

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
 Data File : VY002325.D
 Acq On : 15 Apr 2020 10:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 10:32:03 AM

Quant Time: Apr 16 06:51:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	161192	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	288760	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	254064	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	111242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	79547	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	
35) Dibromofluoromethane	7.75	113	85150	49.56	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.12%	
50) Toluene-d8	10.19	98	356756	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.49	95	109874	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	77322	47.463	ug/l	96
3) Chloromethane	2.13	50	91511	44.633	ug/l	98
4) Vinyl Chloride	2.27	62	101579	46.546	ug/l	98
5) Bromomethane	2.68	94	62528	46.398	ug/l	97
6) Chloroethane	2.82	64	58711	46.648	ug/l	97
7) Trichlorofluoromethane	3.15	101	138230	49.047	ug/l	96
8) Diethyl Ether	3.55	74	57709	48.166	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.93	101	96949	50.641	ug/l	97
10) Methyl Iodide	4.13	142	117936	52.998	ug/l	97
11) Tert butyl alcohol	4.99	59	41968	215.106	ug/l	98
12) 1,1-Dichloroethene	3.90	96	99509	51.126	ug/l	92
13) Acrolein	3.76	56	51599	223.248	ug/l	100
14) Allyl chloride	4.52	41	142054	45.197	ug/l	96
15) Acrylonitrile	5.21	53	139724	228.045	ug/l	98
16) Acetone	3.98	43	141258	299.192	ug/l	98
17) Carbon Disulfide	4.22	76	320243	49.543	ug/l	99
18) Methyl Acetate	4.52	43	62352	42.577	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	241466	47.190	ug/l	98
20) Methylene Chloride	4.75	84	111303	47.963	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	109018	49.901	ug/l	96
22) Diisopropyl ether	6.15	45	286716	45.329	ug/l	98
23) Vinyl Acetate	6.10	43	892545	221.432	ug/l	98
24) 1,1-Dichloroethane	6.05	63	174614	48.535	ug/l	99
25) 2-Butanone	7.02	43	177443	237.486	ug/l	95
26) 2,2-Dichloropropane	7.01	77	141183	46.912	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	117049	49.150	ug/l	95
28) Bromochloromethane	7.36	49	68223	43.928	ug/l	95
29) Tetrahydrofuran	7.38	42	104219	211.013	ug/l	95
30) Chloroform	7.53	83	164595	48.534	ug/l	97
31) Cyclohexane	7.81	56	172902	45.784	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	139496	49.418	ug/l	98
36) 1,1-Dichloropropene	7.94	75	141032	49.585	ug/l	98
37) Ethyl Acetate	7.11	43	69152	42.559	ug/l	96
38) Carbon Tetrachloride	7.93	117	121040	49.752	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	190809	49.317	ug/l	94
40) Benzene	8.19	78	430793	49.921	ug/l	98
41) Methacrylonitrile	7.33	41	25842m	26.960	ug/l	
42) 1,2-Dichloroethane	8.26	62	97580	45.649	ug/l	98
43) Isopropyl Acetate	8.30	43	128338	43.308	ug/l	97
44) Trichloroethene	8.96	130	123552	48.698	ug/l	93
45) 1,2-Dichloropropane	9.24	63	103493	48.336	ug/l	97
46) Dibromomethane	9.32	93	54164	48.382	ug/l	98
47) Bromodichloromethane	9.52	83	127196	49.517	ug/l	99
48) Methyl methacrylate	9.31	41	55013	41.402	ug/l	91
49) 1,4-Dioxane	9.32	88	14143	893.095	ug/l	90
51) 4-Methyl-2-Pentanone	10.08	43	339140	219.627	ug/l	97
52) Toluene	10.26	92	262283	50.434	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	135198	48.307	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	165144	49.081	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	80608	49.181	ug/l	97
56) Ethyl methacrylate	10.52	69	111517	47.672	ug/l	92
57) 1,3-Dichloropropane	10.80	76	138074	47.928	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	275063	227.066	ug/l	98
59) 2-Hexanone	10.85	43	248190	231.587	ug/l	96
60) Dibromochloromethane	11.00	129	85996	49.206	ug/l	100
61) 1,2-Dibromoethane	11.10	107	75051	48.099	ug/l	100
64) Tetrachloroethene	10.74	164	129145	50.277	ug/l	96
65) Chlorobenzene	11.53	112	267858	50.719	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	88696	50.868	ug/l	98
67) Ethyl Benzene	11.60	91	487200	50.392	ug/l	99
68) m/p-Xylenes	11.71	106	369909	102.151	ug/l	97
69) o-Xylene	12.04	106	167578	49.292	ug/l	96
70) Styrene	12.05	104	290428	49.239	ug/l	97
71) Bromoform	12.22	173	46659	49.207	ug/l #	100
73) Isopropylbenzene	12.34	105	440507	50.405	ug/l	99
74) N-amyl acetate	12.15	43	105843	42.666	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	57251	54.146	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	56236m	43.534	ug/l	
77) Bromobenzene	12.62	156	98088	51.015	ug/l	93
78) n-propylbenzene	12.68	91	534233	49.152	ug/l	99
79) 2-Chlorotoluene	12.77	91	287320	48.642	ug/l	96
80) 1,3,5-Trimethylbenzene	12.82	105	360059	49.817	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	31872	47.989	ug/l	99
82) 4-Chlorotoluene	12.86	91	295964	47.806	ug/l	97
83) tert-Butylbenzene	13.08	119	302746	50.007	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	355887	49.310	ug/l	99
85) sec-Butylbenzene	13.27	105	444825	49.323	ug/l	99
86) p-Isopropyltoluene	13.38	119	385493	49.664	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	186638	50.087	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	187400	49.544	ug/l	99
89) n-Butylbenzene	13.70	91	385497	48.452	ug/l	99
90) Hexachloroethane	13.97	117	72188	48.805	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	167070	49.342	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	10909	42.659	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	104506	47.220	ug/l	100
94) Hexachlorobutadiene	15.12	225	54267	48.683	ug/l	99
95) Naphthalene	15.25	128	226701	46.783	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	90272	46.975	ug/l	99

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

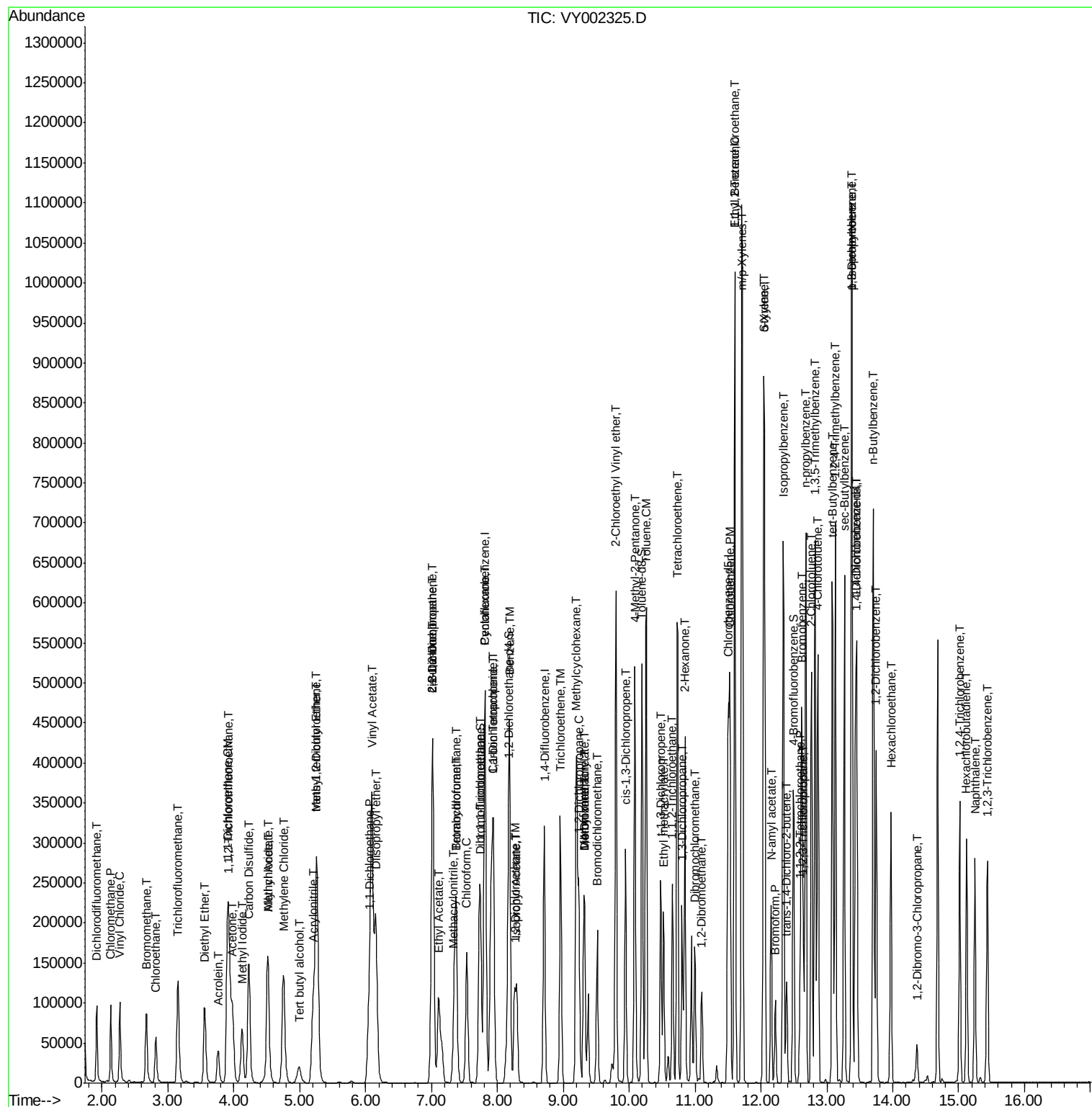
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
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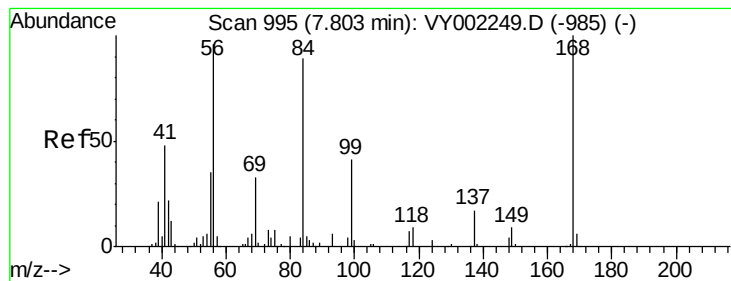
Instrument :
MSVOA_Y
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 161192

Ion Ratio Lower Upper

168 100

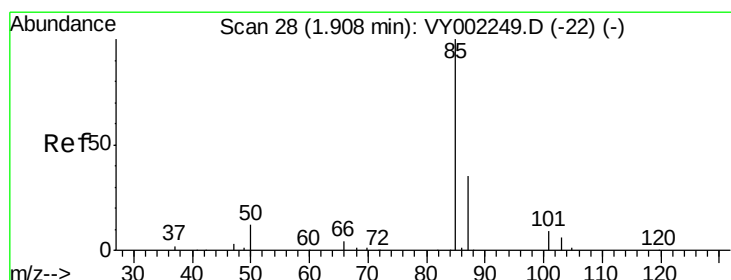
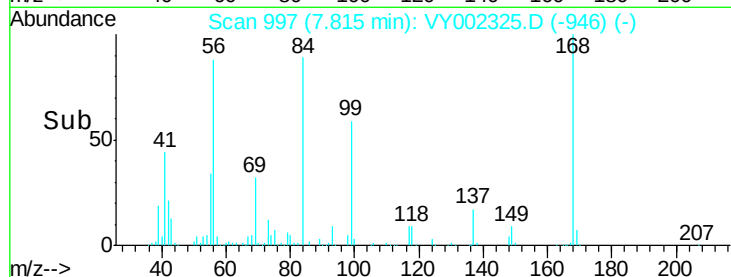
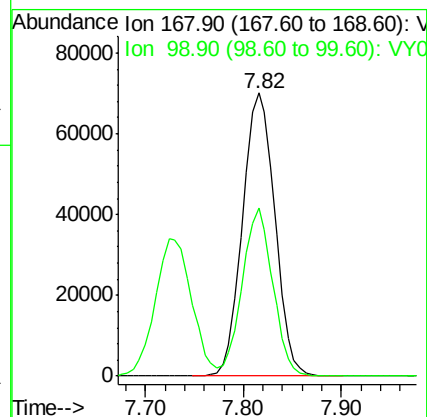
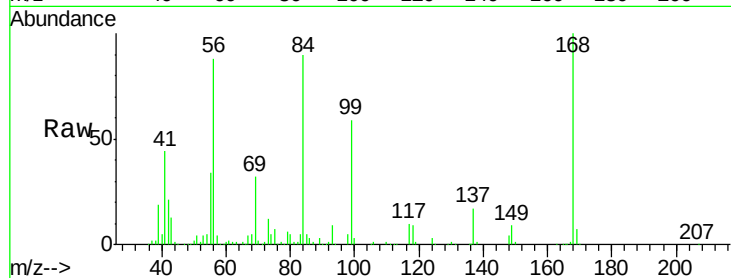
99 59.3 48.0 72.0

Manual Integrations

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4/16/2020 10:32:03 AM



#2

Dichlorodifluoromethane

Concen: 47.463 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002325.D

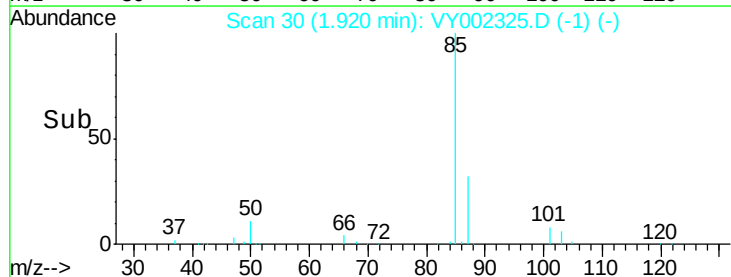
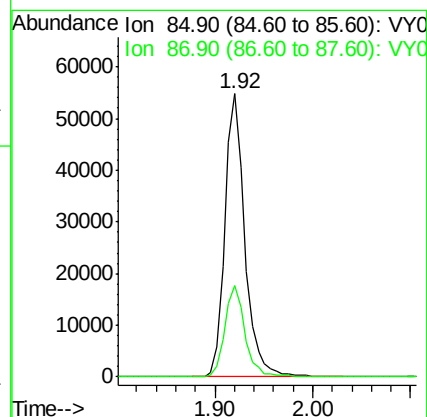
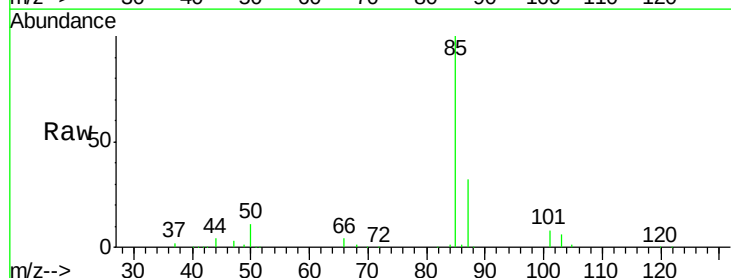
Acq: 15 Apr 2020 10:30

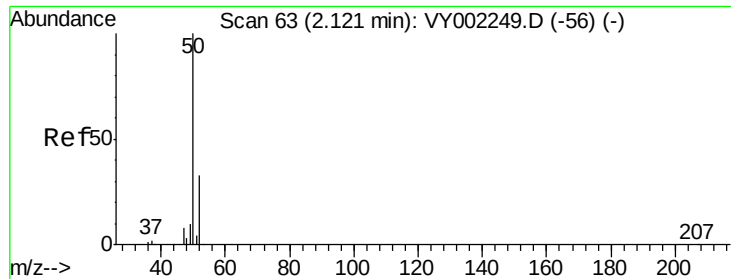
Tgt Ion: 85 Resp: 77322

Ion Ratio Lower Upper

85 100

87 32.5 17.3 51.9





#3

Chloromethane

Concen: 44.633 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 91511

Ion Ratio Lower Upper

50 100

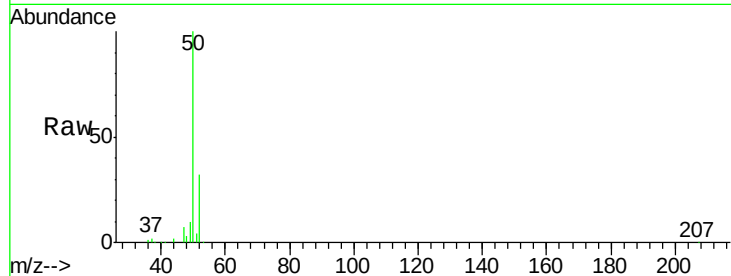
52 32.3 26.6 39.8

Manual Integrations

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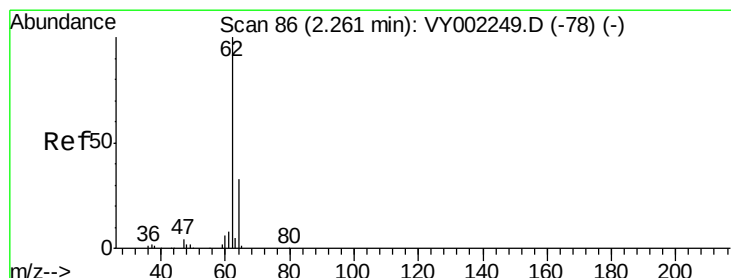
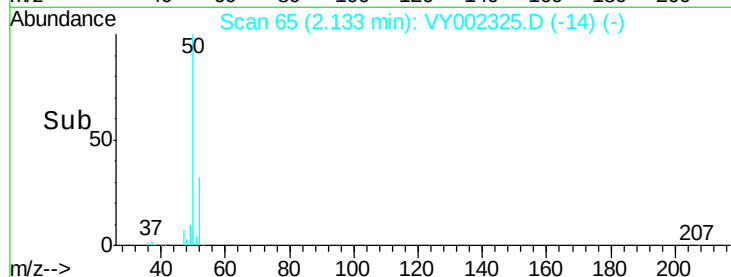
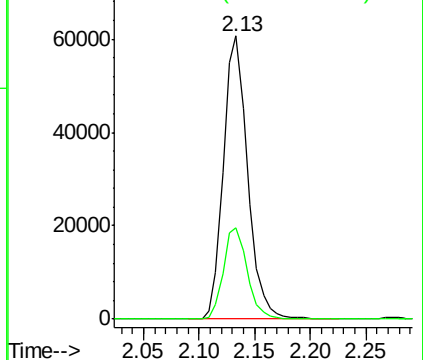
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 46.546 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY002325.D

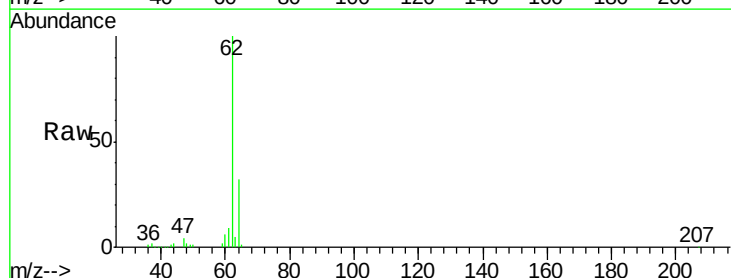
Acq: 15 Apr 2020 10:30

Tgt Ion: 62 Resp: 101579

Ion Ratio Lower Upper

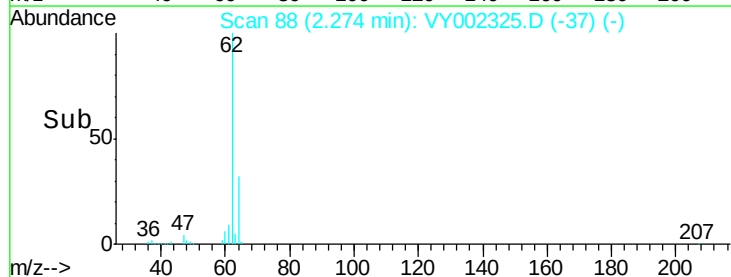
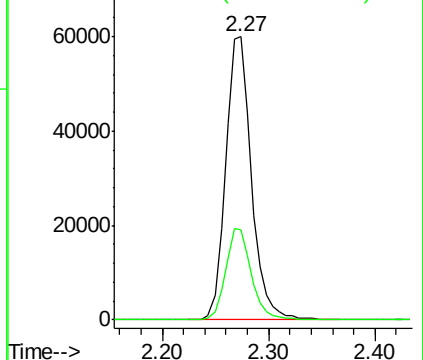
62 100

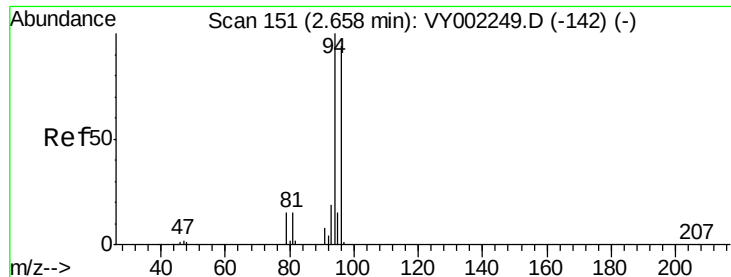
64 31.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 46.398 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.02 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

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Tot Ion: 94 Resp: 62528

Ion Ratio Lower Upper

94 100

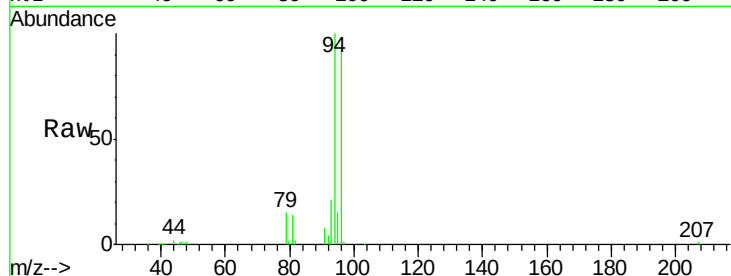
96 91.9 75.6 113.4

Manual Integrations

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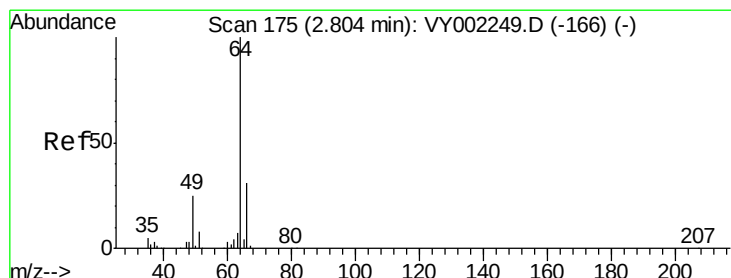
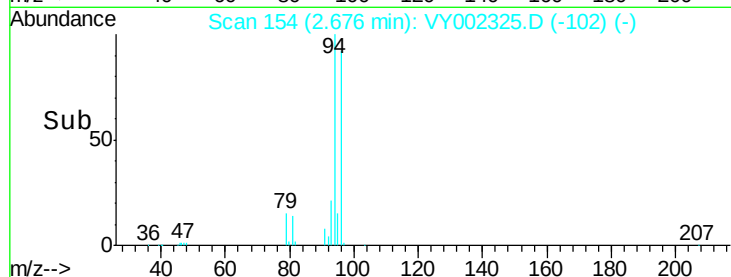
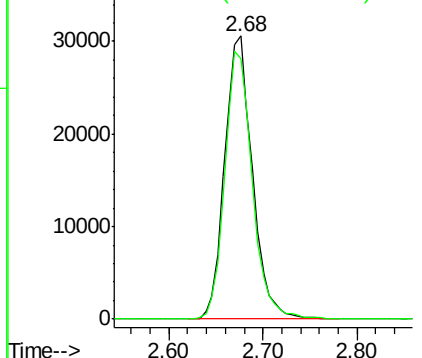
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 46.648 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002325.D

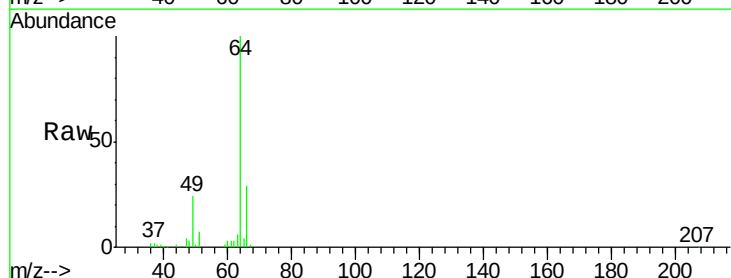
Acq: 15 Apr 2020 10:30

Tgt Ion: 64 Resp: 58711

Ion Ratio Lower Upper

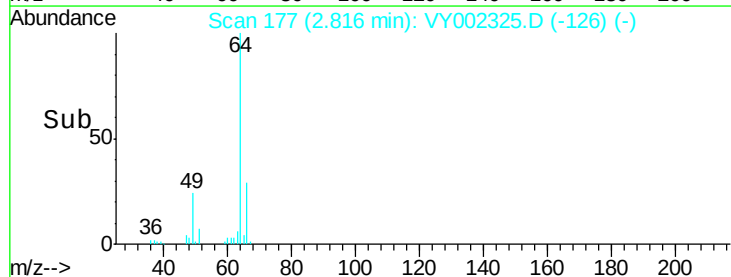
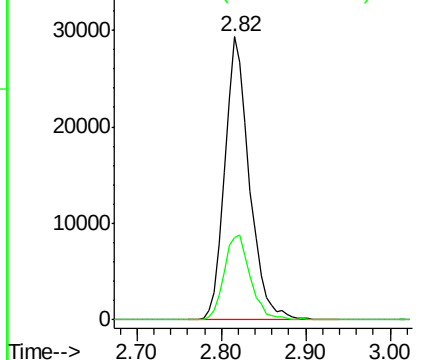
64 100

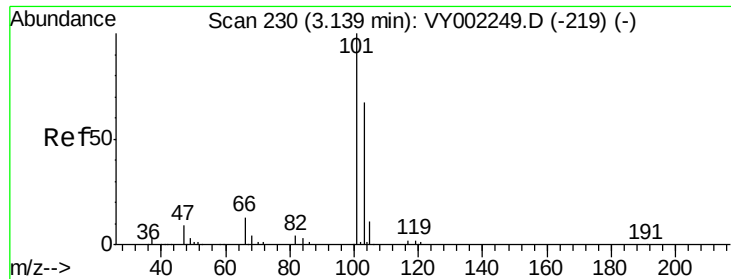
66 29.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

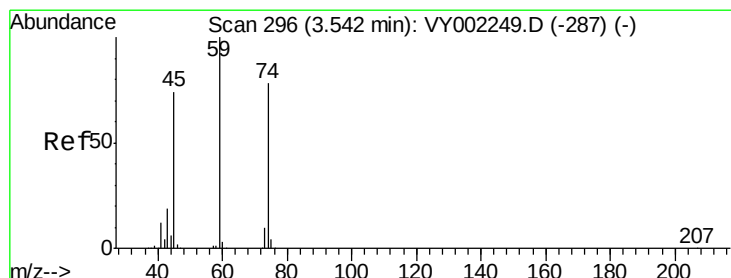
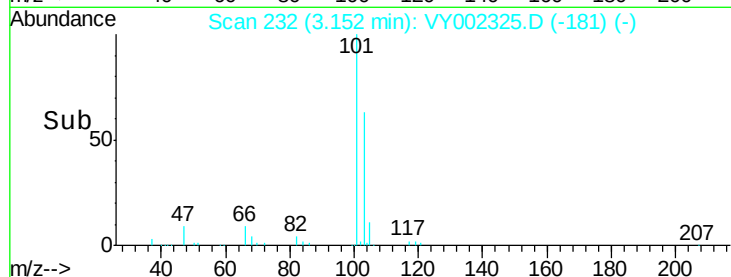
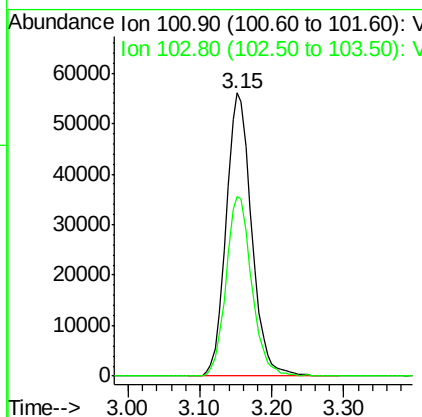
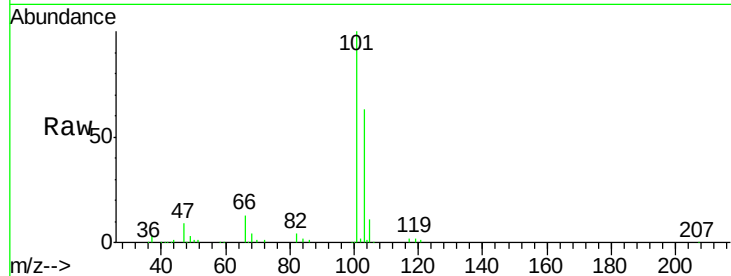
Trichlorofluoromethane
 Concen: 49.047 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	138230		
103	63.4	53.3	79.9	

