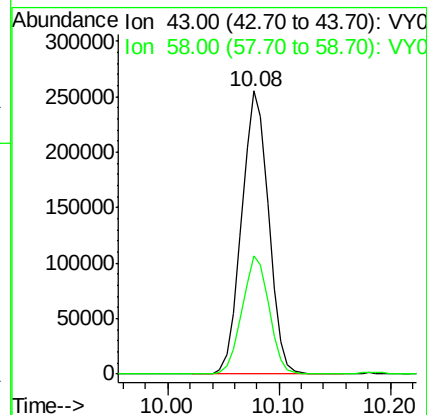
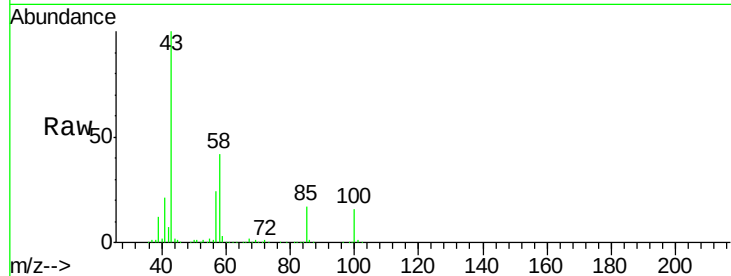
58 41.7 33.8 50.8

Manual Integrations

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MMDadoda

4/9/2020 11:32:19 AM



#52

Toluene

Concen: 47.222 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY002261.D

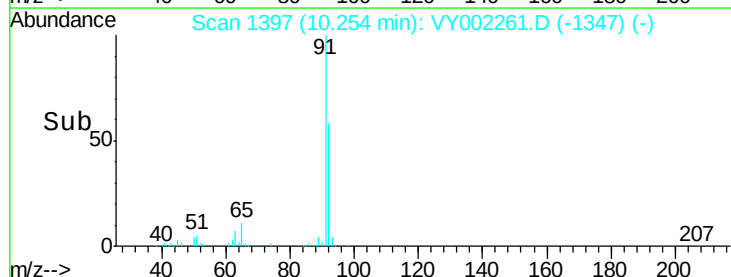
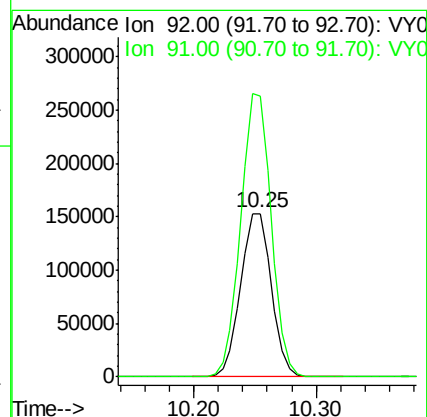
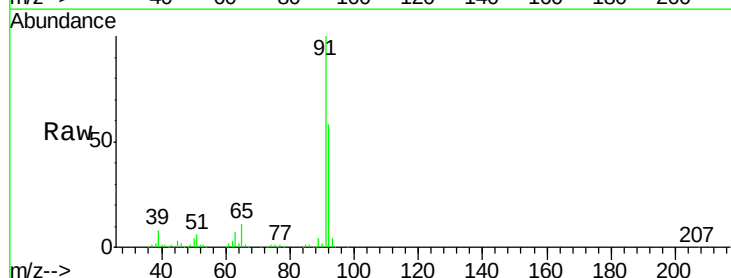
Acq: 08 Apr 2020 19:31

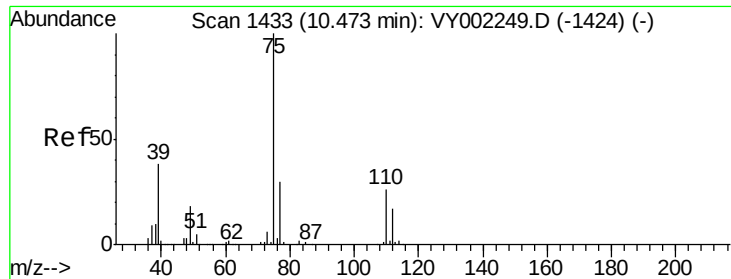
Tgt Ion: 92 Resp: 266325

Ion Ratio Lower Upper

92 100

91 171.8 139.0 208.6





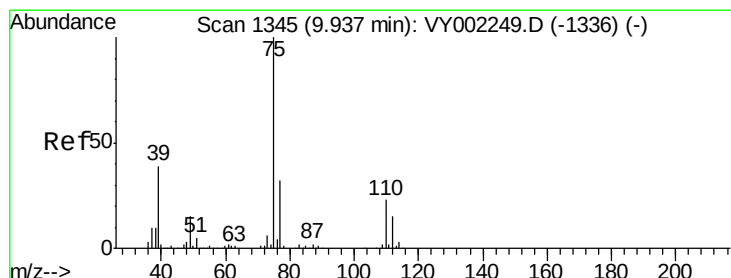
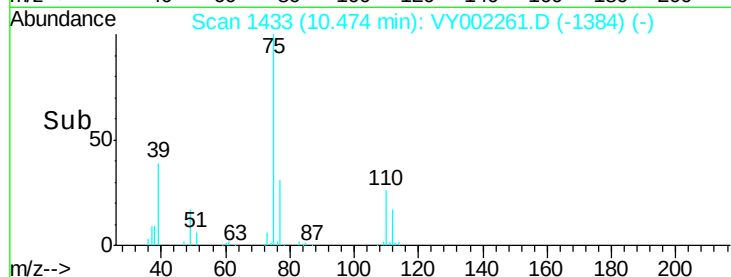
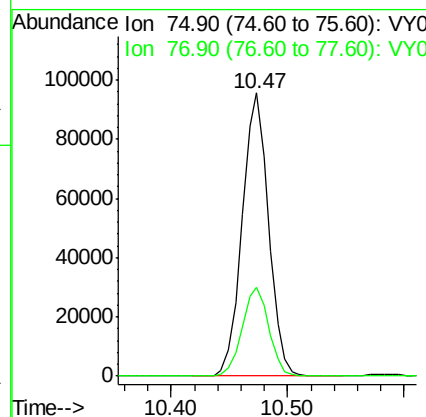
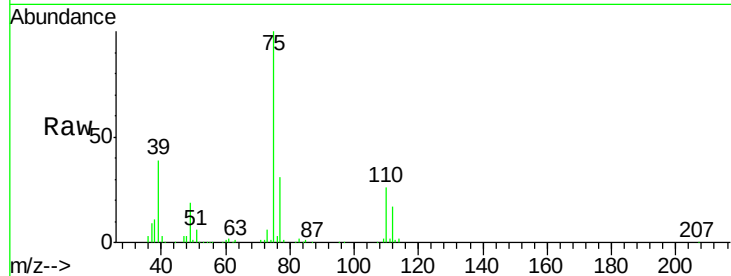
#53
 t-1,3-Dichloropropene
 Concen: 49.737 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.2	36.2

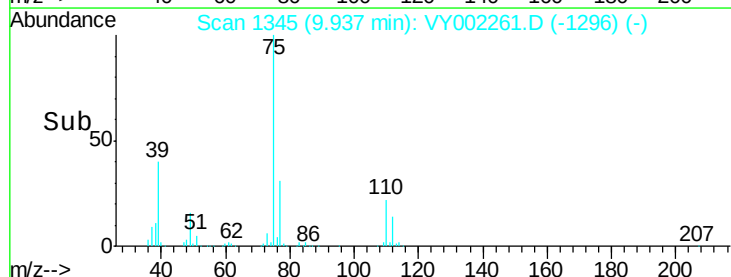
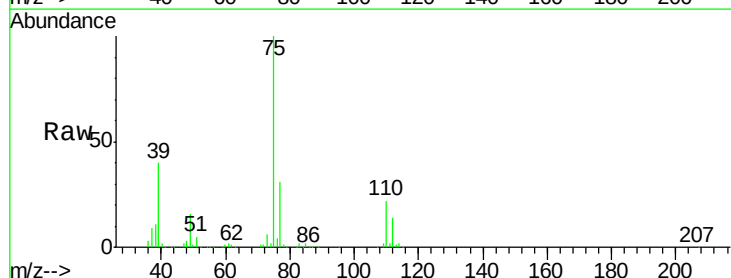
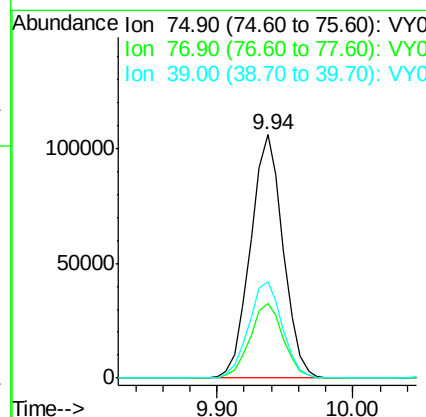
Manual Integrations
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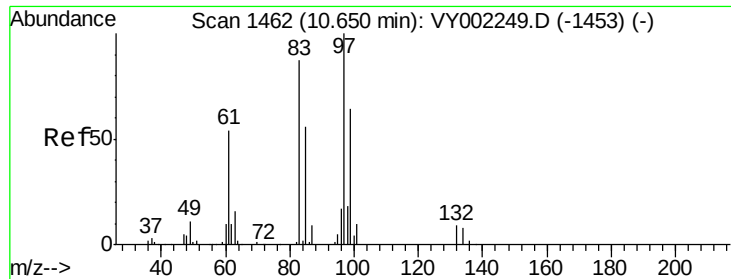
MMDadoda
 4/9/2020 11:32:19 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.851 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.8	38.8
39	39.7	30.8	46.2





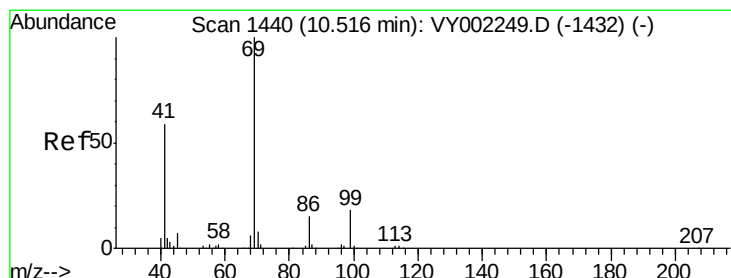
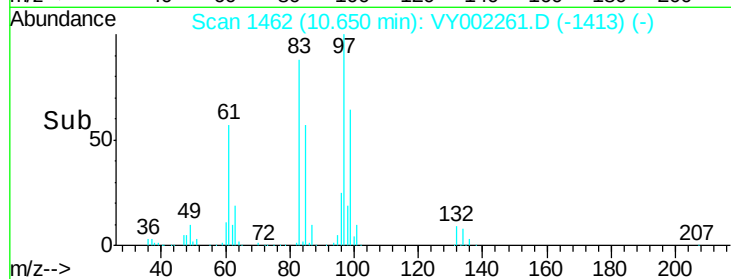
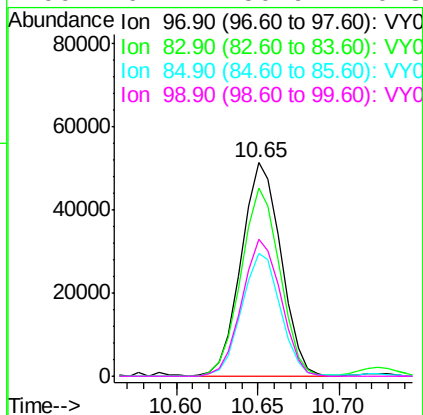
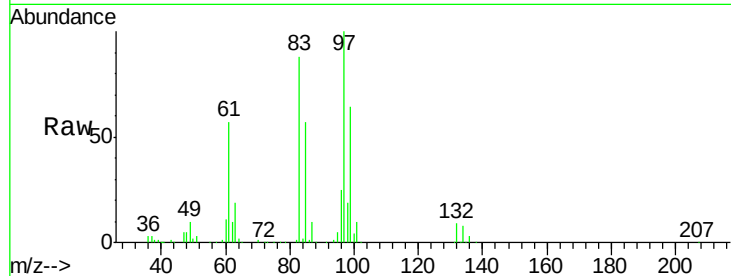
#55
 1,1,2-Trichloroethane
 Concen: 48.803 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		86746		
83	88.1	69.5	104.3		
85	57.6	45.2	67.8		
99	64.1	50.9	76.3		

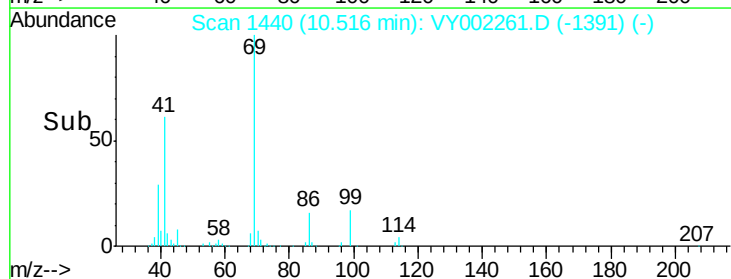
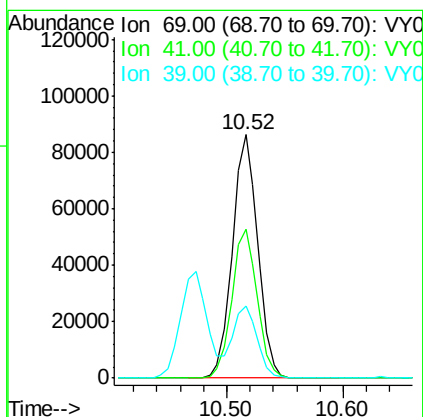
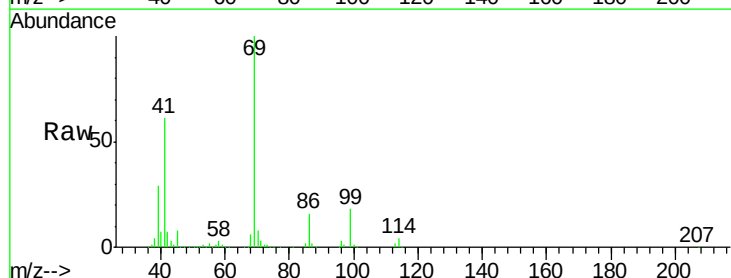
Manual Integrations
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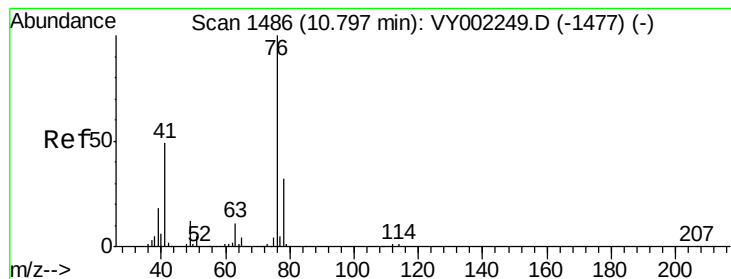
MMDadoda
 4/9/2020 11:32:19 AM



