

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012120\
 Data File : VY001324.D
 Acq On : 21 Jan 2020 16:08
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:48 AM

Quant Time: Jan 21 16:43:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 16:22:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	192676	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	344020	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	309807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	145260	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	202848	99.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.36%	
35) Dibromofluoromethane	7.76	113	185954	92.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	184.40%	
50) Toluene-d8	10.20	98	761024	98.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	196.10%	
62) 4-Bromofluorobenzene	12.49	95	291687	92.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	137546	92.133	ug/l	99
3) Chloromethane	2.13	50	205715	94.880	ug/l	99
4) Vinyl Chloride	2.27	62	218619	99.896	ug/l	97
5) Bromomethane	2.66	94	143339	118.276	ug/l	99
6) Chloroethane	2.82	64	141543	109.857	ug/l	98
7) Trichlorofluoromethane	3.15	101	280020	92.738	ug/l	98
8) Diethyl Ether	3.56	74	121526	102.851	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	179366	92.570	ug/l	99
10) Methyl Iodide	4.13	142	255804	96.389	ug/l	99
11) Tert butyl alcohol	5.01	59	119277	551.080	ug/l	99
12) 1,1-Dichloroethene	3.91	96	187226	94.283	ug/l	96
13) Acrolein	3.77	56	73692	412.297	ug/l	99
14) Allyl chloride	4.52	41	342748	101.345	ug/l	100
15) Acrylonitrile	5.22	53	325429	545.429	ug/l	99
16) Acetone	3.99	43	257627	521.131	ug/l	99
17) Carbon Disulfide	4.23	76	588003	92.211	ug/l	100
18) Methyl Acetate	4.52	43	168494	105.565	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	576856	104.158	ug/l	99
20) Methylene Chloride	4.77	84	229660	85.325	ug/l	97
21) trans-1,2-Dichloroethene	5.27	96	218389	96.841	ug/l	98
22) Diisopropyl ether	6.17	45	754706	108.821	ug/l	95
23) Vinyl Acetate	6.11	43	2522171	566.590	ug/l	99
24) 1,1-Dichloroethane	6.07	63	385712	102.032	ug/l	98
25) 2-Butanone	7.03	43	445066	582.141	ug/l	99
26) 2,2-Dichloropropane	7.03	77	328499	95.097	ug/l	100
27) cis-1,2-Dichloroethene	7.03	96	249119	100.493	ug/l	99
28) Bromochloromethane	7.38	49	186743	121.187	ug/l	99
29) Tetrahydrofuran	7.39	42	300851	579.842	ug/l	99
30) Chloroform	7.55	83	378659	102.679	ug/l	99
31) Cyclohexane	7.82	56	360825	91.244	ug/l	99
32) 1,1,1-Trichloroethane	7.74	97	317340	97.424	ug/l	100
36) 1,1-Dichloropropene	7.96	75	298946	94.962	ug/l	99
37) Ethyl Acetate	7.12	43	193483	103.481	ug/l	100
38) Carbon Tetrachloride	7.94	117	269875	93.815	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	380767	89.840	ug/l	99
40) Benzene	8.19	78	914734	98.973	ug/l	99
41) Methacrylonitrile	7.36	41	105239m	119.389	ug/l	
42) 1,2-Dichloroethane	8.27	62	260989	100.905	ug/l	99
43) Isopropyl Acetate	8.31	43	382463	106.606	ug/l	100
44) Trichloroethene	8.97	130	229811	96.146	ug/l	98
45) 1,2-Dichloropropane	9.24	63	234068	101.833	ug/l	99
46) Dibromomethane	9.33	93	125566	100.762	ug/l	98
47) Bromodichloromethane	9.52	83	304097	100.376	ug/l	100
48) Methyl methacrylate	9.32	41	175497	106.421	ug/l	99
49) 1,4-Dioxane	9.33	88	38273	2487.006	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	997479	547.672	ug/l	100
52) Toluene	10.27	92	578384	98.386	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	343648	101.298	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	388329	101.408	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	188367	101.633	ug/l	98
56) Ethyl methacrylate	10.53	69	298822	105.687	ug/l	99
57) 1,3-Dichloropropane	10.81	76	330159	103.803	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	470541	478.793	ug/l	99
59) 2-Hexanone	10.85	43	707814	554.226	ug/l	100
60) Dibromochloromethane	11.00	129	213095	100.724	ug/l	99
61) 1,2-Dibromoethane	11.10	107	180750	100.393	ug/l	100
64) Tetrachloroethene	10.74	164	177450	89.606	ug/l	98
65) Chlorobenzene	11.53	112	602821	96.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	209938	97.933	ug/l	99
67) Ethyl Benzene	11.60	91	1100057	96.504	ug/l	99
68) m/p-Xylenes	11.71	106	827445	193.008	ug/l	99
69) o-Xylene	12.04	106	401037	97.283	ug/l	99
70) Styrene	12.05	104	720062	99.667	ug/l	100
71) Bromoform	12.22	173	131570	100.260	ug/l #	99
73) Isopropylbenzene	12.34	105	1078037	98.104	ug/l	100
74) N-amyl acetate	12.15	43	380824	110.053	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	244052	104.726	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	182827m	113.834	ug/l	
77) Bromobenzene	12.61	156	237205	97.647	ug/l	96
78) n-propylbenzene	12.68	91	1291139	97.601	ug/l	100
79) 2-Chlorotoluene	12.77	91	745766	98.356	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	896031	97.902	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	94302	102.671	ug/l	98
82) 4-Chlorotoluene	12.86	91	801235	99.055	ug/l	99
83) tert-Butylbenzene	13.08	119	757450	98.127	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	894121	98.234	ug/l	100
85) sec-Butylbenzene	13.26	105	1069108	96.337	ug/l	100
86) p-Isopropyltoluene	13.38	119	928793	96.521	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	445092	96.494	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	458713	96.967	ug/l	99
89) n-Butylbenzene	13.70	91	949096	98.067	ug/l	99
90) Hexachloroethane	13.96	117	180871	96.395	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	421139	98.371	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	40586	97.858	ug/l	99

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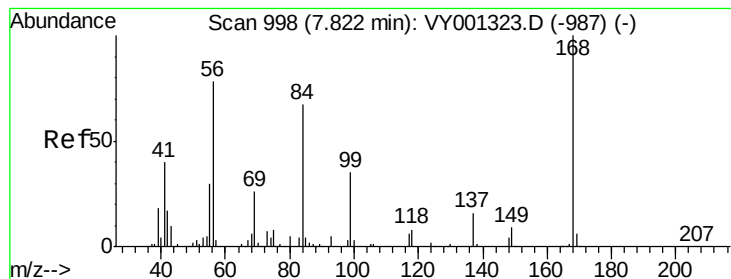
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	273747	97.325	ug/l	99
94) Hexachlorobutadiene	15.11	225	127708	90.558	ug/l	97
95) Naphthalene	15.24	128	662478	101.228	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	246891	99.348	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 192676

Ion Ratio Lower Upper

168 100

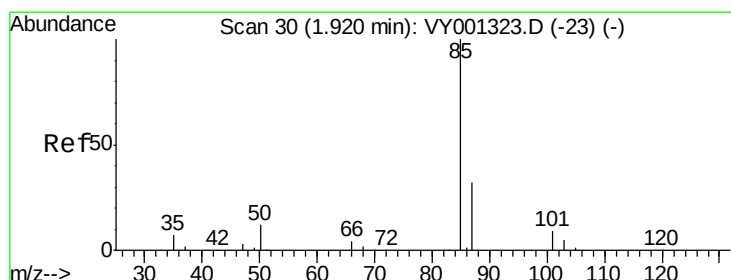
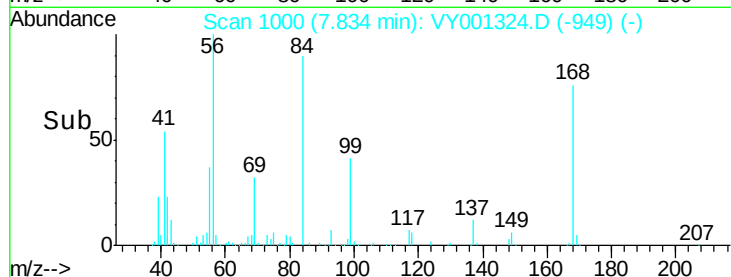
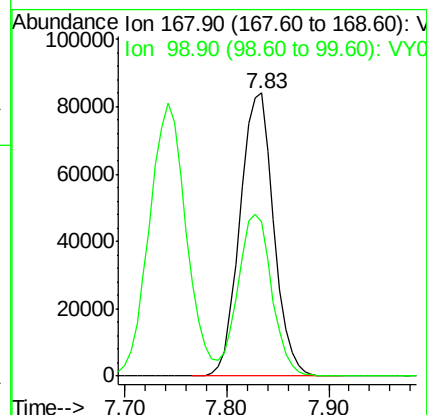
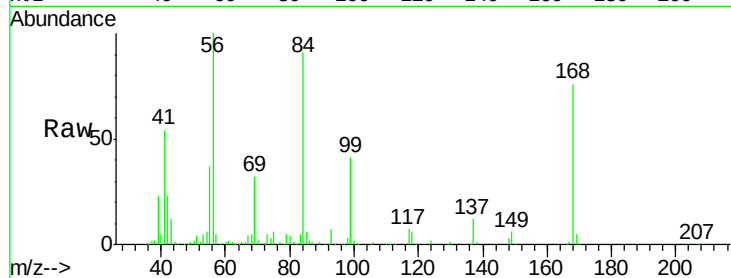
99 54.3 44.3 66.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 92.133 ug/l

RT: 1.92 min Scan# 30

Delta R.T. -0.00 min

Lab File: VY001324.D

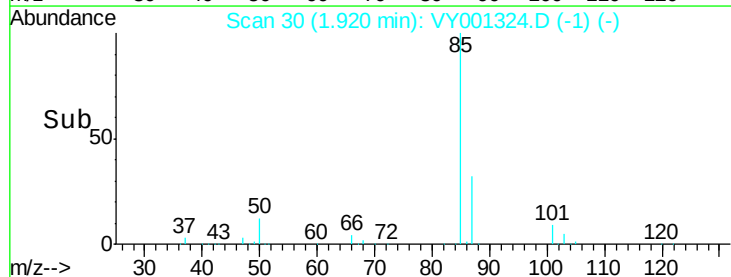
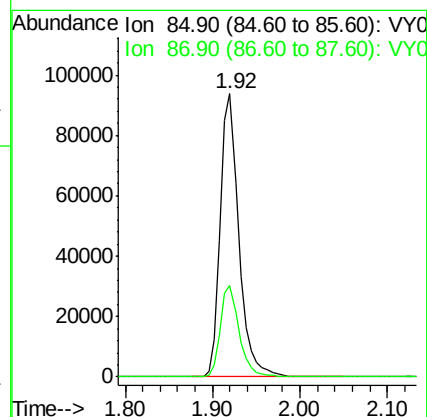
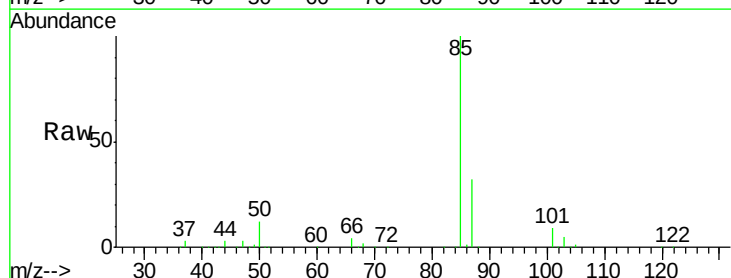
Acq: 21 Jan 2020 16:08

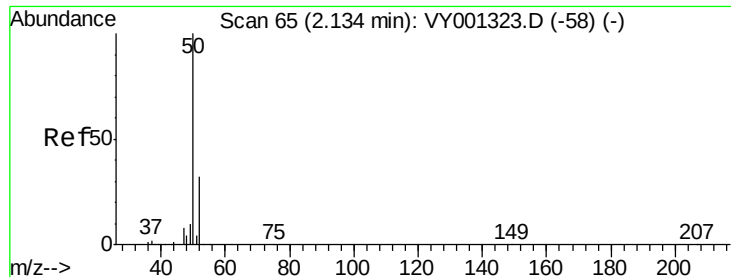
Tgt Ion: 85 Resp: 137546

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0





#3

Chloromethane

Concen: 94.880 ug/l

RT: 2.13 min Scan# 65

Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 205715

Ion Ratio Lower Upper

50 100

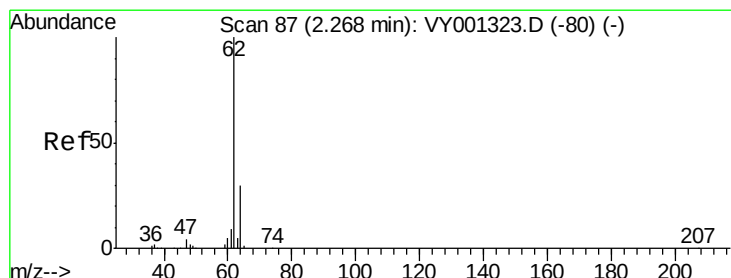
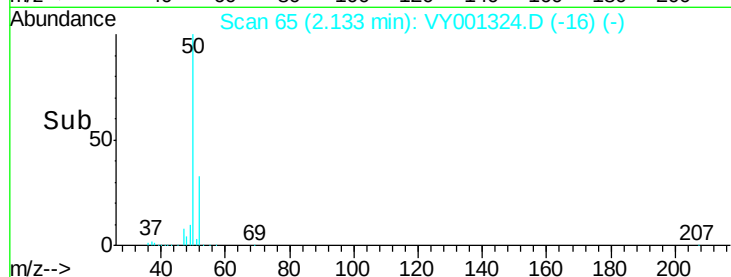
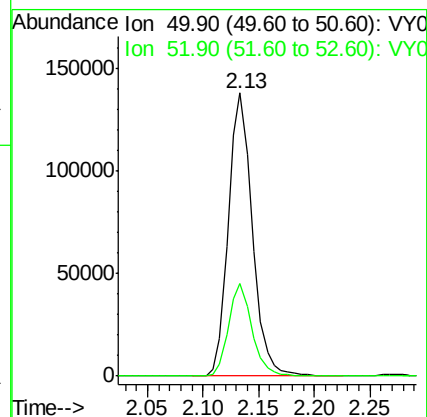
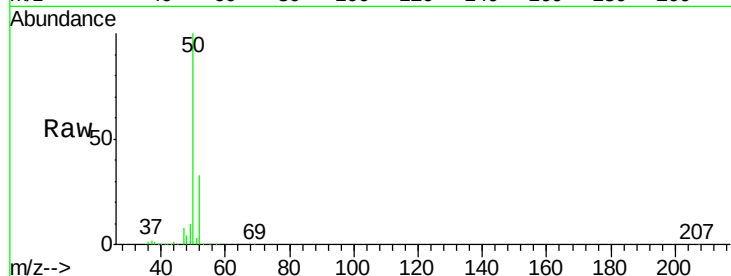
52 32.5 25.7 38.5

Manual Integrations

APPROVED

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1/22/2020 10:49:48 AM



#4

Vinyl Chloride

Concen: 99.896 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY001324.D

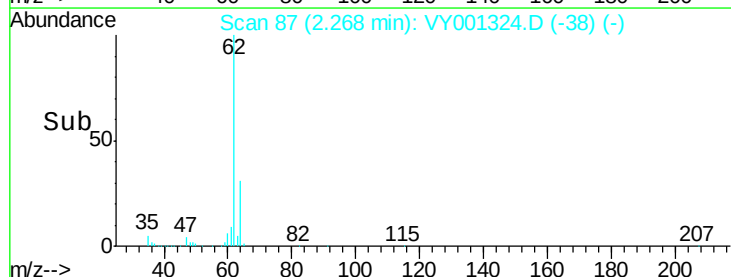
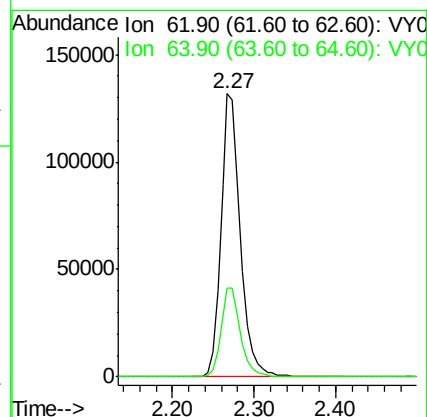
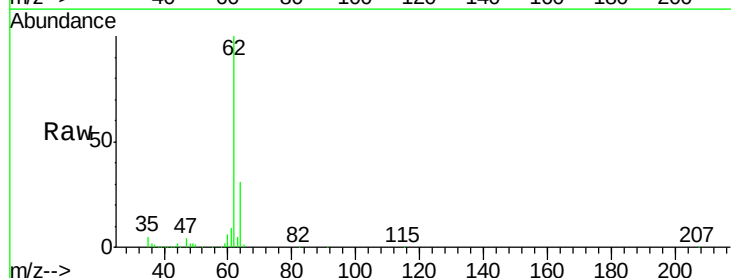
Acq: 21 Jan 2020 16:08

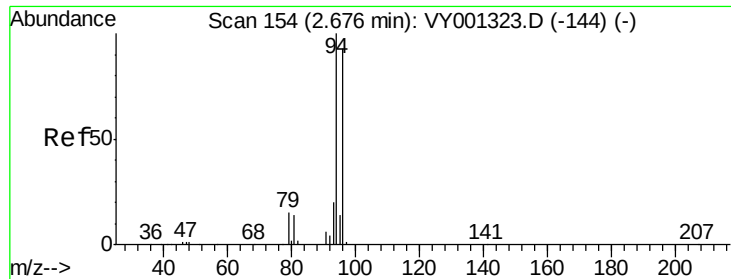
Tgt Ion: 62 Resp: 218619

Ion Ratio Lower Upper

62 100

64 31.5 23.9 35.9





#5

Bromomethane

Concen: 118.276 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.02 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 143339

Ion Ratio Lower Upper

94 100

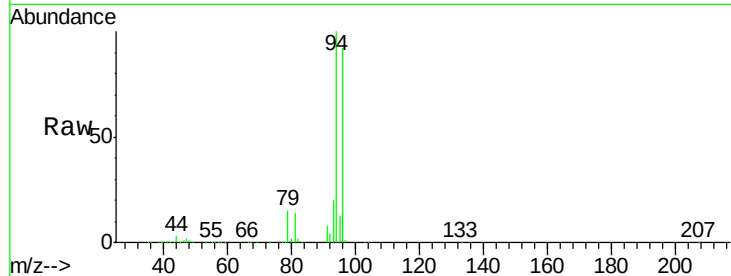
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Manual Integrations

APPROVED

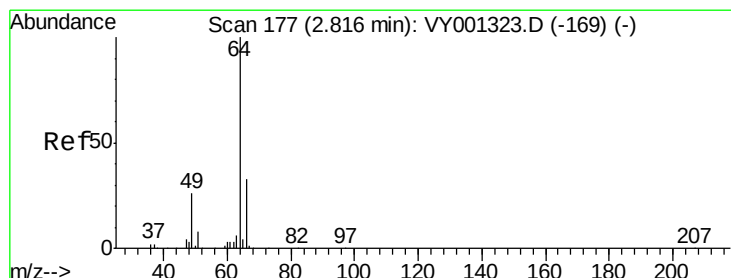
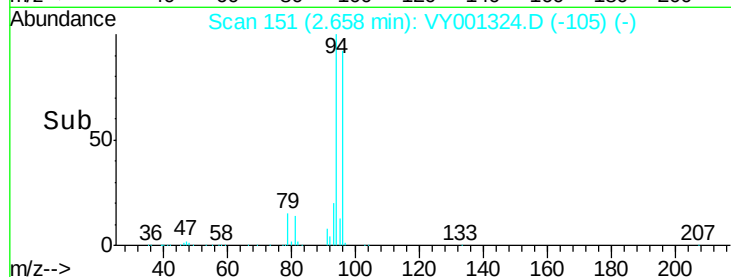
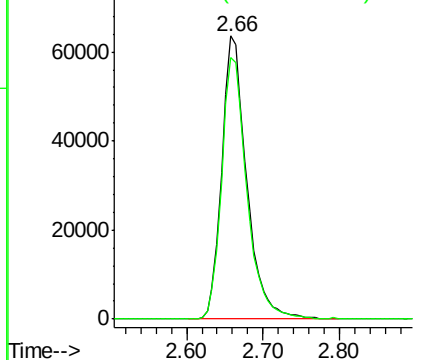
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1/22/2020 10:49:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 109.857 ug/l

RT: 2.82 min Scan# 177

Delta R.T. -0.00 min

Lab File: VY001324.D

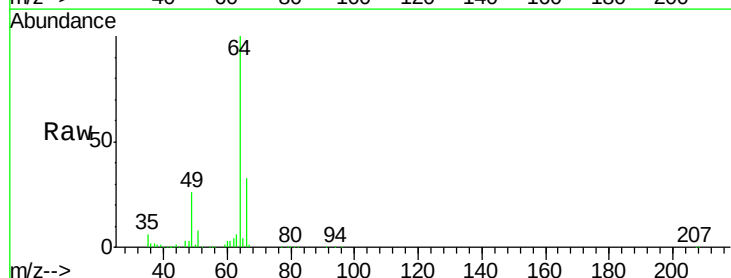
Acq: 21 Jan 2020 16:08

Tgt Ion: 64 Resp: 141543

Ion Ratio Lower Upper

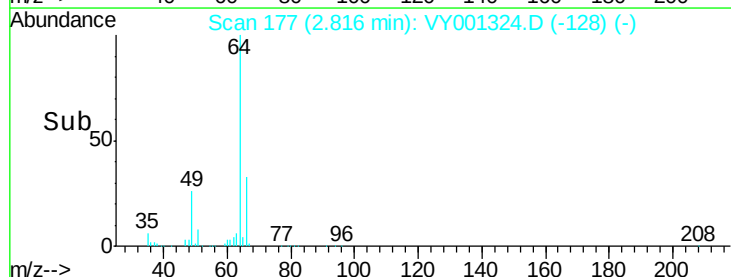
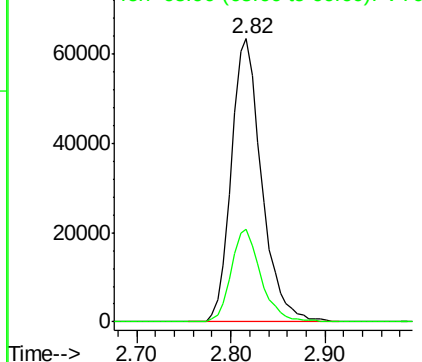
64 100

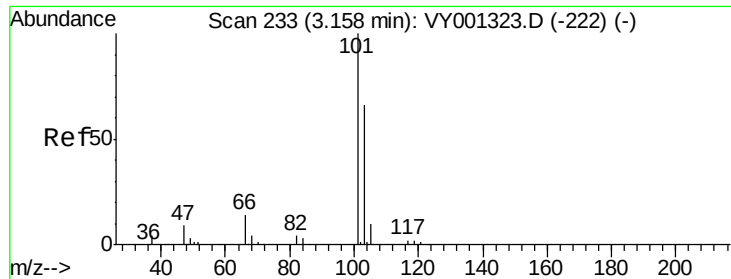
66 32.6 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

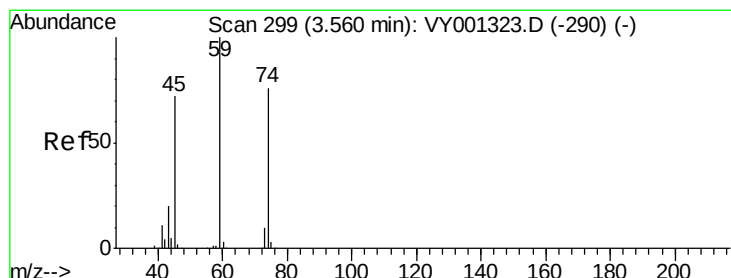
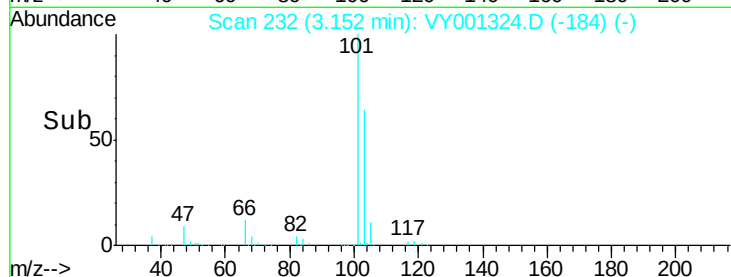
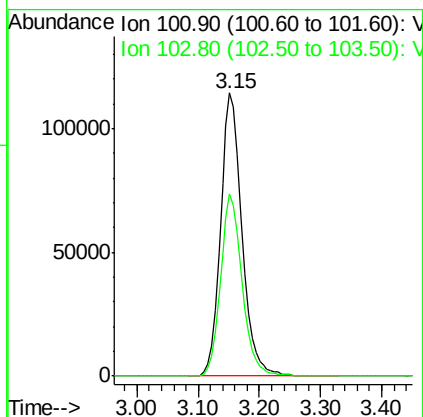
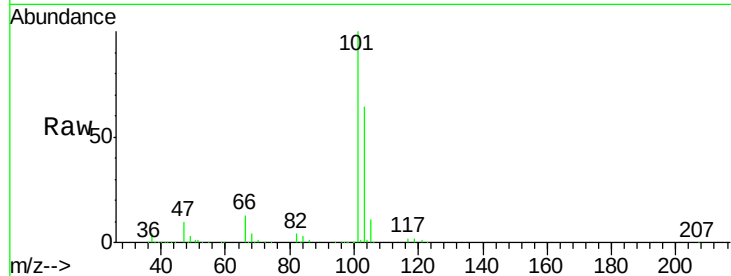
Trichlorofluoromethane
 Concen: 92.738 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.5	78.7

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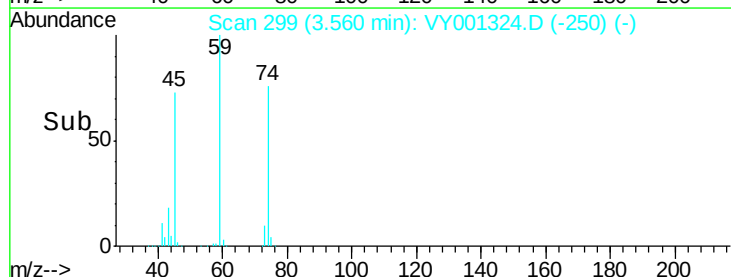
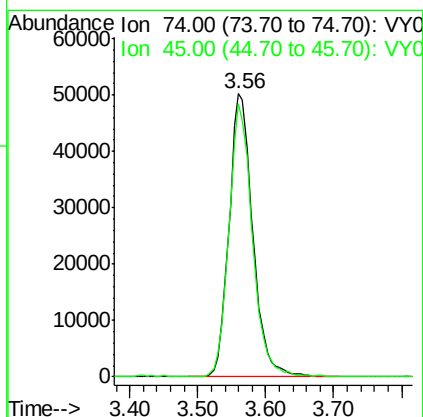
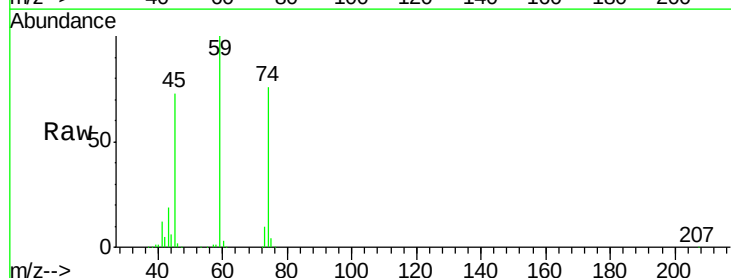
MMDadoda
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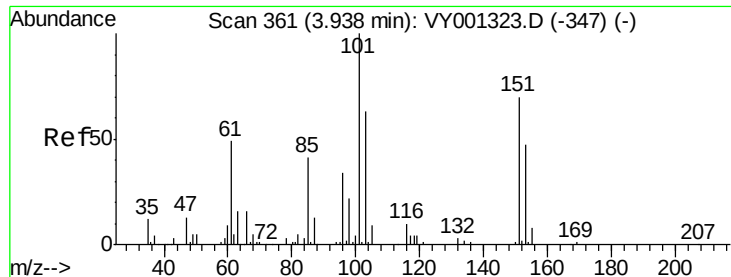


#8

Diethyl Ether
 Concen: 102.851 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. -0.00 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.570 ug/l

RT: 3.93 min Scan# 360

Delta R.T. -0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

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MSVOA_Y

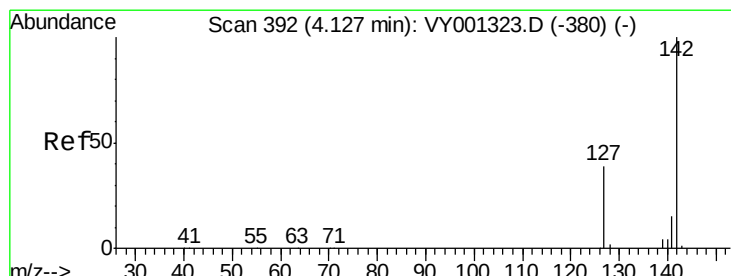
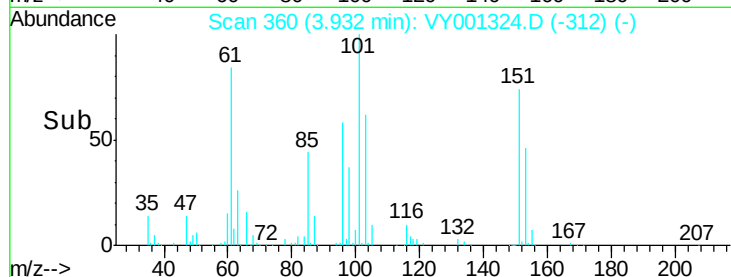
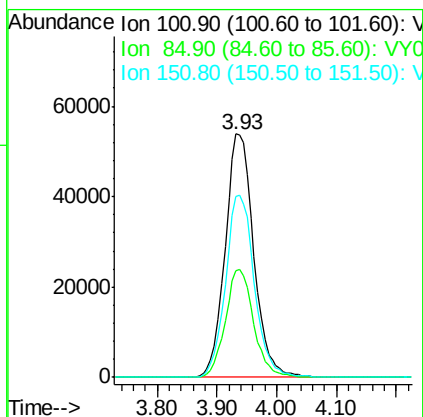
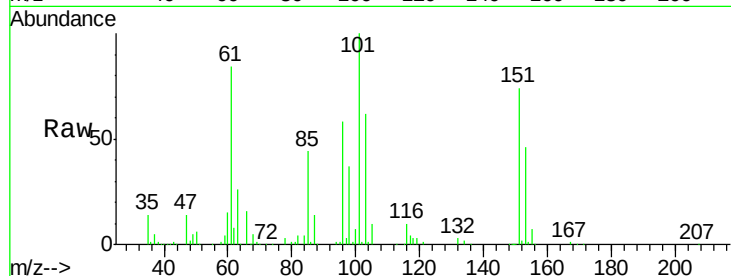
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	179366
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.9	52.3
151	75.6	59.9	89.9

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#10

Methyl Iodide

Concen: 96.389 ug/l

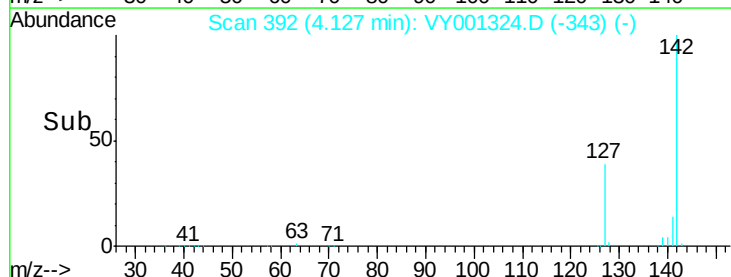
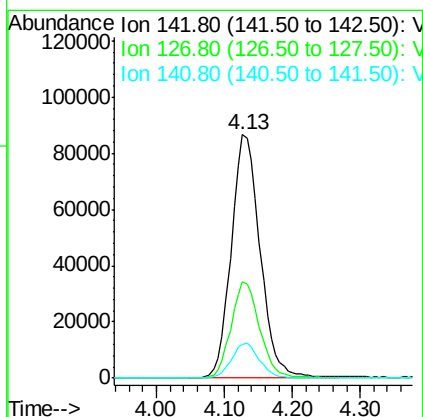
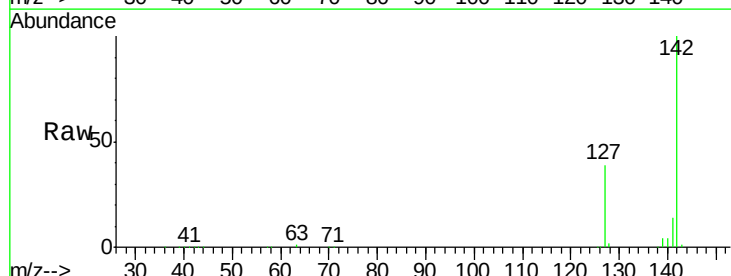
RT: 4.13 min Scan# 392