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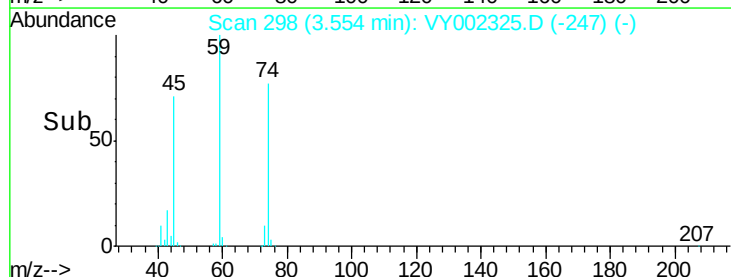
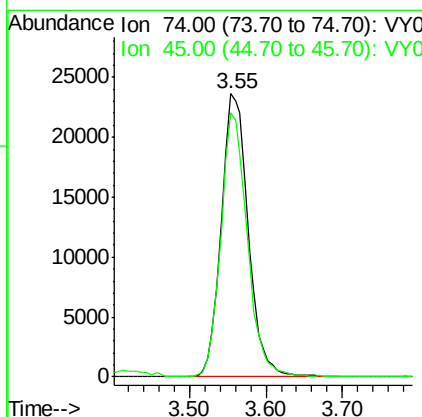
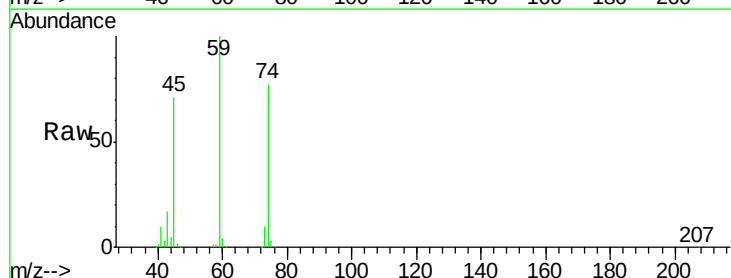
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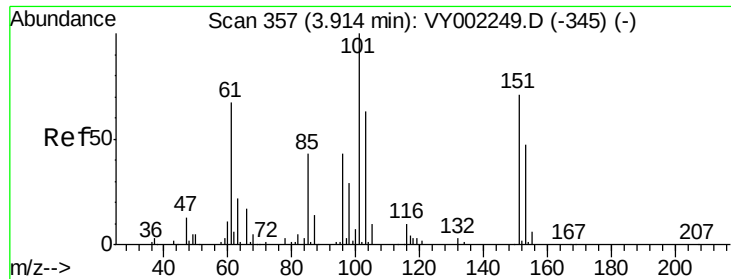


#8

Diethyl Ether
 Concen: 48.166 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57709		
45	90.4	48.0	144.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.641 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.02 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

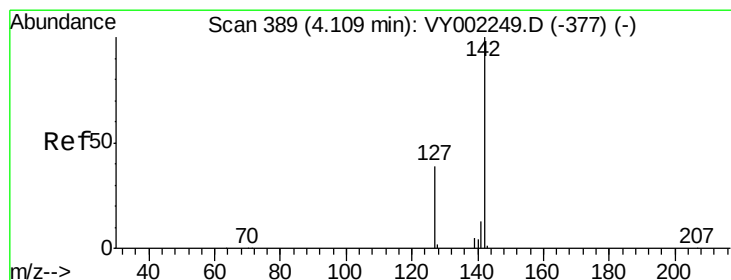
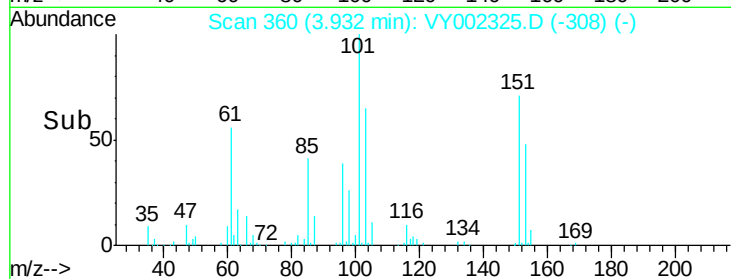
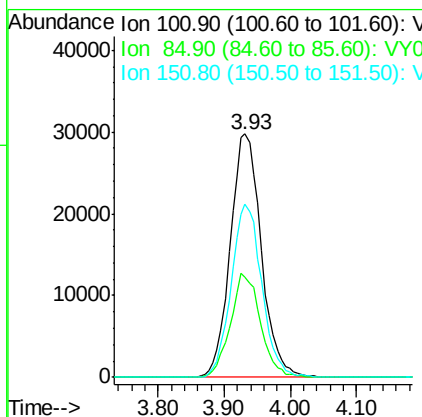
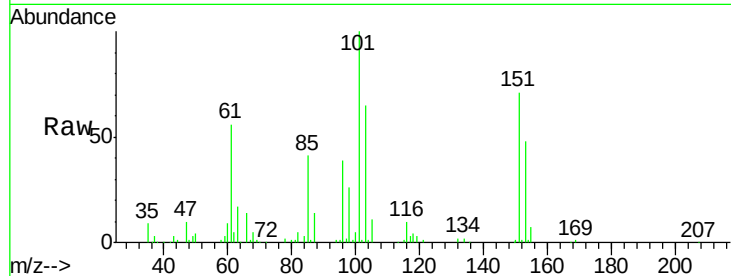
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	96949
Ion Ratio	Lower	Upper	
101	100		
85	41.3	34.6	52.0
151	70.1	57.6	86.4

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#10

Methyl Iodide

Concen: 52.998 ug/l

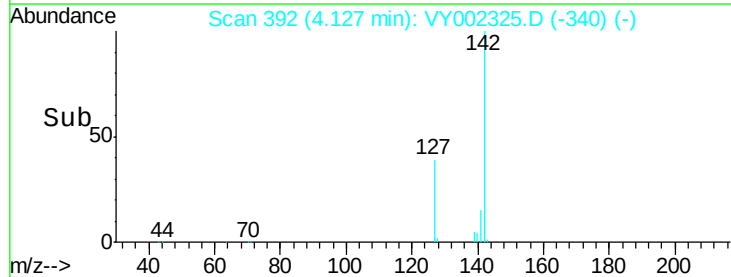
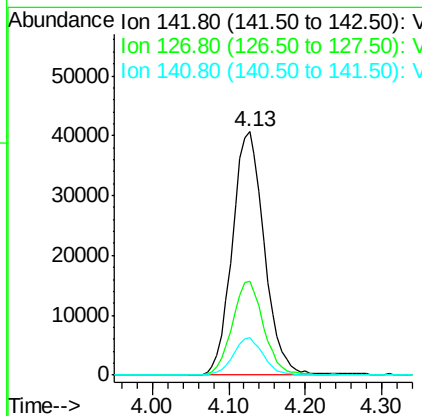
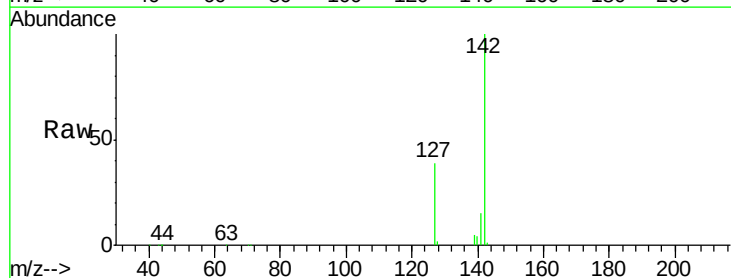
RT: 4.13 min Scan# 392

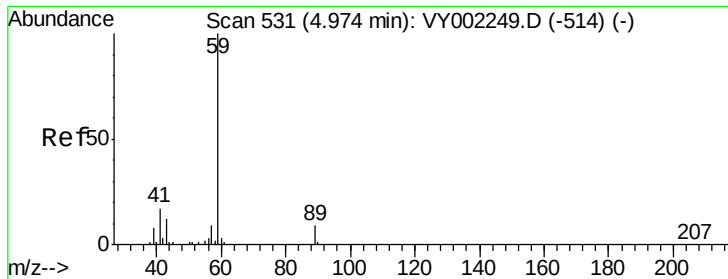
Delta R.T. 0.02 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Tgt Ion:	142	Resp:	117936
Ion Ratio	Lower	Upper	
142	100		
127	37.8	32.4	48.6
141	14.4	11.2	16.8





#11

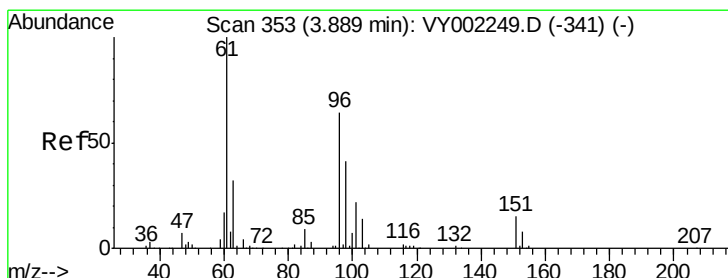
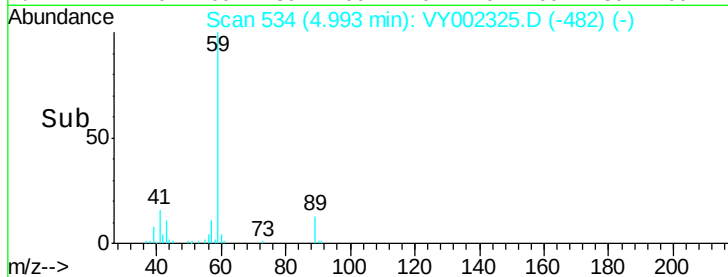
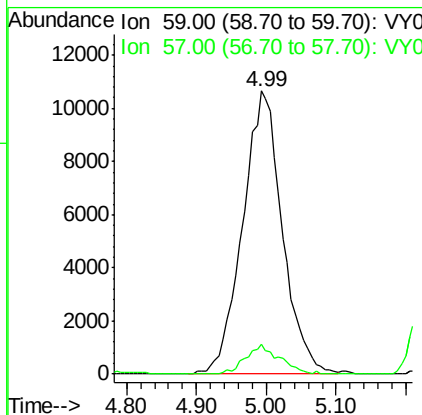
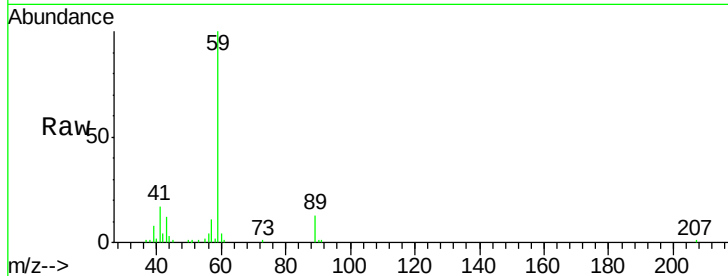
Tert butyl alcohol
Concen: 215.106 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.02 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	Ratio	100	Resp	41968
Ion	59	100		Lower	Upper
	57	9.0		6.6	9.8

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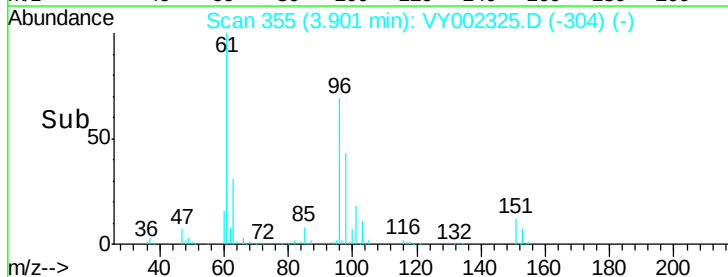
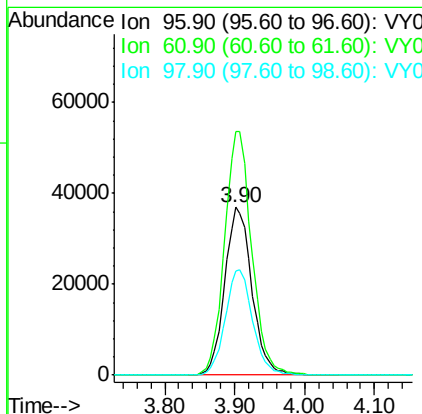
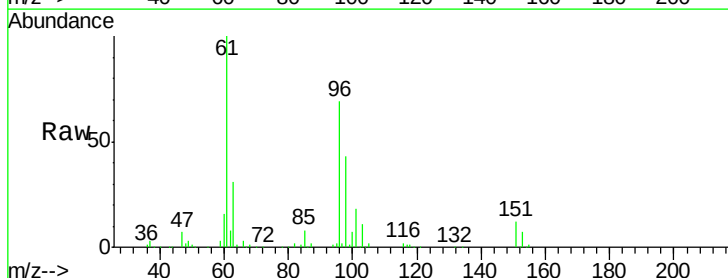
MMDadoda
4/16/2020 10:32:03 AM

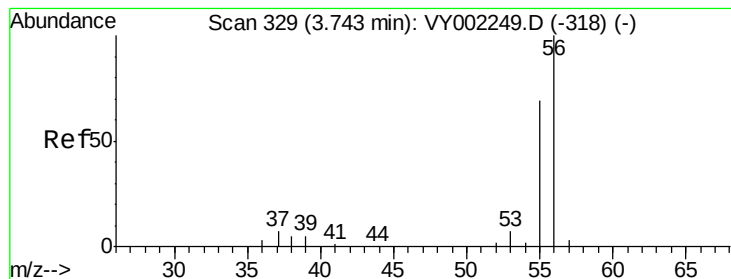


#12

1,1-Dichloroethene
Concen: 51.126 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	96	Ratio	100	Resp	99509
Ion	96	100		Lower	Upper
	61	144.9		125.9	188.9
	98	61.8		51.1	76.7





#13

Acrolein

Concen: 223.248 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.02 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 51599

Ion Ratio Lower Upper

56 100

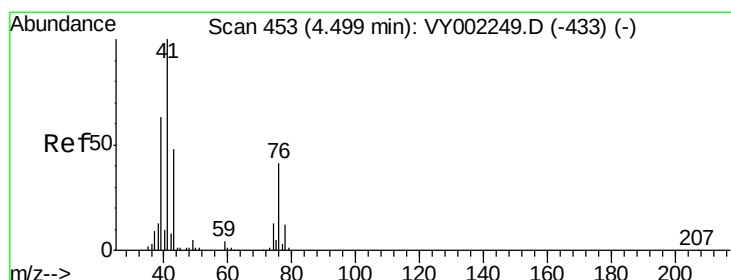
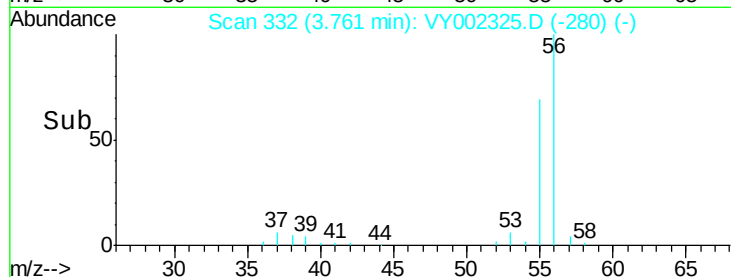
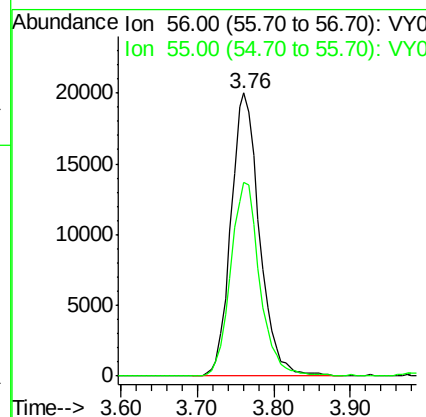
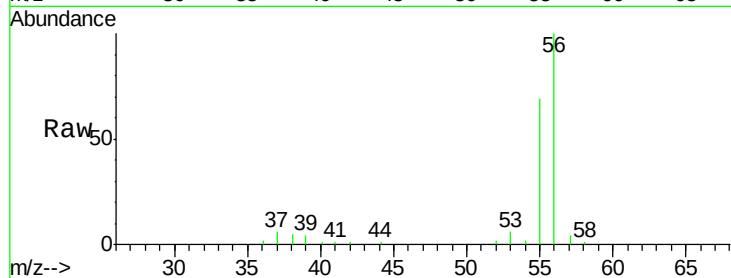
55 69.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 45.197 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.02 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

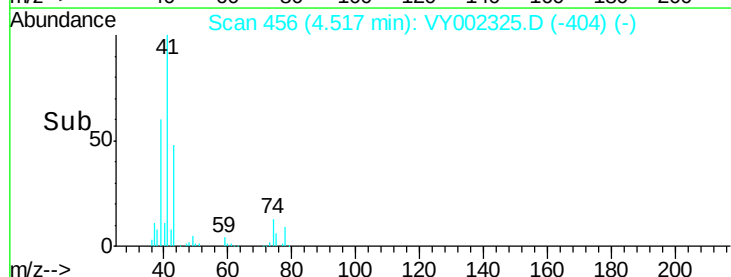
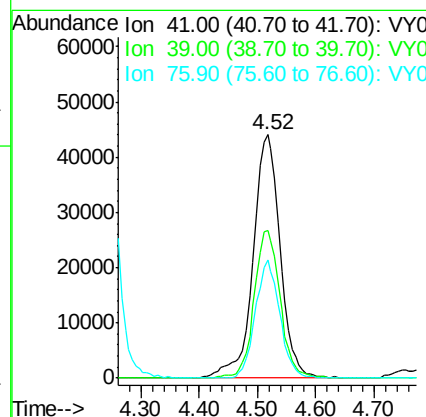
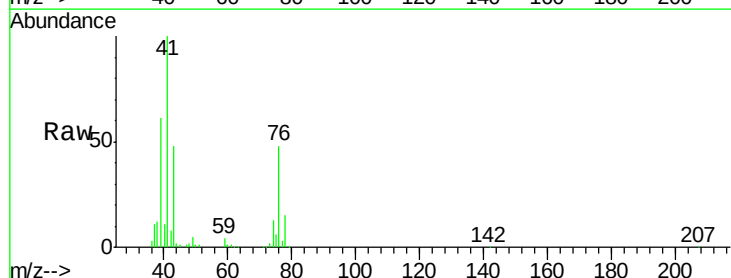
Tgt Ion: 41 Resp: 142054

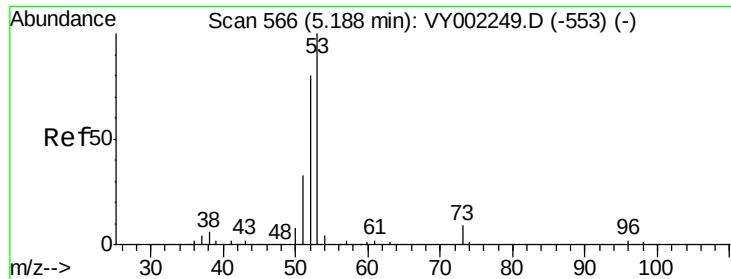
Ion Ratio Lower Upper

41 100

39 58.4 48.0 72.0

76 43.6 31.0 46.6





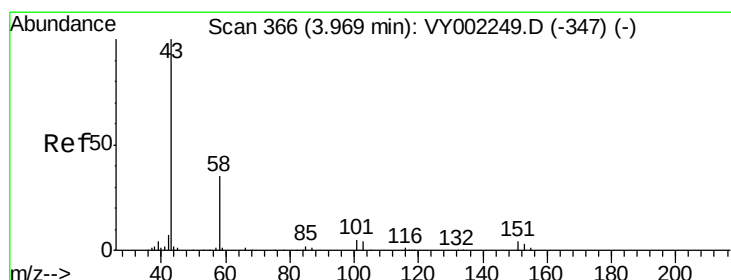
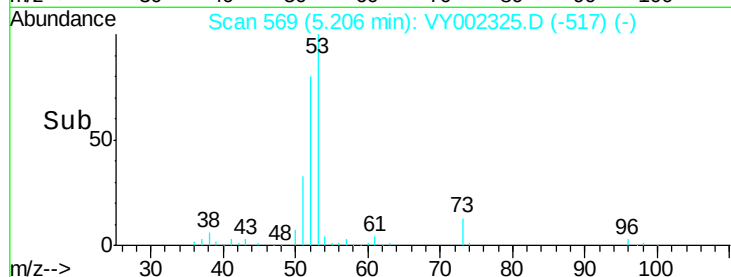
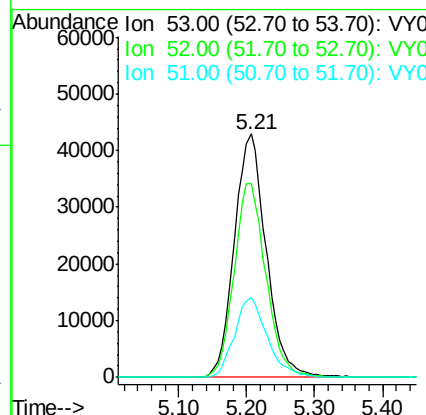
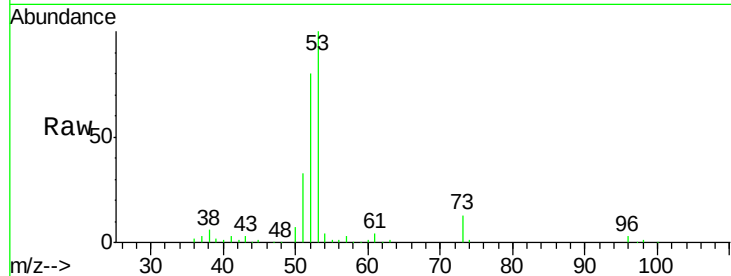
#15
 Acrylonitrile
 Concen: 228.045 ug/l
 RT: 5.21 min Scan# 569
 Delta R.T. 0.02 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	139724
Ion	Ratio	Lower	Upper
53	100		
52	79.4	65.1	97.7
51	33.8	27.1	40.7

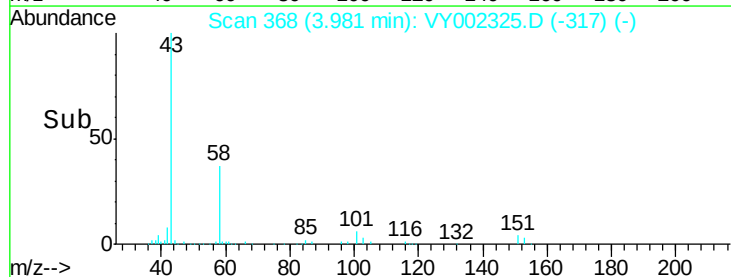
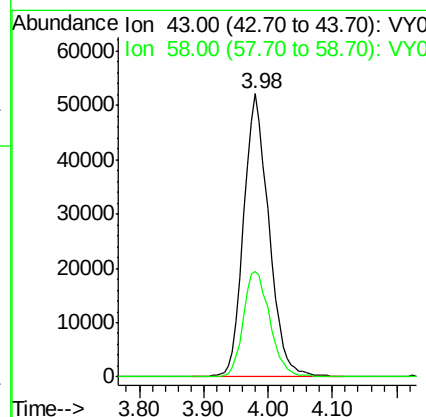
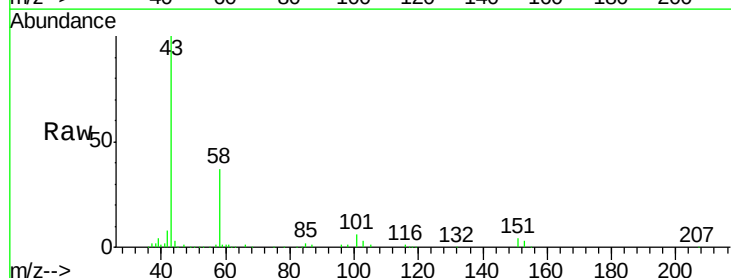
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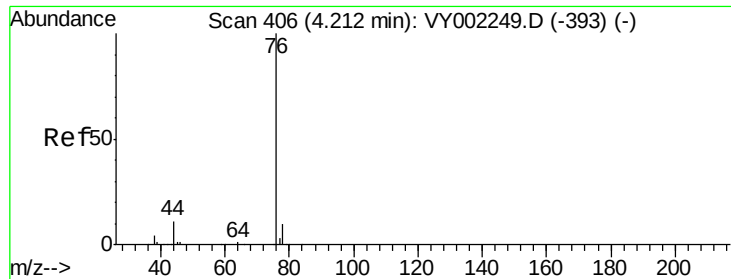
MMDadoda
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#16
 Acetone
 Concen: 299.192 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion:	43	Resp:	141258
Ion	Ratio	Lower	Upper
43	100		
58	37.1	28.5	42.7





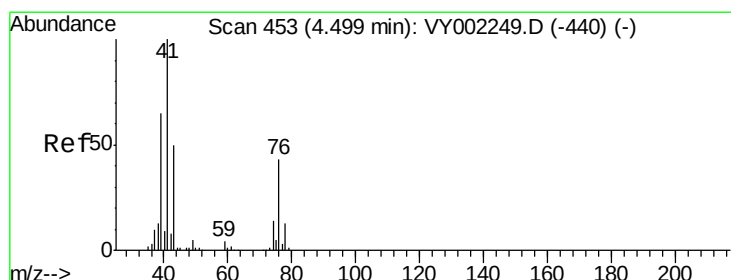
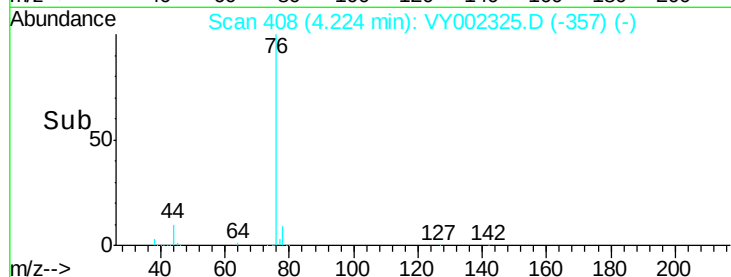
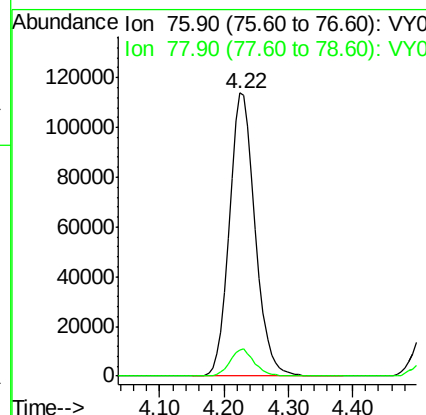
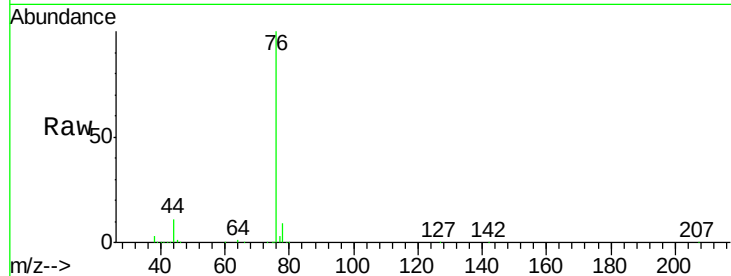
#17
Carbon Disulfide
Concen: 49.543 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.7	11.5

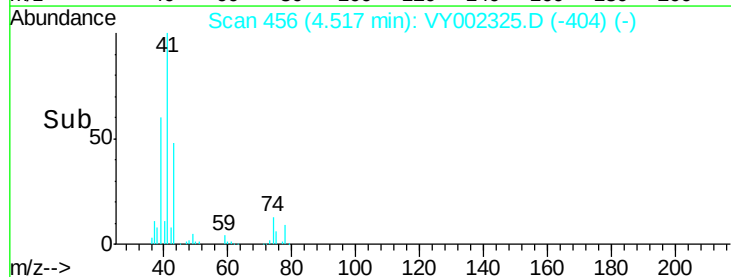
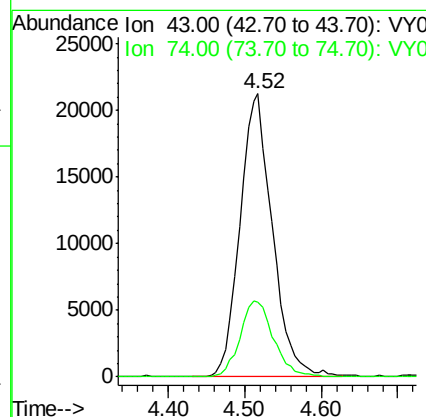
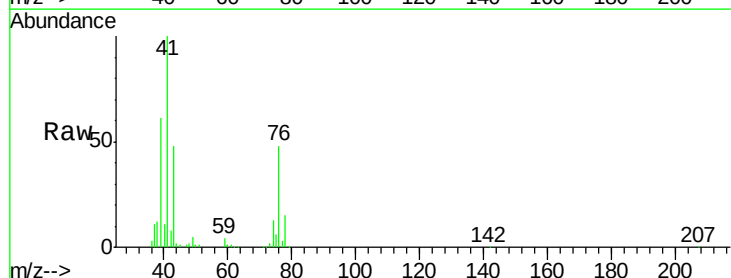
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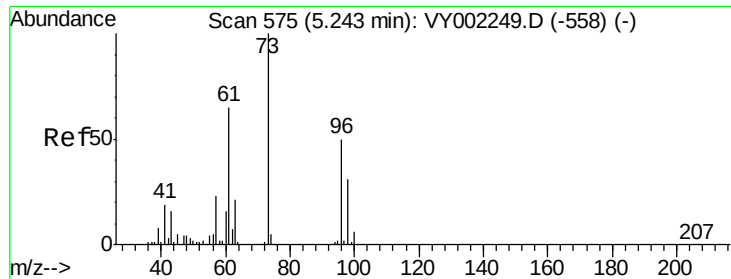
MMDadoda
4/16/2020 10:32:03 AM



#18
Methyl Acetate
Concen: 42.577 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.02 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	20.3	30.5