#56
 Ethyl methacrylate
 Concen: 51.397 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		130388		
41	61.1	47.9	71.9		
39	29.7	23.8	35.6		





#57

1,3-Dichloropropane

Concen: 49.394 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 154319

Ion Ratio Lower Upper

76 100

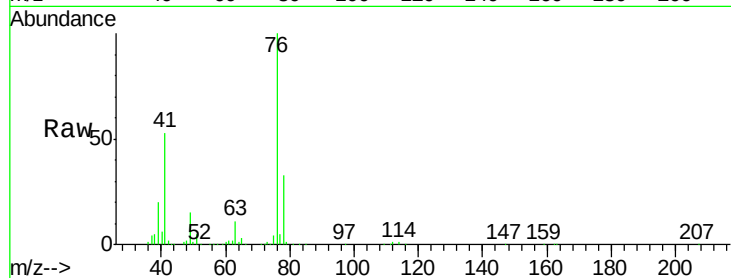
78 32.3 25.8 38.6

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

10.80

80000

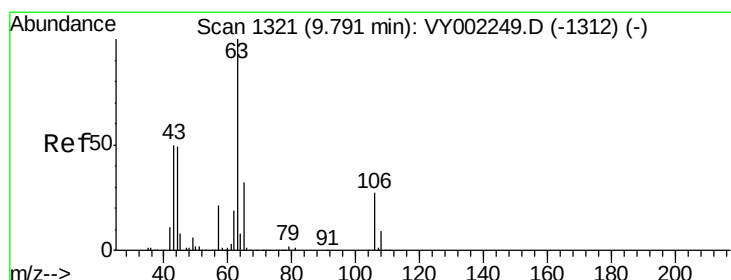
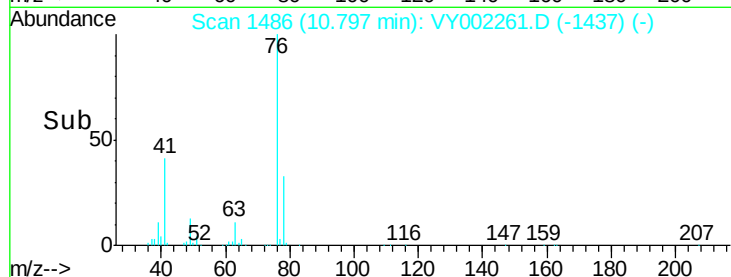
60000

40000

20000

0

Time--> 10.70 10.80 10.90



#58

2-Chloroethyl Vinyl ether

Concen: 257.566 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY002261.D

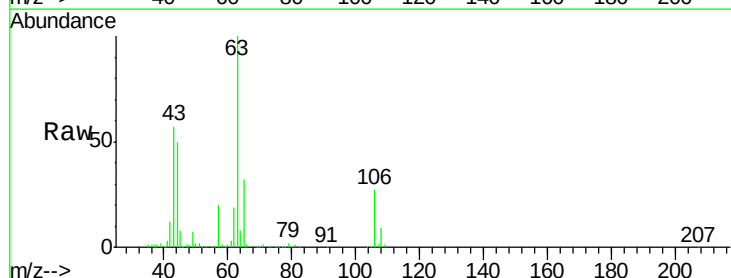
Acq: 08 Apr 2020 19:31

Tgt Ion: 63 Resp: 338368

Ion Ratio Lower Upper

63 100

106 26.9 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.79

200000

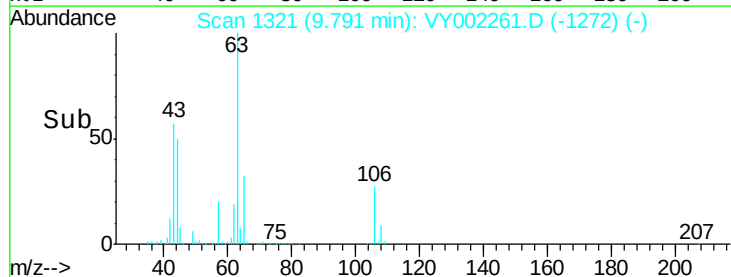
150000

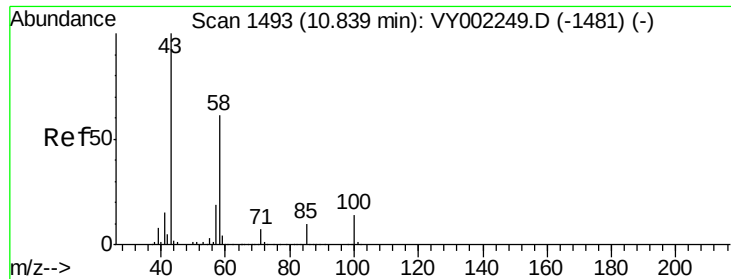
100000

50000

0

Time--> 9.70 9.75 9.80 9.85 9.90





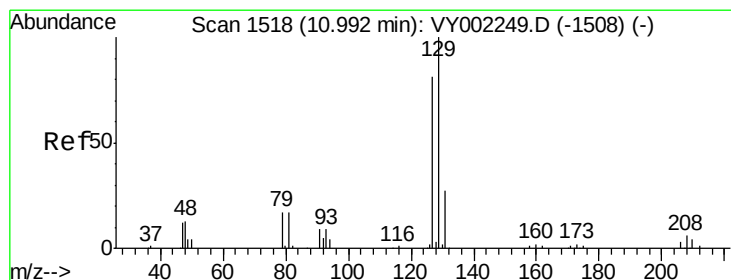
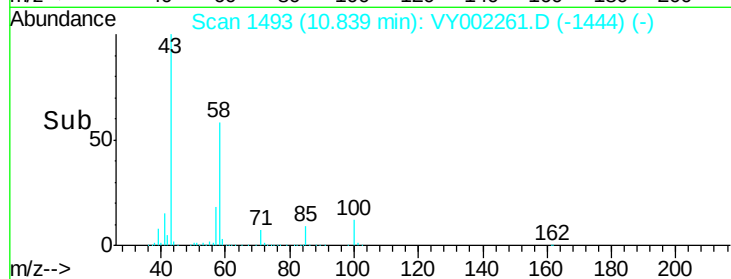
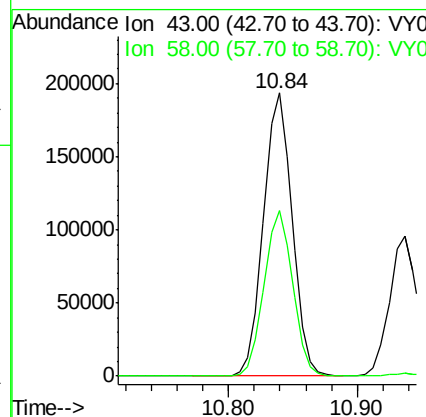
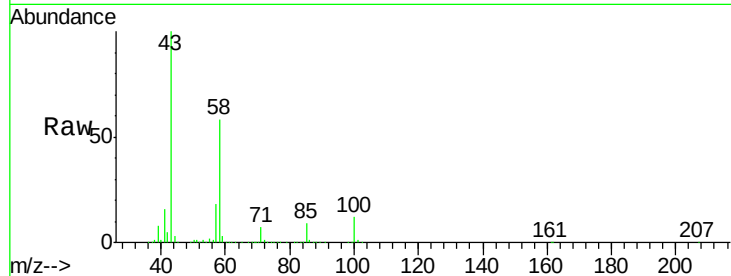
#59
2-Hexanone
Concen: 256.473 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.4	29.8	89.3

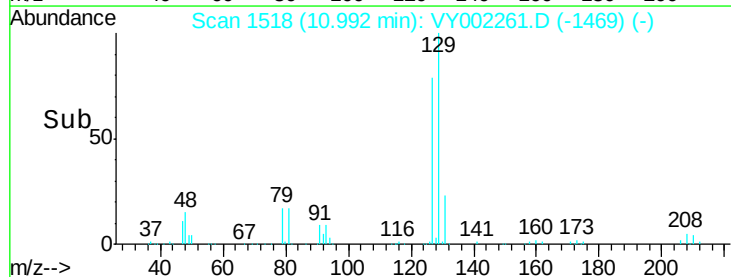
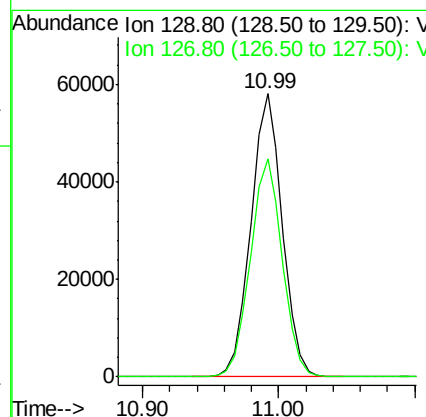
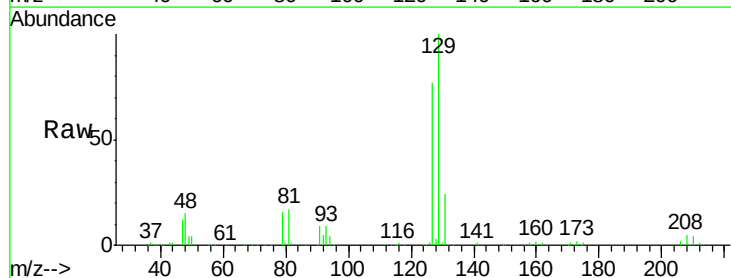
Manual Integrations
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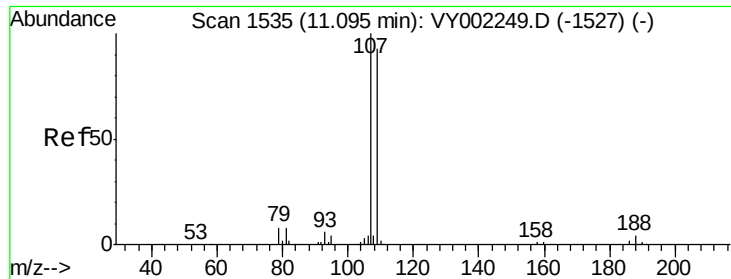
MMDadoda
4/9/2020 11:32:19 AM



#60
Dibromochloromethane
Concen: 49.509 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.0	117.0





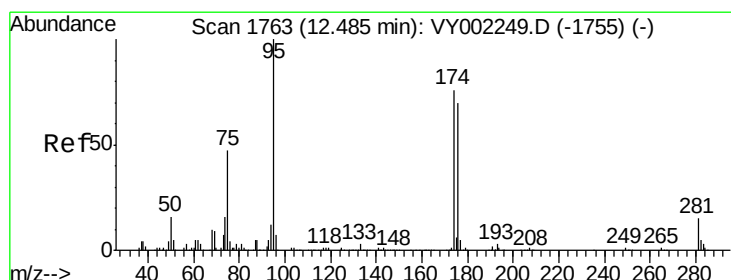
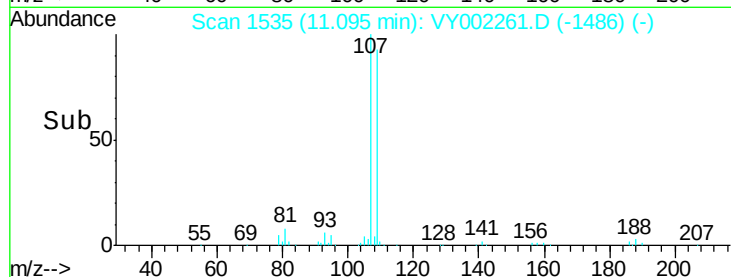
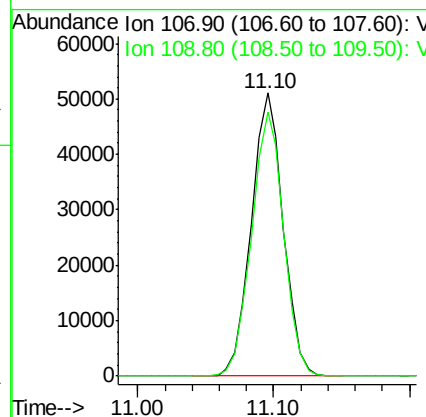
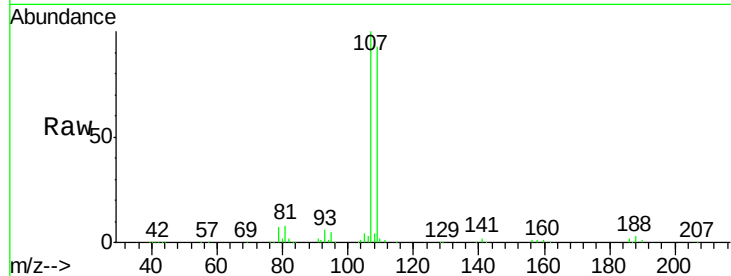
#61
 1,2-Dibromoethane
 Concen: 49.418 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.6	113.4

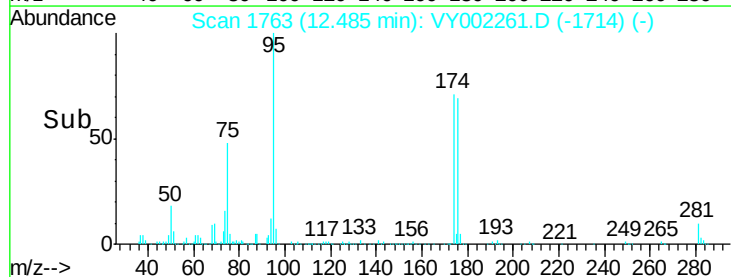
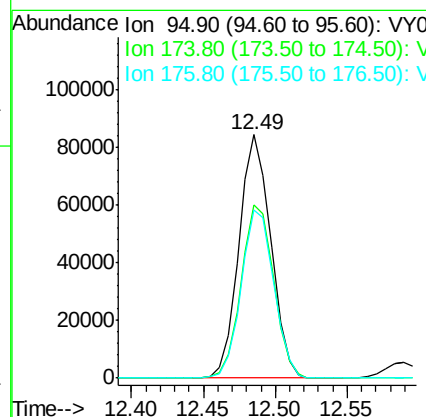
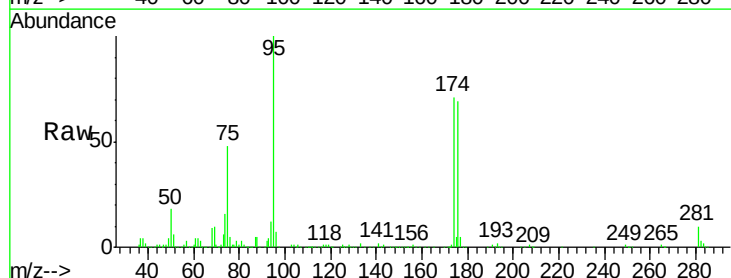
Manual Integrations
 APPROVED

