

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012720\
 Data File : VY001411.D
 Acq On : 27 Jan 2020 17:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 3:40:34 PM

Quant Time: Jan 27 22:19:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	194683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	344355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	310731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	150788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	107710	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.75	113	99576	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.19	98	404812	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.49	95	153441	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	73138	47.638	ug/l	96
3) Chloromethane	2.12	50	111353	47.989	ug/l	97
4) Vinyl Chloride	2.26	62	113349	46.848	ug/l	94
5) Bromomethane	2.66	94	75015	46.036	ug/l	98
6) Chloroethane	2.81	64	74130	47.948	ug/l	97
7) Trichlorofluoromethane	3.15	101	153130	49.466	ug/l	97
8) Diethyl Ether	3.55	74	63835	48.848	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	99309	50.374	ug/l	100
10) Methyl Iodide	4.11	142	126035	48.472	ug/l	100
11) Tert butyl alcohol	4.99	59	60588	225.604	ug/l	100
12) 1,1-Dichloroethene	3.90	96	99716	48.241	ug/l	96
13) Acrolein	3.76	56	39346	250.437	ug/l	99
14) Allyl chloride	4.51	41	180318	48.917	ug/l	100
15) Acrylonitrile	5.20	53	167698	250.700	ug/l	99
16) Acetone	3.97	43	160247	288.315	ug/l	99
17) Carbon Disulfide	4.22	76	298838	45.969	ug/l	100
18) Methyl Acetate	4.50	43	84682	47.402	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	296612	49.008	ug/l	100
20) Methylene Chloride	4.75	84	117994	44.652	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	113924	47.447	ug/l	99
22) Diisopropyl ether	6.15	45	381165	48.695	ug/l	97
23) Vinyl Acetate	6.10	43	1246009	245.195	ug/l	100
24) 1,1-Dichloroethane	6.05	63	202070	48.976	ug/l	98
25) 2-Butanone	7.02	43	233808	253.573	ug/l	99
26) 2,2-Dichloropropane	7.01	77	171795	46.745	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	130518	48.639	ug/l	100
28) Bromochloromethane	7.36	49	92745	54.508	ug/l	98
29) Tetrahydrofuran	7.38	42	148538	247.614	ug/l	99
30) Chloroform	7.53	83	196161	48.506	ug/l	98
31) Cyclohexane	7.81	56	189663	46.300	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	165833	48.565	ug/l	100
36) 1,1-Dichloropropene	7.94	75	158377	48.682	ug/l	99
37) Ethyl Acetate	7.11	43	100037	50.329	ug/l	98
38) Carbon Tetrachloride	7.93	117	140660	48.513	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	203006	48.710	ug/l	97
40) Benzene	8.19	78	476617	48.860	ug/l	99
41) Methacrylonitrile	7.35	41	53938m	52.586	ug/l	
42) 1,2-Dichloroethane	8.27	62	134199	49.236	ug/l	100
43) Isopropyl Acetate	8.30	43	191492	49.545	ug/l	99
44) Trichloroethene	8.96	130	120305	48.061	ug/l	100
45) 1,2-Dichloropropane	9.24	63	121749	49.372	ug/l	97
46) Dibromomethane	9.33	93	64462	48.693	ug/l	99
47) Bromodichloromethane	9.52	83	156782	49.541	ug/l	99
48) Methyl methacrylate	9.31	41	88264	50.234	ug/l	99
49) 1,4-Dioxane	9.32	88	18910	1012.914	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	503034	252.728	ug/l	100
52) Toluene	10.26	92	301443	48.749	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	175399	50.003	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	198618	49.332	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	97376	49.835	ug/l	99
56) Ethyl methacrylate	10.52	69	148269	50.205	ug/l	98
57) 1,3-Dichloropropane	10.80	76	170123	49.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	227952	223.057	ug/l	98
59) 2-Hexanone	10.85	43	364749	263.229	ug/l	99
60) Dibromochloromethane	11.00	129	108122	49.474	ug/l	99
61) 1,2-Dibromoethane	11.10	107	93529	50.633	ug/l	100
64) Tetrachloroethene	10.73	164	97945	49.347	ug/l	99
65) Chlorobenzene	11.53	112	317600	48.490	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	110835	49.586	ug/l	99
67) Ethyl Benzene	11.60	91	587846	48.701	ug/l	98
68) m/p-Xylenes	11.71	106	439862	97.570	ug/l	99
69) o-Xylene	12.04	106	207539	47.854	ug/l	98
70) Styrene	12.05	104	373622	49.101	ug/l	99
71) Bromoform	12.22	173	64869	48.617	ug/l #	100
73) Isopropylbenzene	12.34	105	563976	47.399	ug/l	100
74) N-amyl acetate	12.15	43	191457	49.158	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	124848	48.994	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	82075m	45.170	ug/l	
77) Bromobenzene	12.62	156	123882	47.007	ug/l	98
78) n-propylbenzene	12.68	91	691701	48.298	ug/l	100
79) 2-Chlorotoluene	12.77	91	394194	48.181	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	474089	47.734	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	48343	50.349	ug/l	97
82) 4-Chlorotoluene	12.86	91	414200	47.395	ug/l	100
83) tert-Butylbenzene	13.08	119	396894	47.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	476475	47.784	ug/l	100
85) sec-Butylbenzene	13.26	105	580973	48.843	ug/l	100
86) p-Isopropyltoluene	13.38	119	510281	48.682	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	244565	48.185	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	244610	47.466	ug/l	99
89) n-Butylbenzene	13.70	91	515494	48.865	ug/l	99
90) Hexachloroethane	13.97	117	98632	49.642	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	225759	48.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21596	49.114	ug/l	96

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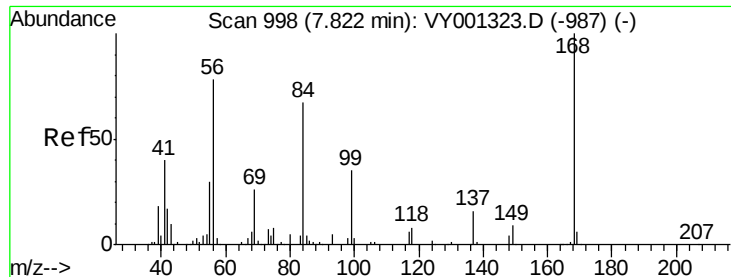
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	146476	46.625	ug/l	99
94) Hexachlorobutadiene	15.12	225	70398	46.021	ug/l	99
95) Naphthalene	15.24	128	351544	48.937	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	131879	47.854	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 194683

Ion Ratio Lower Upper

168 100

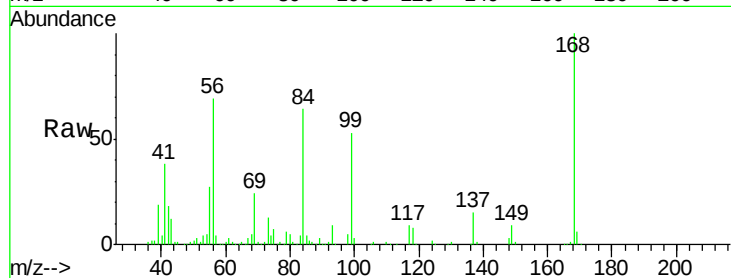
99 53.2 44.3 66.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.82

80000

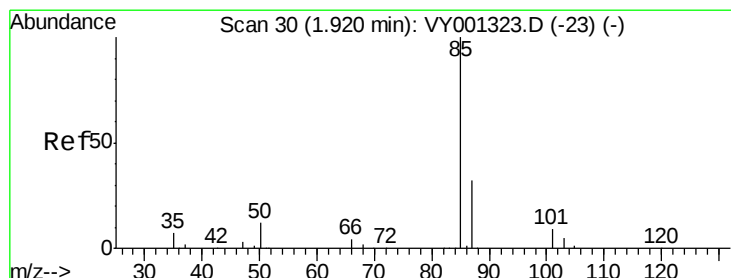
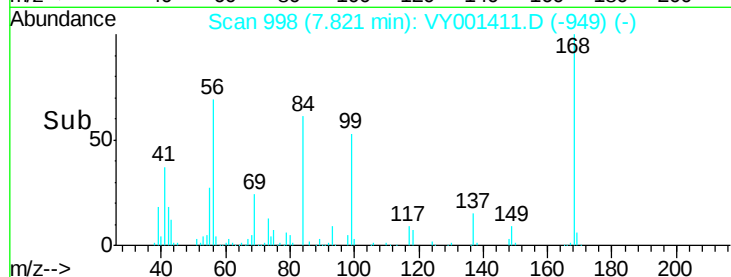
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.638 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.01 min

Lab File: VY001411.D

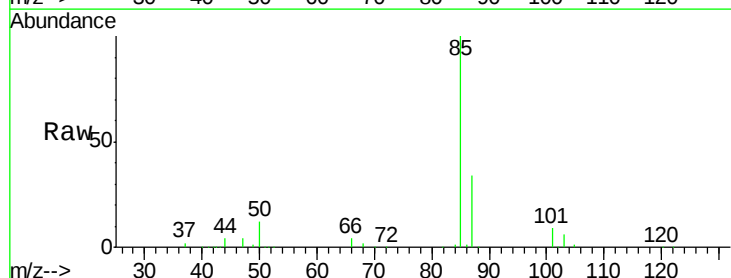
Acq: 27 Jan 2020 17:12

Tgt Ion: 85 Resp: 73138

Ion Ratio Lower Upper

85 100

87 34.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

50000

40000

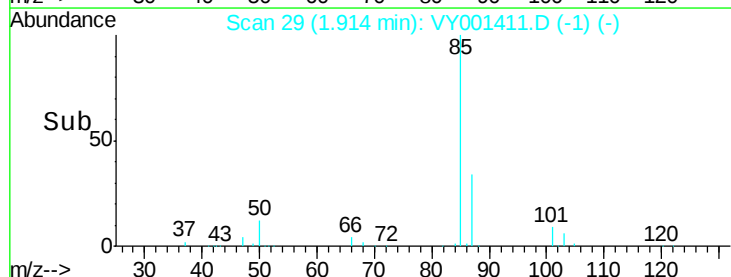
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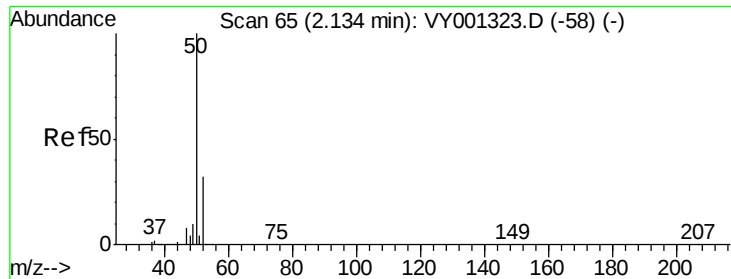
20000

10000

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Time-->





#3

Chloromethane

Concen: 47.989 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 111353

Ion Ratio Lower Upper

50 100

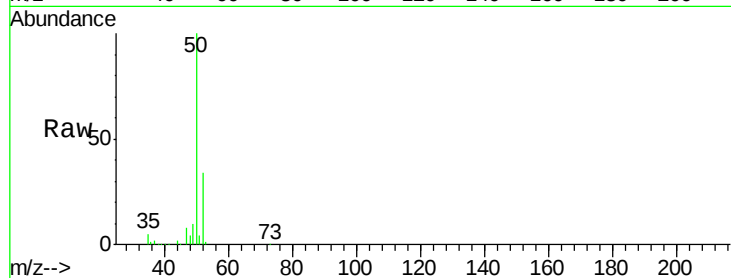
52 34.0 25.7 38.5

Manual Integrations

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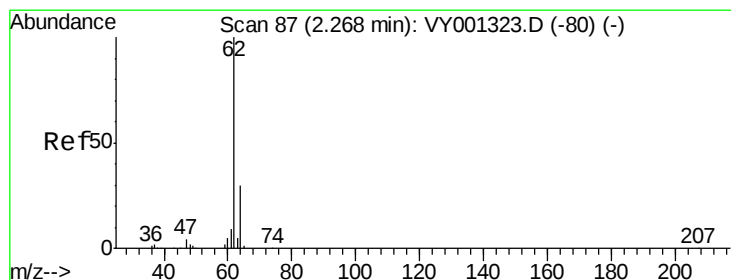
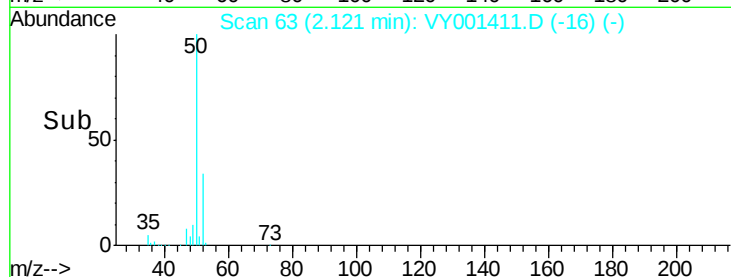
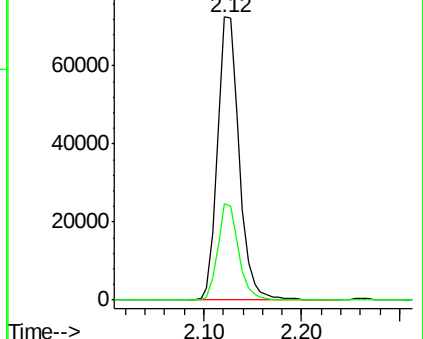
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 46.848 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001411.D

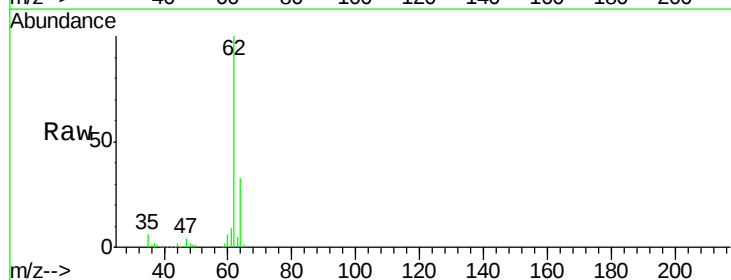
Acq: 27 Jan 2020 17:12

Tgt Ion: 62 Resp: 113349

Ion Ratio Lower Upper

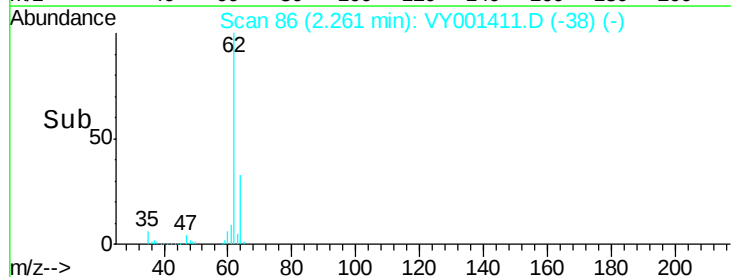
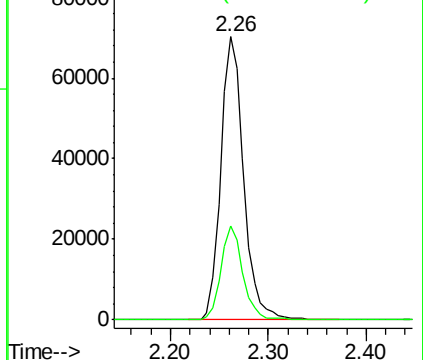
62 100

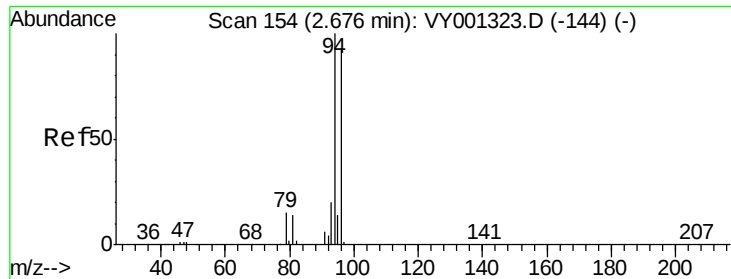
64 33.2 23.9 35.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 46.036 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.02 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 75015

Ion Ratio Lower Upper

94 100

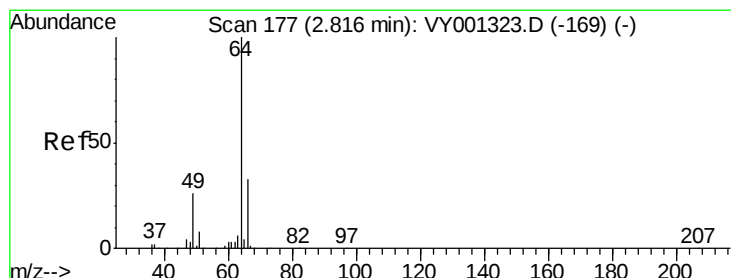
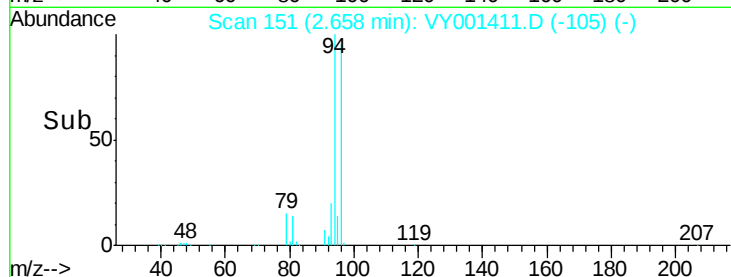
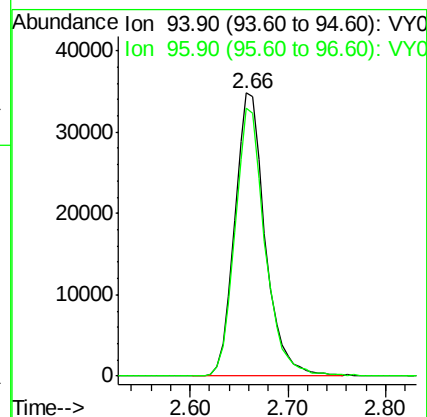
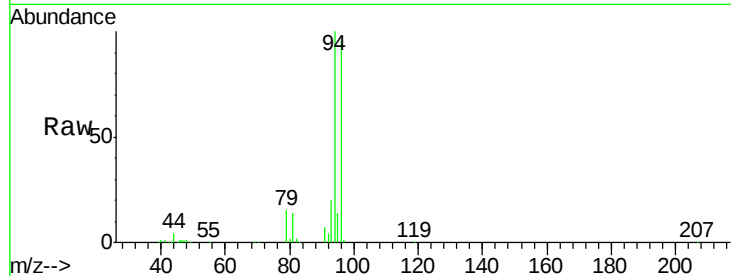
96 94.9 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 47.948 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY001411.D

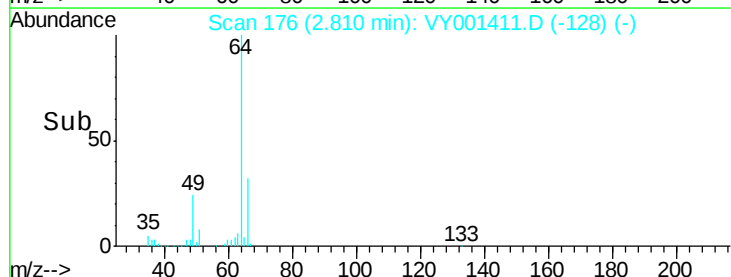
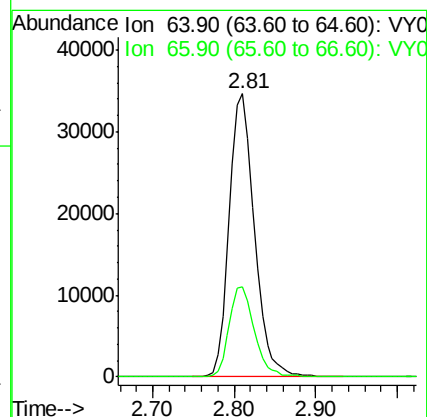
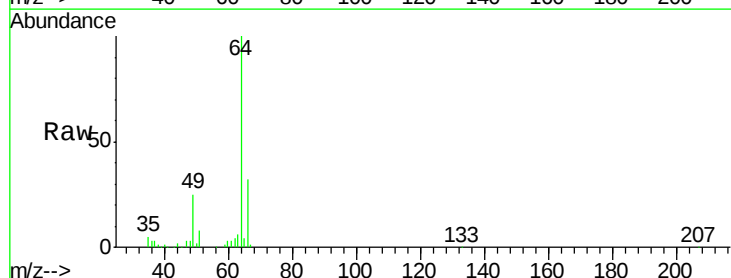
Acq: 27 Jan 2020 17:12

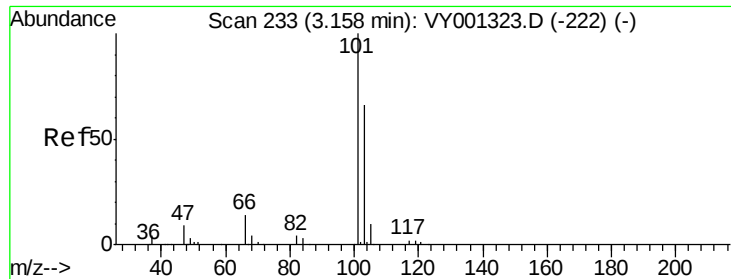
Tgt Ion: 64 Resp: 74130

Ion Ratio Lower Upper

64 100

66 31.6 26.8 40.2





#7

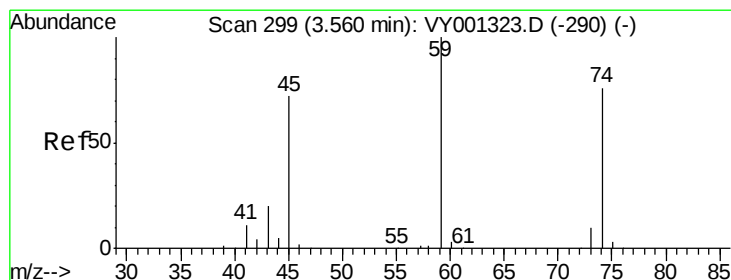
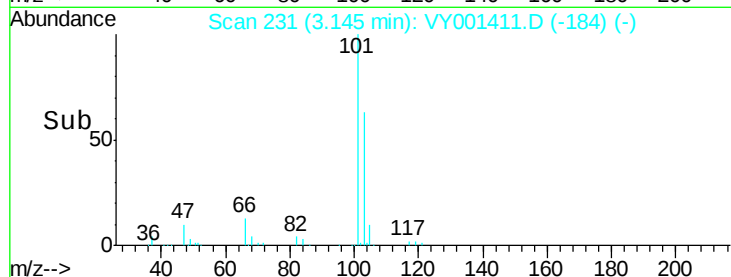
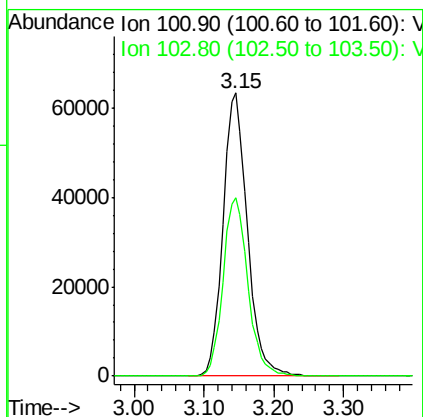
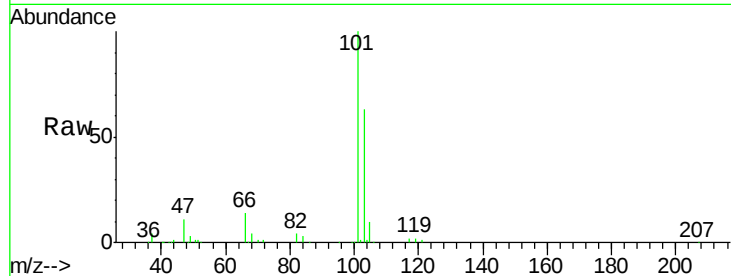
Trichlorofluoromethane
 Concen: 49.466 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. -0.01 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.5	78.7

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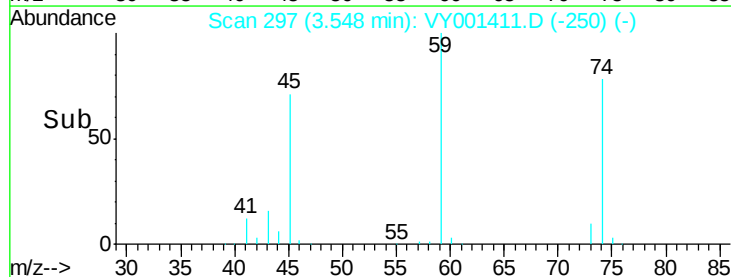
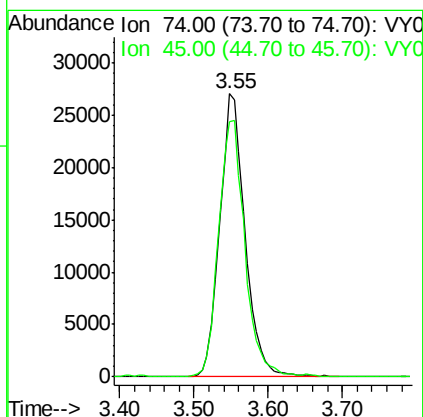
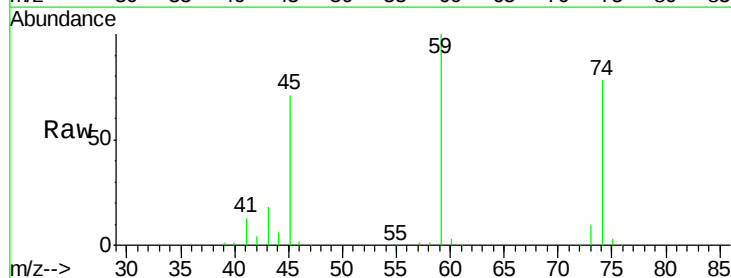
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 1/28/2020 3:40:34 PM

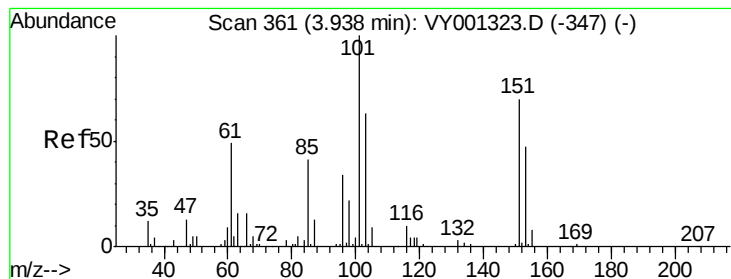


#8

Diethyl Ether
 Concen: 48.848 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.374 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.02 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

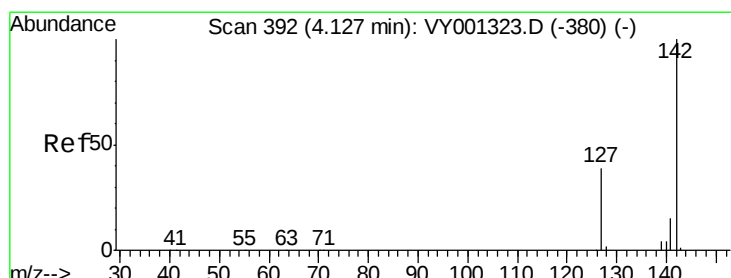
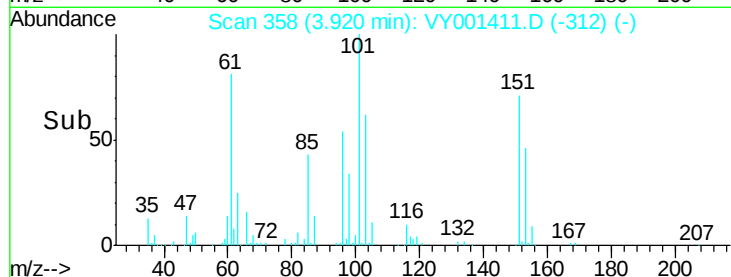
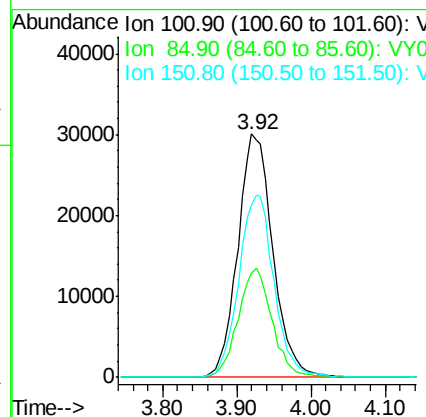
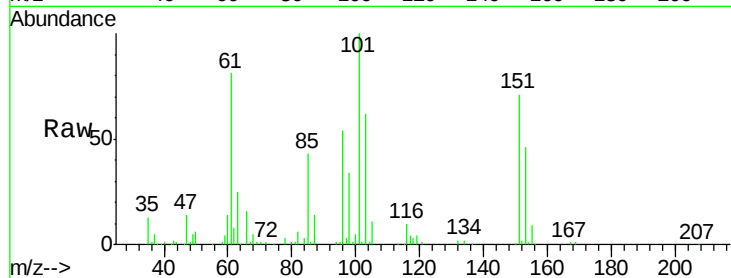
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	99309
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.9	52.3
151	75.1	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 48.472 ug/l

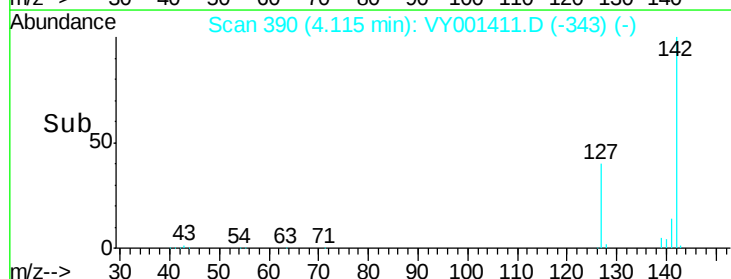
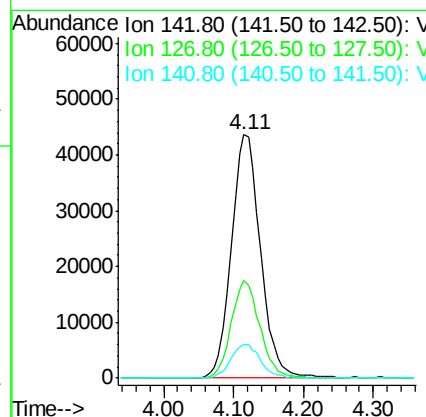
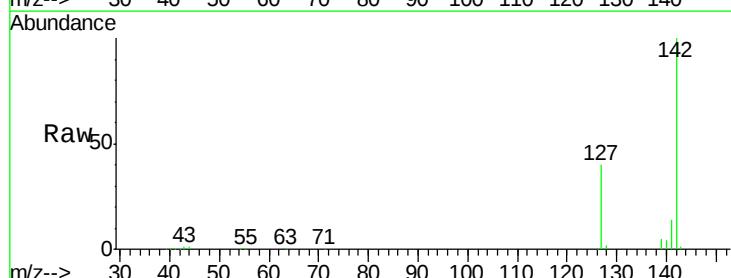
RT: 4.11 min Scan# 390

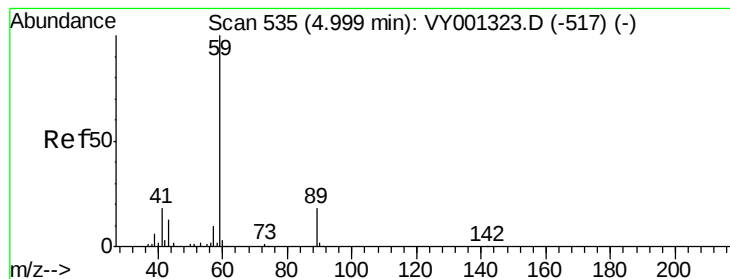
Delta R.T. -0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Tgt Ion:	142	Resp:	126035
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.6	47.4
141	14.0	11.2	16.8