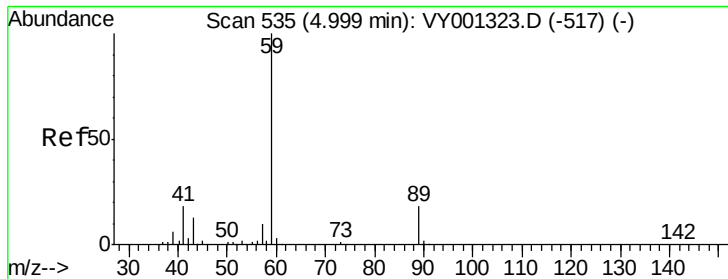
Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Tgt Ion:	142	Resp:	255804
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.6	47.4
141	14.0	11.2	16.8





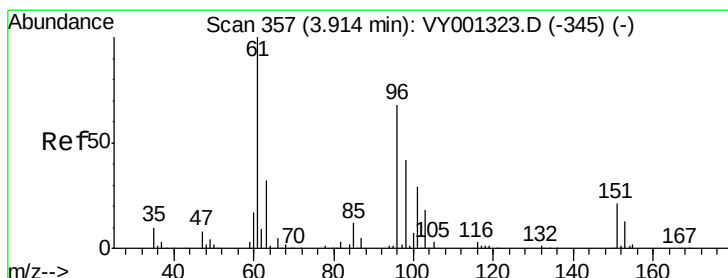
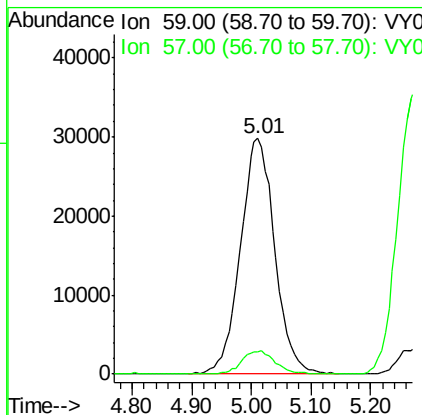
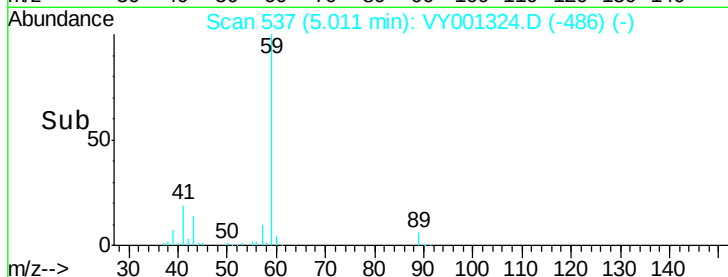
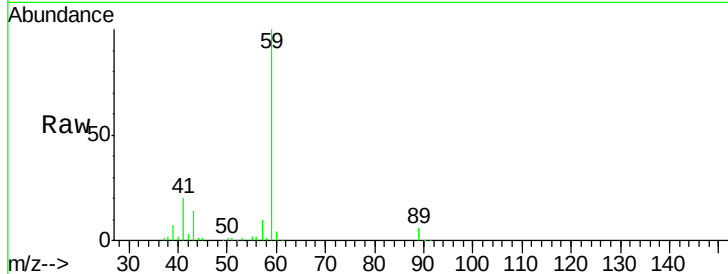
#11
Tert butyl alcohol
Concen: 551.080 ug/l
RT: 5.01 min Scan# 537
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	59	57	Ratio	100	9.7	Resp	119277	Lower	7.4	Upper	11.2
Ion	59	57	Ratio	100	9.7	Resp	119277	Lower	7.4	Upper	11.2

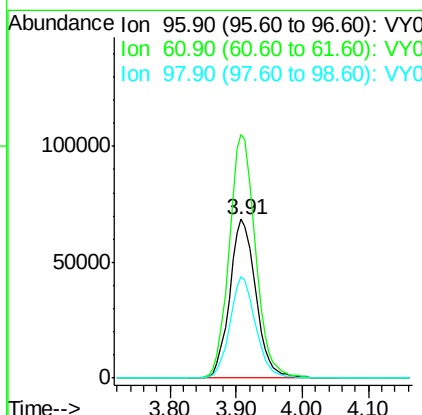
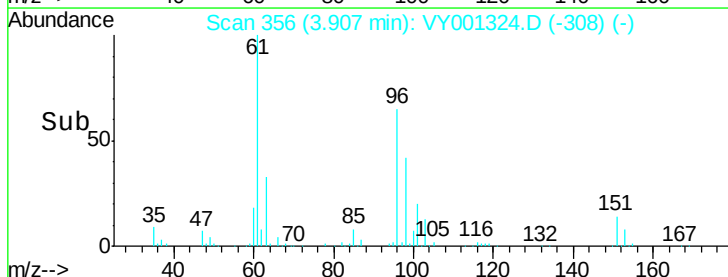
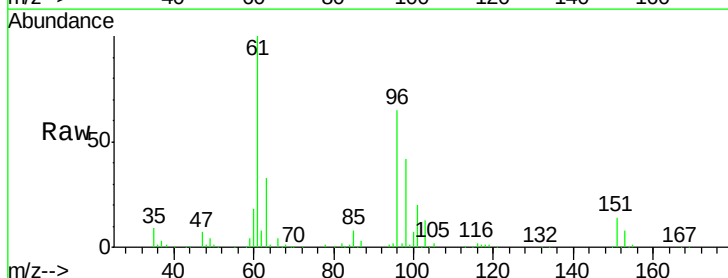
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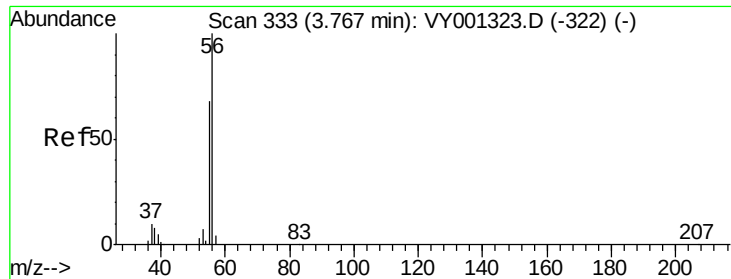
MMDadoda
1/22/2020 10:49:48 AM



#12
1,1-Dichloroethene
Concen: 94.283 ug/l
RT: 3.91 min Scan# 356
Delta R.T. -0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	96	61	98	Ratio	100	153.4	63.9	Resp	187226	Lower	118.0	49.4	Upper	177.0	74.2
Ion	96	61	98	Ratio	100	153.4	63.9	Resp	187226	Lower	118.0	49.4	Upper	177.0	74.2





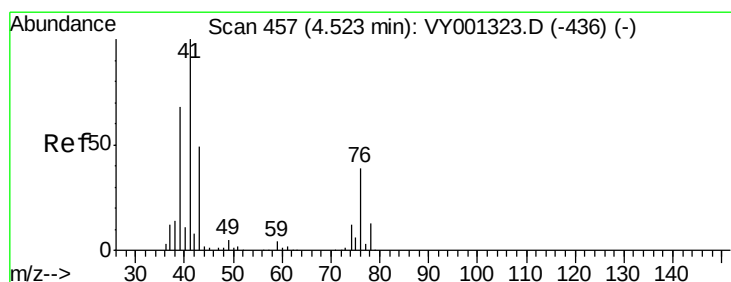
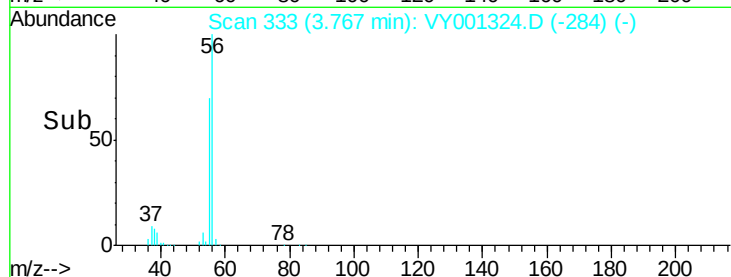
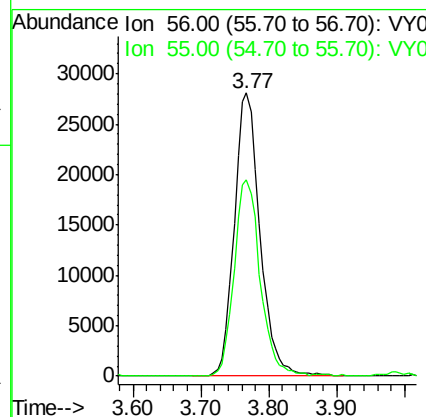
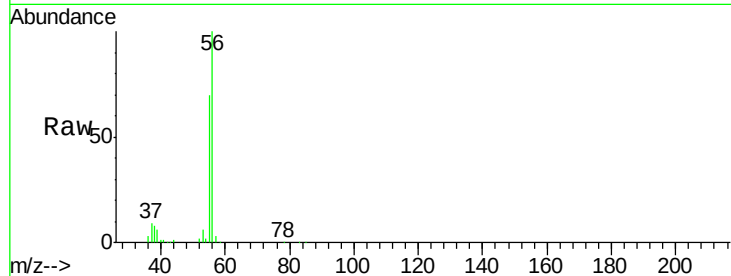
#13
Acrolein
Concen: 412.297 ug/l
RT: 3.77 min Scan# 333
Delta R.T. -0.00 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	73692
Ion Ratio	100	Lower	Upper
56	100		
55	70.6	55.9	83.9

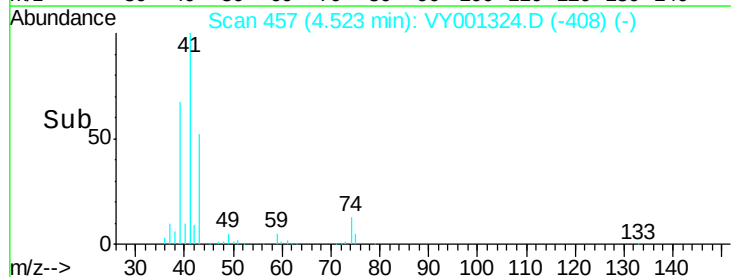
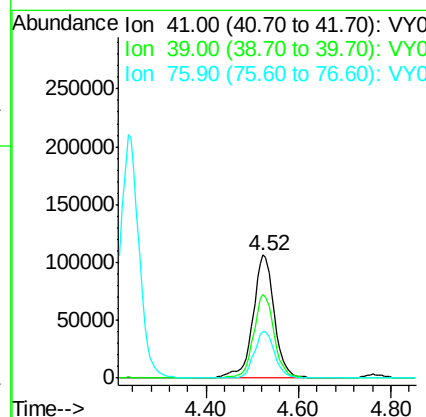
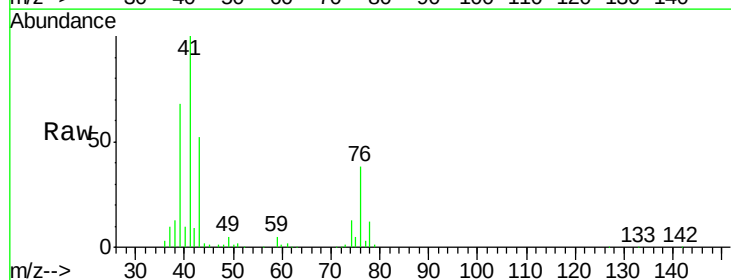
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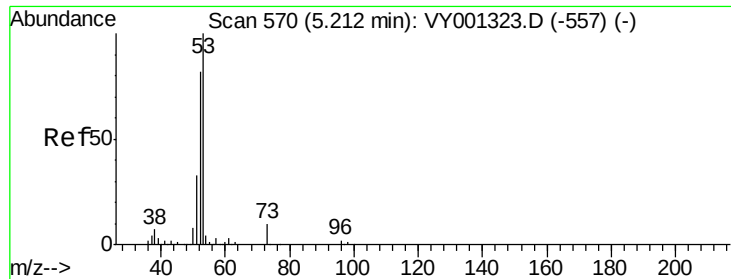
MMDadoda
1/22/2020 10:49:48 AM



#14
Allyl chloride
Concen: 101.345 ug/l
RT: 4.52 min Scan# 457
Delta R.T. -0.00 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	41	Resp	342748
Ion Ratio	100	Lower	Upper
41	100		
39	65.3	52.2	78.4
76	36.3	29.1	43.7





#15

Acrylonitrile

Concen: 545.429 ug/l

RT: 5.22 min Scan# 571

Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

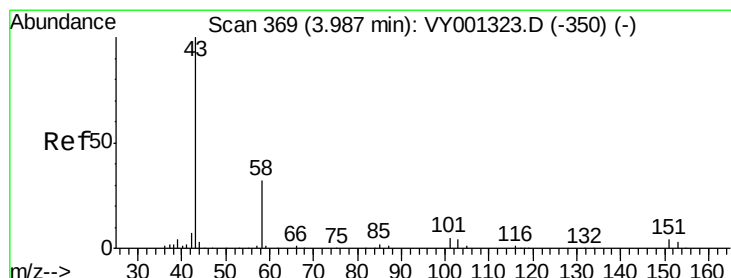
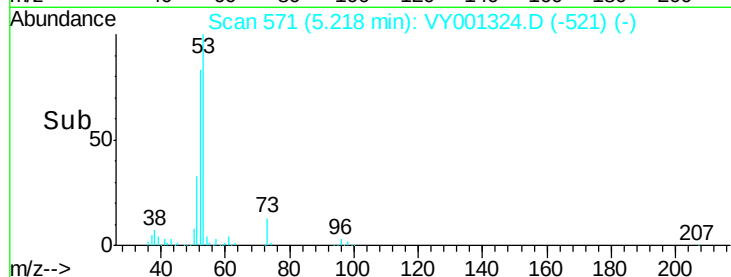
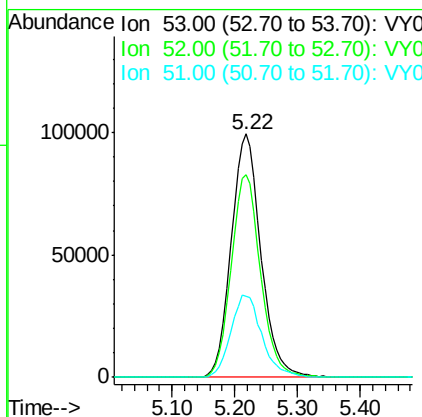
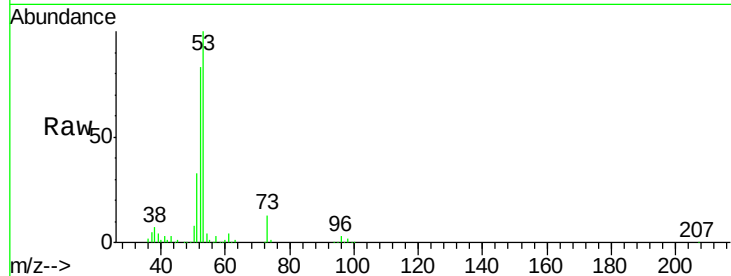
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	325429
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.3	97.9
51	35.5	28.4	42.6

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#16

Acetone

Concen: 521.131 ug/l

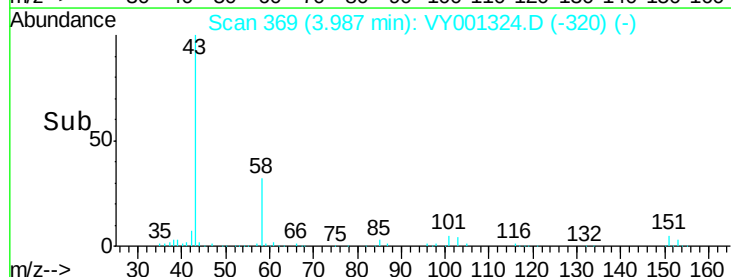
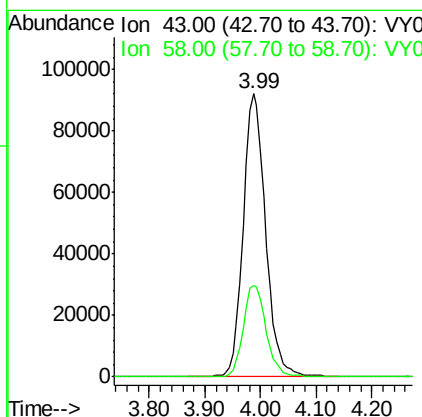
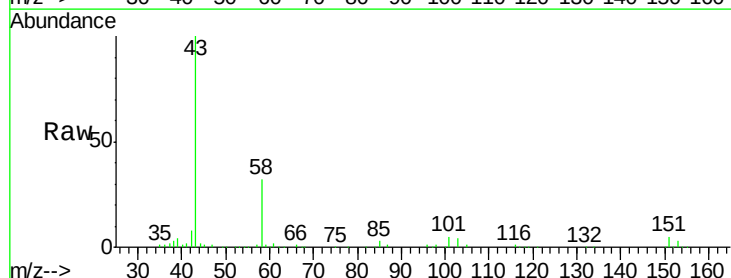
RT: 3.99 min Scan# 369

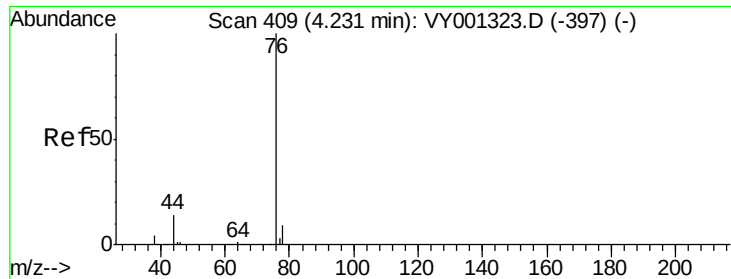
Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Tgt Ion:	43	Resp:	257627
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.4	38.0





#17

Carbon Disulfide

Concen: 92.211 ug/l

RT: 4.23 min Scan# 409

Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 588003

Ion Ratio Lower Upper

76 100

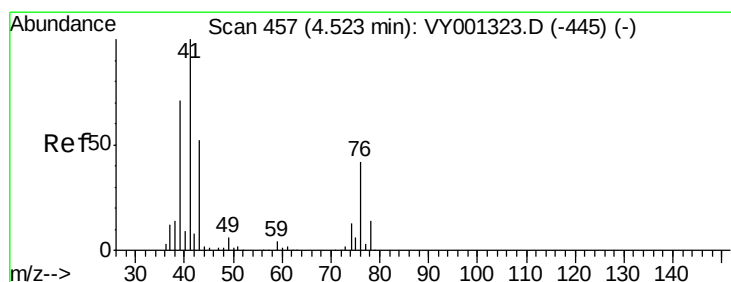
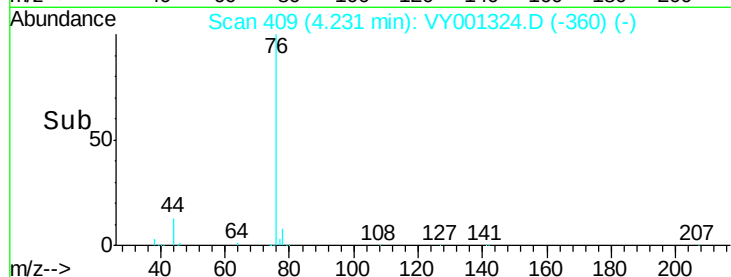
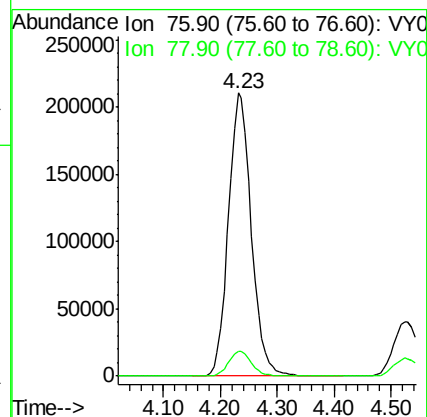
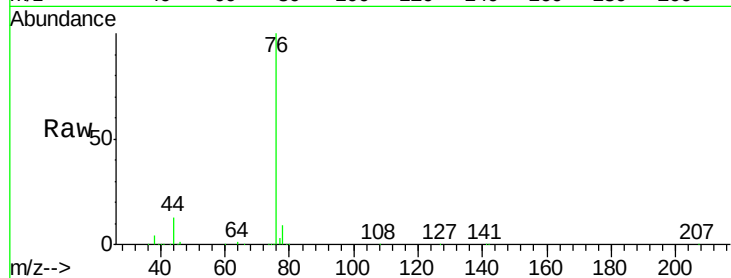
78 8.8 7.0 10.6

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#18

Methyl Acetate

Concen: 105.565 ug/l

RT: 4.52 min Scan# 457

Delta R.T. -0.00 min

Lab File: VY001324.D

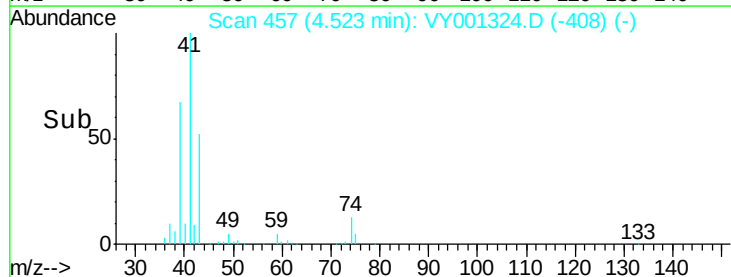
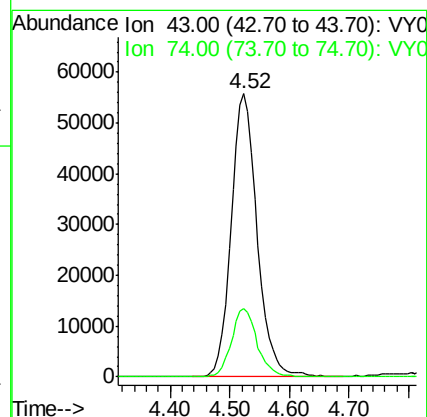
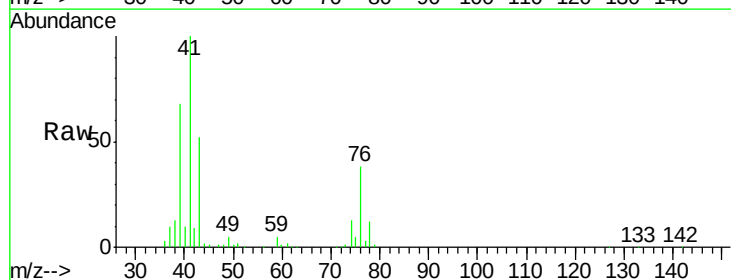
Acq: 21 Jan 2020 16:08

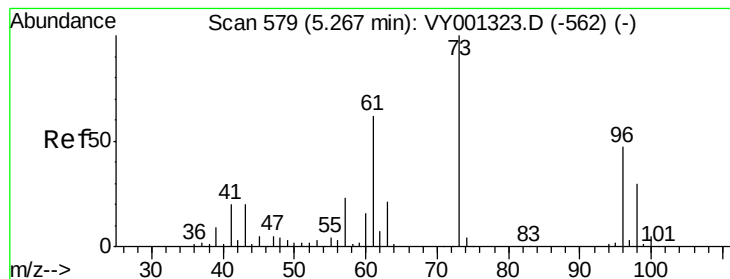
Tgt Ion: 43 Resp: 168494

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.2





#19

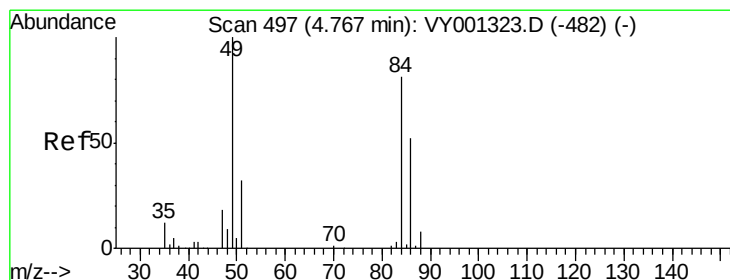
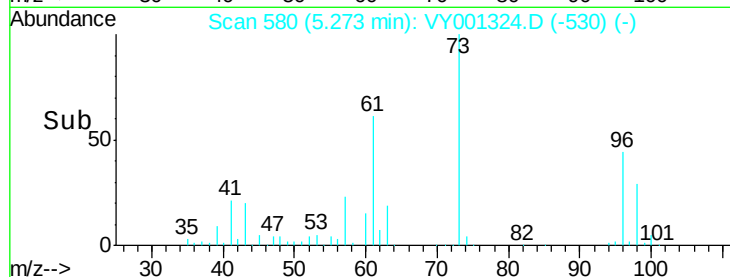
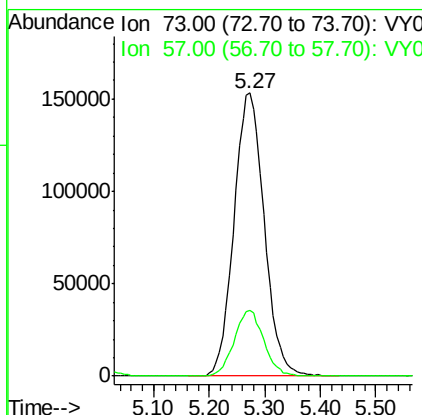
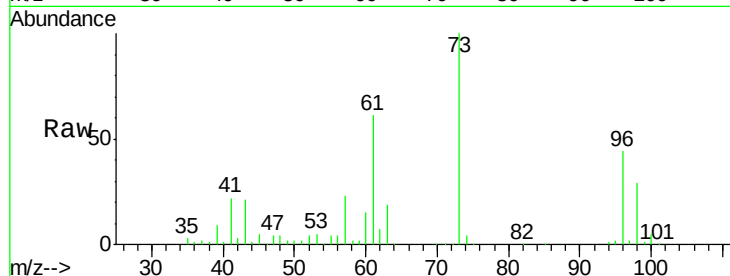
Methyl tert-butyl Ether
 Concen: 104.158 ug/l
 RT: 5.27 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.2	27.2

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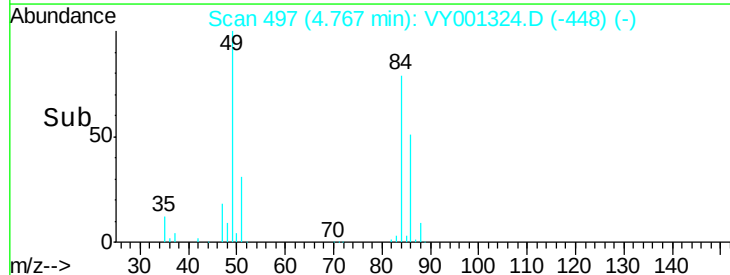
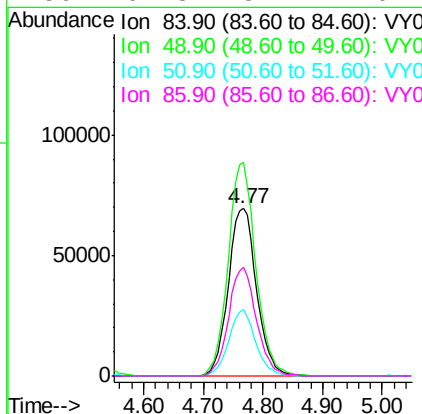
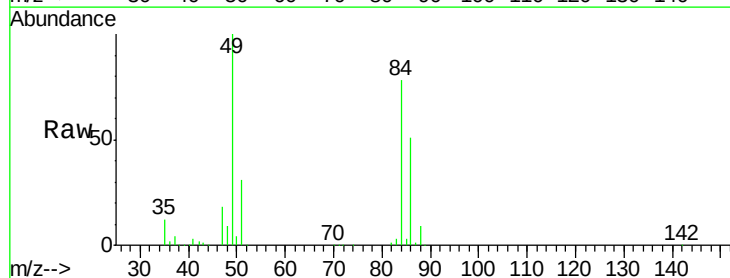
MMDadoda
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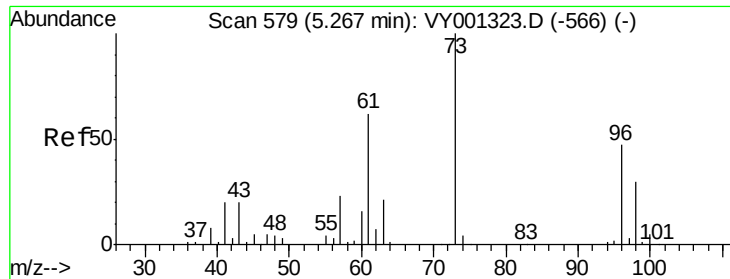


#20

Methylene Chloride
 Concen: 85.325 ug/l
 RT: 4.77 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.5	98.3	147.5
51	39.4	31.6	47.4
86	64.8	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 96.841 ug/l

RT: 5.27 min Scan# 579

Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 218389

Ion Ratio Lower Upper

96 100

61 136.3 106.8 160.2

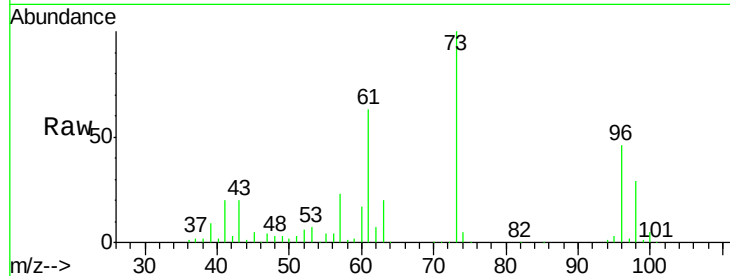
98 62.6 51.0 76.6

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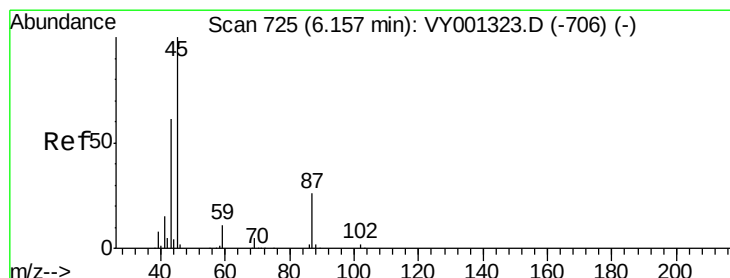
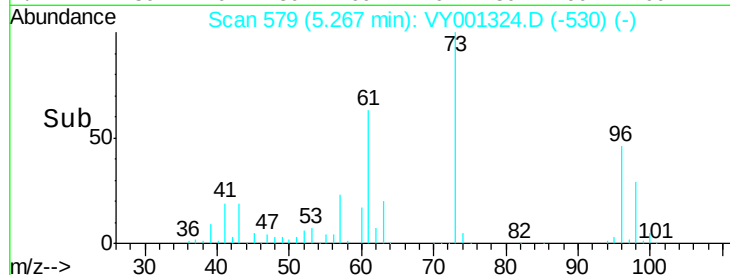
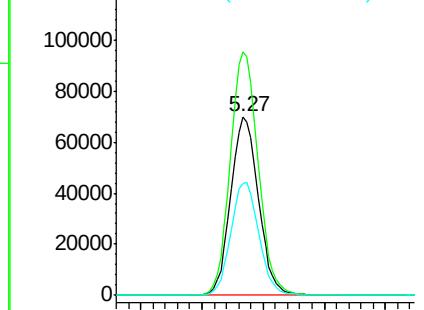


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 108.821 ug/l

RT: 6.17 min Scan# 727

Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Tgt Ion: 45 Resp: 754706

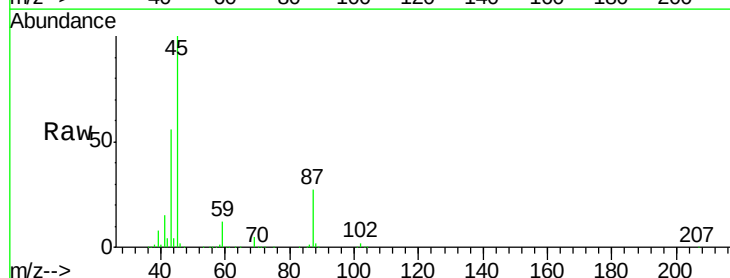
Ion Ratio Lower Upper

45 100

43 55.7 49.2 73.8

87 27.4 21.4 32.2

59 11.8 9.3 13.9



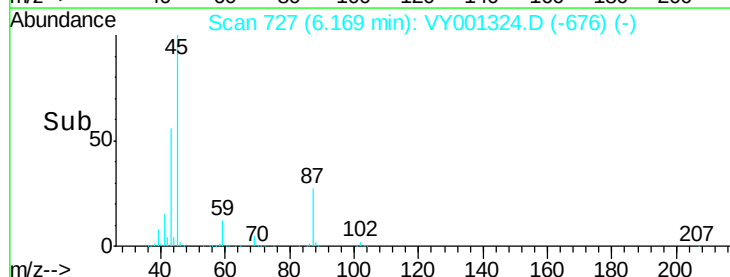
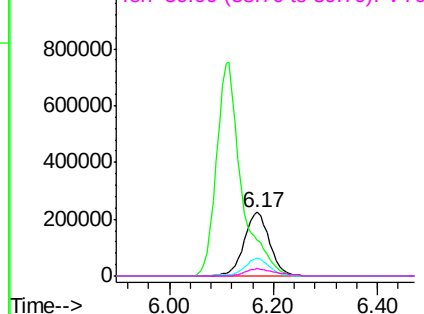
Abundance