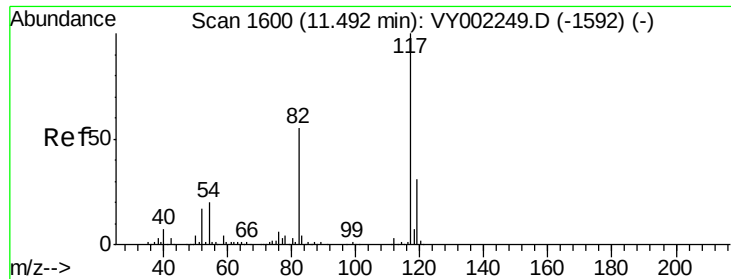
MMDadoda
 4/9/2020 11:32:19 AM



#62
 4-Bromofluorobenzene
 Concen: 50.596 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	150.6
176	70.3	0.0	141.4





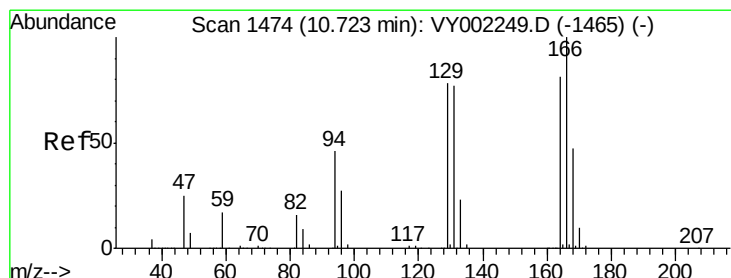
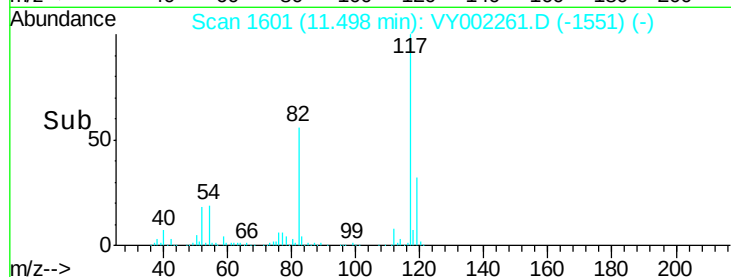
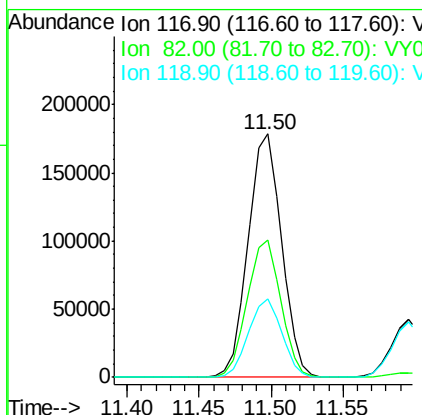
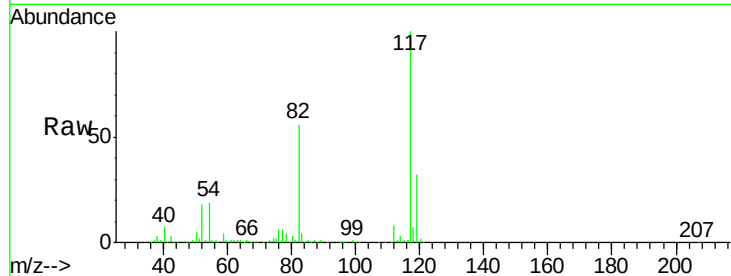
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286059		
82	56.2		44.2	66.4
119	32.0		25.1	37.7

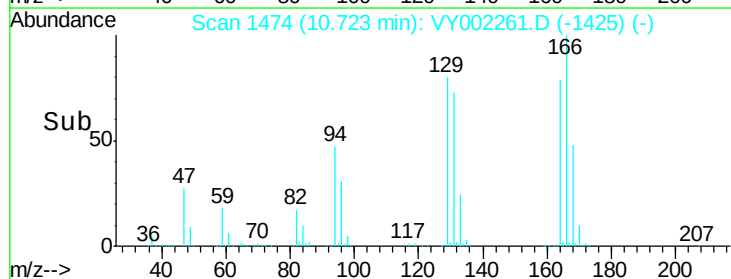
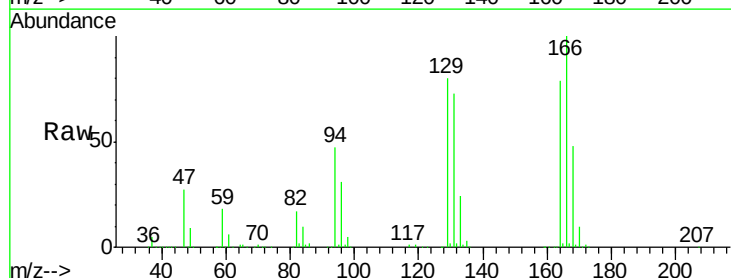
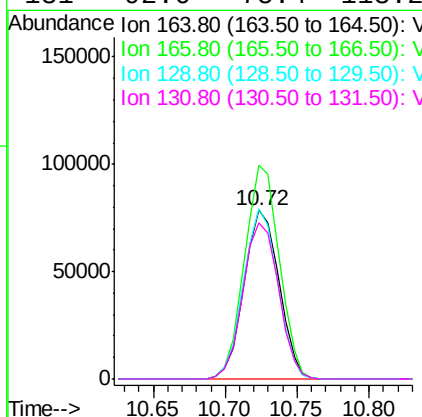
Manual Integrations
APPROVED

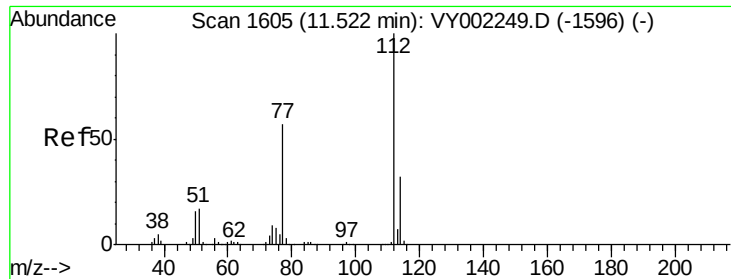
MMDadoda
4/9/2020 11:32:19 AM



#64
Tetrachloroethene
Concen: 45.704 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132181		
166	126.6		98.4	147.6
129	100.6		76.6	115.0
131	92.6		75.4	113.2





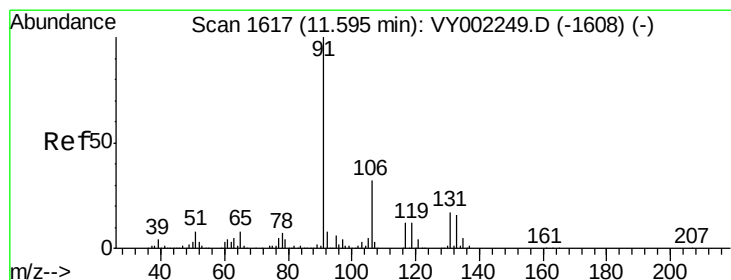
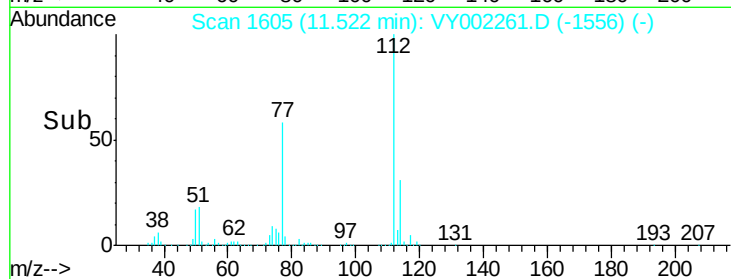
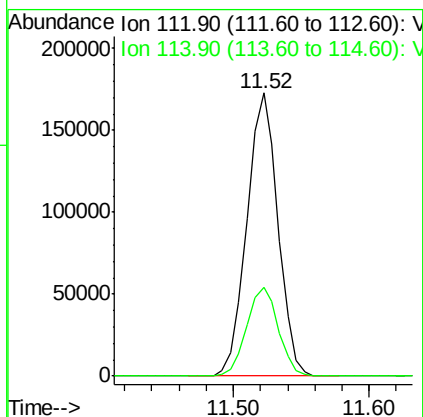
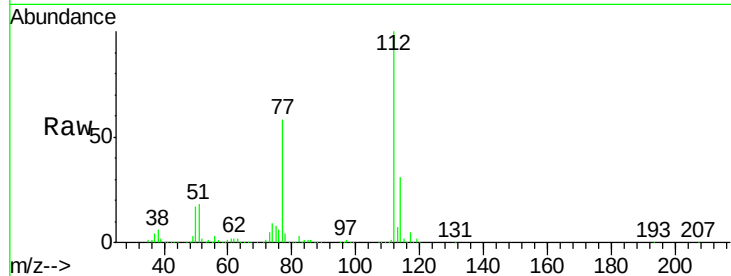
#65
Chlorobenzene
Concen: 46.453 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.6	38.4

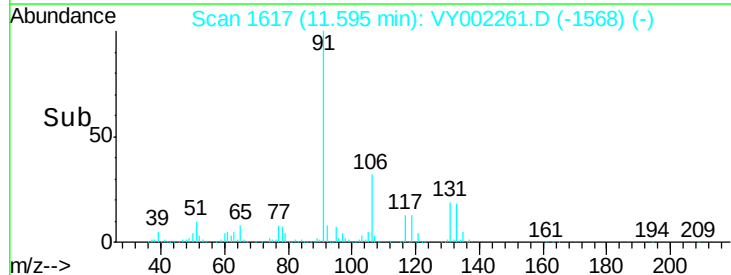
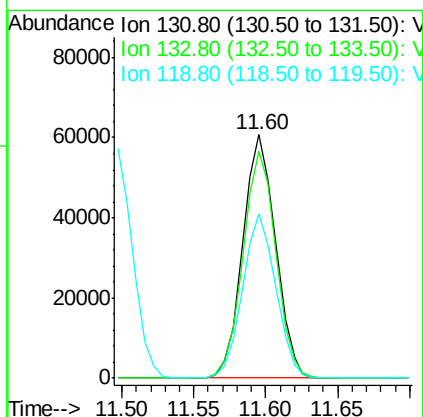
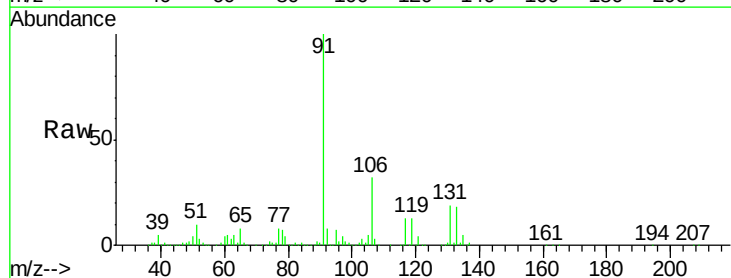
Manual Integrations
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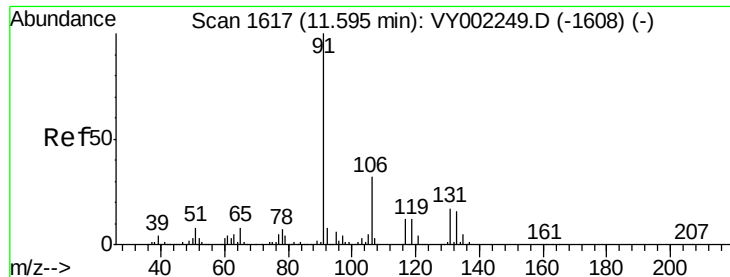
MMDadoda
4/9/2020 11:32:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.637 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	46.5	139.3
119	68.0	34.5	103.6





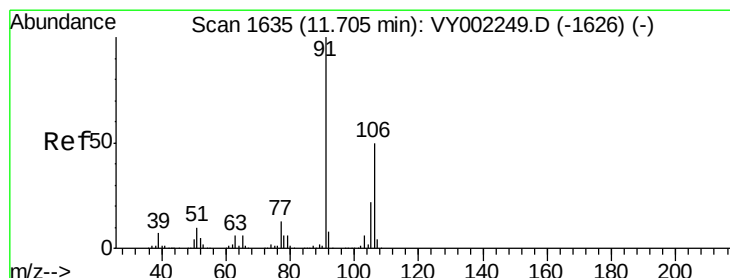
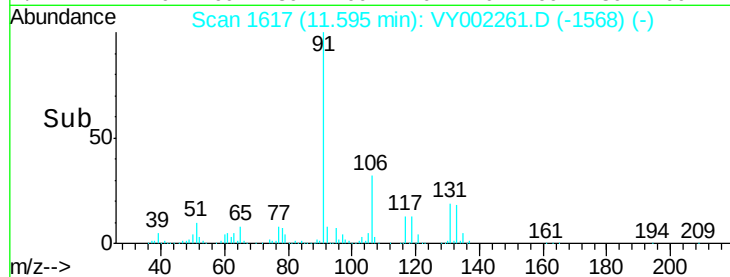
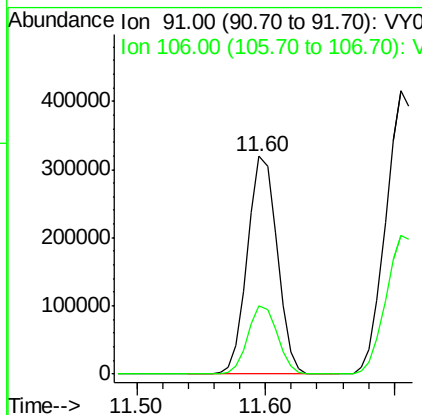
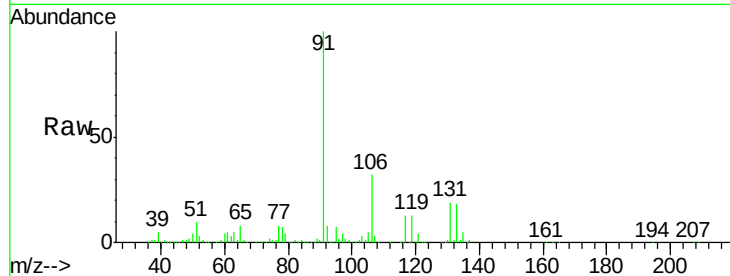
#67
Ethyl Benzene
Concen: 46.651 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 507839
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.0