#11

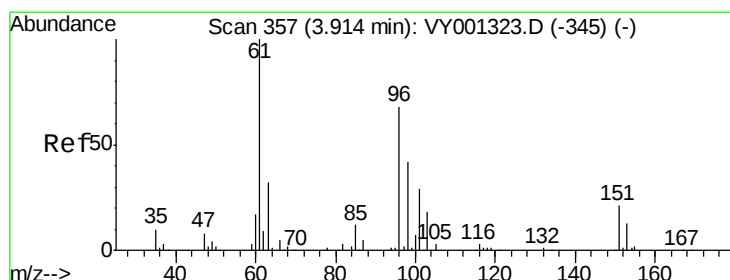
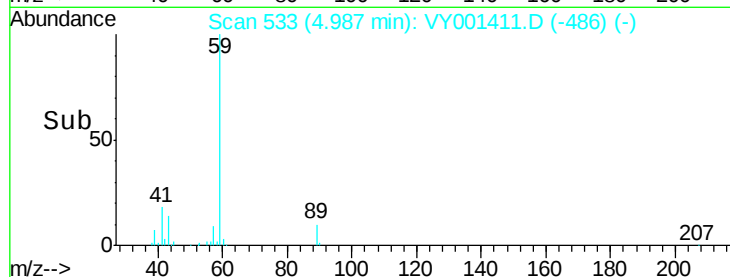
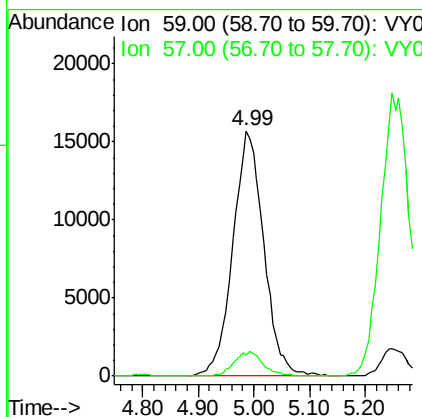
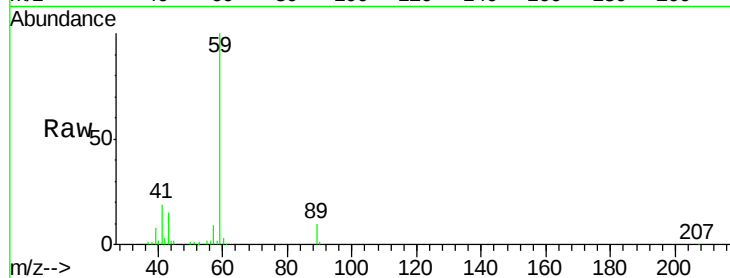
Tert butyl alcohol
 Concen: 225.604 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.4	11.2

Manual Integrations
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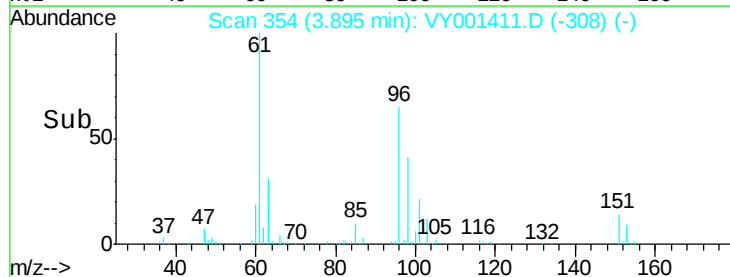
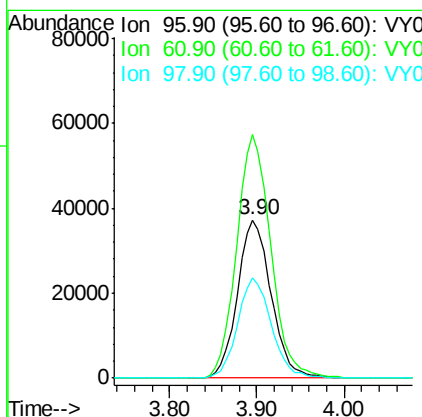
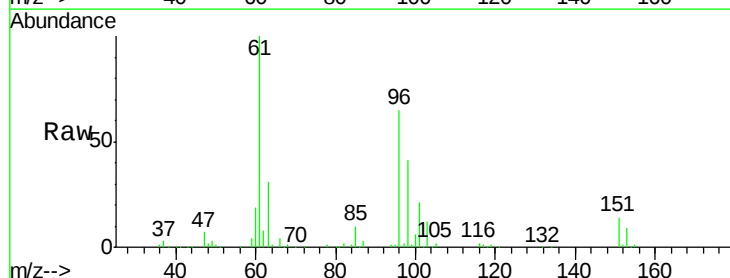
MMDadoda
 1/28/2020 3:40:34 PM

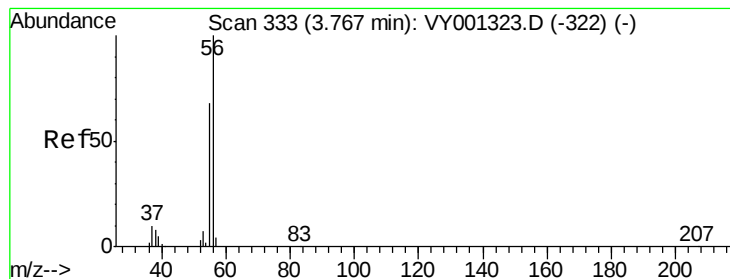


#12

1,1-Dichloroethene
 Concen: 48.241 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.02 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	118.0	177.0
98	63.2	49.4	74.2





#13

Acrolein

Concen: 250.437 ug/l

RT: 3.76 min Scan# 331

Delta R.T. -0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 39346

Ion Ratio Lower Upper

56 100

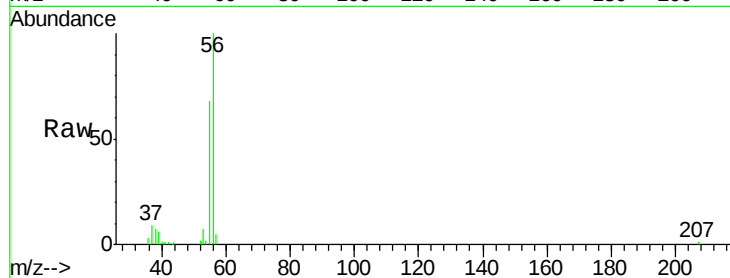
55 70.9 55.9 83.9

Manual Integrations

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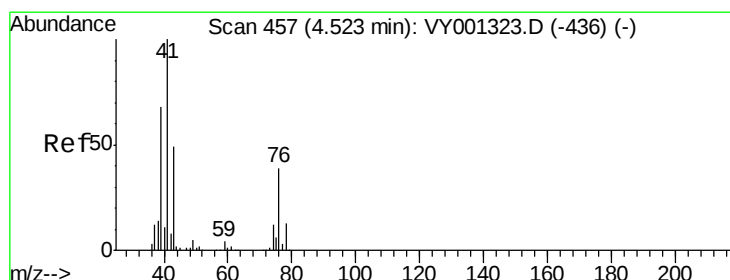
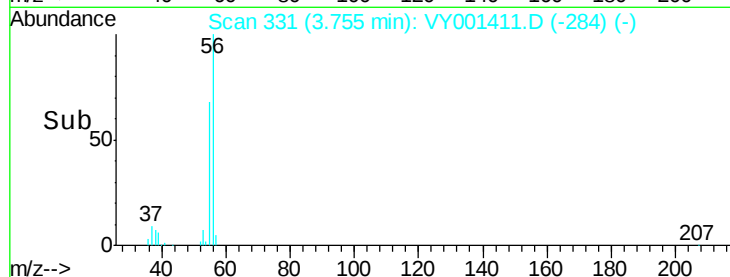
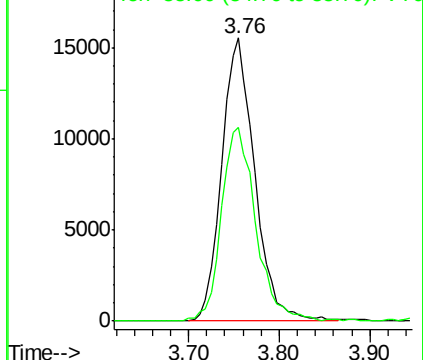
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 48.917 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

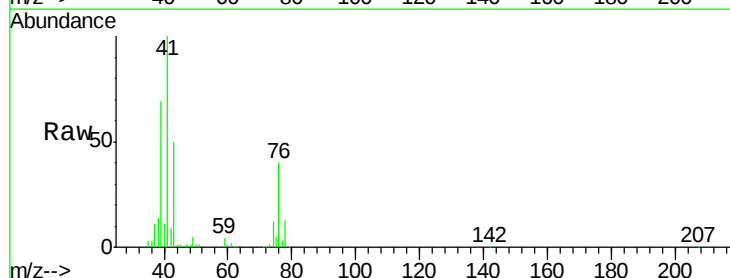
Tgt Ion: 41 Resp: 180318

Ion Ratio Lower Upper

41 100

39 65.6 52.2 78.4

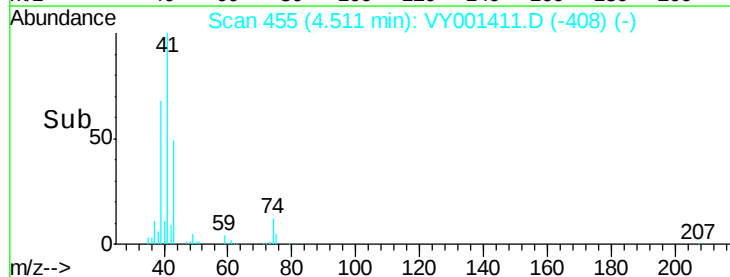
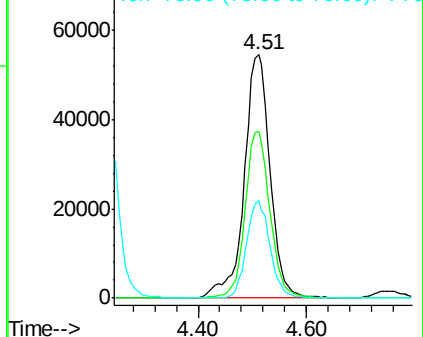
76 36.3 29.1 43.7

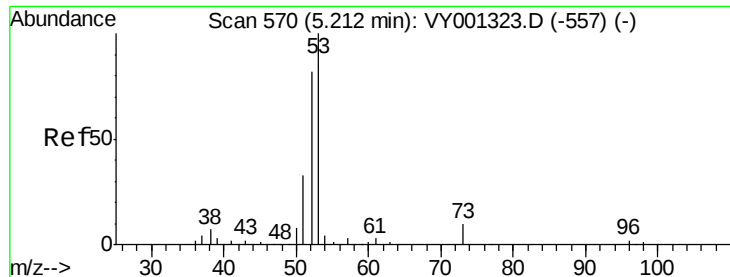


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 250.700 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

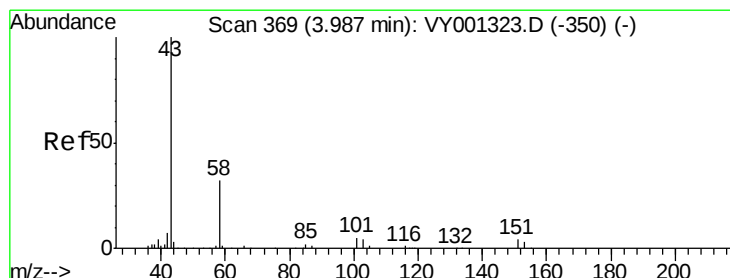
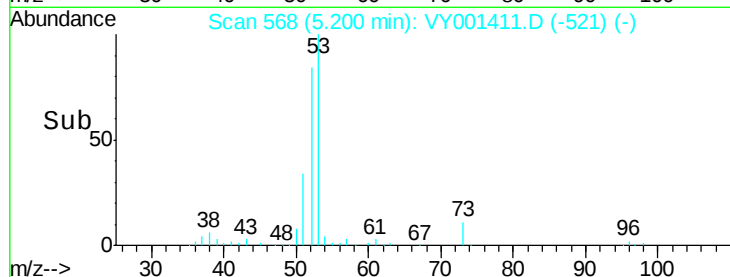
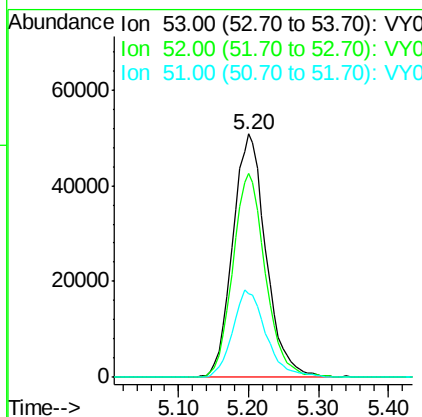
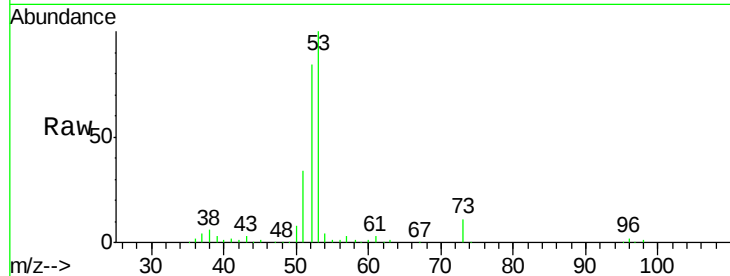
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	167698
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.3	97.9
51	36.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 288.315 ug/l

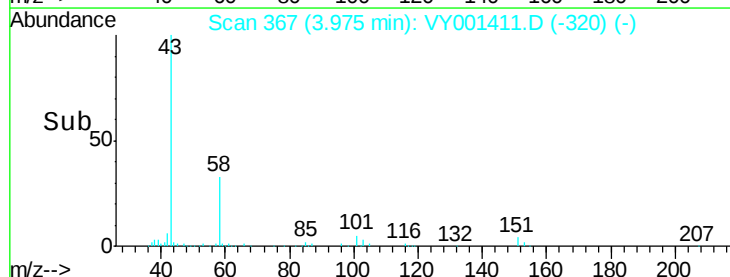
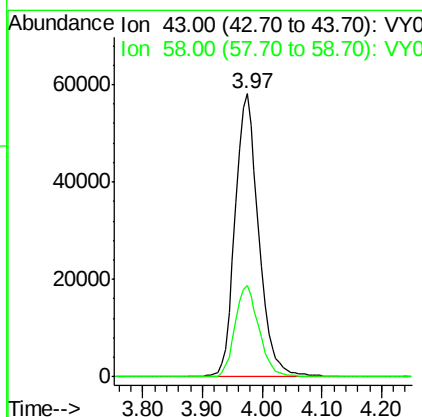
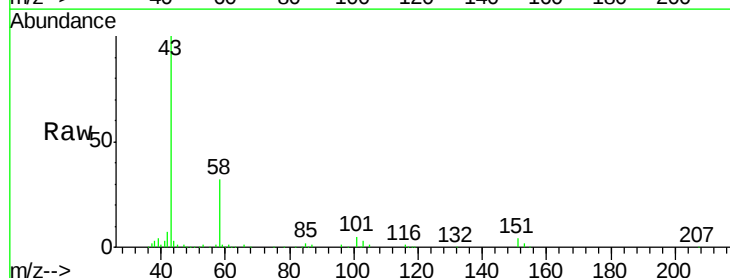
RT: 3.97 min Scan# 367

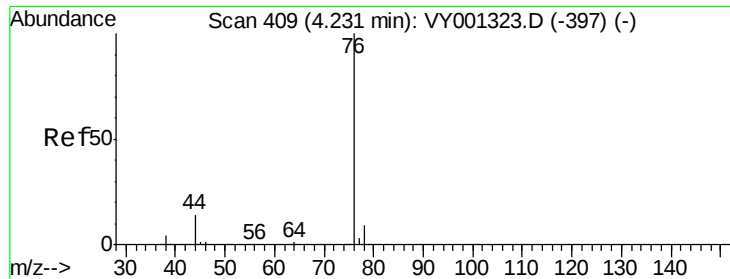
Delta R.T. -0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Tgt Ion:	43	Resp:	160247
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.4	38.0





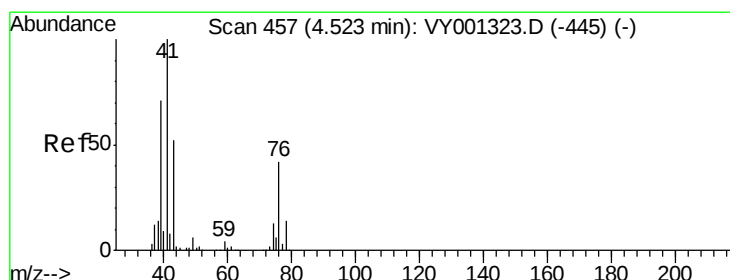
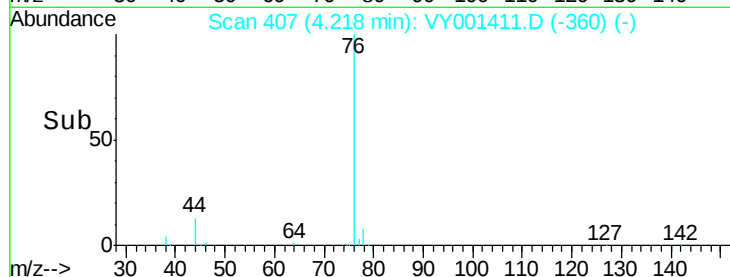
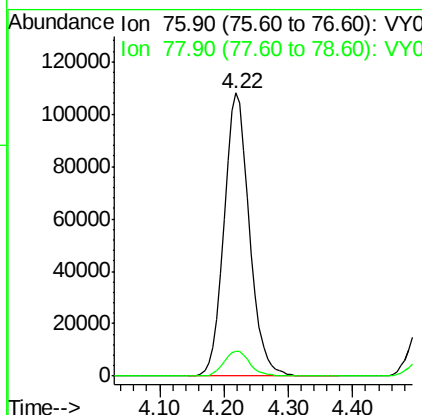
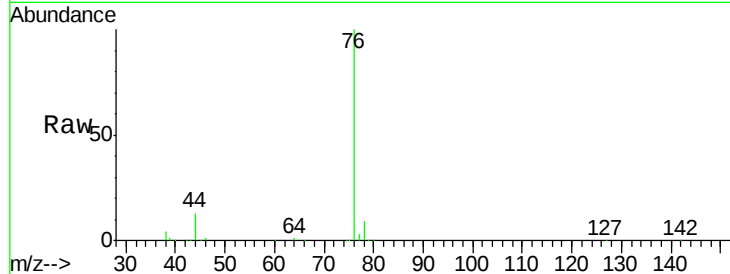
#17
Carbon Disulfide
Concen: 45.969 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	76	Resp	298838
Ion Ratio	Lower	Upper	
76	100		
78	8.7	7.0	10.6

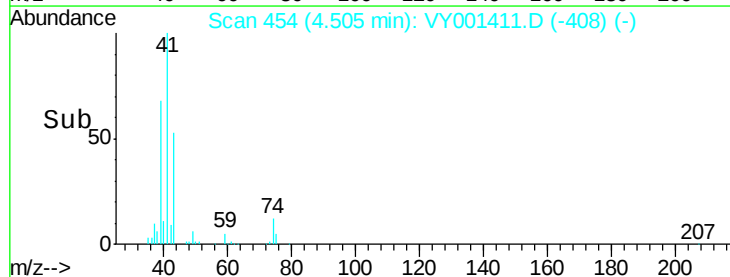
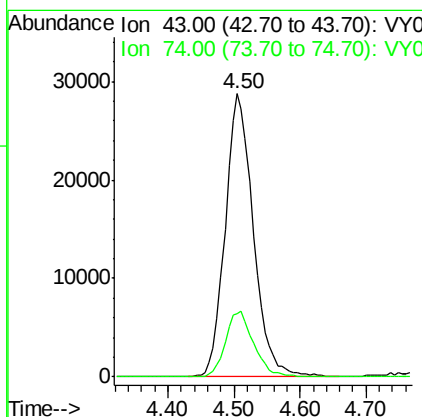
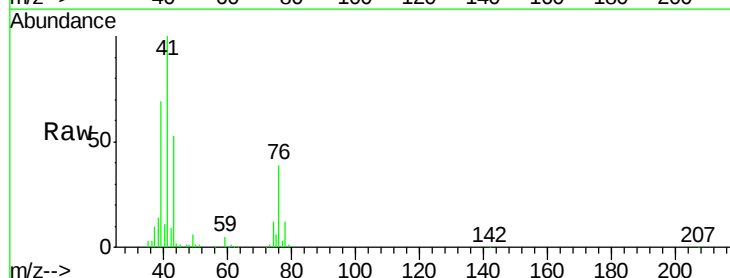
Manual Integrations
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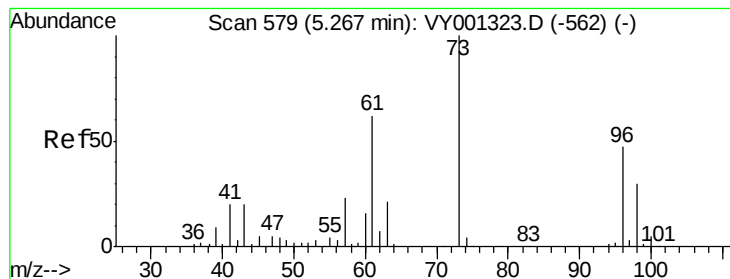
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#18
Methyl Acetate
Concen: 47.402 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.02 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	43	Resp	84682
Ion Ratio	Lower	Upper	
43	100		
74	23.3	19.4	29.2





#19

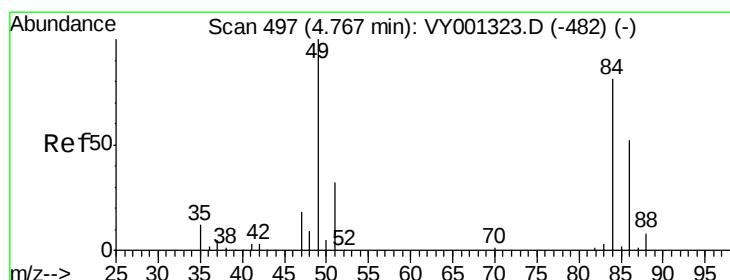
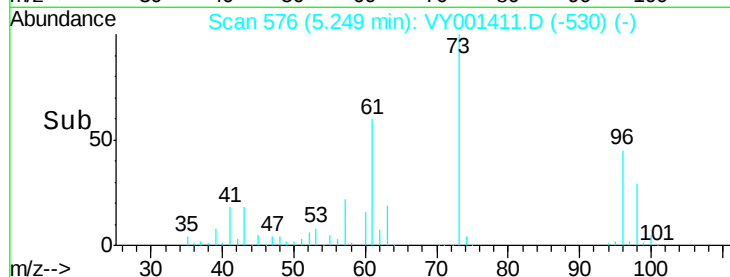
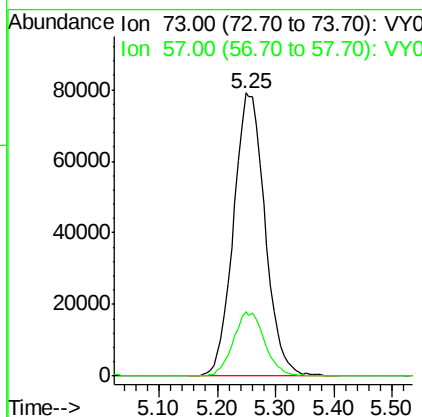
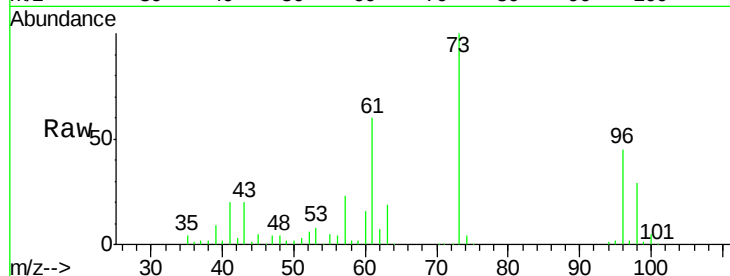
Methyl tert-butyl Ether
 Concen: 49.008 ug/l
 RT: 5.25 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 296612
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.2 27.2

Manual Integrations
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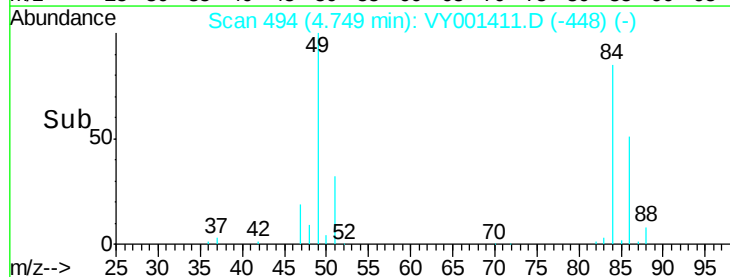
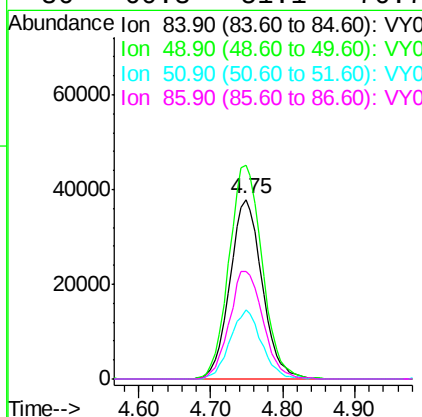
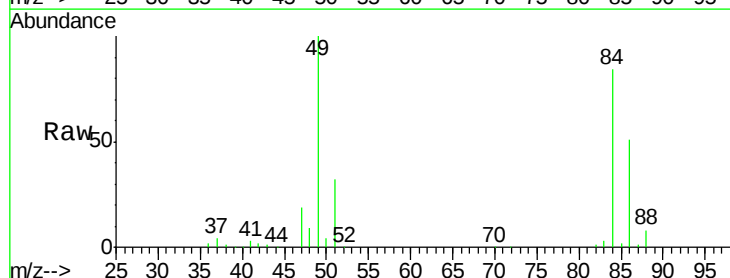
MMDadoda
 1/28/2020 3:40:34 PM

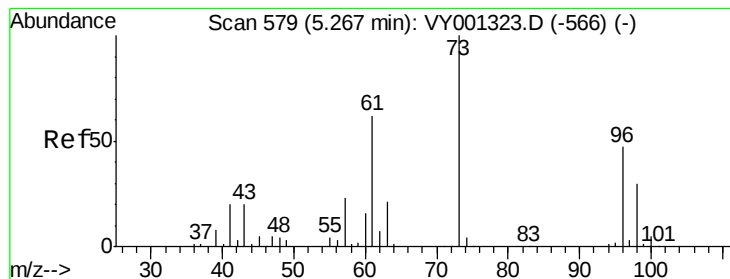


#20

Methylene Chloride
 Concen: 44.652 ug/l
 RT: 4.75 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion: 84 Resp: 117994
 Ion Ratio Lower Upper
 84 100
 49 119.1 98.3 147.5
 51 38.3 31.6 47.4
 86 60.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 47.447 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.02 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 113924

Ion Ratio Lower Upper

96 100

61 132.5 106.8 160.2

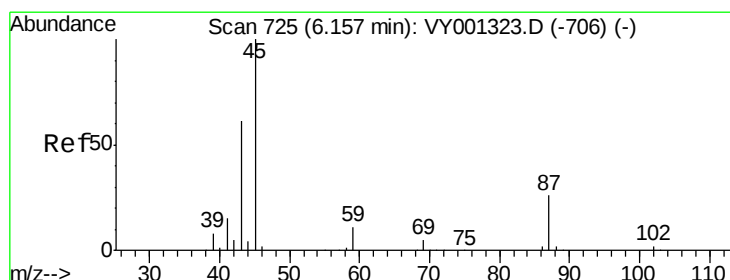
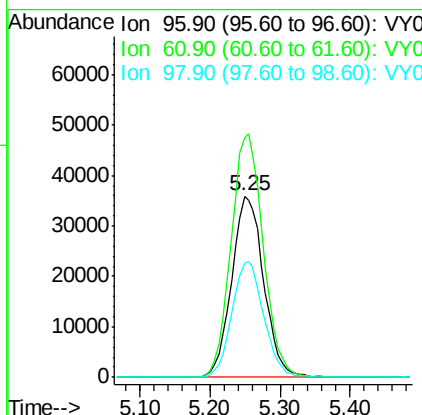
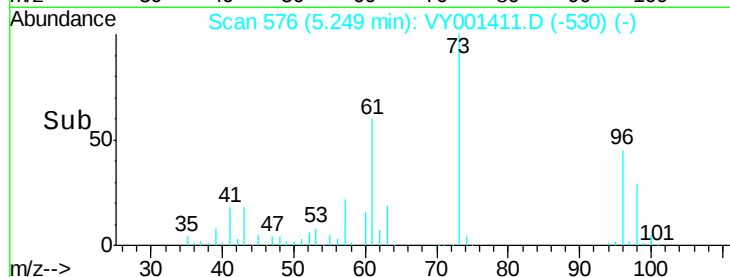
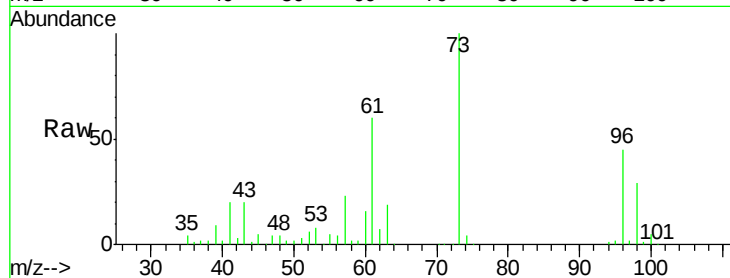
98 63.1 51.0 76.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 48.695 ug/l

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Tgt Ion: 45 Resp: 381165

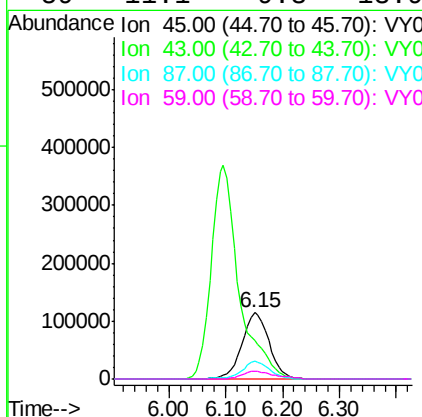
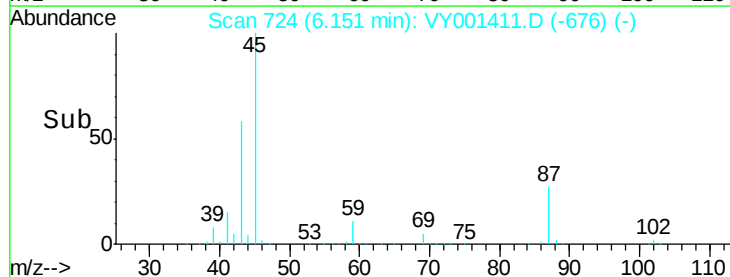
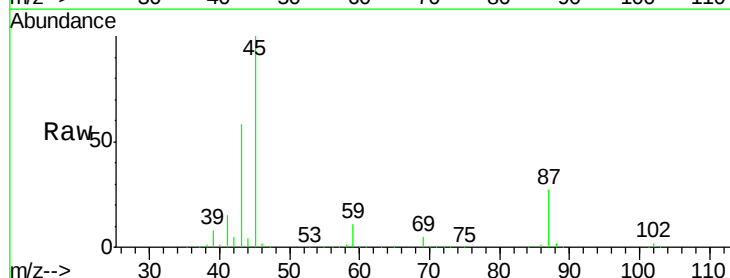
Ion Ratio Lower Upper