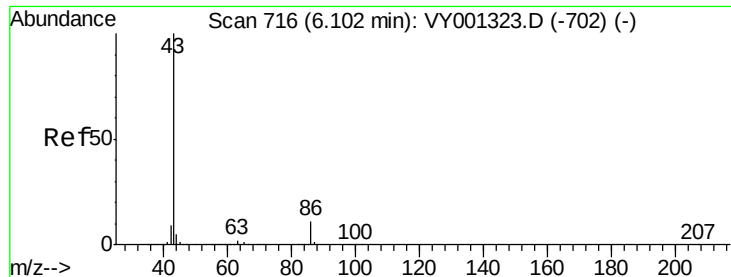
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 566.590 ug/l

RT: 6.11 min Scan# 718

Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2522171

Ion Ratio Lower Upper

43 100

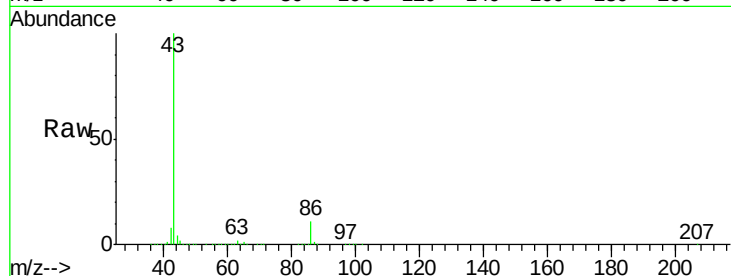
86 10.5 8.6 13.0

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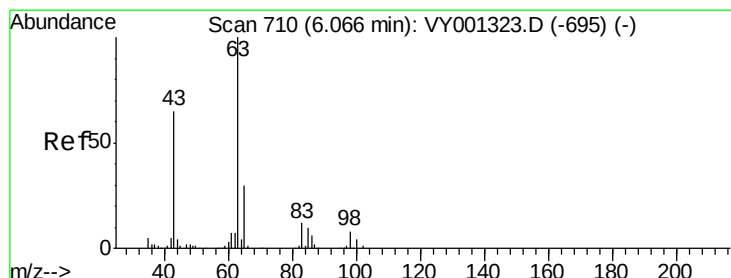
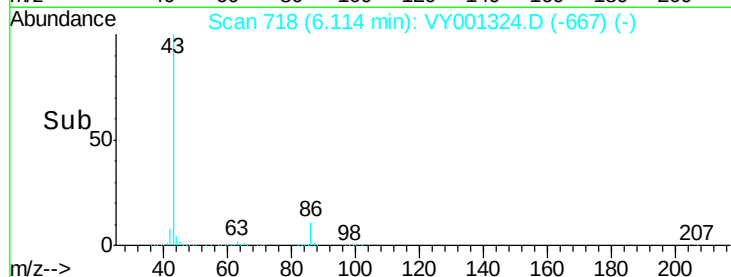
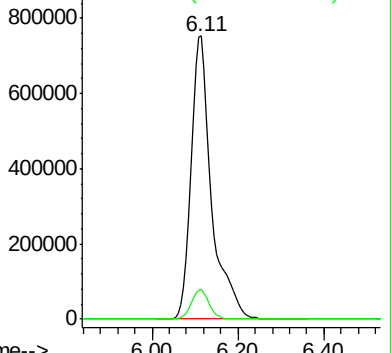
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 102.032 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

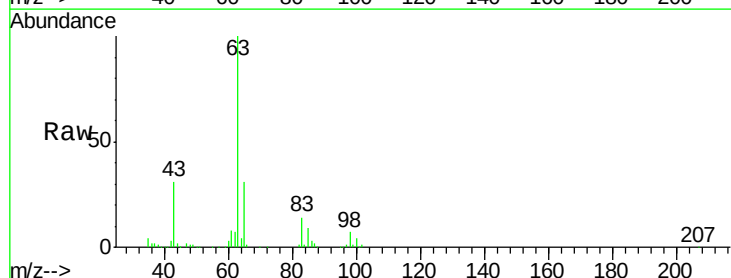
Tgt Ion: 63 Resp: 385712

Ion Ratio Lower Upper

63 100

98 6.9 4.0 12.0

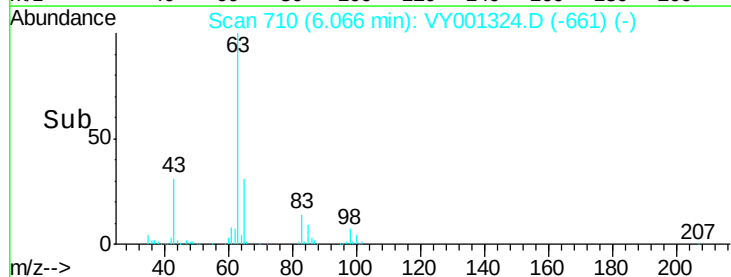
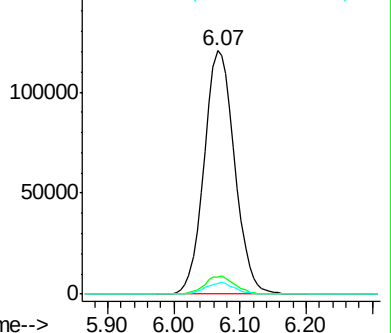
100 4.3 2.1 6.3

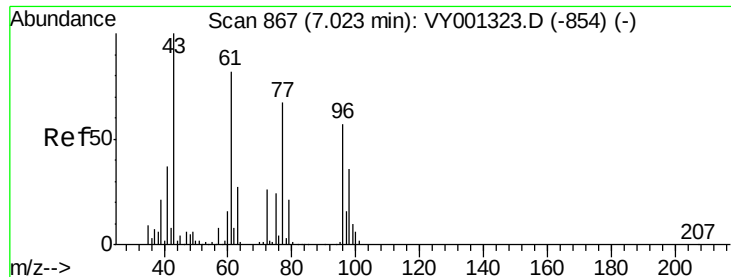


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





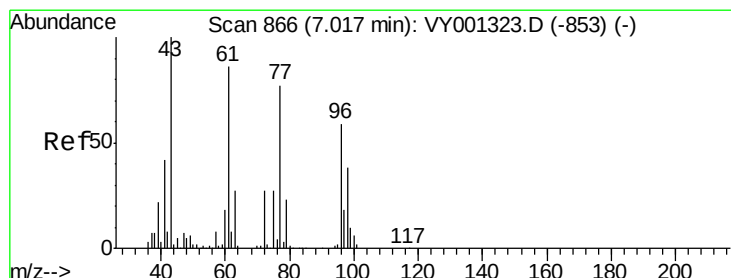
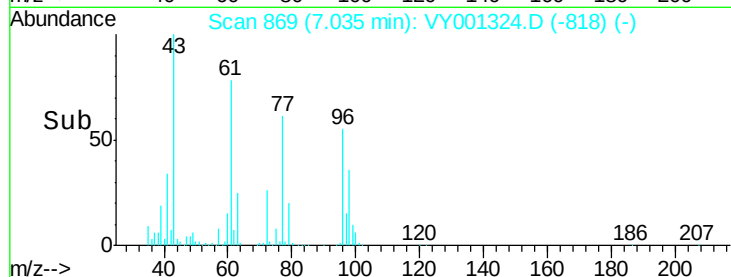
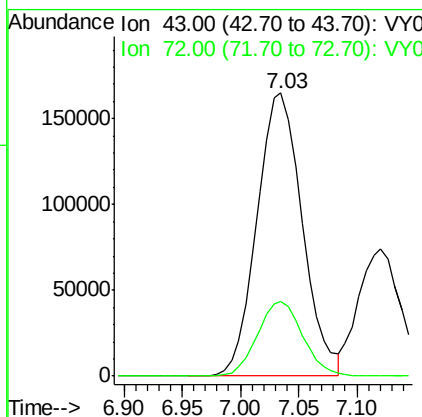
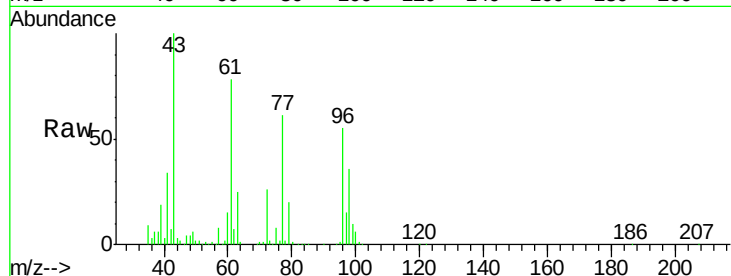
#25
2-Butanone
Concen: 582.141 ug/l
RT: 7.03 min Scan# 869
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 445066
Ion Ratio Lower Upper
43 100
72 26.2 20.6 31.0

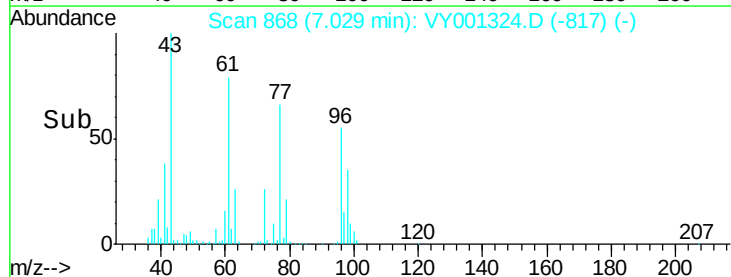
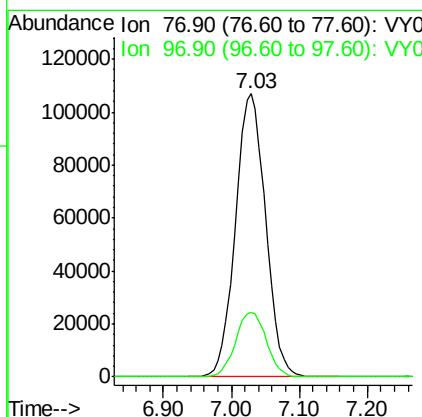
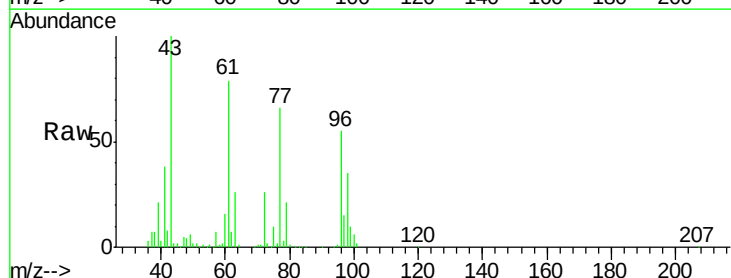
Manual Integrations
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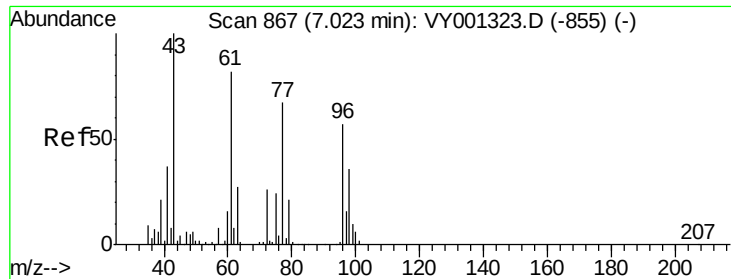
MMDadoda
1/22/2020 10:49:48 AM



#26
2,2-Dichloropropane
Concen: 95.097 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion: 77 Resp: 328499
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.5





#27

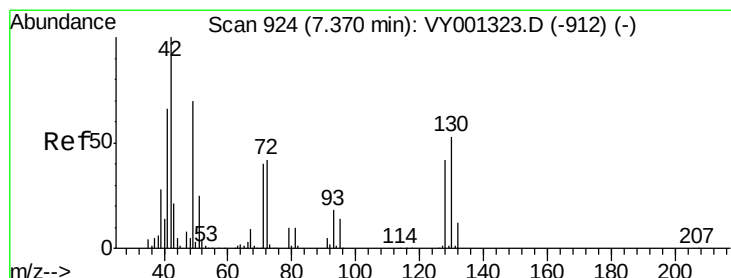
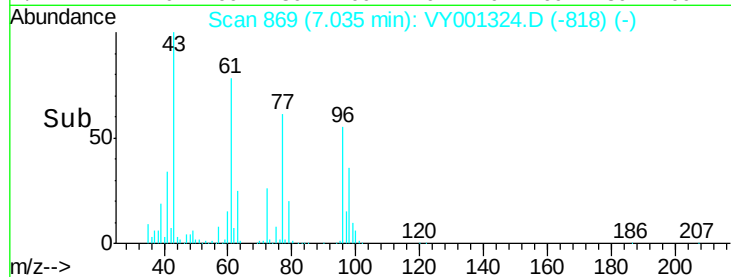
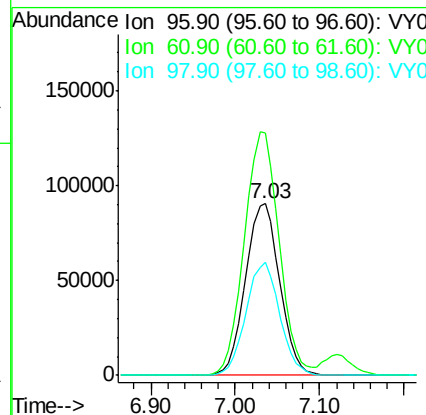
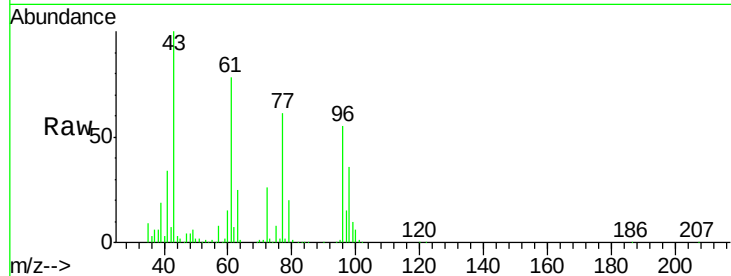
cis-1,2-Dichloroethene
Concen: 100.493 ug/l
RT: 7.03 min Scan# 869
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	249119		
61	144.0	0.0	284.8	
98	65.0	0.0	128.4	

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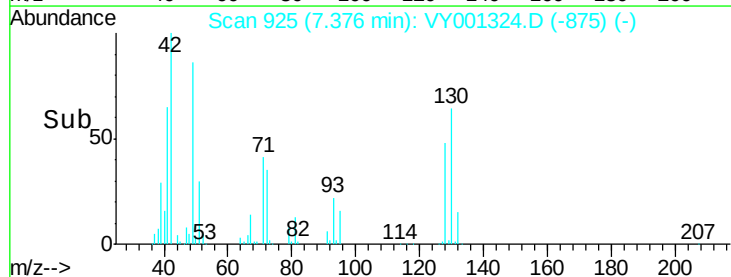
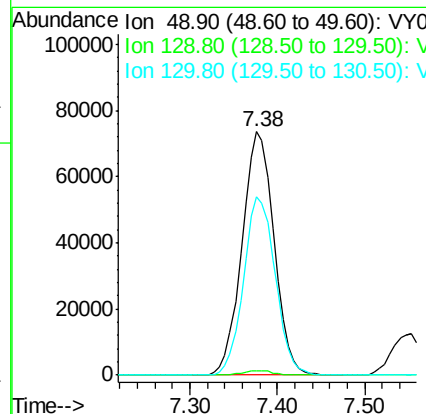
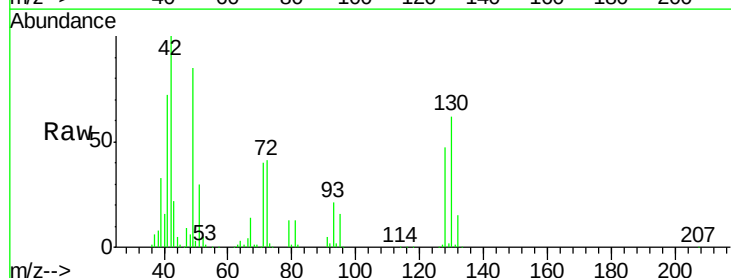
MMDadoda
1/22/2020 10:49:48 AM

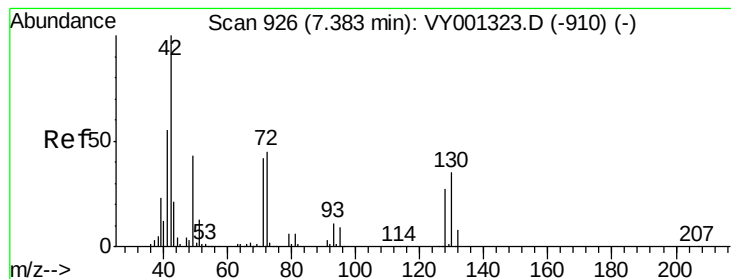


#28

Bromochloromethane
Concen: 121.187 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	186743		
129	1.8	0.0	4.0	
130	72.8	58.9	88.3	





#29

Tetrahydrofuran

Concen: 579.842 ug/l

RT: 7.39 min Scan# 927

Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

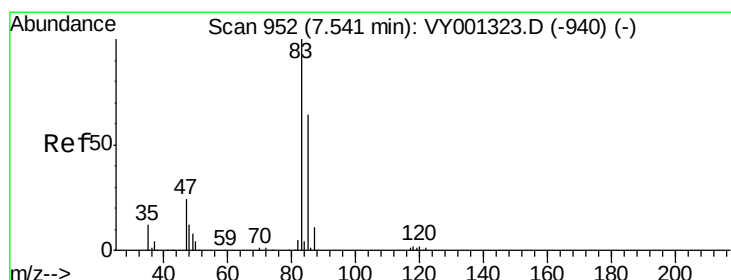
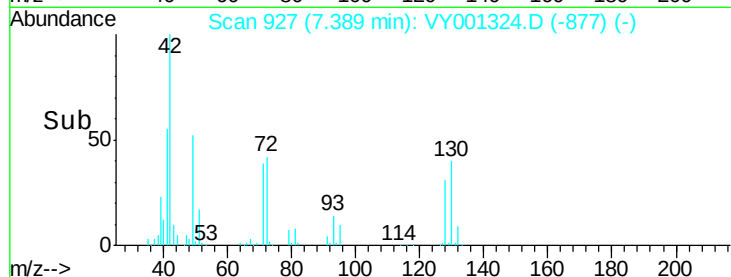
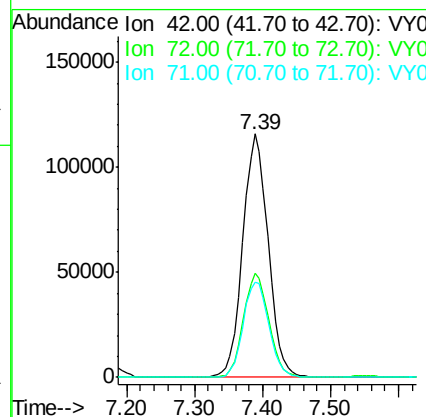
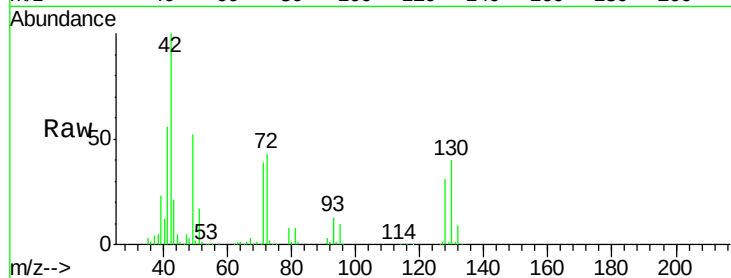
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	300851
Ion Ratio		Lower	Upper
42	100		
72	42.6	34.6	51.8
71	39.5	32.6	48.8

Manual Integrations
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MMDadoda
1/22/2020 10:49:48 AM



#30

Chloroform

Concen: 102.679 ug/l

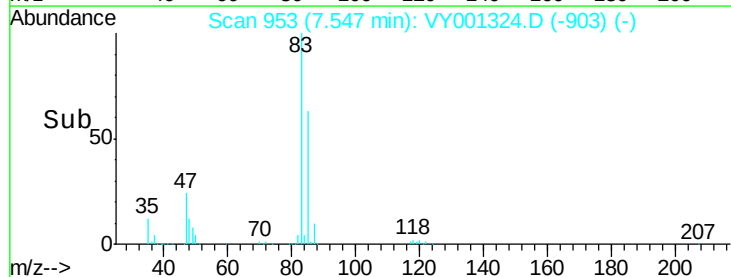
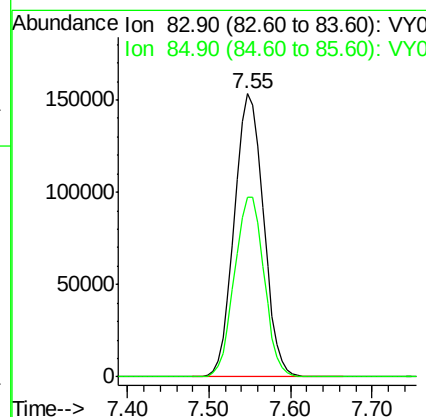
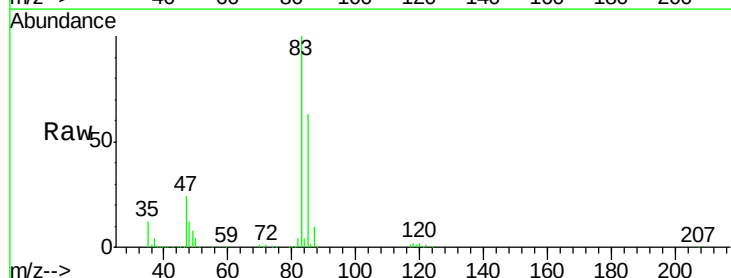
RT: 7.55 min Scan# 953

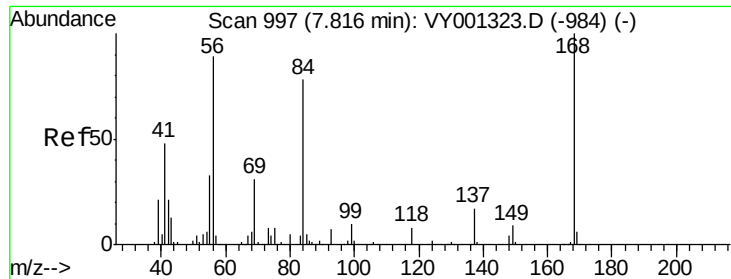
Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Tgt Ion:	83	Resp:	378659
Ion Ratio		Lower	Upper
83	100		
85	63.4	51.5	77.3





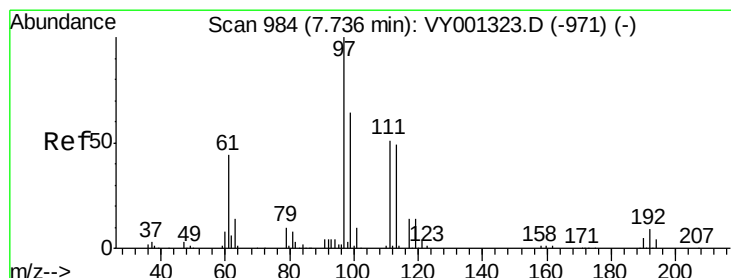
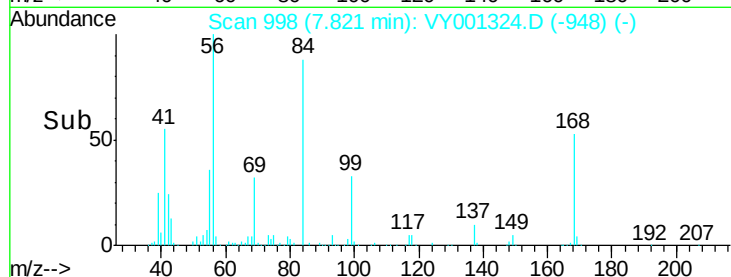
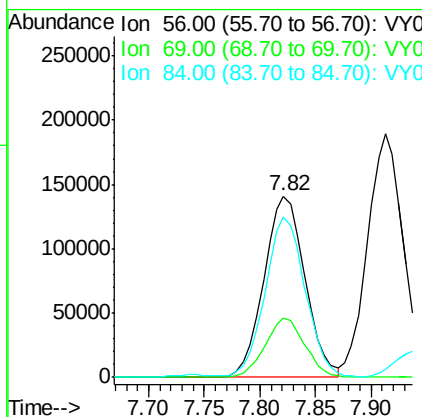
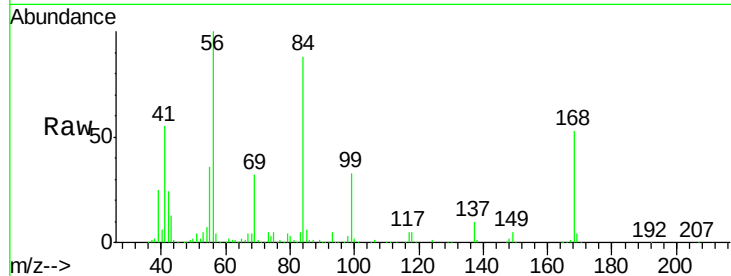
#31
Cyclohexane
Concen: 91.244 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.6	41.4
84	86.7	69.7	104.5

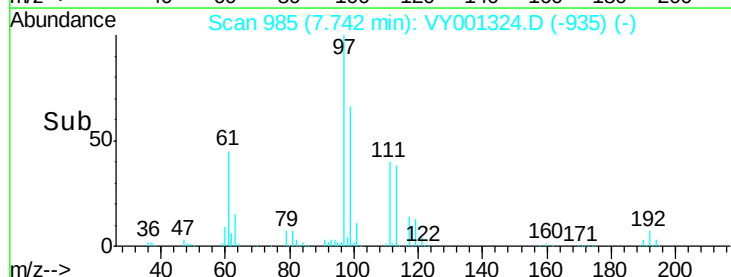
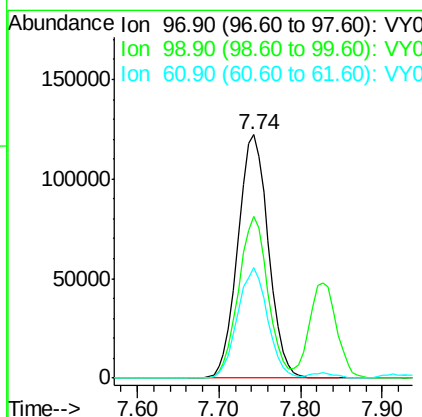
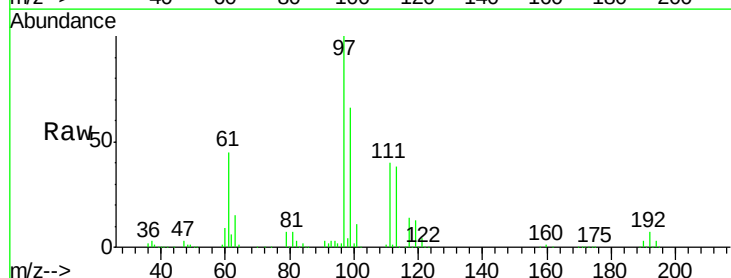
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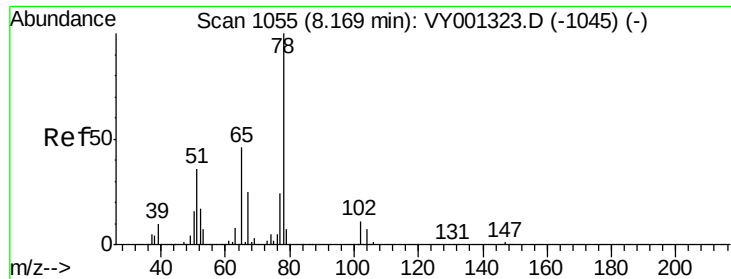
MMDadoda
1/22/2020 10:49:48 AM



#32
1,1,1-Trichloroethane
Concen: 97.424 ug/l
RT: 7.74 min Scan# 985
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	44.6	35.9	53.9





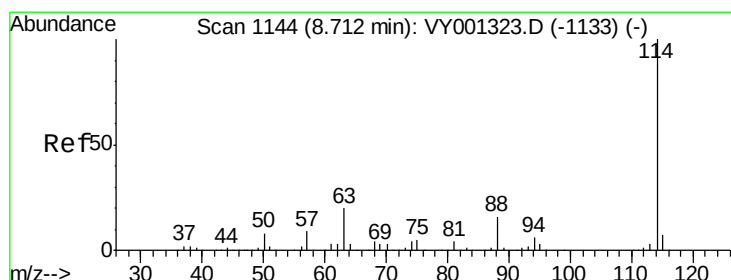
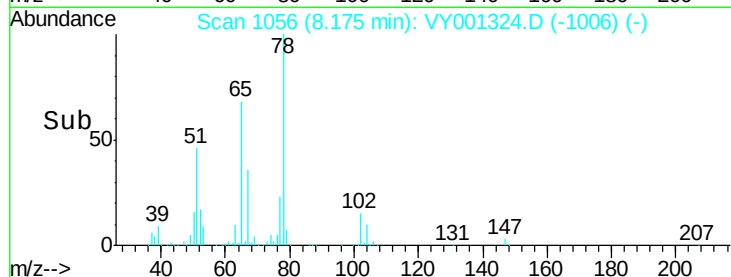
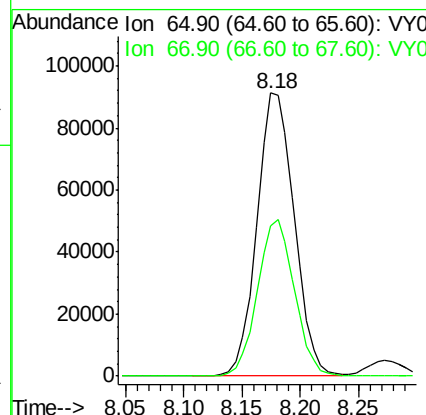
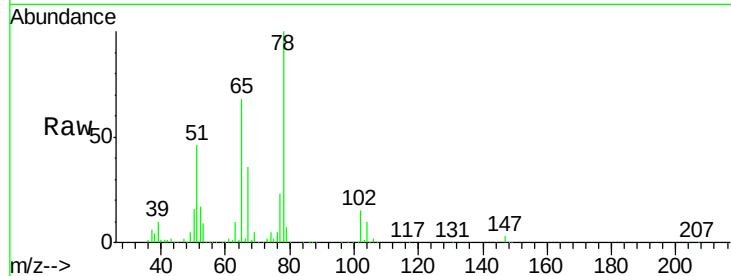
#33
 1,2-Dichloroethane-d4
 Concen: 99.182 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 202848
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.6

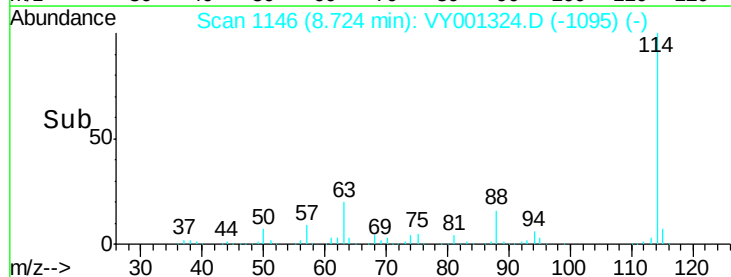
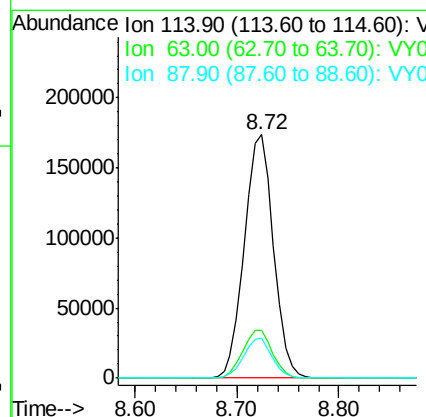
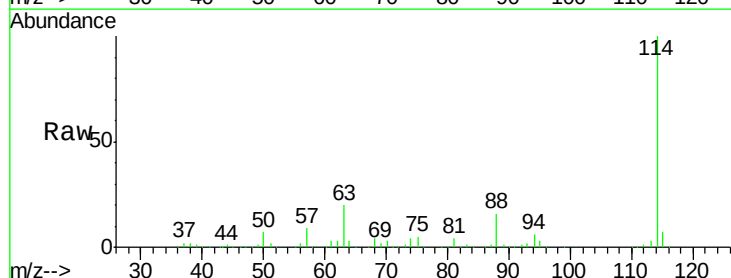
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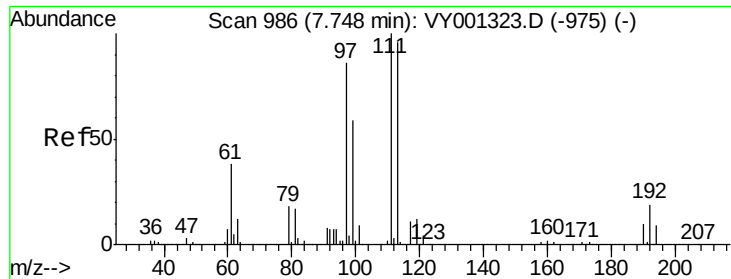
MMDadoda
 1/22/2020 10:49:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Tgt Ion: 114 Resp: 344020
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.8
 88 16.5 0.0 31.0