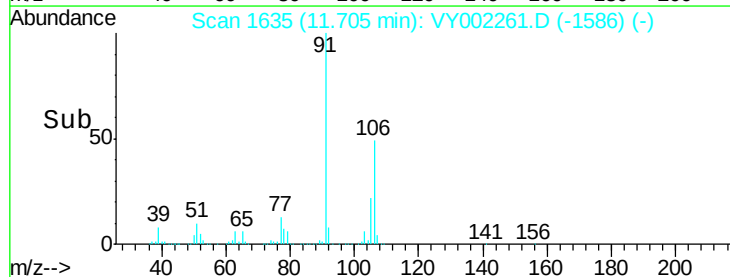
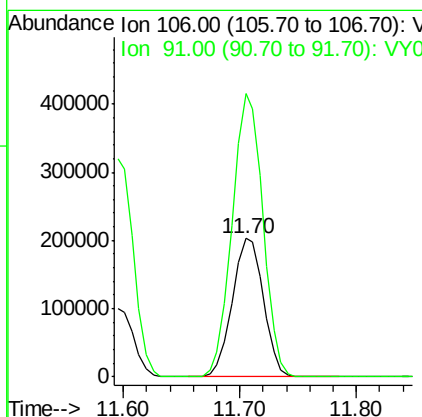
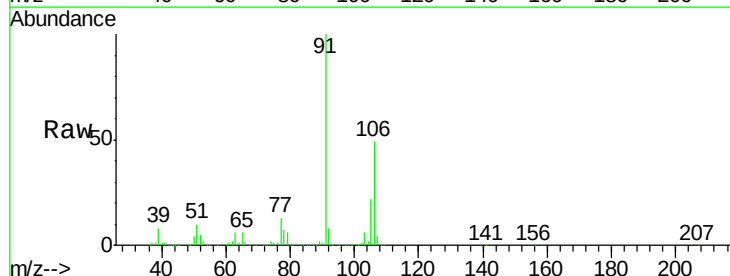
Manual Integrations
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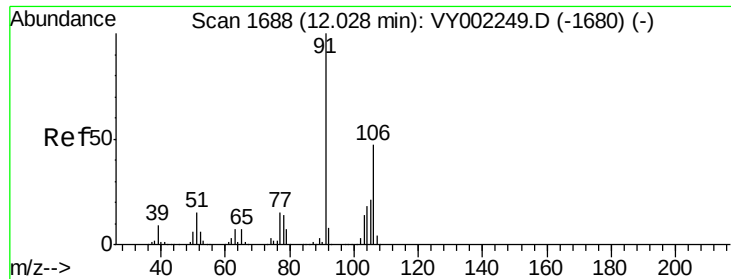
MMDadoda
4/9/2020 11:32:19 AM



#68
m/p-Xylenes
Concen: 92.822 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion: 106 Resp: 378456
Ion Ratio Lower Upper
106 100
91 201.0 159.8 239.6





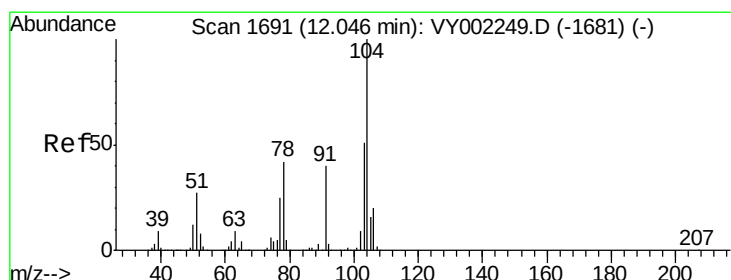
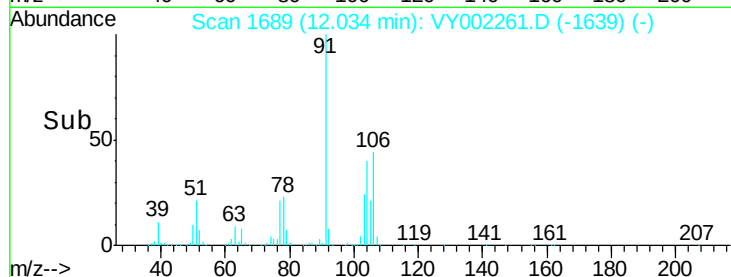
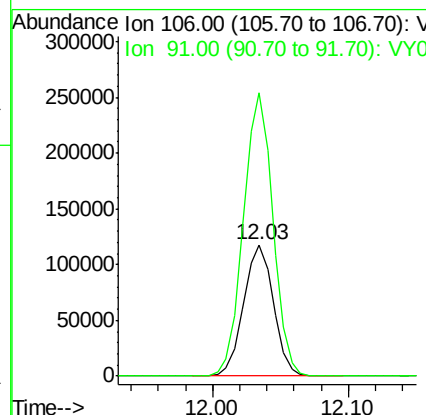
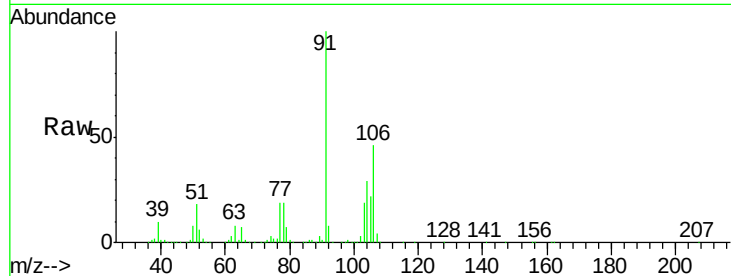
#69
o-Xylene
Concen: 47.042 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		180072		
91	213.6	105.8	317.3		

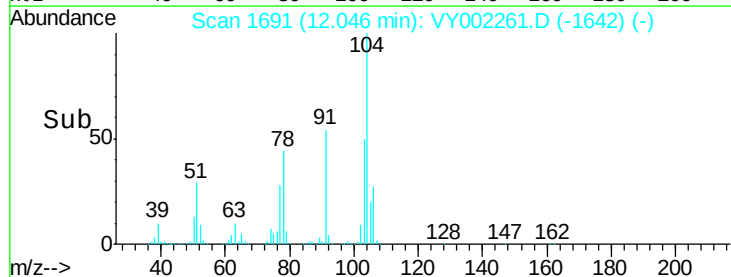
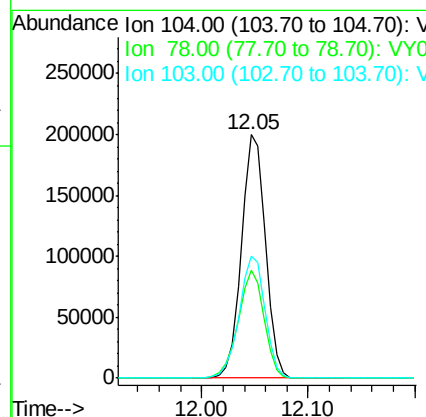
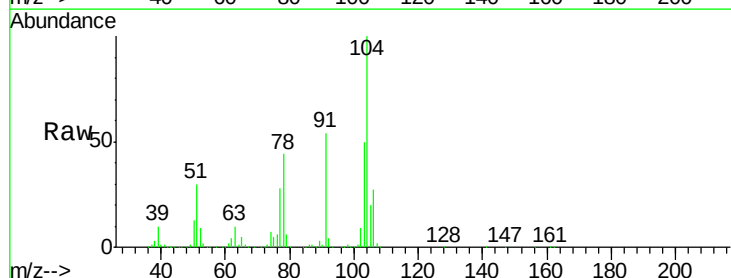
Manual Integrations
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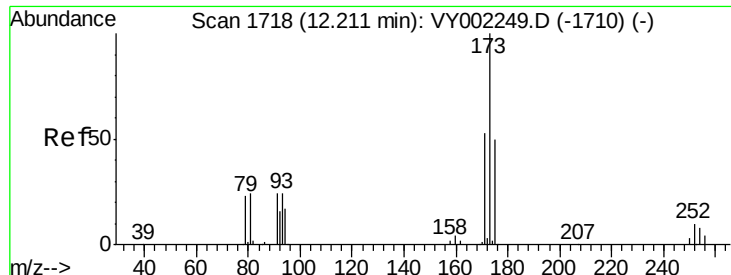
MMDadoda
4/9/2020 11:32:19 AM



#70
Styrene
Concen: 47.621 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		316254		
78	47.5	37.2	55.8		
103	53.9	43.4	65.0		





#71

Bromoform

Concen: 49.850 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 53222

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.3

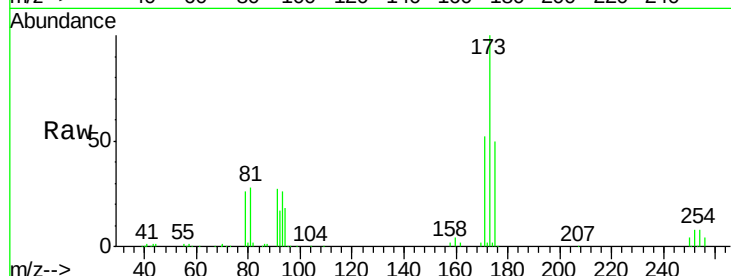
254 0.0 0.0 0.0

Manual Integrations

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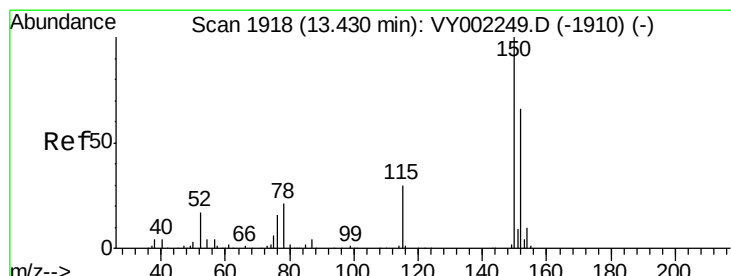
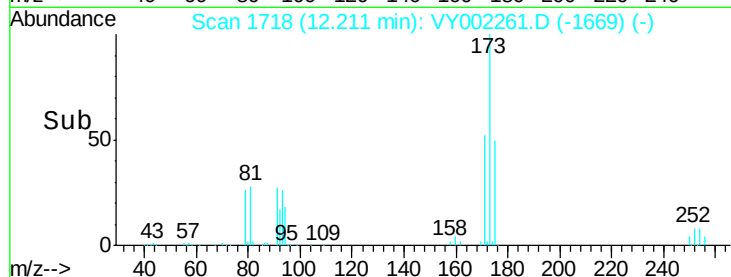
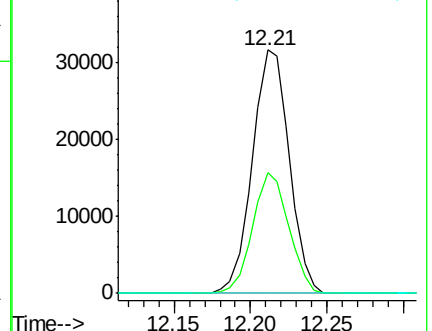
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

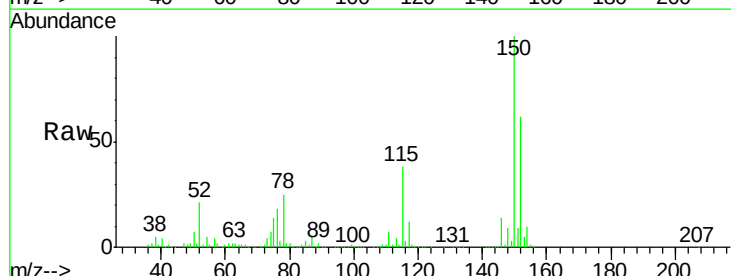
Tgt Ion:152 Resp: 131658

Ion Ratio Lower Upper

152 100

115 61.2 30.7 92.1

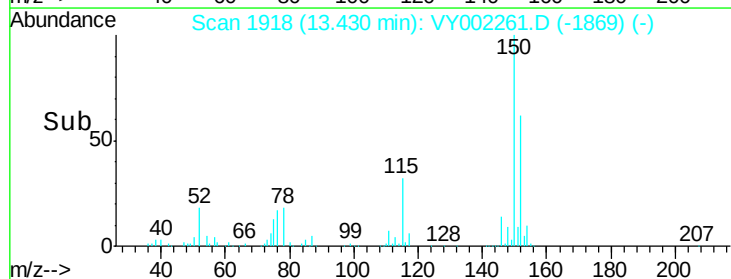
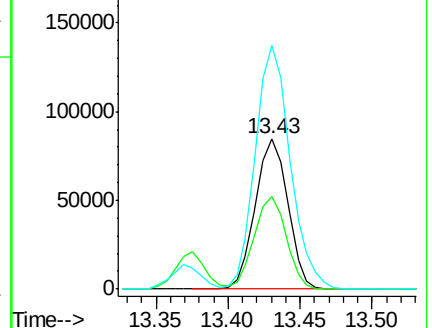
150 175.0 0.0 350.6

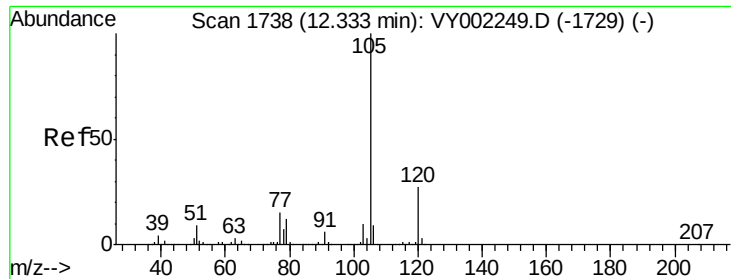


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.691 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 472591

Ion Ratio Lower Upper

105 100

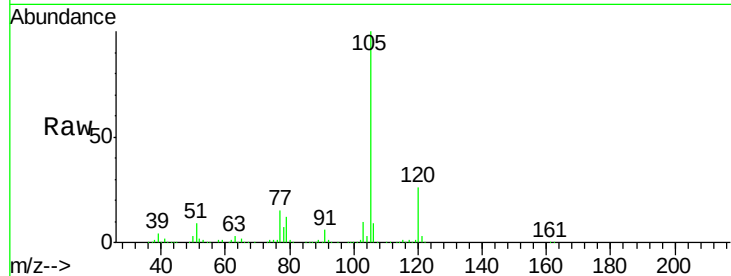
120 26.6 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

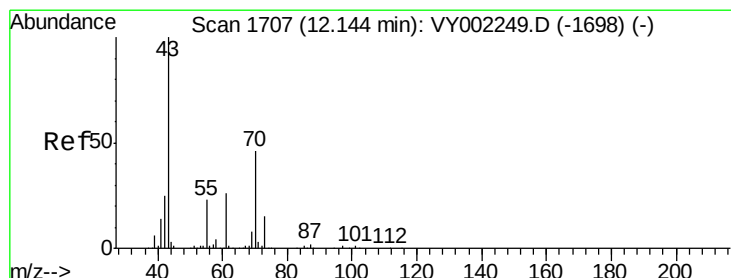
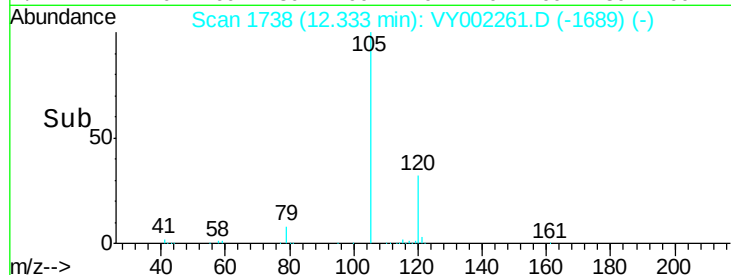
300000