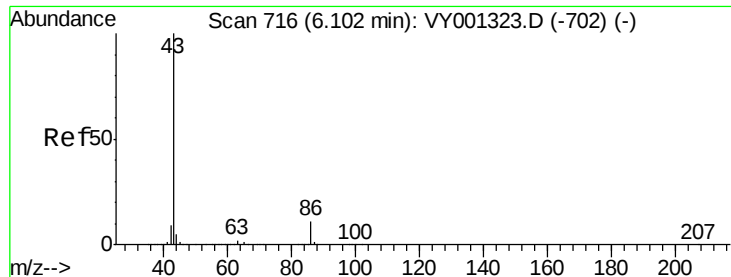
45 100

43 58.3 49.2 73.8

87 26.7 21.4 32.2

59 11.1 9.3 13.9





#23

Vinyl Acetate

Concen: 245.195 ug/l

RT: 6.10 min Scan# 715

Delta R.T. -0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1246009

Ion Ratio Lower Upper

43 100

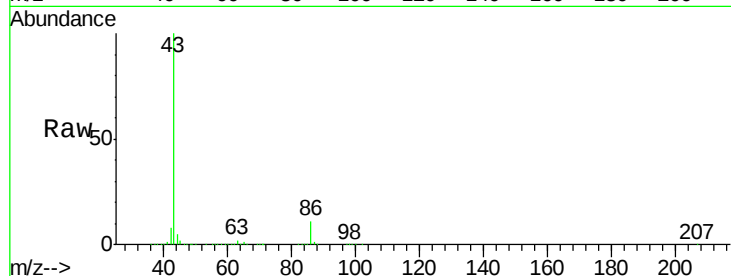
86 11.0 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

400000

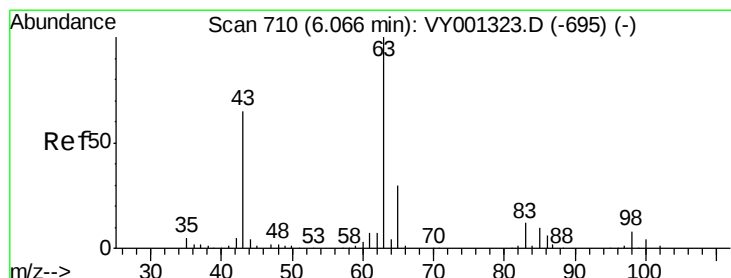
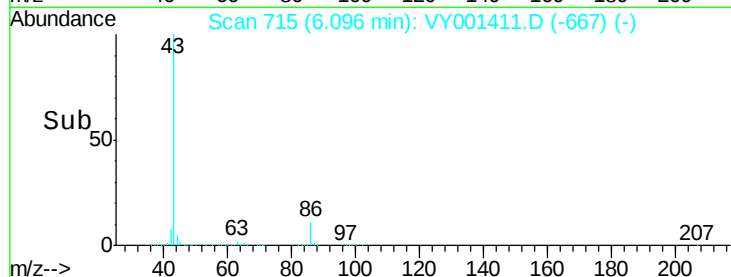
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.976 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

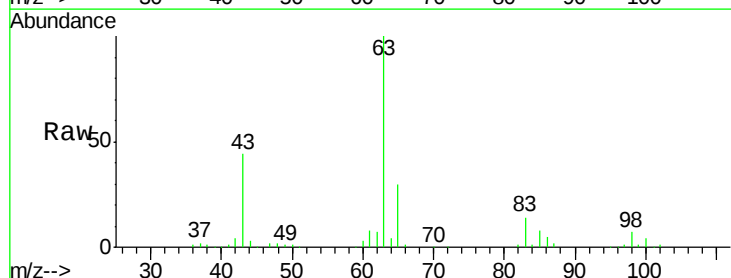
Tgt Ion: 63 Resp: 202070

Ion Ratio Lower Upper

63 100

98 6.7 4.0 12.0

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.05

80000

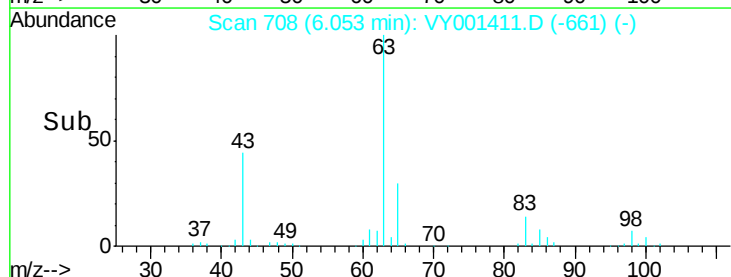
60000

40000

20000

0

Time-->





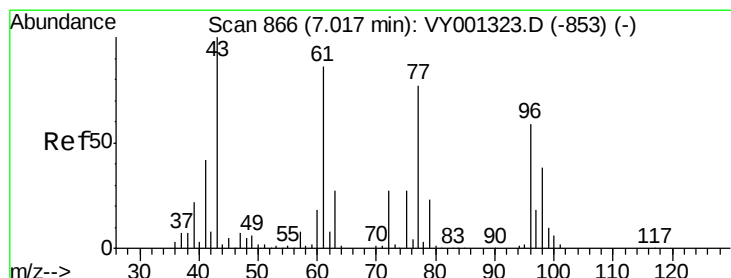
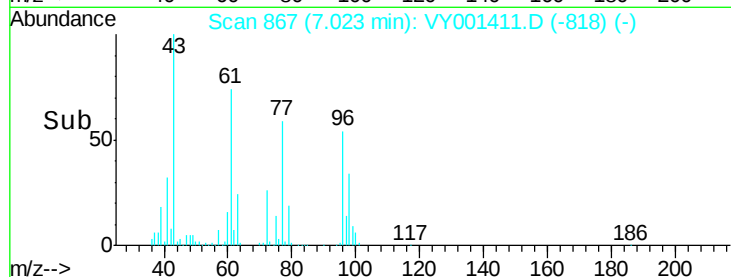
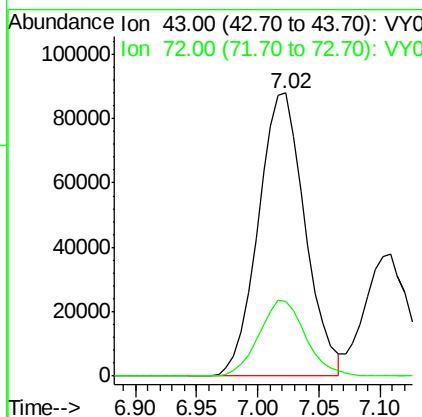
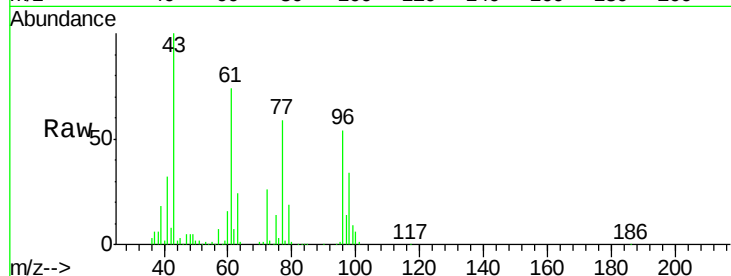
#25
2-Butanone
Concen: 253.573 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 233808
Ion Ratio Lower Upper
43 100
72 26.5 20.6 31.0

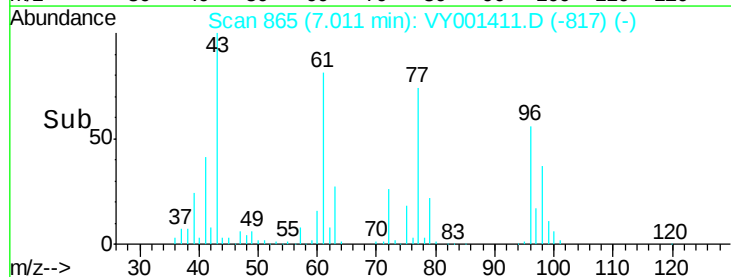
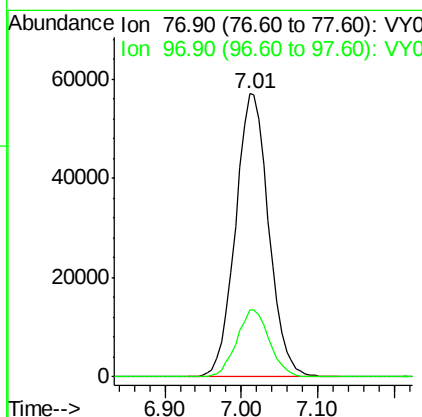
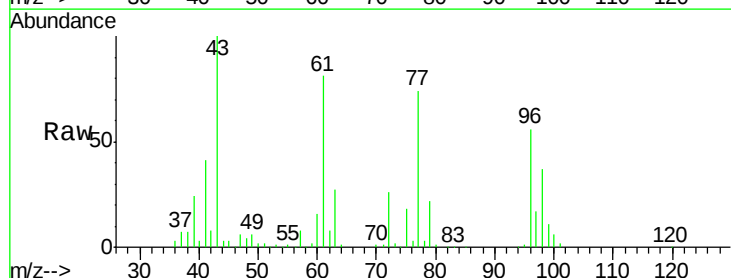
Manual Integrations
APPROVED

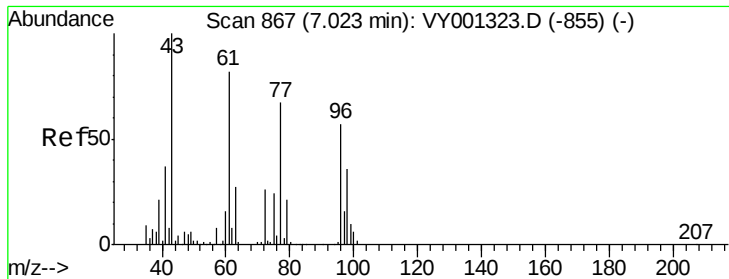
MMDadoda
1/28/2020 3:40:34 PM



#26
2,2-Dichloropropane
Concen: 46.745 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion: 77 Resp: 171795
Ion Ratio Lower Upper
77 100
97 23.4 11.9 35.5





#27

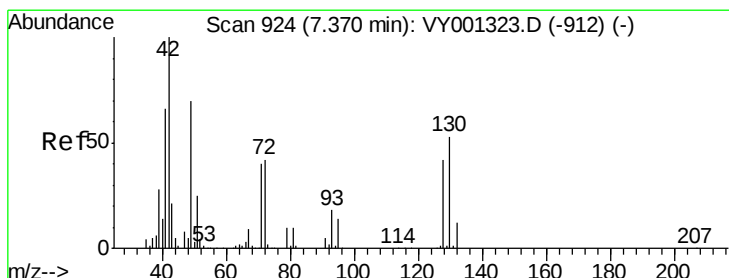
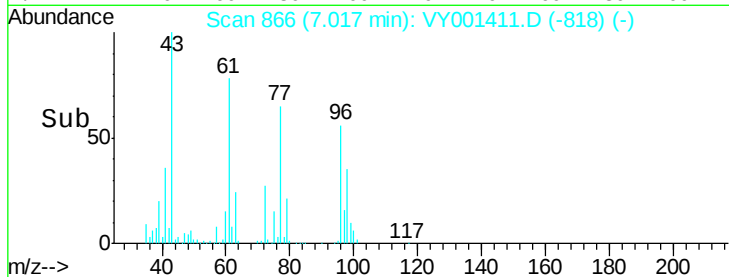
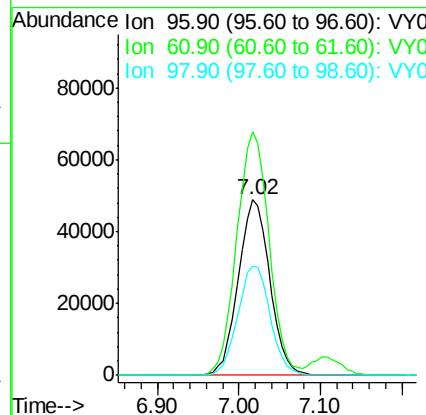
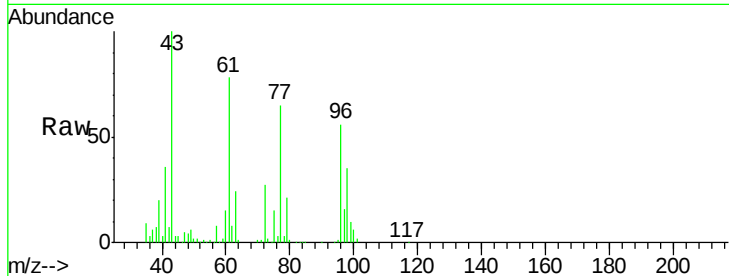
cis-1,2-Dichloroethene
Concen: 48.639 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.5	0.0	284.8	
98	64.2	0.0	128.4	

Manual Integrations
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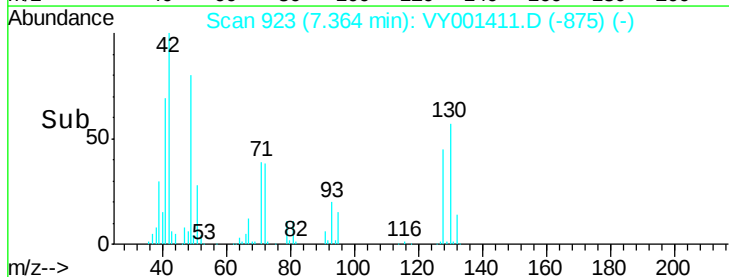
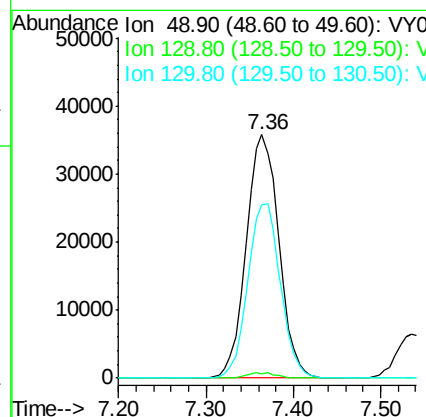
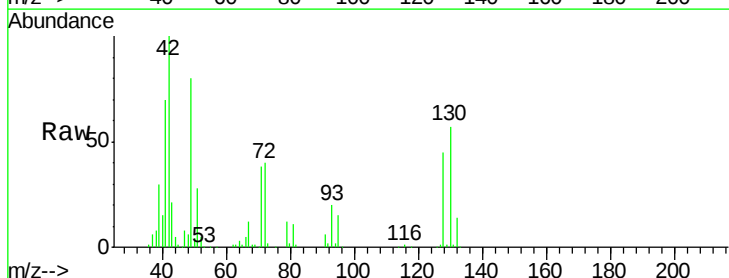
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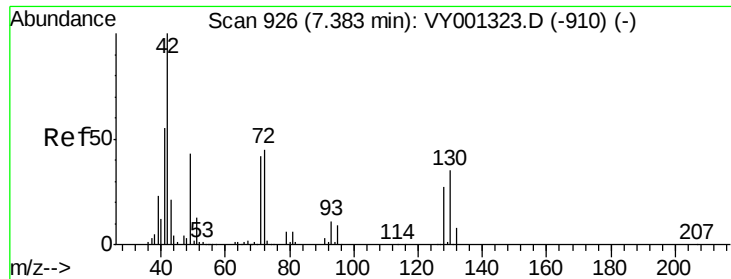


#28

Bromochloromethane
Concen: 54.508 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	71.5	58.9	88.3	





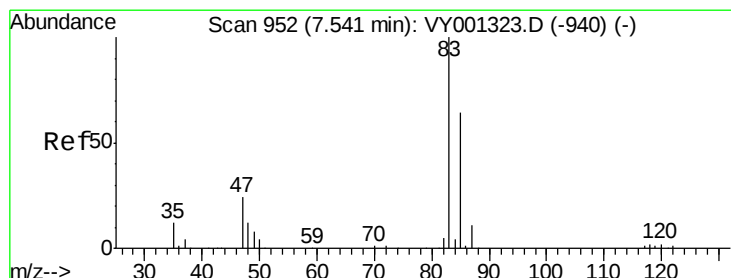
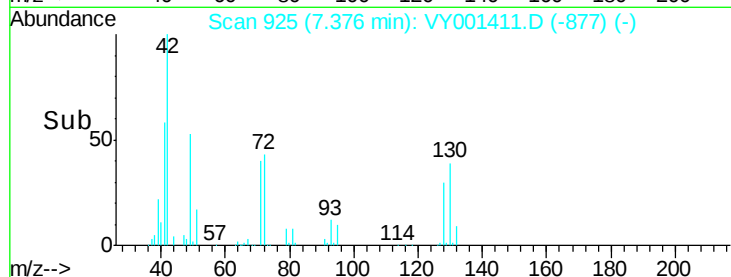
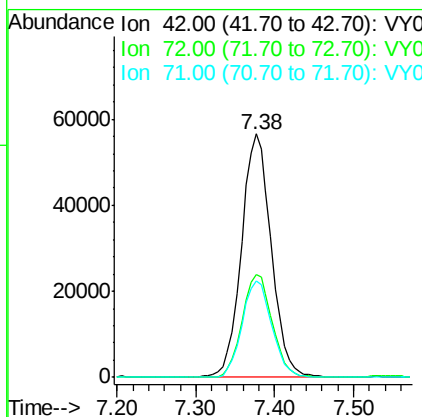
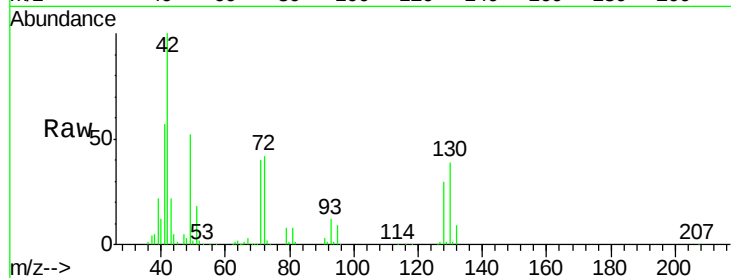
#29
Tetrahydrofuran
Concen: 247.614 ug/l
RT: 7.38 min Scan# 925
Delta R.T. -0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.6	51.8
71	39.5	32.6	48.8

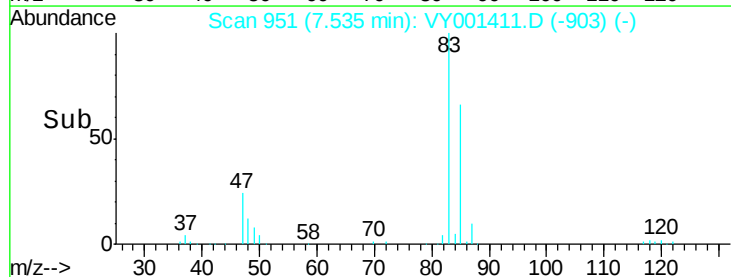
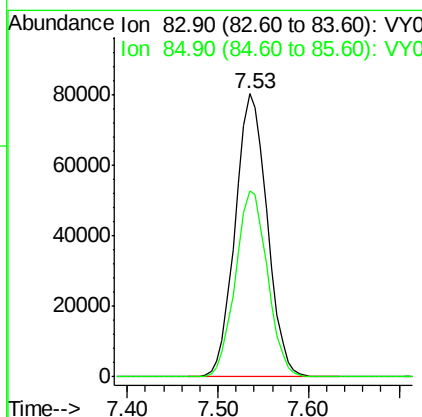
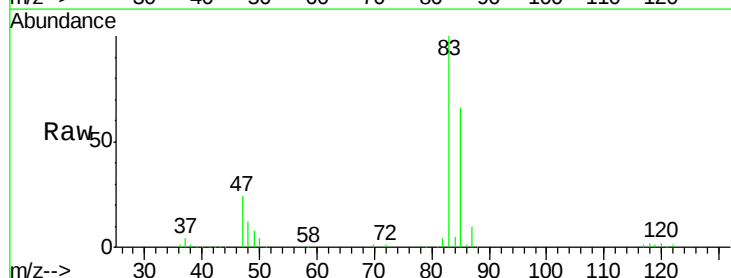
Manual Integrations
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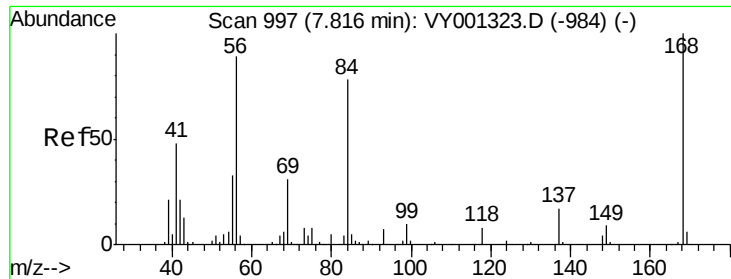
MMDadoda
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#30
Chloroform
Concen: 48.506 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





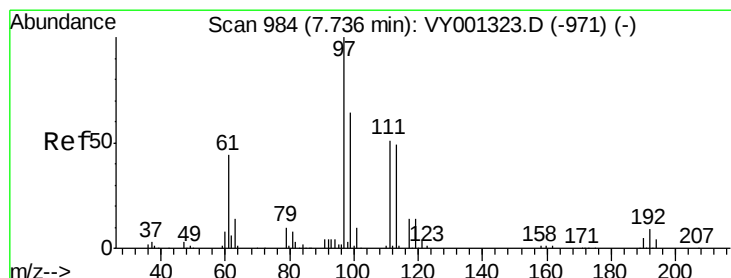
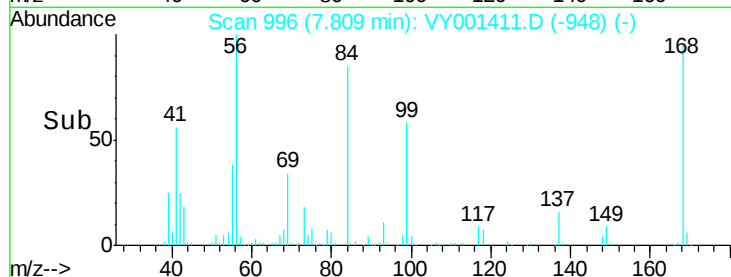
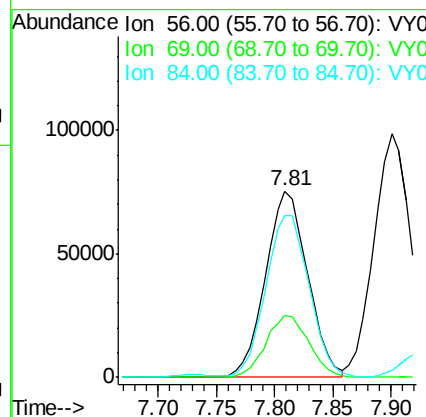
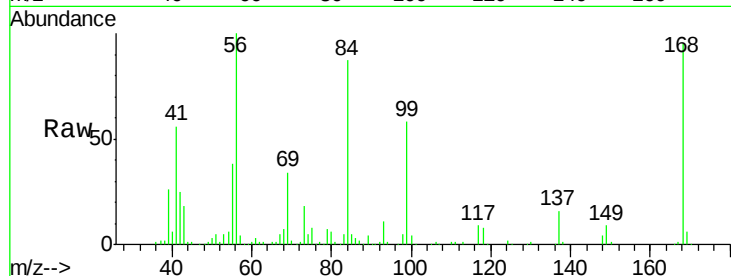
#31
Cyclohexane
Concen: 46.300 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	27.6	41.4
84	85.5	69.7	104.5

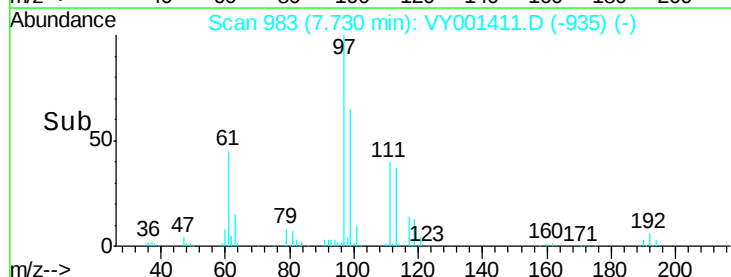
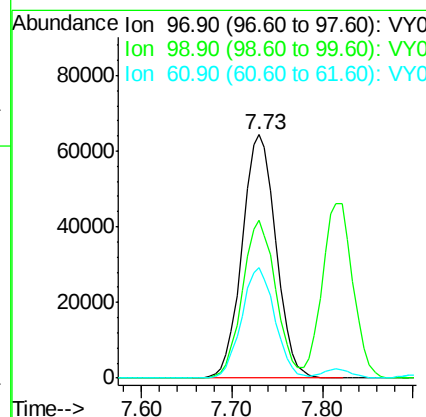
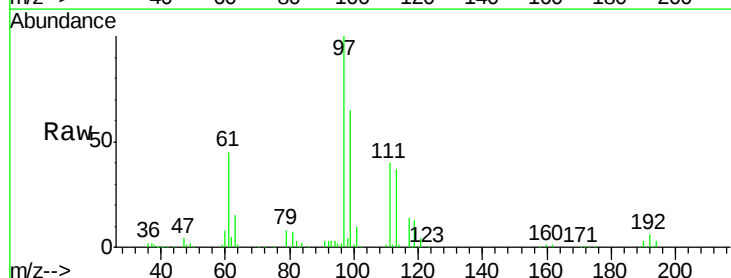
Manual Integrations
APPROVED

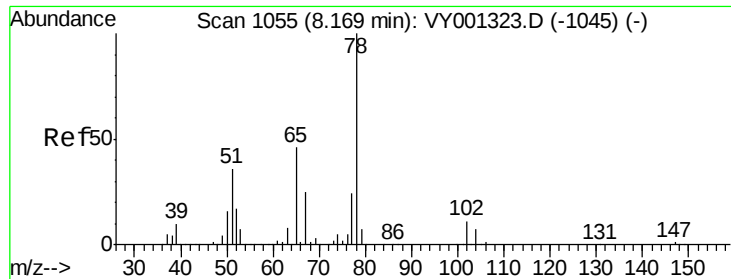
MMDadoda
1/28/2020 3:40:34 PM



#32
1,1,1-Trichloroethane
Concen: 48.565 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	44.8	35.9	53.9





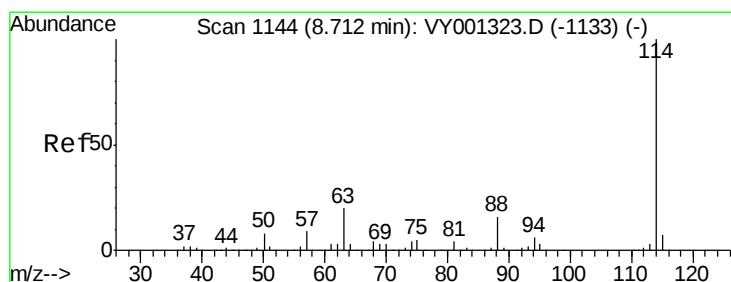
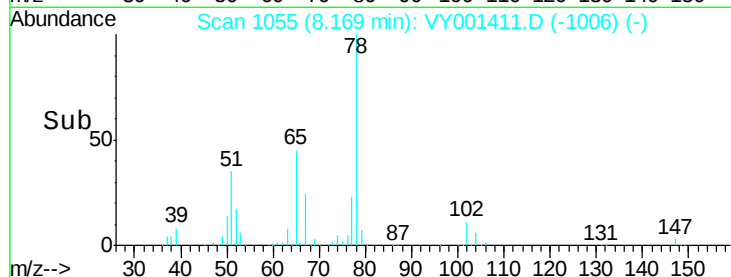
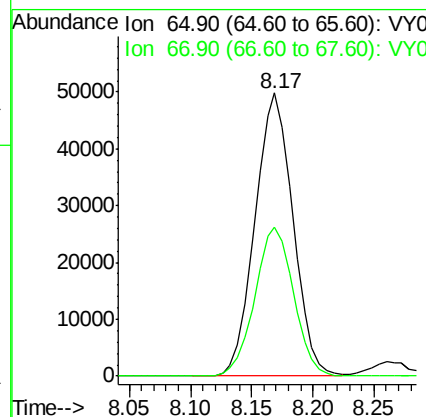
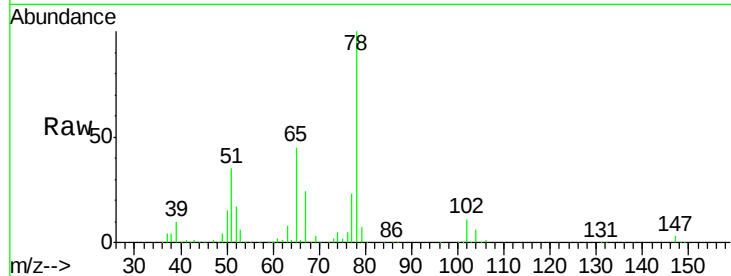
#33
 1,2-Dichloroethane-d4
 Concen: 50.844 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.6

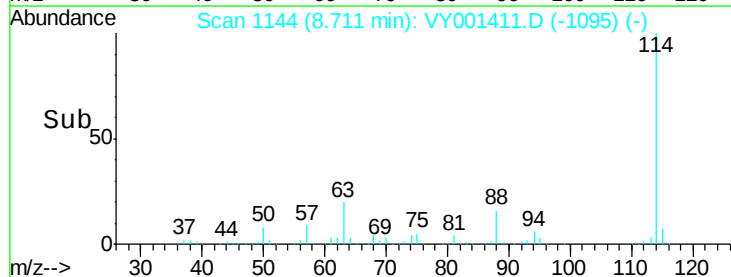
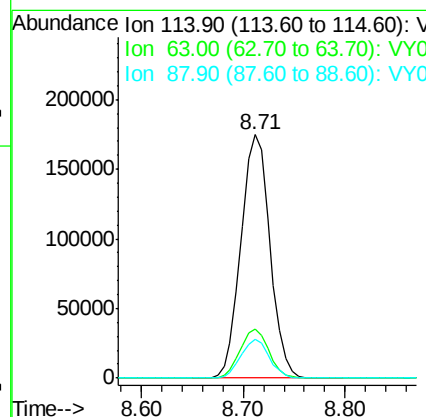
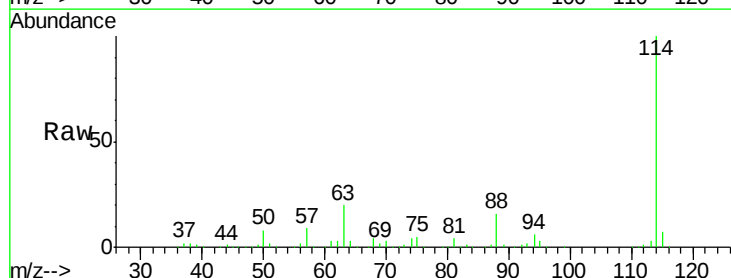
Manual Integrations
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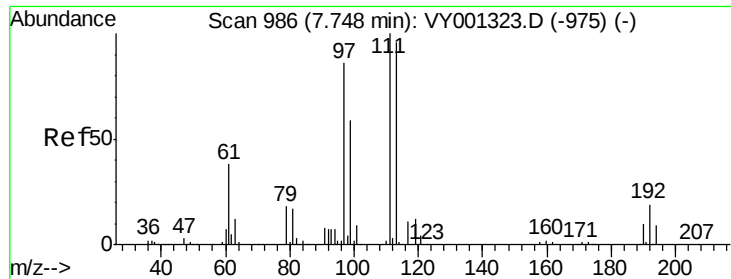
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	15.8	0.0	31.0