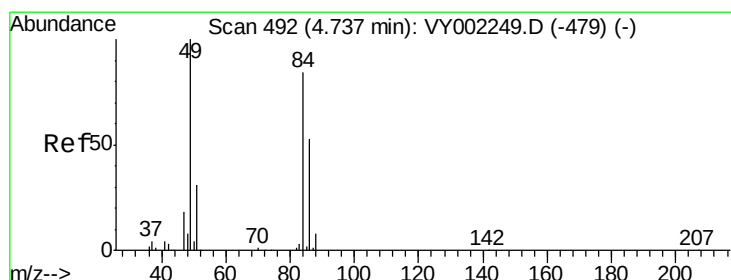
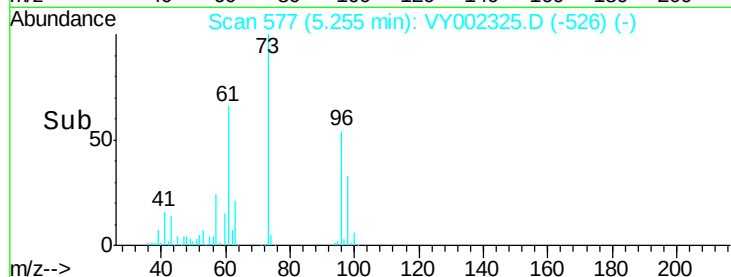
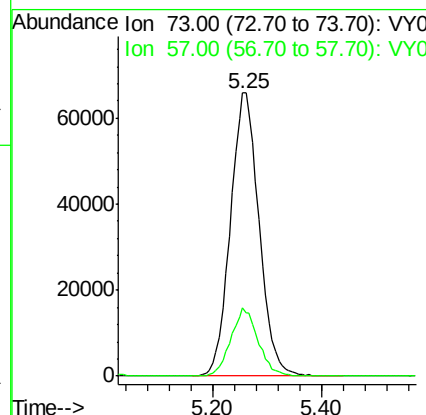
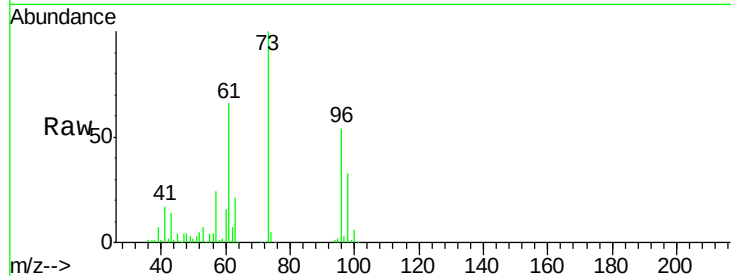
#19
Methyl tert-butyl Ether
Concen: 47.190 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 241466
Ion Ratio Lower Upper
73 100
57 24.2 18.7 28.1

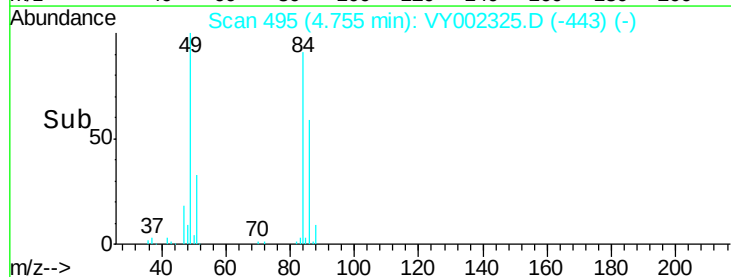
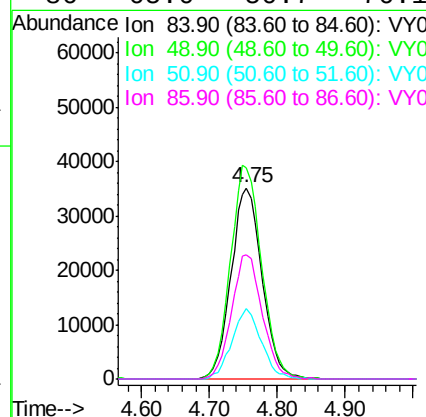
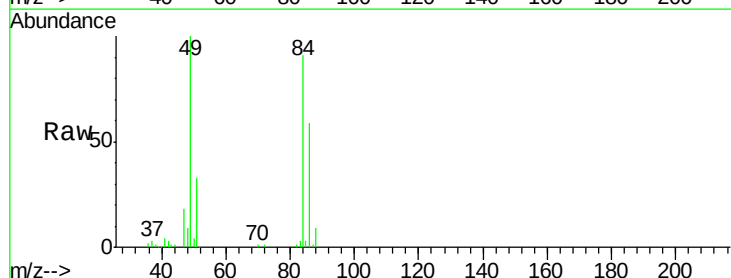
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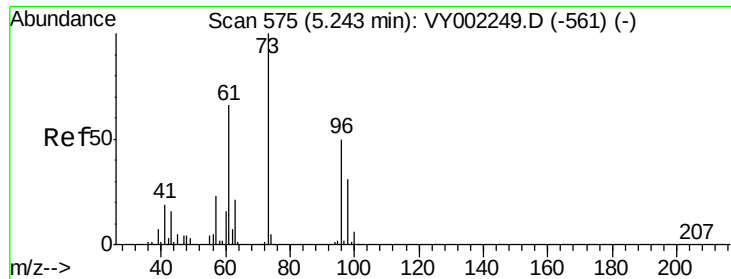
MMDadoda
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#20
Methylene Chloride
Concen: 47.963 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.02 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion: 84 Resp: 111303
Ion Ratio Lower Upper
84 100
49 110.5 95.5 143.3
51 36.7 29.5 44.3
86 65.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 49.901 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

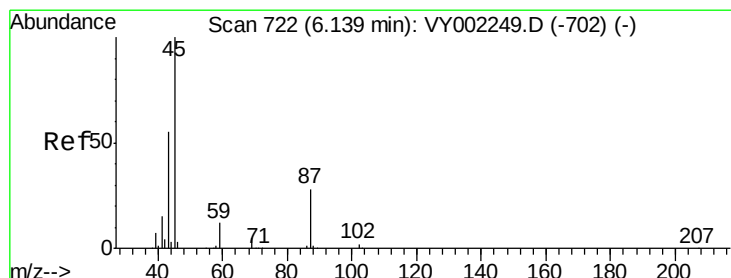
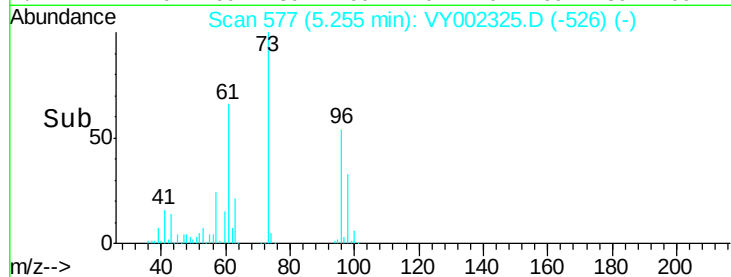
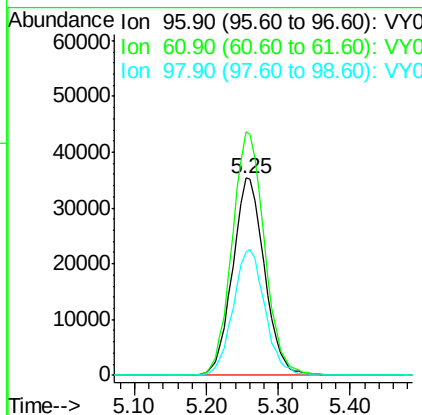
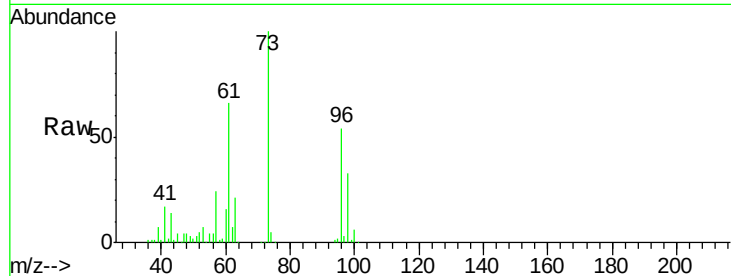
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	109018
Ion	Ratio	Lower	Upper
96	100		
61	123.5	104.6	157.0
98	62.2	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.329 ug/l

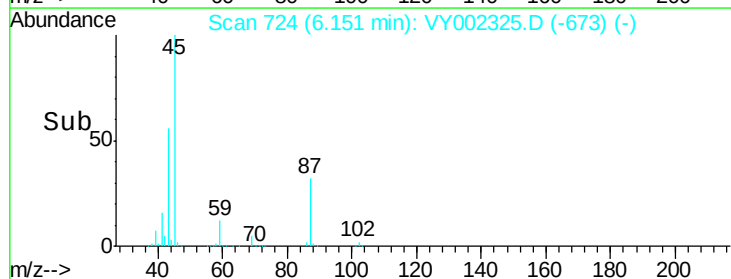
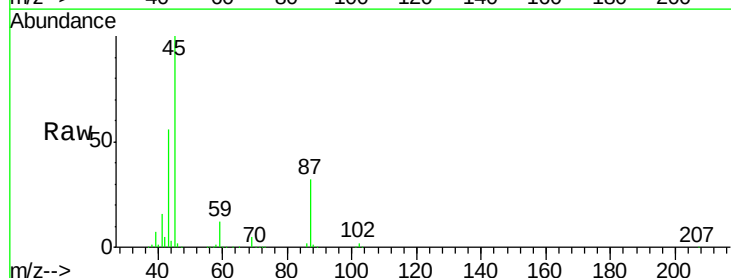
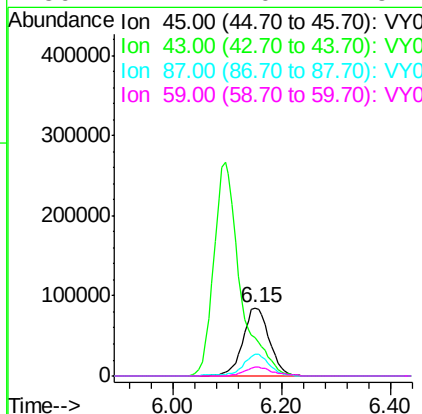
RT: 6.15 min Scan# 724

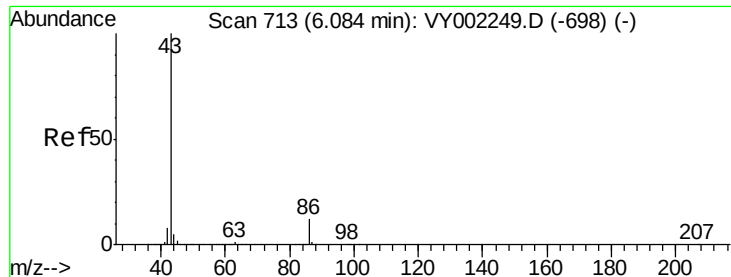
Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Tgt Ion:	45	Resp:	286716
Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.7	67.1
87	32.3	23.0	34.4
59	12.4	10.1	15.1





#23

Vinyl Acetate

Concen: 221.432 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 892545

Ion Ratio Lower Upper

43 100

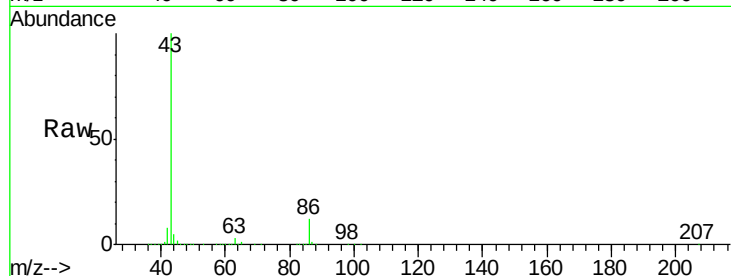
86 12.3 9.2 13.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

250000

200000

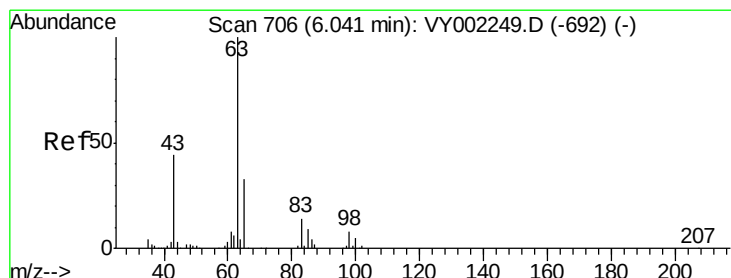
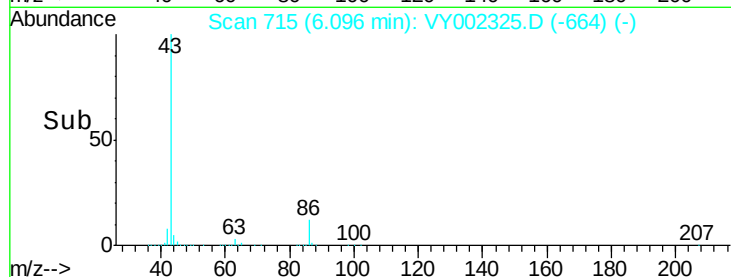
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 48.535 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

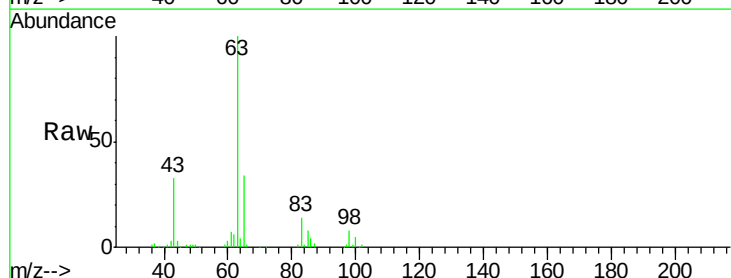
Tgt Ion: 63 Resp: 174614

Ion Ratio Lower Upper

63 100

98 8.5 4.0 12.0

100 4.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.05

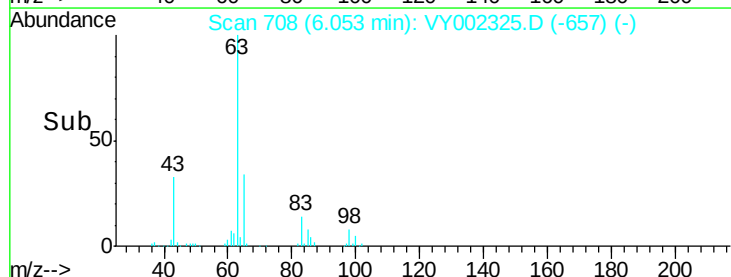
60000

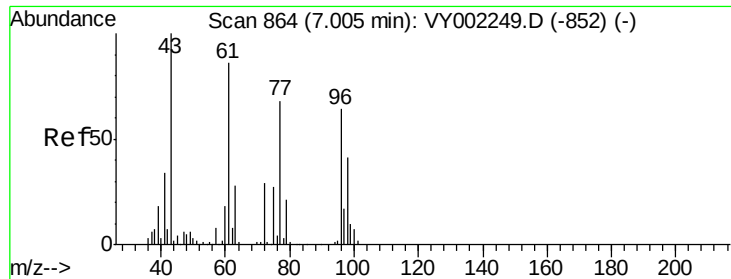
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 237.486 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 177443

Ion Ratio Lower Upper

43 100

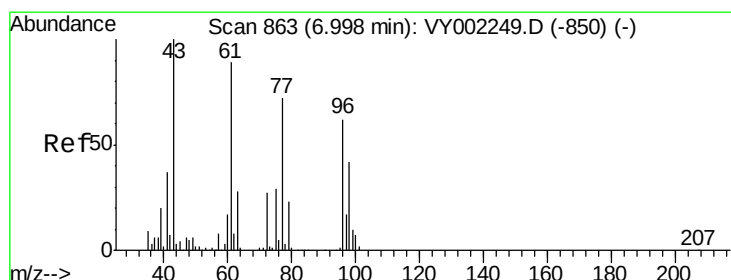
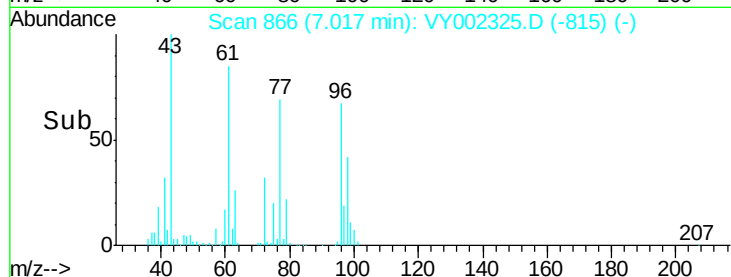
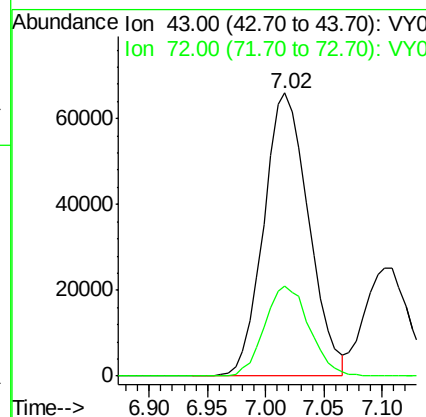
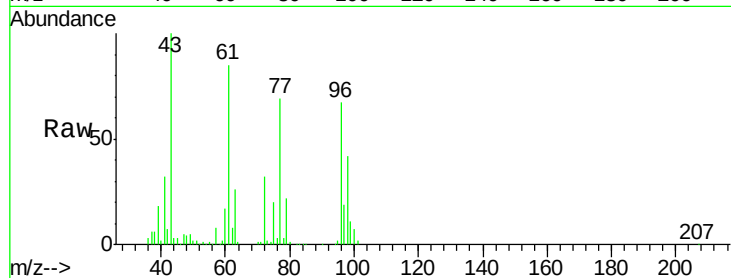
72 31.6 23.2 34.8

Manual Integrations

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MMDadoda

4/16/2020 10:32:03 AM



#26

2,2-Dichloropropane

Concen: 46.912 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002325.D

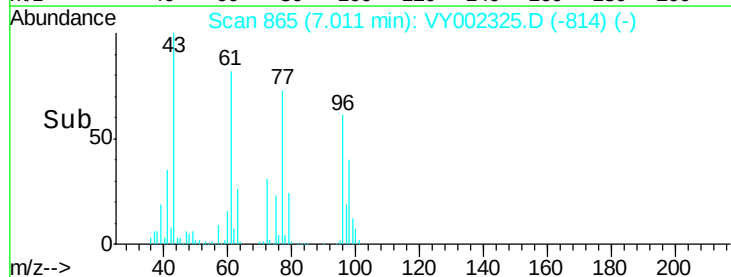
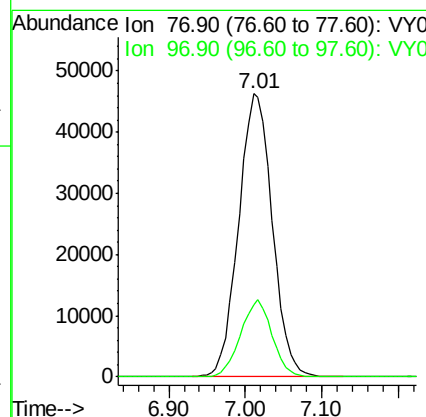
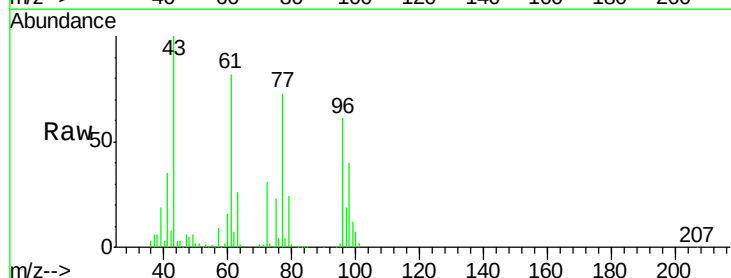
Acq: 15 Apr 2020 10:30

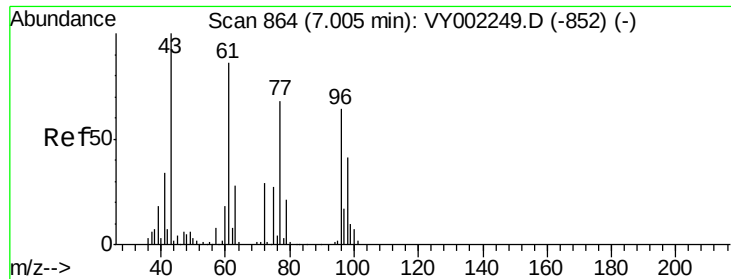
Tgt Ion: 77 Resp: 141183

Ion Ratio Lower Upper

77 100

97 25.4 12.2 36.6





#27

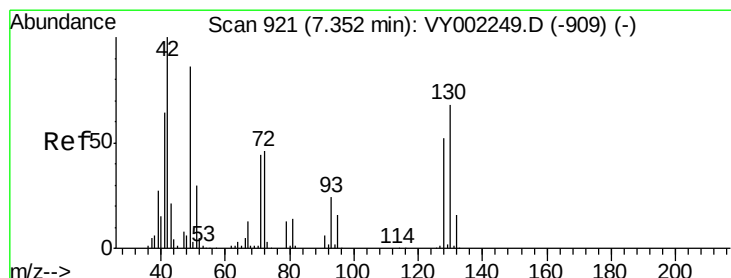
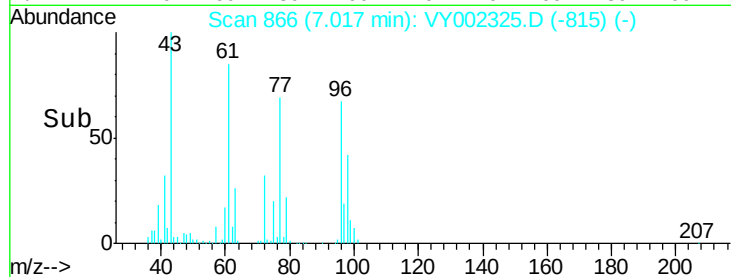
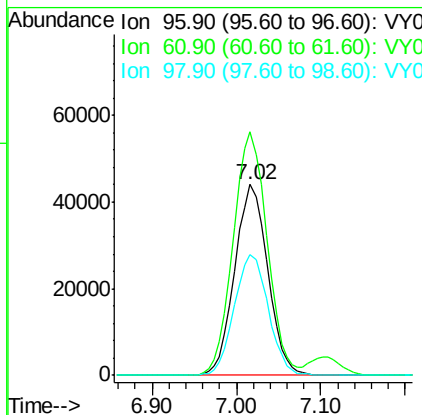
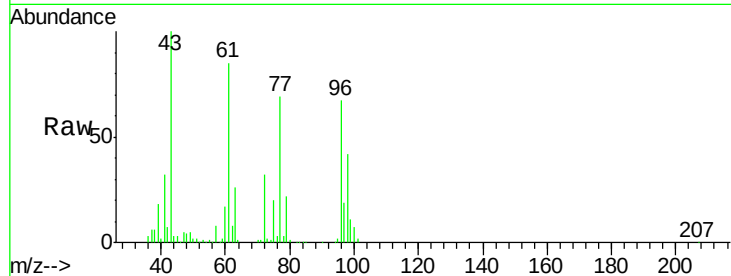
cis-1,2-Dichloroethene
 Concen: 49.150 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.7	0.0	278.0	
98	65.1	0.0	128.6	

Manual Integrations
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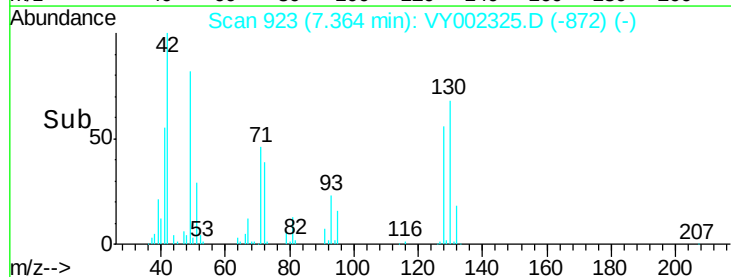
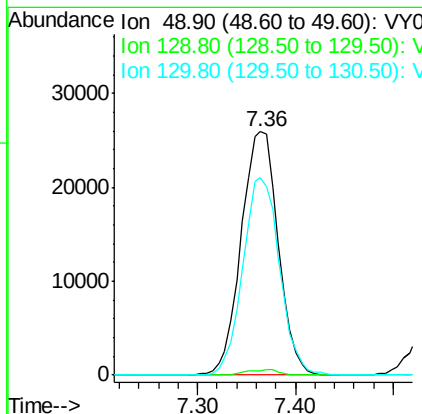
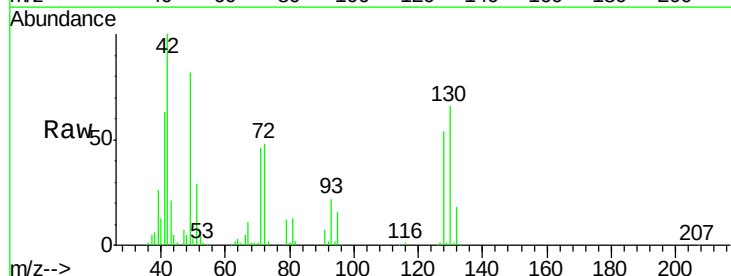
MMDadoda
 4/16/2020 10:32:03 AM

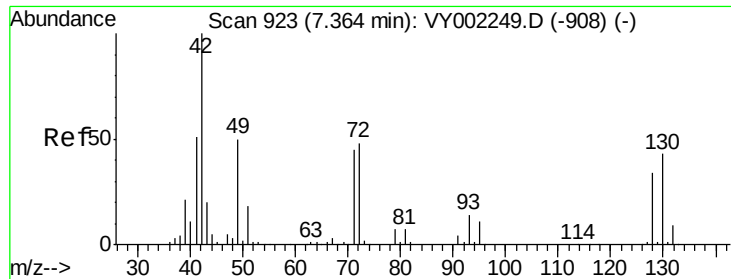


#28

Bromochloromethane
 Concen: 43.928 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.2	
130	80.6	60.9	91.3	





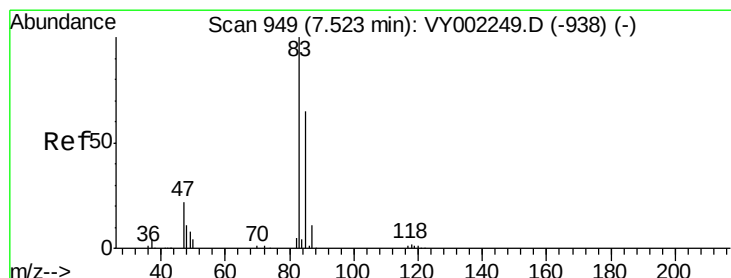
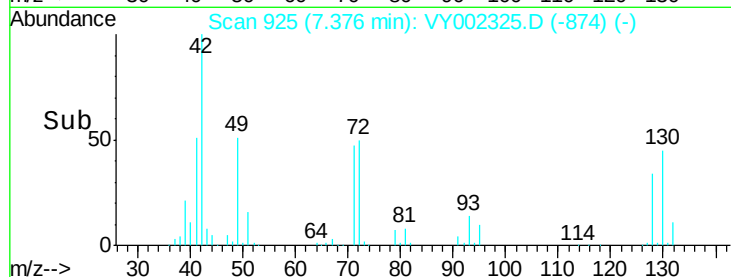
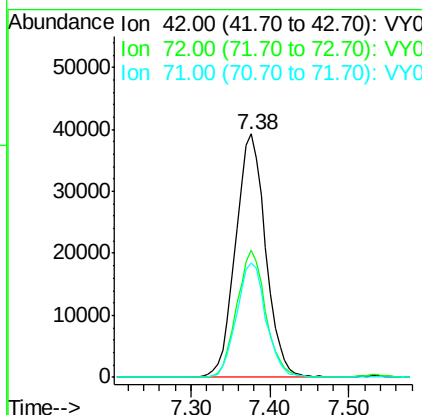
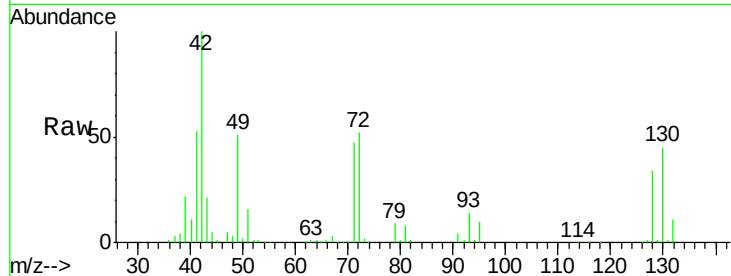
#29
Tetrahydrofuran
Concen: 211.013 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	36.7	55.1
71	46.1	34.7	52.1

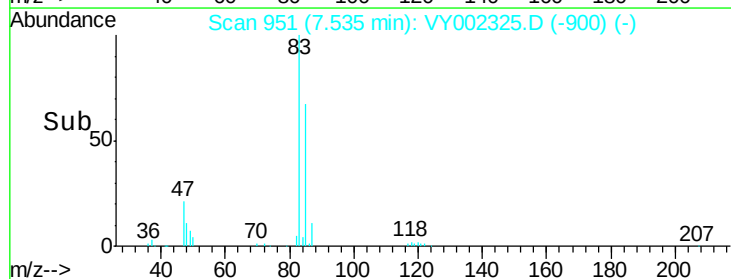
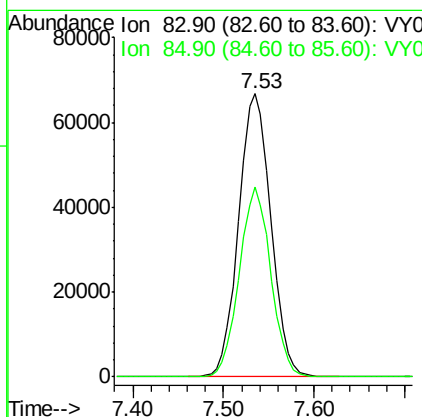
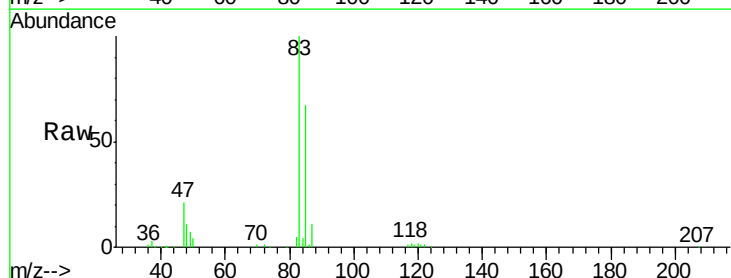
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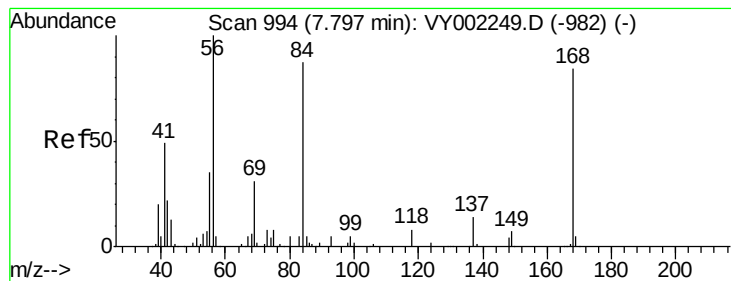
MMDadoda
4/16/2020 10:32:03 AM