200000

100000

0

Time--> 12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 51.067 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.01 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Tgt Ion: 43 Resp: 149934

Ion Ratio Lower Upper

43 100

70 45.7 37.5 56.3

55 23.6 19.0 28.6

61 26.4 21.6 32.4

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

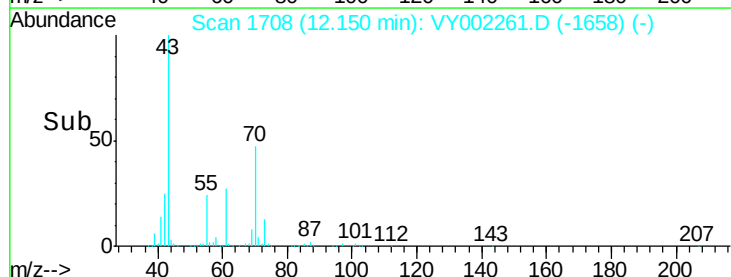
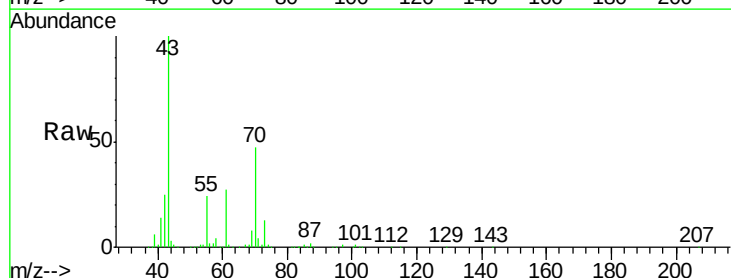
150000

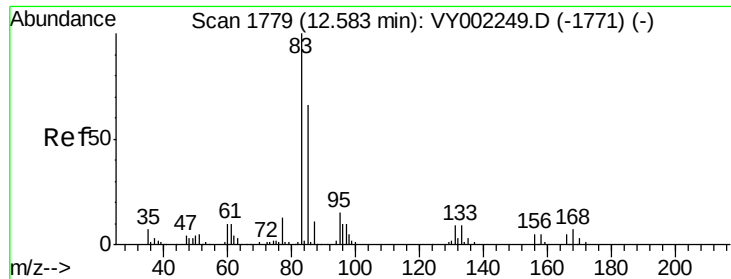
100000

50000

0

Time--> 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 48.235 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

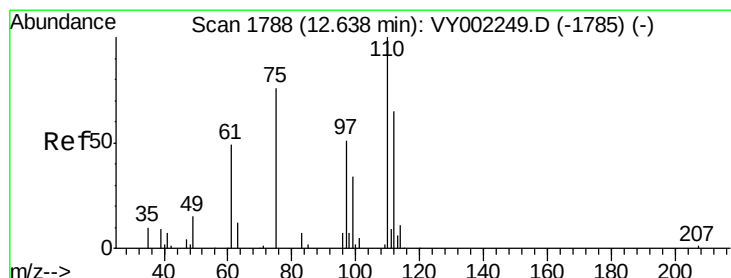
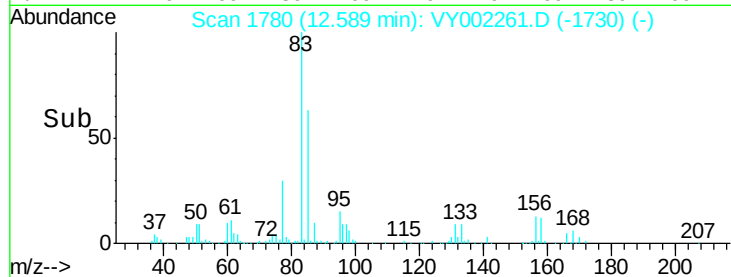
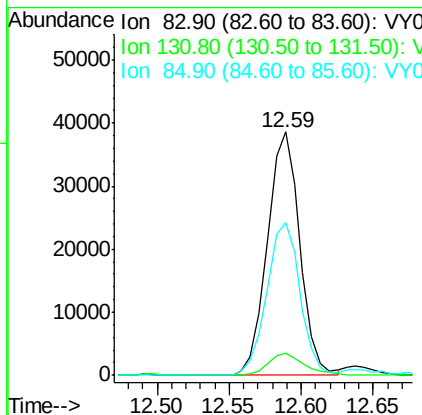
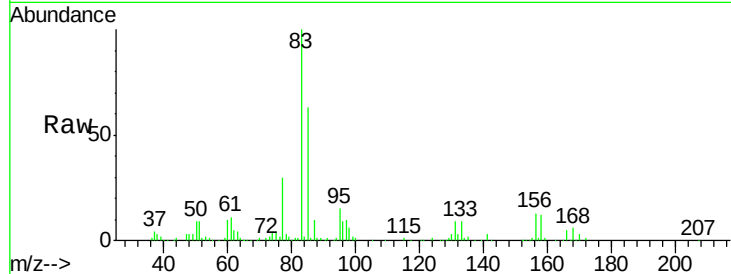
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	60361
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	64.6	32.6	97.8

Manual Integrations
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4/9/2020 11:32:19 AM



#76

1,2,3-Trichloropropane

Concen: 46.065 ug/l m

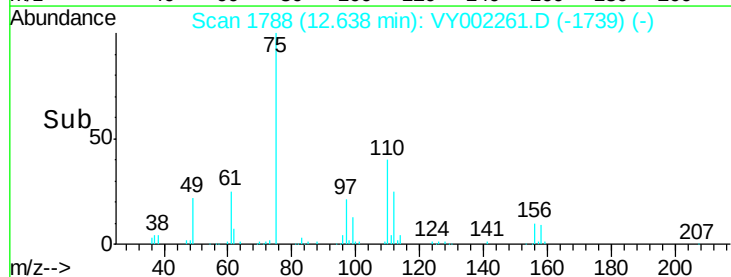
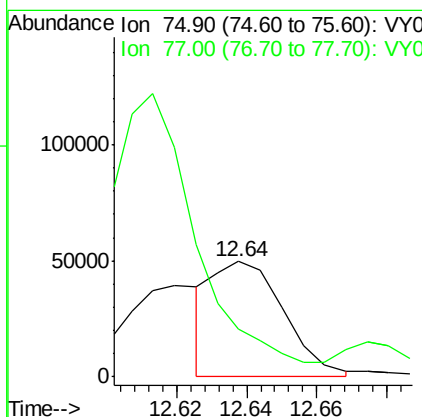
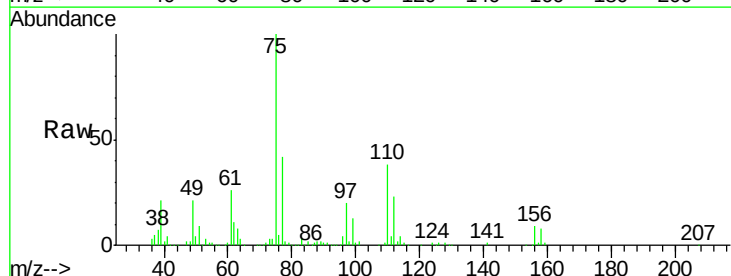
RT: 12.64 min Scan# 1788

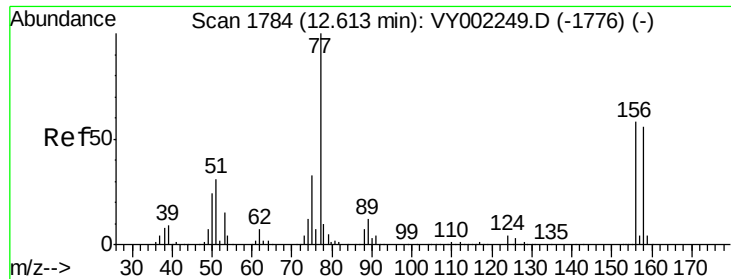
Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Tgt Ion:	75	Resp:	70426
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.545 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

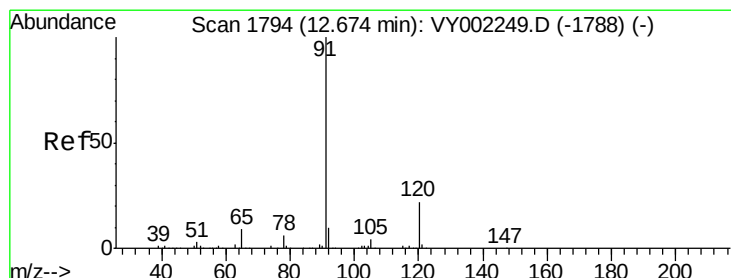
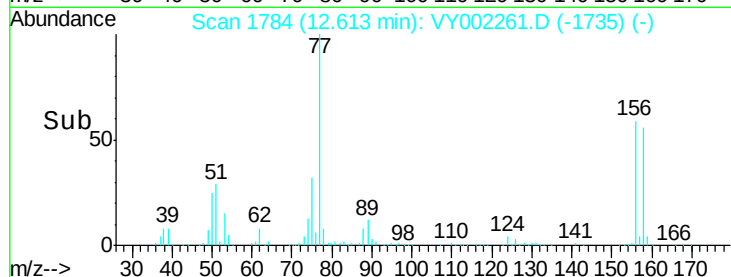
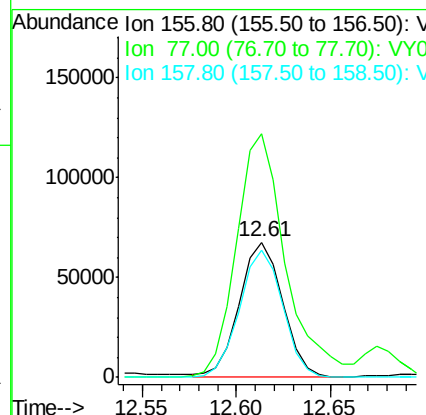
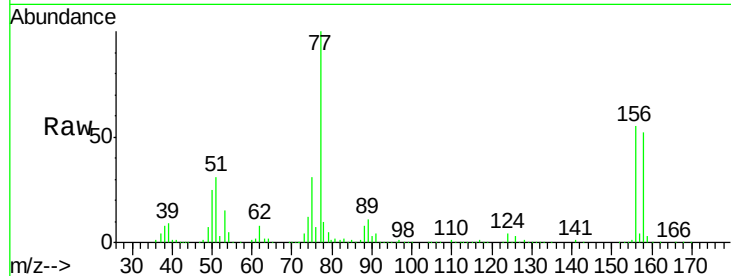
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	108193
Ion Ratio	Lower	Upper	
156	100		
77	205.0	101.3	303.9
158	93.4	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 45.156 ug/l

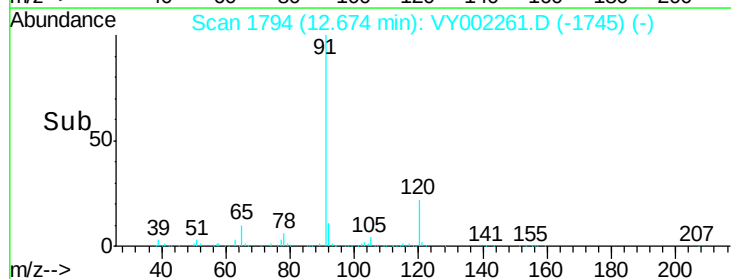
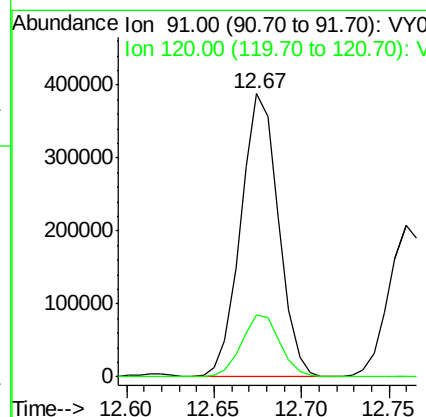
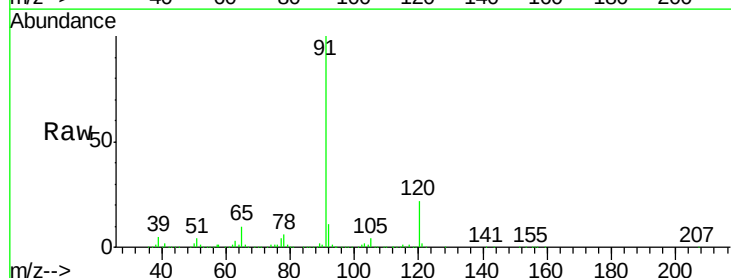
RT: 12.67 min Scan# 1794

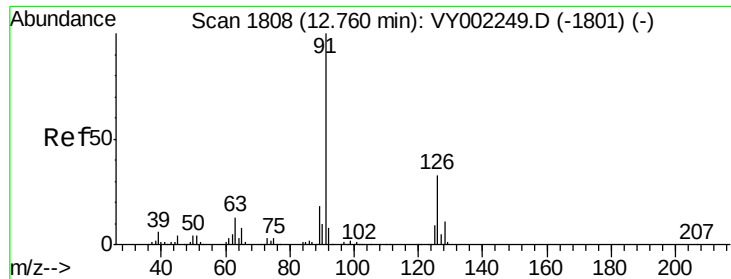
Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Tgt Ion:	91	Resp:	580880
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.2	33.5





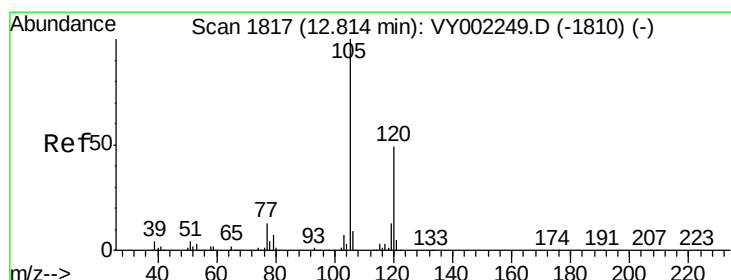
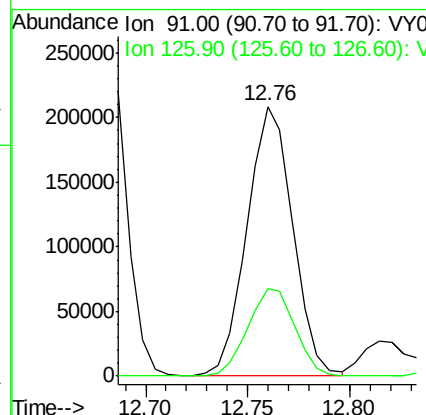
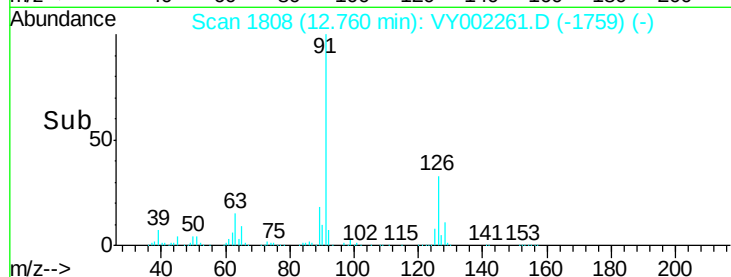
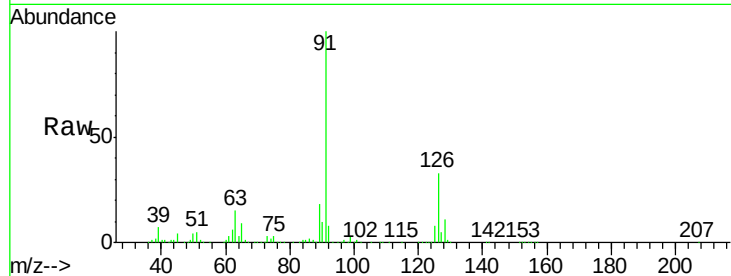
#79
2-Chlorotoluene
Concen: 46.435 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 324619
Ion Ratio Lower Upper
91 100
126 33.5 16.9 50.7