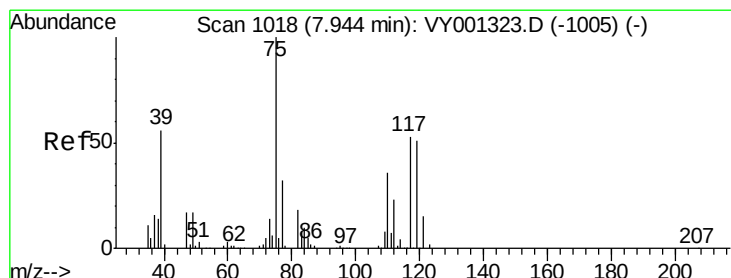
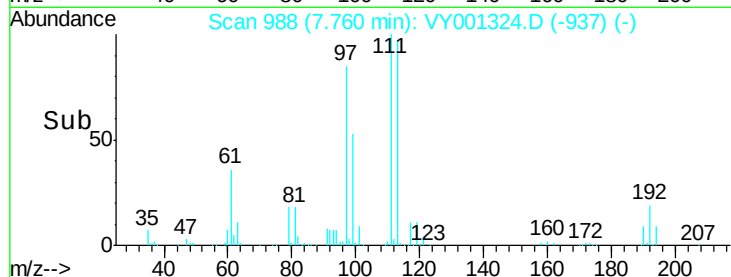
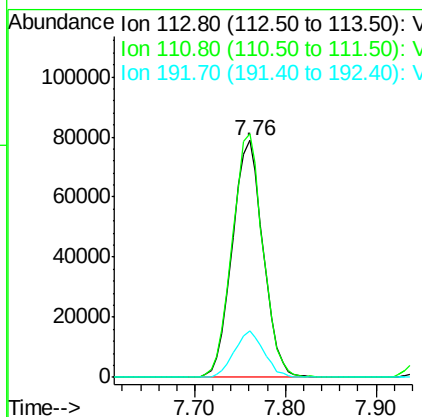
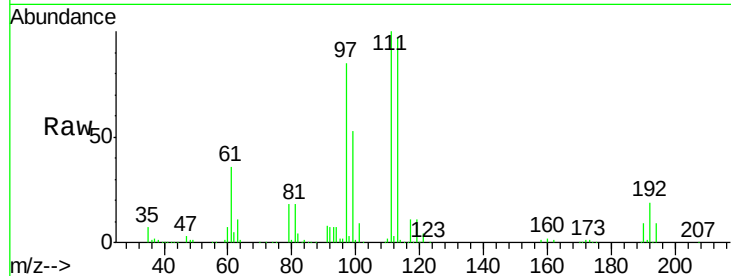
#35
 Dibromofluoromethane
 Concen: 92.197 ug/l
 RT: 7.76 min Scan# 988
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185954		
111	102.5	82.8	124.2	
192	19.0	15.5	23.3	

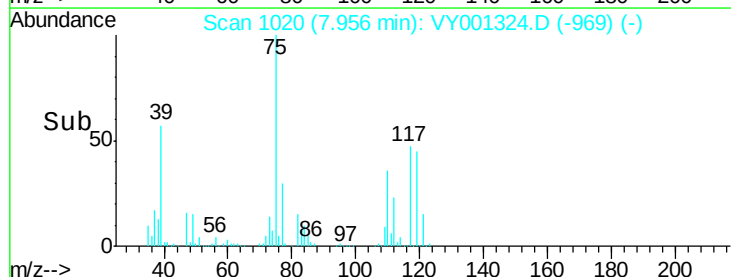
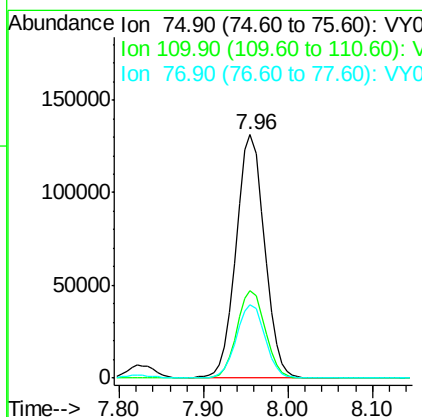
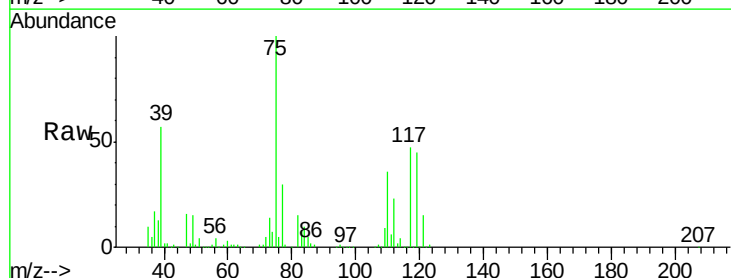
Manual Integrations
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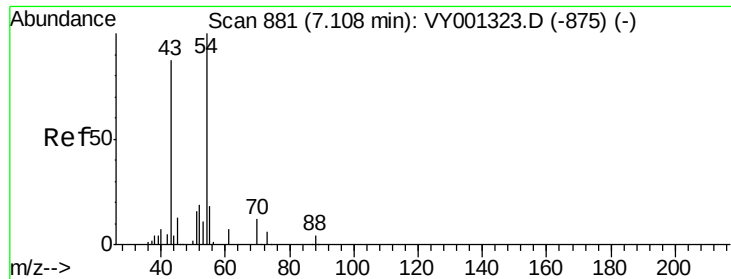
MMDadoda
 1/22/2020 10:49:48 AM



#36
 1,1-Dichloropropene
 Concen: 94.962 ug/l
 RT: 7.96 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	298946		
110	35.7	17.6	52.8	
77	30.7	24.7	37.1	





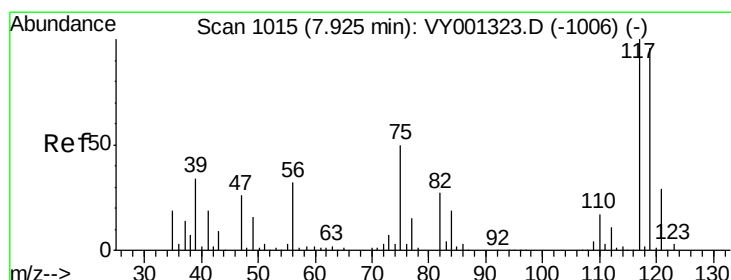
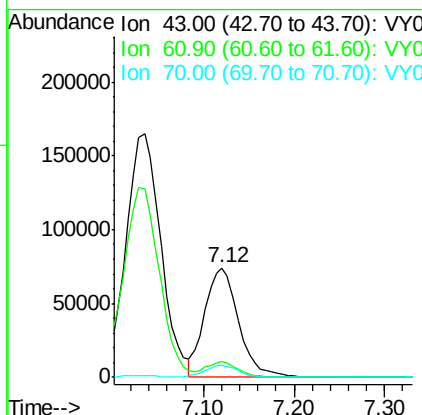
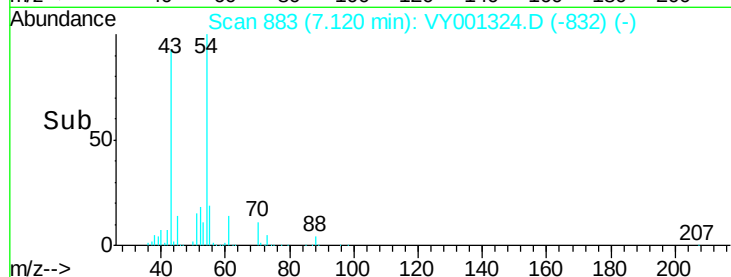
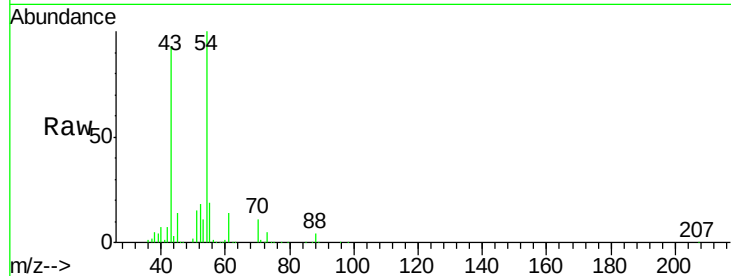
#37
Ethyl Acetate
Concen: 103.481 ug/l
RT: 7.12 min Scan# 883
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.3	16.9
70	11.0	8.7	13.1

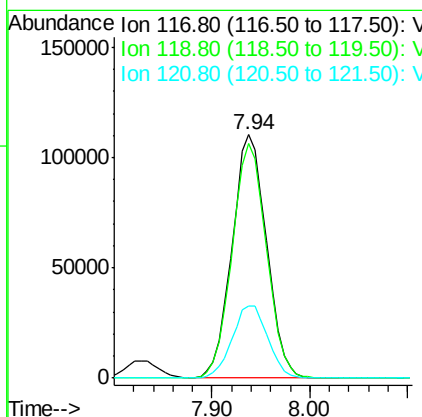
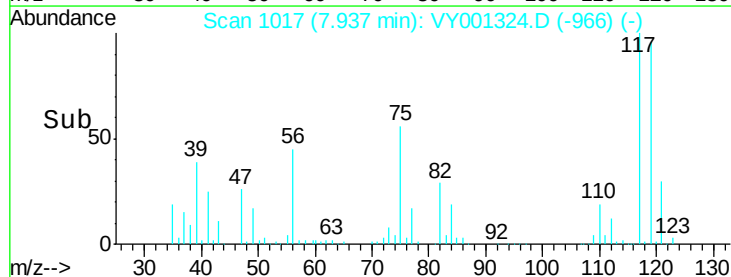
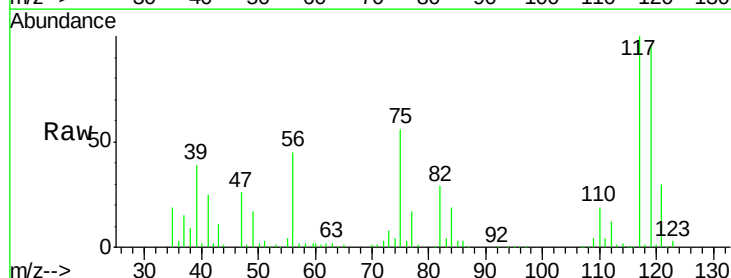
Manual Integrations
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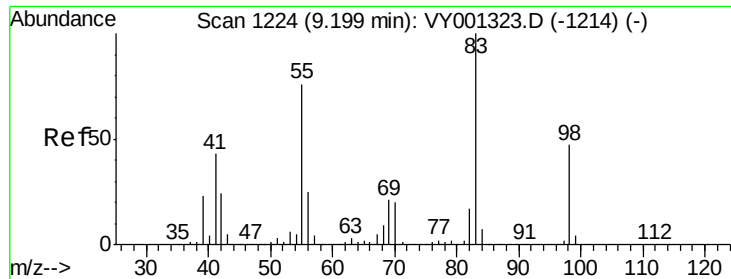
MMDadoda
1/22/2020 10:49:48 AM



#38
Carbon Tetrachloride
Concen: 93.815 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.3	114.5
121	29.7	23.5	35.3





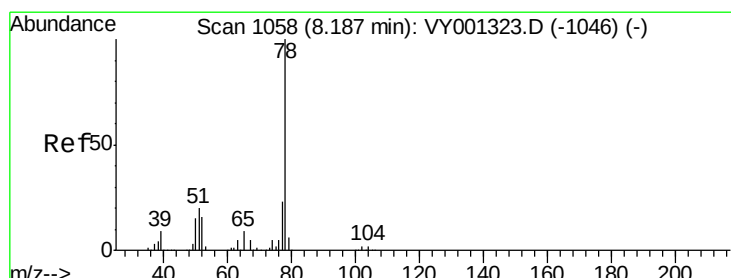
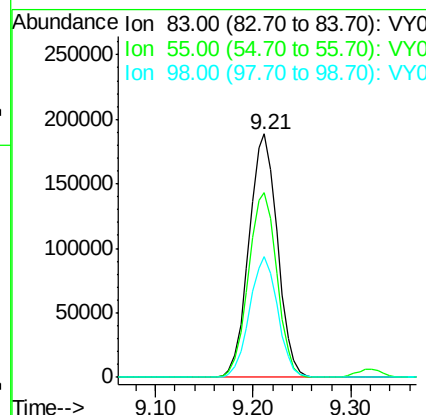
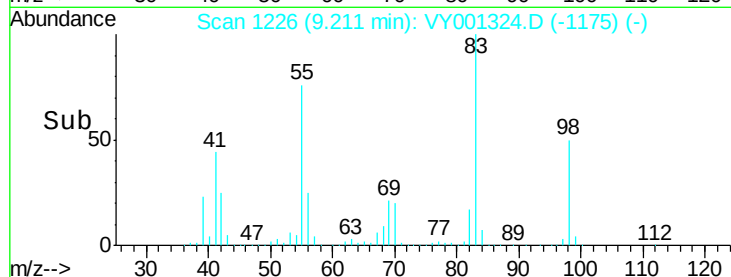
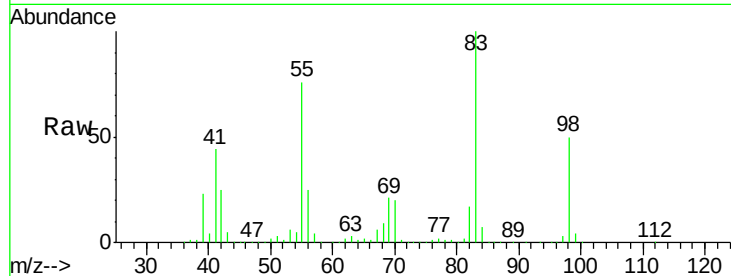
#39
Methylvlcyclohexane
Concen: 89.840 ug/l
RT: 9.21 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.7	91.1
98	49.7	37.8	56.8

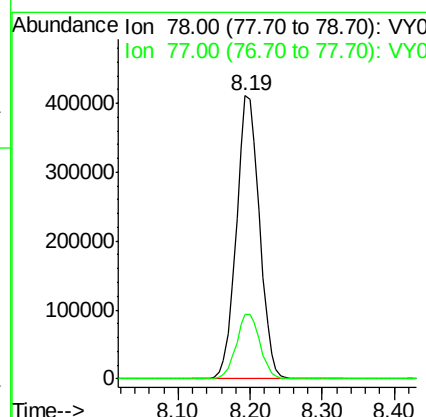
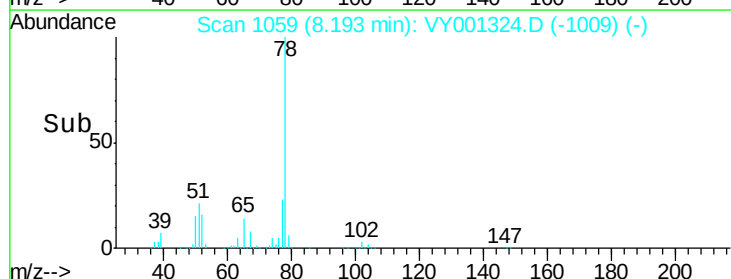
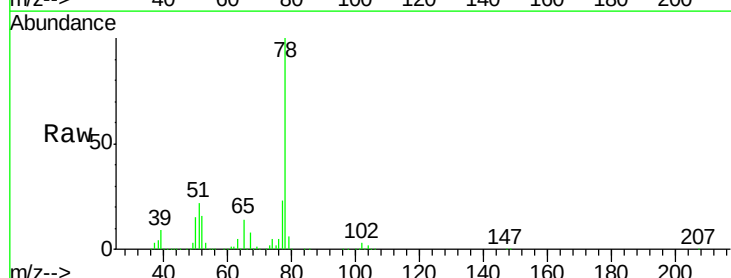
Manual Integrations
APPROVED

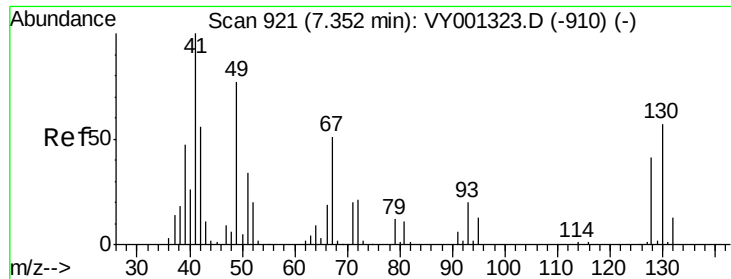
MMDadoda
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#40
Benzene
Concen: 98.973 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	27.8





#41

Methacrylonitrile

Concen: 119.389 ug/l m

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 105239

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

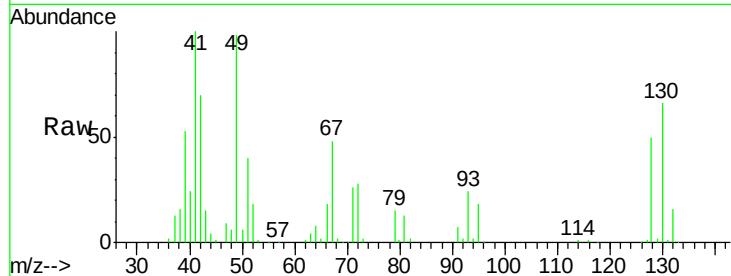
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

1/22/2020 10:49:48 AM

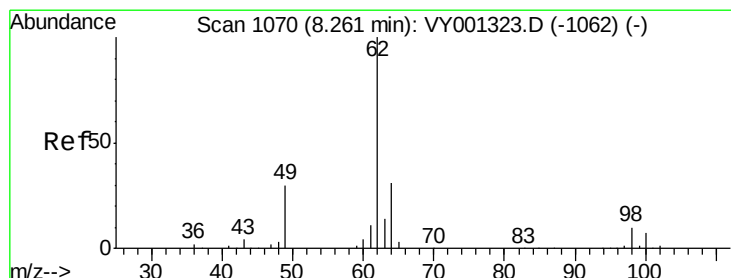
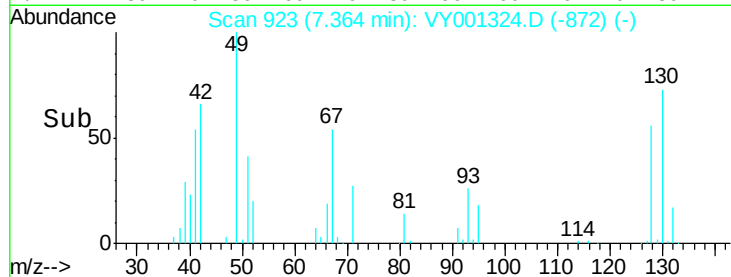
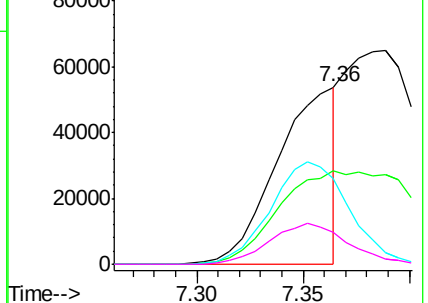


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 100.905 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. 0.01 min

Lab File: VY001324.D

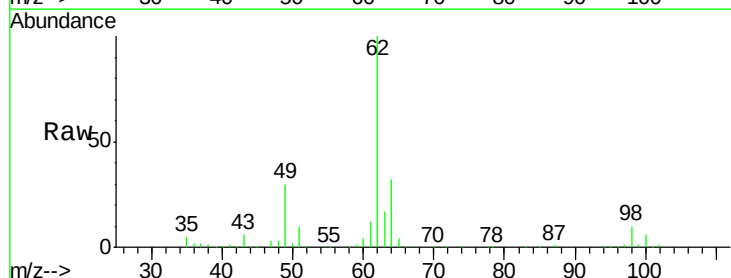
Acq: 21 Jan 2020 16:08

Tgt Ion: 62 Resp: 260989

Ion Ratio Lower Upper

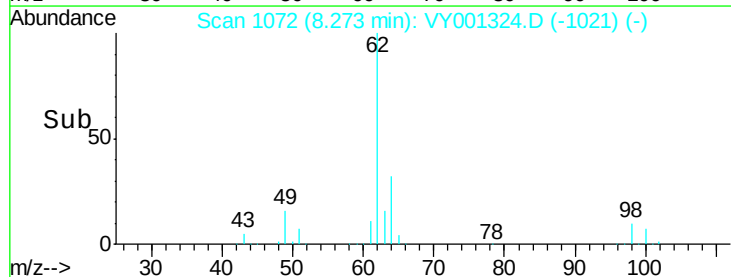
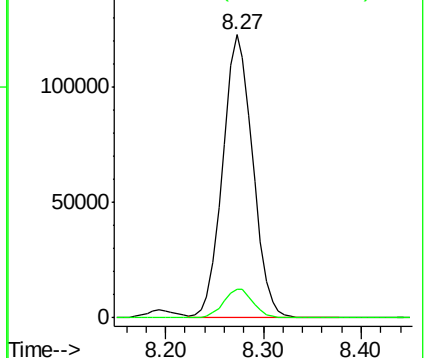
62 100

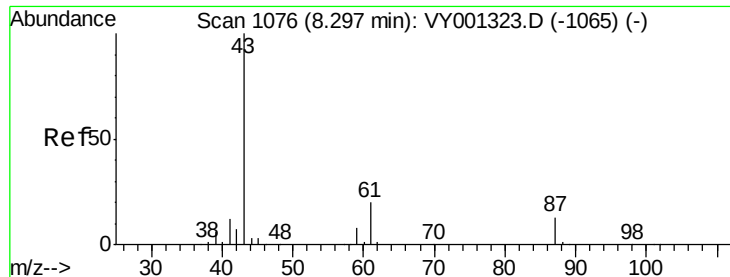
98 10.2 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 106.606 ug/l

RT: 8.31 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

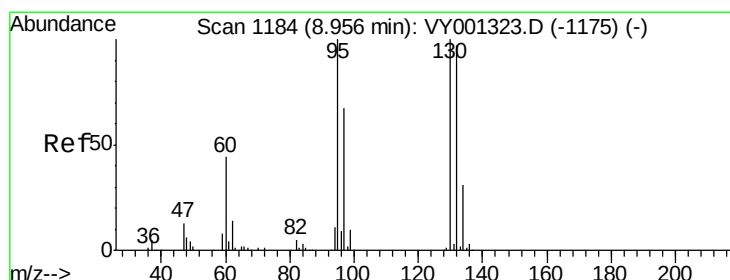
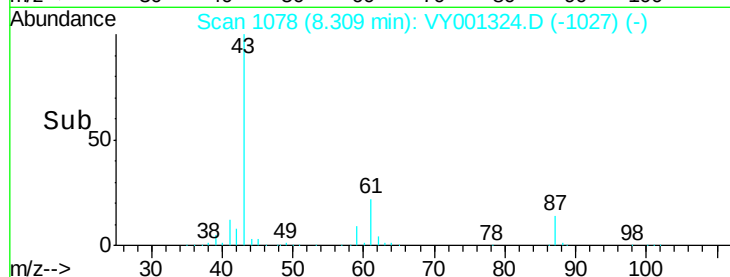
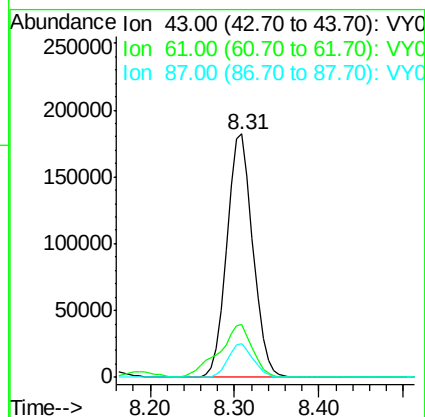
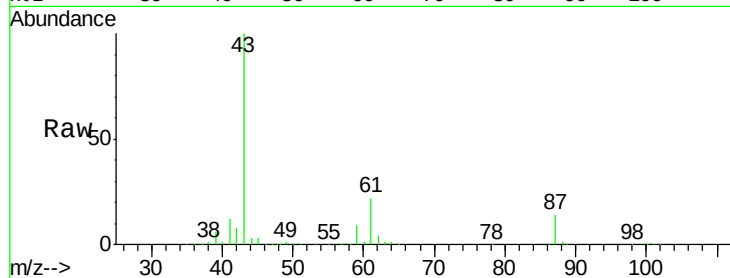
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	382463
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.7	34.1
87	13.5	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 96.146 ug/l

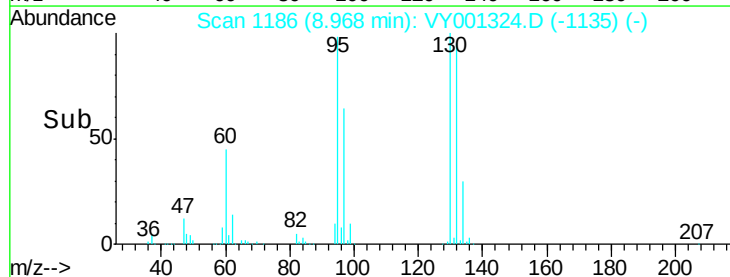
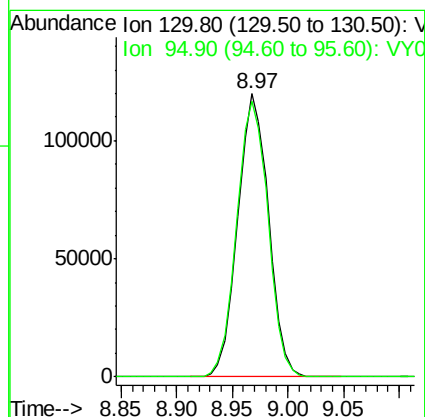
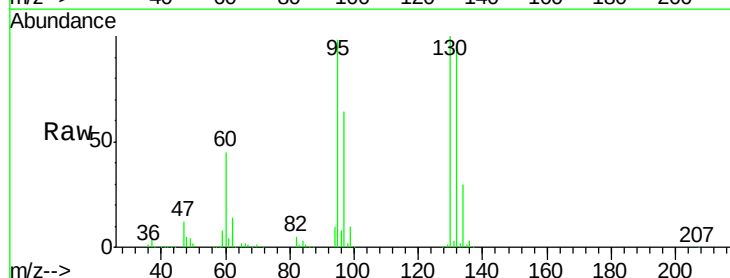
RT: 8.97 min Scan# 1186

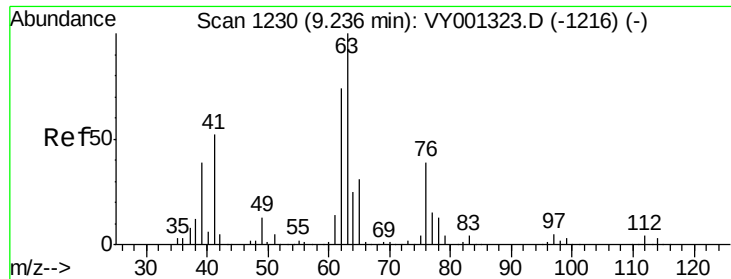
Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Tgt Ion:	130	Resp:	229811
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	200.0





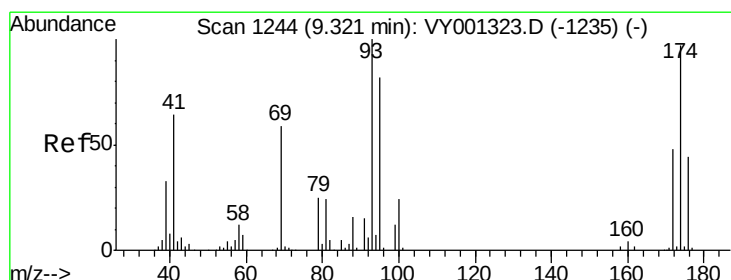
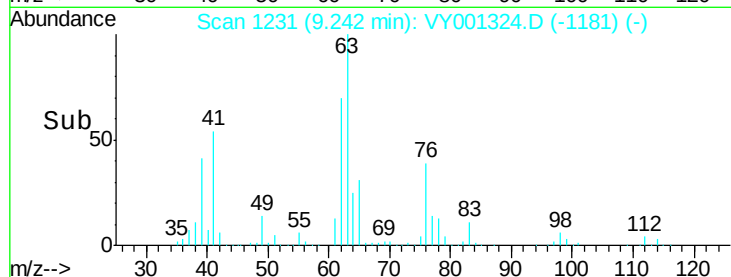
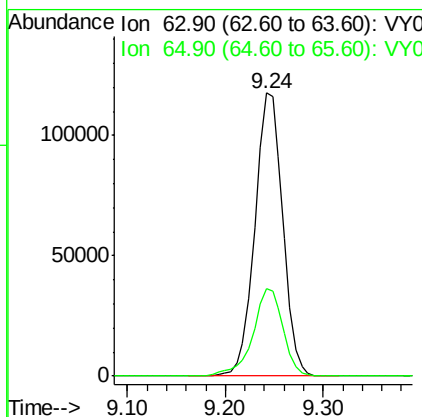
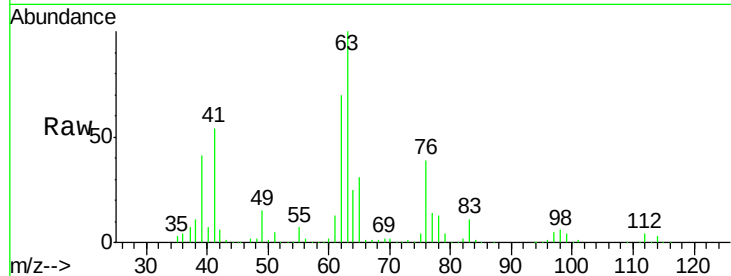
#45
 1,2-Dichloropropane
 Concen: 101.833 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 234068
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.9 37.3

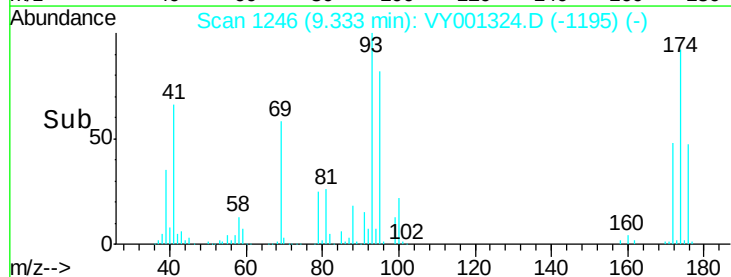
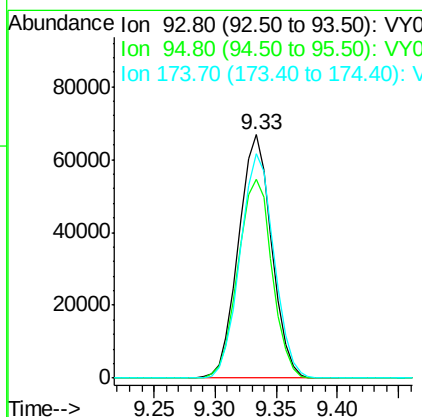
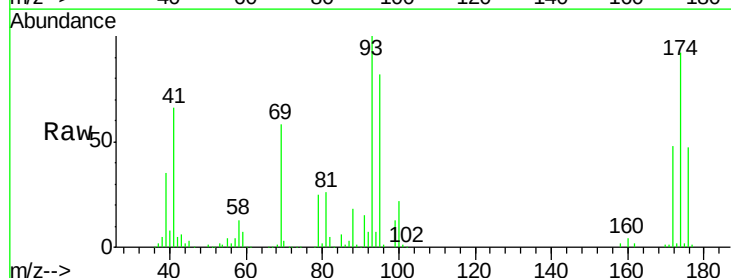
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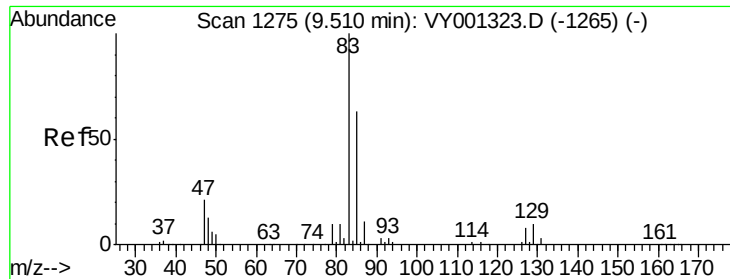
MMDadoda
 1/22/2020 10:49:48 AM



#46
 Dibromomethane
 Concen: 100.762 ug/l
 RT: 9.33 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Tgt Ion: 93 Resp: 125566
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 94.1 77.9 116.9