#30
Chloroform
Concen: 48.534 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.0	78.0





#31

Cyclohexane

Concen: 45.784 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 172902

Ion Ratio Lower Upper

56 100

69 32.3 25.0 37.6

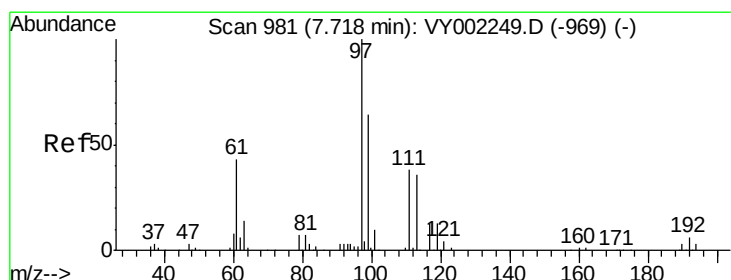
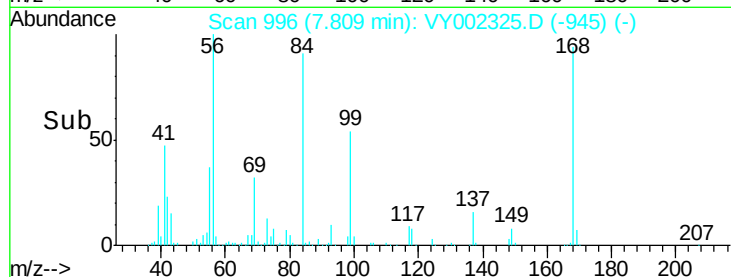
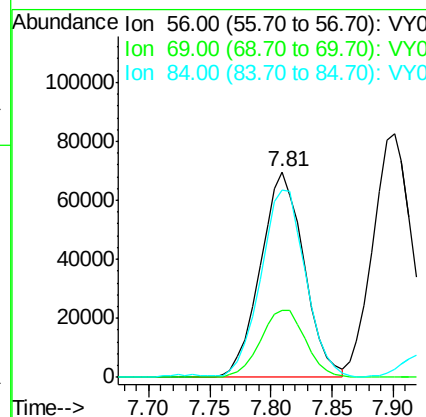
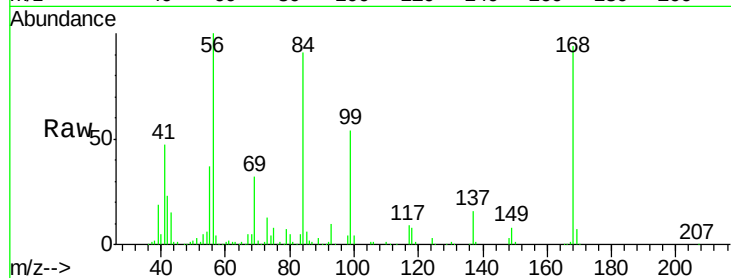
84 89.9 69.7 104.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 49.418 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

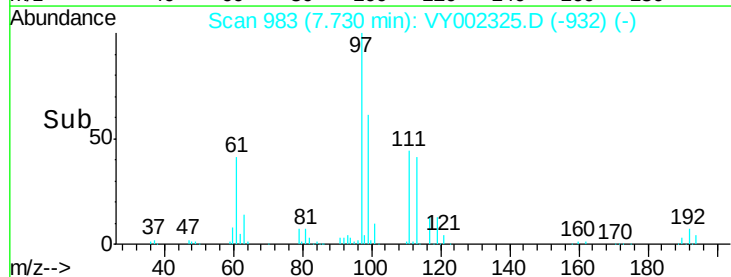
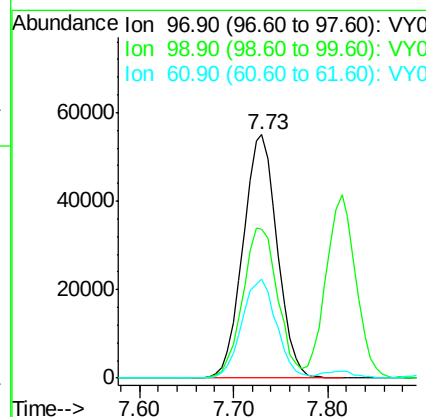
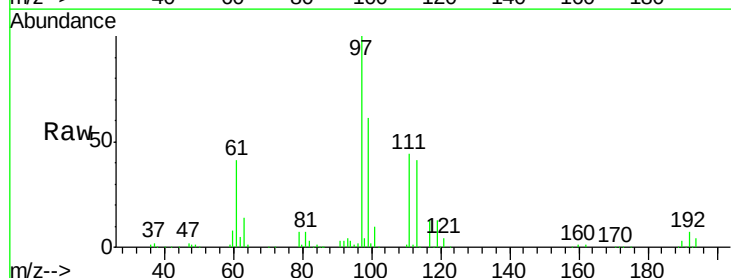
Tgt Ion: 97 Resp: 139496

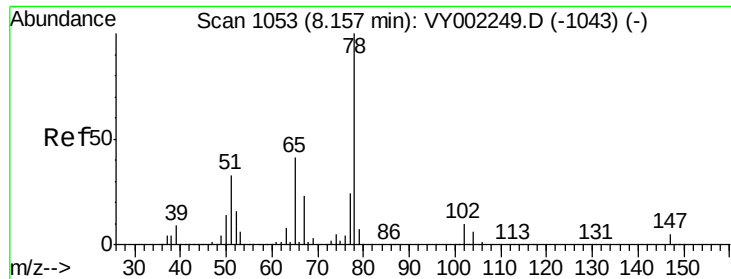
Ion Ratio Lower Upper

97 100

99 63.2 51.3 76.9

61 41.1 34.3 51.5





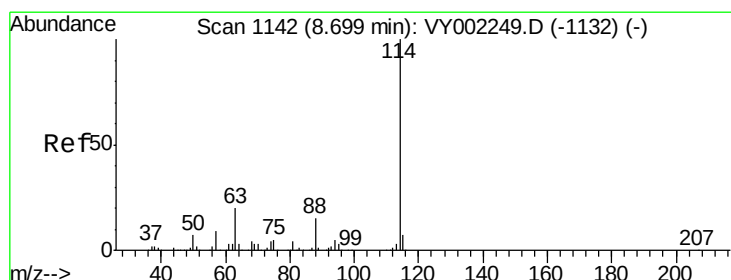
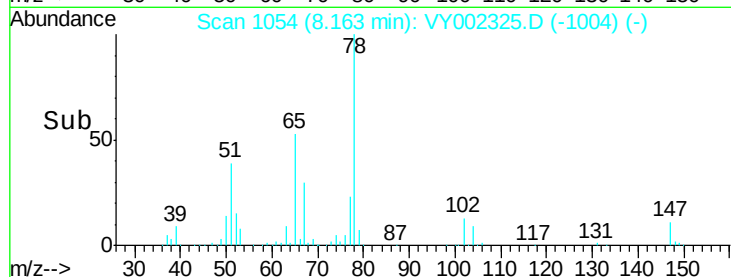
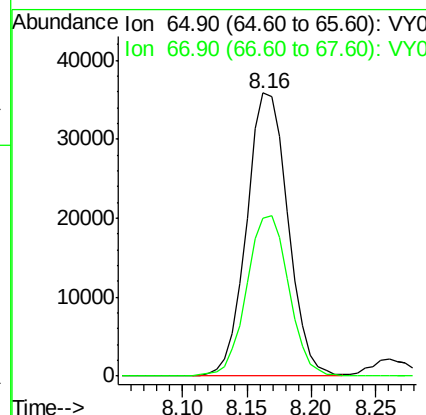
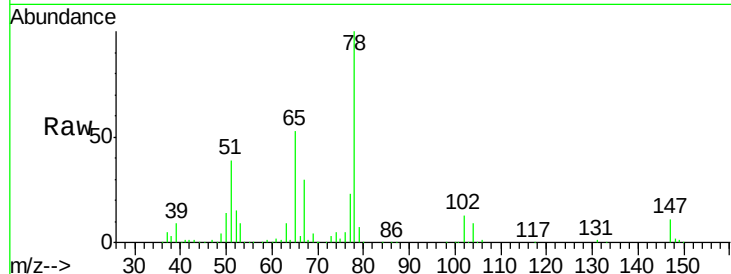
#33
 1,2-Dichloroethane-d4
 Concen: 44.376 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.7	0.0	114.0

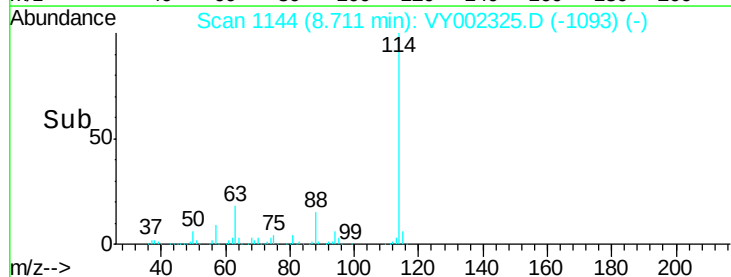
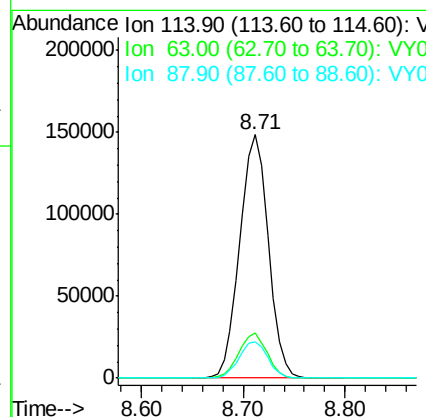
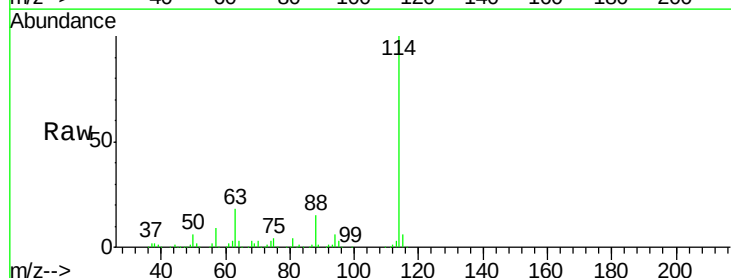
Manual Integrations
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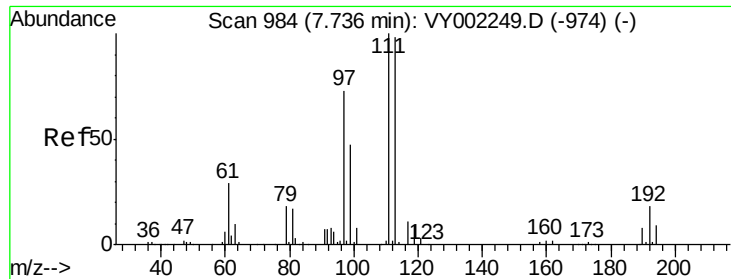
MMDadoda
 4/16/2020 10:32:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	39.0
88	14.7	0.0	31.0





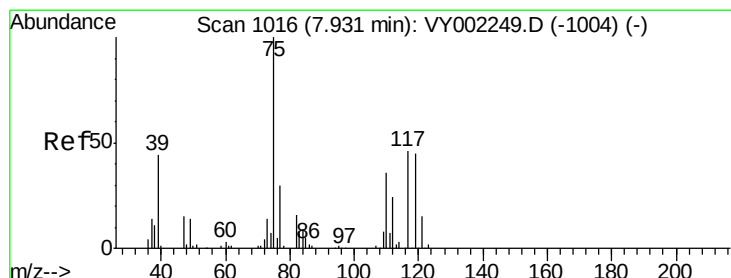
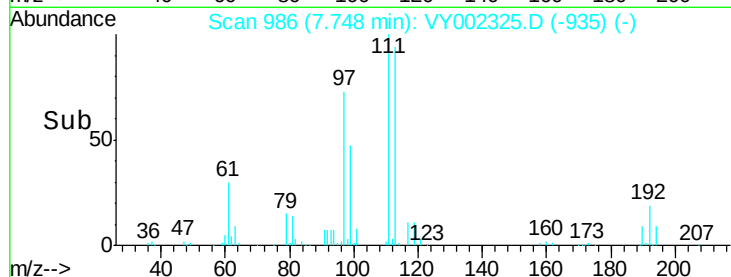
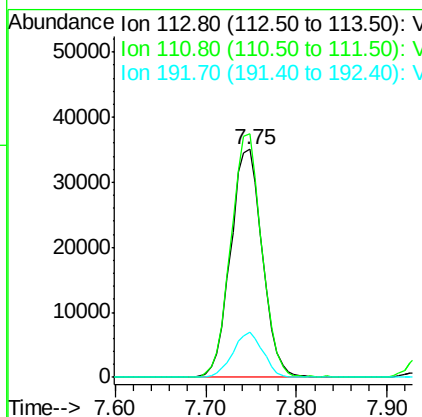
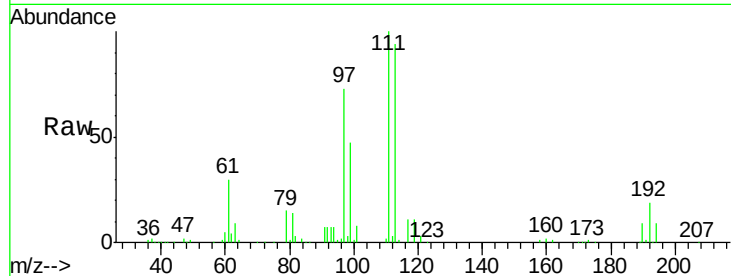
#35
 Dibromofluoromethane
 Concen: 49.557 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85150		
111	103.7	83.5	125.3	
192	18.9	14.7	22.1	

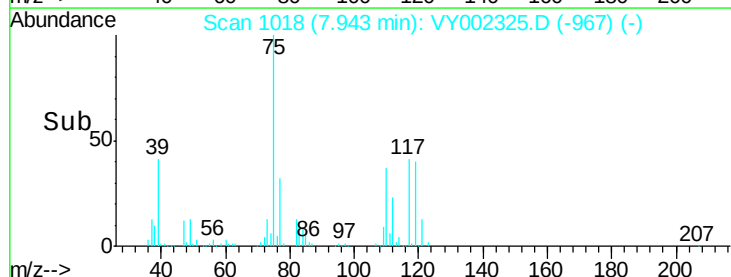
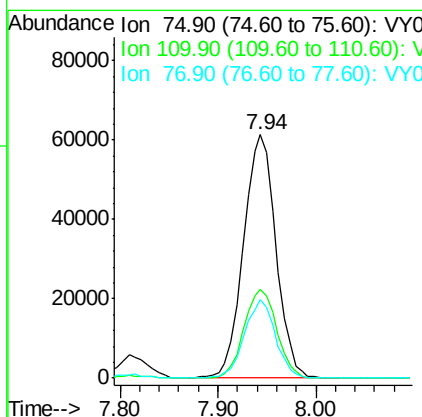
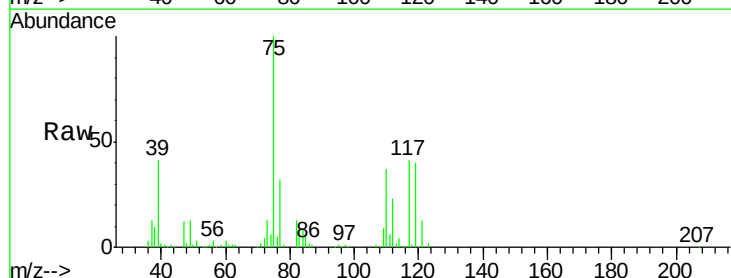
Manual Integrations
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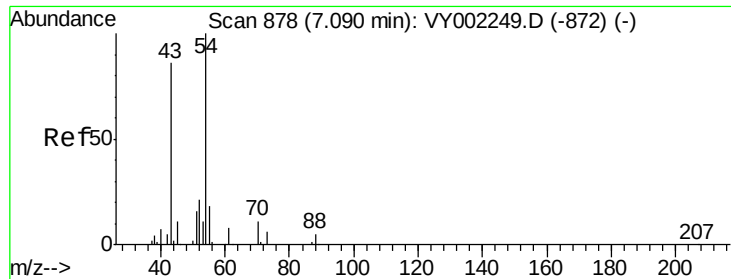
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#36
 1,1-Dichloropropene
 Concen: 49.585 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141032		
110	36.8	17.8	53.3	
77	31.0	24.4	36.6	





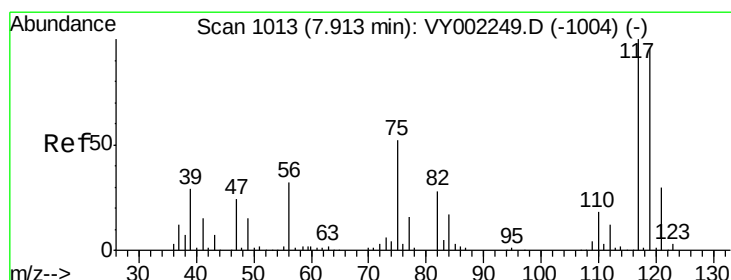
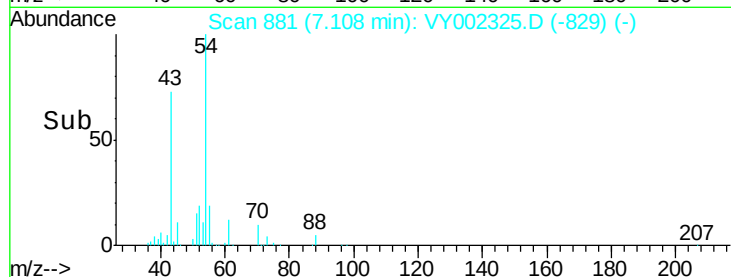
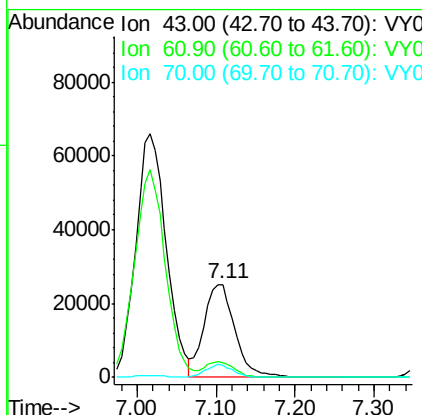
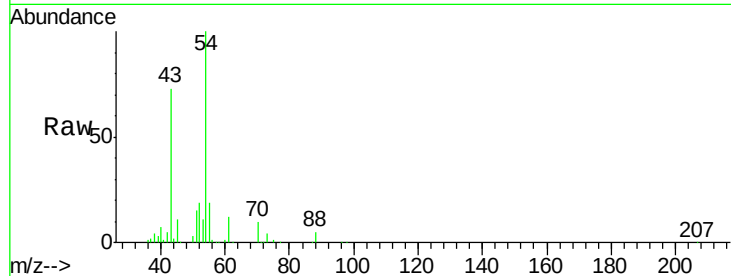
#37
Ethyl Acetate
Concen: 42.559 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.02 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	11.8	17.6
70	12.3	9.1	13.7

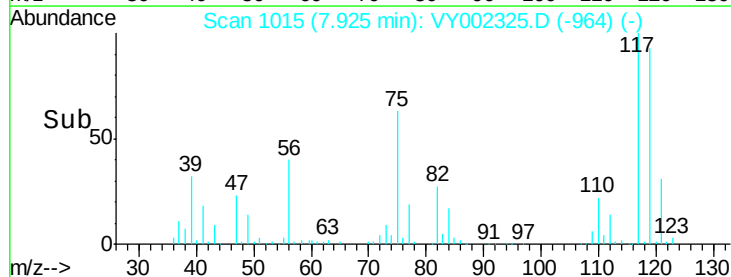
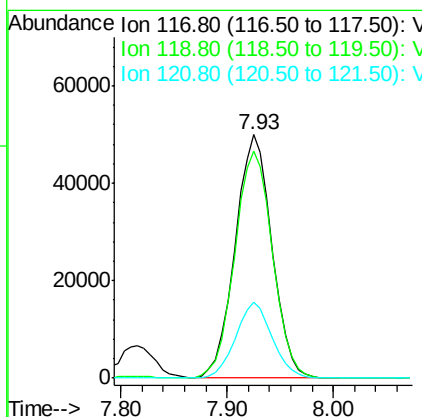
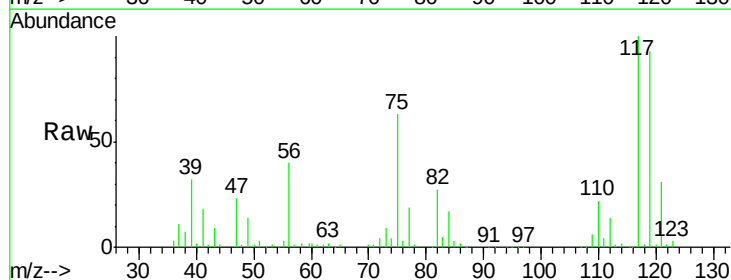
Manual Integrations
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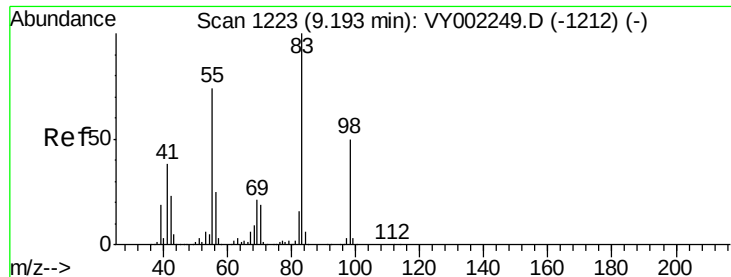
MMDadoda
4/16/2020 10:32:03 AM



#38
Carbon Tetrachloride
Concen: 49.752 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.1	115.7
121	31.4	23.9	35.9





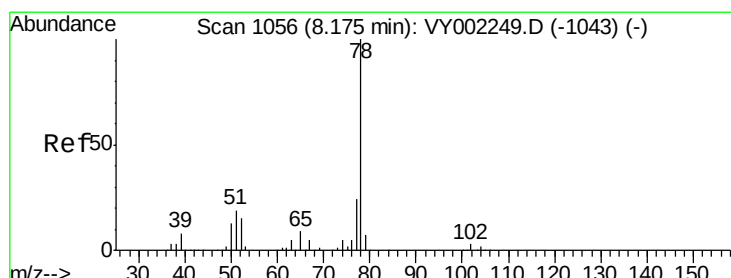
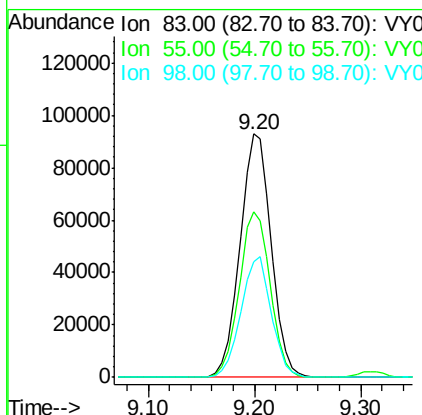
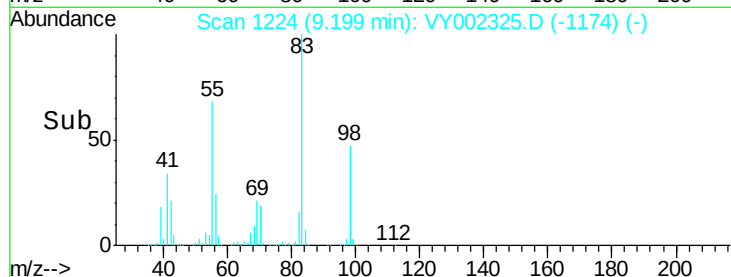
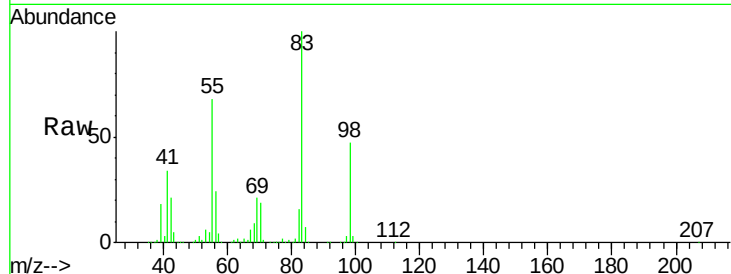
#39
Methylvlcyclohexane
Concen: 49.317 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	190809		
55	67.9		59.3	88.9
98	47.3		39.6	59.4

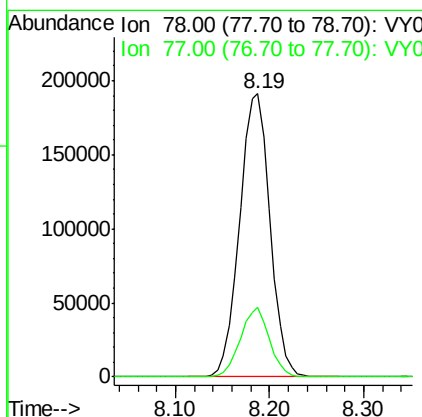
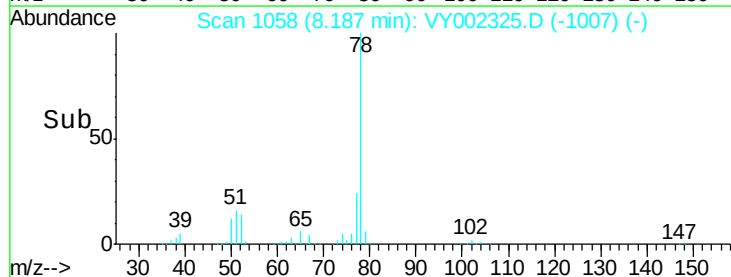
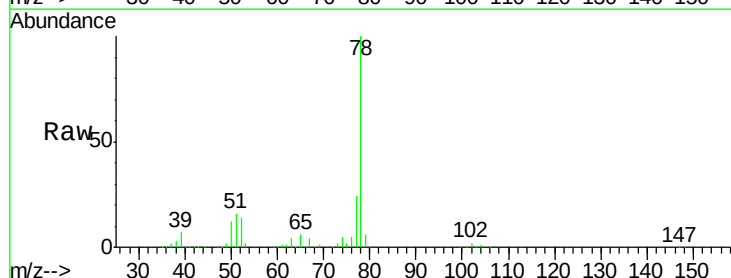
Manual Integrations
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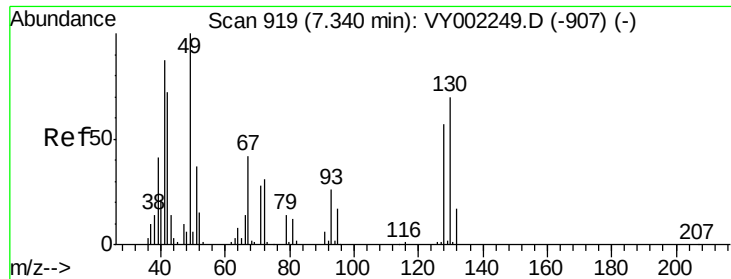
MMDadoda
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#40
Benzene
Concen: 49.921 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	430793		
77	24.4		18.9	28.3





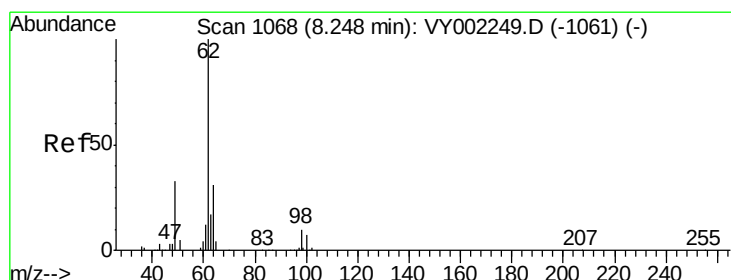
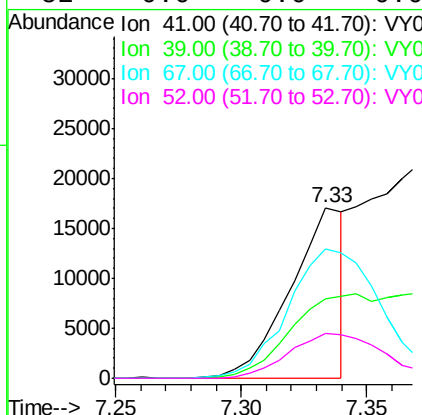
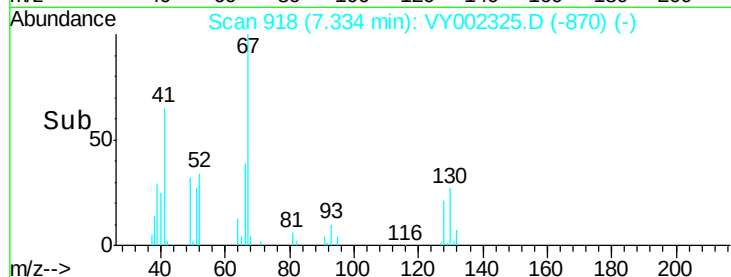
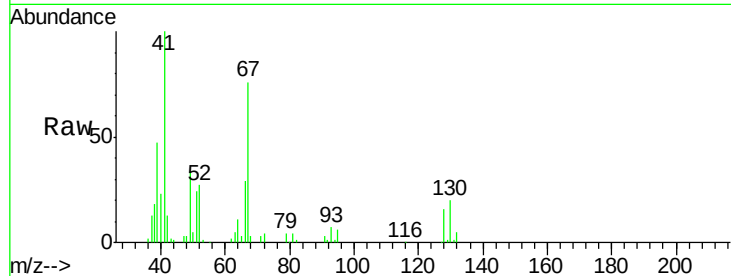
#41
Methacrylonitrile
Concen: 26.960 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp:	25842
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