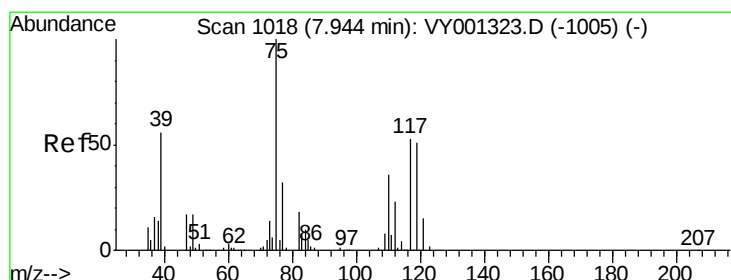
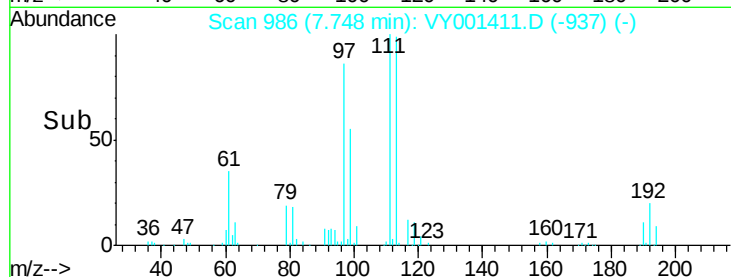
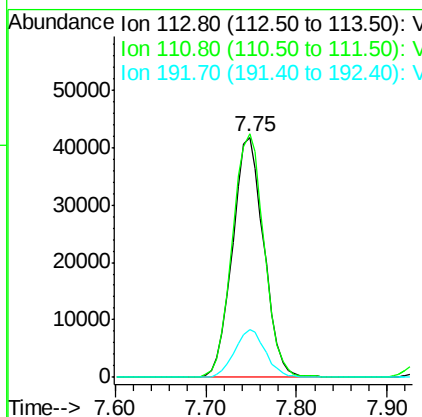
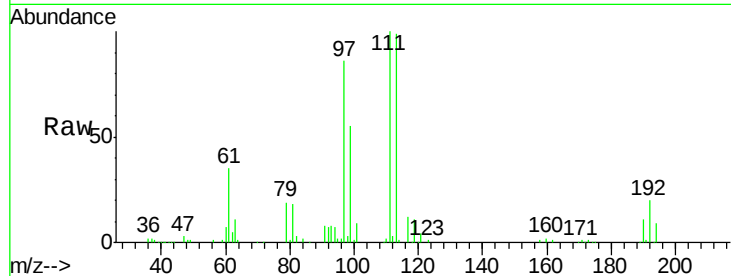
#35
 Dibromofluoromethane
 Concen: 49.269 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.8	124.2
192	19.7	15.5	23.3

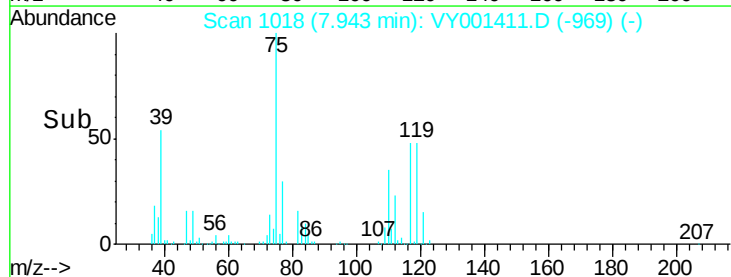
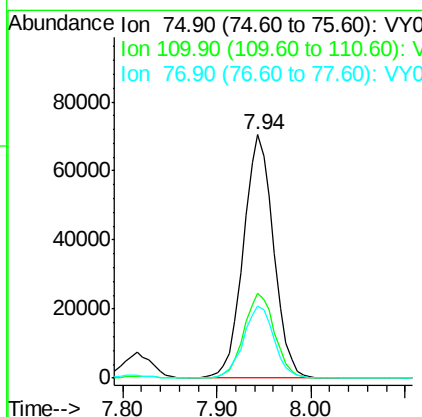
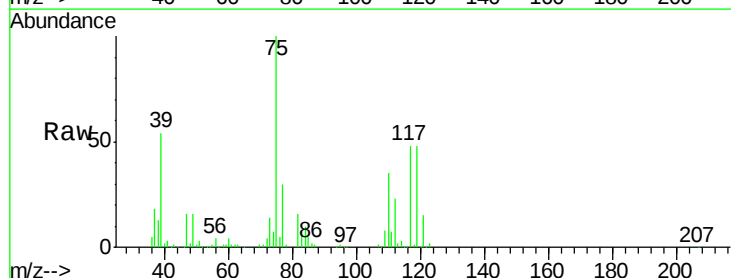
Manual Integrations
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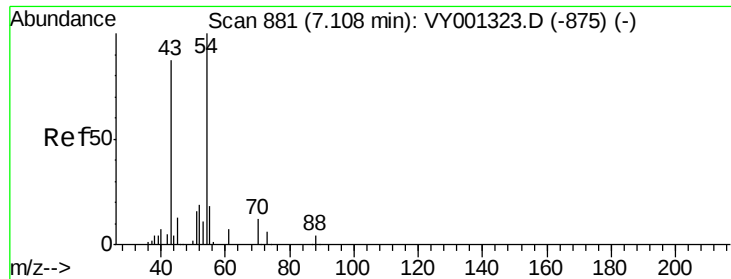
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#36
 1,1-Dichloropropene
 Concen: 48.682 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.6	52.8
77	30.1	24.7	37.1





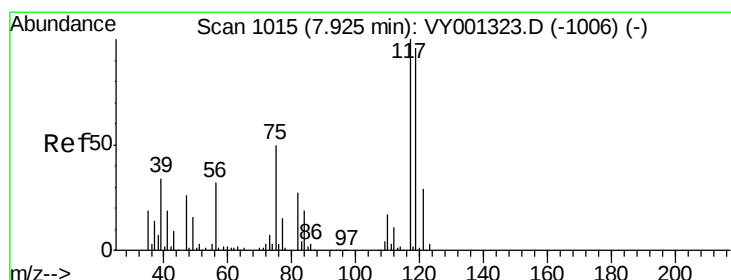
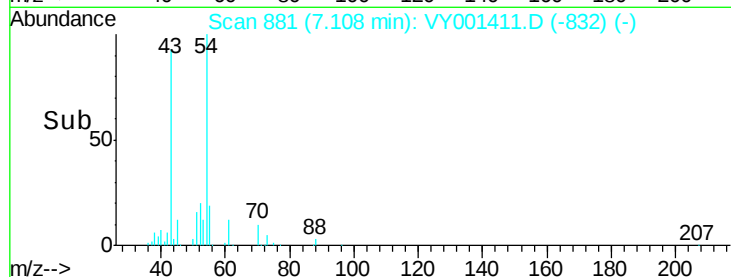
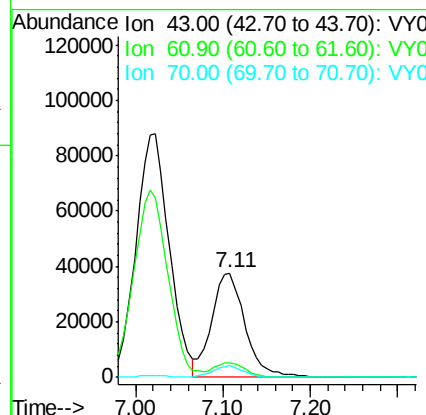
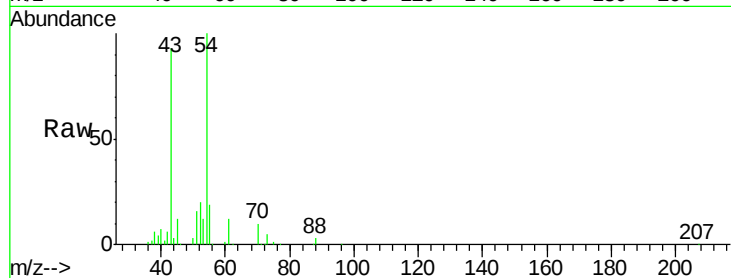
#37
Ethyl Acetate
Concen: 50.329 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.3	16.9
70	10.4	8.7	13.1

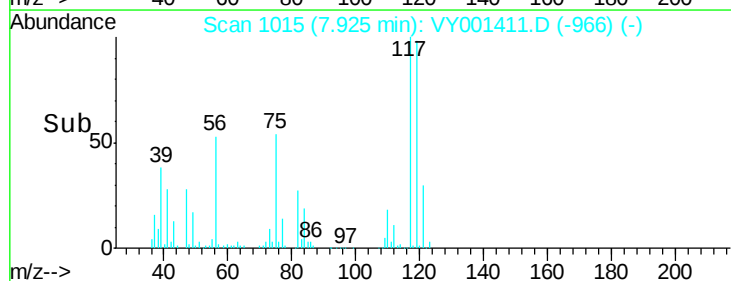
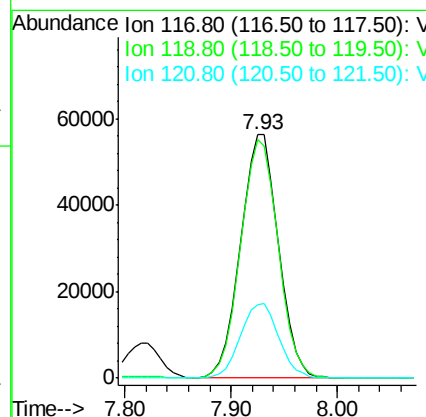
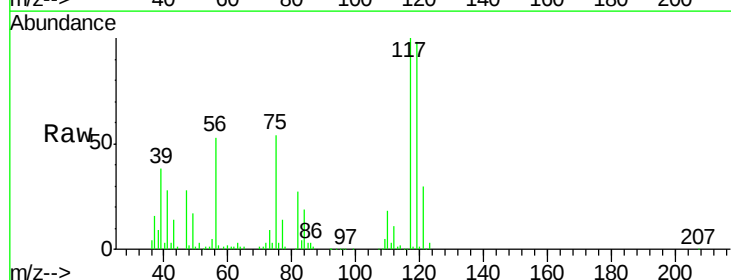
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 48.513 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.3	114.5
121	30.1	23.5	35.3





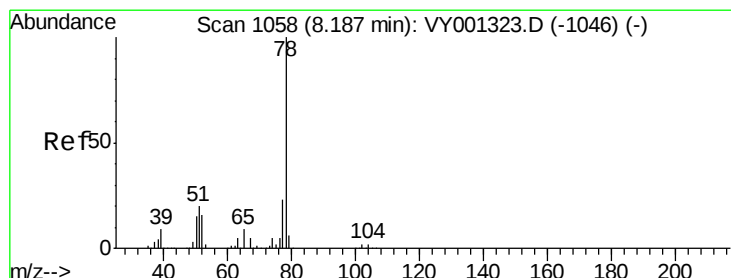
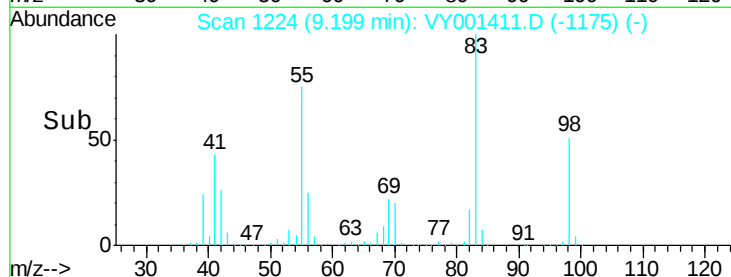
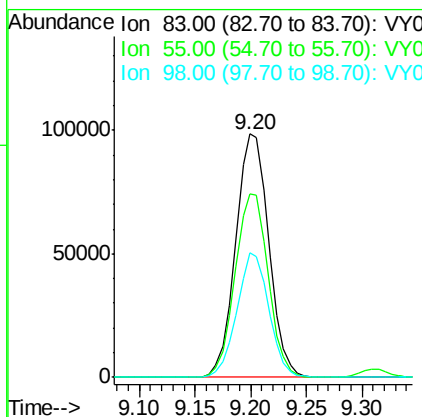
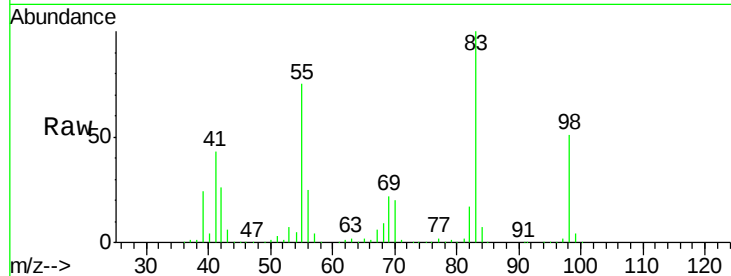
#39
Methvlcvclohexane
Concen: 48.710 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.7	91.1
98	51.0	37.8	56.8

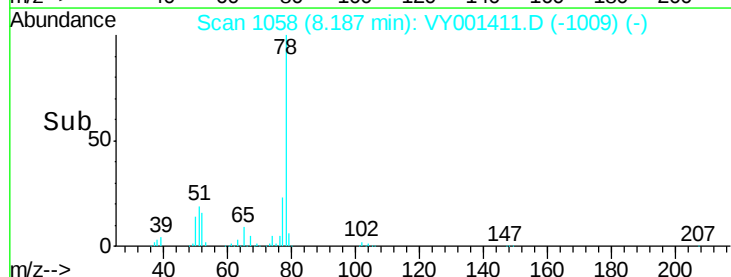
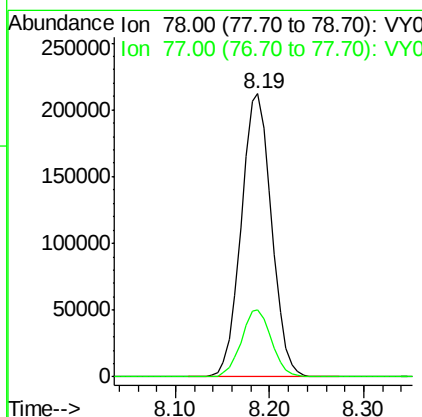
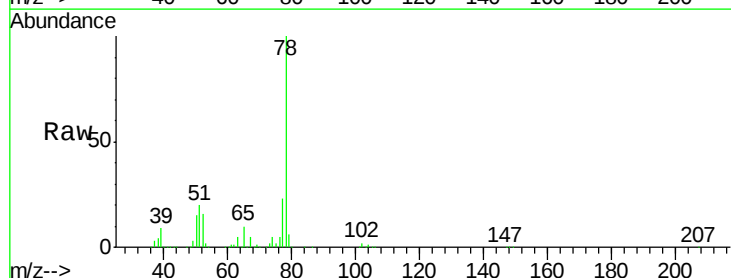
Manual Integrations
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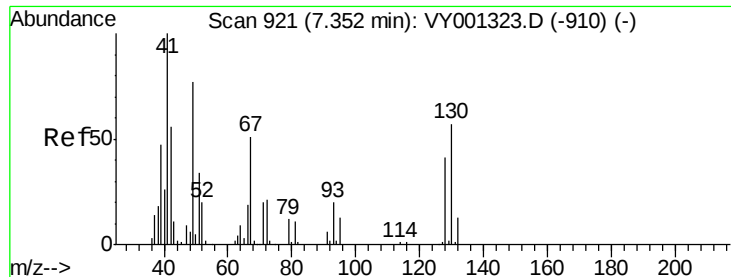
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#40
Benzene
Concen: 48.860 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	27.8





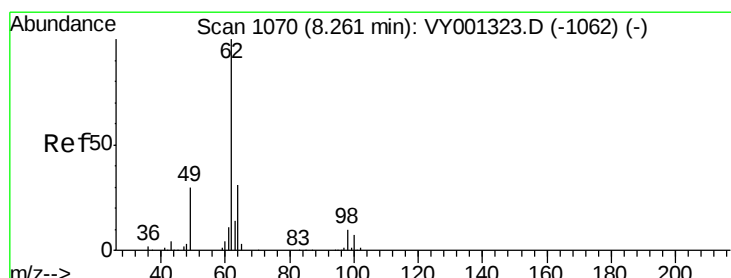
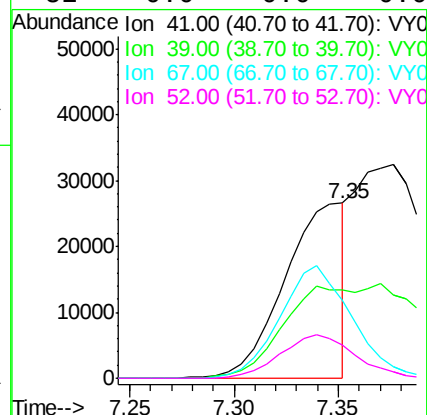
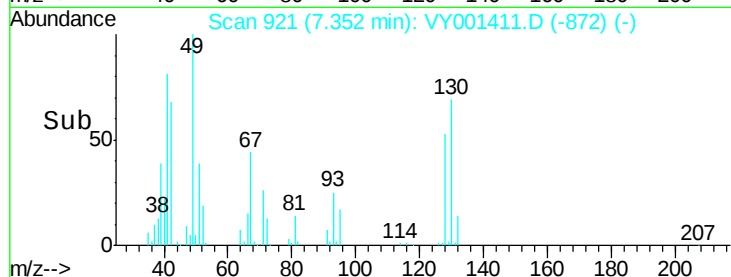
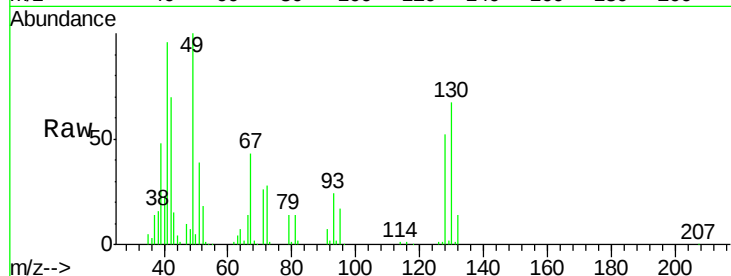
#41
Methacrylonitrile
Concen: 52.586 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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

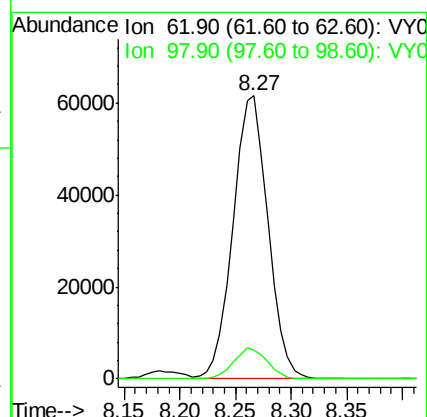
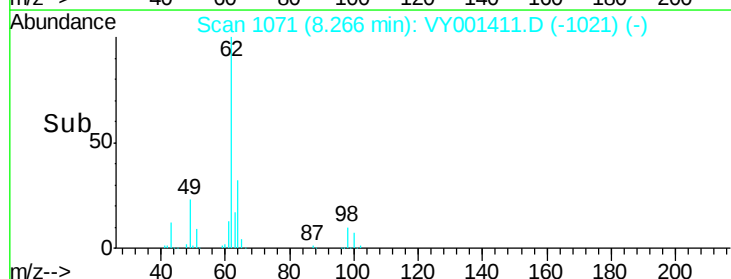
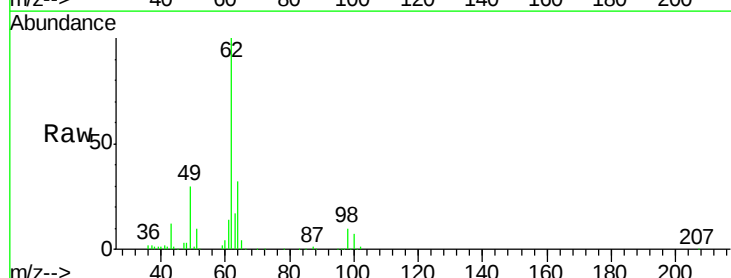
Manual Integrations
APPROVED

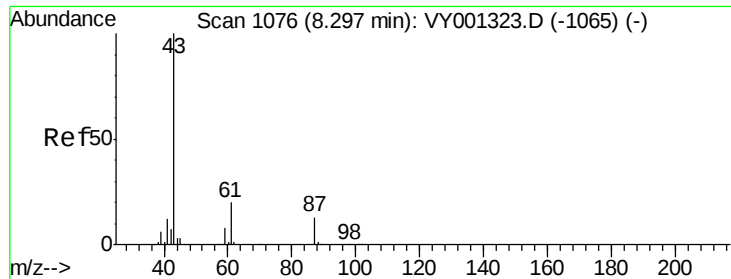
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#42
1,2-Dichloroethane
Concen: 49.236 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.8





#43

Isopropyl Acetate

Concen: 49.545 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

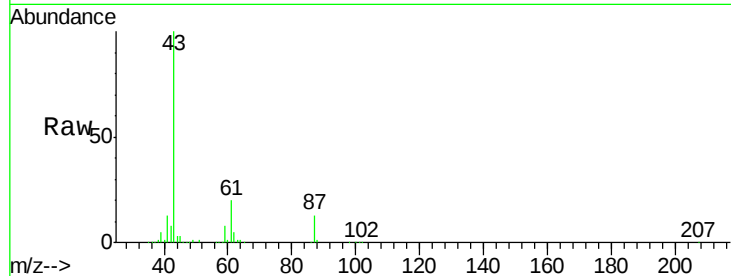
ClientSampleId :

VSTDCCC050EC

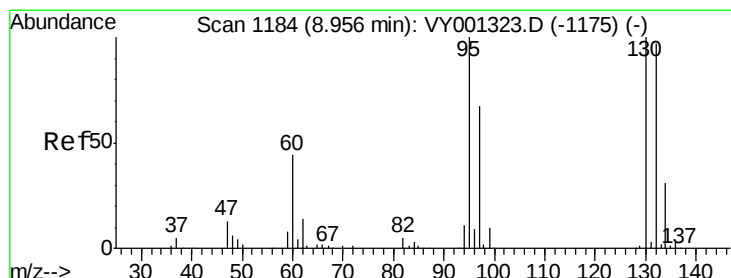
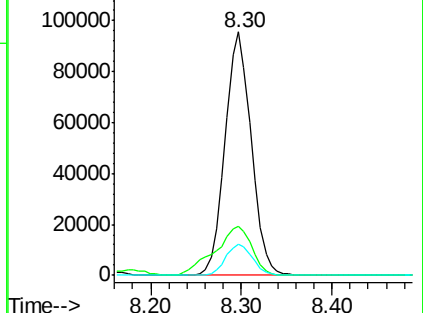
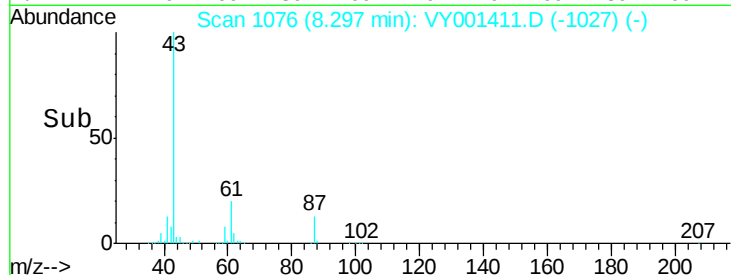
Tot Ion:	43	Resp:	191492
Ion	Ratio	Lower	Upper
43	100		
61	28.6	22.7	34.1
87	13.1	11.0	16.4

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Abundance Ion 43.00 (42.70 to 43.70): VY001411.D (-1027) (-)



#44

Trichloroethene

Concen: 48.061 ug/l

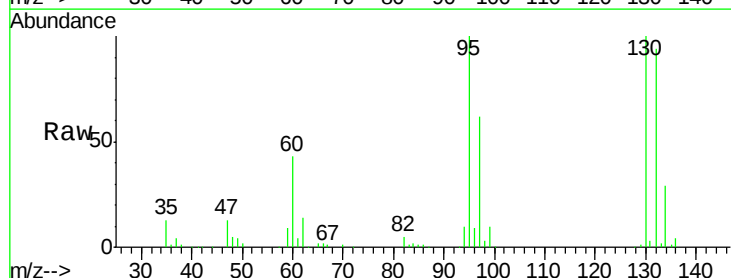
RT: 8.96 min Scan# 1185

Delta R.T. 0.01 min

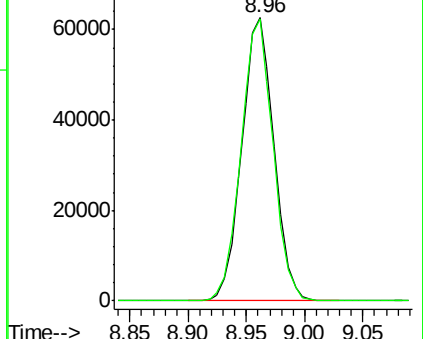
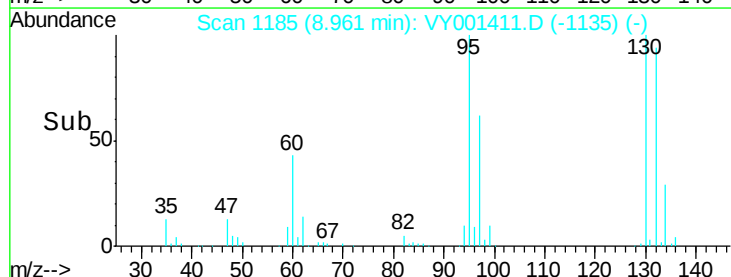
Lab File: VY001411.D

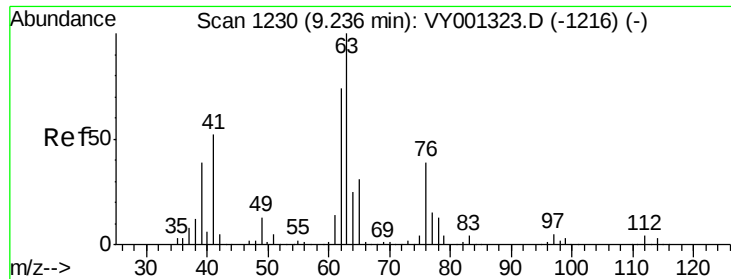
Acq: 27 Jan 2020 17:12

Tgt Ion:	130	Resp:	120305
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	200.0



Abundance Ion 129.80 (129.50 to 130.50): VY001411.D (-1135) (-)





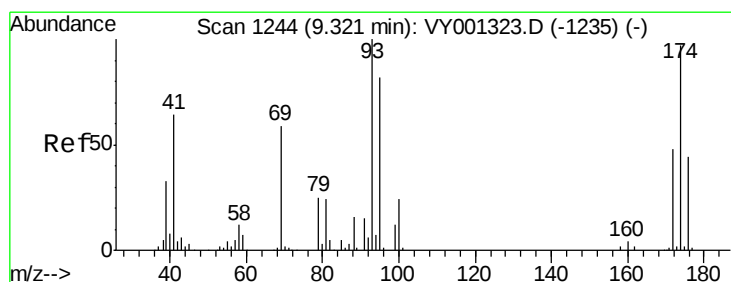
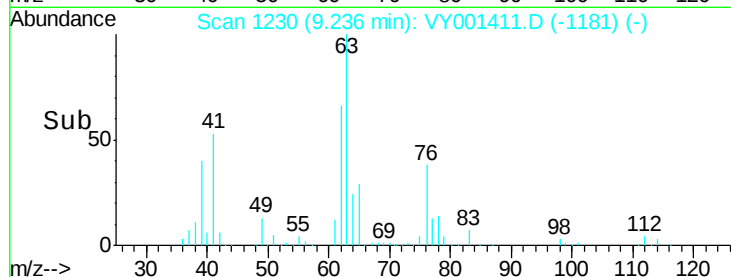
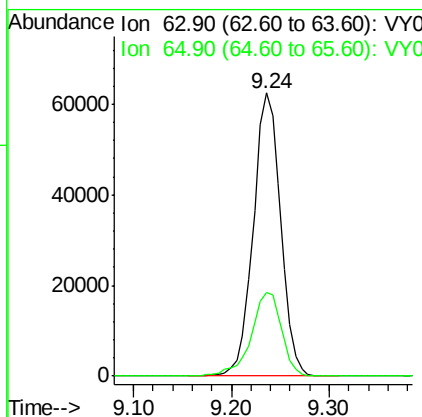
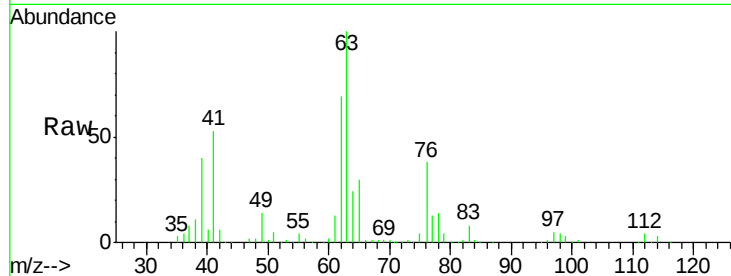
#45
 1,2-Dichloropropane
 Concen: 49.372 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 121749
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.9 37.3

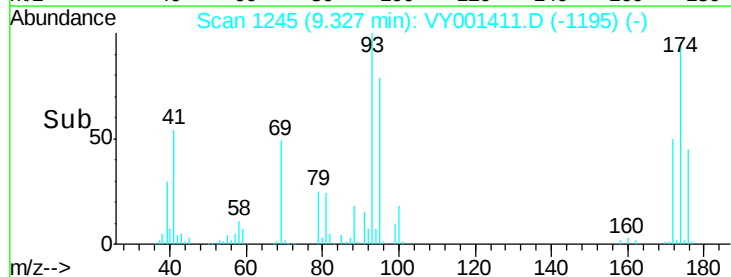
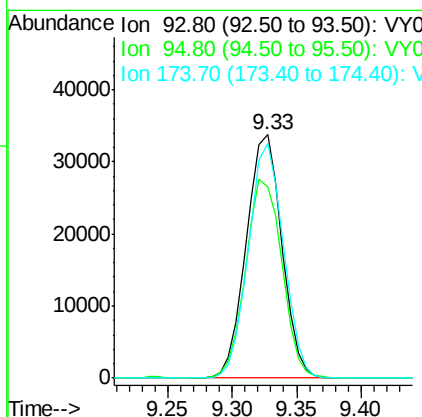
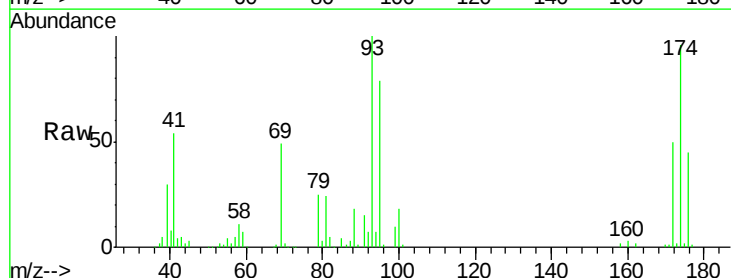
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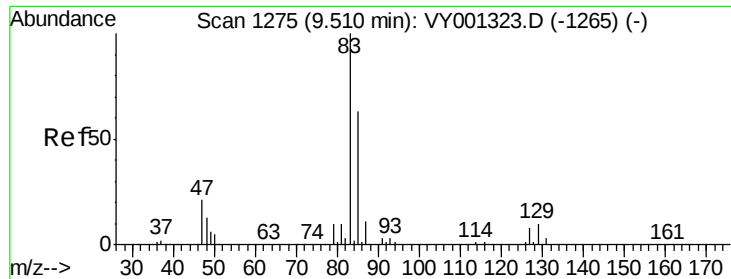
MMDadoda
 1/28/2020 3:40:34 PM



#46
 Dibromomethane
 Concen: 48.693 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion: 93 Resp: 64462
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.5 99.7
 174 95.0 77.9 116.9