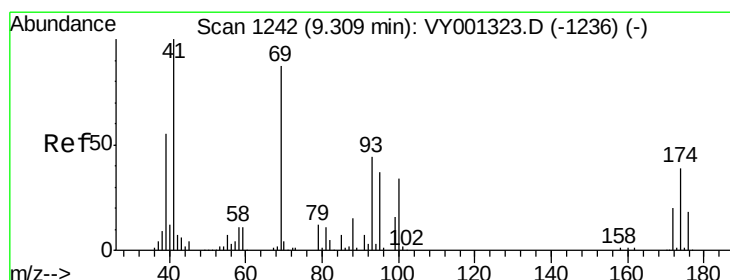
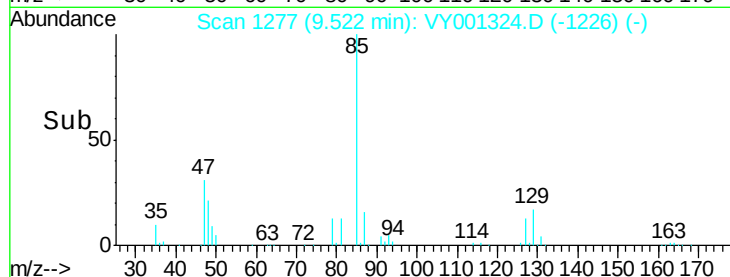
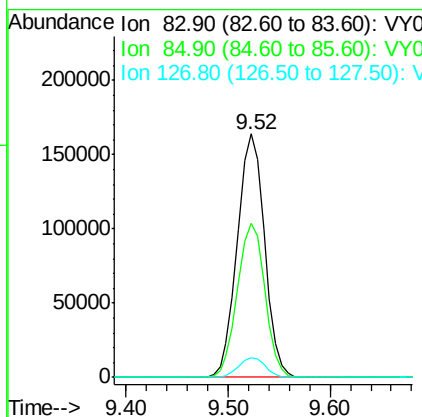
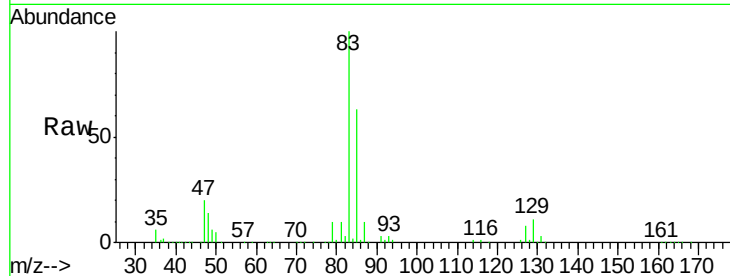
#47
Bromodichloromethane
Concen: 100.376 ug/l
RT: 9.52 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.2	75.2
127	7.9	6.4	9.6

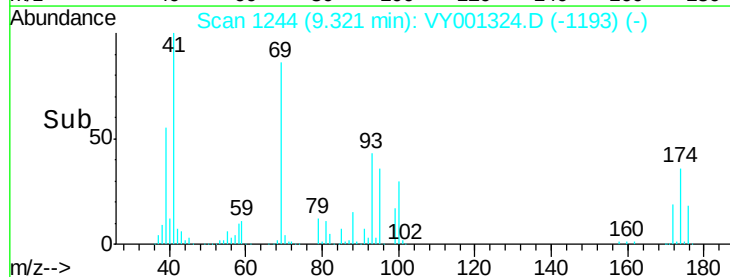
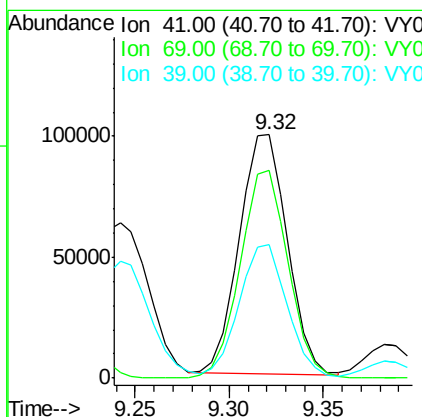
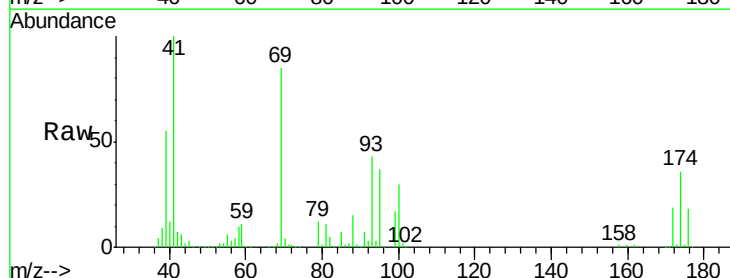
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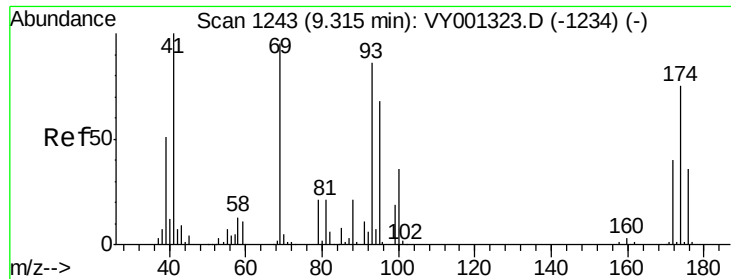
MMDadoda
1/22/2020 10:49:48 AM



#48
Methyl methacrylate
Concen: 106.421 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.8	70.2	105.4
39	56.1	45.7	68.5





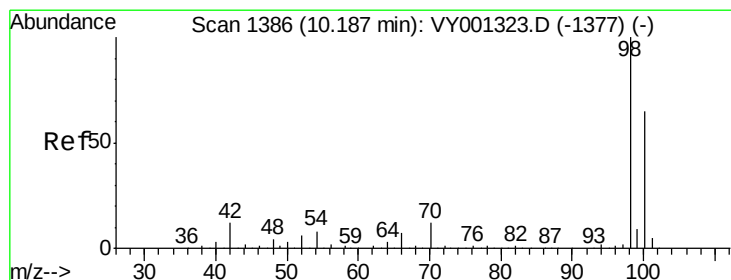
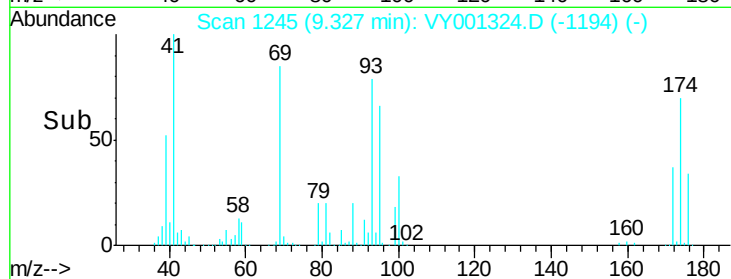
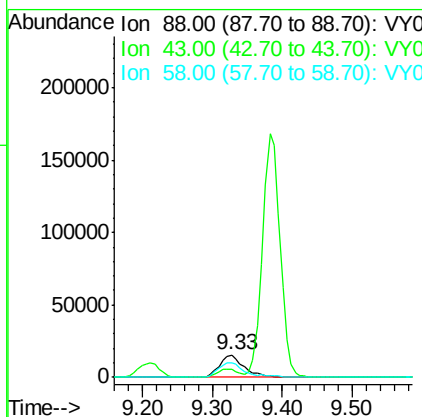
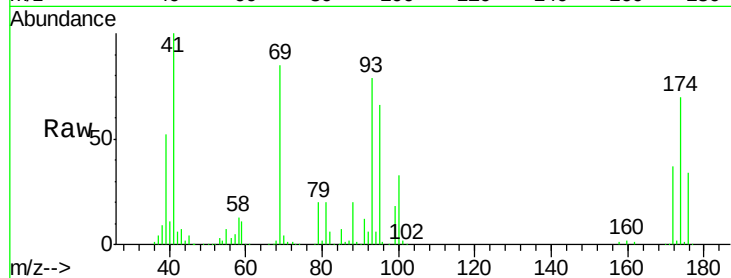
#49
1,4-Dioxane
Concen: 2487.006 ug/l
RT: 9.33 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	28.2	42.2
58	72.0	55.6	83.4

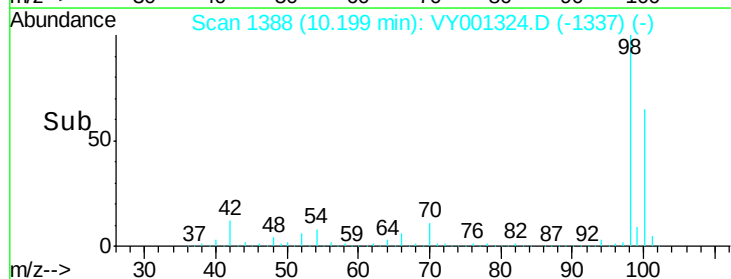
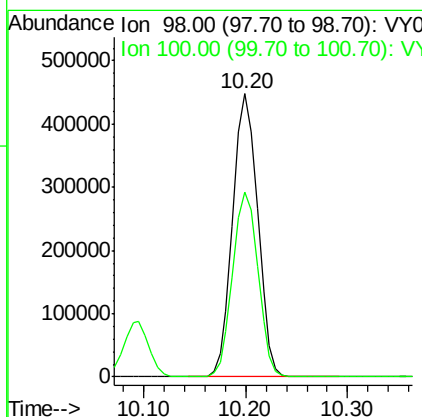
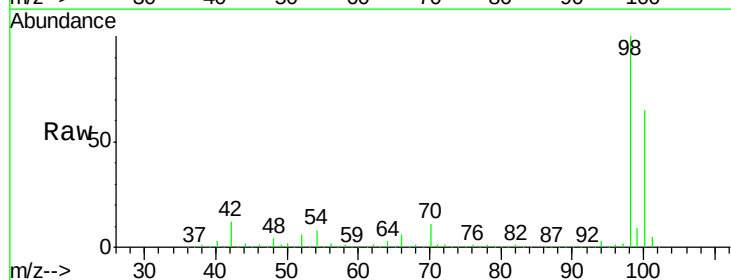
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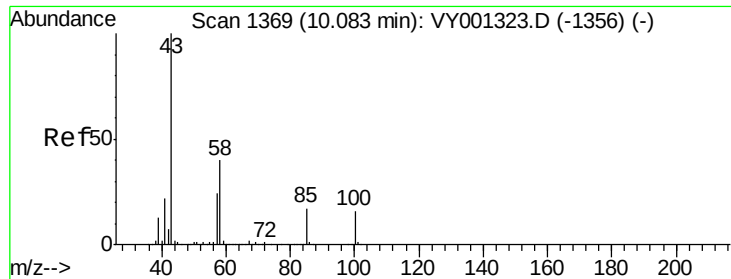
MMDadoda
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#50
Toluene-d8
Concen: 98.053 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	79.0





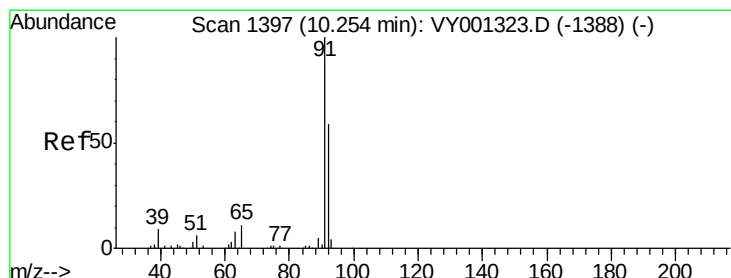
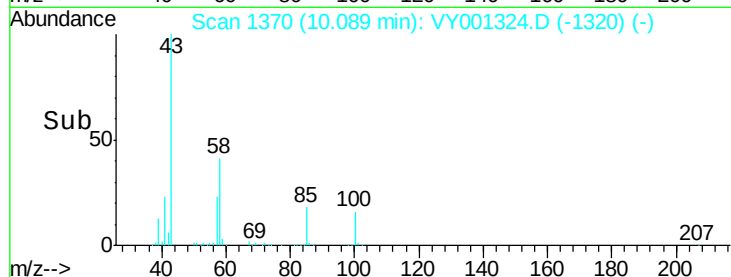
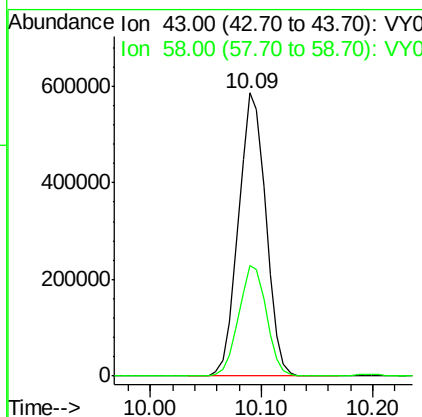
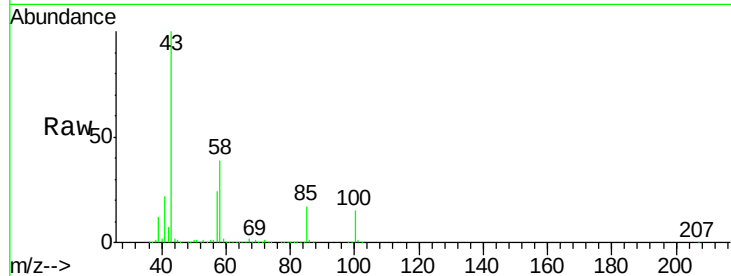
#51
4-Methyl-2-Pentanone
Concen: 547.672 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	997479
Ion Ratio	100	Lower	Upper
58	39.4	31.5	47.3

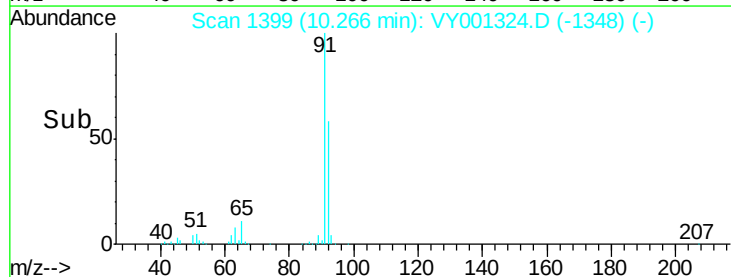
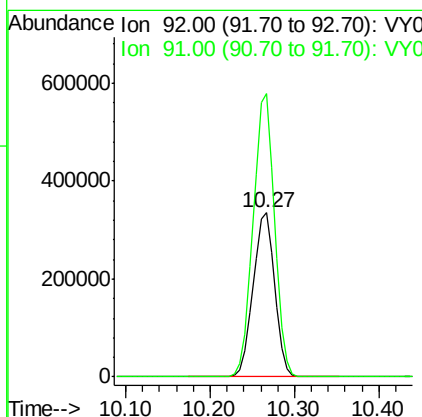
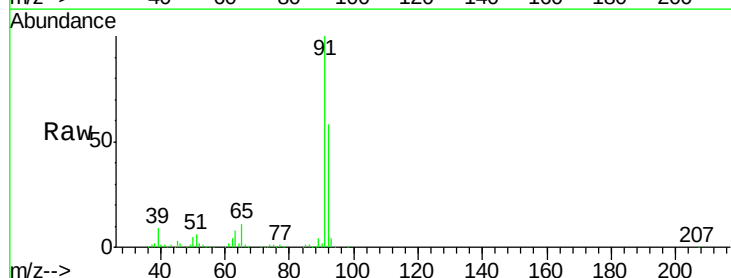
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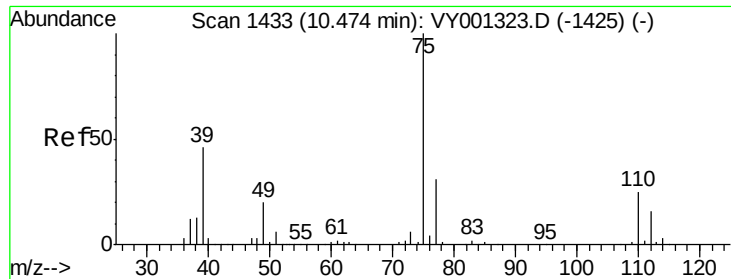
MMDadoda
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#52
Toluene
Concen: 98.386 ug/l
RT: 10.27 min Scan# 1399
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	92	Resp	578384
Ion Ratio	100	Lower	Upper
91	171.6	136.4	204.6





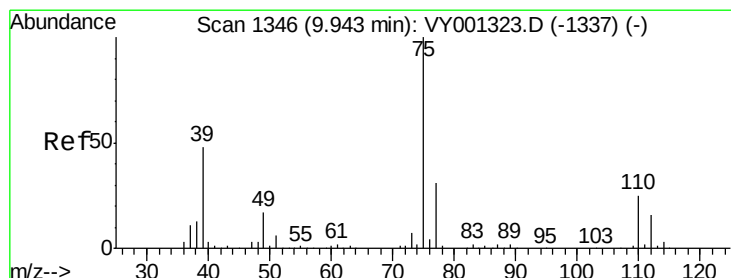
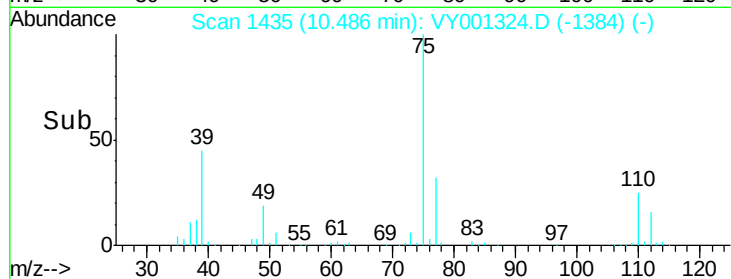
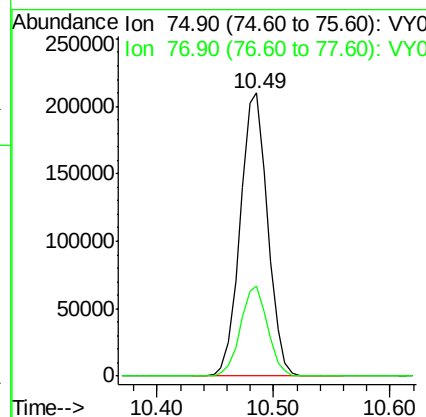
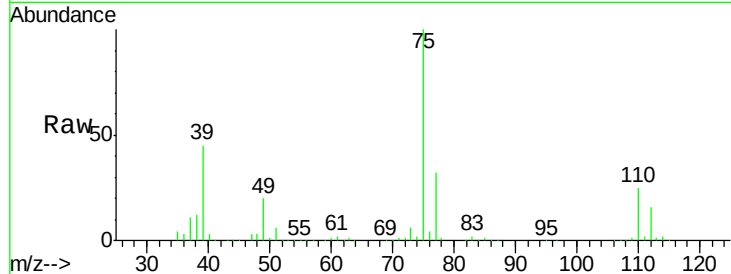
#53
 t-1,3-Dichloropropene
 Concen: 101.298 ug/l
 RT: 10.49 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 343648
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8

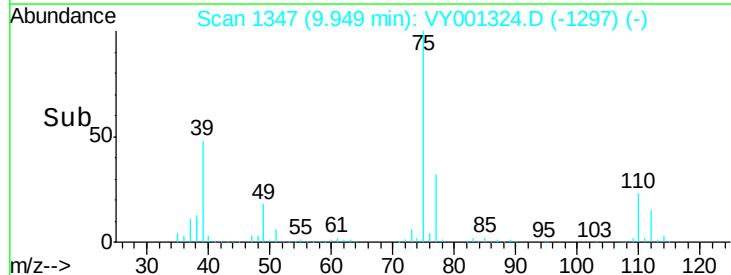
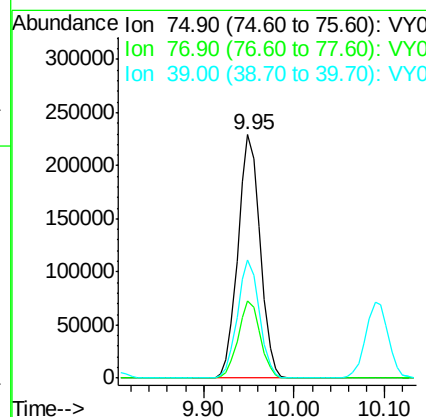
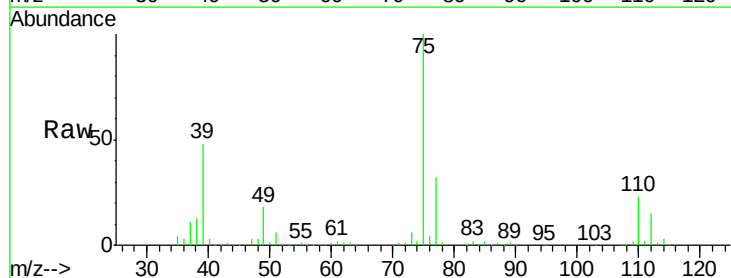
Manual Integrations
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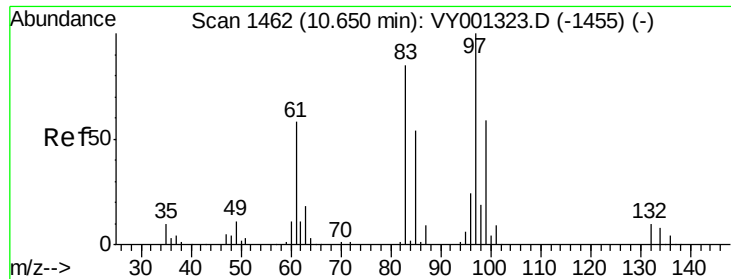
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#54
 cis-1,3-Dichloropropene
 Concen: 101.408 ug/l
 RT: 9.95 min Scan# 1347
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Tgt Ion: 75 Resp: 388329
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.0 37.6
 39 48.4 38.2 57.4





#55

1,1,2-Trichloroethane

Concen: 101.633 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

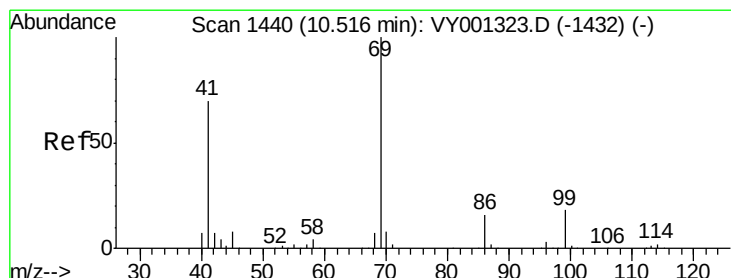
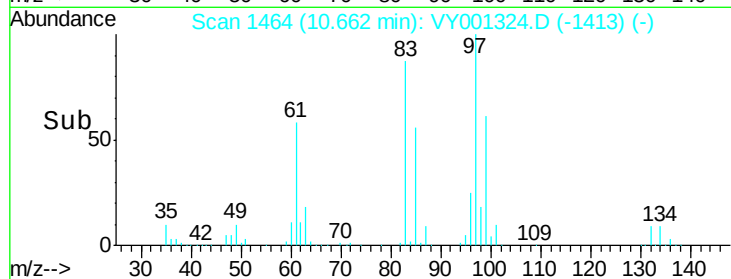
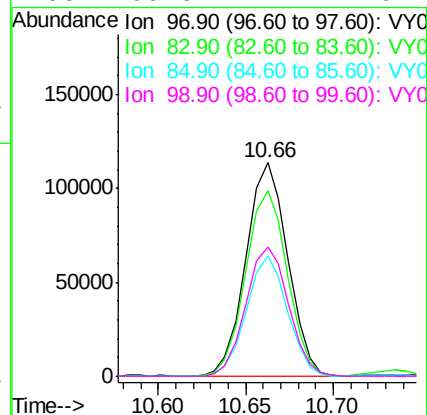
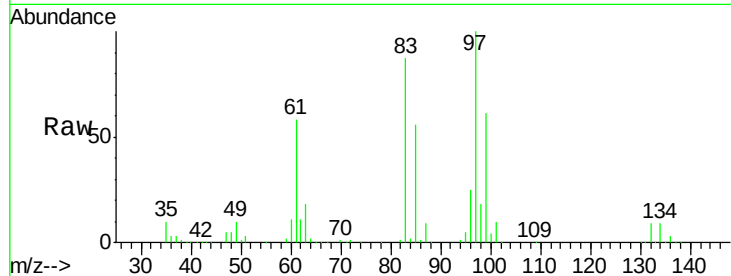
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	188367
Ion Ratio	Lower	Upper	
97	100		
83	86.6	68.0	102.0
85	56.1	43.6	65.4
99	60.6	47.1	70.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 105.687 ug/l

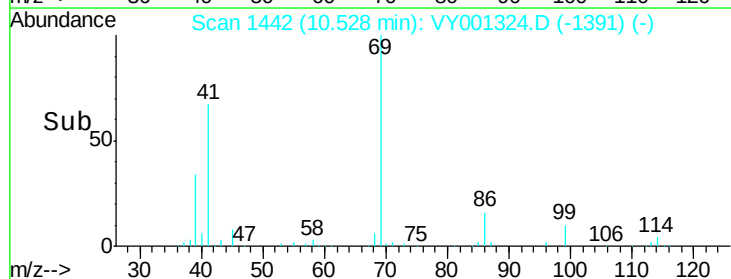
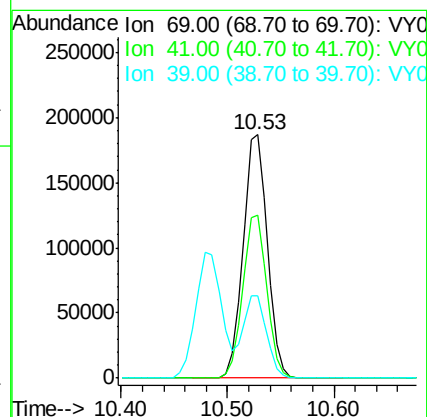
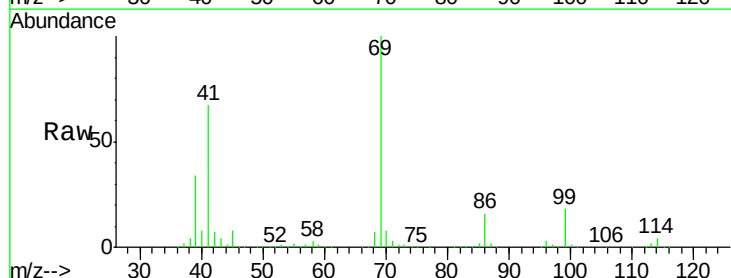
RT: 10.53 min Scan# 1442

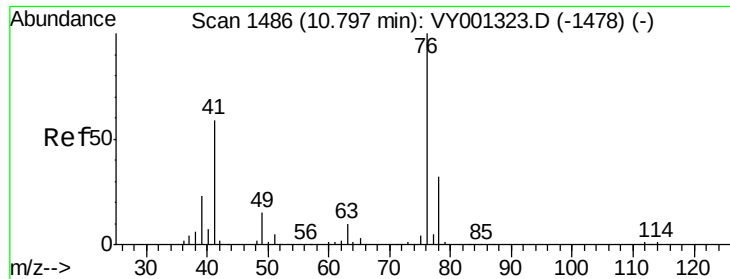
Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Tgt Ion:	69	Resp:	298822
Ion Ratio	Lower	Upper	
69	100		
41	66.2	54.1	81.1
39	33.2	26.8	40.2





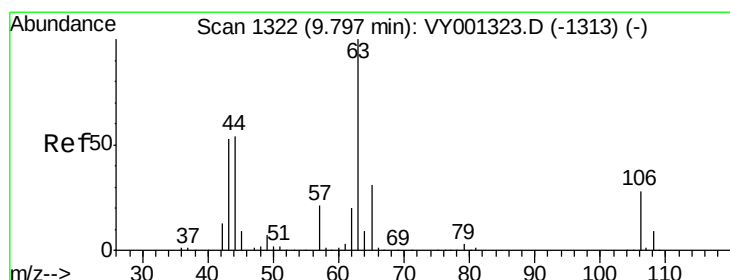
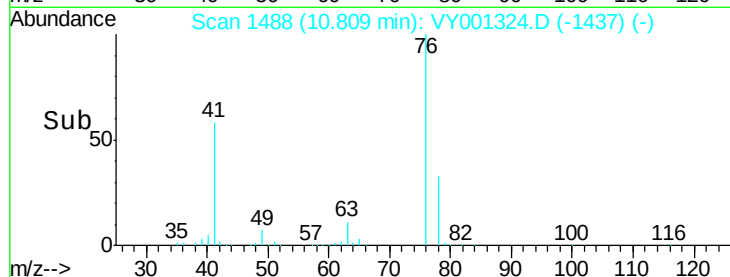
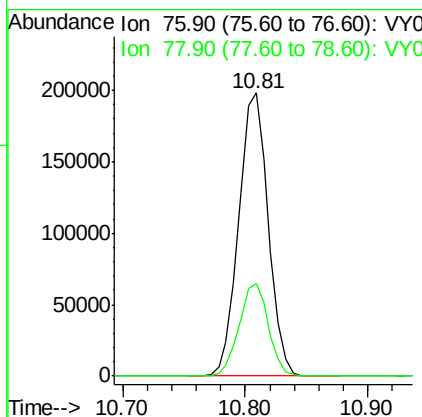
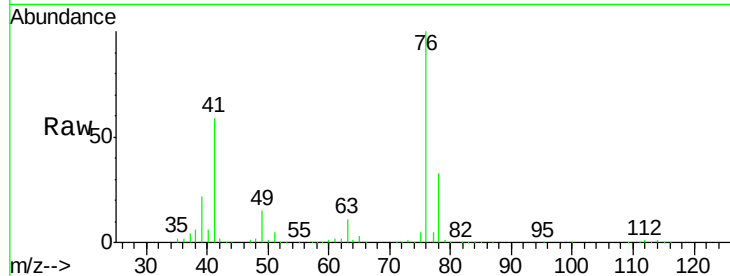
#57
 1,3-Dichloropropane
 Concen: 103.803 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 330159
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

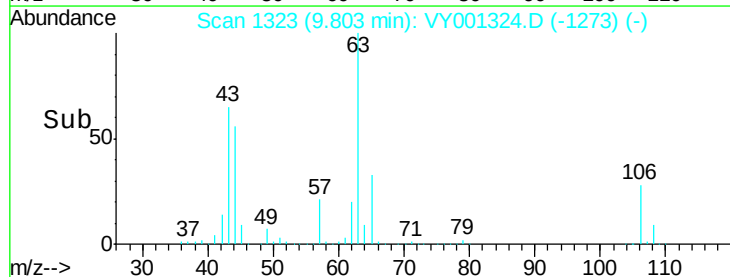
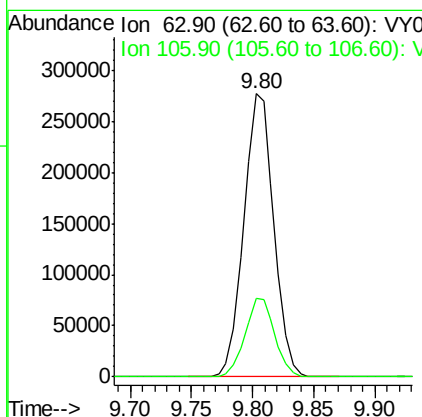
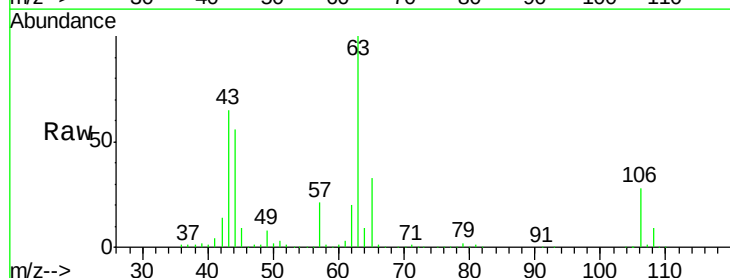
Manual Integrations
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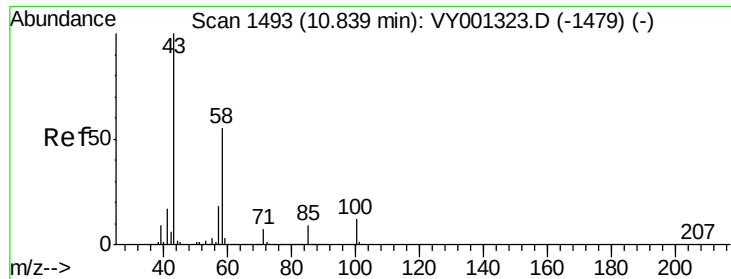
MMDadoda
 1/22/2020 10:49:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 478.793 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Tgt Ion: 63 Resp: 470541
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.5 33.7