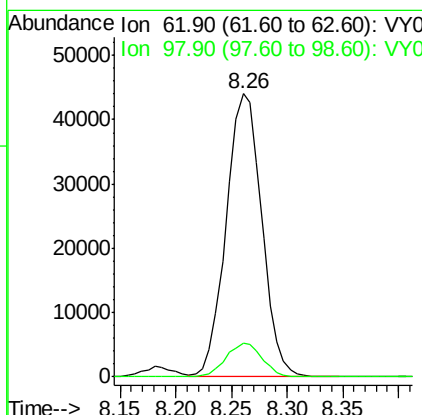
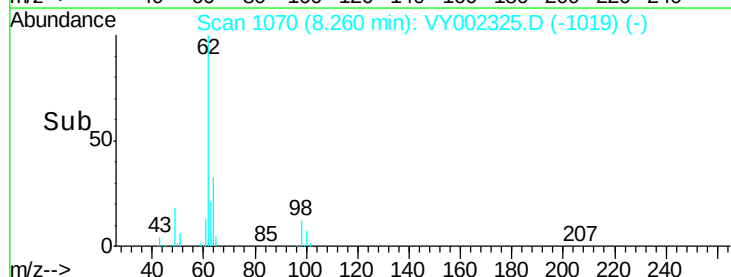
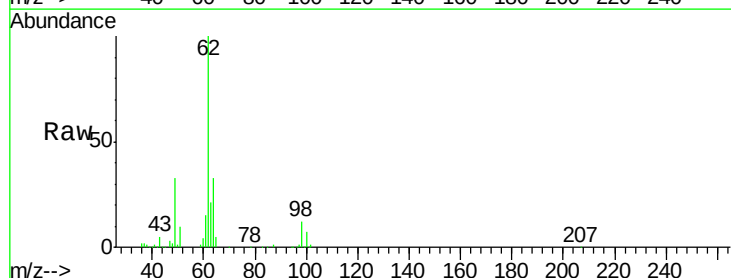
Manual Integrations
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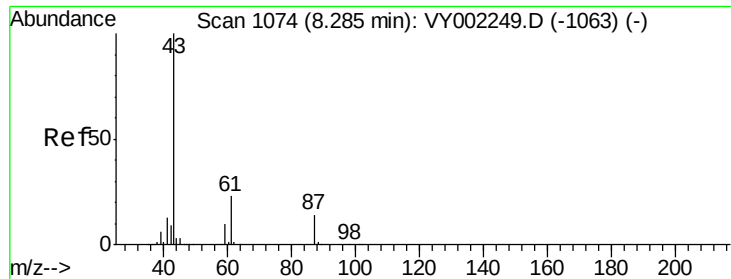
MMDadoda
4/16/2020 10:32:03 AM



#42
1,2-Dichloroethane
Concen: 45.649 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	62	Resp:	97580
Ion	Ratio	Lower	Upper
62	100		
98	12.0	0.0	22.6





#43

Isopropyl Acetate

Concen: 43.308 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

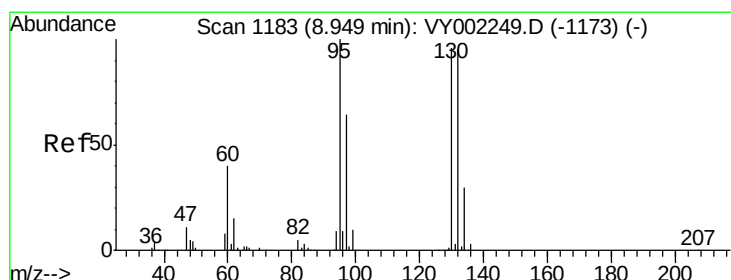
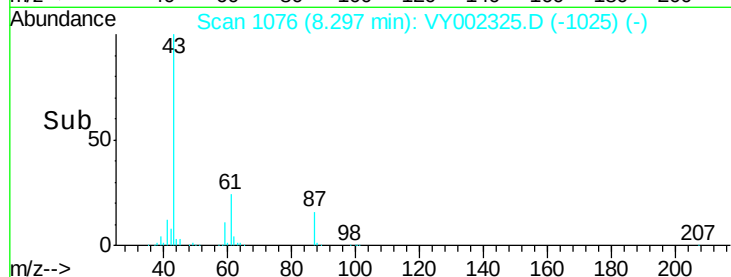
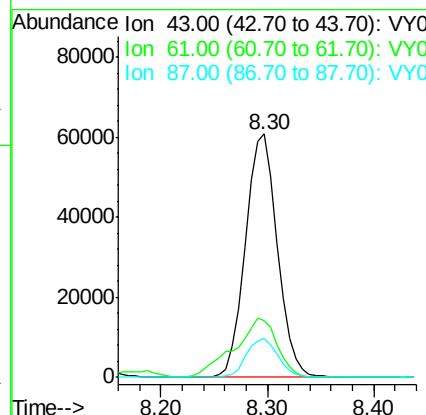
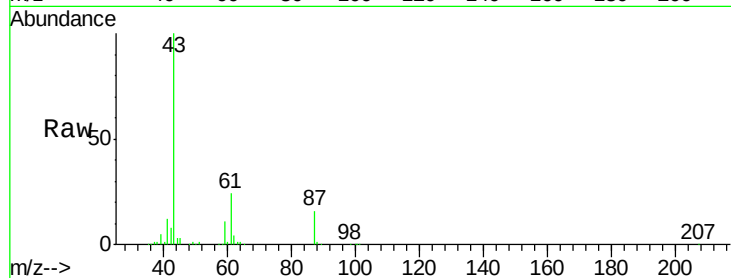
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	128338
Ion	Ratio	Lower	Upper
43	100		
61	32.7	24.9	37.3
87	15.8	11.7	17.5

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#44

Trichloroethene

Concen: 48.698 ug/l

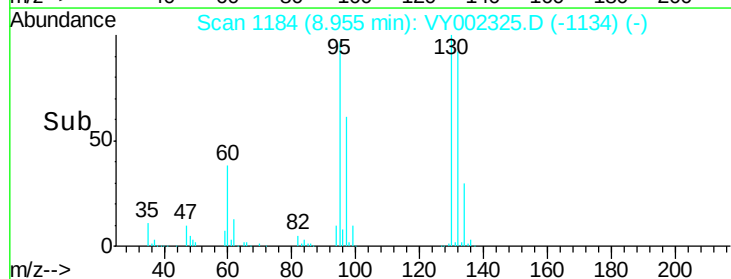
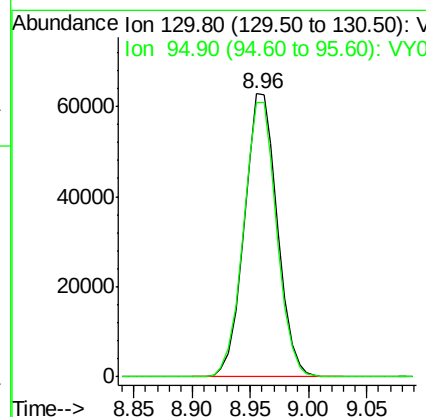
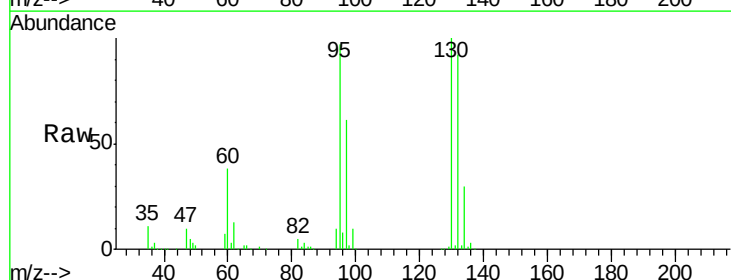
RT: 8.96 min Scan# 1184

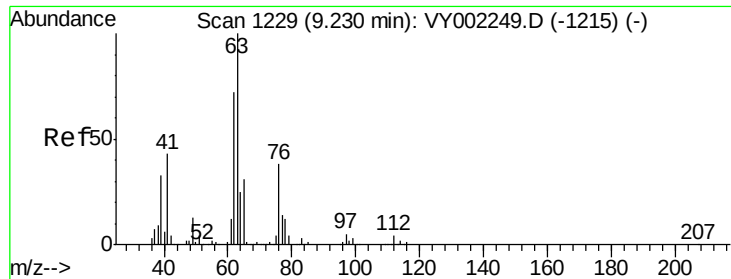
Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Tgt Ion:	130	Resp:	123552
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	208.2





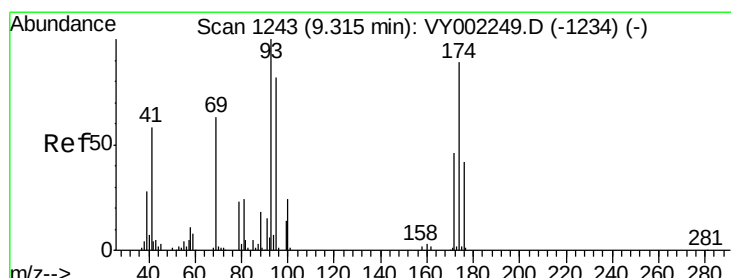
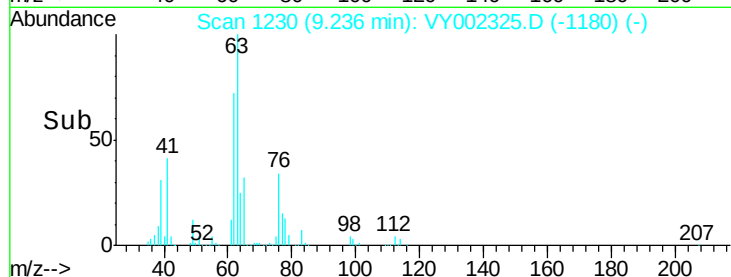
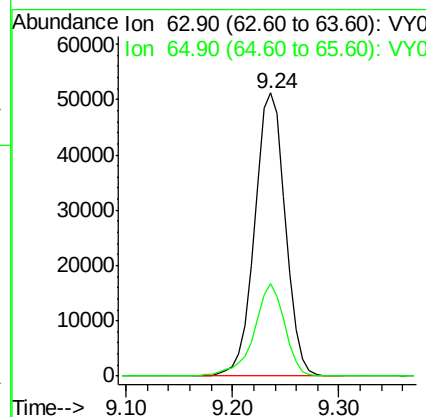
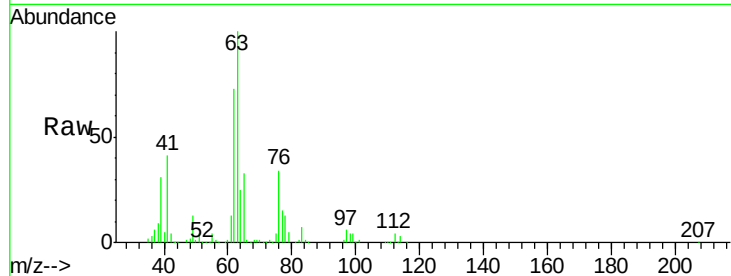
#45
 1,2-Dichloropropane
 Concen: 48.336 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.6	37.0

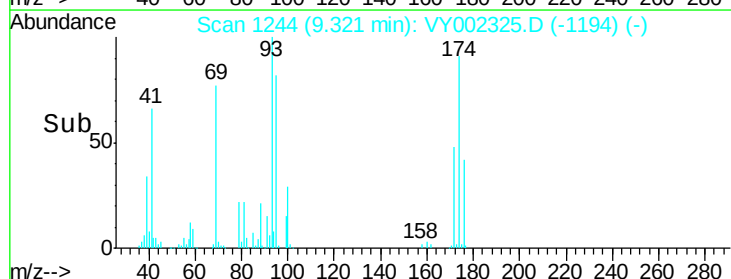
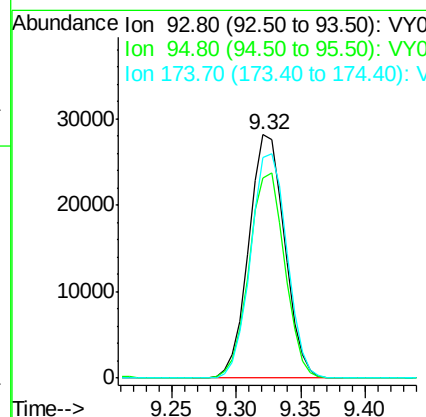
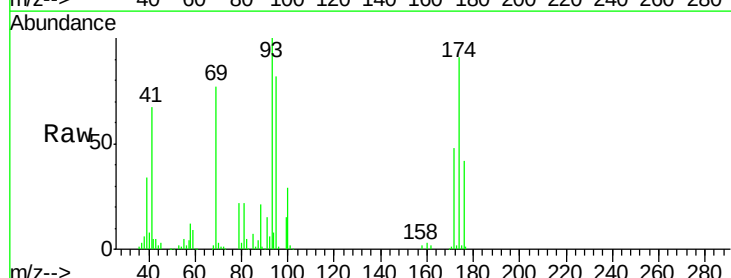
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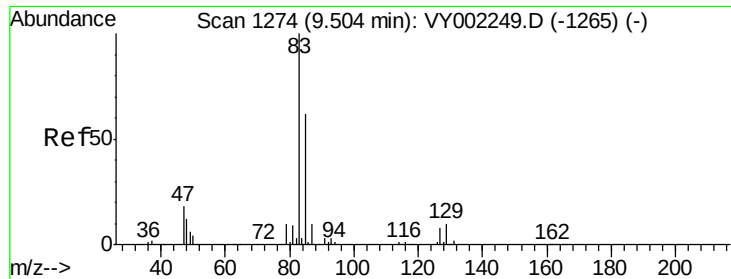
MMDadoda
 4/16/2020 10:32:03 AM



#46
 Dibromomethane
 Concen: 48.382 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.3	100.9
174	93.5	72.5	108.7





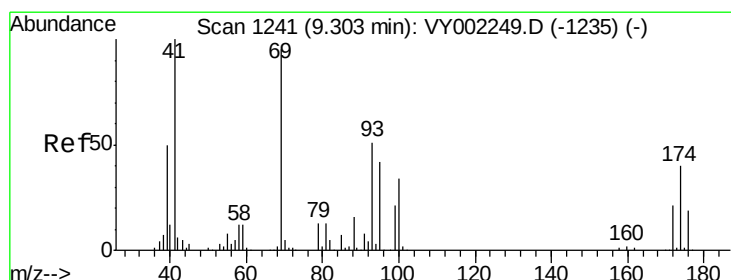
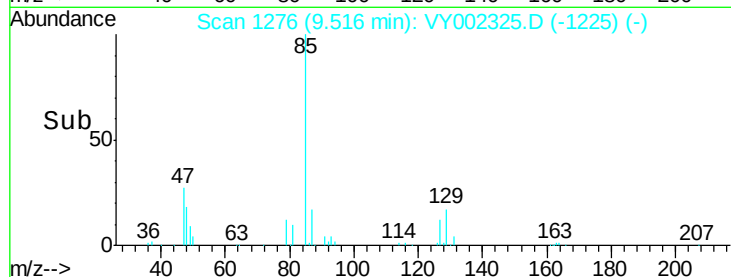
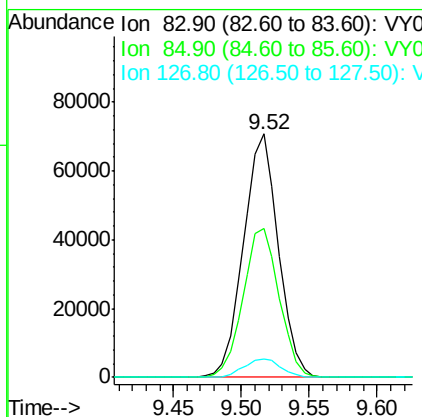
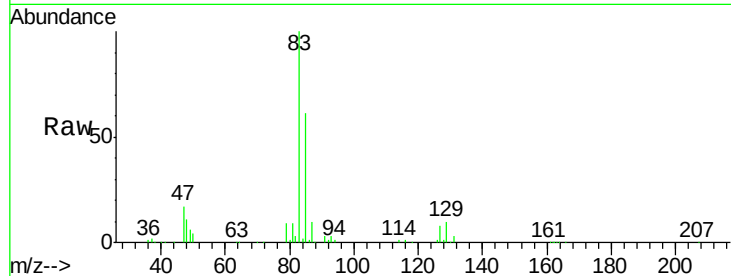
#47
Bromodichloromethane
Concen: 49.517 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.2	49.7	74.5
127	7.6	6.2	9.4

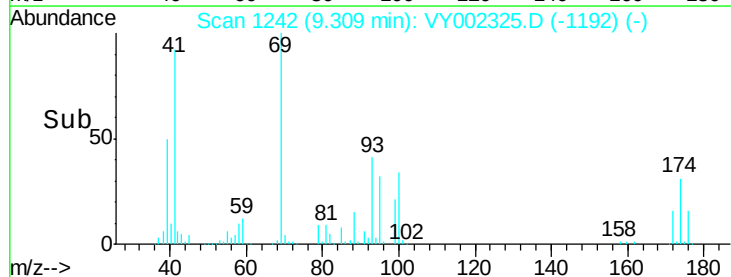
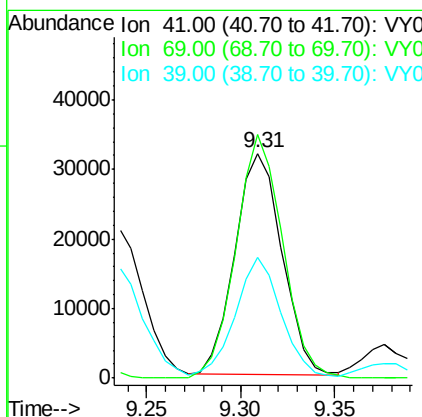
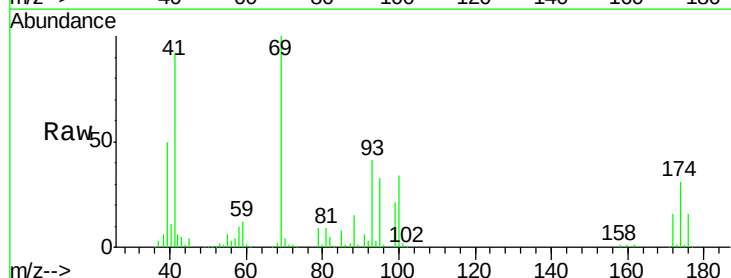
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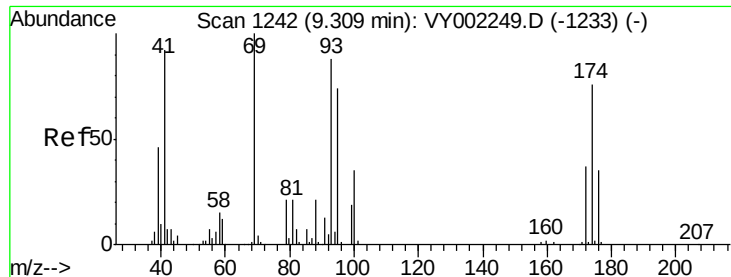
MMDadoda
4/16/2020 10:32:03 AM



#48
Methyl methacrylate
Concen: 41.402 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	109.4	76.7	115.1
39	51.5	40.5	60.7





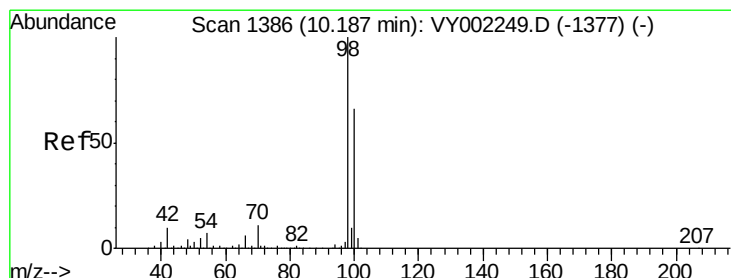
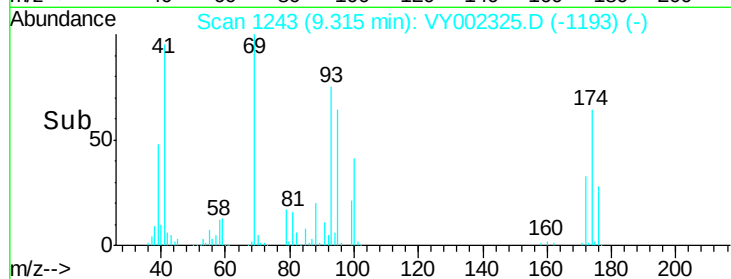
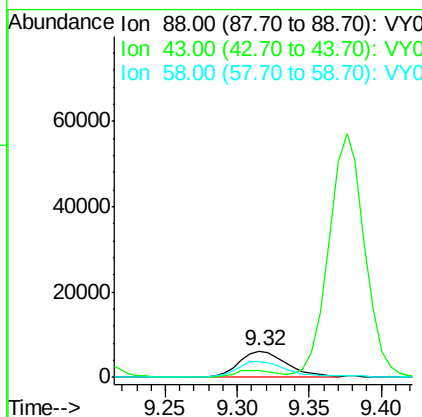
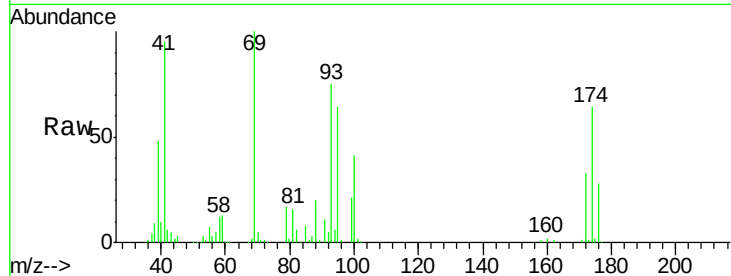
#49
1,4-Dioxane
Concen: 893.095 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.6	22.2	33.2
58	62.7	57.6	86.4

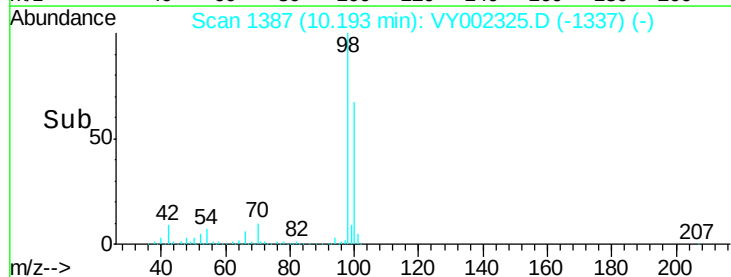
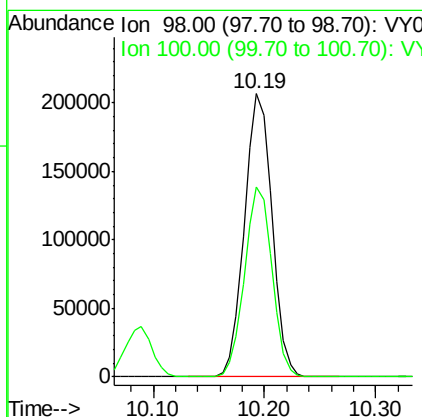
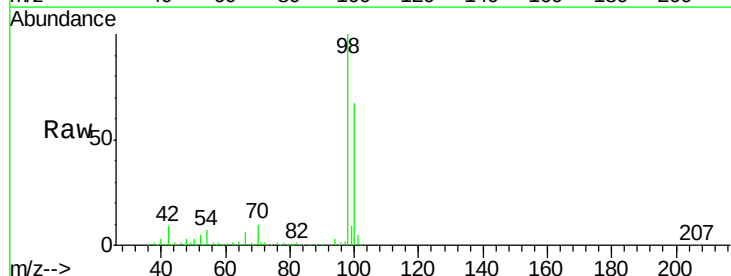
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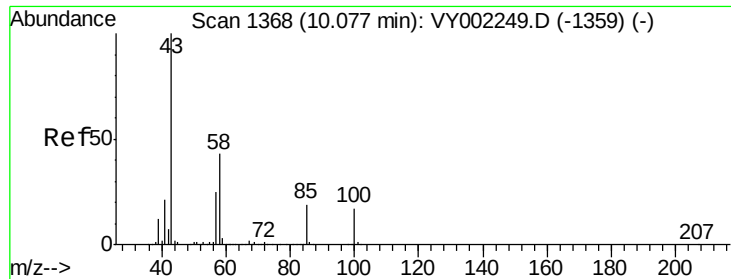
MMDadoda
4/16/2020 10:32:03 AM



#50
Toluene-d8
Concen: 49.606 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.6	78.8





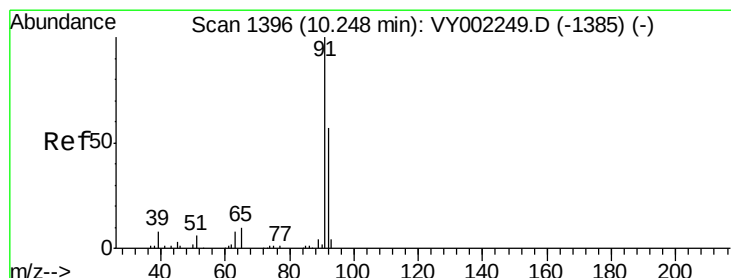
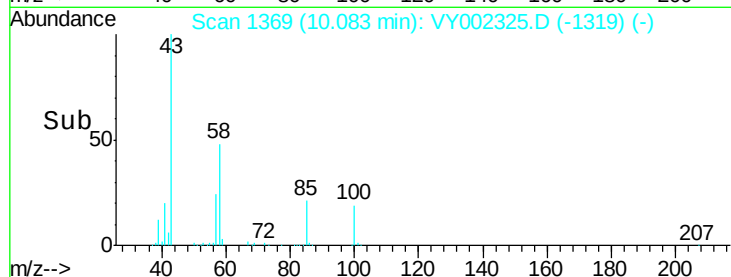
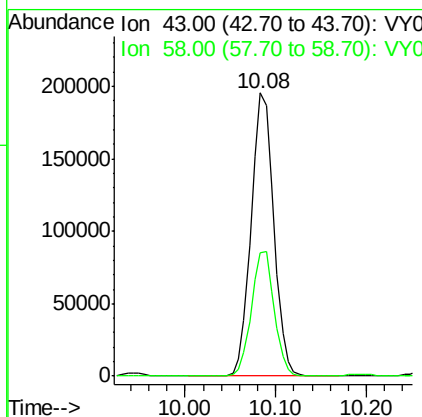
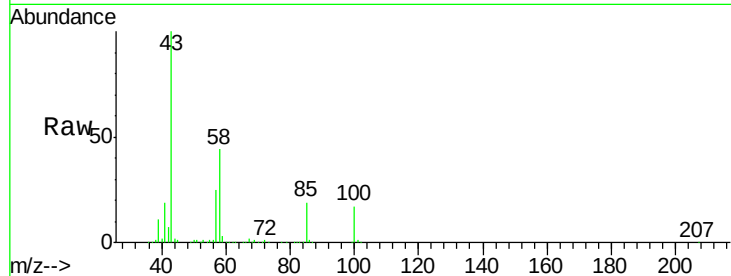
#51
4-Methyl-2-Pentanone
Concen: 219.627 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 339140
Ion Ratio Lower Upper
43 100
58 44.3 33.8 50.8

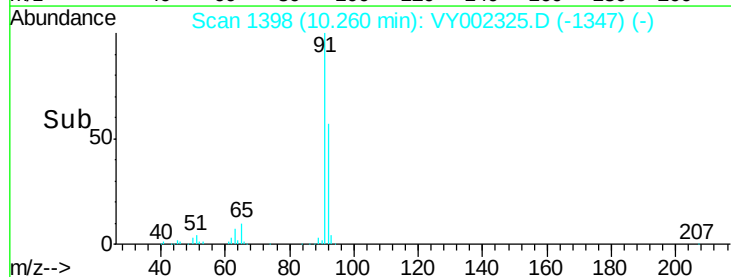
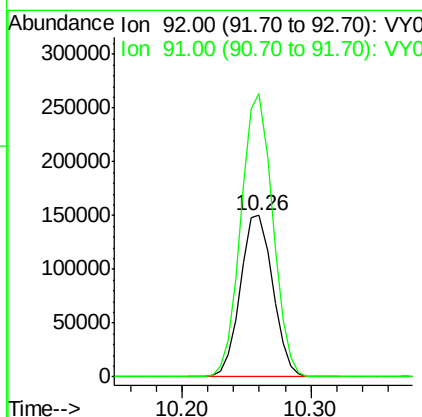
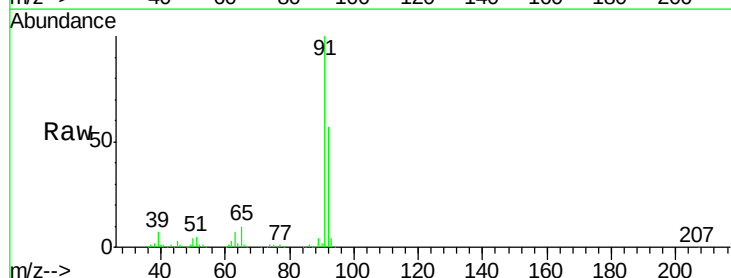
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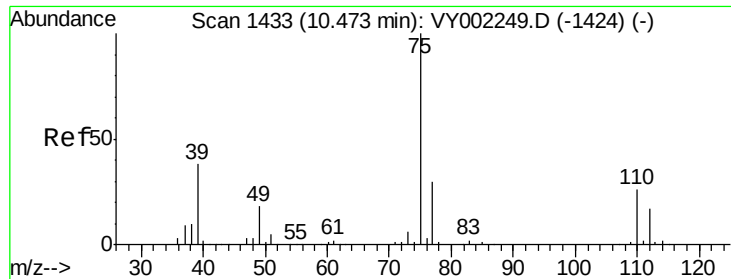
MMDadoda
4/16/2020 10:32:03 AM



#52
Toluene
Concen: 50.434 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion: 92 Resp: 262283
Ion Ratio Lower Upper
92 100
91 171.4 139.0 208.6