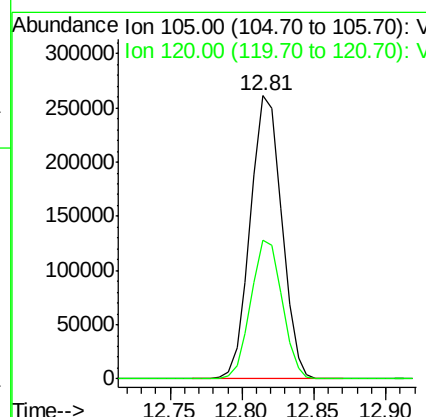
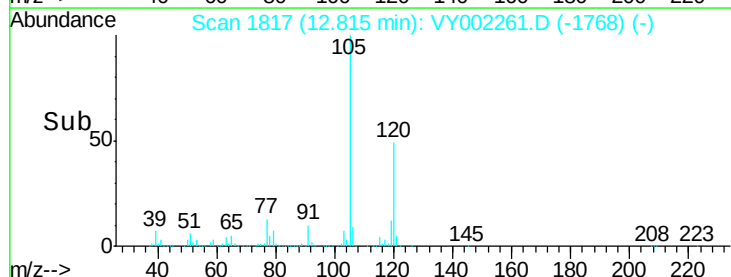
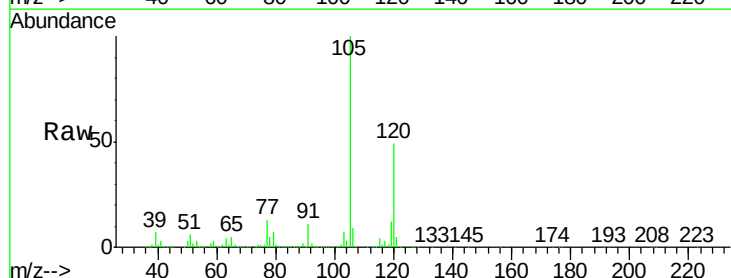
Manual Integrations
APPROVED

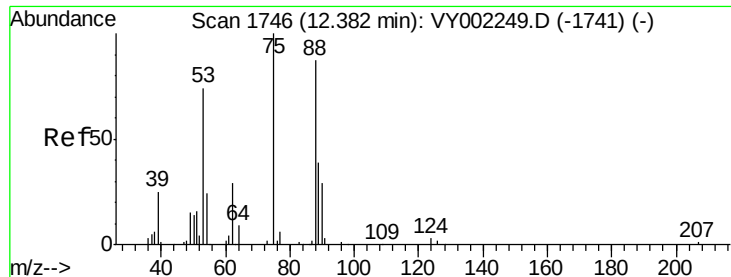
MMDadoda
4/9/2020 11:32:19 AM



#80
1,3,5-Trimethylbenzene
Concen: 46.015 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion: 105 Resp: 393621
Ion Ratio Lower Upper
105 100
120 48.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 48.067 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

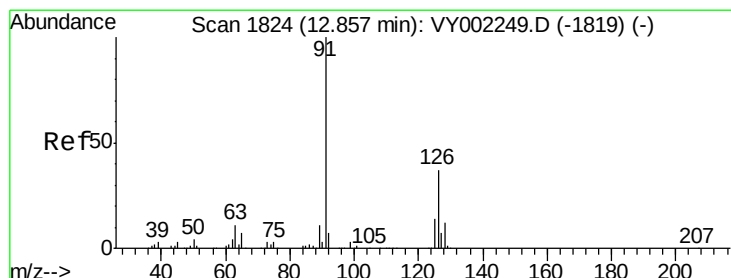
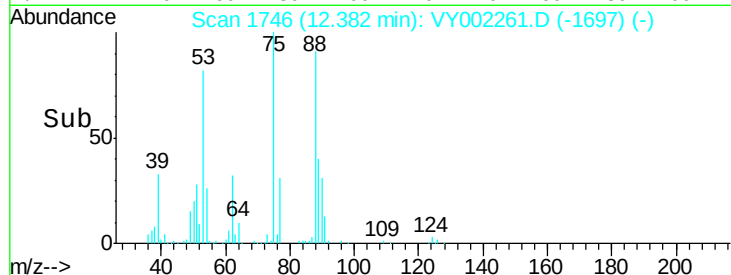
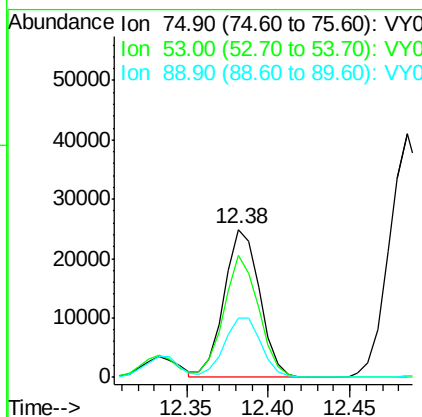
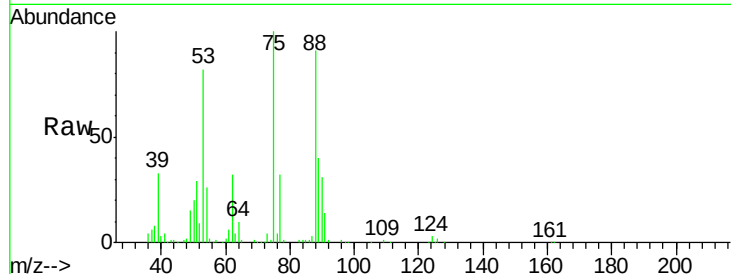
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	37783
Ion	Ratio	Lower	Upper
75	100		
53	79.6	59.8	89.8
89	41.5	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.653 ug/l

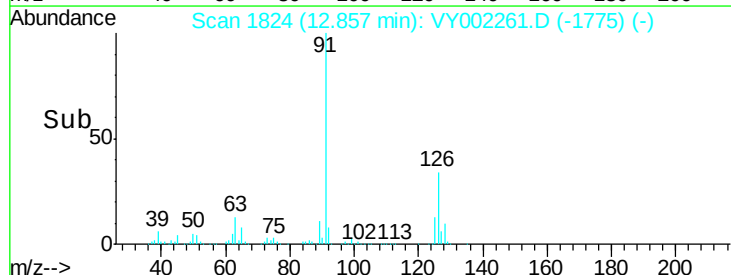
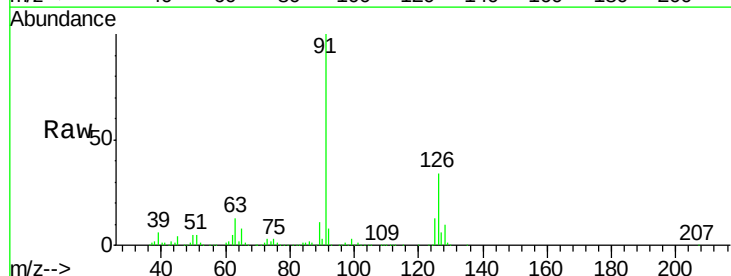
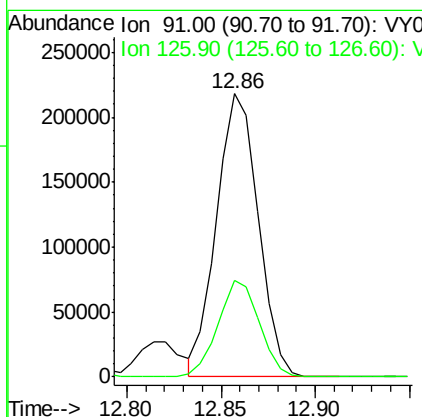
RT: 12.86 min Scan# 1824

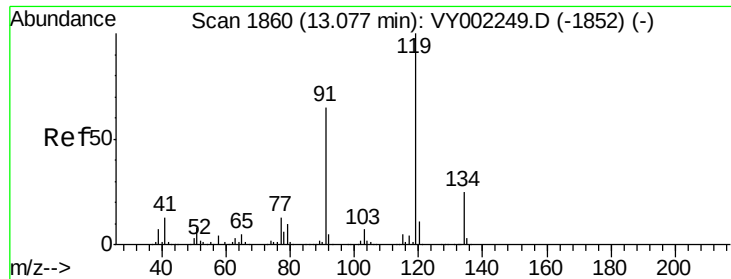
Delta R.T. 0.00 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Tgt Ion:	91	Resp:	334507
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.7





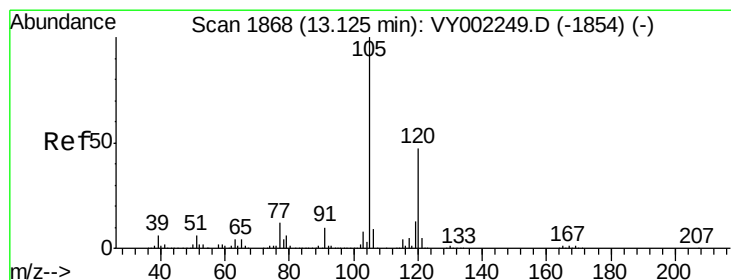
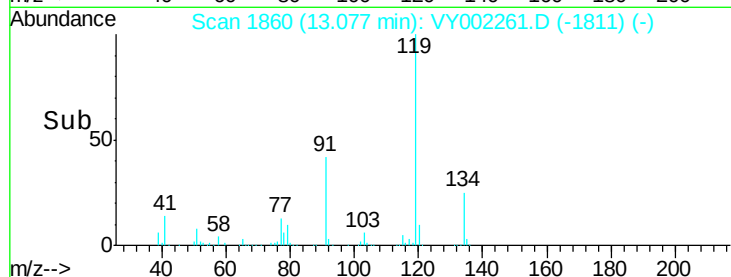
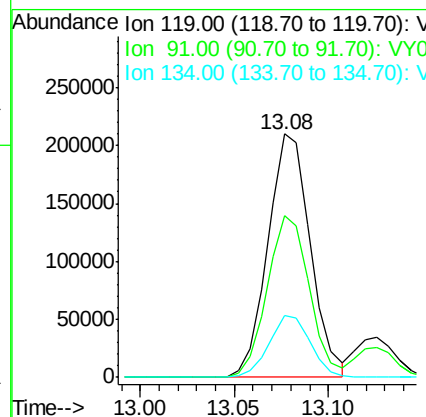
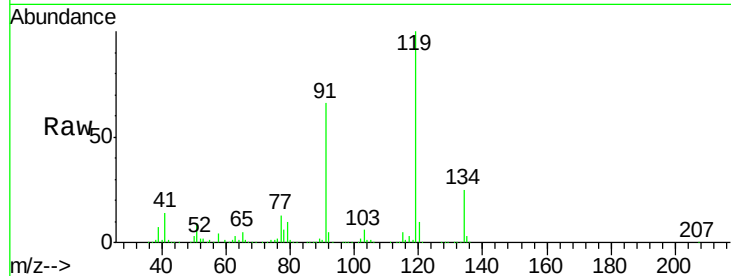
#83
 tert-Butylbenzene
 Concen: 45.759 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	32.4	97.0
134	24.9	12.6	37.6

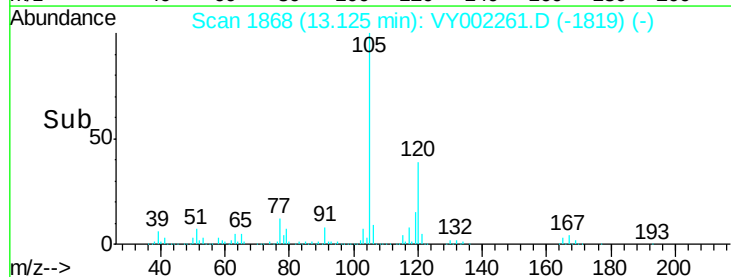
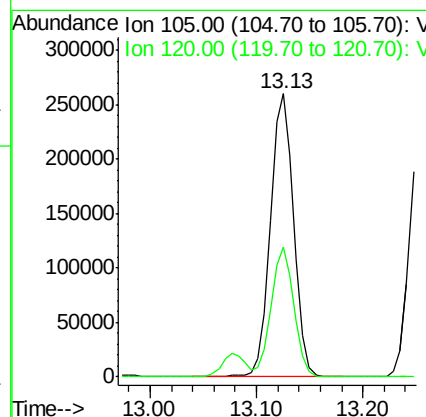
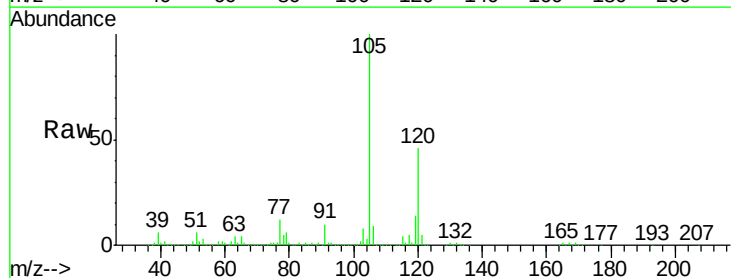
Manual Integrations
 APPROVED

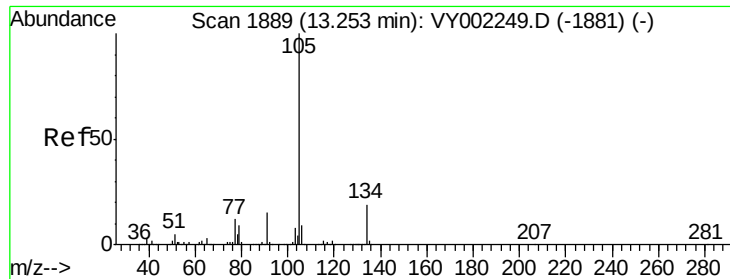
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.377 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 45.233 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 482810