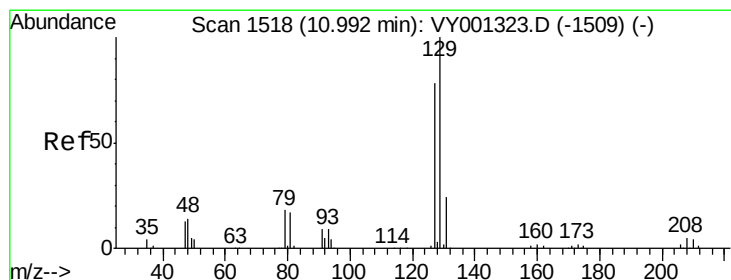
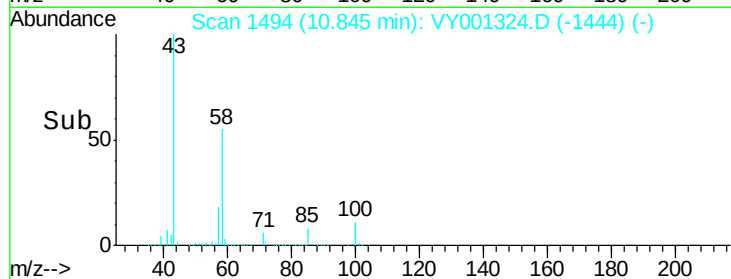
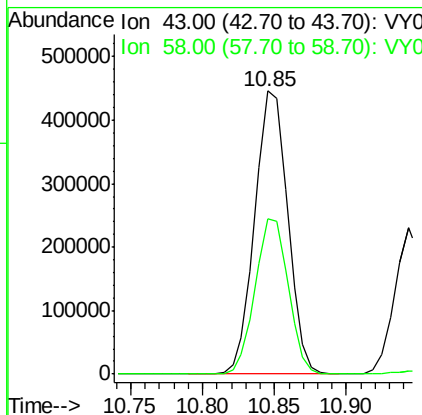
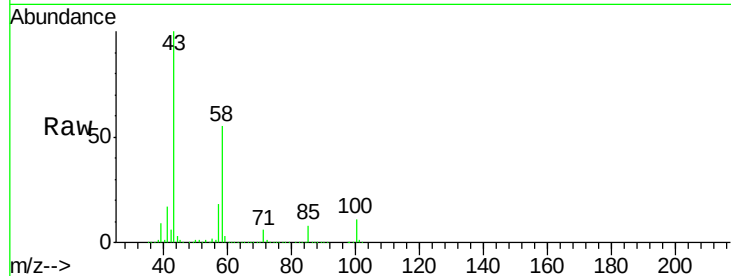
#59
2-Hexanone
Concen: 554.226 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 707814
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.8

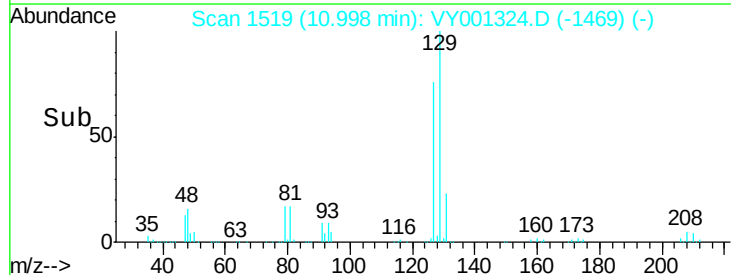
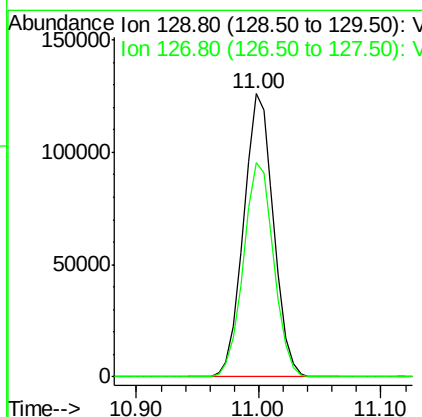
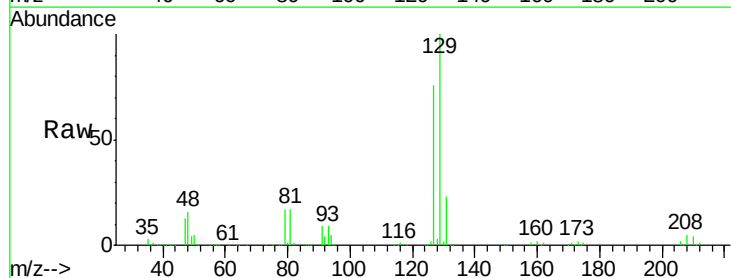
Manual Integrations
APPROVED

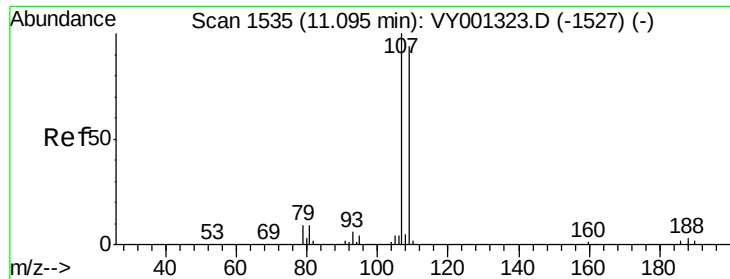
MMDadoda
1/22/2020 10:49:48 AM



#60
Dibromochloromethane
Concen: 100.724 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion: 129 Resp: 213095
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.4





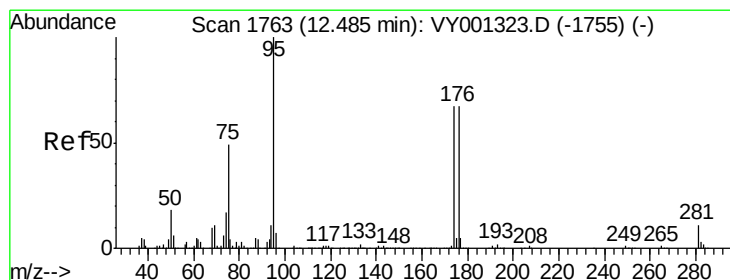
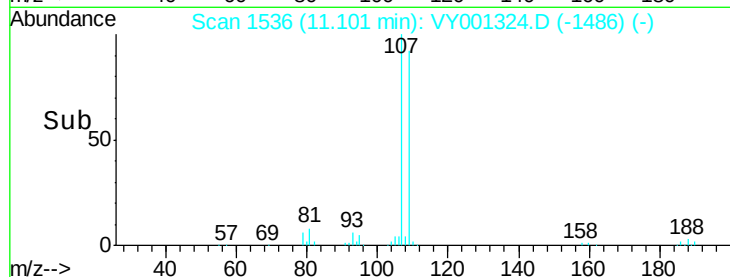
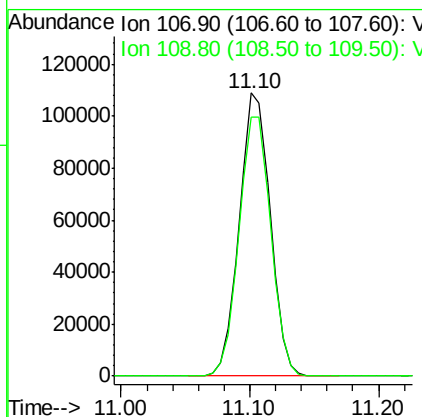
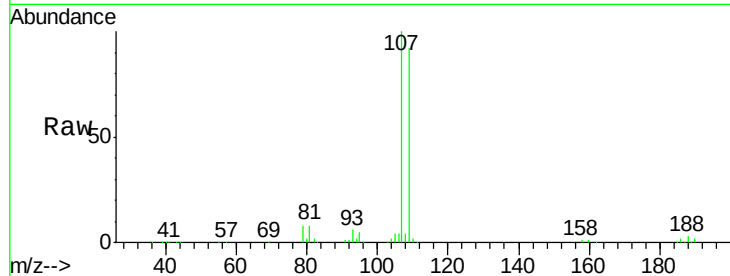
#61
1,2-Dibromoethane
Concen: 100.393 ug/l
RT: 11.10 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	180750		
109	94.2	75.0	112.6	

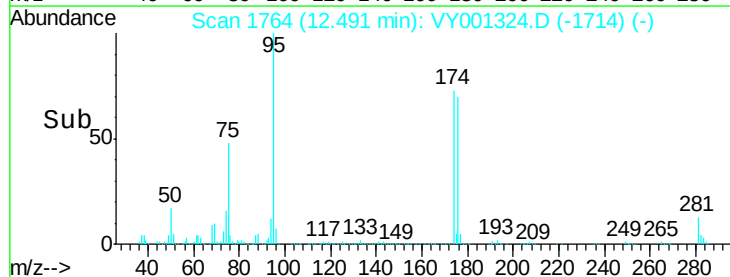
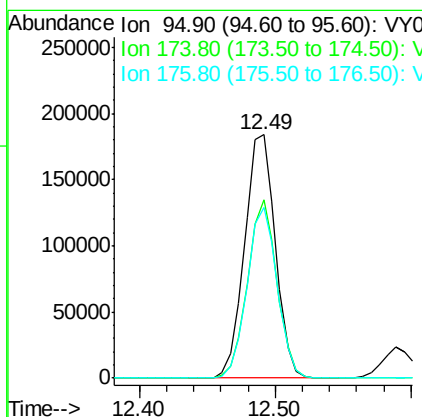
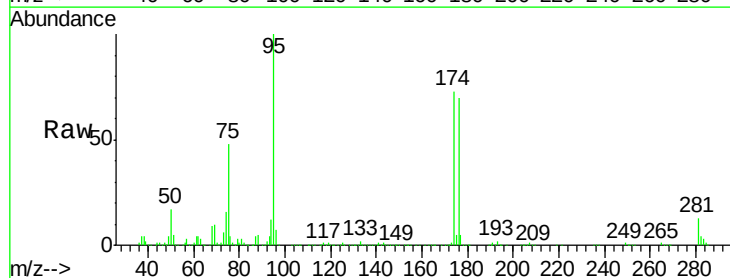
Manual Integrations
APPROVED

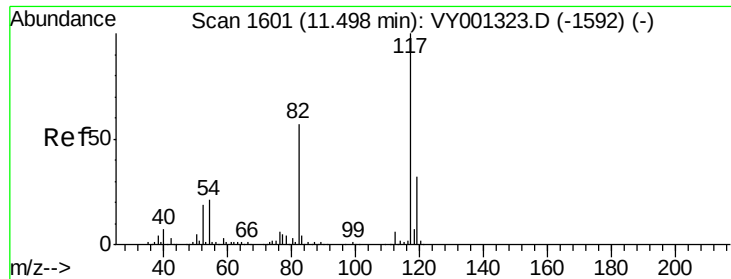
MMDadoda
1/22/2020 10:49:48 AM



#62
4-Bromofluorobenzene
Concen: 92.169 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	291687		
174	69.9	0.0	142.0	
176	68.4	0.0	138.6	





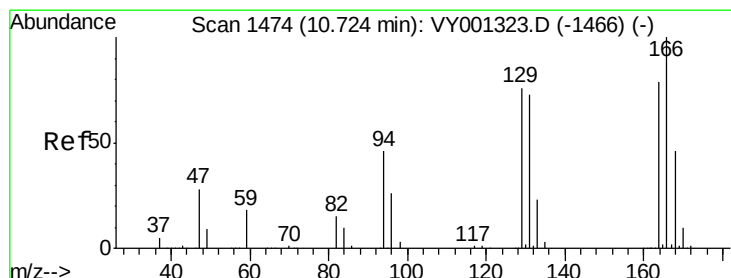
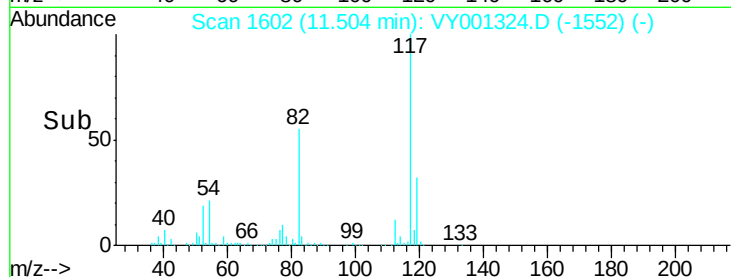
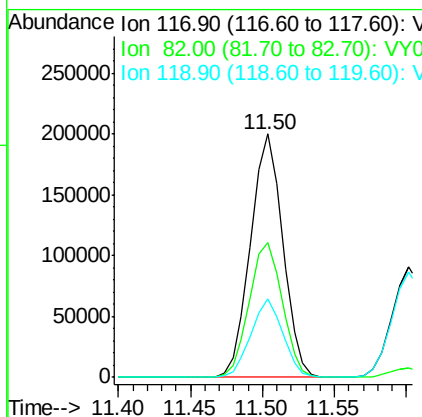
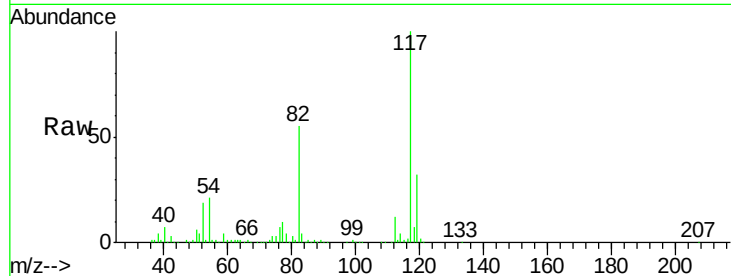
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.5	68.3
119	32.0	25.8	38.6

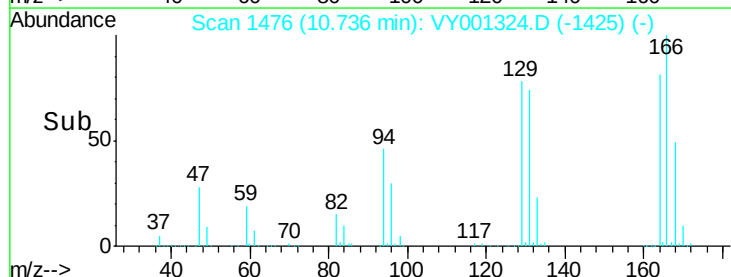
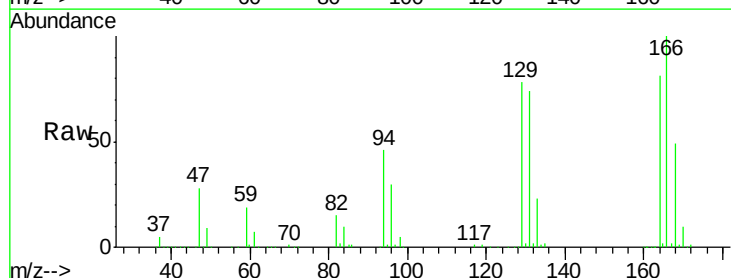
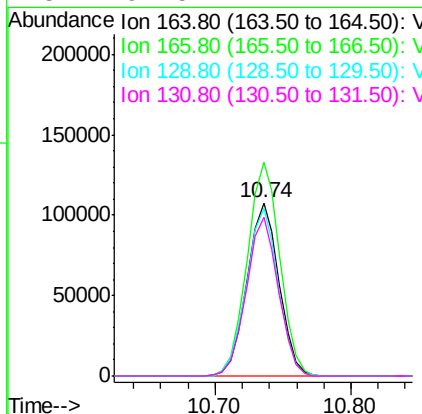
Manual Integrations
APPROVED

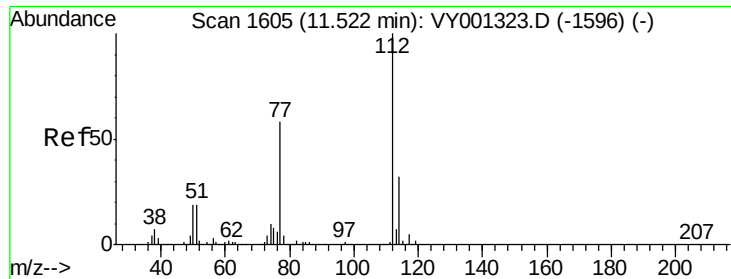
MMDadoda
1/22/2020 10:49:48 AM



#64
Tetrachloroethene
Concen: 89.606 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	101.8	152.8
129	96.8	77.1	115.7
131	91.5	74.2	111.2





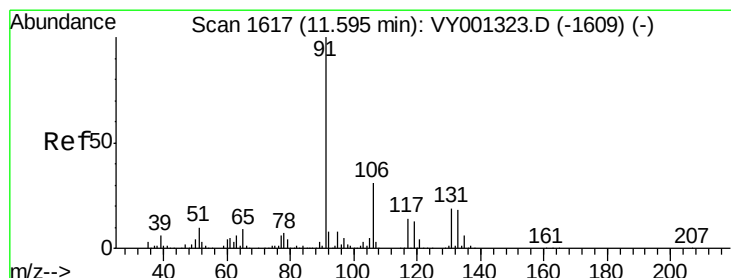
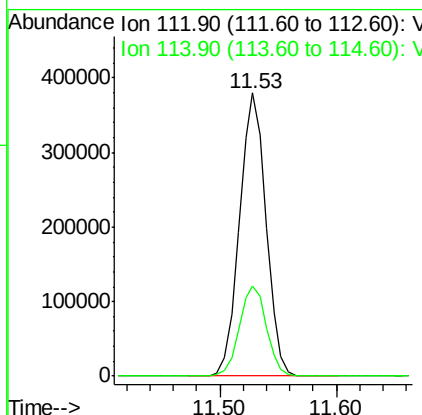
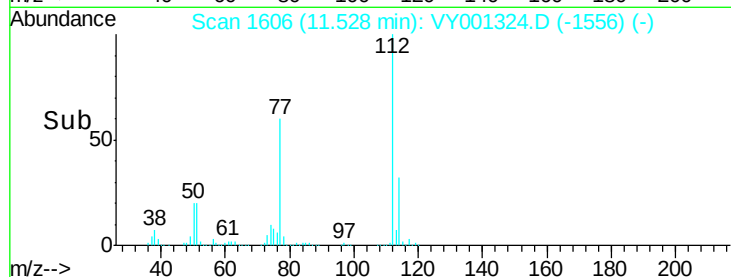
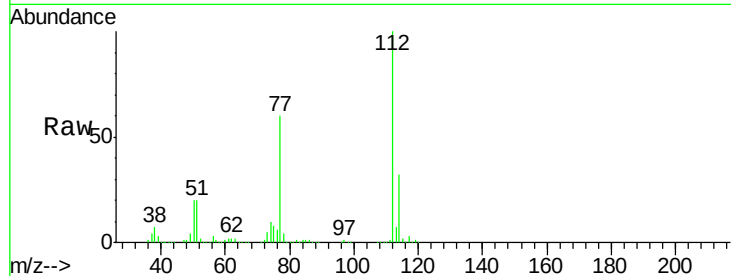
#65
Chlorobenzene
Concen: 96.839 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 602821
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

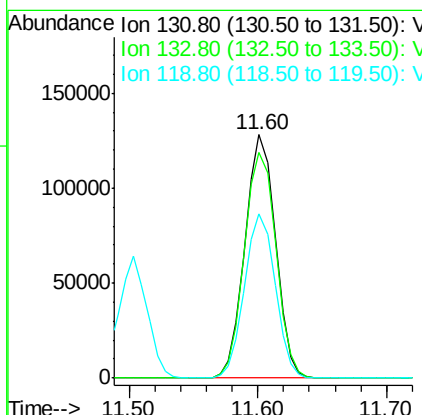
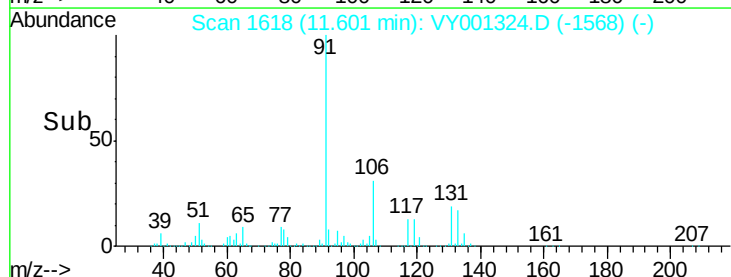
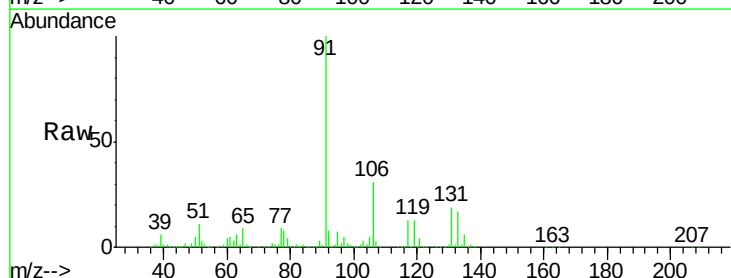
Manual Integrations
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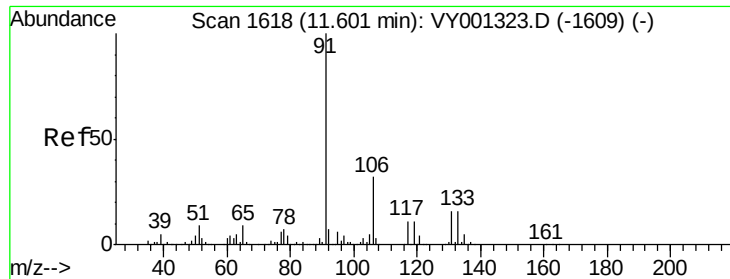
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 97.933 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion:131 Resp: 209938
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.3
119 68.0 34.1 102.2





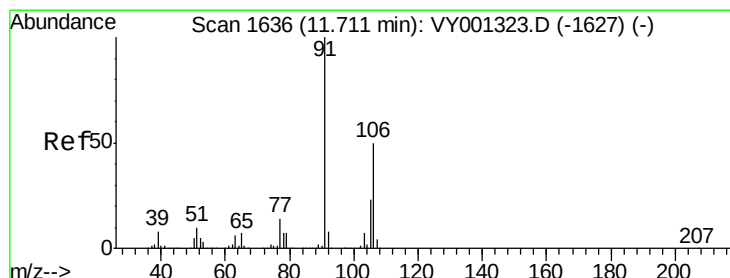
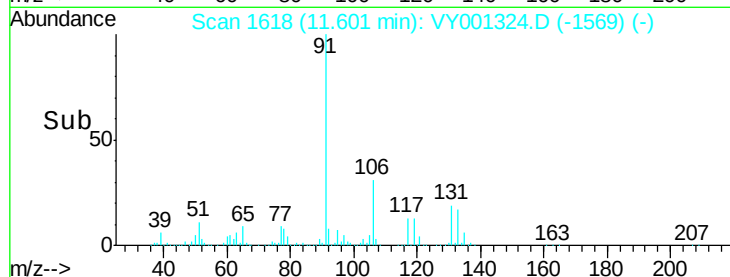
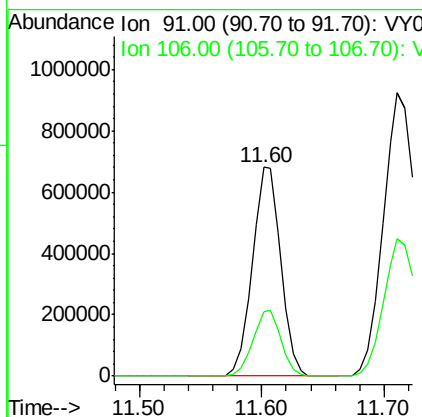
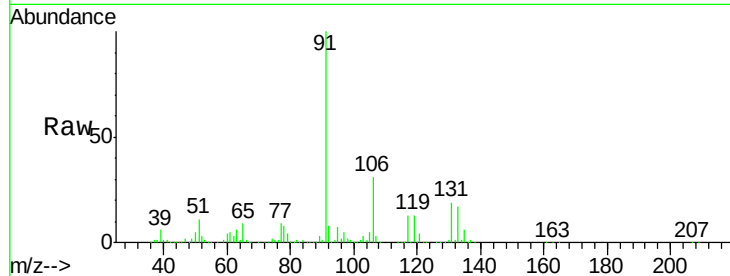
#67
Ethyl Benzene
Concen: 96.504 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1100057
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

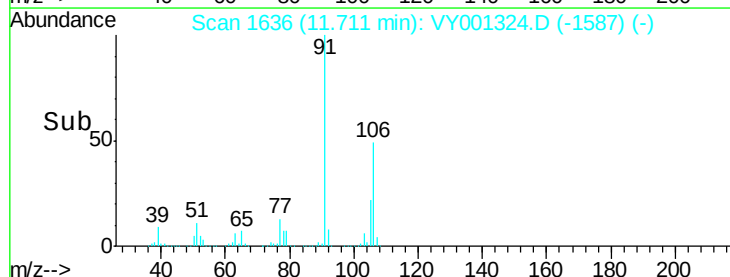
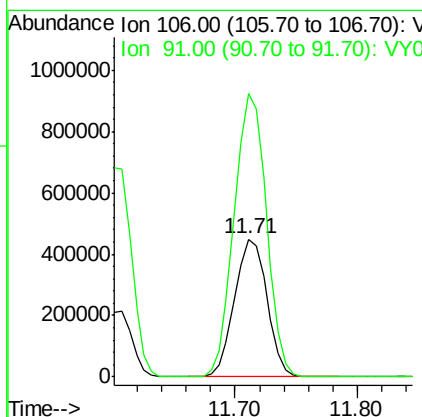
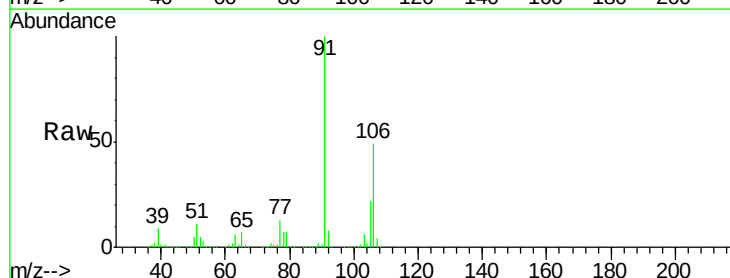
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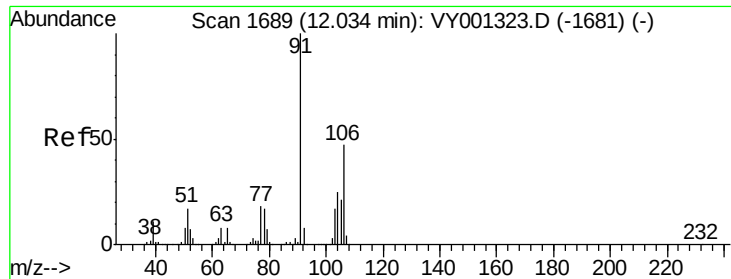
MMDadoda
1/22/2020 10:49:48 AM



#68
m/p-Xylenes
Concen: 193.008 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion: 106 Resp: 827445
Ion Ratio Lower Upper
106 100
91 204.5 162.8 244.2





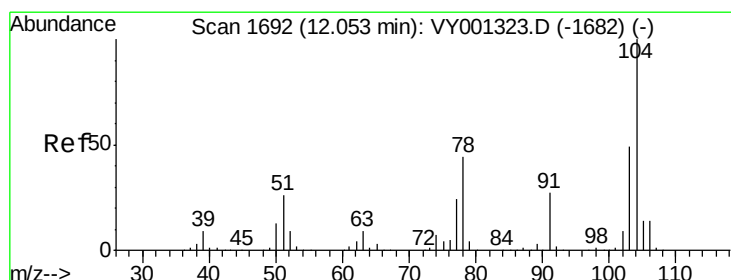
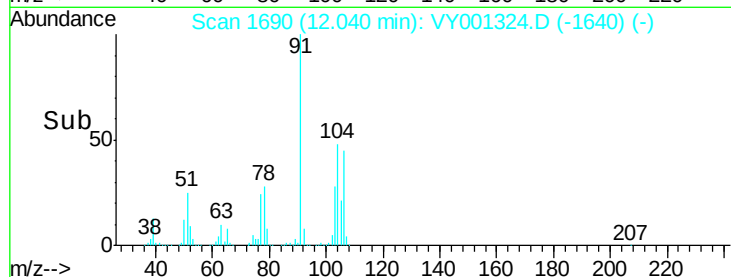
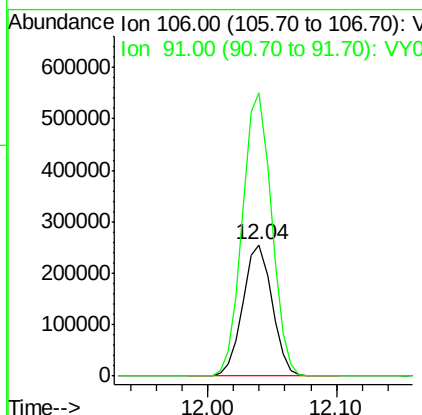
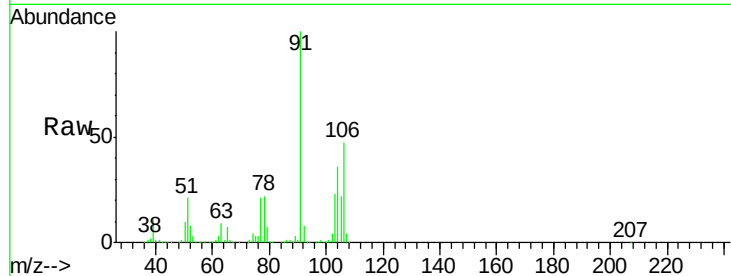
#69
o-Xylene
Concen: 97.283 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 401037
Ion Ratio Lower Upper
106 100
91 214.4 106.3 319.0

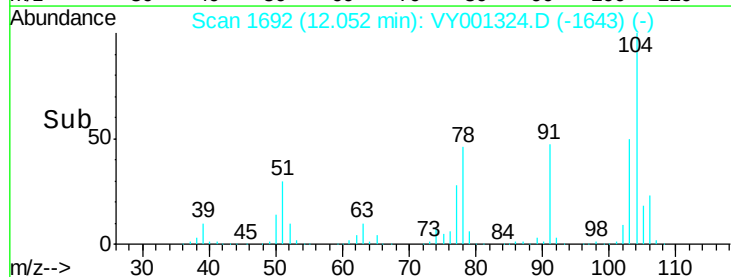
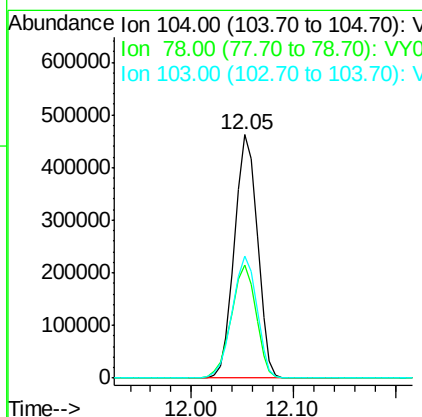
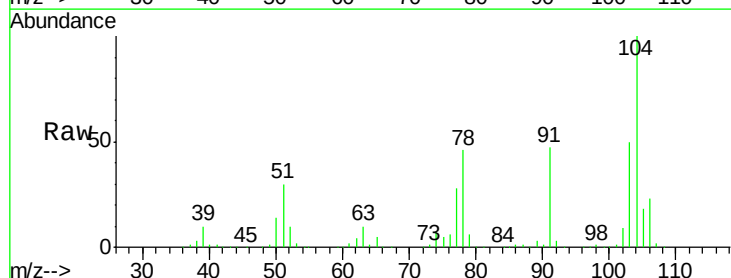
Manual Integrations
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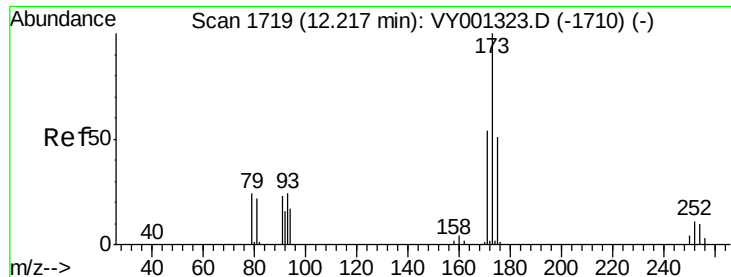
MMDadoda
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#70
Styrene
Concen: 99.667 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion:104 Resp: 720062
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.8
103 53.6 43.2 64.8





#71

Bromoform

Concen: 100.260 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 131570

Ion Ratio Lower Upper

173 100

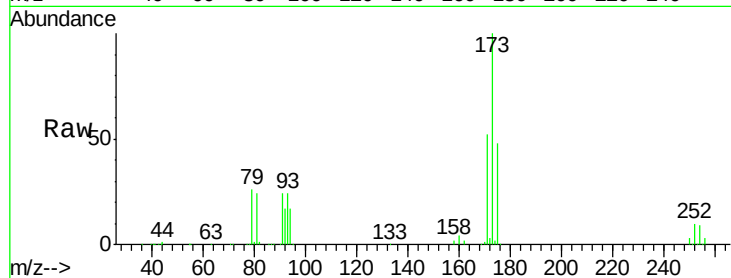
175 47.7 24.3 72.9

254 0.1 0.0 0.0#

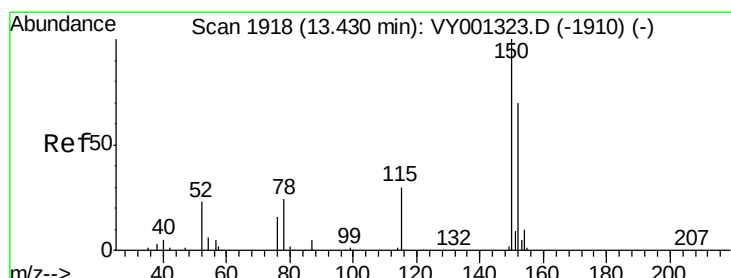
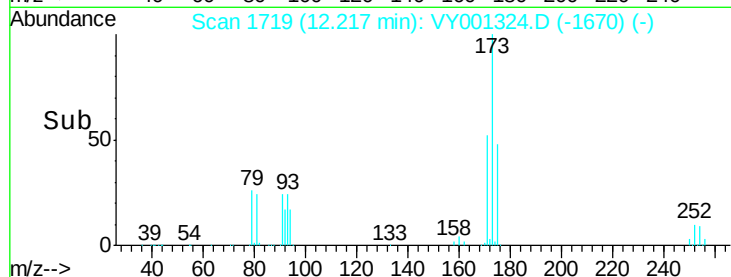
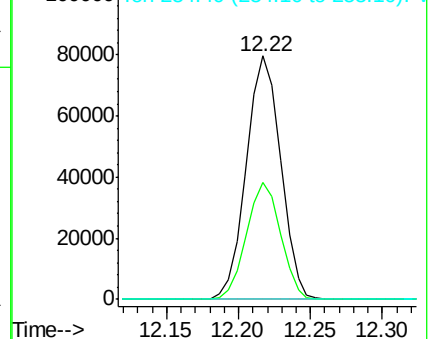
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