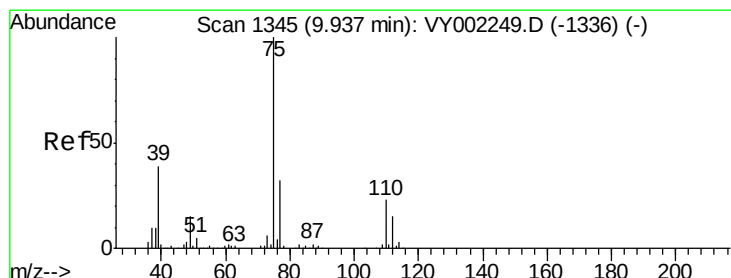
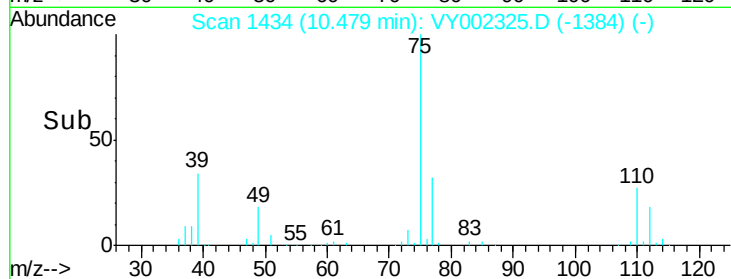
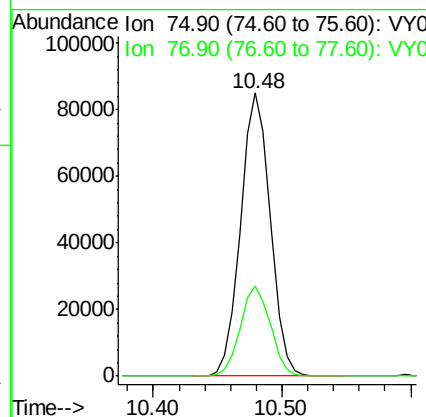
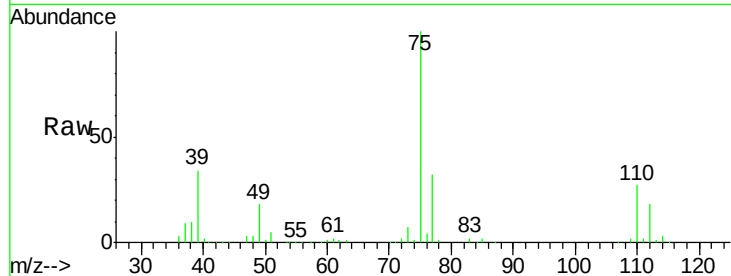
#53
t-1,3-Dichloropropene
Concen: 48.307 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 135198
Ion Ratio Lower Upper
75 100
77 31.6 24.2 36.2

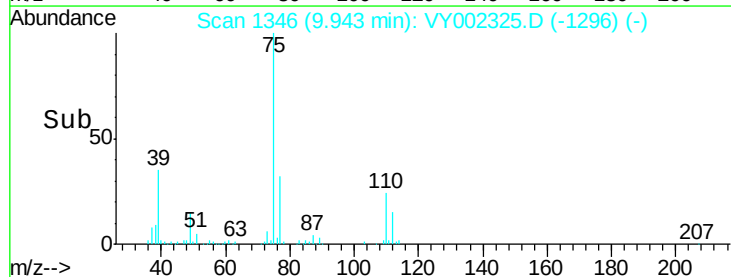
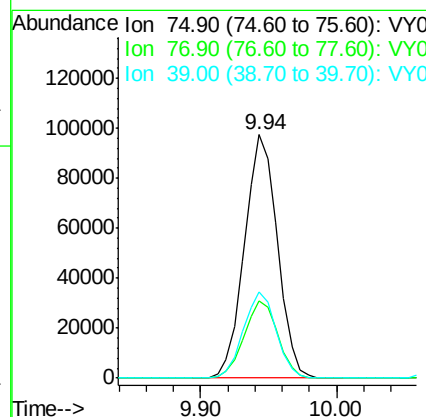
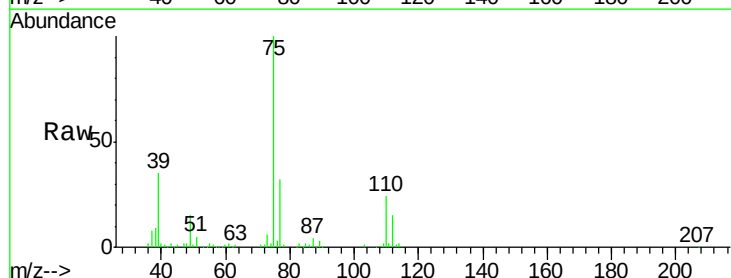
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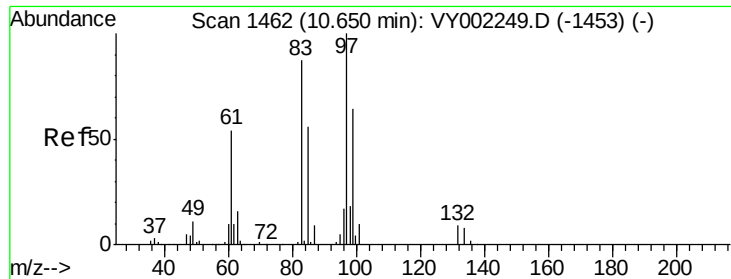
MMDadoda
4/16/2020 10:32:03 AM



#54
cis-1,3-Dichloropropene
Concen: 49.081 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion: 75 Resp: 165144
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 35.3 30.8 46.2





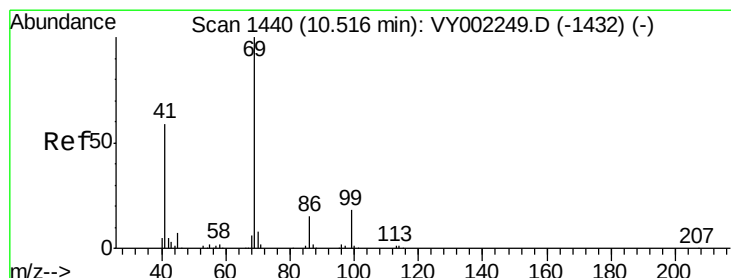
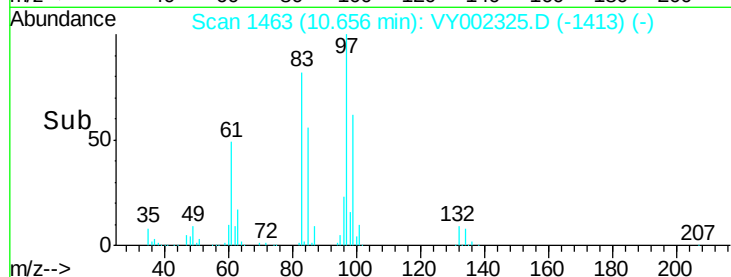
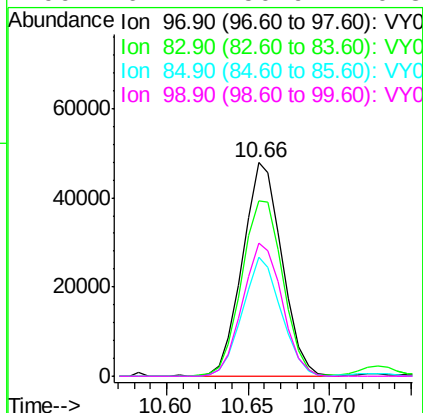
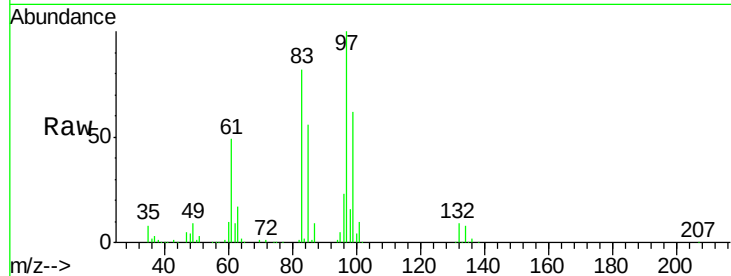
#55
 1,1,2-Trichloroethane
 Concen: 49.181 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	80608
Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.5	104.3
85	55.9	45.2	67.8
99	62.2	50.9	76.3

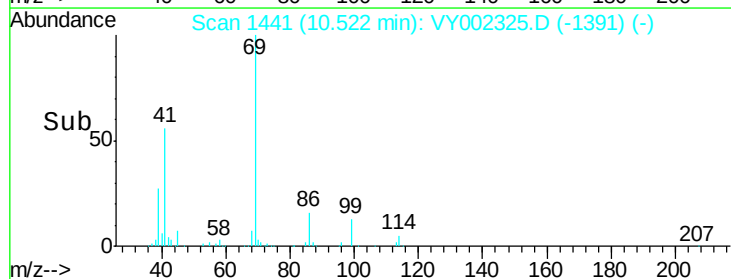
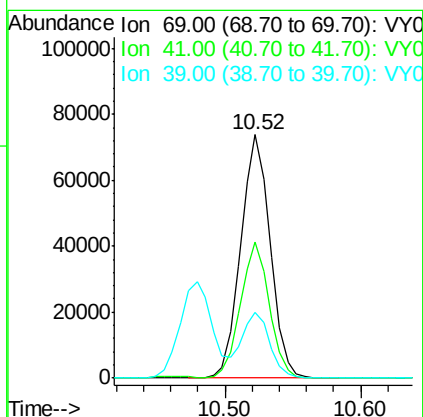
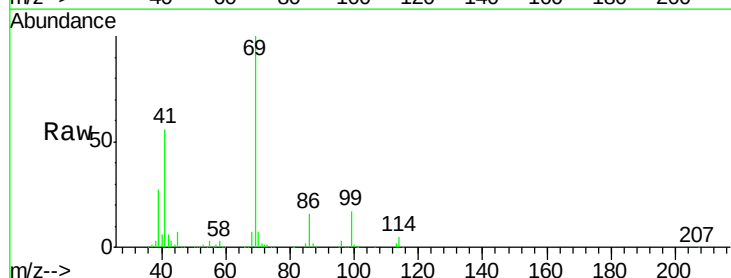
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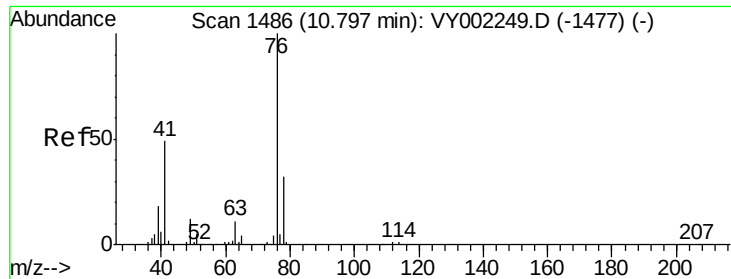
MMDadoda
 4/16/2020 10:32:03 AM



#56
 Ethyl methacrylate
 Concen: 47.672 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion:	69	Resp:	111517
Ion	Ratio	Lower	Upper
69	100		
41	54.1	47.9	71.9
39	25.3	23.8	35.6





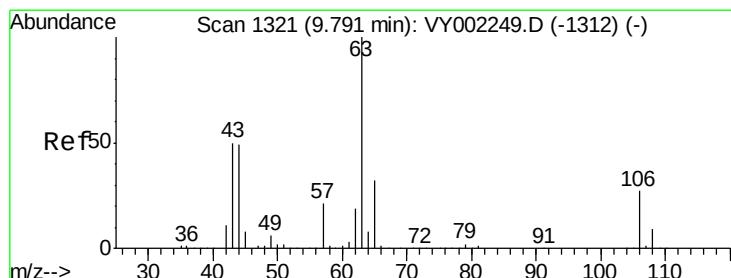
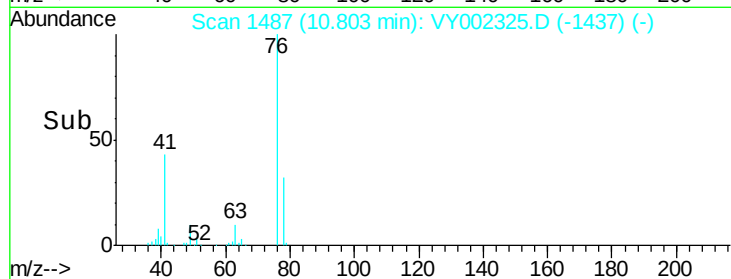
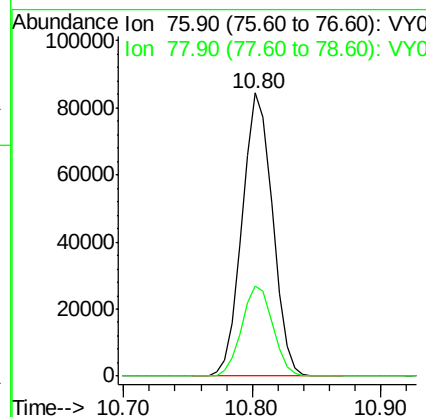
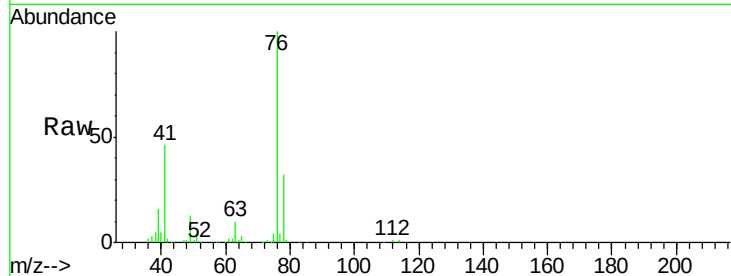
#57
 1,3-Dichloropropane
 Concen: 47.928 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

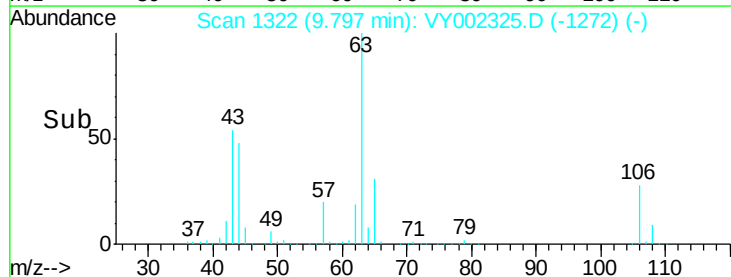
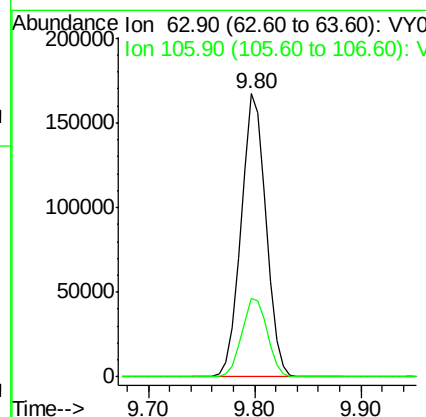
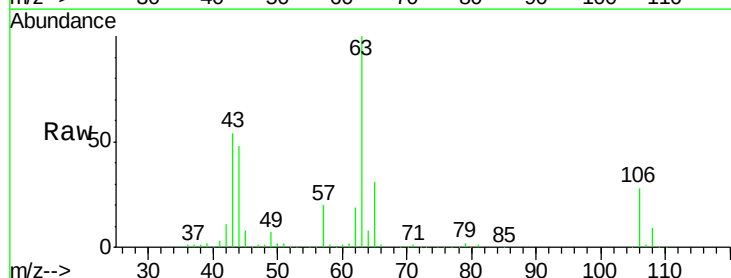
Manual Integrations
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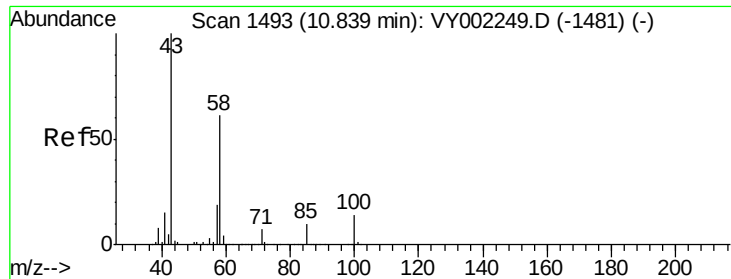
MMDadoda
 4/16/2020 10:32:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.066 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.2	33.2





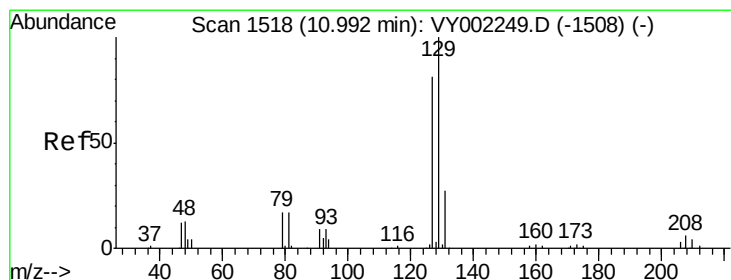
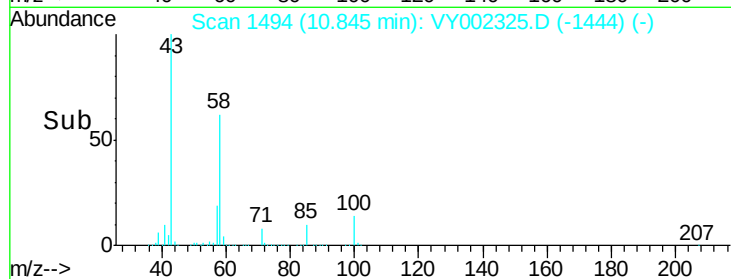
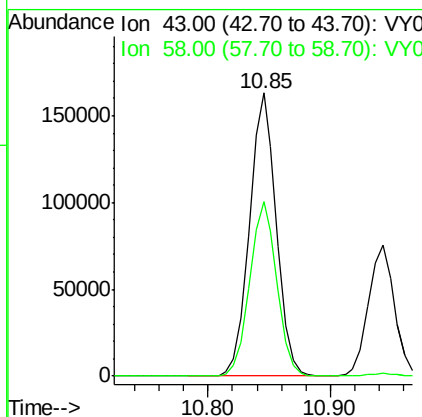
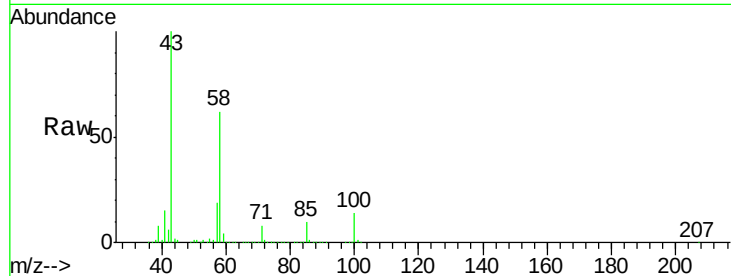
#59
2-Hexanone
Concen: 231.587 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 248190
Ion Ratio Lower Upper
43 100
58 62.5 29.8 89.3

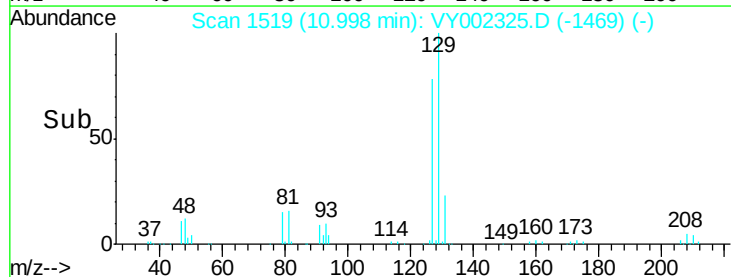
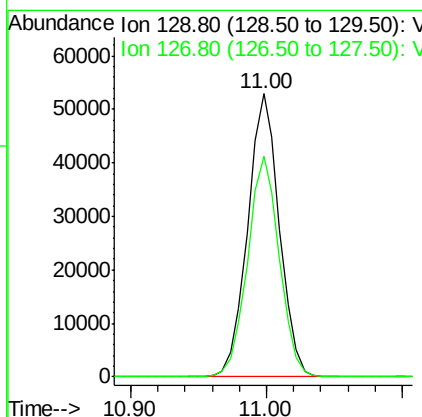
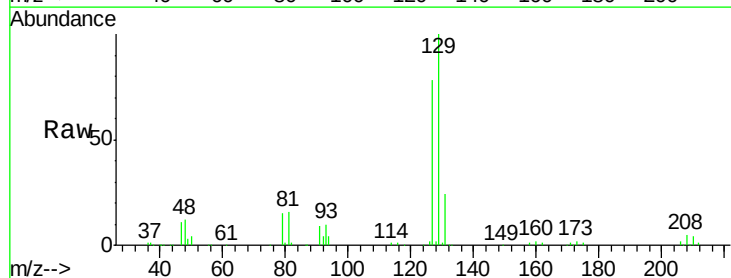
Manual Integrations
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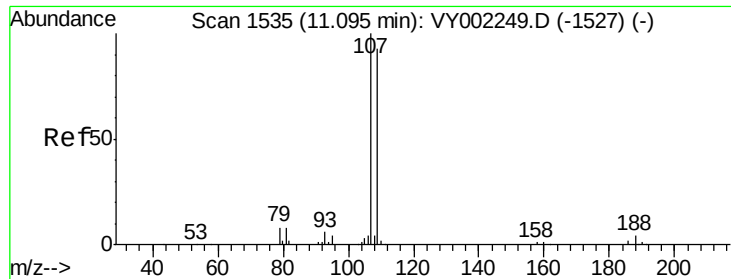
MMDadoda
4/16/2020 10:32:03 AM



#60
Dibromochloromethane
Concen: 49.206 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion: 129 Resp: 85996
Ion Ratio Lower Upper
129 100
127 78.3 39.0 117.0





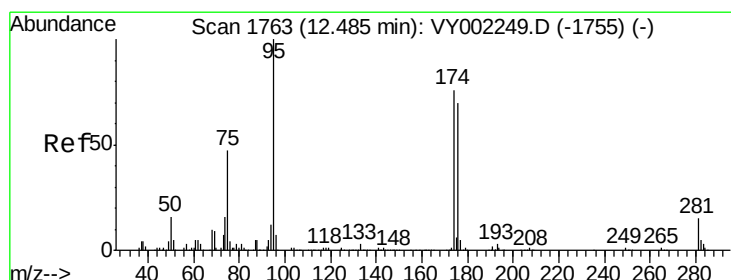
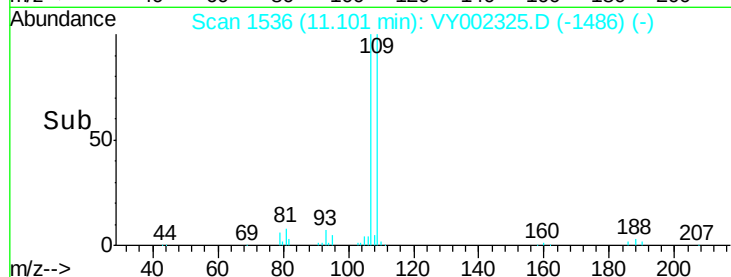
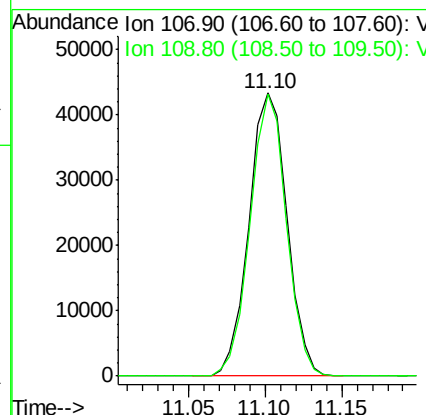
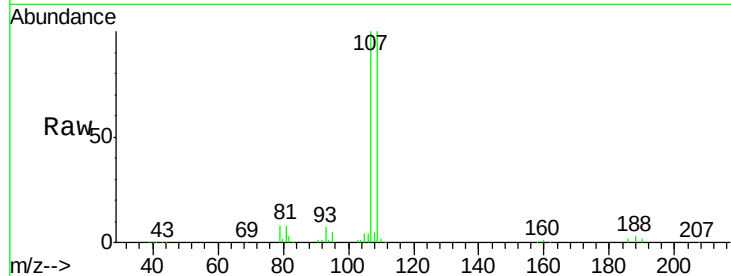
#61
 1,2-Dibromoethane
 Concen: 48.099 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.6	113.4

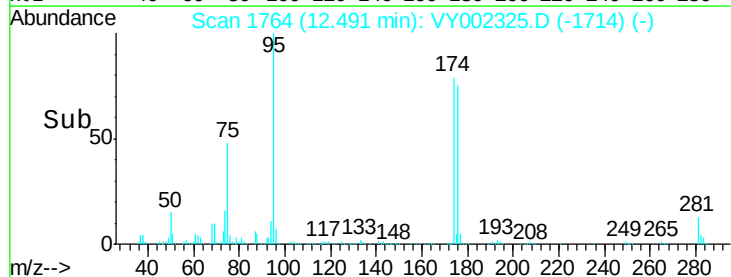
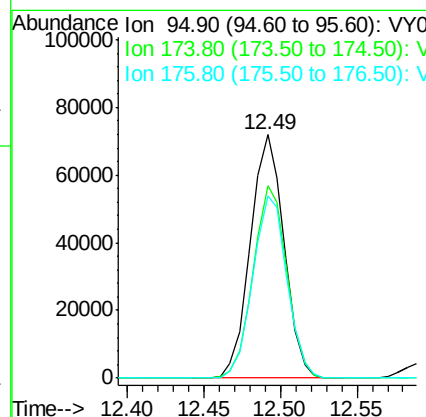
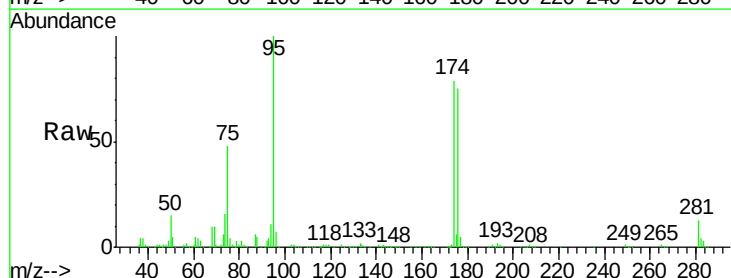
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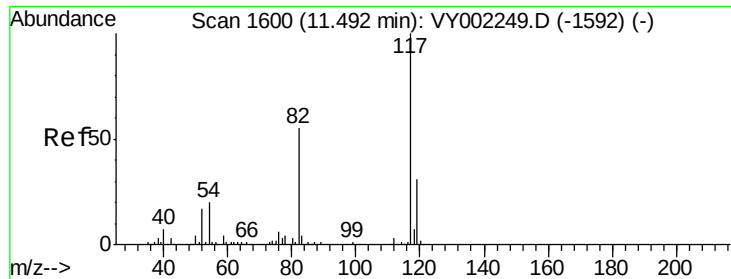
MMDadoda
 4/16/2020 10:32:03 AM



#62
 4-Bromofluorobenzene
 Concen: 46.308 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	150.6
176	75.9	0.0	141.4





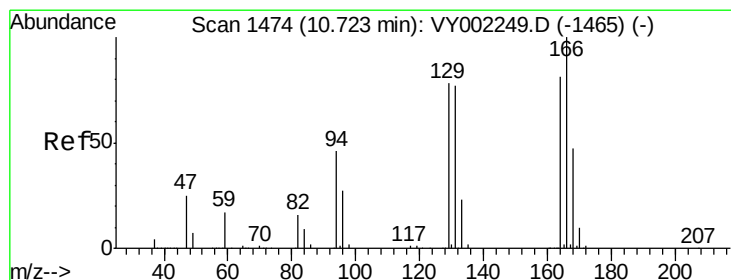
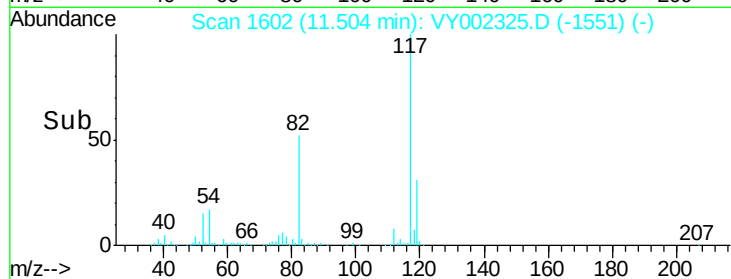
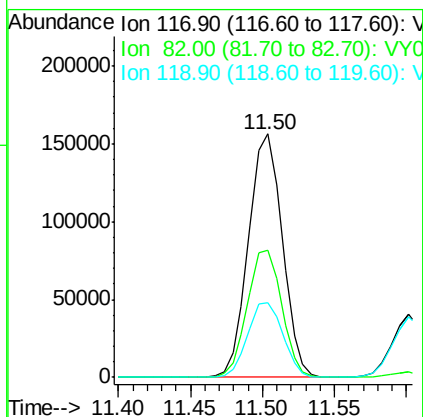
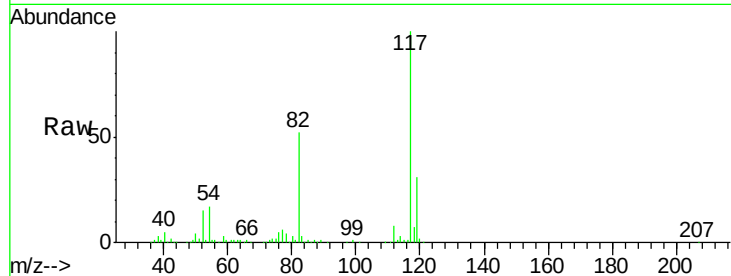
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254064		
82	52.1		44.2	66.4
119	30.8		25.1	37.7