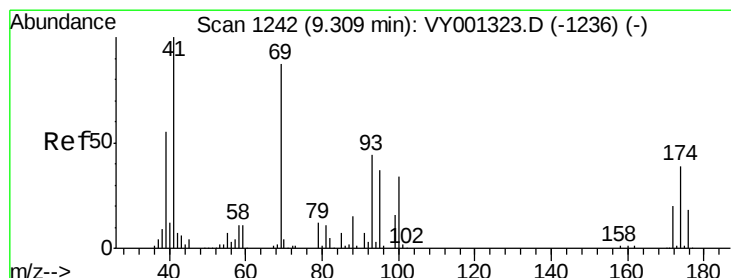
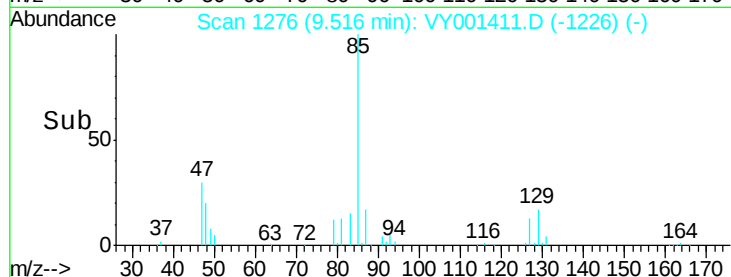
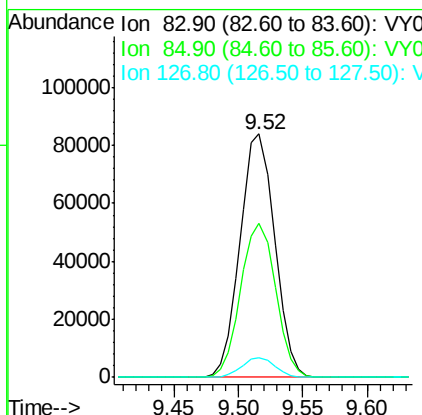
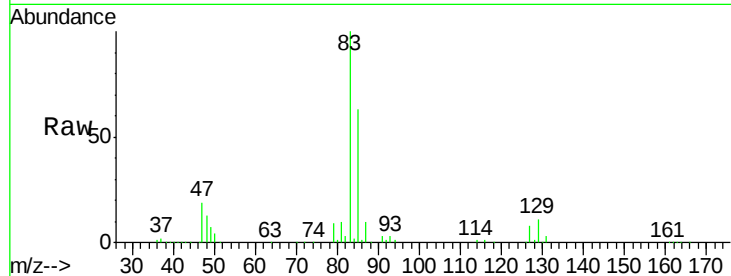
#47
Bromodichloromethane
Concen: 49.541 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.2	75.2
127	8.1	6.4	9.6

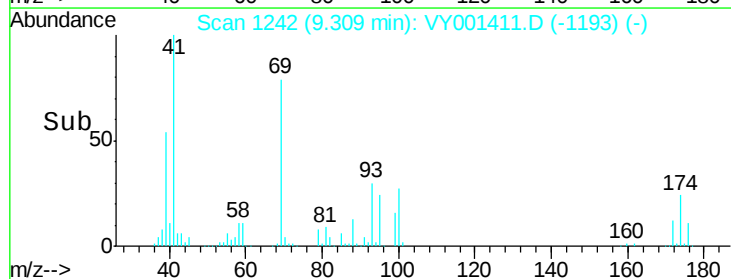
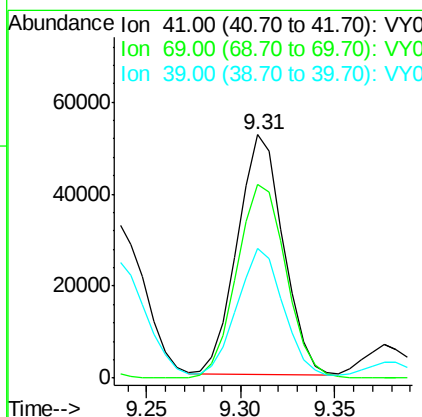
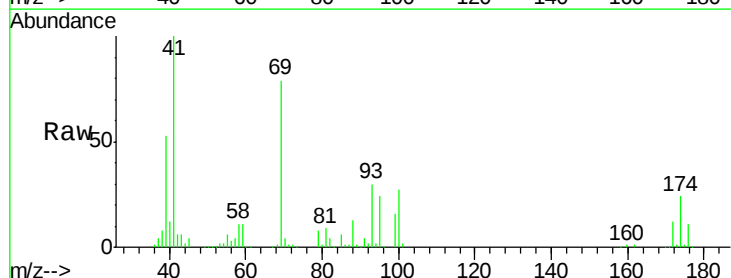
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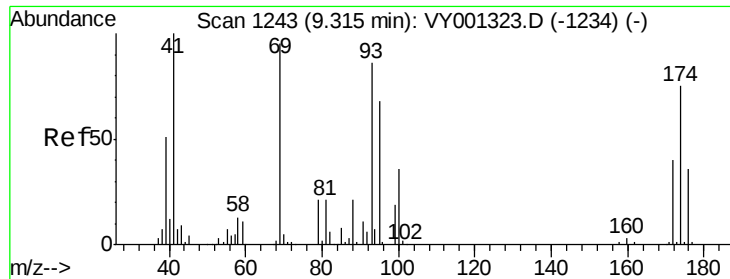
MMDadoda
1/28/2020 3:40:34 PM



#48
Methyl methacrylate
Concen: 50.234 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.7	70.2	105.4
39	56.1	45.7	68.5





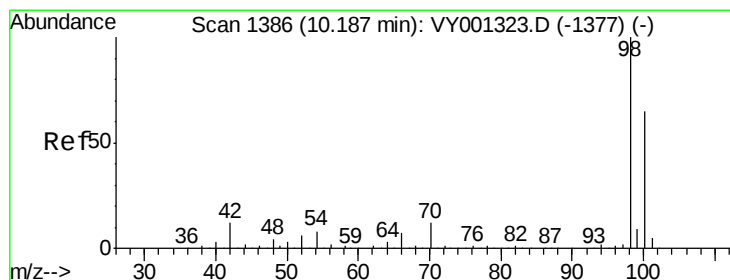
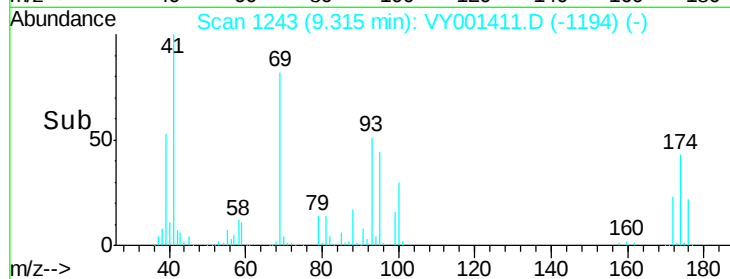
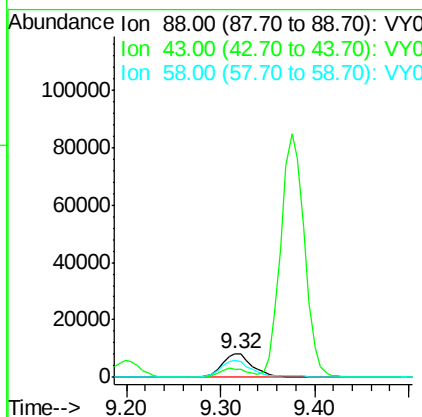
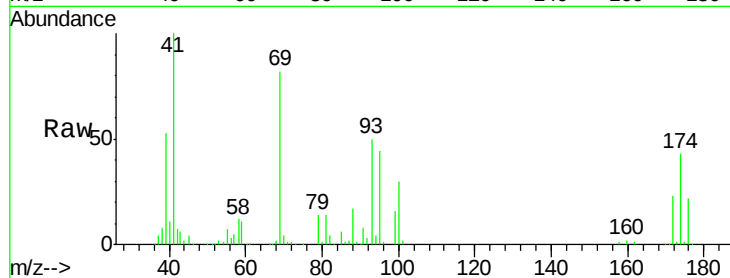
#49
 1,4-Dioxane
 Concen: 1012.914 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	28.2	42.2
58	71.5	55.6	83.4

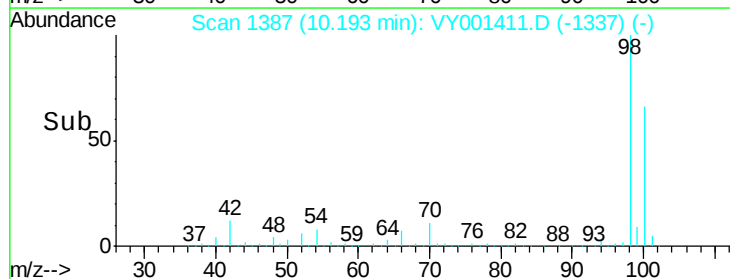
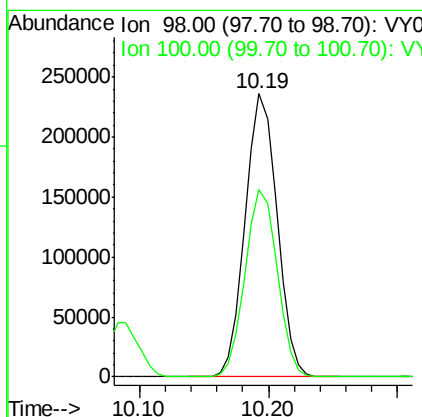
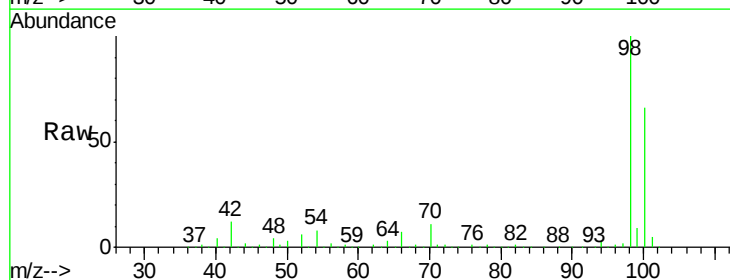
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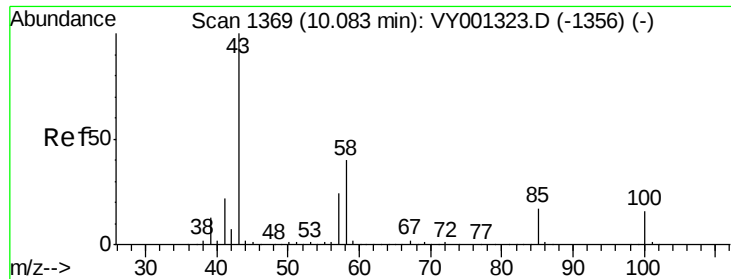
MMDadoda
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#50
 Toluene-d8
 Concen: 51.554 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.01 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 252.728 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 503034

Ion Ratio Lower Upper

43 100

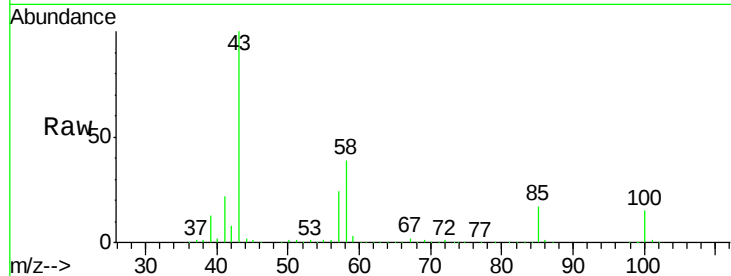
58 39.1 31.5 47.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

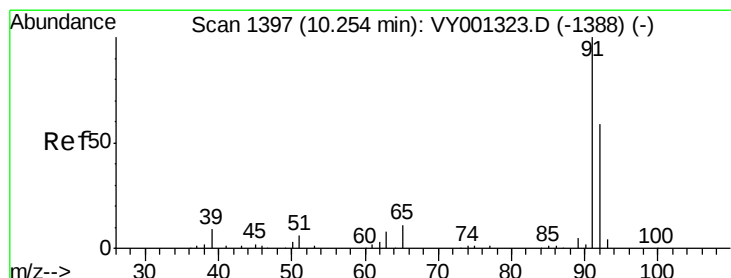
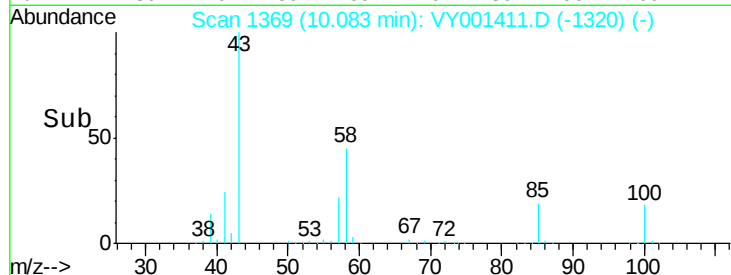
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.749 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001411.D

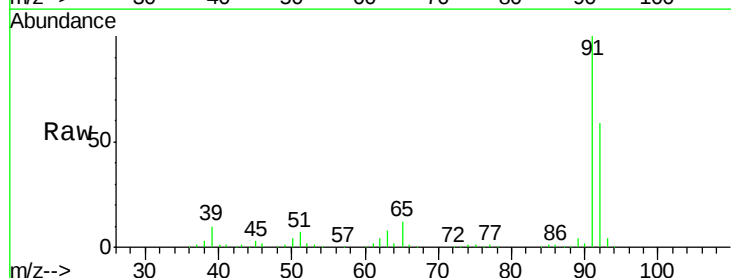
Acq: 27 Jan 2020 17:12

Tgt Ion: 92 Resp: 301443

Ion Ratio Lower Upper

92 100

91 171.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.26

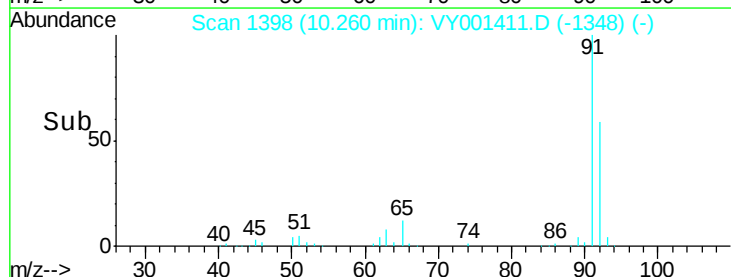
300000

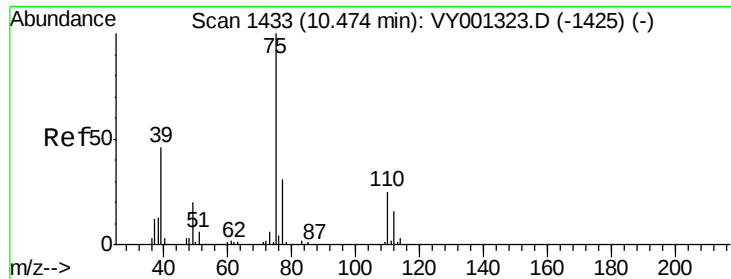
200000

100000

0

Time-->





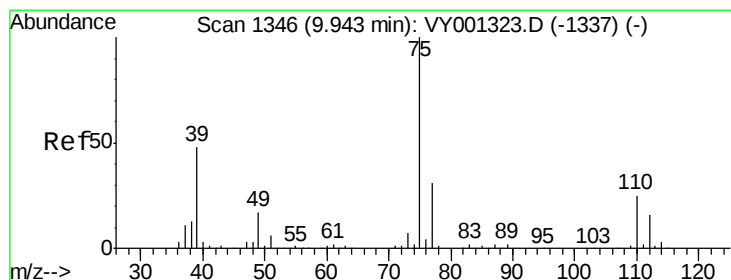
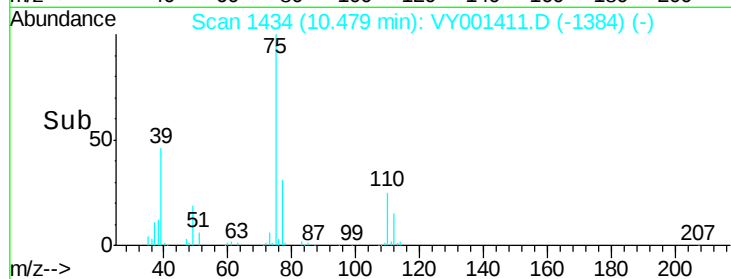
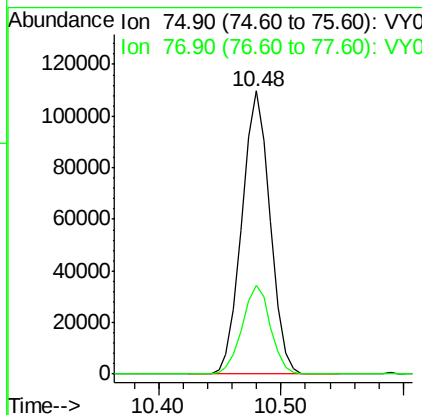
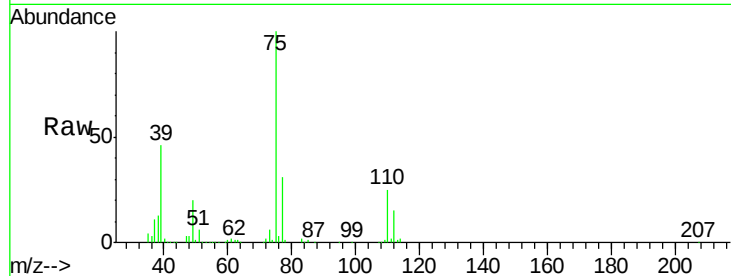
#53
t-1,3-Dichloropropene
Concen: 50.003 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 175399
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8

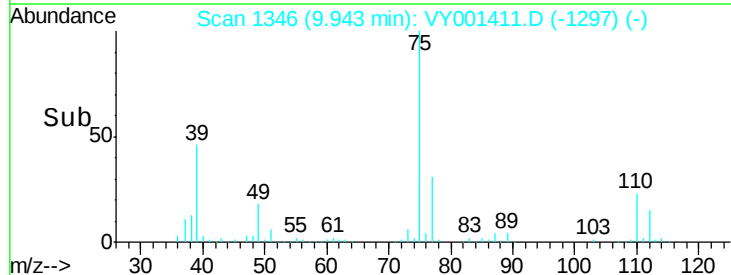
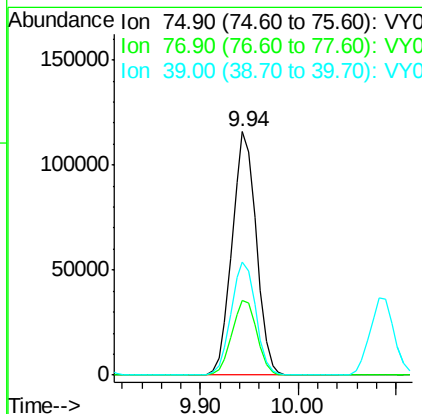
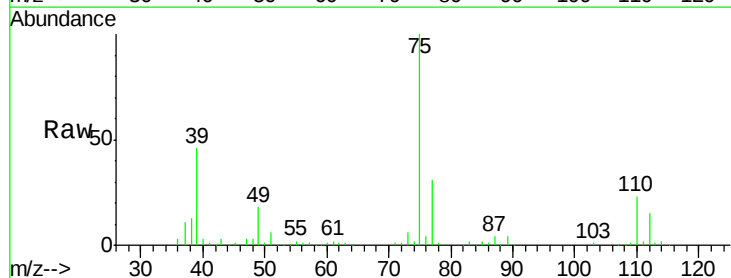
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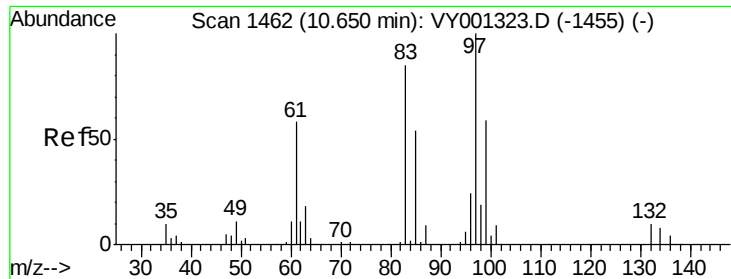
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.332 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion: 75 Resp: 198618
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6
39 46.2 38.2 57.4





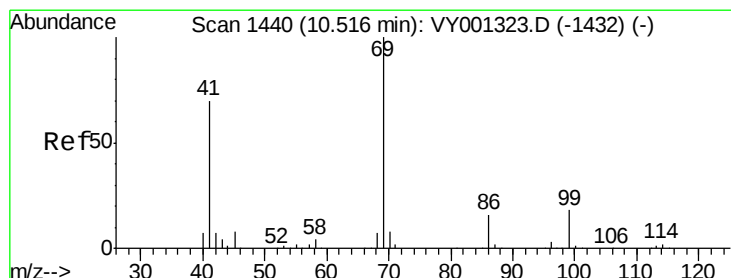
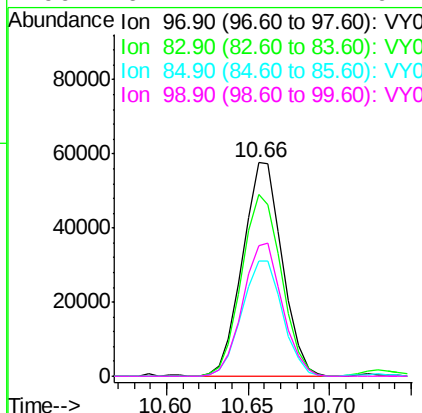
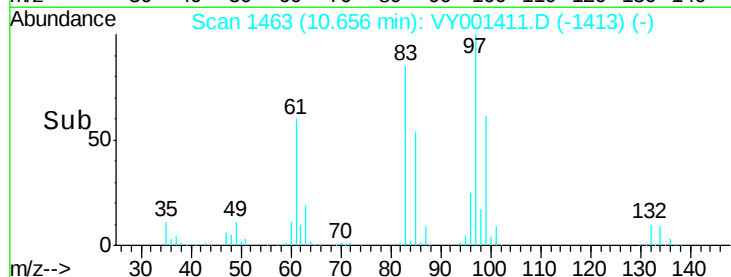
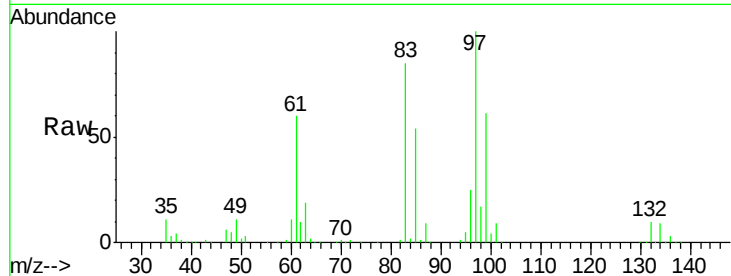
#55
1,1,2-Trichloroethane
Concen: 49.835 ug/l
RT: 10.66 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.0	102.0
85	54.1	43.6	65.4
99	61.1	47.1	70.7

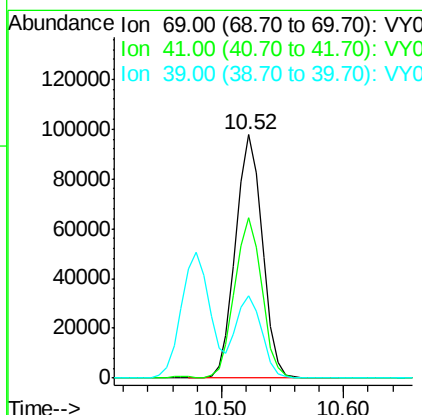
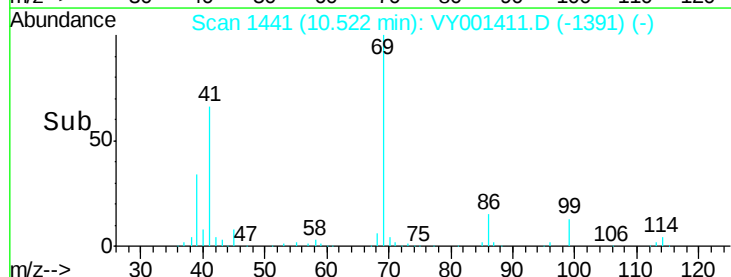
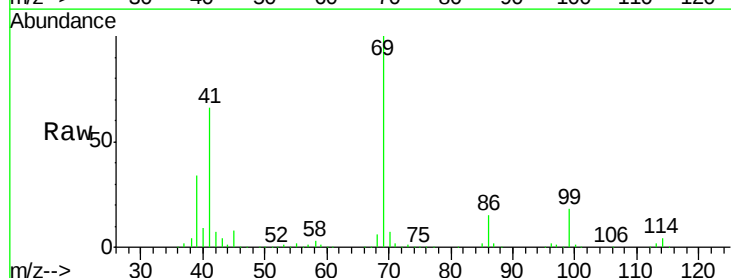
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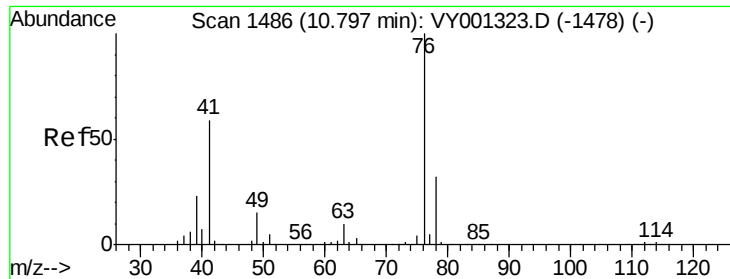
MMDadoda
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#56
Ethyl methacrylate
Concen: 50.205 ug/l
RT: 10.52 min Scan# 1441
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.2	54.1	81.1
39	32.5	26.8	40.2





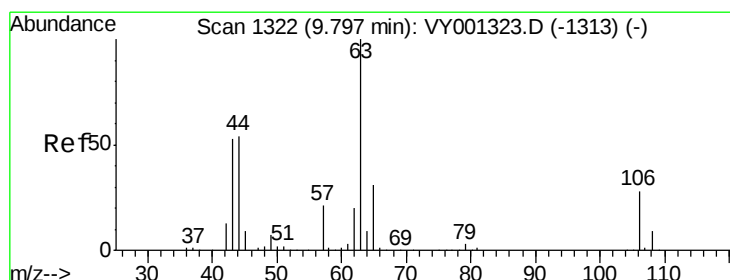
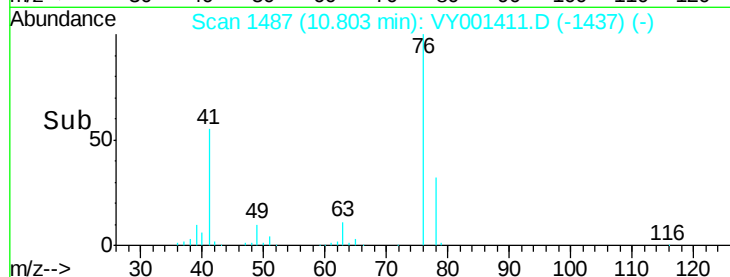
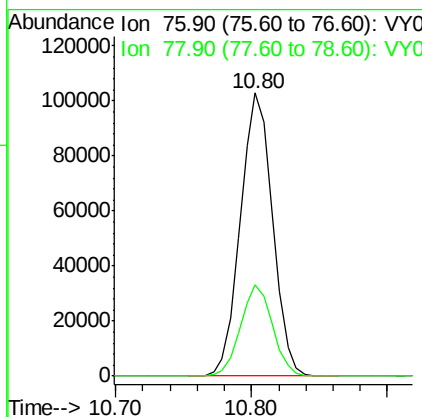
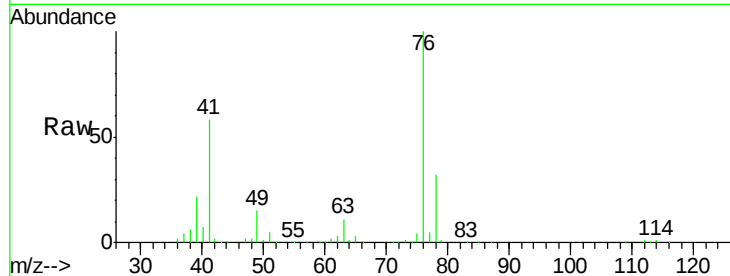
#57
 1,3-Dichloropropane
 Concen: 49.980 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 170123
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

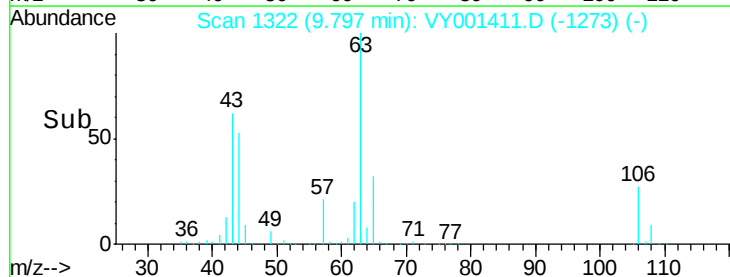
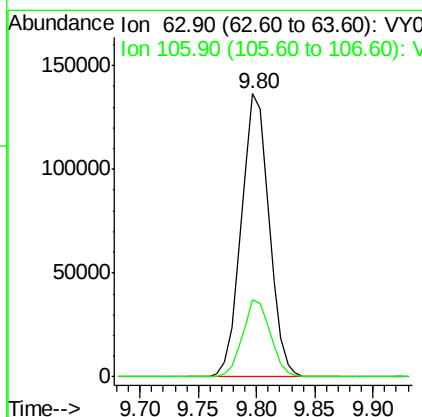
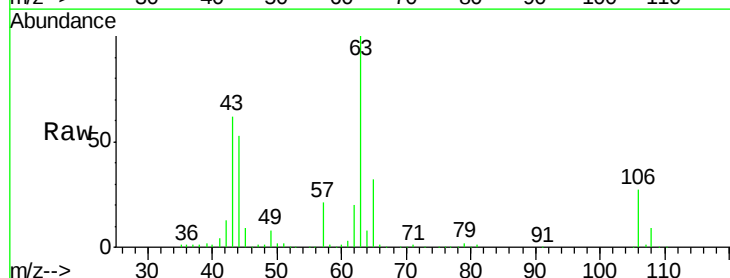
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#58
 2-Chloroethyl Vinyl ether
 Concen: 223.057 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion: 63 Resp: 227952
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.5 33.7





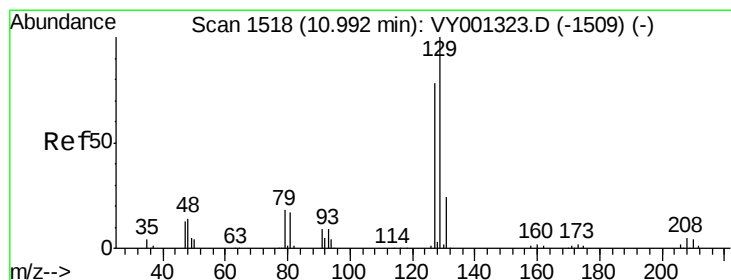
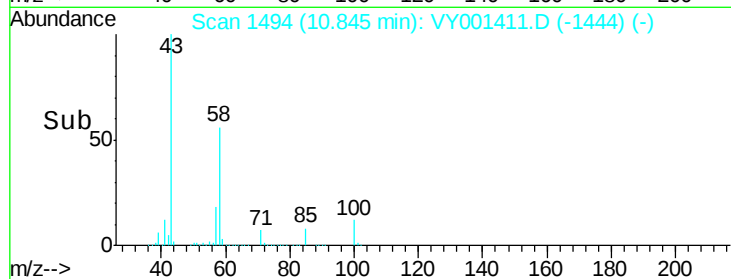
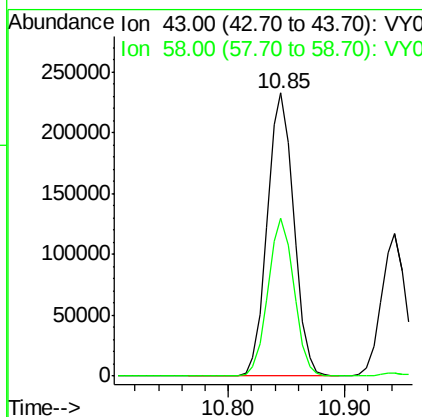
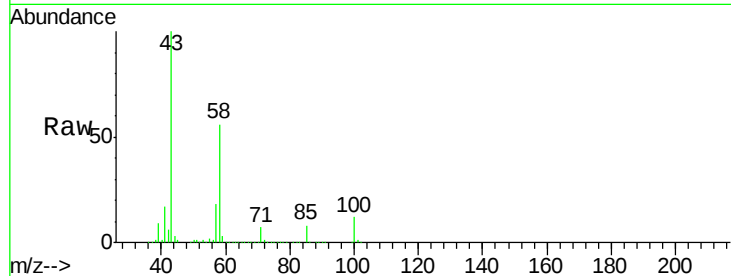
#59
2-Hexanone
Concen: 263.229 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 364749
Ion Ratio Lower Upper
43 100
58 54.8 27.6 82.8