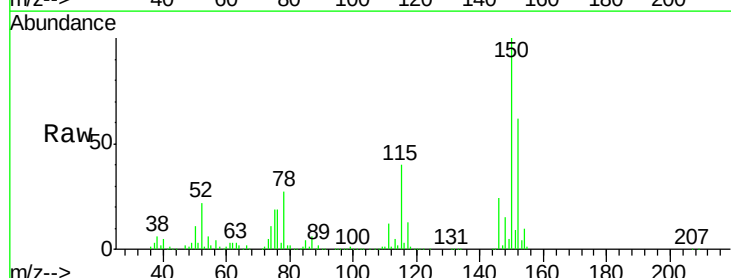
Tgt Ion:152 Resp: 145260

Ion Ratio Lower Upper

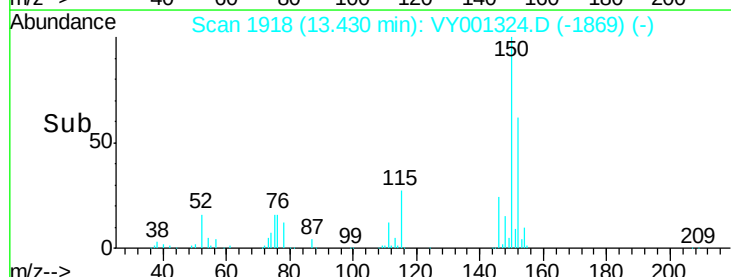
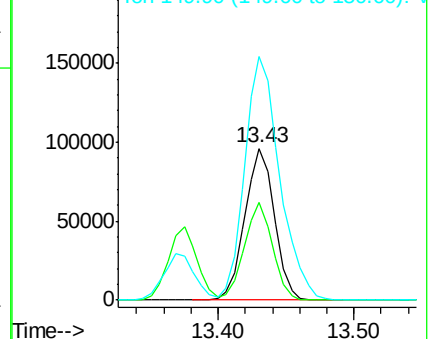
152 100

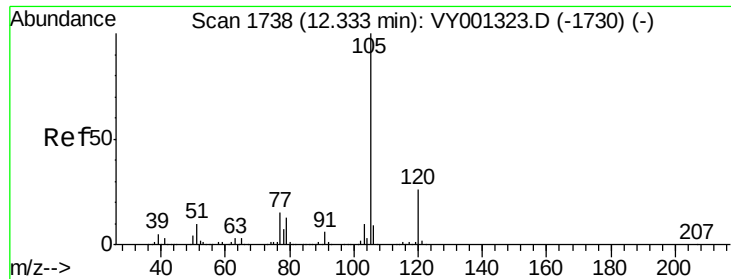
115 61.7 30.9 92.8

150 190.5 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





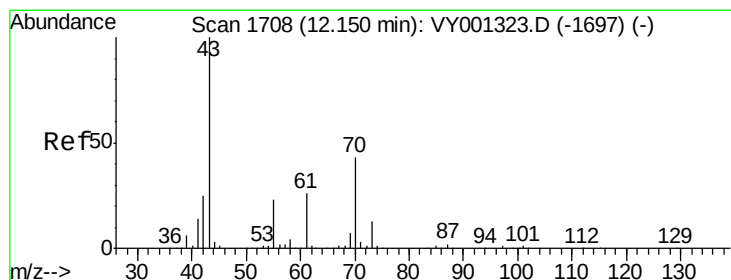
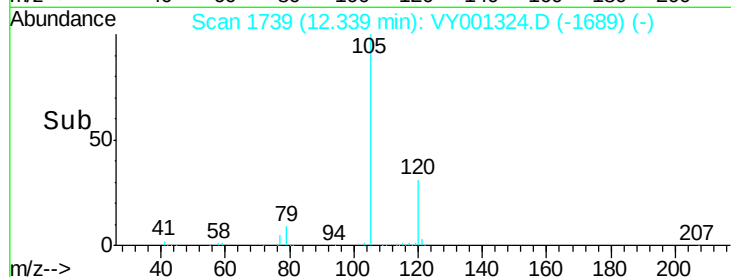
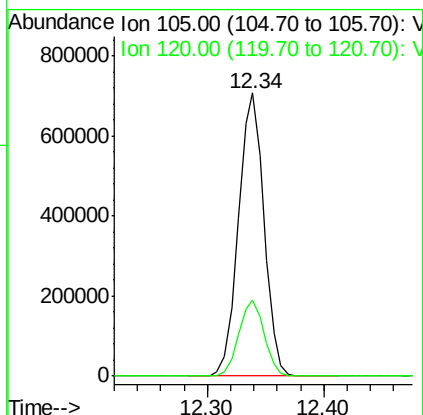
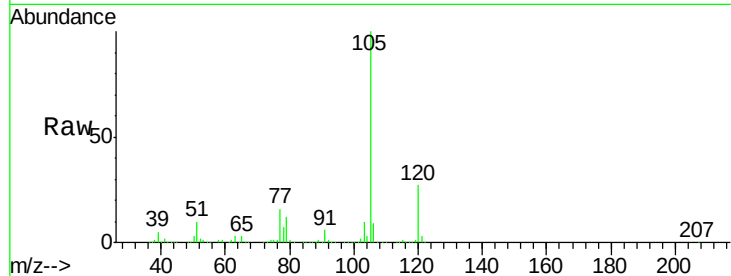
#73
Isopropylbenzene
Concen: 98.104 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1078037
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4

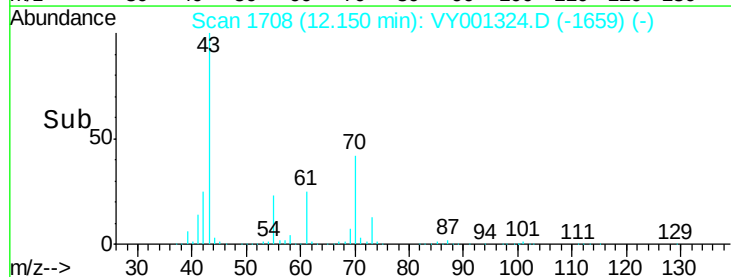
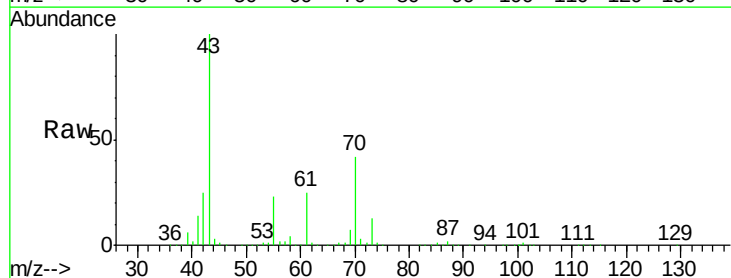
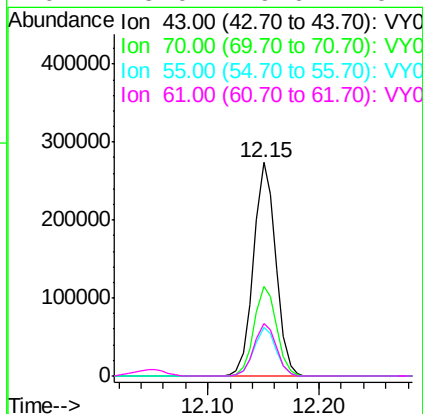
Manual Integrations
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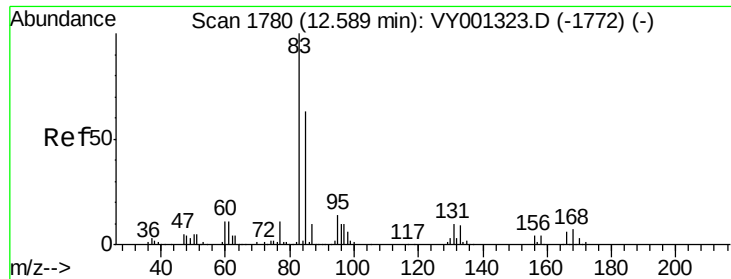
MMDadoda
1/22/2020 10:49:48 AM



#74
N-ethyl acetate
Concen: 110.053 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion: 43 Resp: 380824
Ion Ratio Lower Upper
43 100
70 42.7 33.5 50.3
55 22.9 18.2 27.2
61 25.0 19.6 29.4





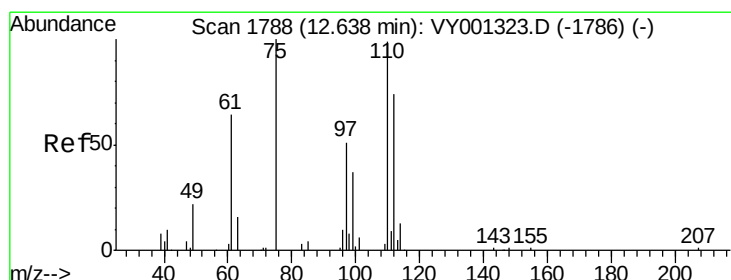
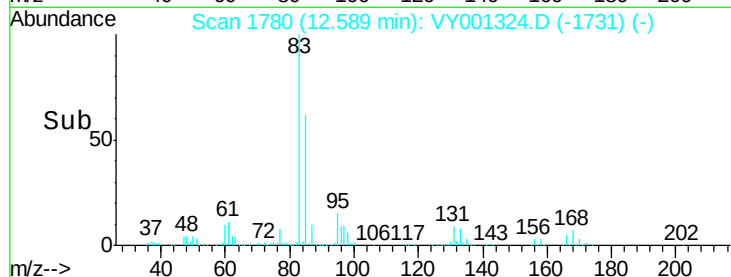
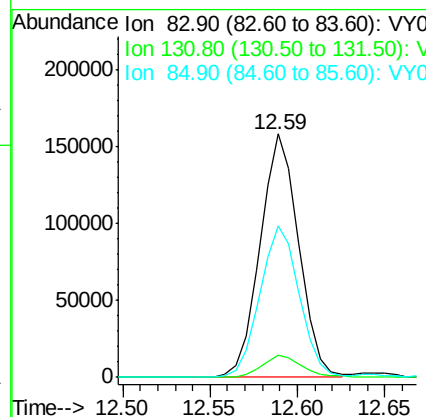
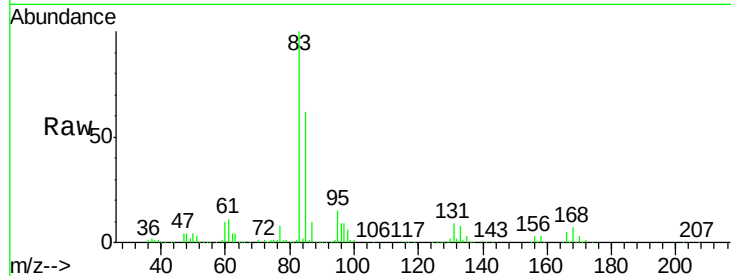
#75
 1,1,2,2-Tetrachloroethane
 Concen: 104.726 ug/l
 RT: 12.59 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.5	4.9	14.6	
85	63.5	31.4	94.3	

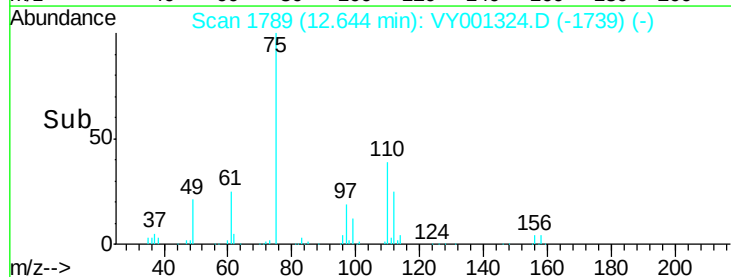
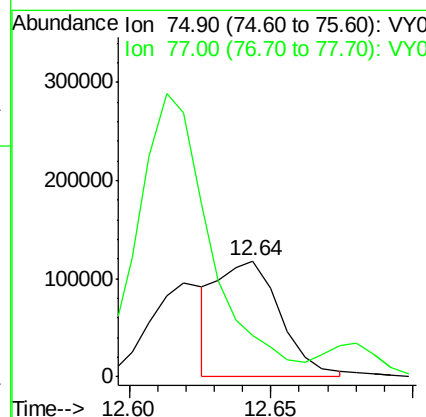
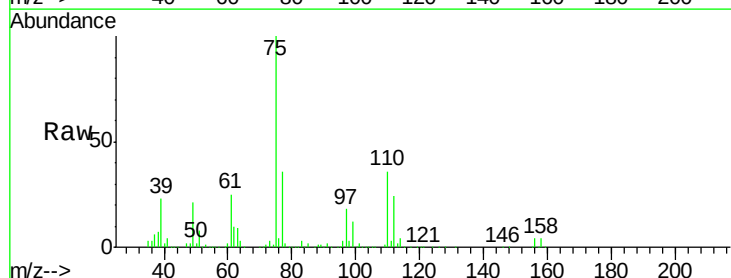
Manual Integrations
 APPROVED

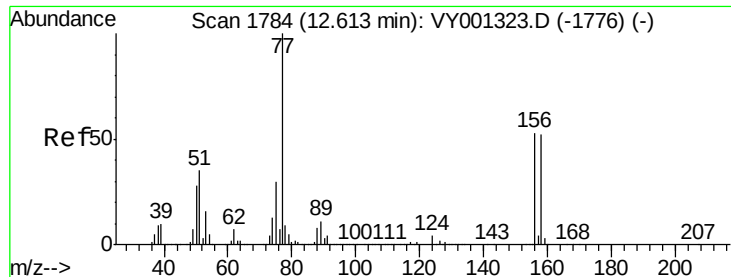
MMDadoda
 1/22/2020 10:49:48 AM



#76
 1,2,3-Trichloropropane
 Concen: 113.834 ug/l m
 RT: 12.64 min Scan# 1789
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

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





#77

Bromobenzene

Concen: 97.647 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

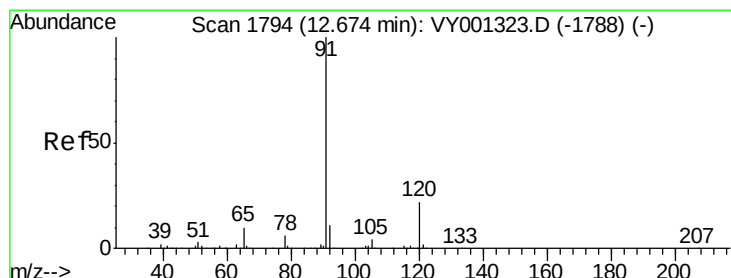
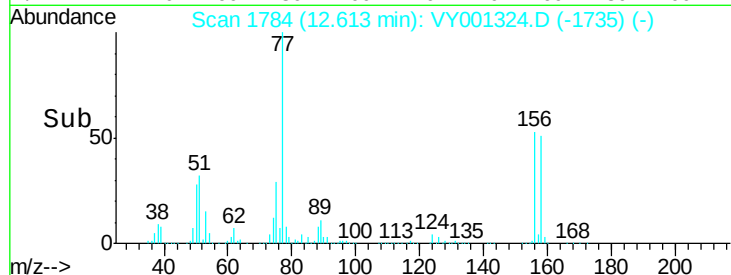
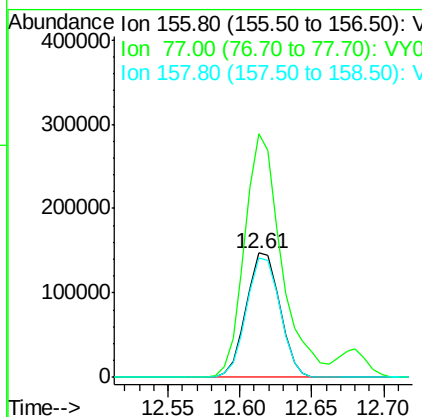
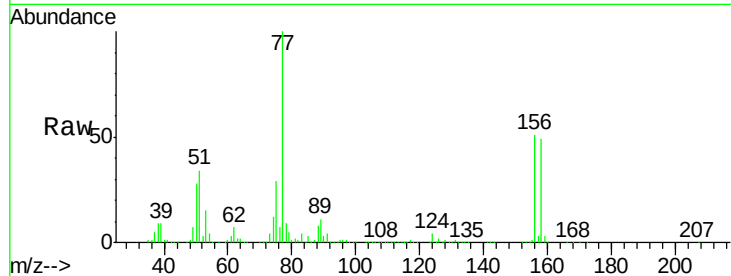
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	237205
Ion Ratio	Lower	Upper	
156	100		
77	216.8	104.7	313.9
158	96.6	48.6	145.8

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#78

n-propylbenzene

Concen: 97.601 ug/l

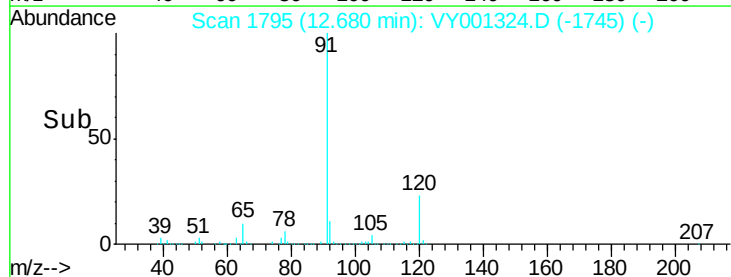
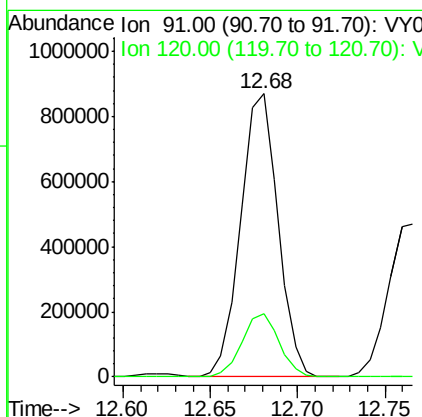
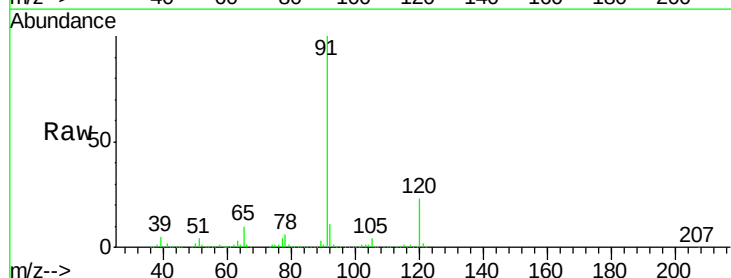
RT: 12.68 min Scan# 1795

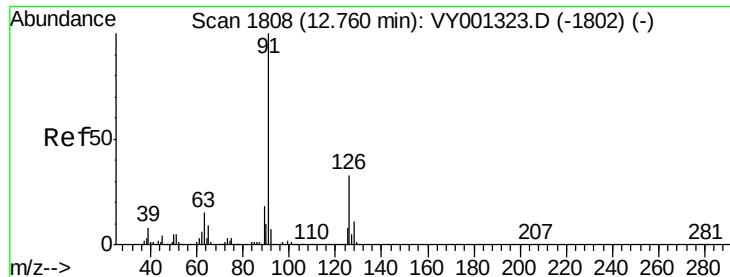
Delta R.T. 0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Tgt Ion:	91	Resp:	1291139
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.3	33.8





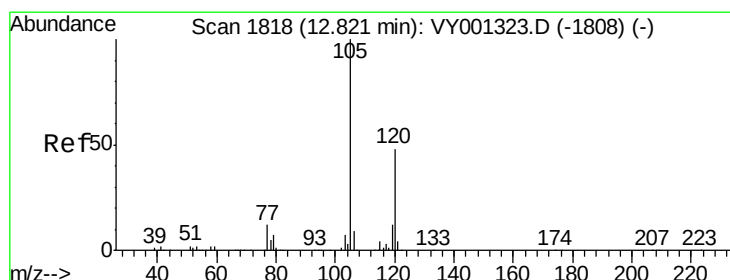
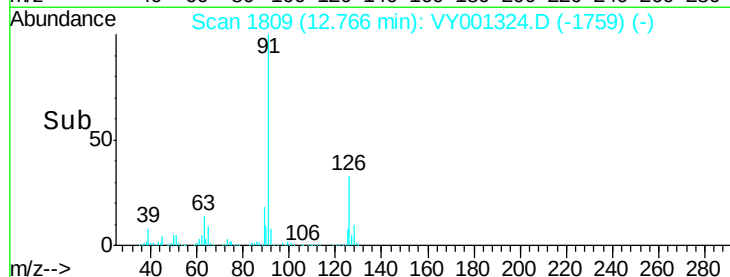
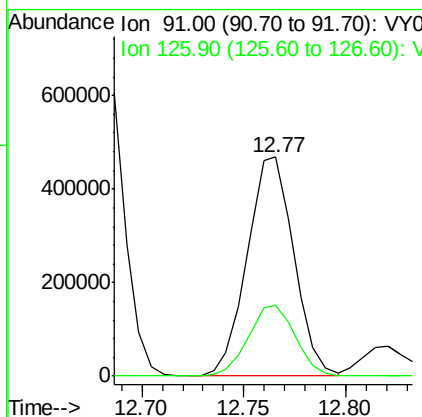
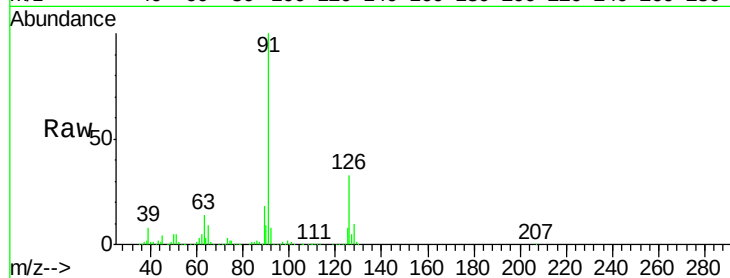
#79
 2-Chlorotoluene
 Concen: 98.356 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 745766
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.6 49.7

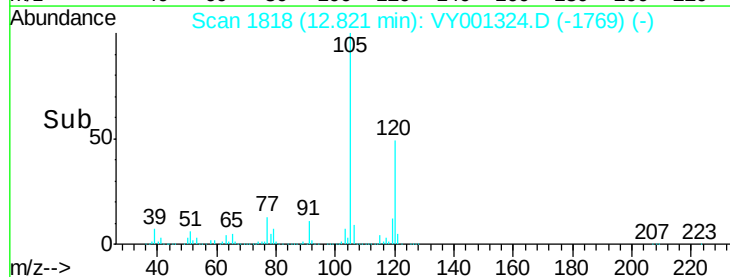
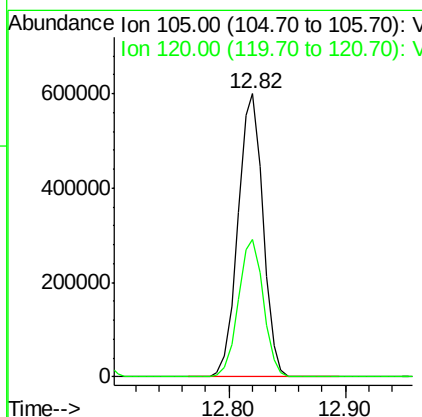
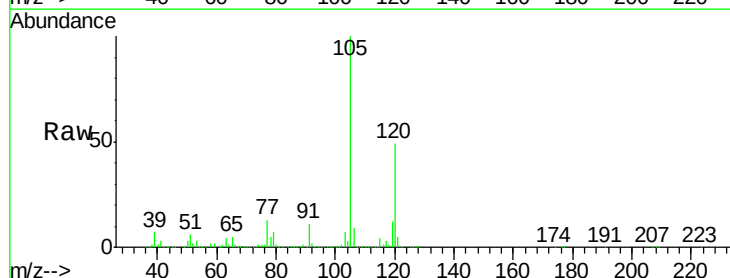
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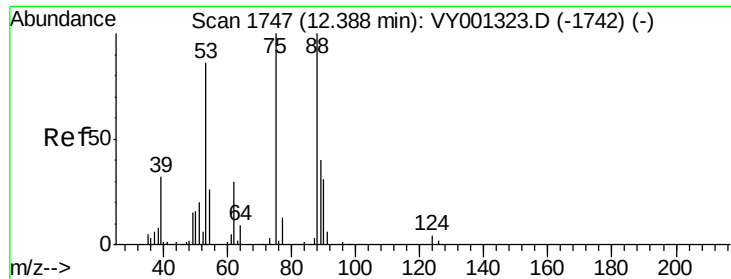
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 97.902 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Tgt Ion: 105 Resp: 896031
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 102.671 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

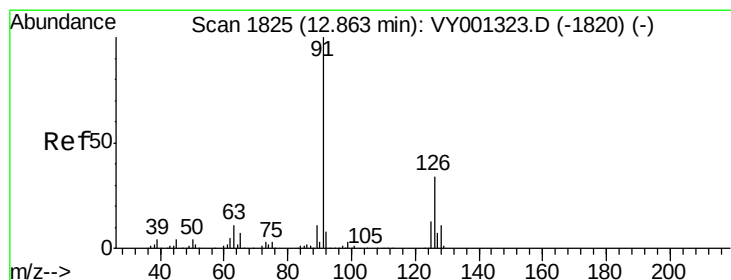
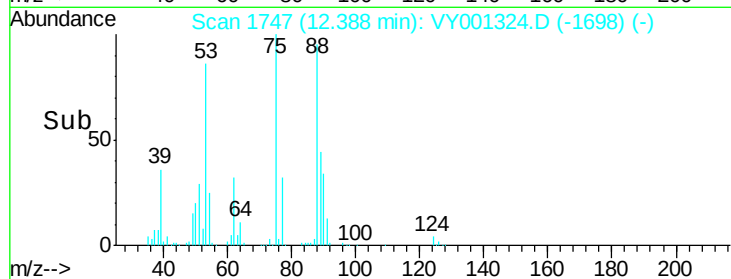
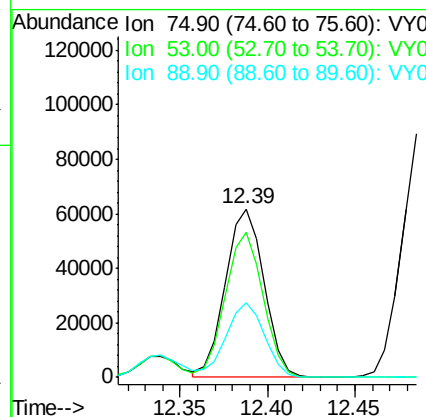
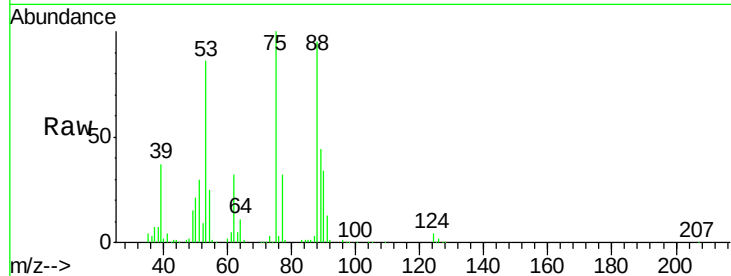
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	94302
Ion	Ratio	Lower	Upper
75	100		
53	85.2	69.9	104.9
89	44.6	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 99.055 ug/l

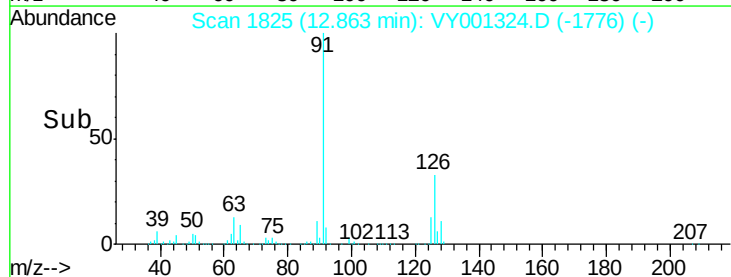
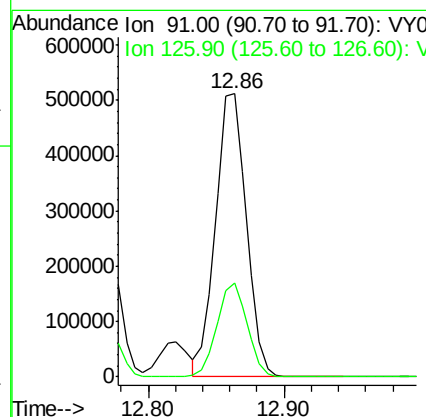
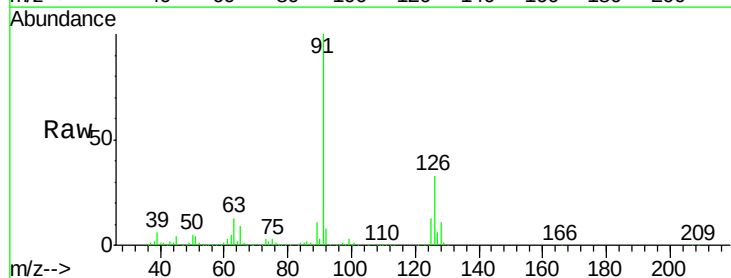
RT: 12.86 min Scan# 1825

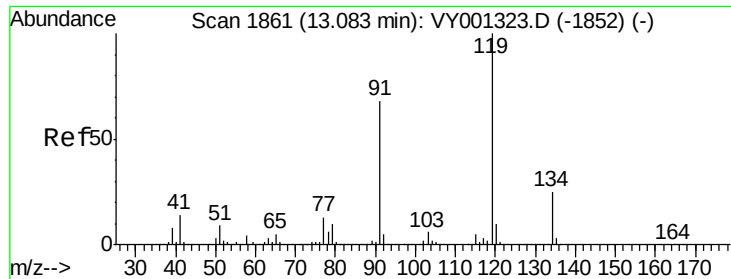
Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Tgt Ion:	91	Resp:	801235
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4





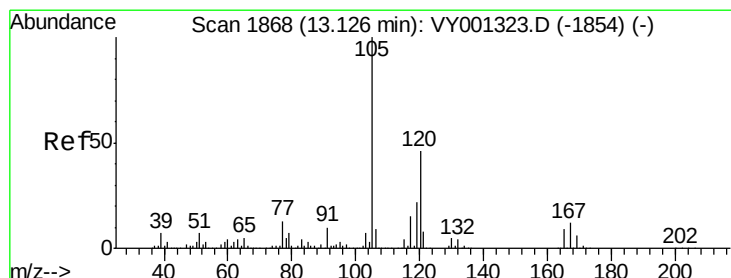
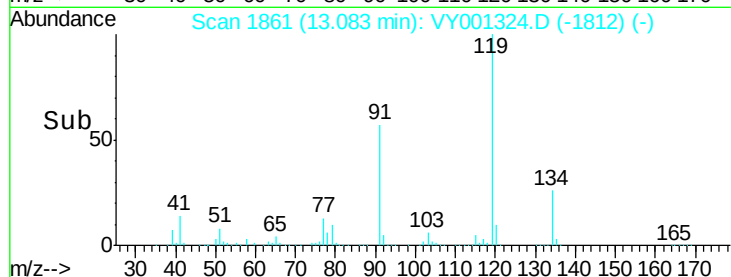
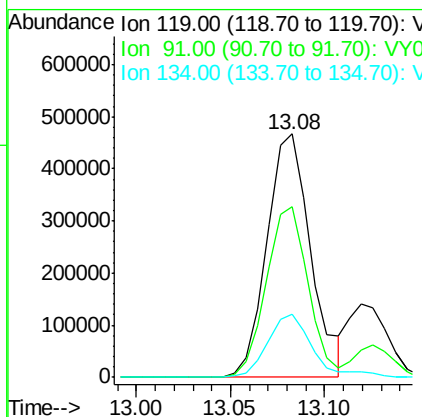
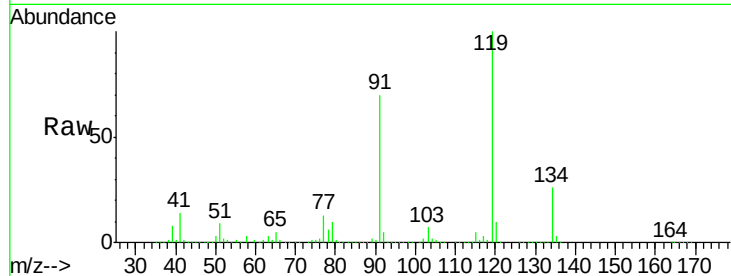
#83
tert-Butylbenzene
Concen: 98.127 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.0	99.0
134	26.3	13.3	39.9