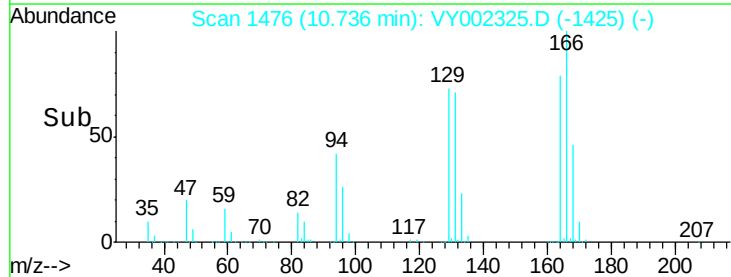
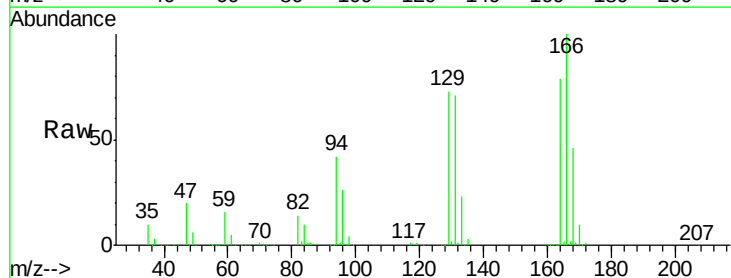
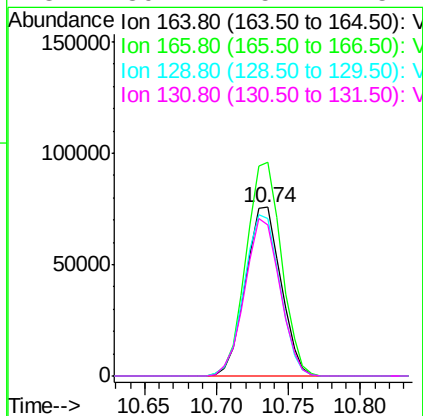
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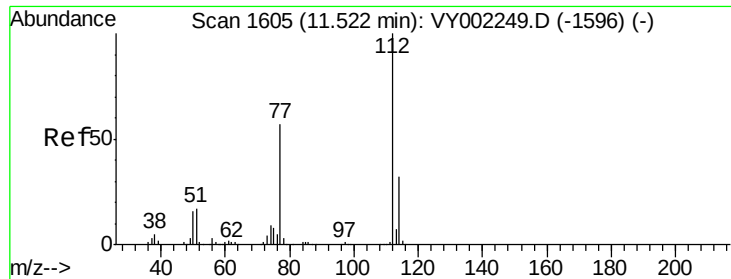
MMDadoda
4/16/2020 10:32:03 AM



#64
Tetrachloroethene
Concen: 50.277 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129145		
166	126.8		98.4	147.6
129	93.1		76.6	115.0
131	89.4		75.4	113.2





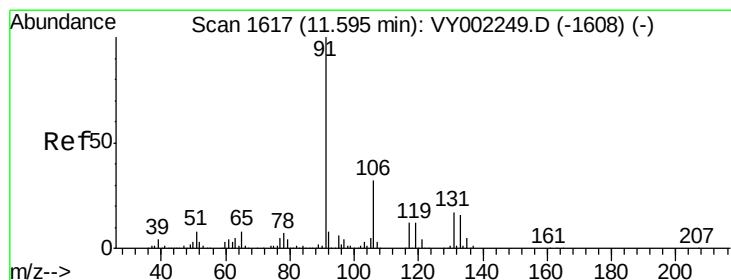
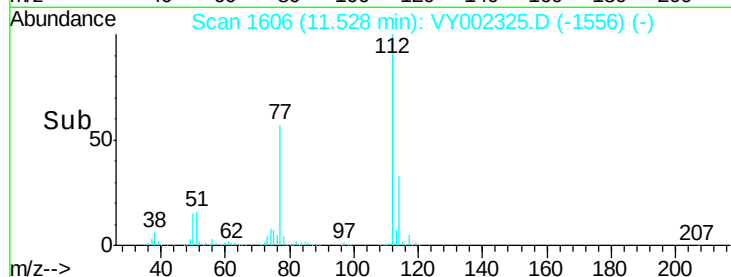
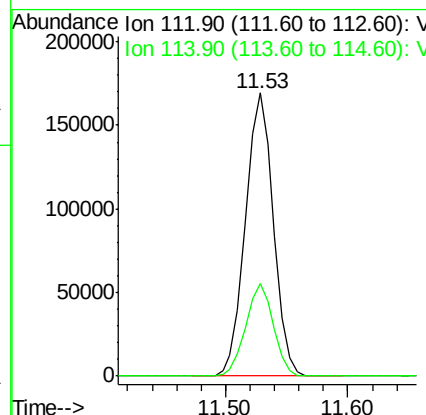
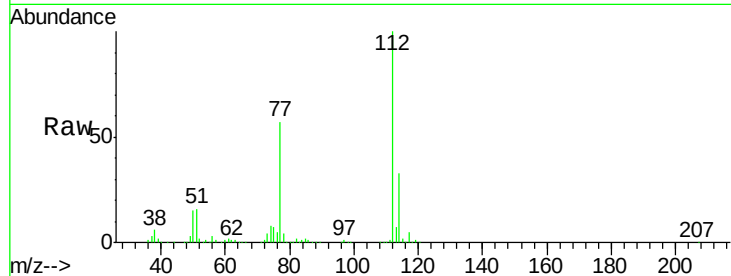
#65
Chlorobenzene
Concen: 50.719 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 267858
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4

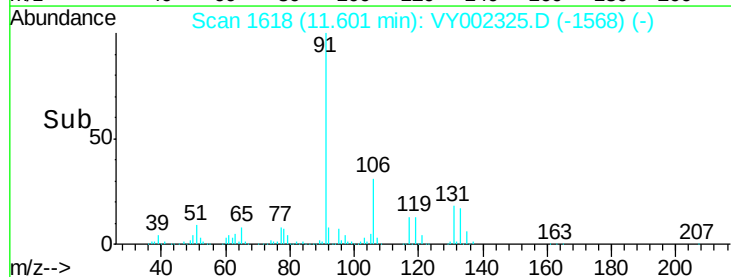
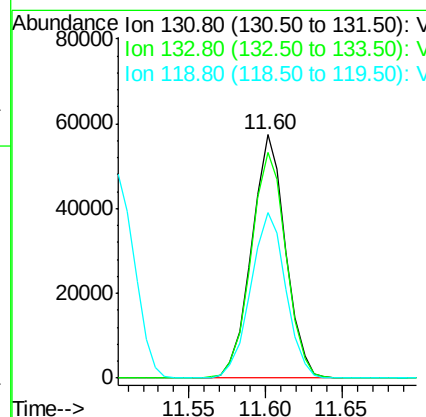
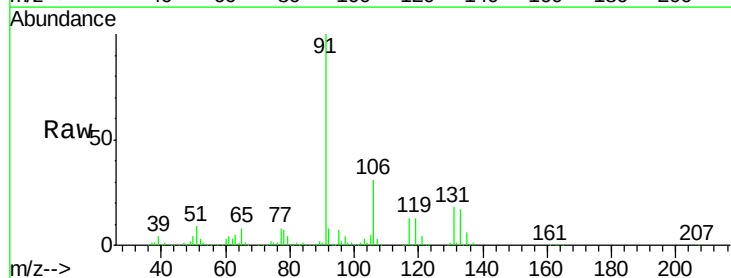
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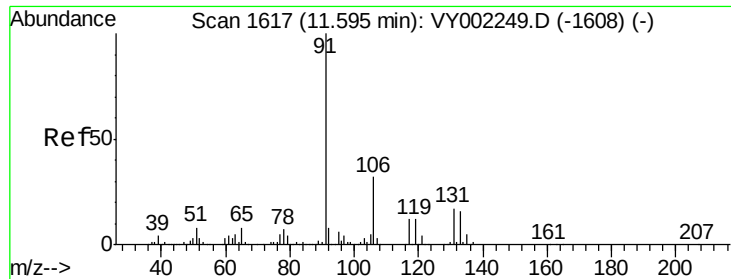
MMDadoda
4/16/2020 10:32:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.868 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion:131 Resp: 88696
Ion Ratio Lower Upper
131 100
133 95.8 46.5 139.3
119 70.3 34.5 103.6





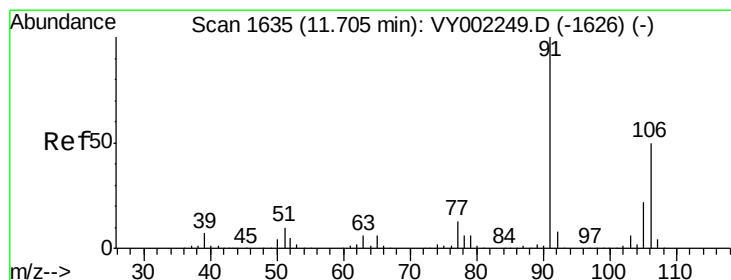
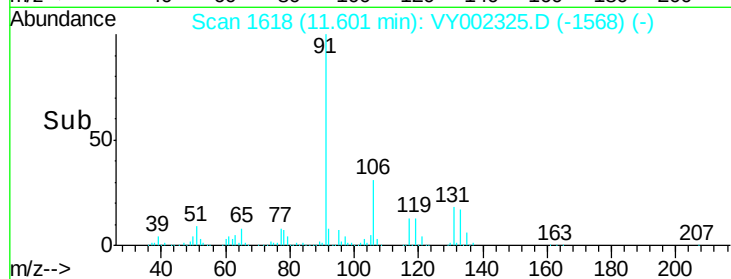
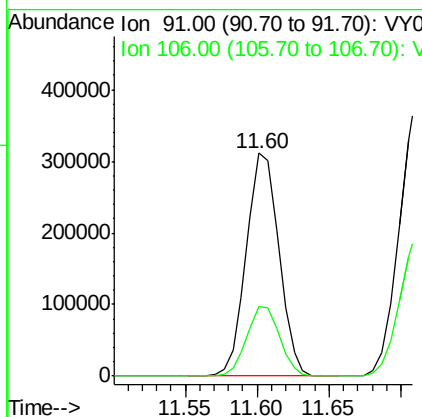
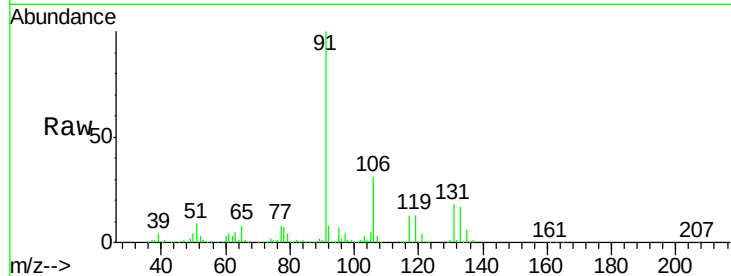
#67
Ethyl Benzene
Concen: 50.392 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 487200
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0

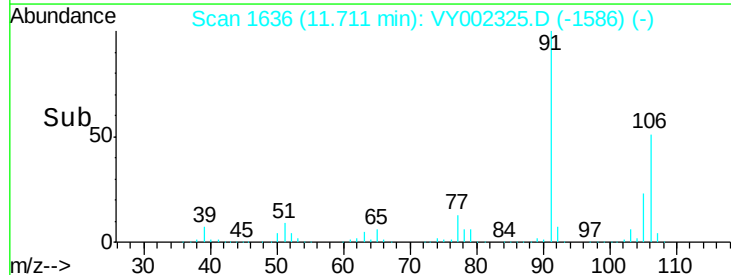
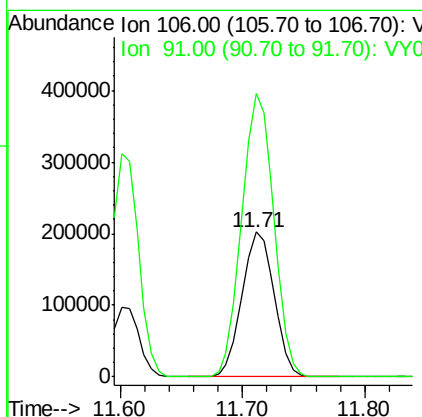
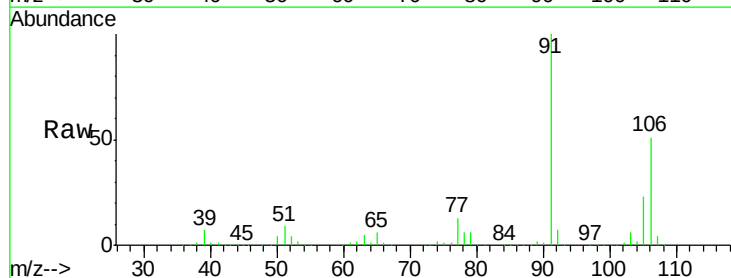
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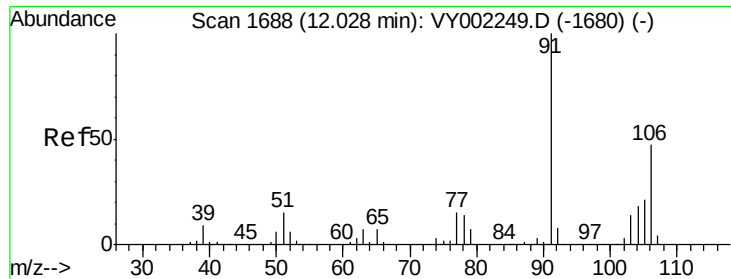
MMDadoda
4/16/2020 10:32:03 AM



#68
m/p-Xylenes
Concen: 102.151 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion: 106 Resp: 369909
Ion Ratio Lower Upper
106 100
91 195.2 159.8 239.6





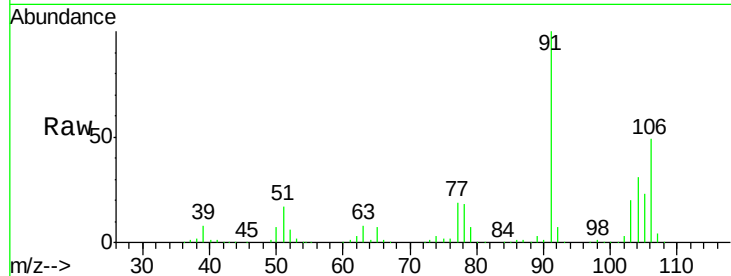
#69
o-Xylene
Concen: 49.292 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

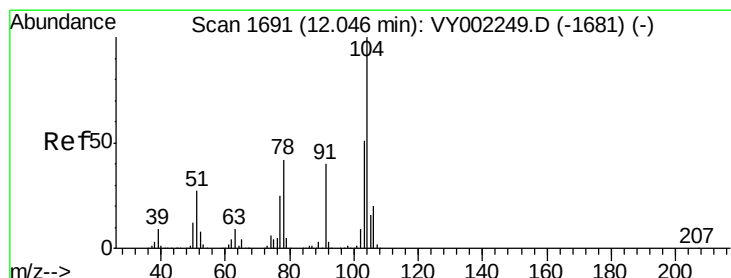
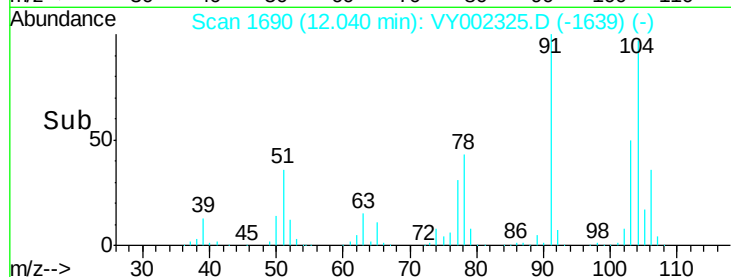
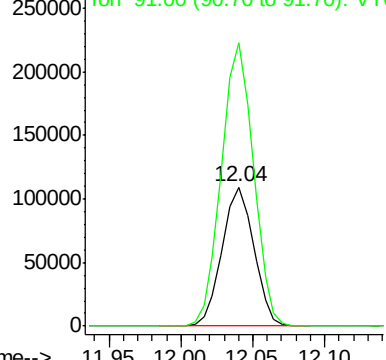
Tot Ion:106 Resp: 167578
Ion Ratio Lower Upper
106 100
91 204.5 105.8 317.3

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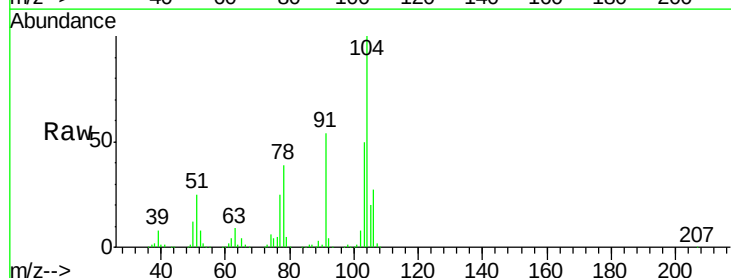


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

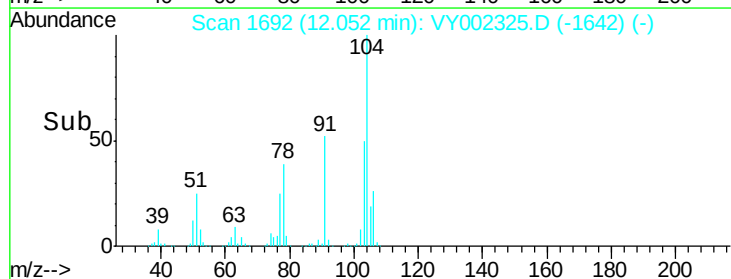
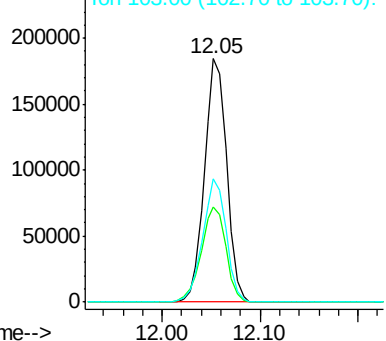


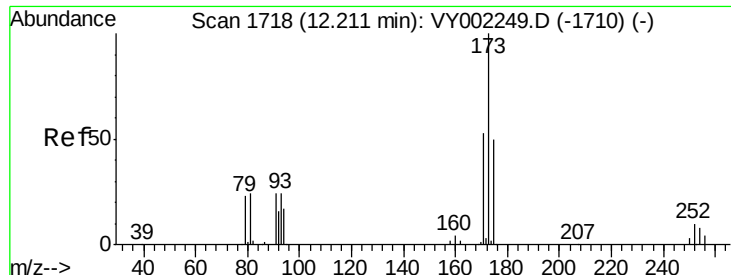
#70
Styrene
Concen: 49.239 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion:104 Resp: 290428
Ion Ratio Lower Upper
104 100
78 43.3 37.2 55.8
103 53.5 43.4 65.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





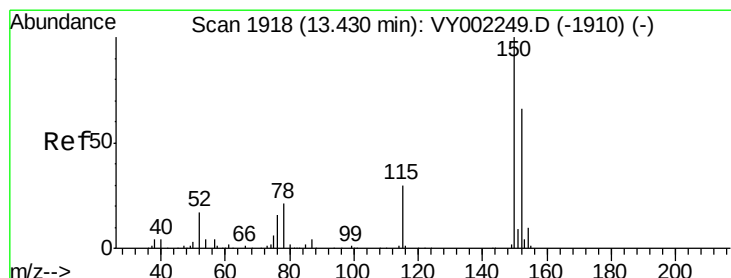
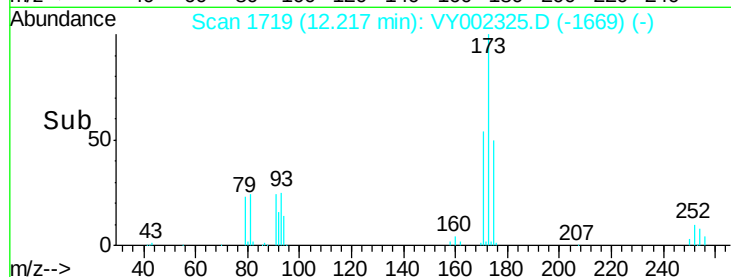
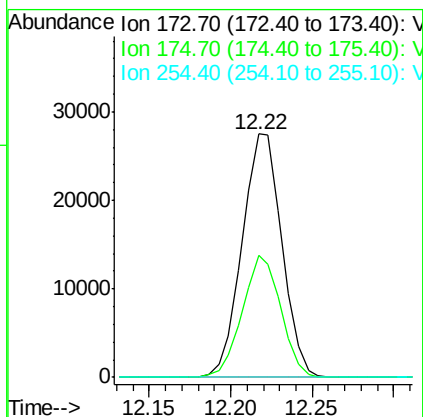
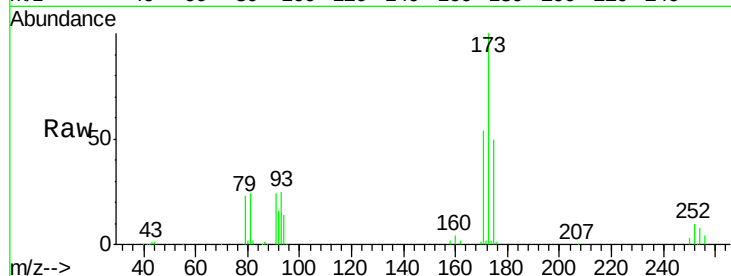
#71
Bromoform
Concen: 49.207 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.0	0.0	0.0

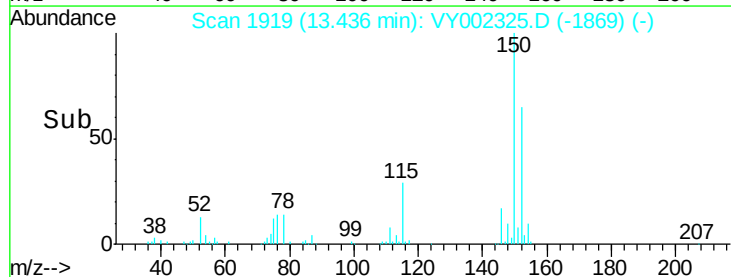
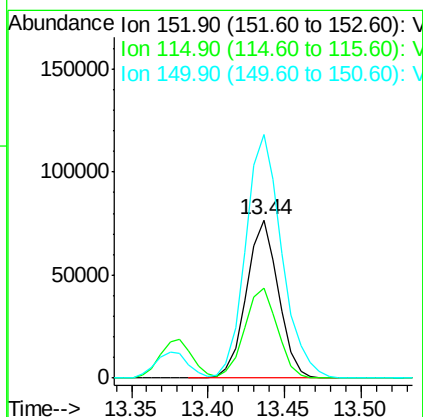
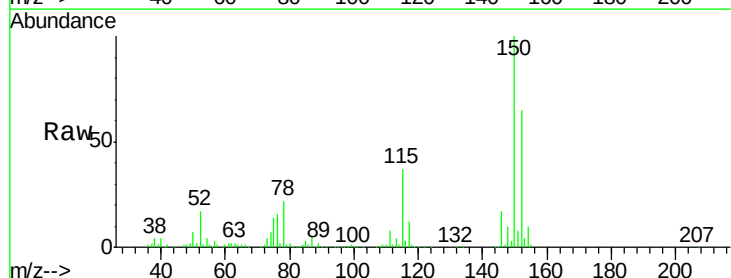
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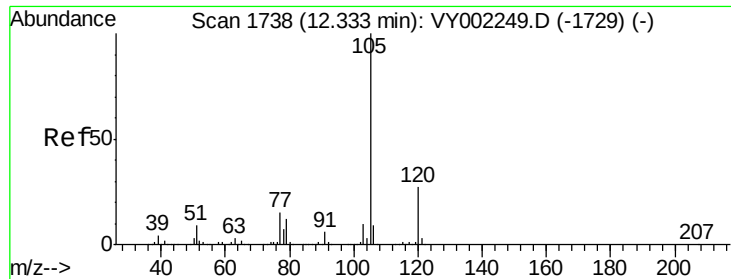
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.7	92.1
150	174.8	0.0	350.6





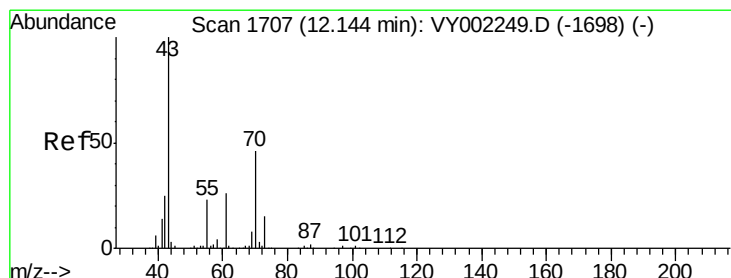
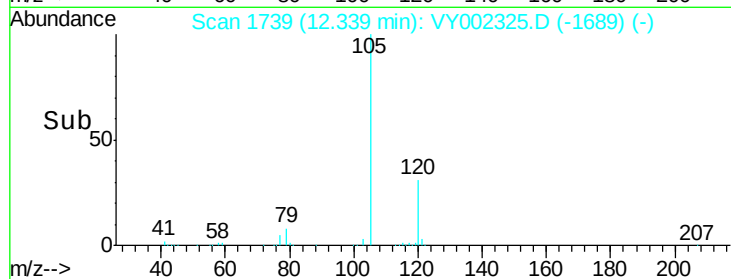
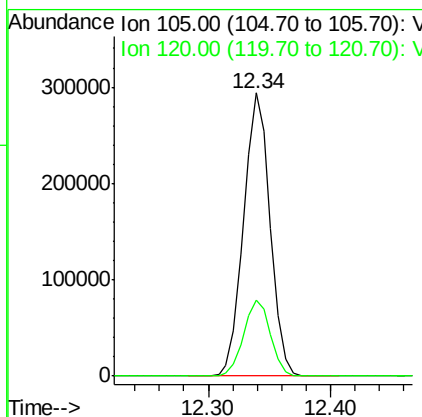
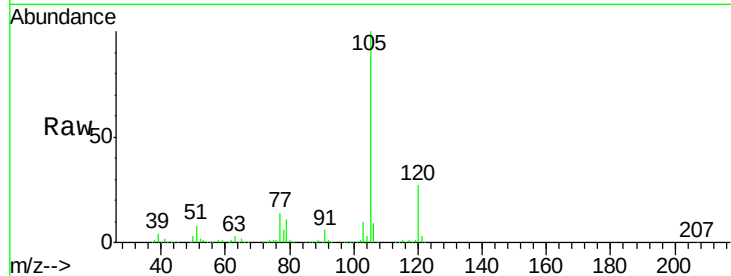
#73
Isopropylbenzene
Concen: 50.405 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.8

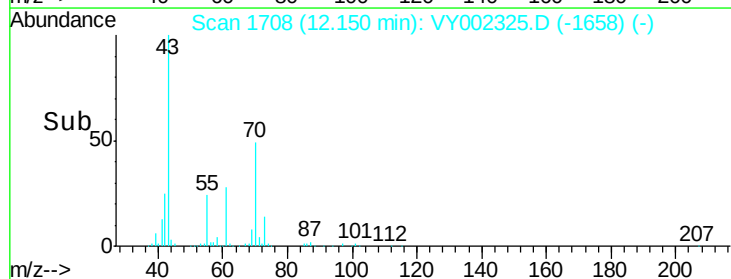
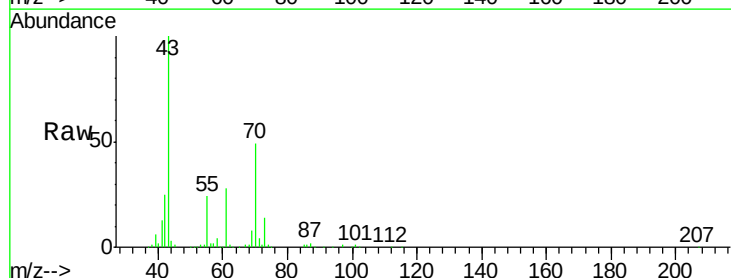
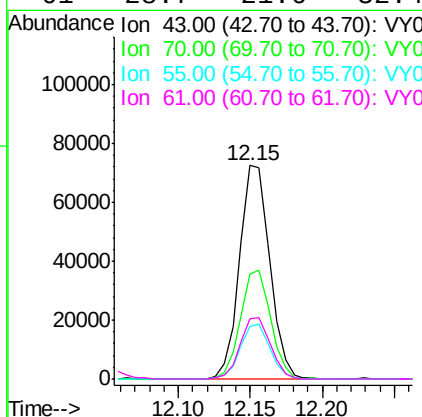
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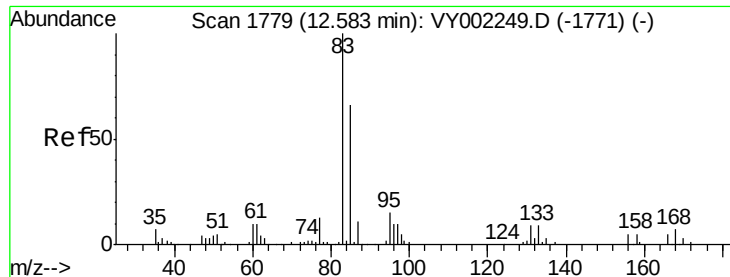
MMDadoda
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#74
N-ethyl acetate
Concen: 42.666 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.8	37.5	56.3
55	25.4	19.0	28.6
61	28.7	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.146 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