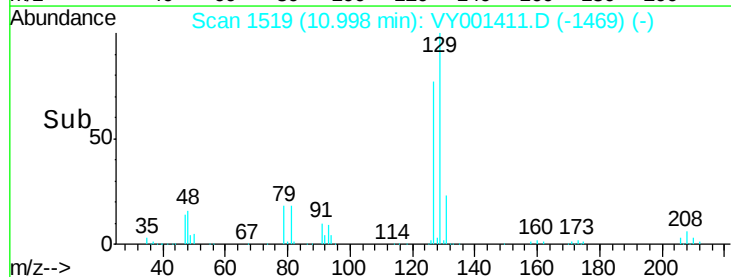
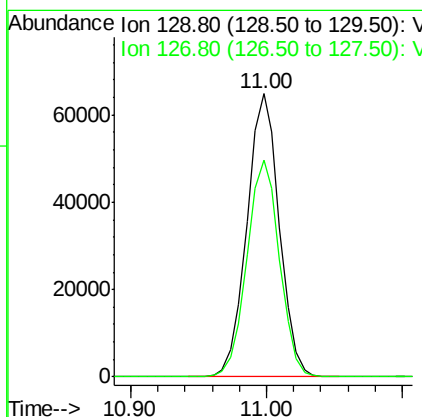
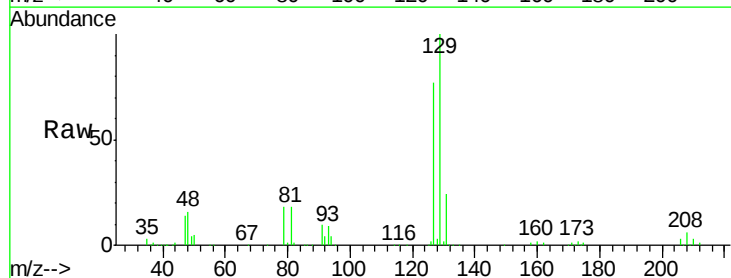
Manual Integrations
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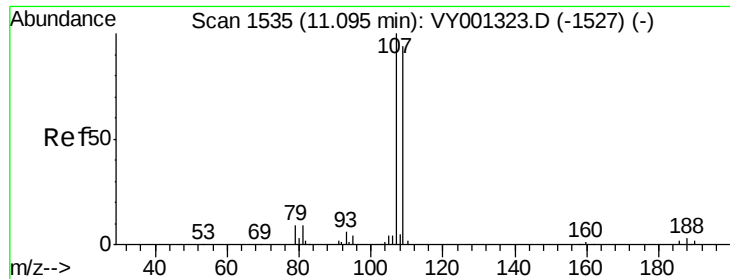
MMDadoda
1/28/2020 3:40:34 PM



#60
Dibromochloromethane
Concen: 49.474 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion: 129 Resp: 108122
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4





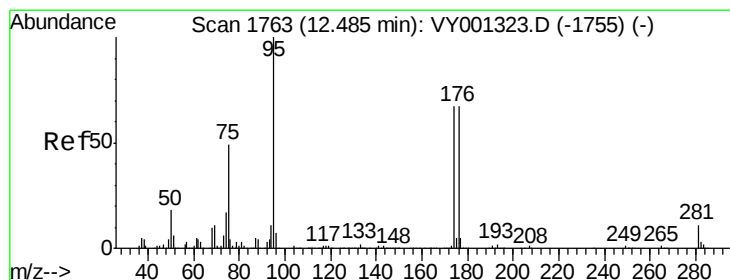
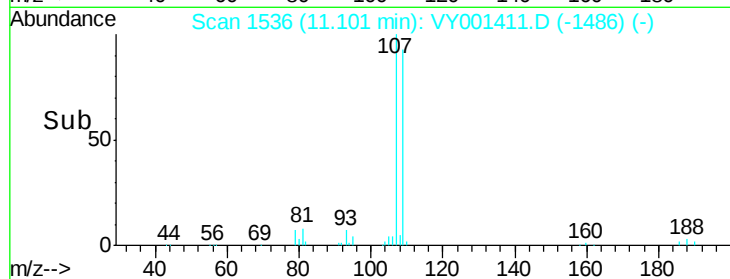
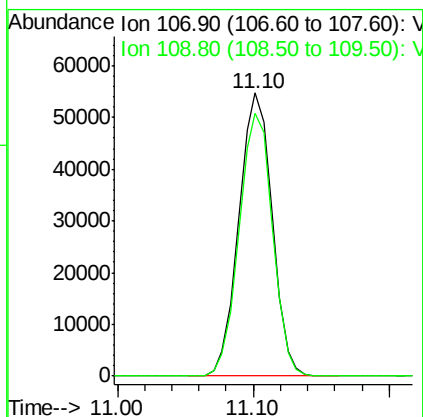
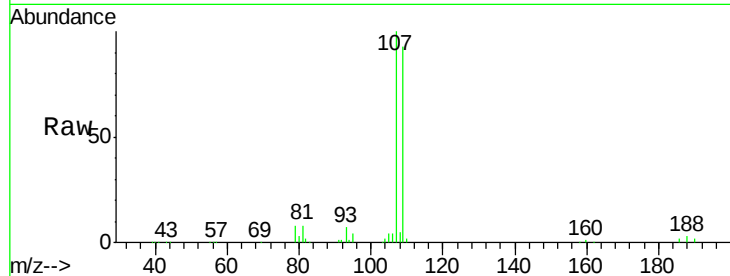
#61
 1,2-Dibromoethane
 Concen: 50.633 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 93529
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.0 112.6

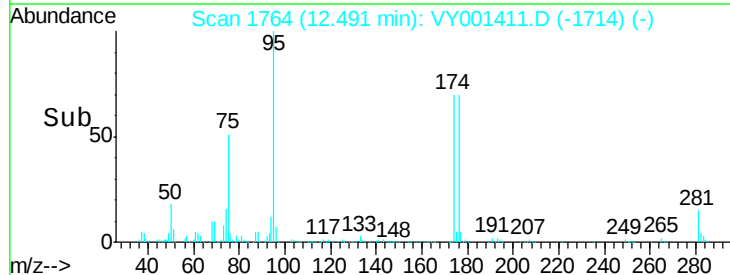
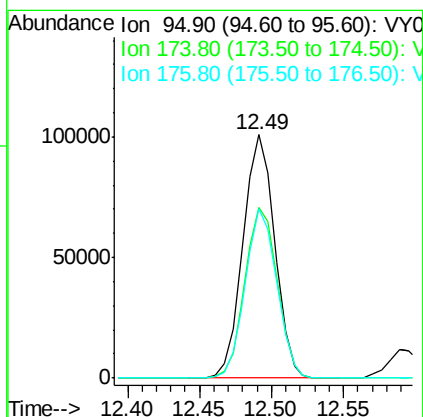
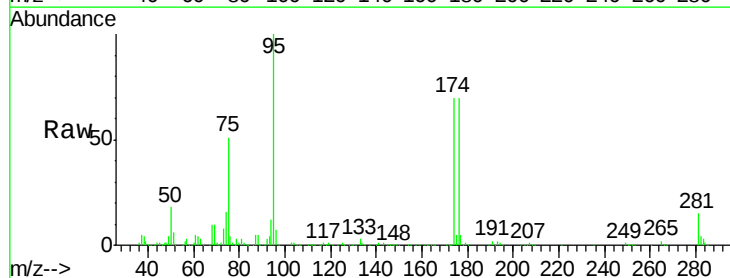
Manual Integrations
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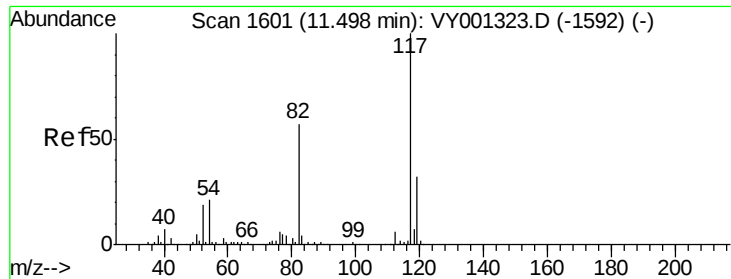
MMDadoda
 1/28/2020 3:40:34 PM



#62
 4-Bromofluorobenzene
 Concen: 49.069 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion: 95 Resp: 153441
 Ion Ratio Lower Upper
 95 100
 174 71.4 0.0 142.0
 176 69.5 0.0 138.6





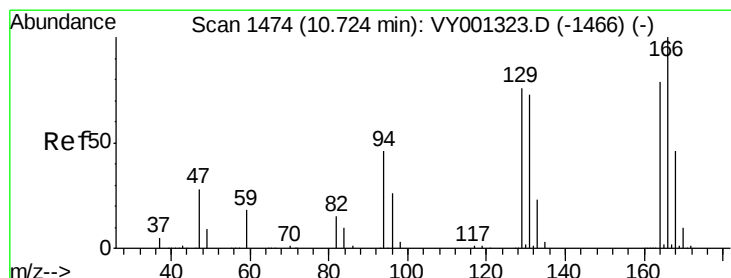
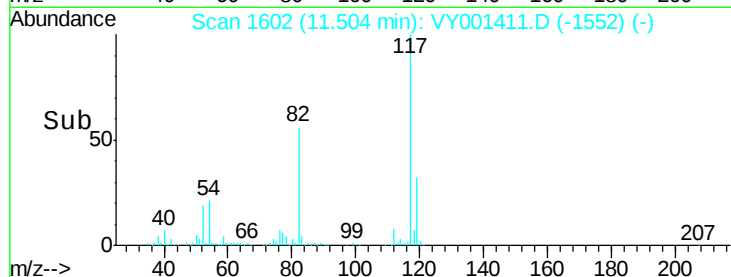
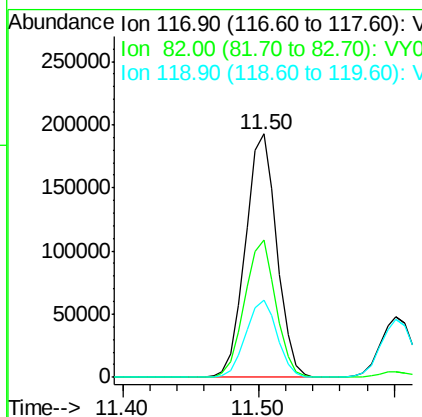
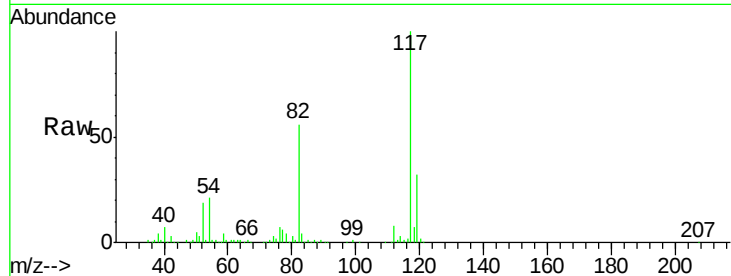
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	310731		
82	56.3		45.5	68.3
119	31.5		25.8	38.6

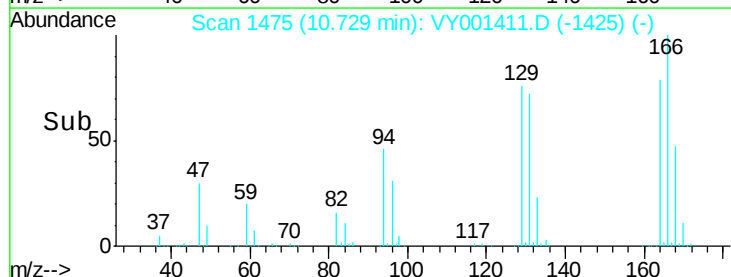
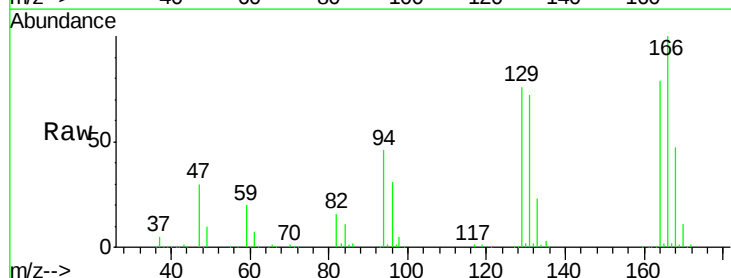
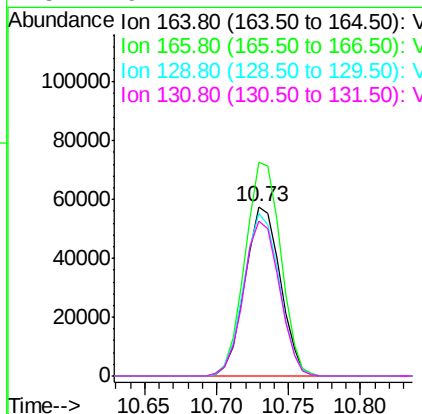
Manual Integrations
APPROVED

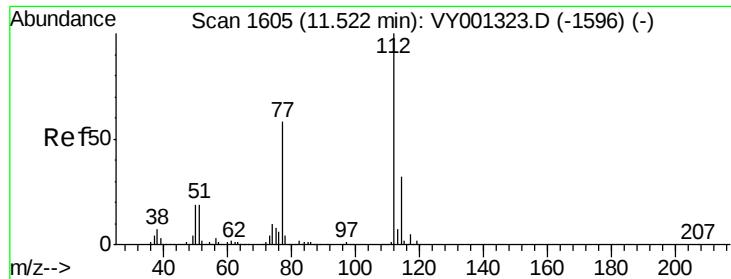
MMDadoda
1/28/2020 3:40:34 PM



#64
Tetrachloroethene
Concen: 49.347 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97945		
166	126.1		101.8	152.8
129	95.8		77.1	115.7
131	91.4		74.2	111.2





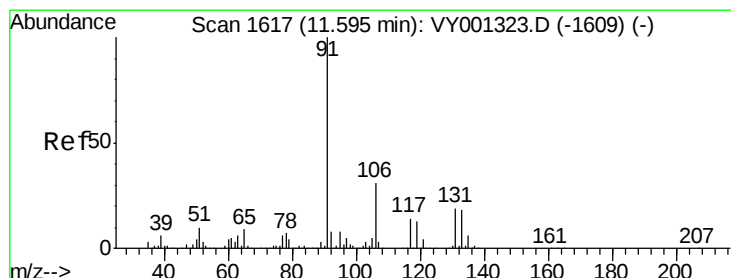
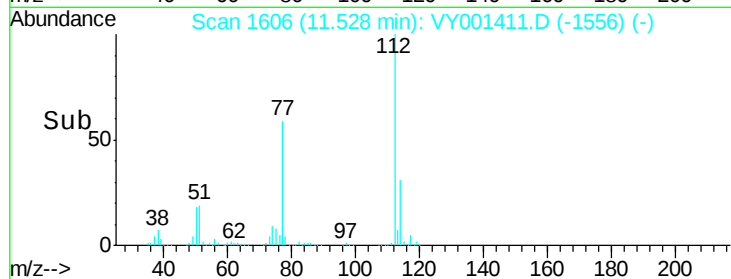
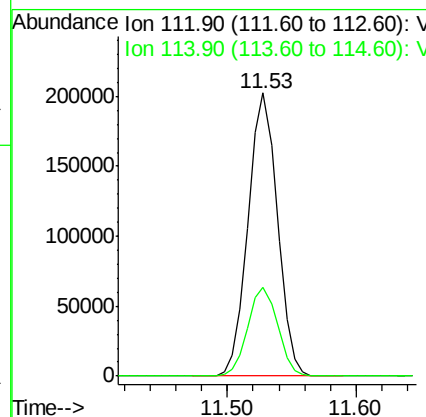
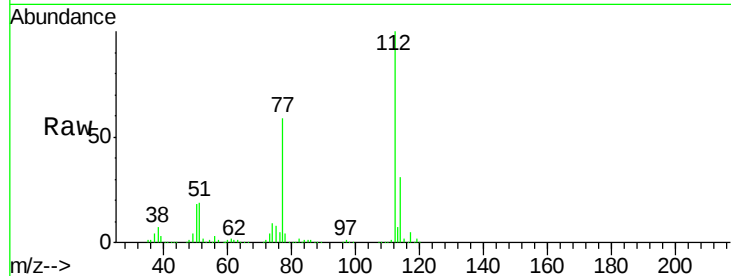
#65
Chlorobenzene
Concen: 48.490 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 317600
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6

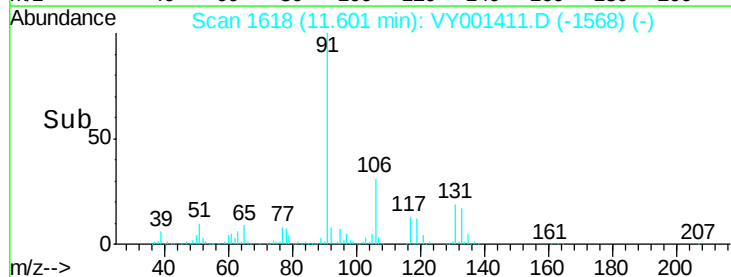
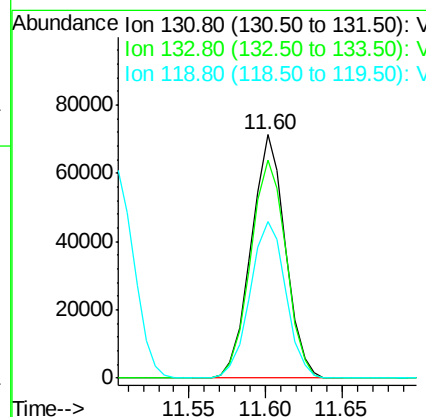
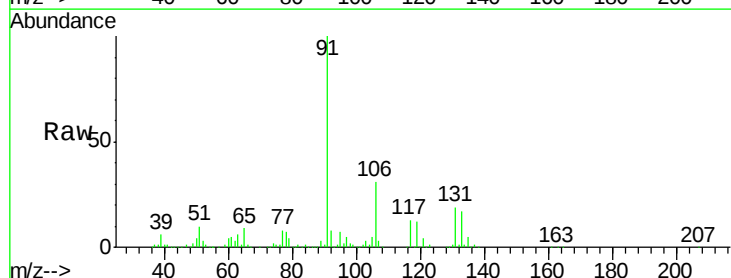
Manual Integrations
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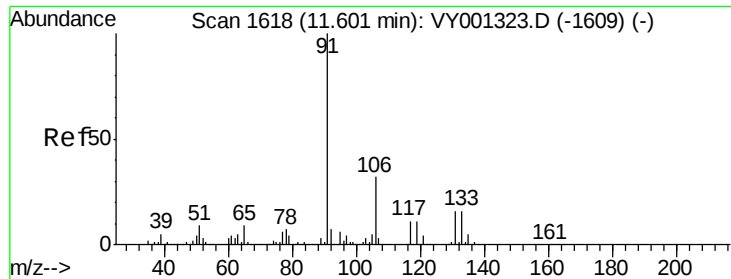
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.586 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion:131 Resp: 110835
Ion Ratio Lower Upper
131 100
133 93.1 47.1 141.3
119 67.1 34.1 102.2





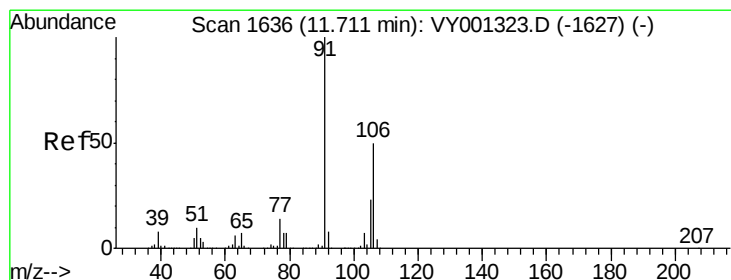
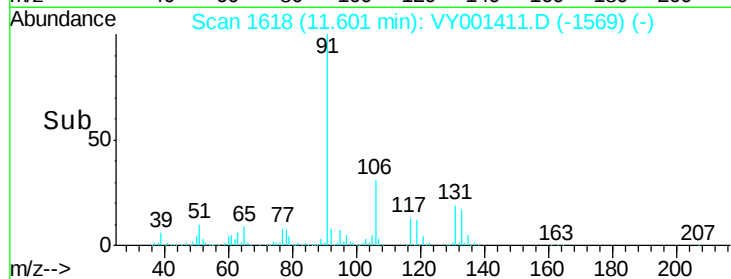
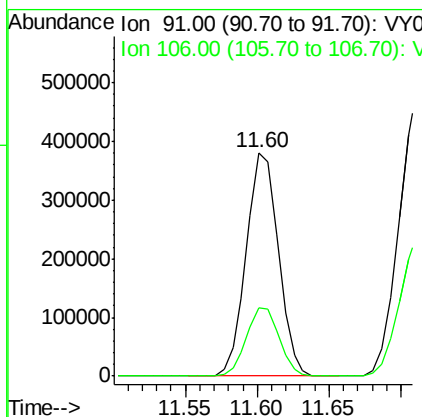
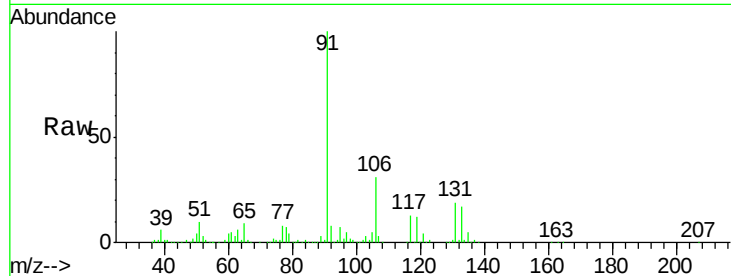
#67
Ethyl Benzene
Concen: 48.701 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 587846
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.0

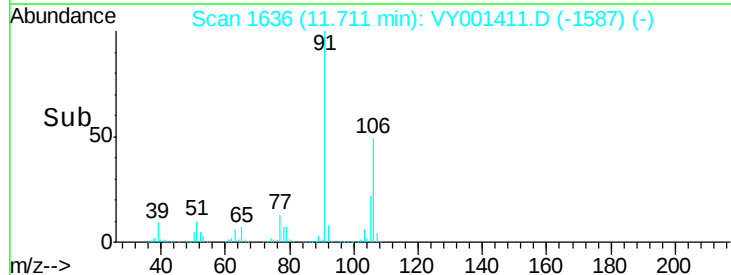
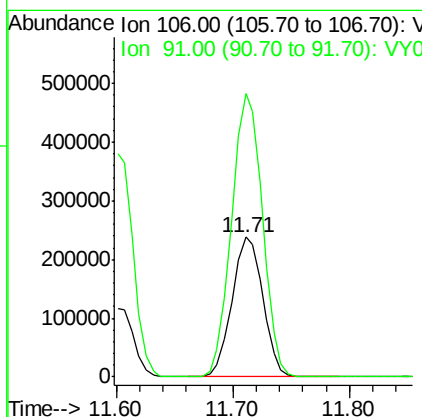
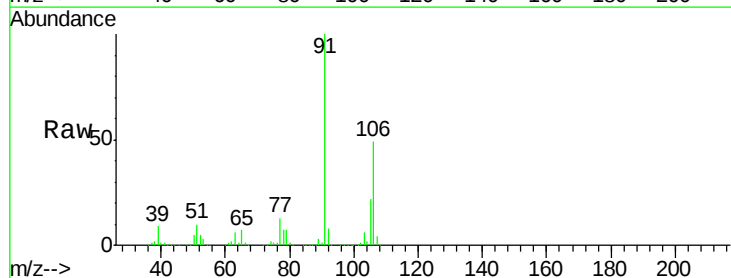
Manual Integrations
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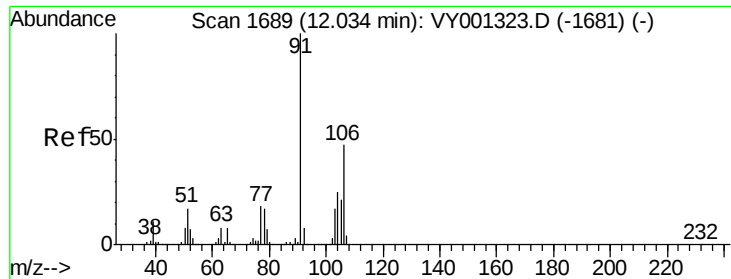
MMDadoda
1/28/2020 3:40:34 PM



#68
m/p-Xylenes
Concen: 97.570 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion: 106 Resp: 439862
Ion Ratio Lower Upper
106 100
91 202.4 162.8 244.2





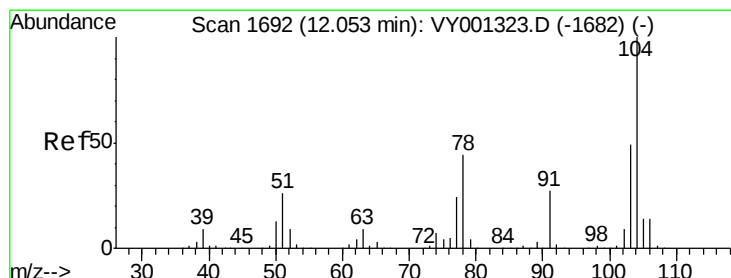
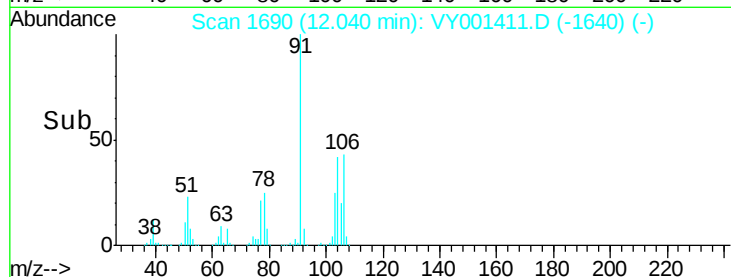
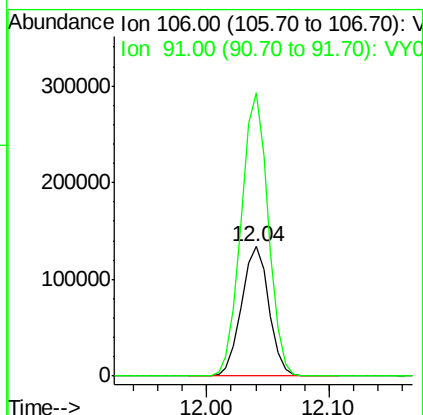
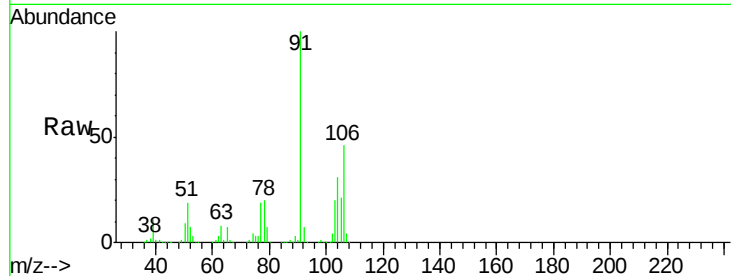
#69
o-Xylene
Concen: 47.854 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 207539
Ion Ratio Lower Upper
106 100
91 216.6 106.3 319.0

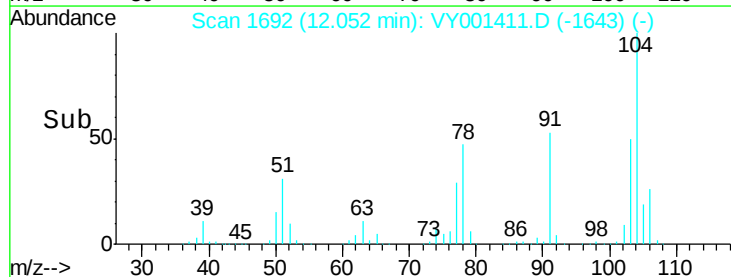
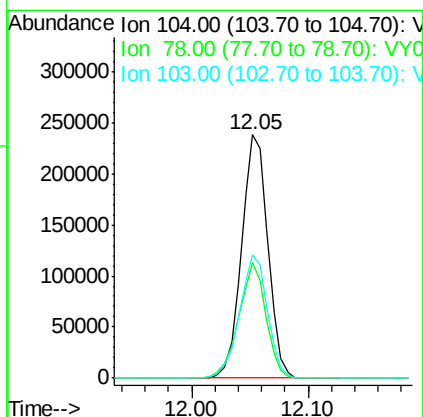
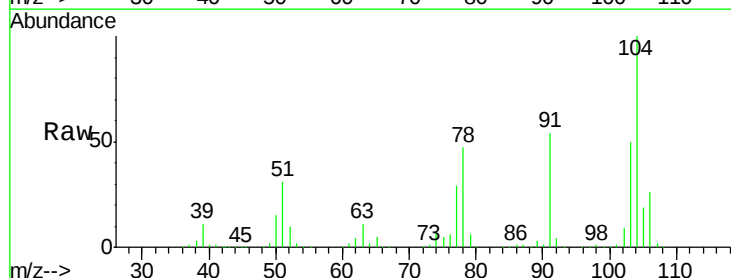
Manual Integrations
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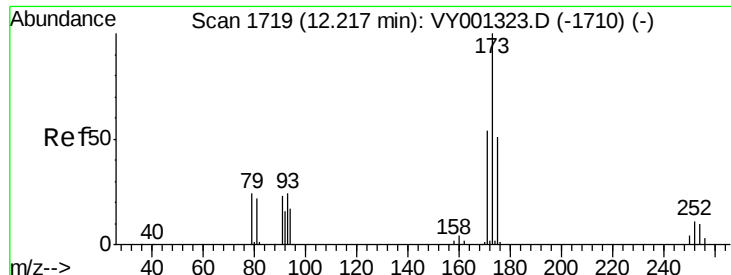
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#70
Styrene
Concen: 49.101 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion:104 Resp: 373622
Ion Ratio Lower Upper
104 100
78 49.2 39.8 59.8
103 53.8 43.2 64.8