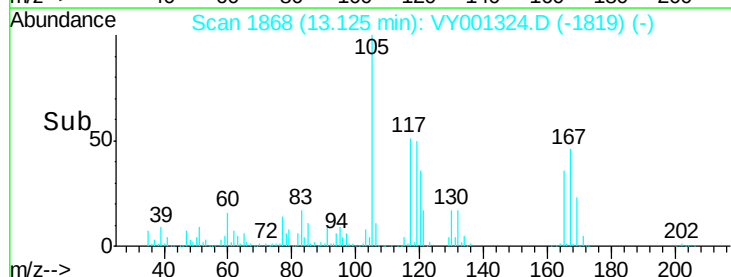
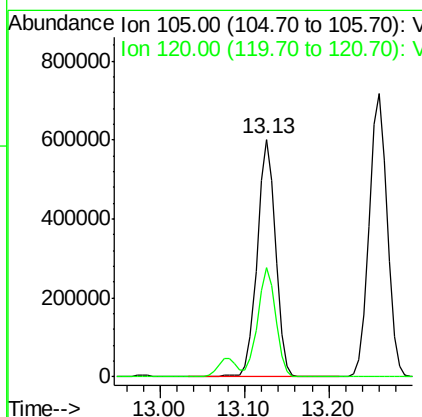
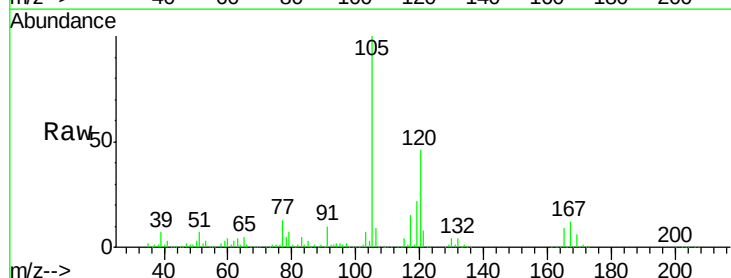
Manual Integrations
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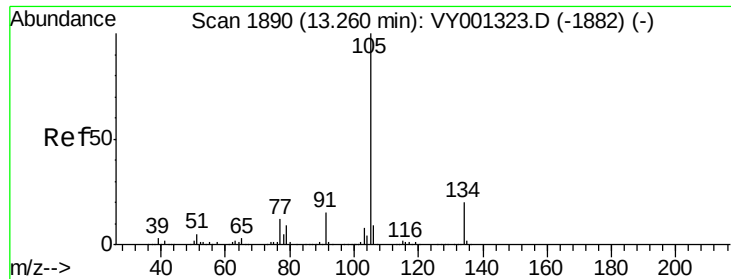
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 98.234 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 96.337 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1069108

Ion Ratio Lower Upper

105 100

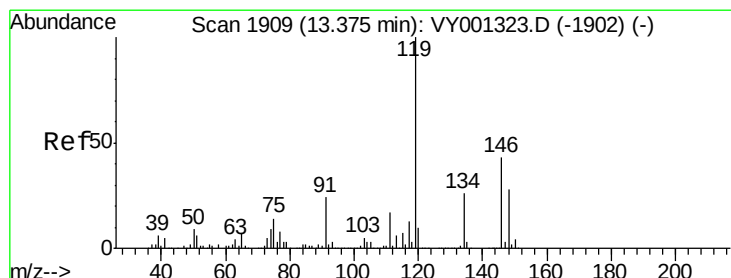
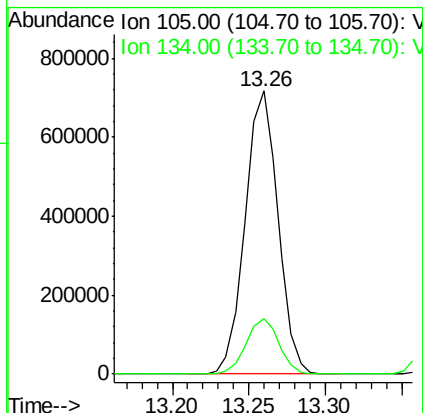
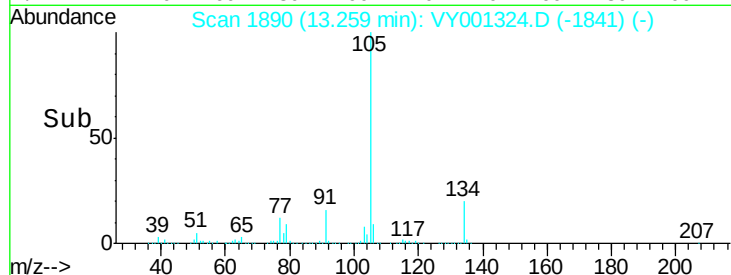
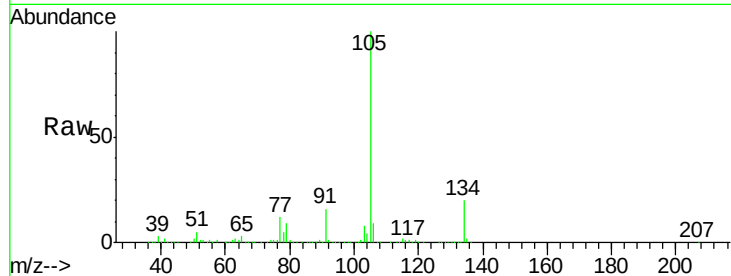
134 19.6 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 96.521 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

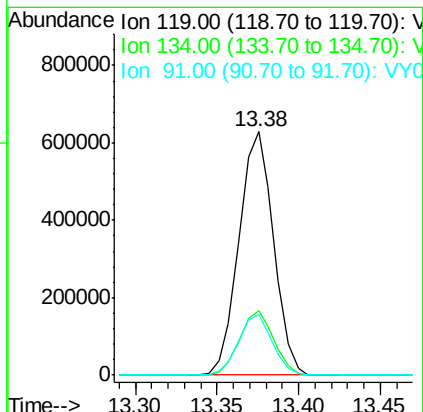
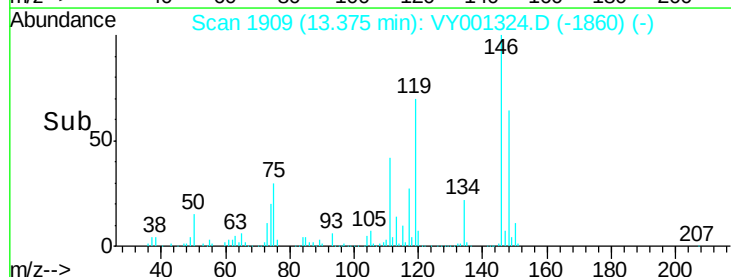
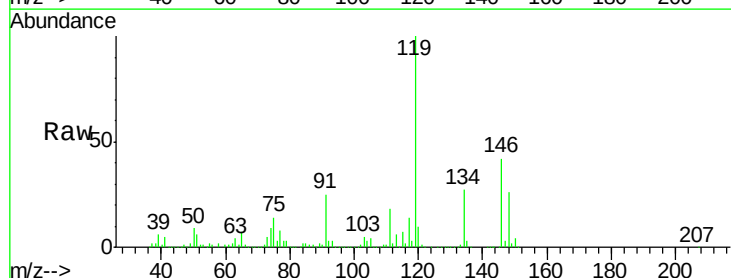
Tgt Ion:119 Resp: 928793

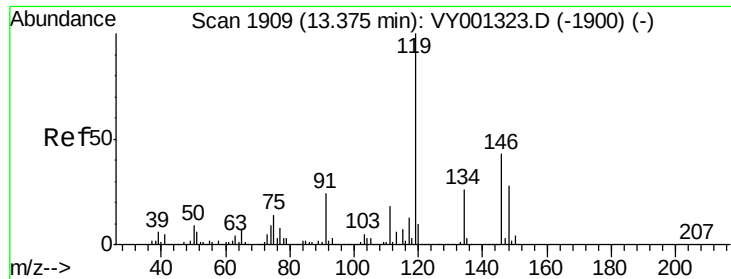
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 24.5 12.2 36.6





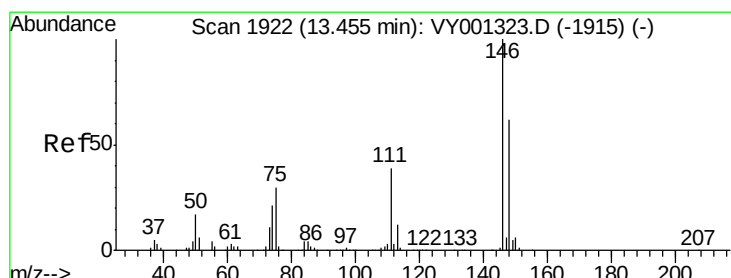
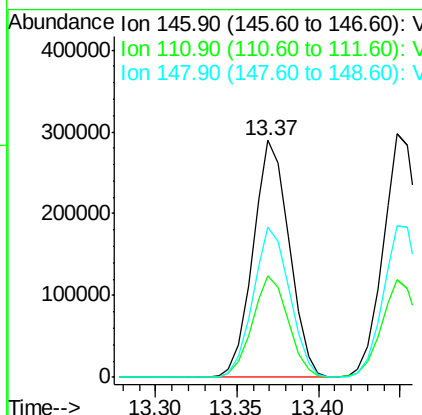
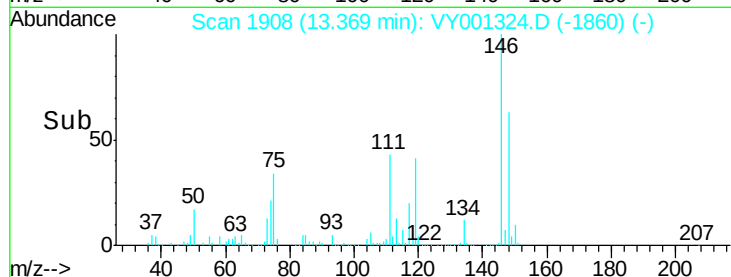
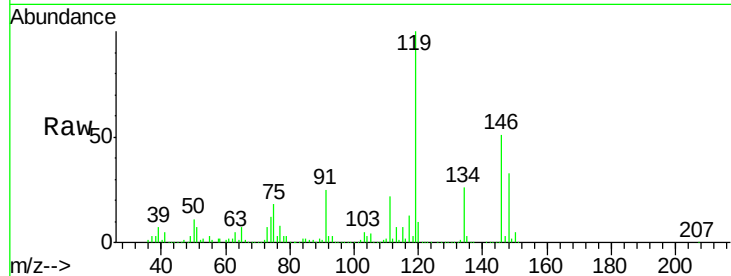
#87
1,3-Dichlorobenzene
Concen: 96.494 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	445092		
111	42.6	20.6	61.8	
148	63.8	31.6	95.0	

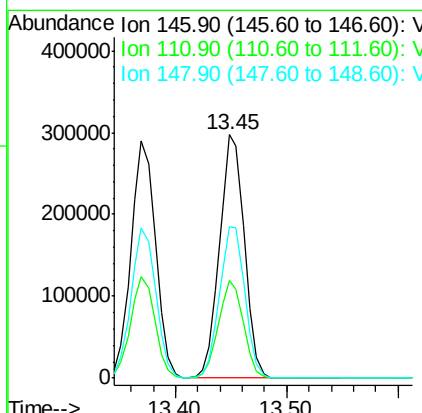
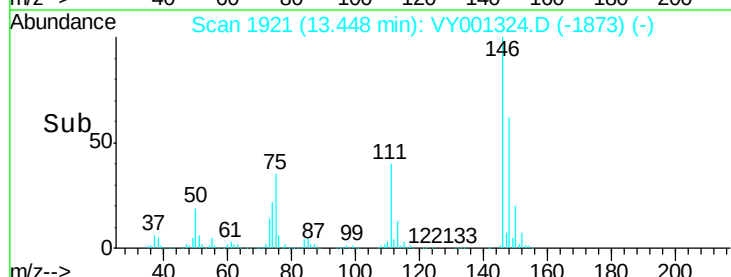
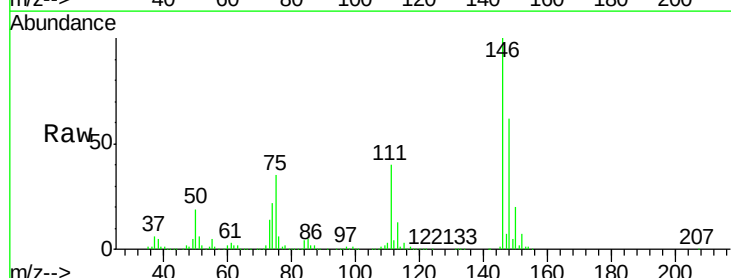
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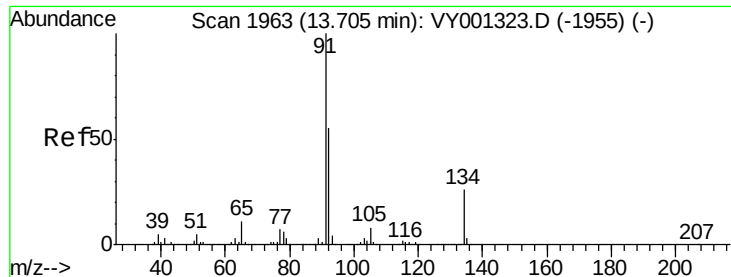
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#88
1,4-Dichlorobenzene
Concen: 96.967 ug/l
RT: 13.45 min Scan# 1921
Delta R.T. -0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	458713		
111	40.0	20.5	61.5	
148	63.5	31.6	95.0	





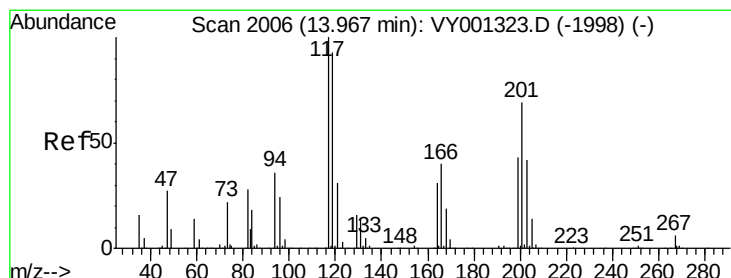
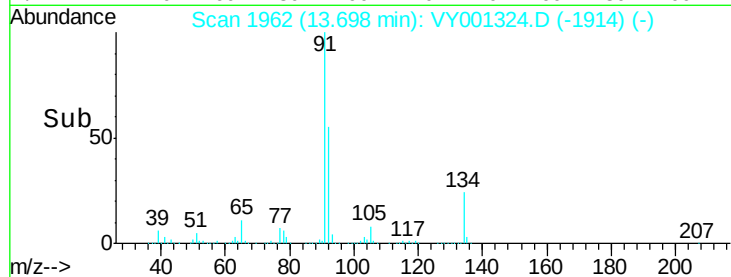
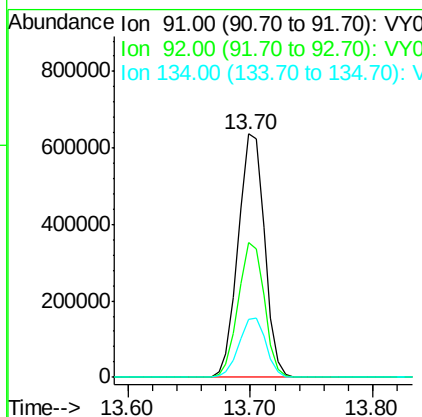
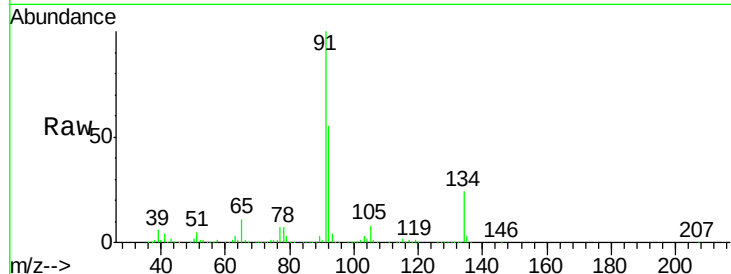
#89
n-Butylbenzene
Concen: 98.067 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.8	27.6	82.8	
134	24.8	12.9	38.6	

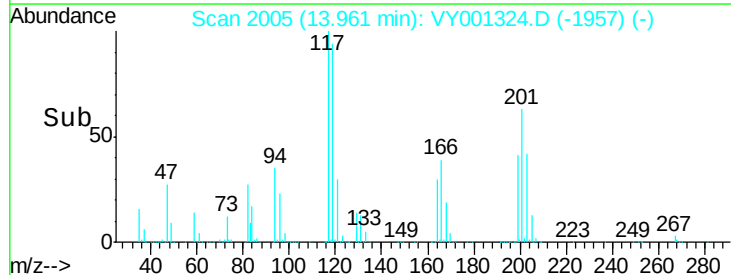
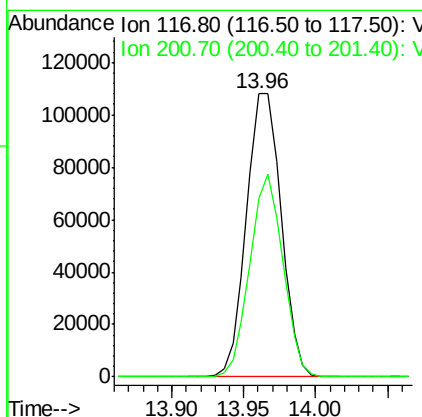
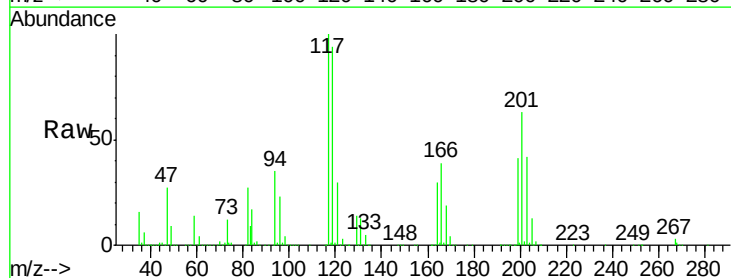
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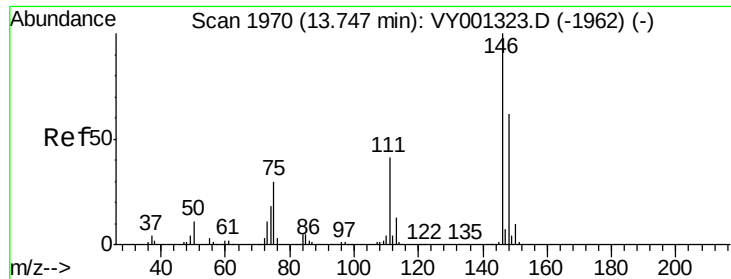
MMDadoda
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#90
Hexachloroethane
Concen: 96.395 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001324.D
Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	68.1	34.6	103.8	





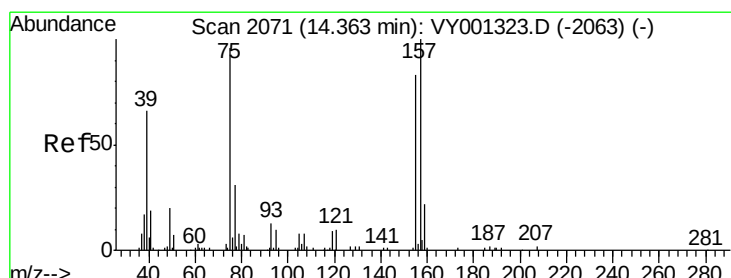
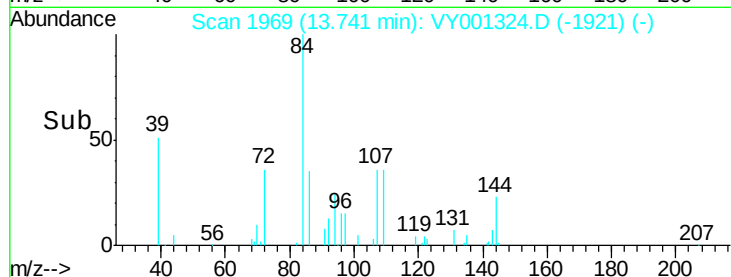
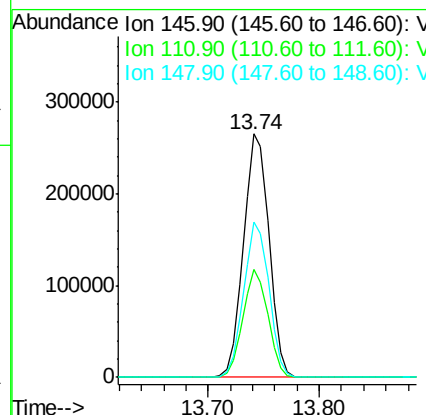
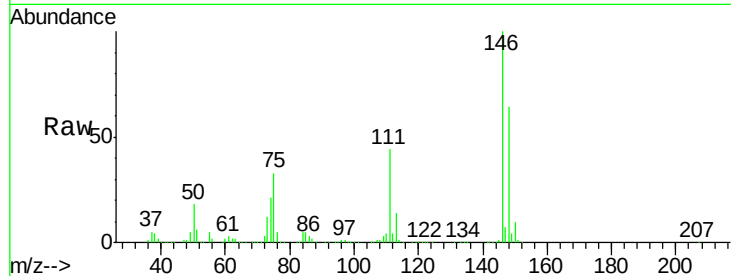
#91
 1,2-Dichlorobenzene
 Concen: 98.371 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.4
148	63.2	31.5	94.5

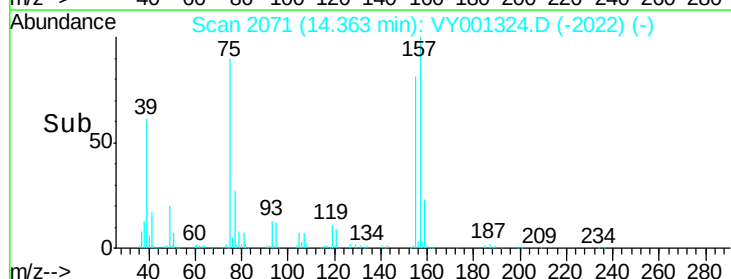
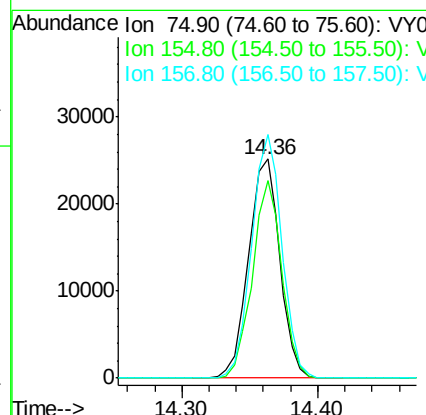
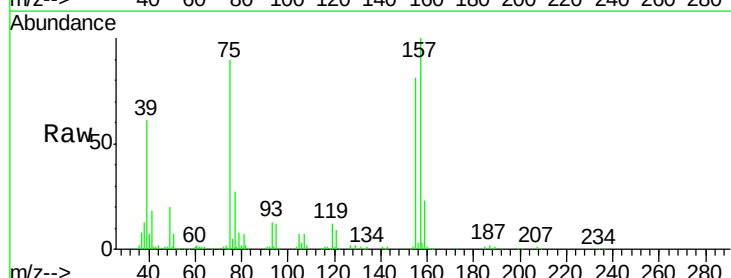
Manual Integrations
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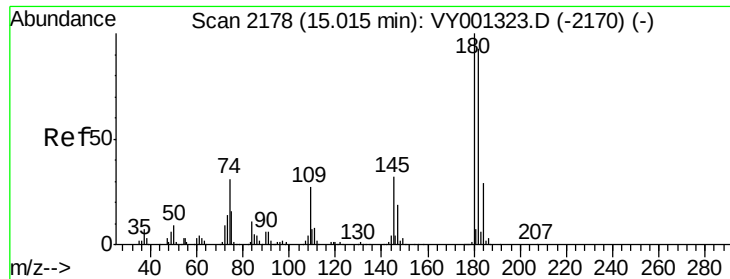
MMDadoda
 1/22/2020 10:49:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 97.858 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	43.0	129.2
157	107.7	53.3	160.0





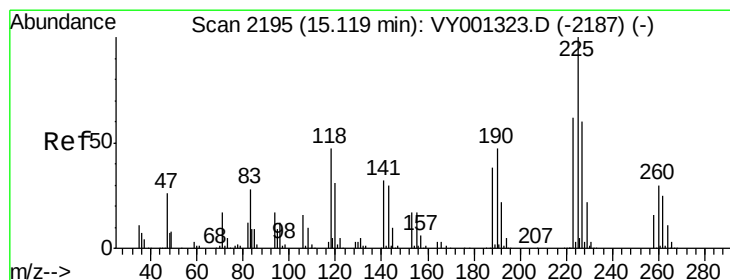
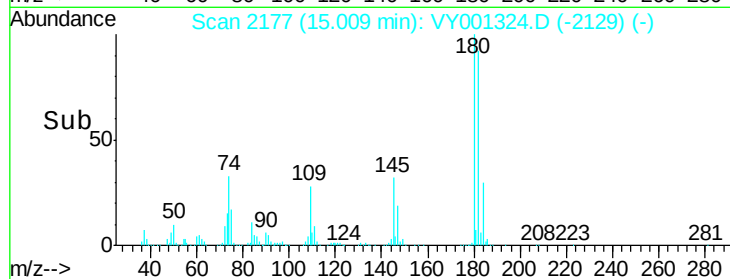
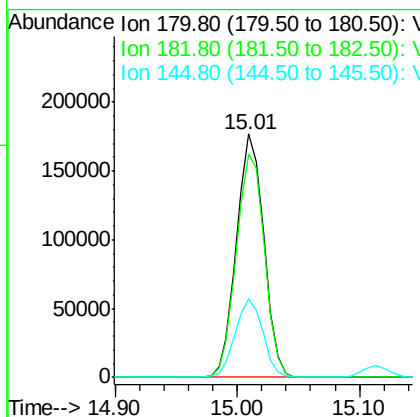
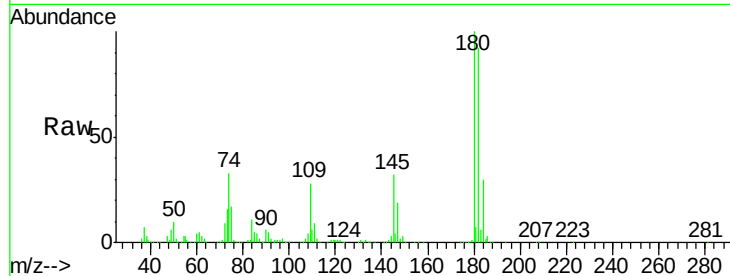
#93
 1,2,4-Trichlorobenzene
 Concen: 97.325 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273747		
182	94.1	47.6	142.8	
145	32.3	16.3	48.9	

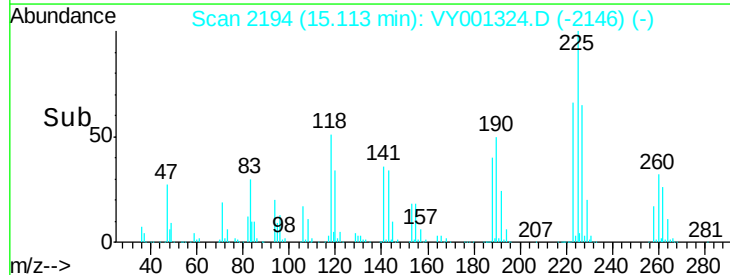
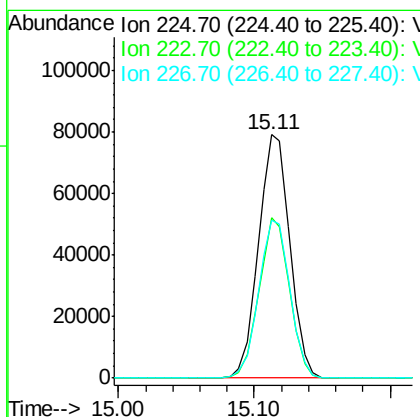
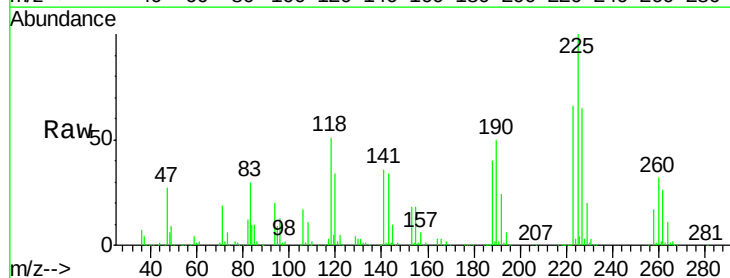
Manual Integrations
 APPROVED

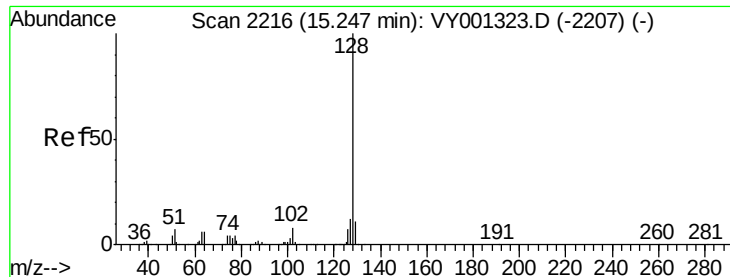
MMDadoda
 1/22/2020 10:49:48 AM



#94
 Hexachlorobutadiene
 Concen: 90.558 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001324.D
 Acq: 21 Jan 2020 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127708		
223	64.0	31.2	93.6	
227	64.9	31.0	93.0	





#95

Naphthalene

Concen: 101.228 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 662478

Ion Ratio Lower Upper

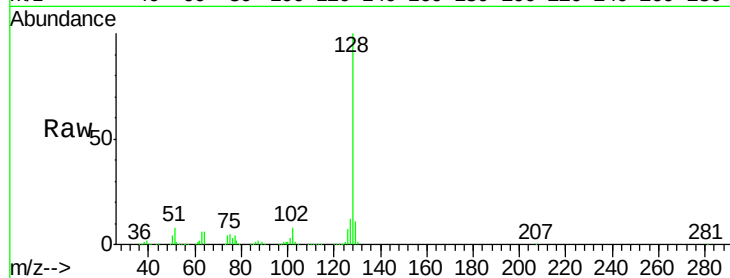
128 100

127 12.7 10.2 15.2

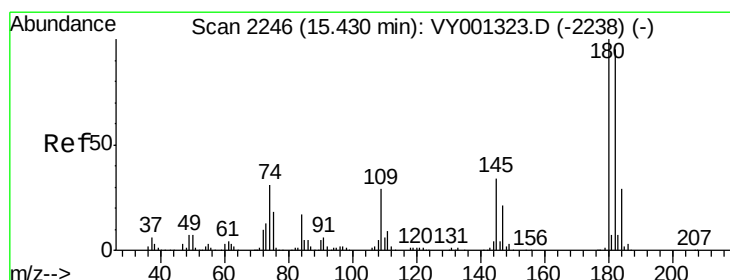
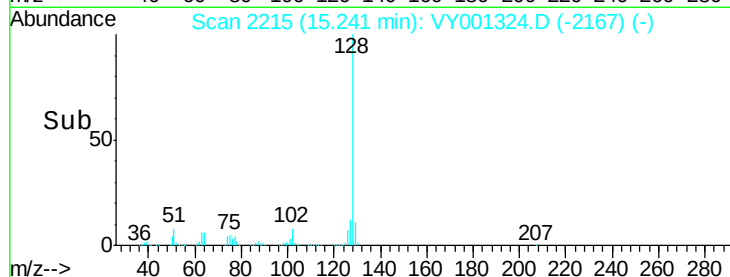
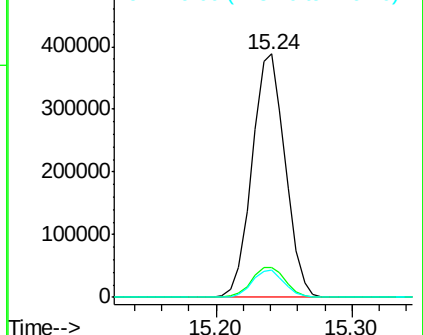
129 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
1/22/2020 10:49:48 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 99.348 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.01 min

Lab File: VY001324.D

Acq: 21 Jan 2020 16:08

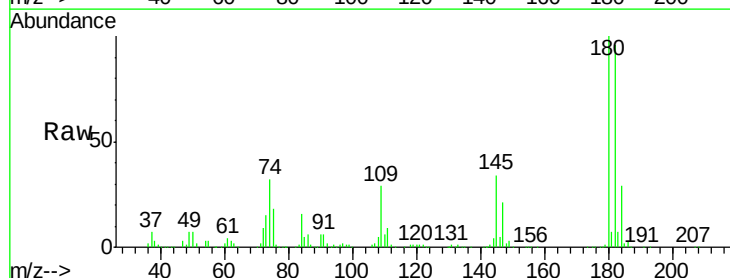
Tgt Ion:180 Resp: 246891

Ion Ratio Lower Upper

180 100

182 94.2 47.3 141.8

145 33.7 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