Ion Ratio Lower Upper

105 100

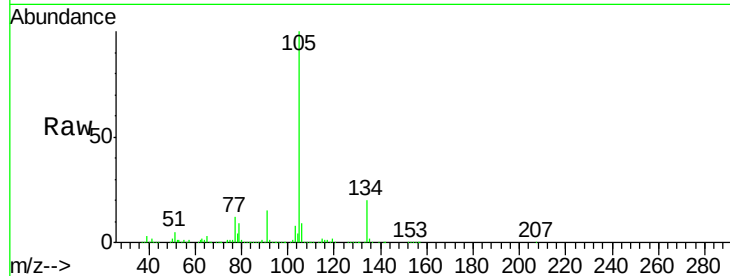
134 19.5 9.8 29.3

Manual Integrations

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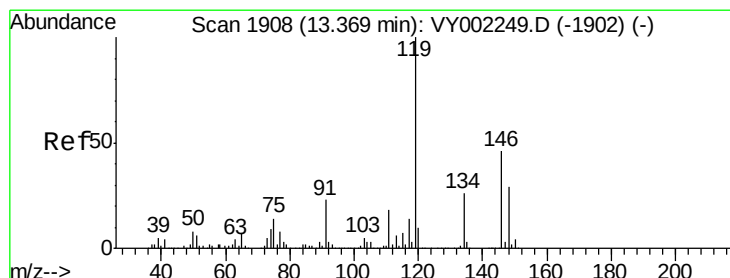
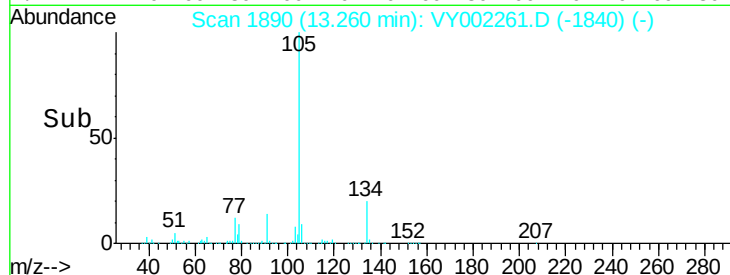
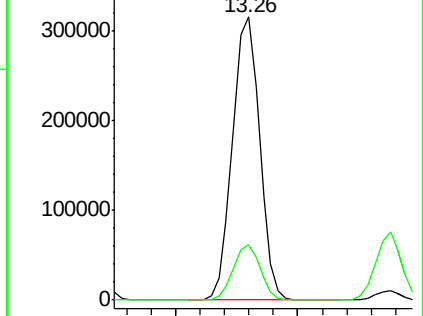
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.583 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002261.D

Acq: 08 Apr 2020 19:31

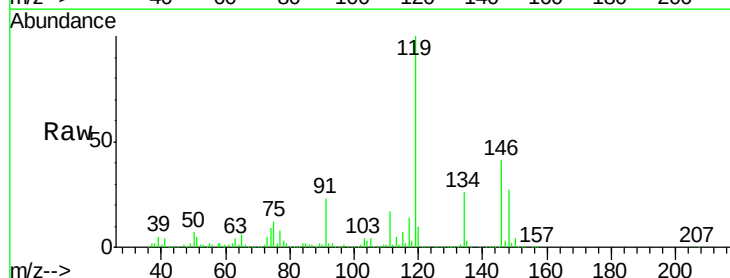
Tgt Ion:119 Resp: 418755

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

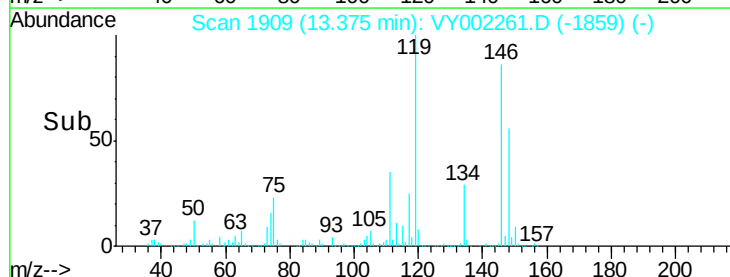
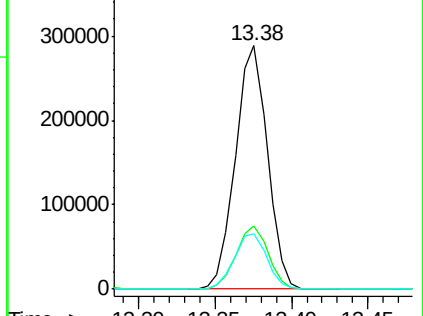
91 23.3 11.5 34.4

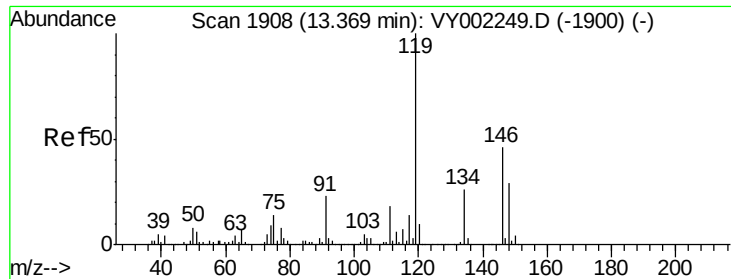


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





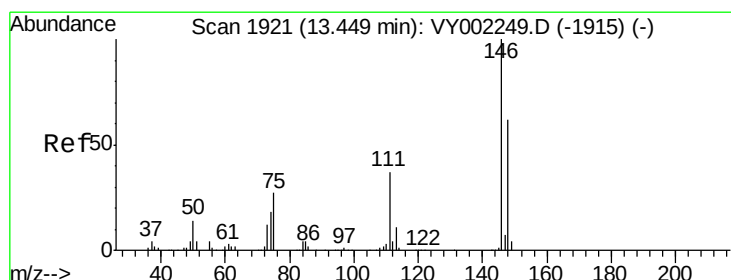
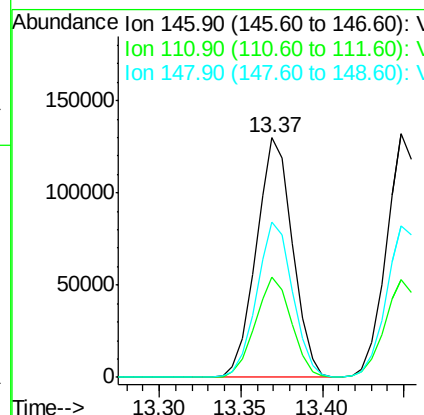
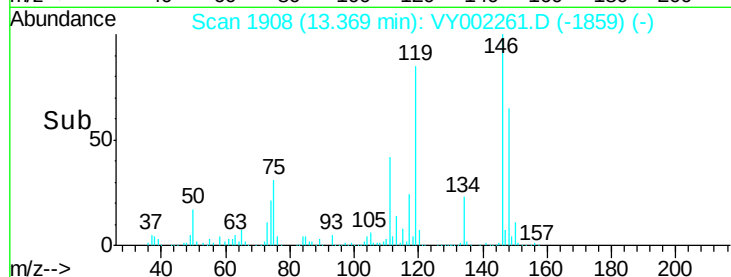
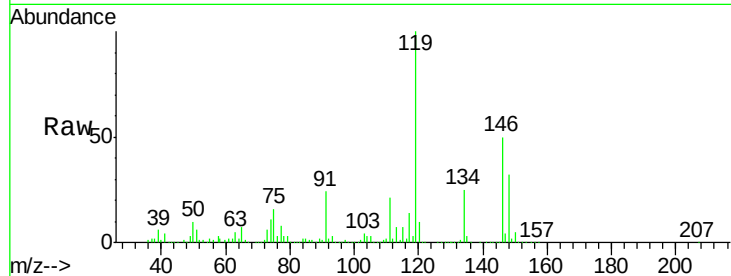
#87
 1,3-Dichlorobenzene
 Concen: 45.506 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	200687		
111	41.5	20.3	60.8	
148	64.1	32.1	96.3	

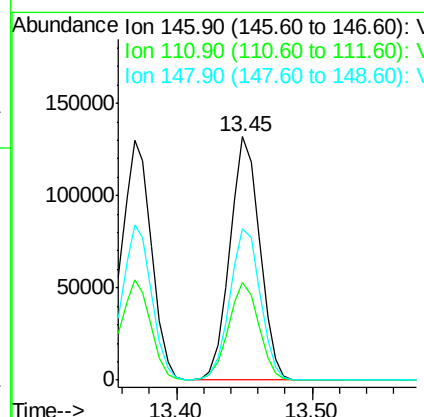
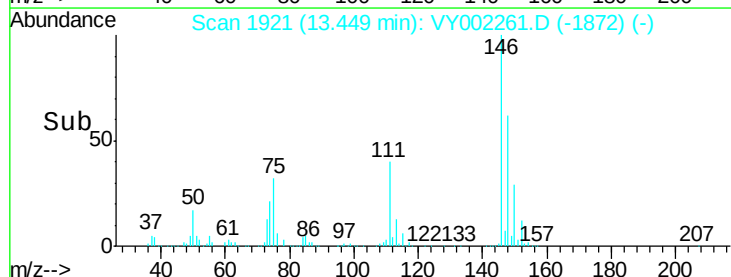
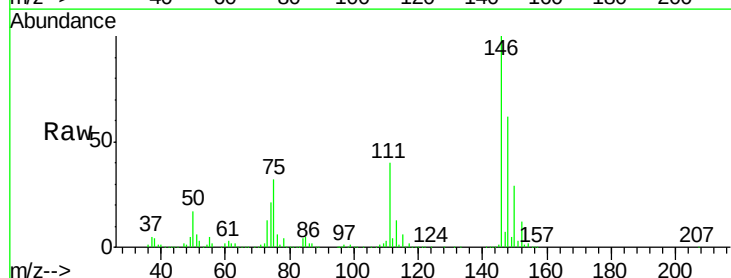
Manual Integrations
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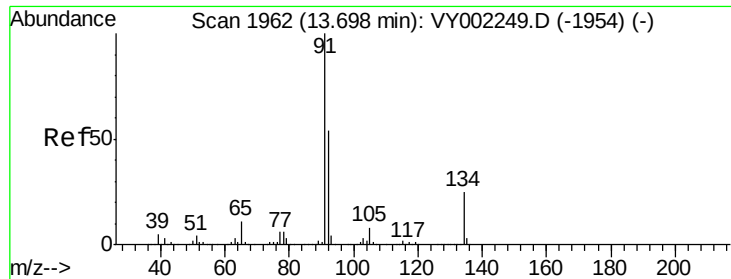
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#88
 1,4-Dichlorobenzene
 Concen: 44.985 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	201383		
111	40.8	19.6	58.8	
148	63.5	32.0	96.0	





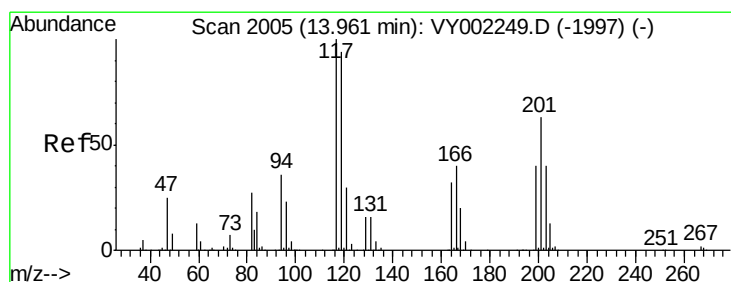
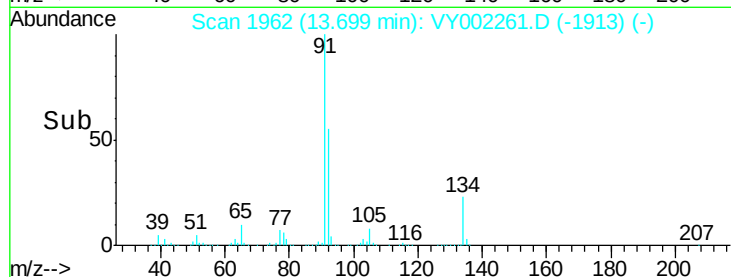
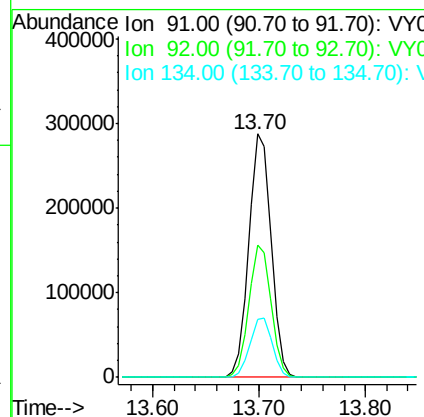
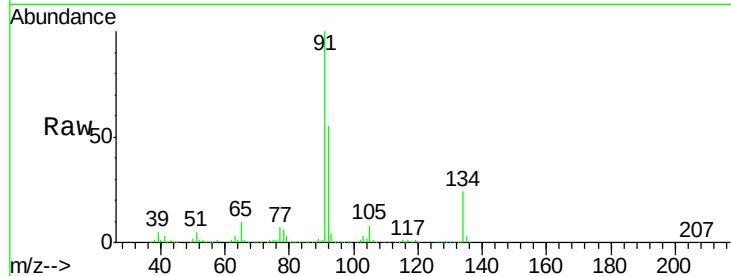
#89
n-Butylbenzene
Concen: 45.125 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.2	81.6	
134	24.6	12.7	38.0	

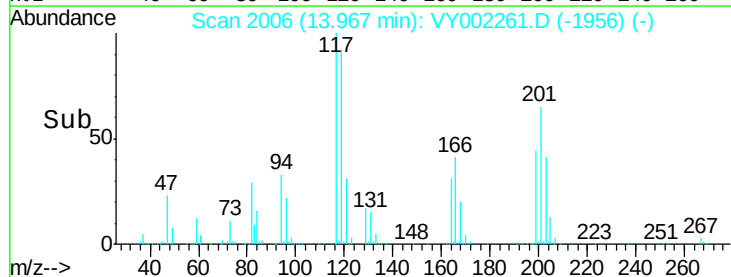
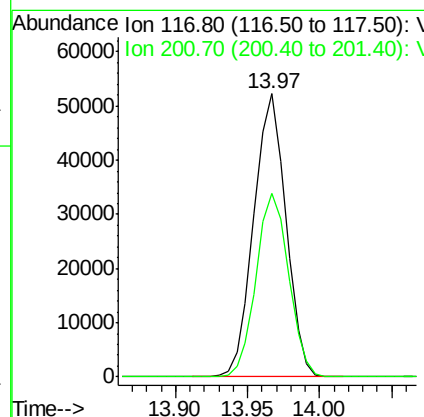
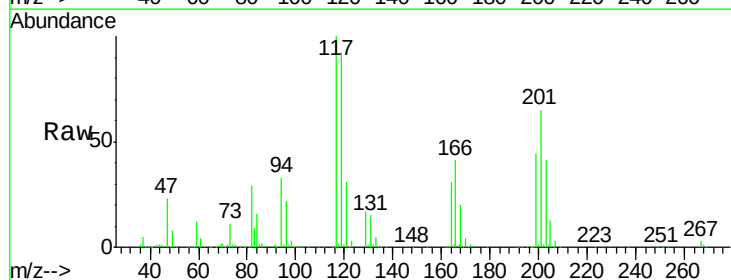
Manual Integrations
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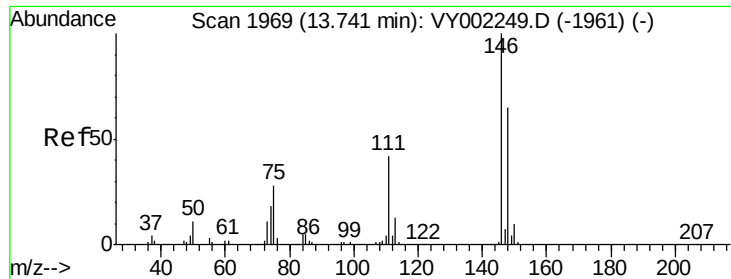
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#90
Hexachloroethane
Concen: 46.115 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.7	33.1	99.2	