#71

Bromoform

Concen: 48.617 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 64869

Ion Ratio Lower Upper

173 100

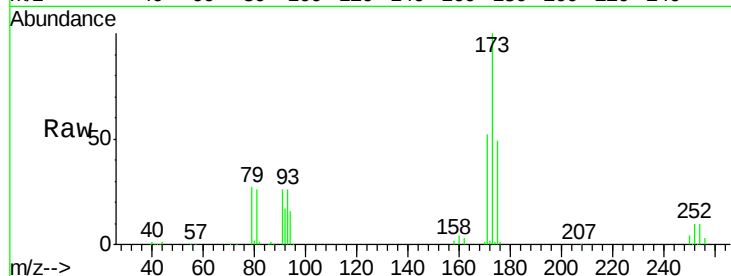
175 48.9 24.3 72.9

254 0.0 0.0 0.0

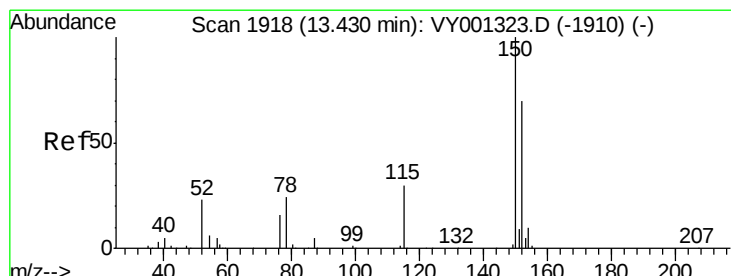
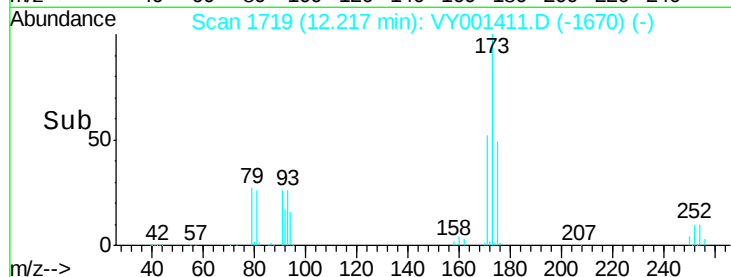
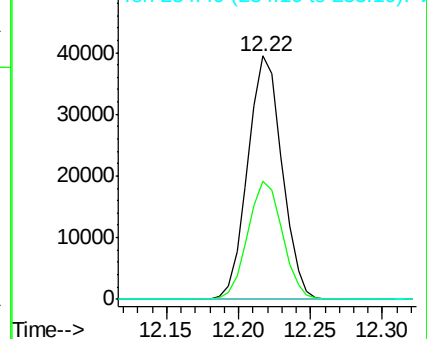
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

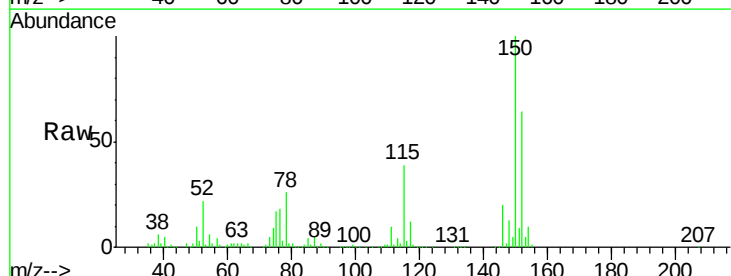
Tgt Ion:152 Resp: 150788

Ion Ratio Lower Upper

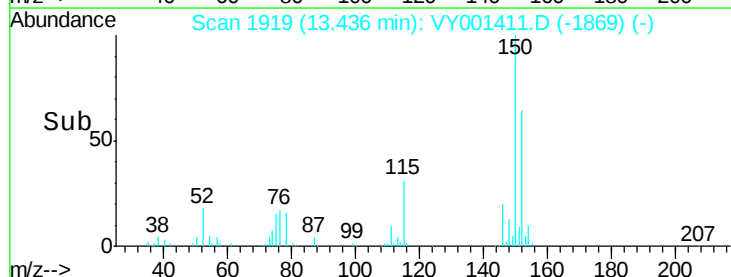
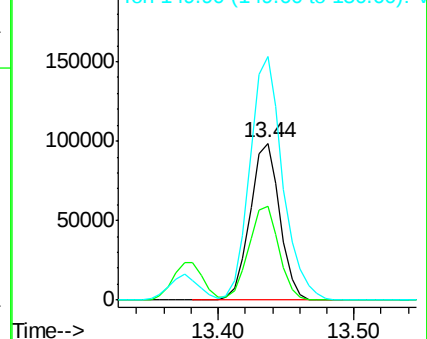
152 100

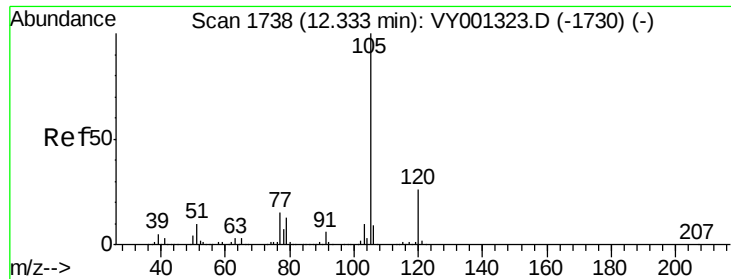
115 60.5 30.9 92.8

150 171.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.399 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 563976

Ion Ratio Lower Upper

105 100

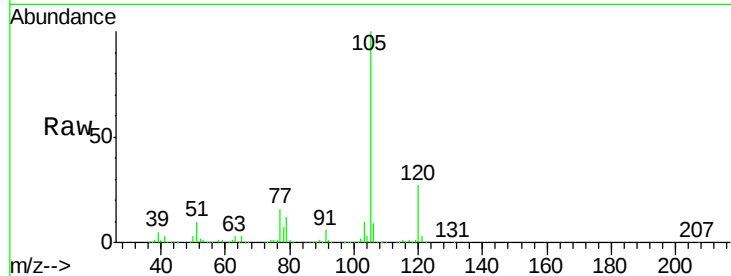
120 26.7 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

400000

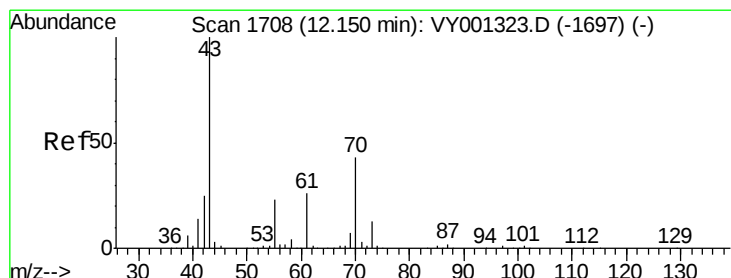
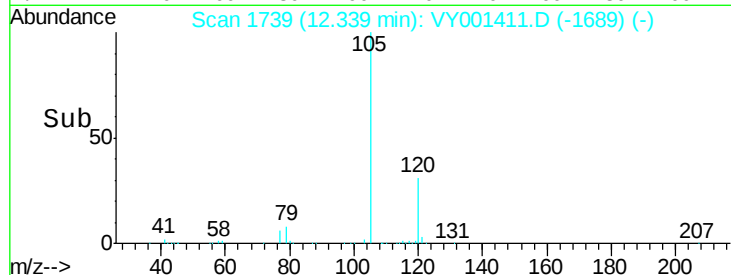
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.158 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Tgt Ion: 43 Resp: 191457

Ion Ratio Lower Upper

43 100

70 42.4 33.5 50.3

55 23.0 18.2 27.2

61 24.7 19.6 29.4

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

200000

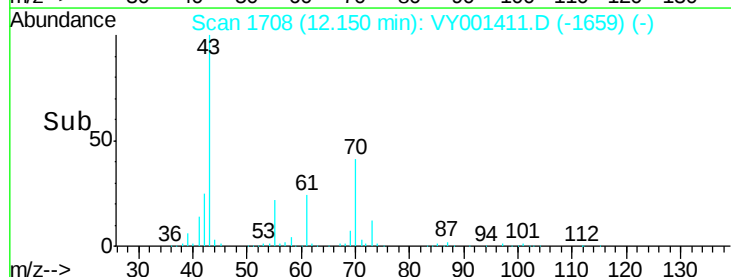
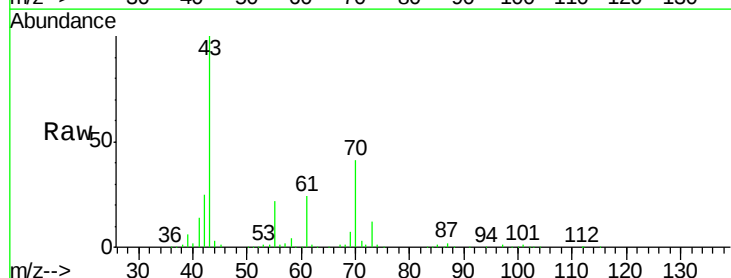
150000

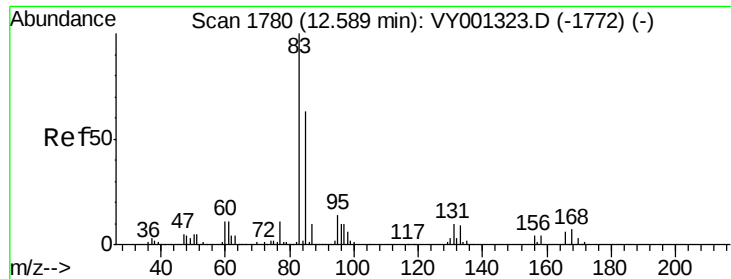
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.994 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

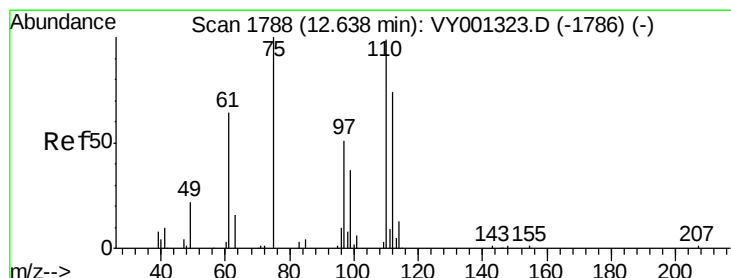
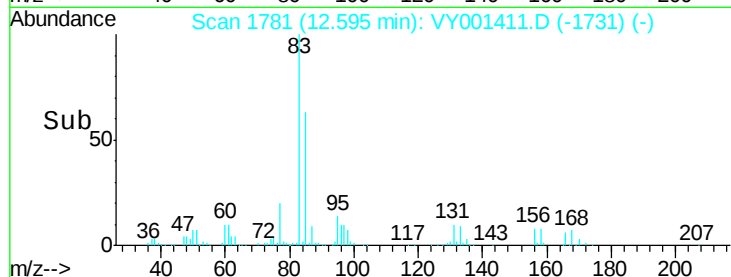
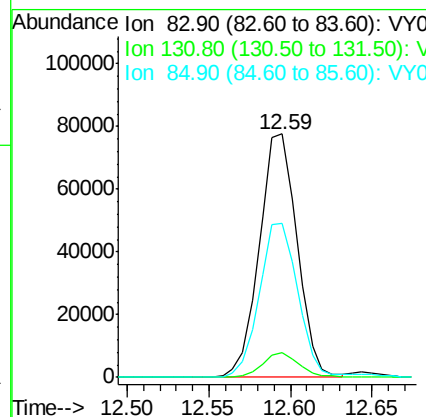
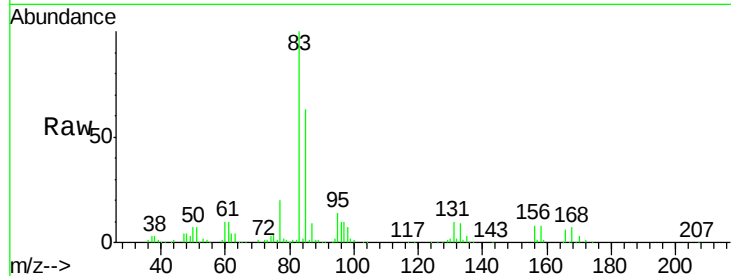
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	124848
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	64.4	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.170 ug/l m

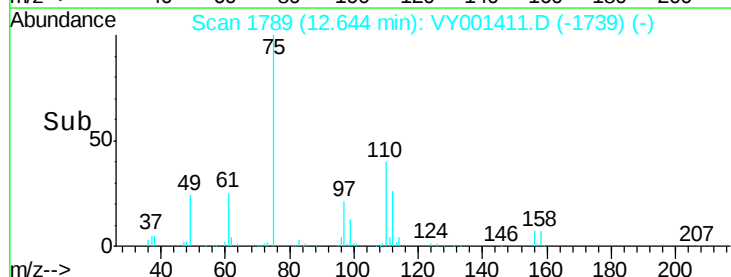
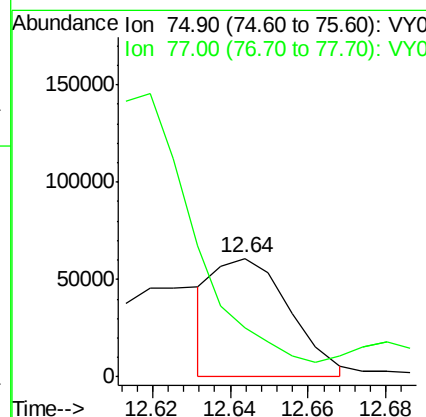
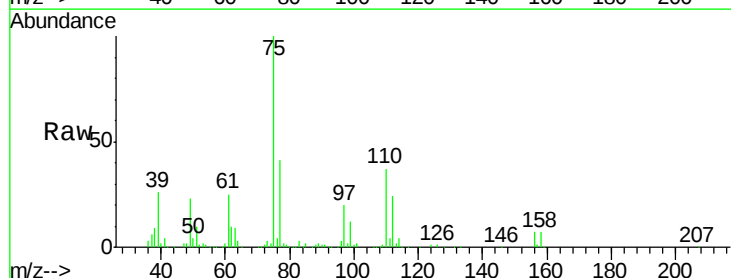
RT: 12.64 min Scan# 1789

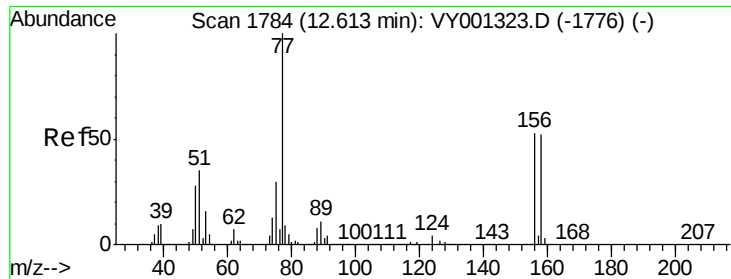
Delta R.T. 0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Tgt Ion:	75	Resp:	82075
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.007 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

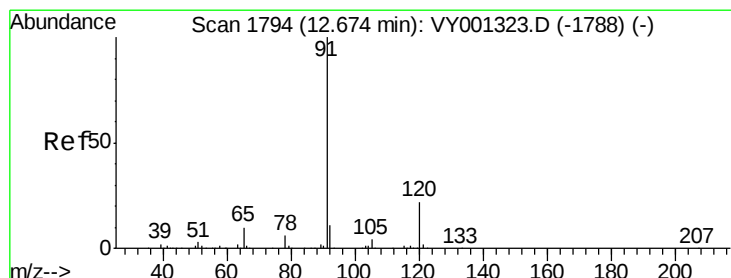
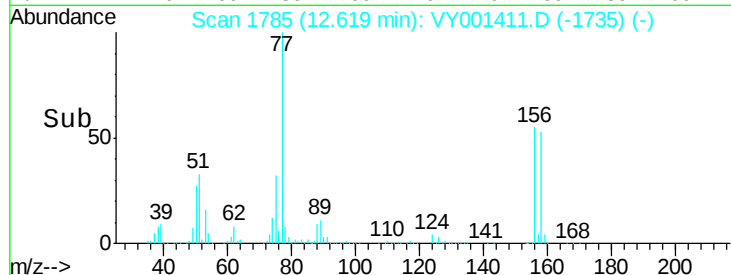
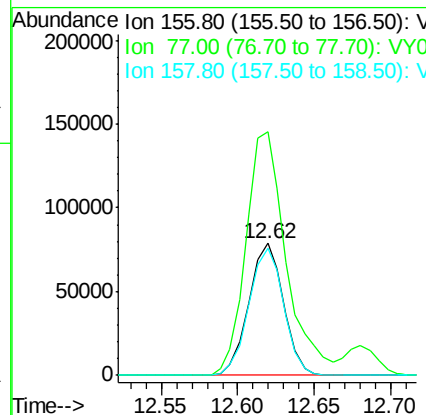
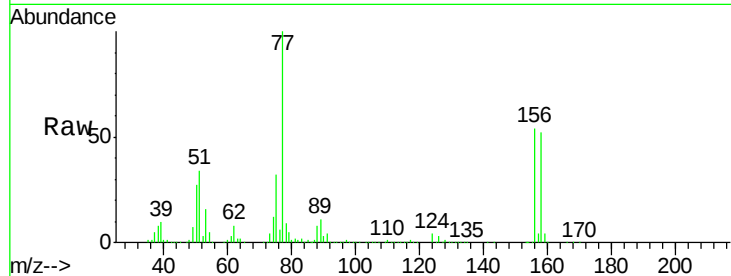
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	214.0	104.7	313.9	
158	96.6	48.6	145.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 48.298 ug/l

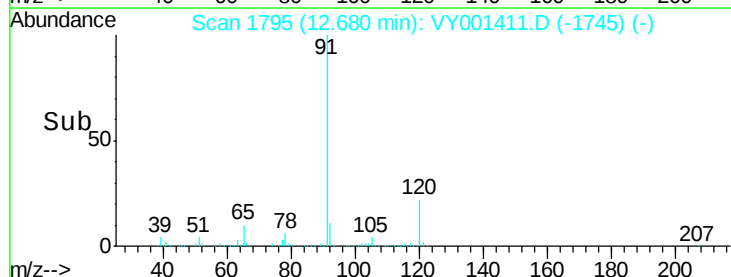
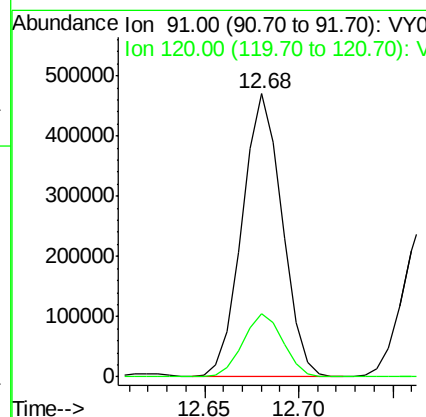
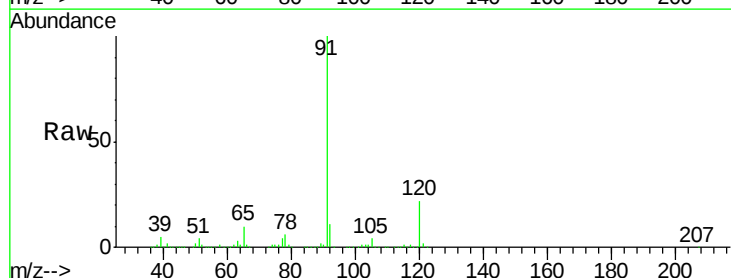
RT: 12.68 min Scan# 1795

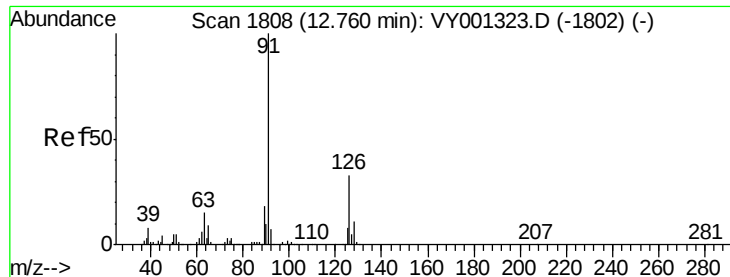
Delta R.T. 0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.4	11.3	33.8	





#79

2-Chlorotoluene

Concen: 48.181 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 394194

Ion Ratio Lower Upper

91 100

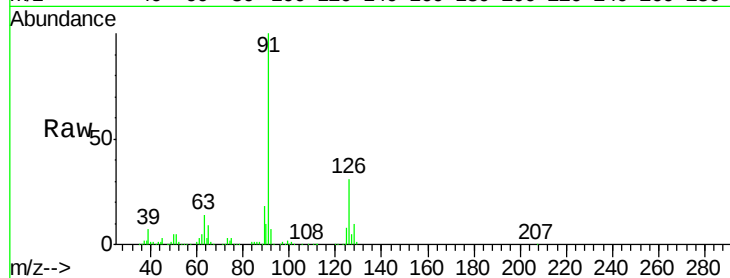
126 32.1 16.6 49.7

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Abundance Ion 91.00 (90.70 to 91.70): VY001323.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001323.D (-1802) (-)

400000

300000

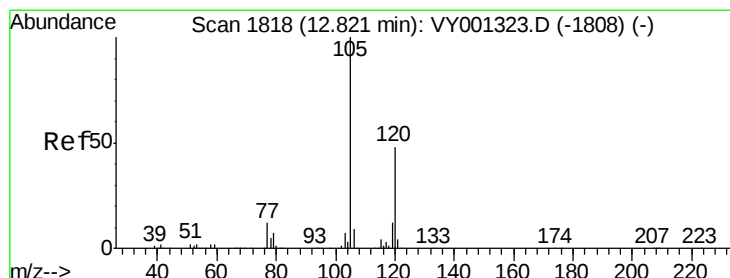
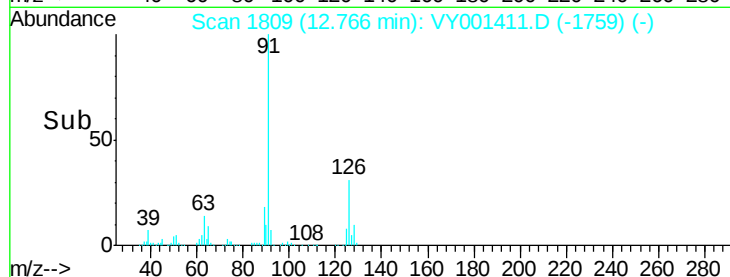
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.734 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY001411.D

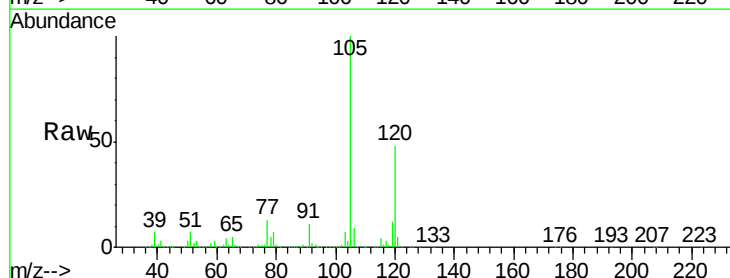
Acq: 27 Jan 2020 17:12

Tgt Ion: 105 Resp: 474089

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001323.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY001323.D (-1808) (-)

300000

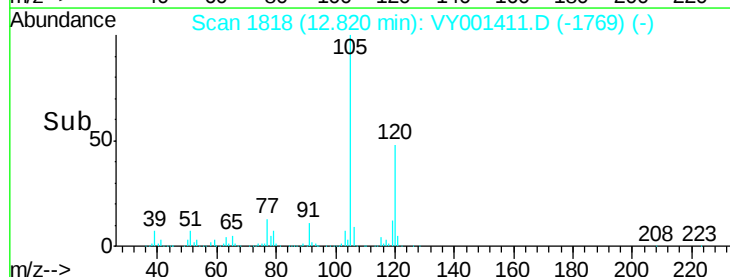
200000

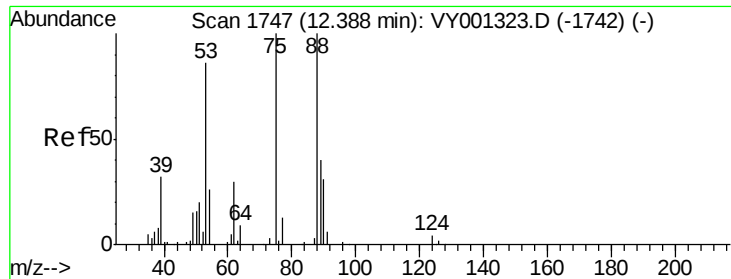
100000

0

12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.349 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

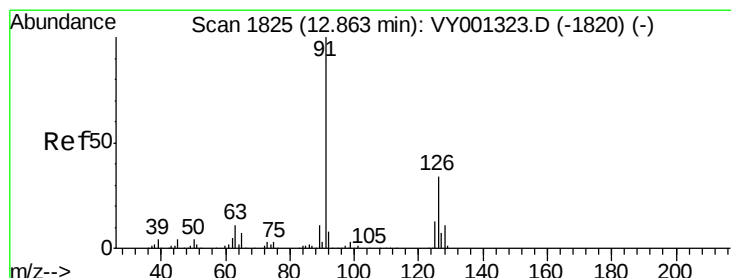
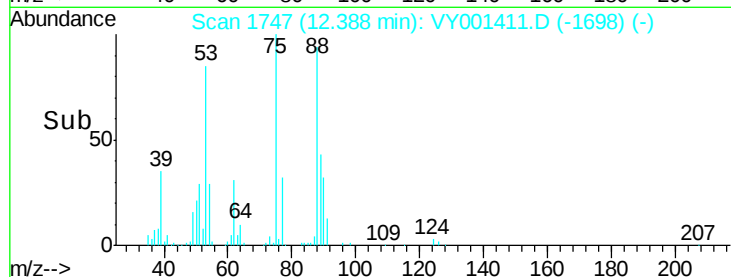
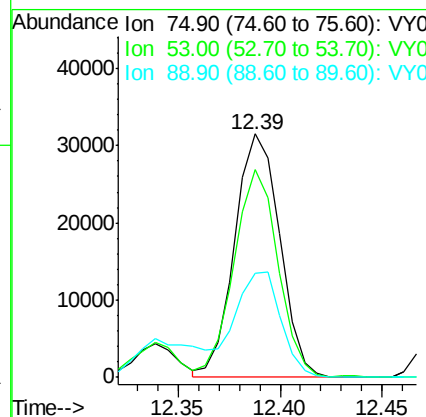
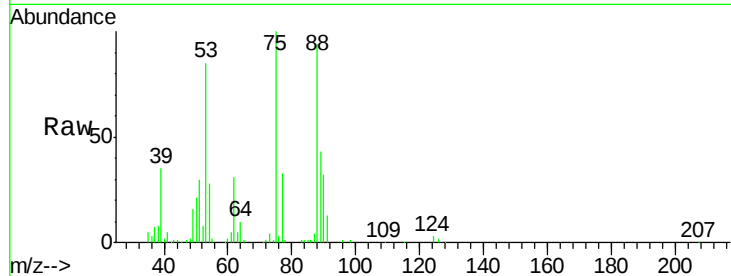
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	48343
Ion	Ratio	Lower	Upper
75	100		
53	84.0	69.9	104.9
89	45.3	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.395 ug/l

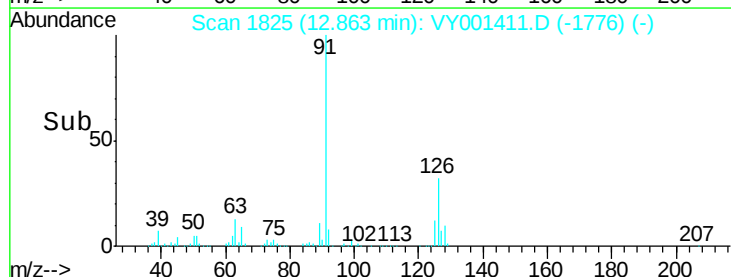
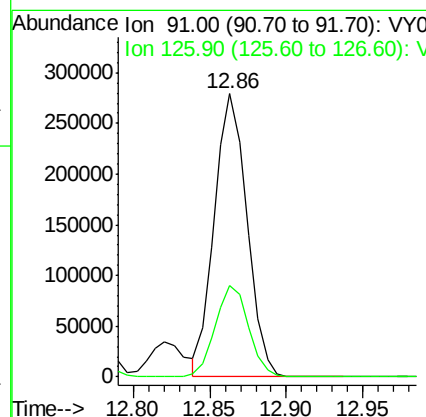
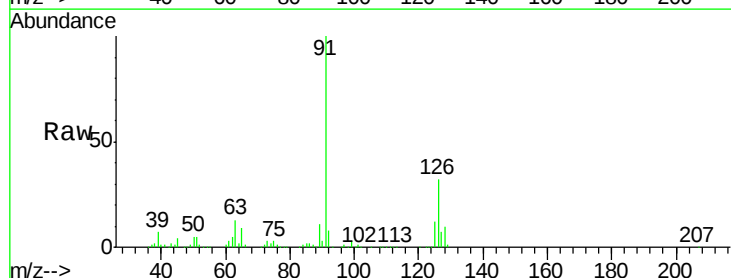
RT: 12.86 min Scan# 1825

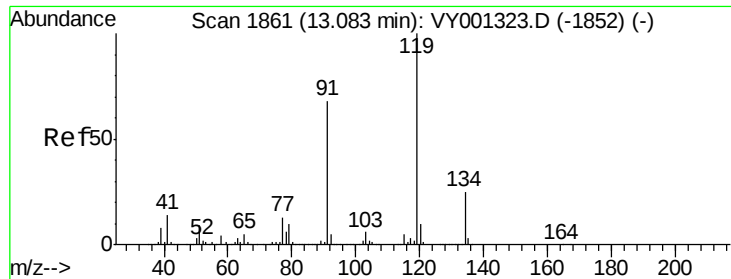
Delta R.T. -0.00 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Tgt Ion:	91	Resp:	414200
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4





#83

tert-Butylbenzene

Concen: 47.408 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

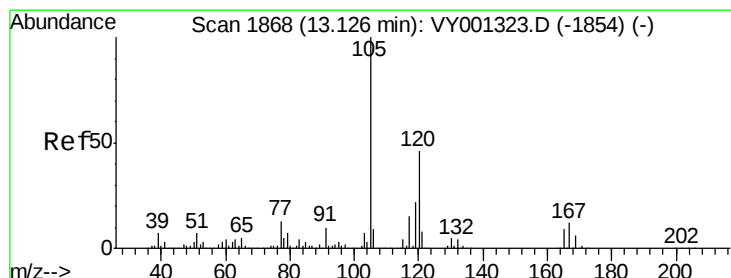
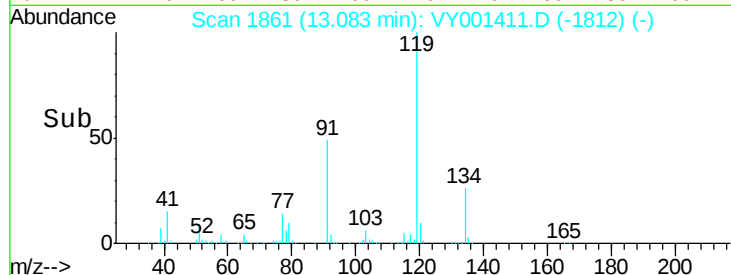
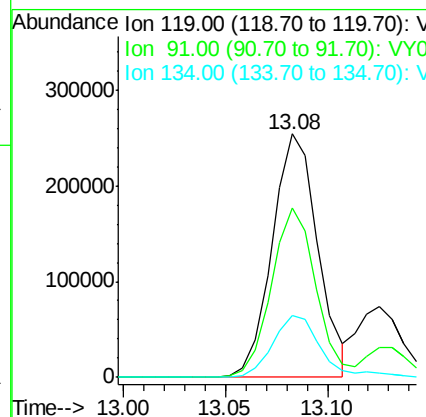
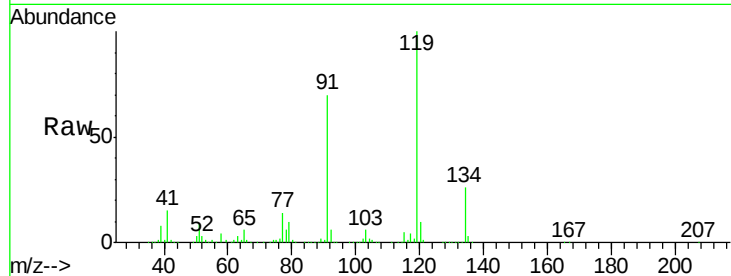
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	396894
Ion Ratio	Lower	Upper	
119	100		
91	68.2	33.0	99.0
134	27.1	13.3	39.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.784 ug/l

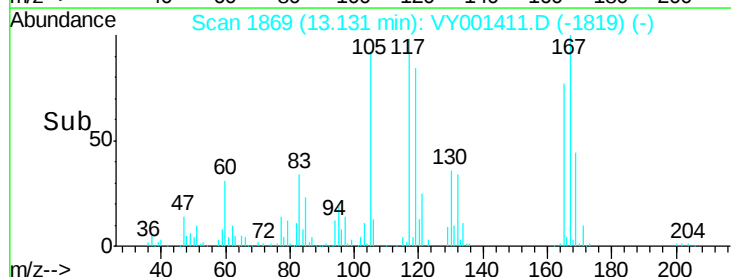
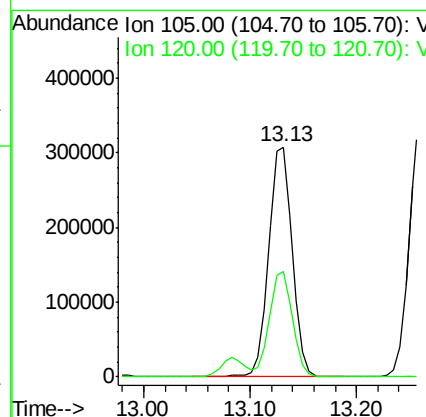
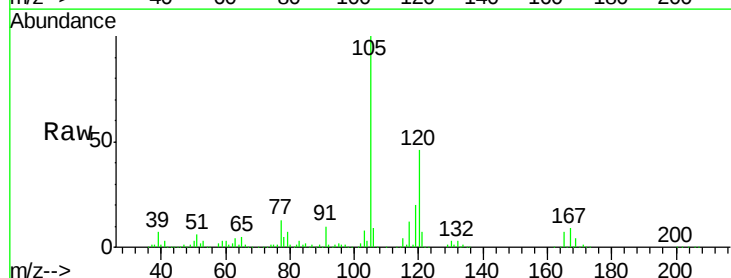
RT: 13.13 min Scan# 1869

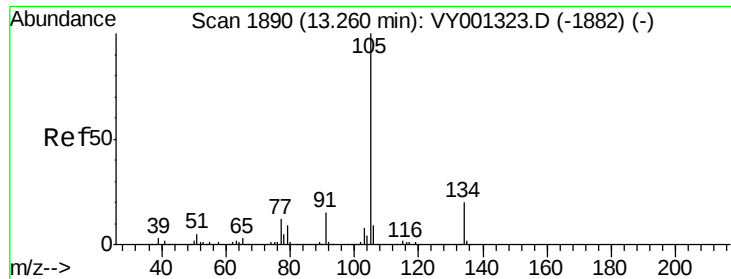
Delta R.T. 0.01 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Tgt Ion:	105	Resp:	476475
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.4	67.3





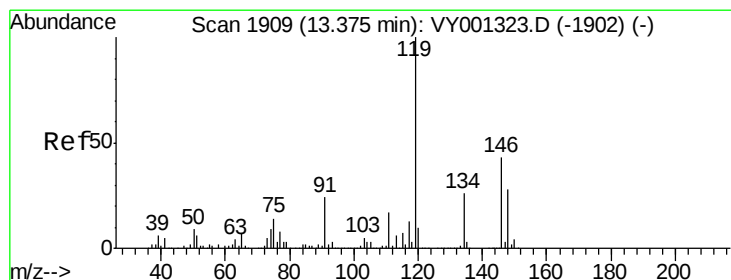
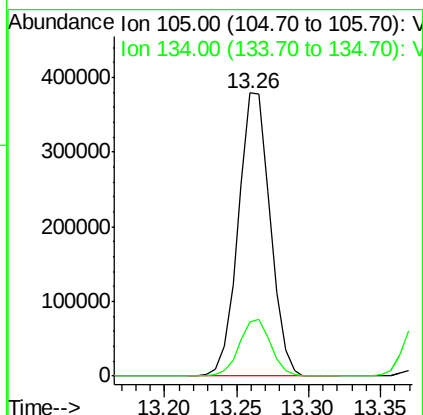
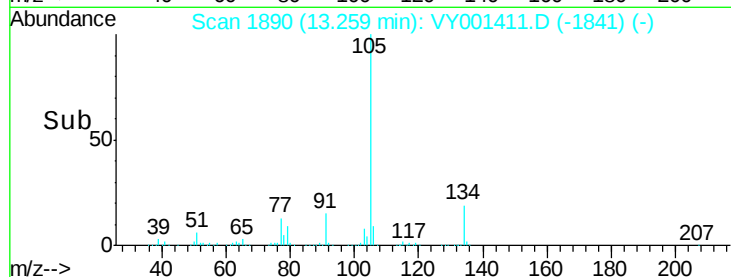
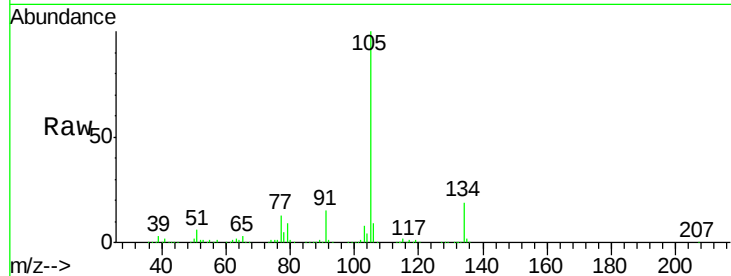
#85
 sec-Butylbenzene
 Concen: 48.843 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4

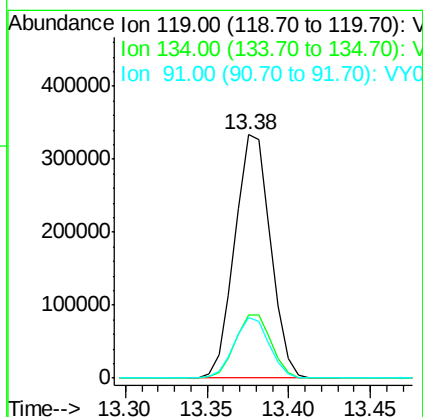
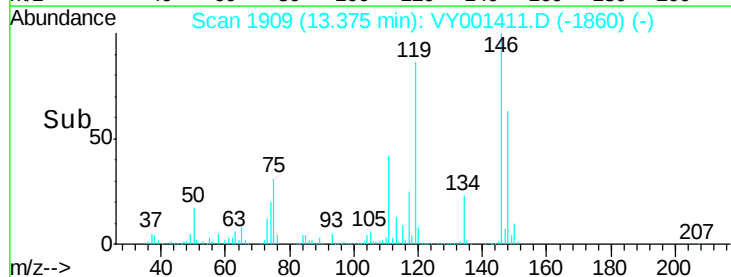
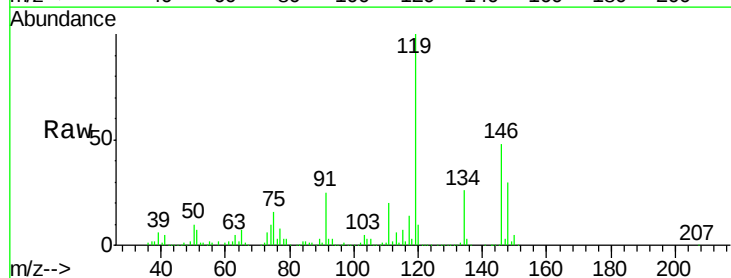
Manual Integrations
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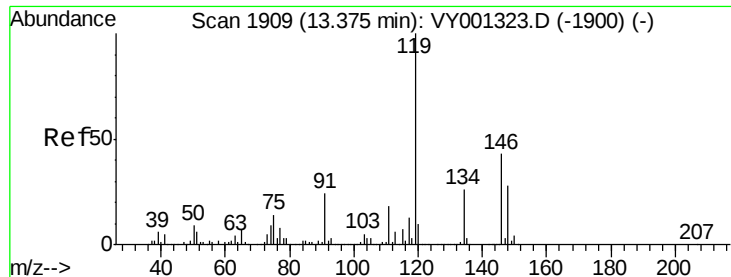
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 48.682 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.5	40.4
91	24.2	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 48.185 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Instrument :

MSVOA_Y

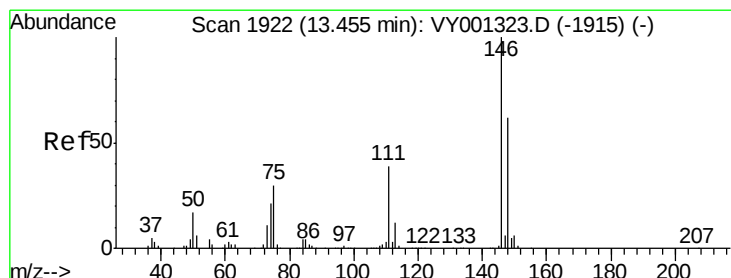
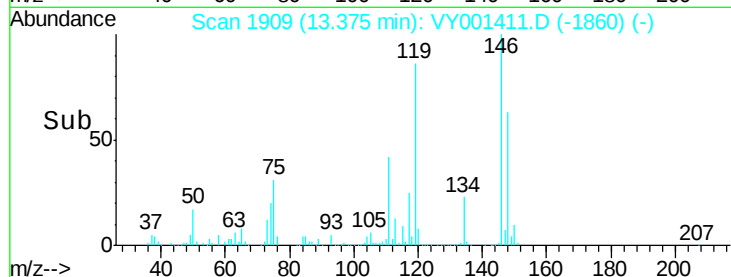
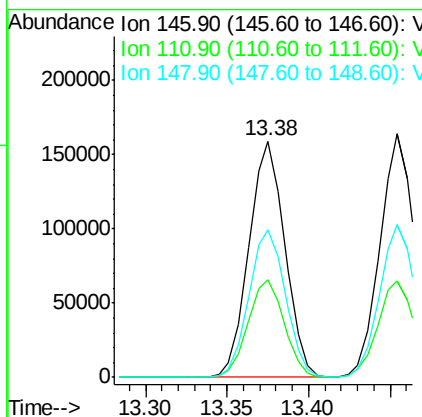
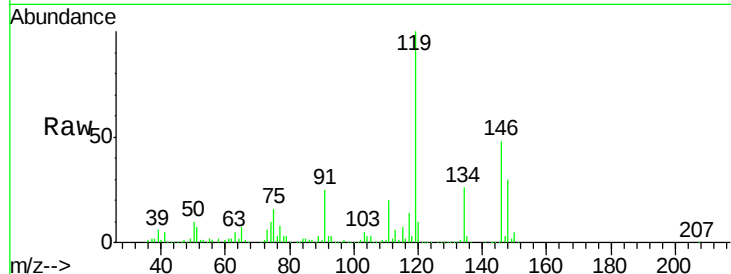
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	244565
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.6	61.8
148	63.4	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.466 ug/l

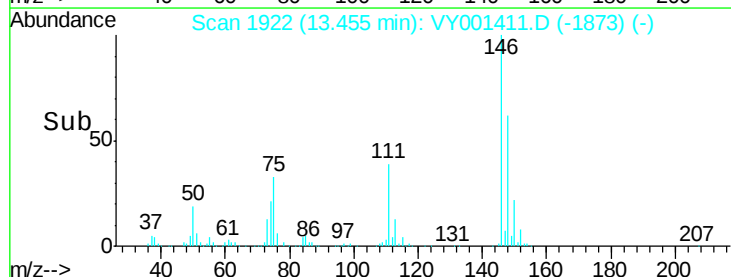
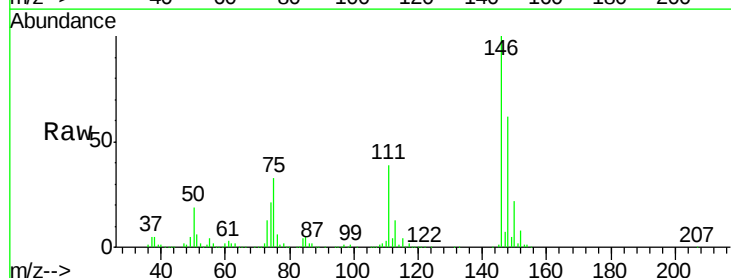
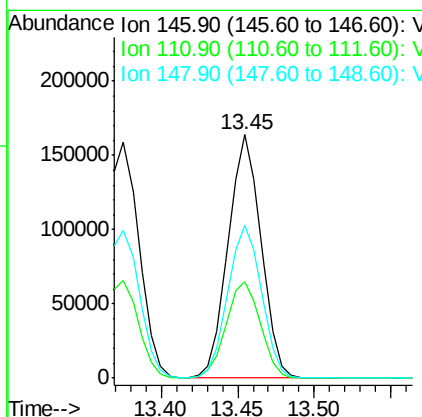
RT: 13.45 min Scan# 1922

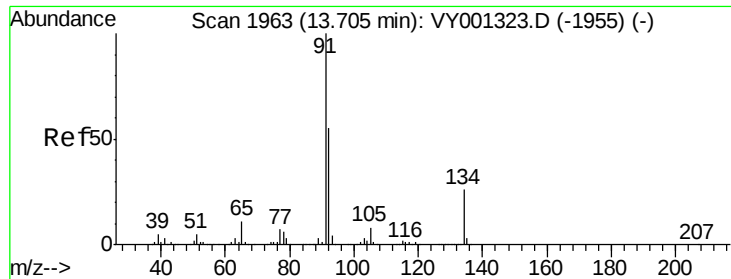
Delta R.T. -0.00 min

Lab File: VY001411.D

Acq: 27 Jan 2020 17:12

Tgt Ion:	146	Resp:	244610
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.5	61.5
148	64.2	31.6	95.0





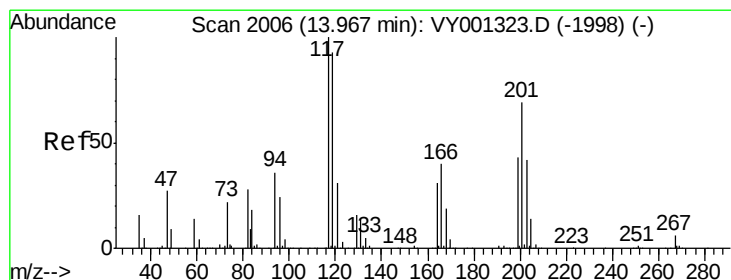
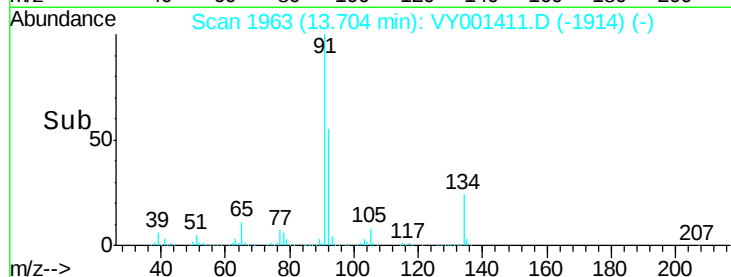
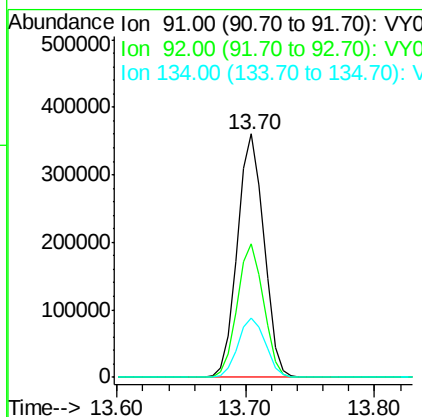
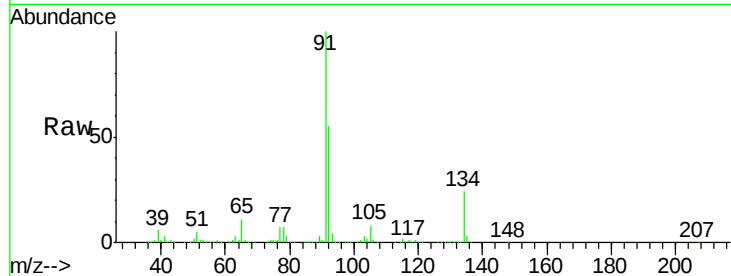
#89
n-Butylbenzene
Concen: 48.865 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.8
134	25.1	12.9	38.6

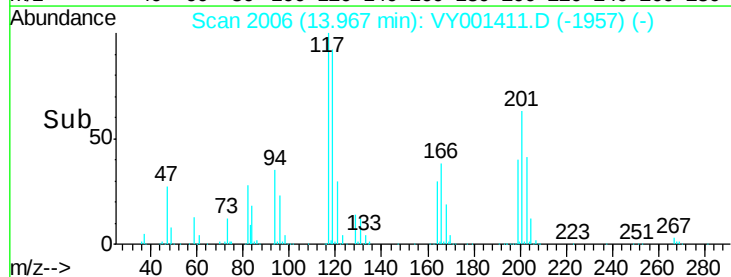
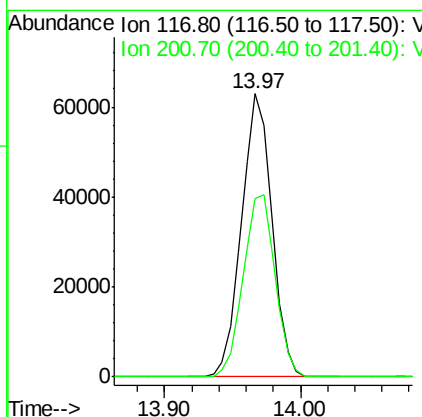
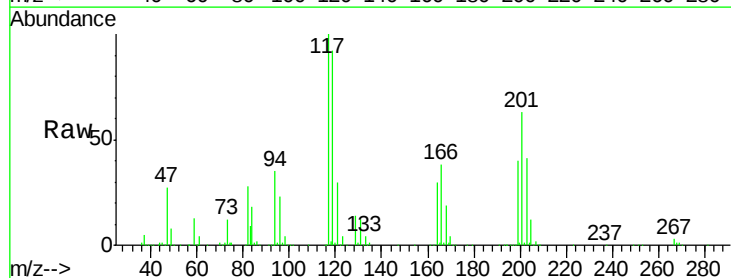
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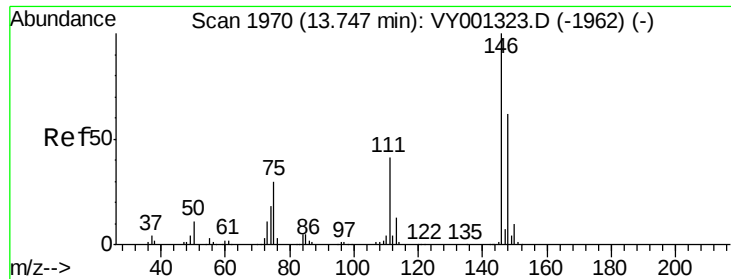
MMDadoda
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#90
Hexachloroethane
Concen: 49.642 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.6	103.8





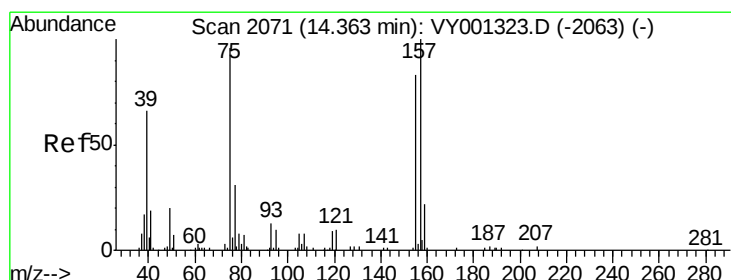
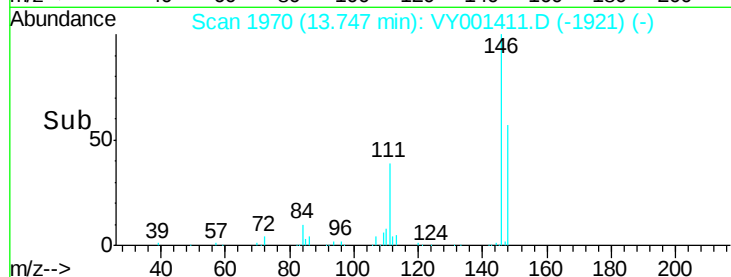
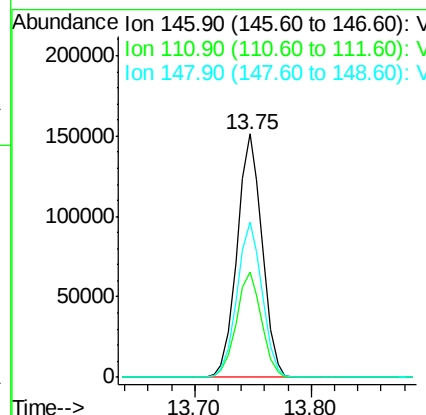
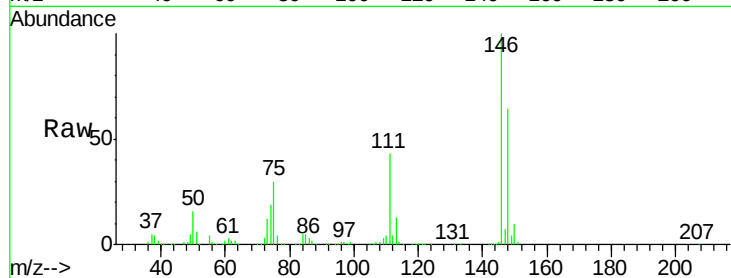
#91
 1,2-Dichlorobenzene
 Concen: 48.230 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.4
148	63.9	31.5	94.5

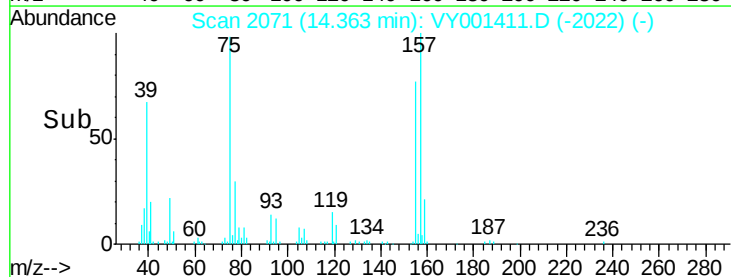
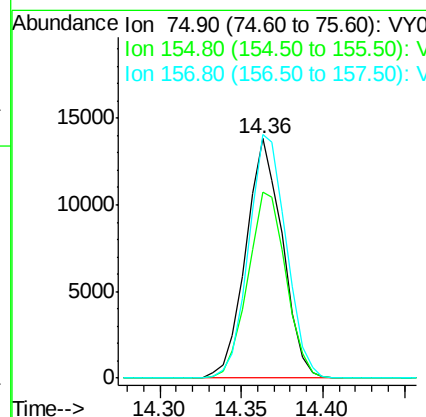
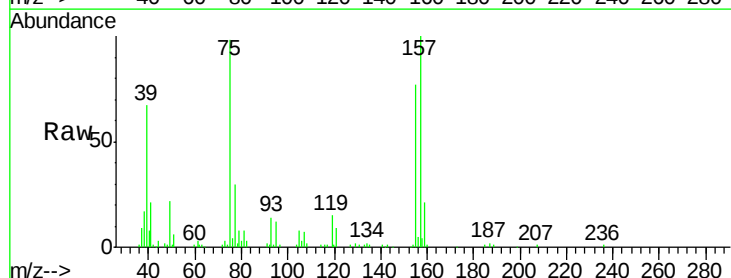
Manual Integrations
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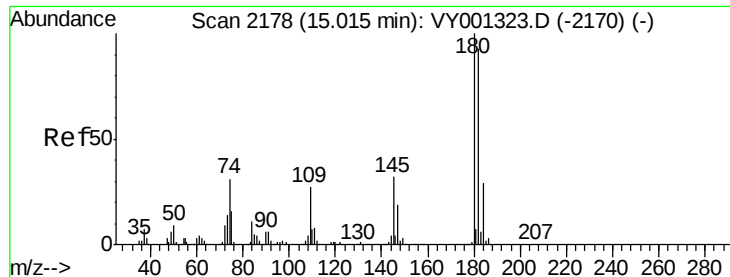
MMDadoda
 1/28/2020 3:40:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.114 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	43.0	129.2
157	103.6	53.3	160.0





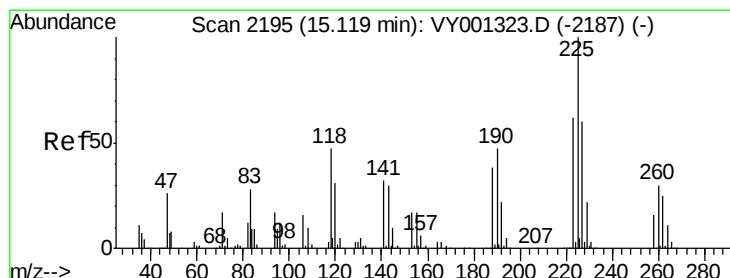
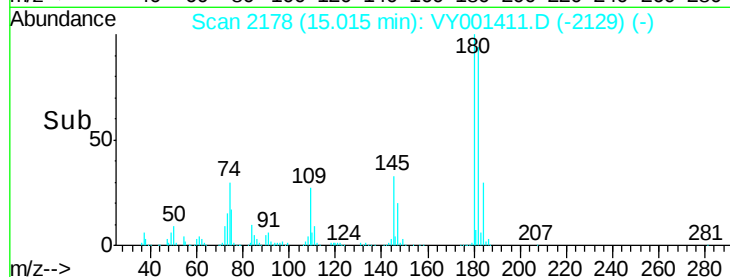
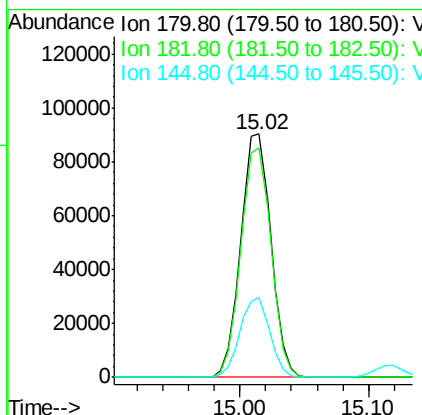
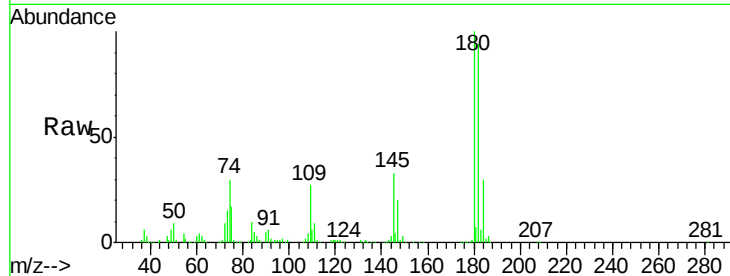
#93
 1,2,4-Trichlorobenzene
 Concen: 46.625 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	146476		
182	94.4	47.6	142.8	
145	32.3	16.3	48.9	

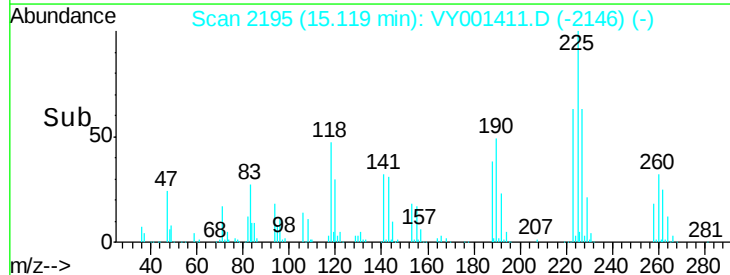
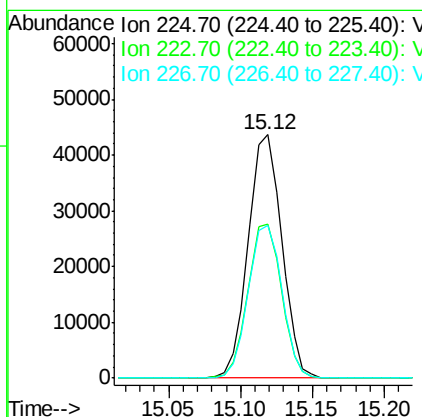
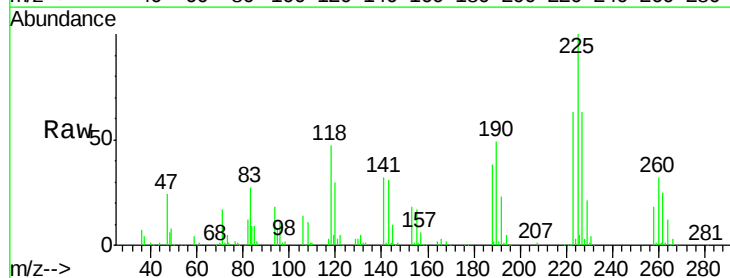
Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 3:40:34 PM



#94
 Hexachlorobutadiene
 Concen: 46.021 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001411.D
 Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70398		
223	63.5	31.2	93.6	
227	62.9	31.0	93.0	





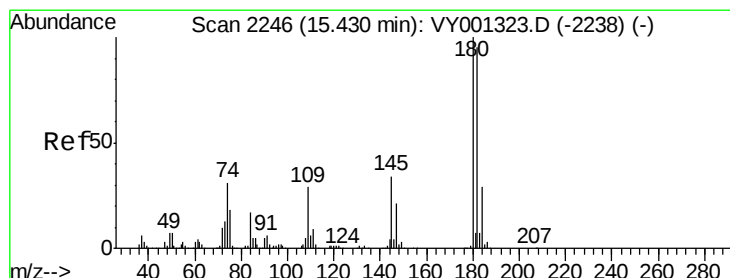
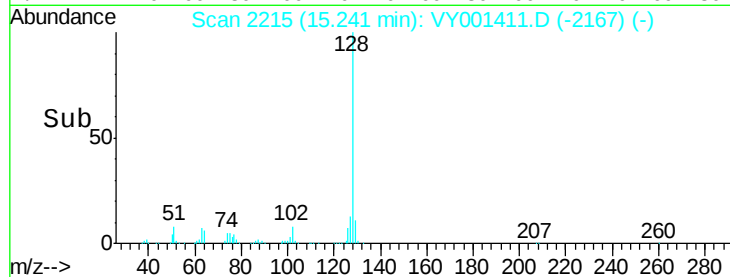
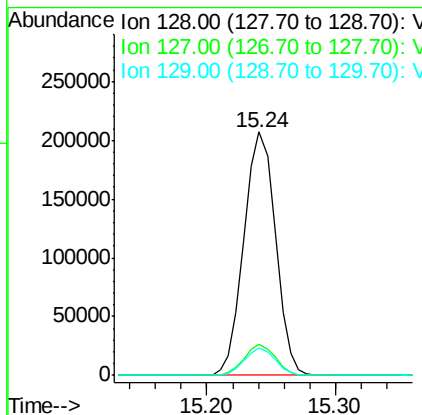
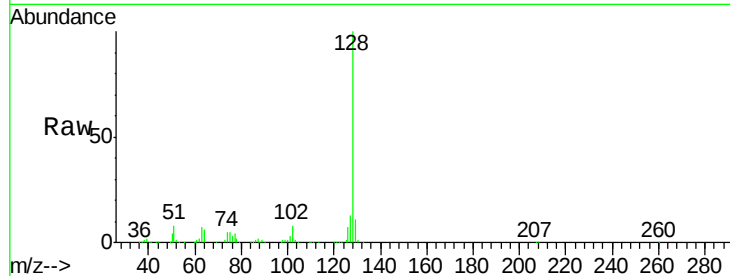
#95
Naphthalene
Concen: 48.937 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/28/2020 3:40:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.854 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY001411.D
Acq: 27 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.3	141.8
145	34.0	16.8	50.3