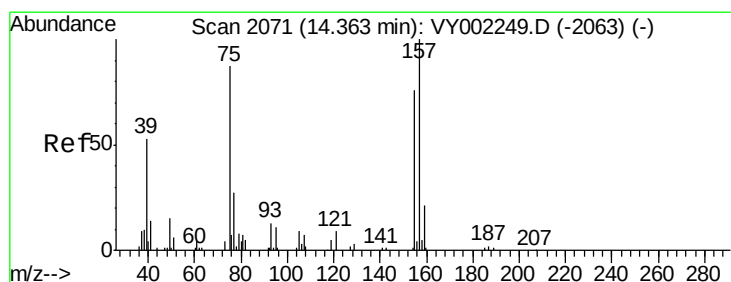
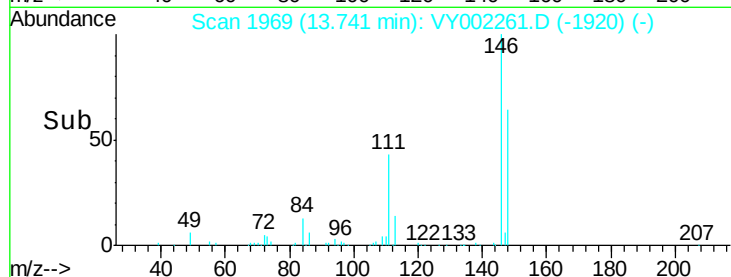
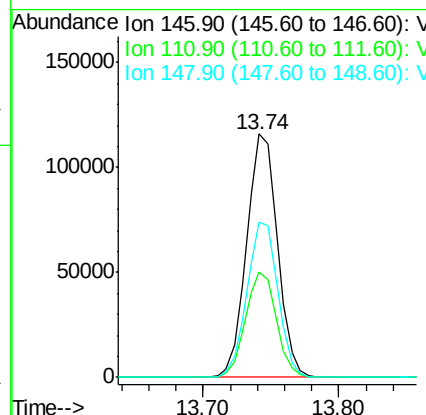
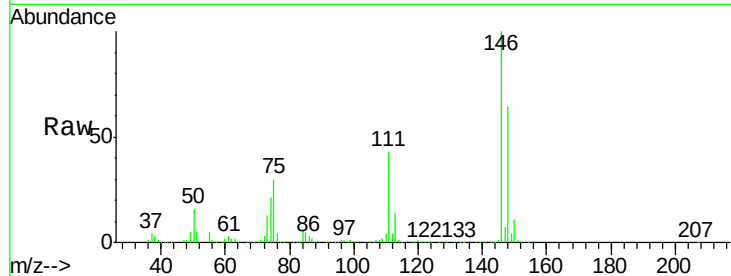
#91
 1,2-Dichlorobenzene
 Concen: 45.879 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.1
148	64.3	31.9	95.9

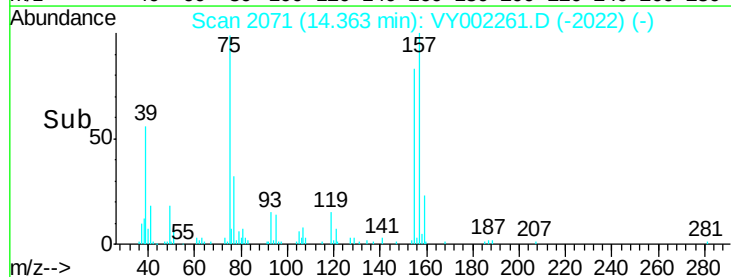
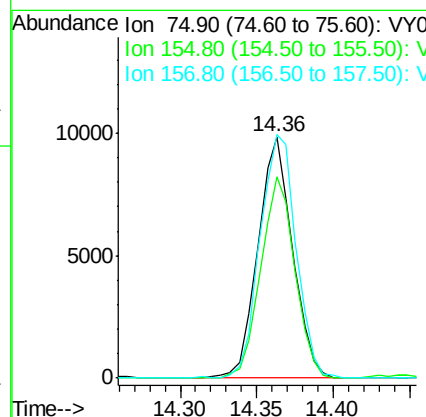
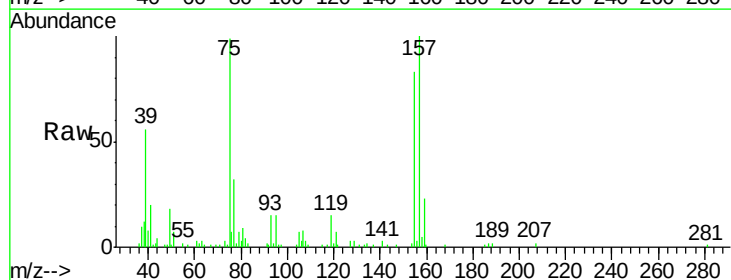
Manual Integrations
 APPROVED

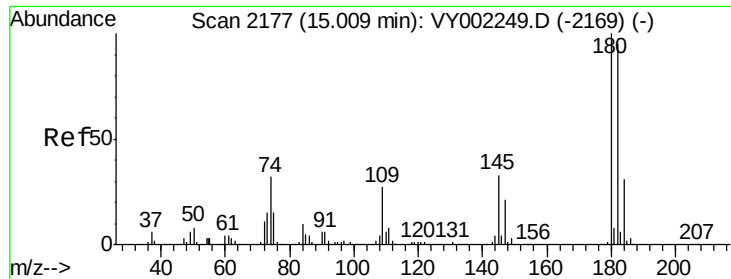
MMDadoda
 4/9/2020 11:32:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.147 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	43.6	130.8
157	105.3	56.0	168.2





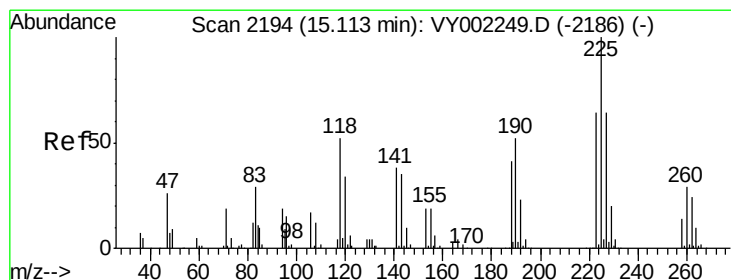
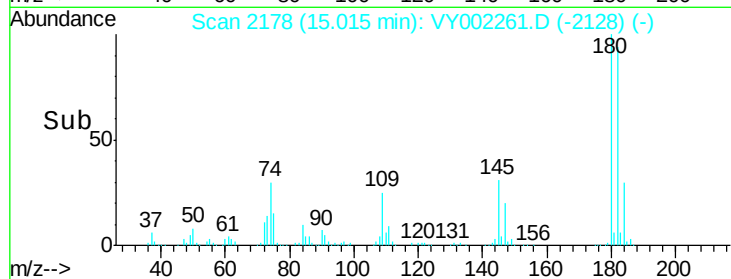
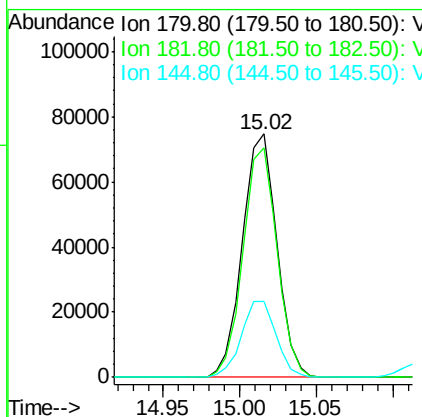
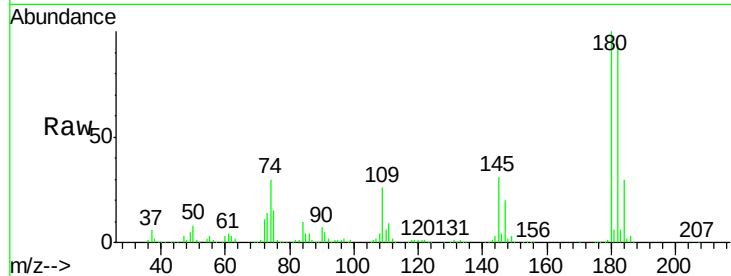
#93
 1,2,4-Trichlorobenzene
 Concen: 44.666 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116995		
182	93.2	47.9	143.7	
145	31.7	16.0	48.0	

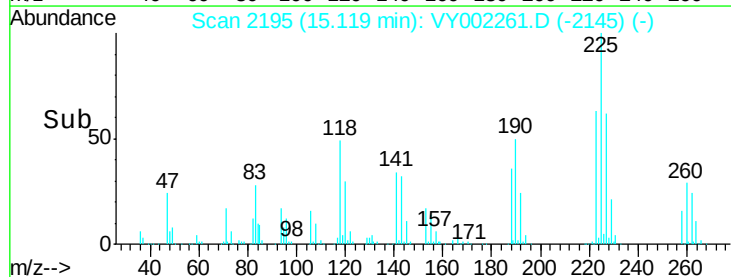
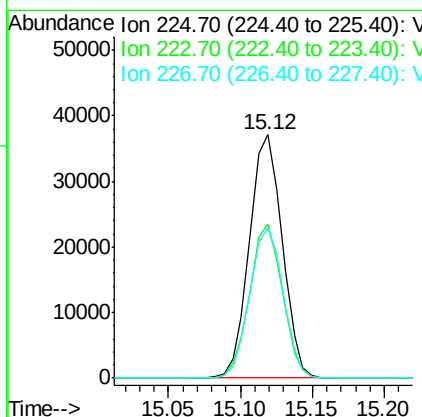
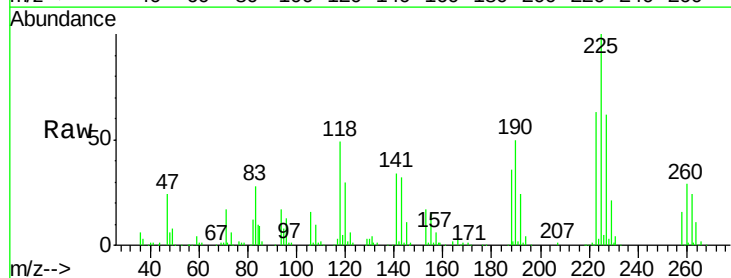
Manual Integrations
 APPROVED

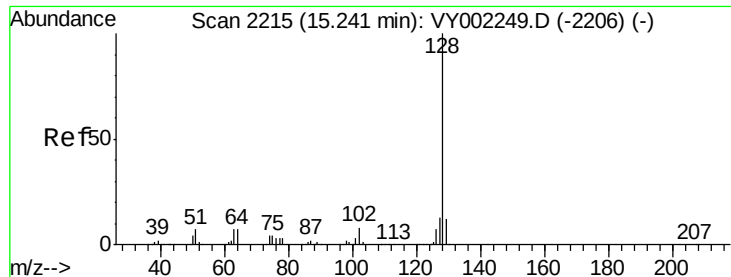
MMDadoda
 4/9/2020 11:32:19 AM



#94
 Hexachlorobutadiene
 Concen: 44.225 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY002261.D
 Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58344		
223	63.4	31.0	93.0	
227	63.1	31.3	93.9	





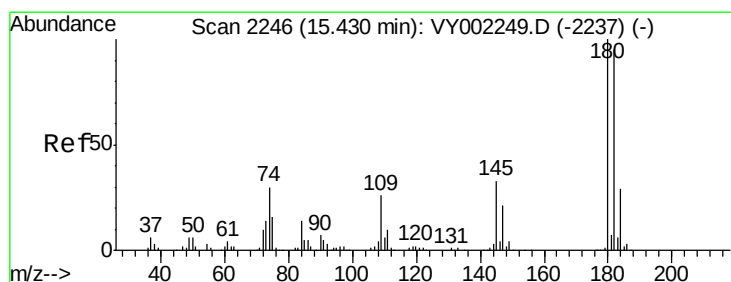
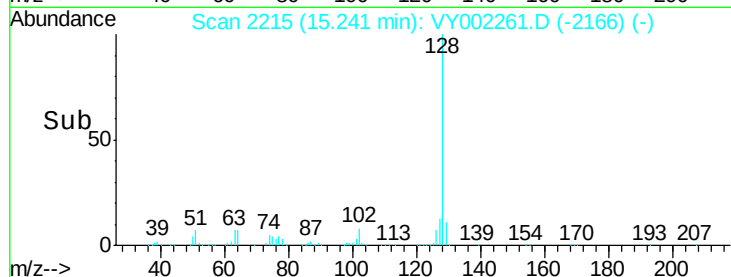
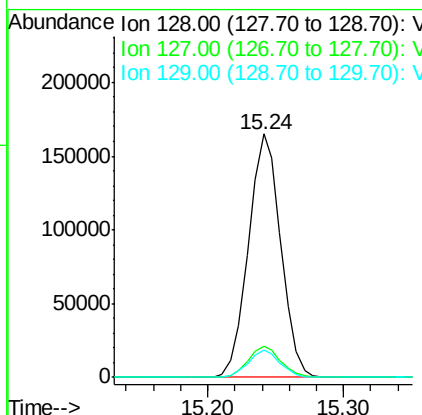
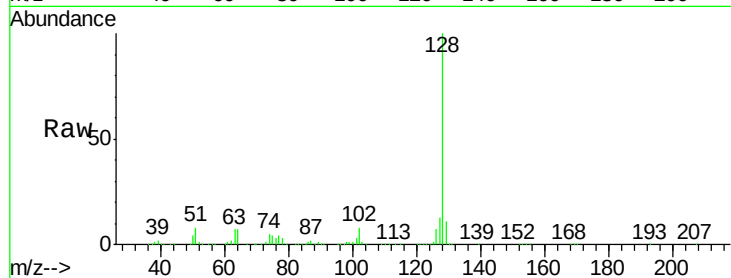
#95
Naphthalene
Concen: 47.858 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/9/2020 11:32:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 44.084 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY002261.D
Acq: 08 Apr 2020 19:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.1	141.3
145	34.4	16.7	50.1