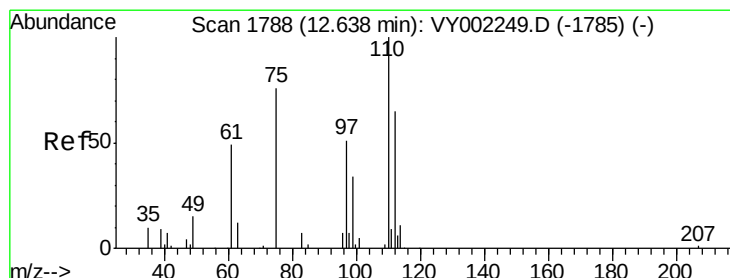
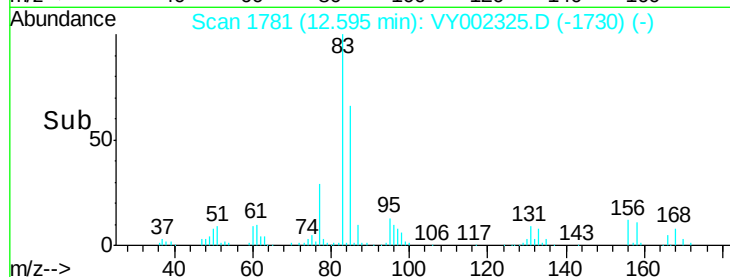
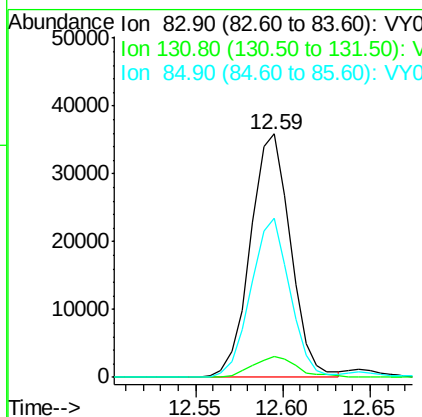
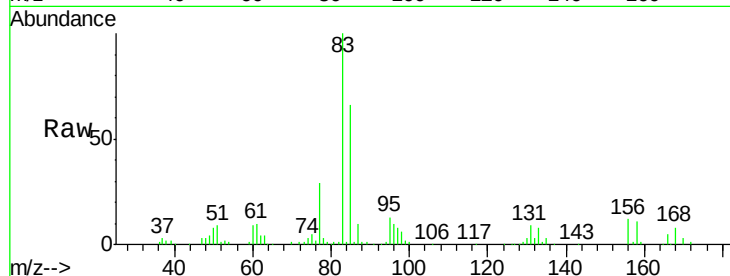
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	57251
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	63.8	32.6	97.8

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4/16/2020 10:32:03 AM



#76

1,2,3-Trichloropropane

Concen: 43.534 ug/l m

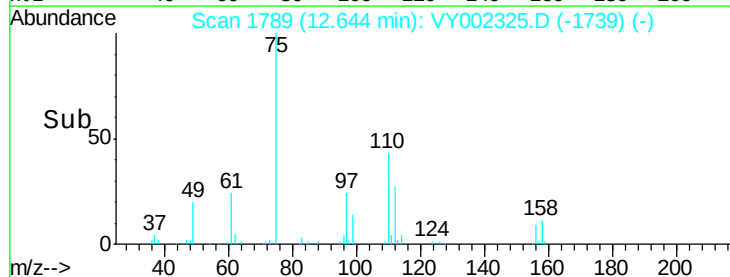
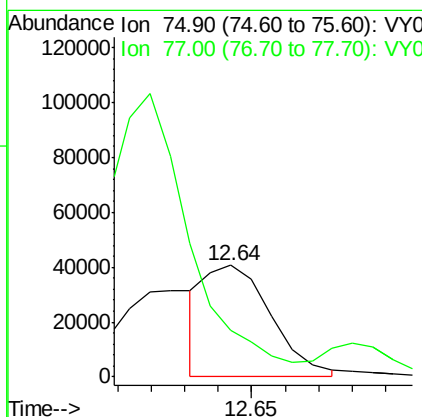
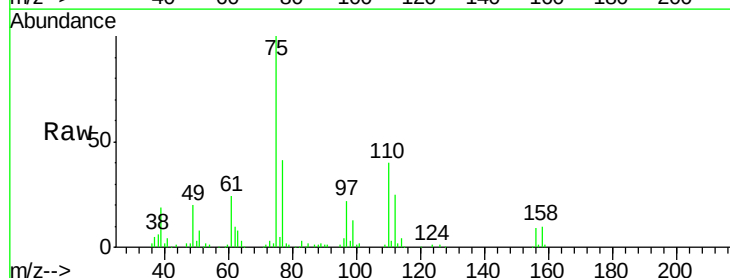
RT: 12.64 min Scan# 1789

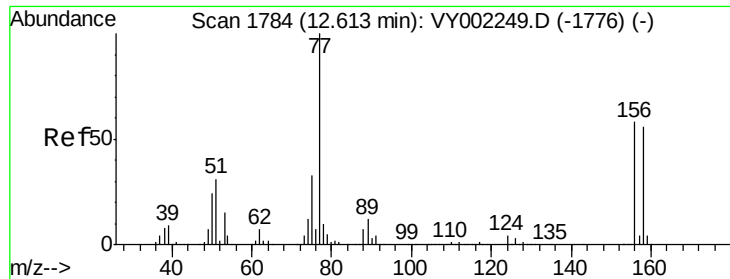
Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Tgt Ion:	75	Resp:	56236
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.015 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 98088

Ion Ratio Lower Upper

156 100

77 187.7 101.3 303.9

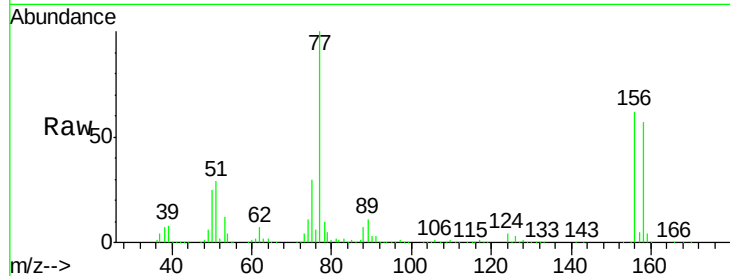
158 97.2 48.3 144.8

Manual Integrations

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MMDadoda

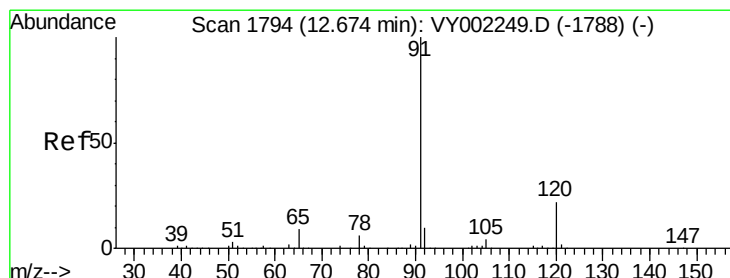
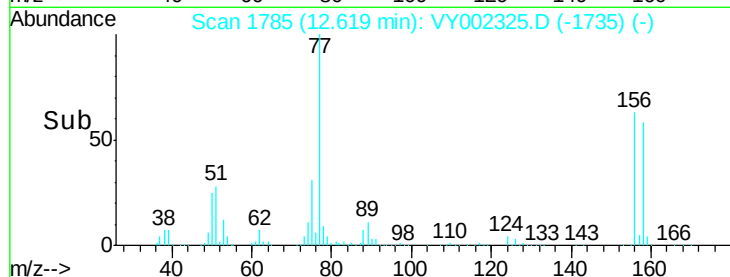
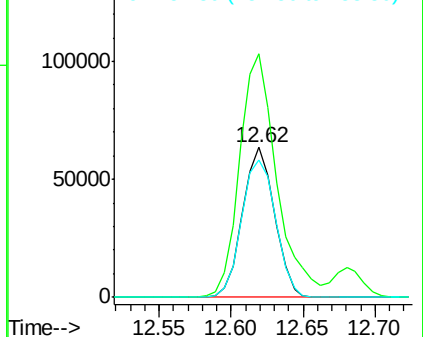
4/16/2020 10:32:03 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.152 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY002325.D

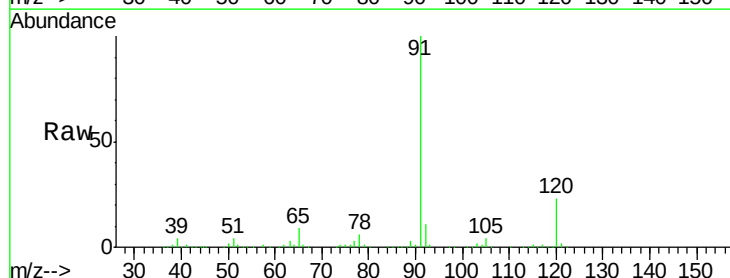
Acq: 15 Apr 2020 10:30

Tgt Ion: 91 Resp: 534233

Ion Ratio Lower Upper

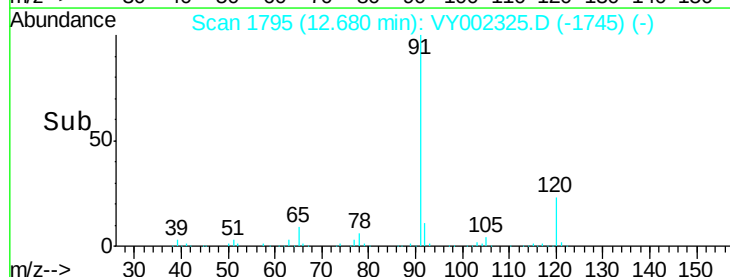
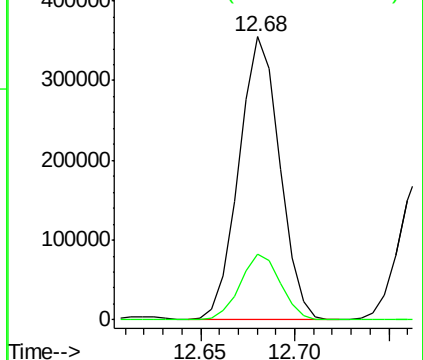
91 100

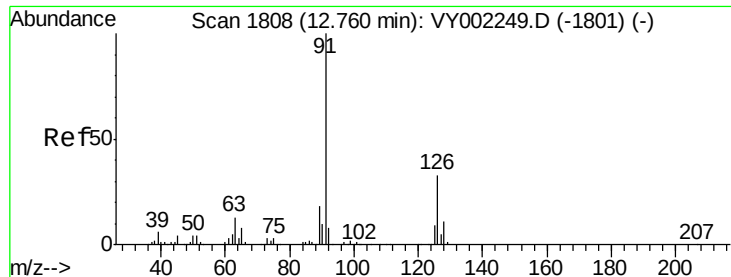
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.642 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 287320

Ion Ratio Lower Upper

91 100

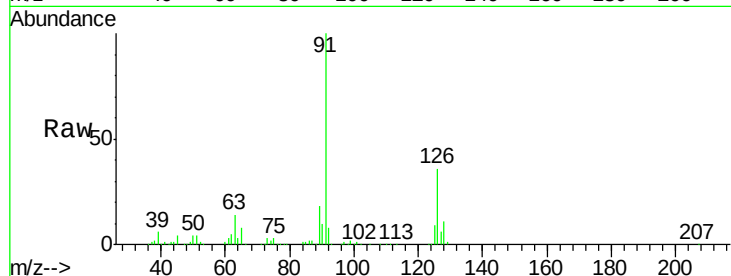
126 35.9 16.9 50.7

Manual Integrations

APPROVED

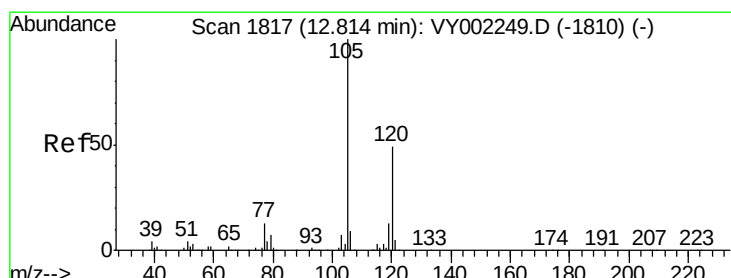
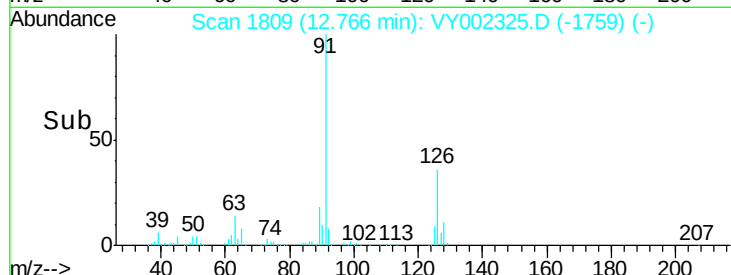
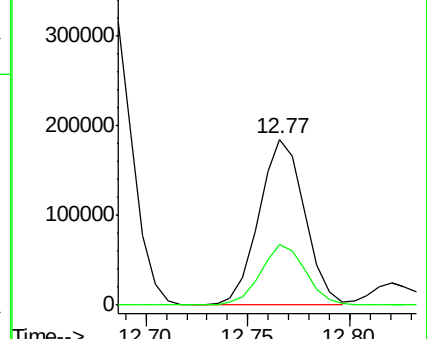
MMDadoda

4/16/2020 10:32:03 AM



Abundance Ion 91.00 (90.70 to 91.70): VY002249.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY002249.D (-1801) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.817 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VY002325.D

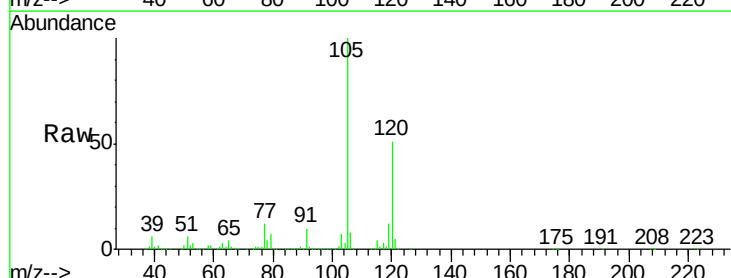
Acq: 15 Apr 2020 10:30

Tgt Ion: 105 Resp: 360059

Ion Ratio Lower Upper

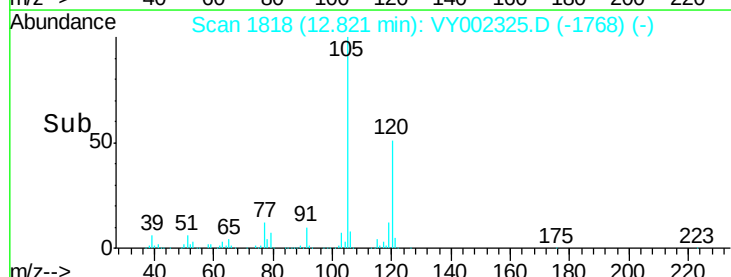
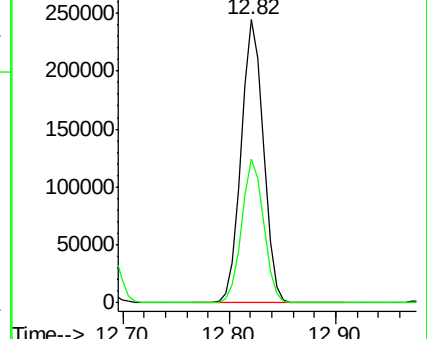
105 100

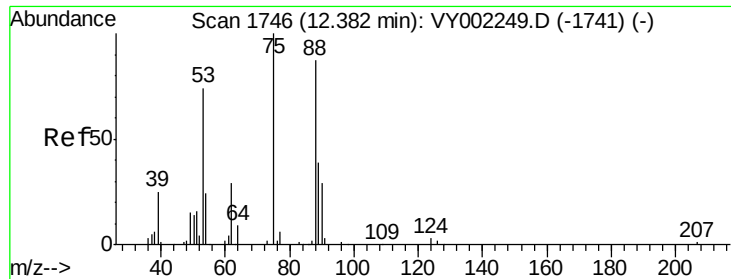
120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VY002249.D (-1810) (-)

Ion 120.00 (119.70 to 120.70): VY002249.D (-1810) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.989 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

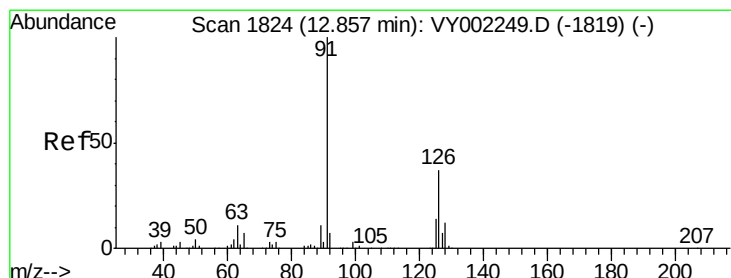
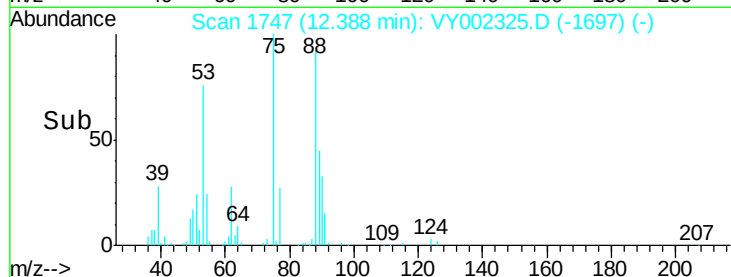
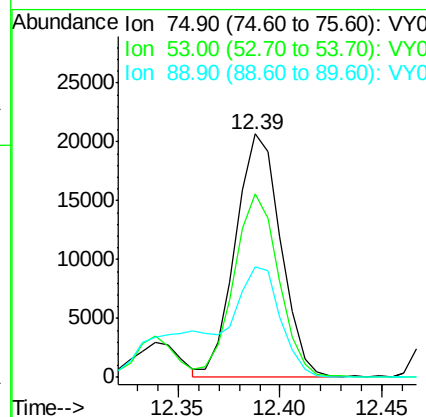
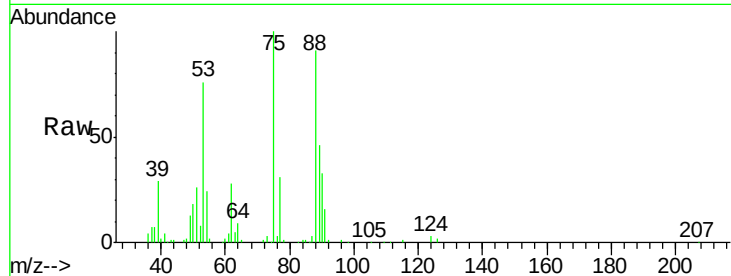
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	31872
Ion	Ratio	Lower	Upper
75	100		
53	74.9	59.8	89.8
89	43.9	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.806 ug/l

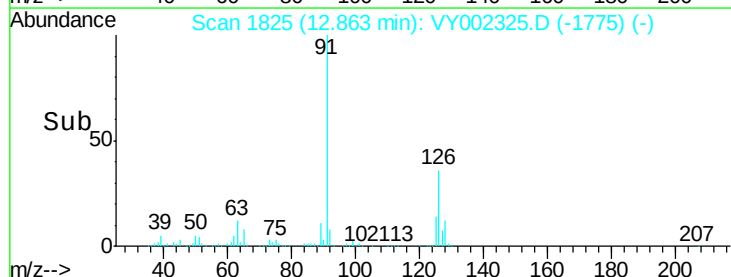
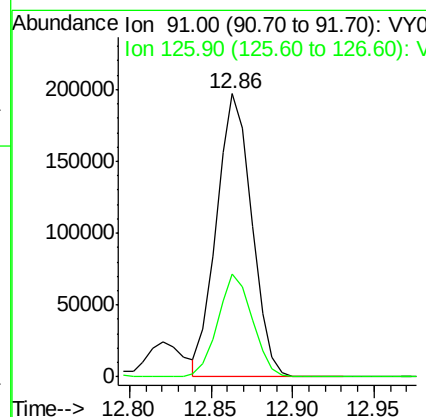
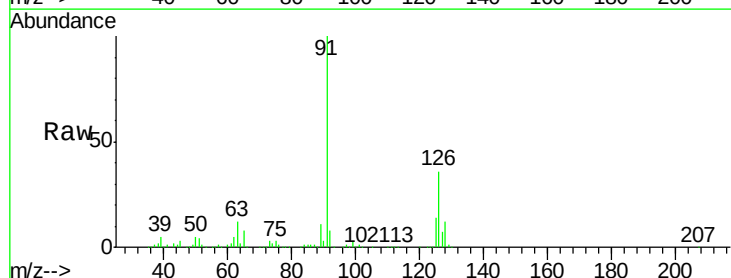
RT: 12.86 min Scan# 1825

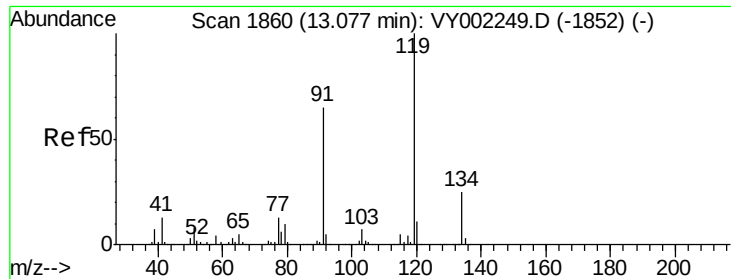
Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Tgt Ion:	91	Resp:	295964
Ion	Ratio	Lower	Upper
91	100		
126	35.8	16.9	50.7





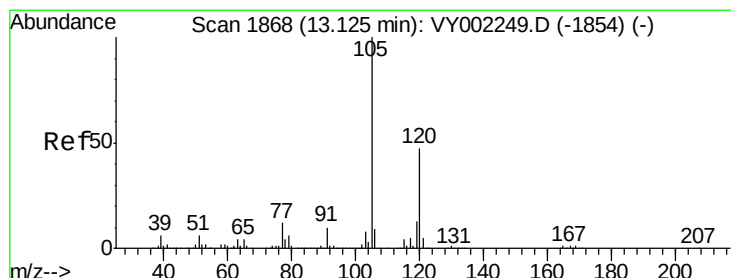
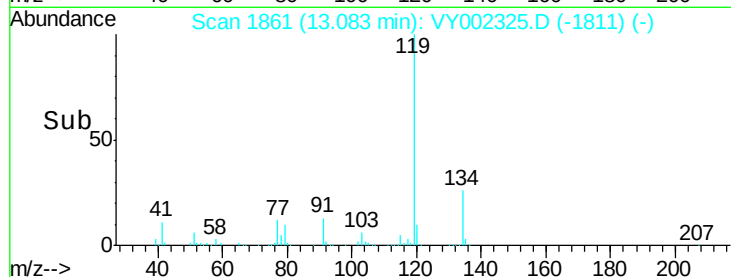
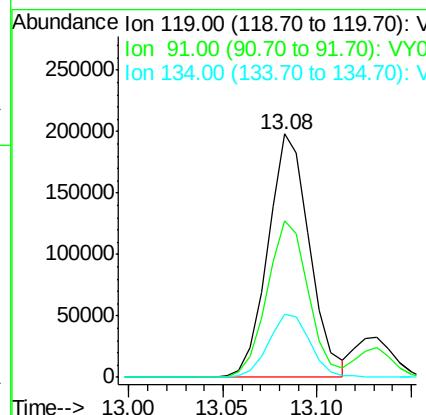
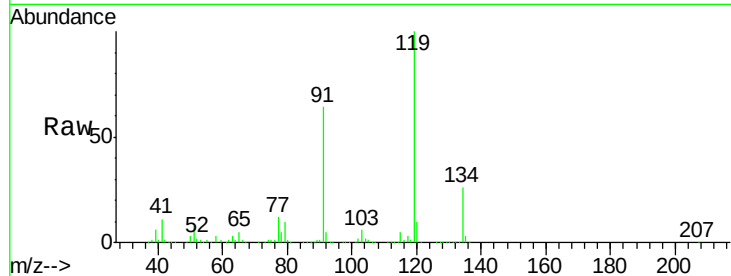
#83
 tert-Butylbenzene
 Concen: 50.007 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.4	97.0
134	26.0	12.6	37.6

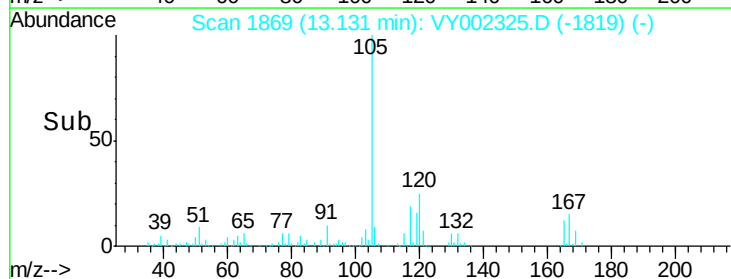
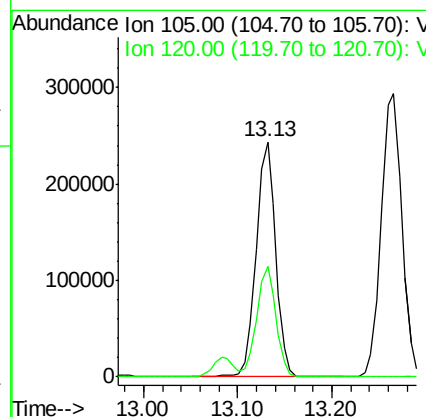
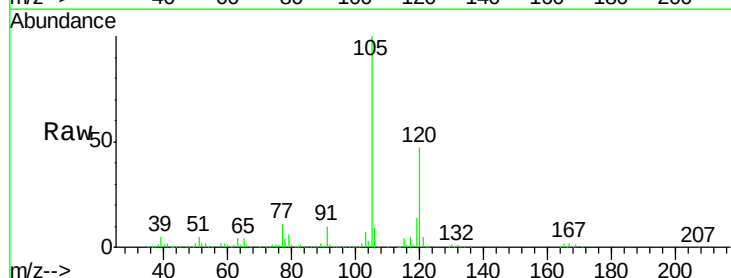
Manual Integrations
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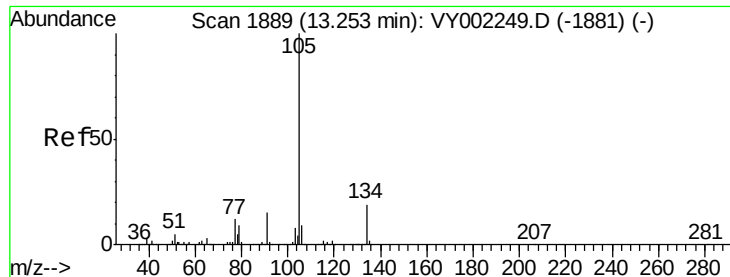
MMDadoda
 4/16/2020 10:32:03 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.310 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 49.323 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 444825

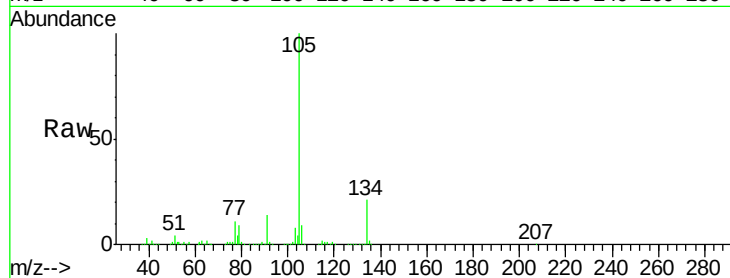
Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.3

Manual Integrations
APPROVED

MMDadoda
4/16/2020 10:32:03 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.27

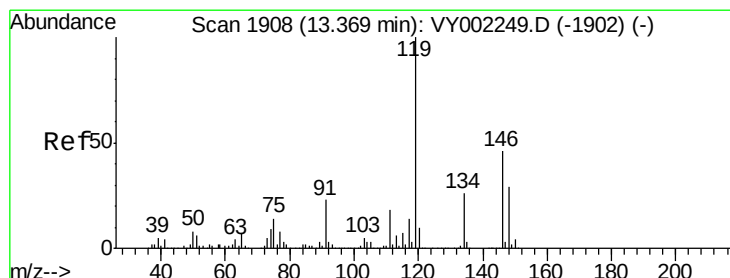
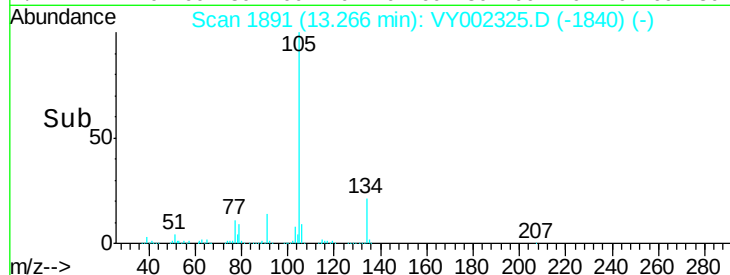
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.664 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

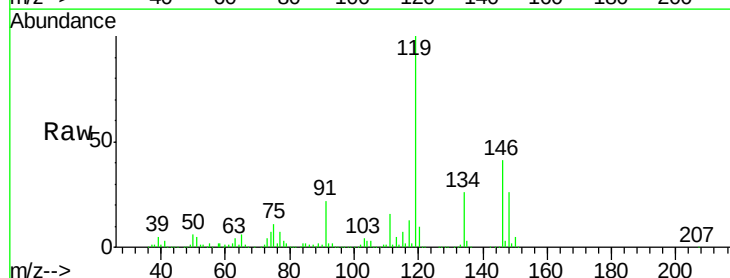
Tgt Ion:119 Resp: 385493

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.2 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

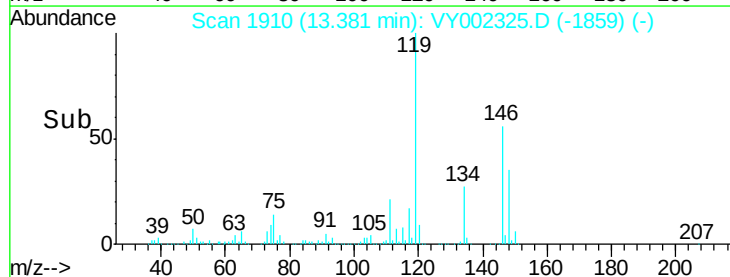
300000

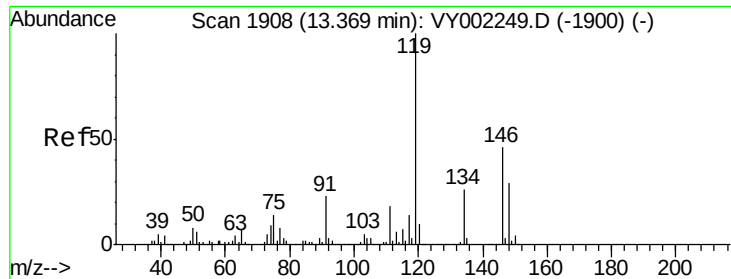
200000

100000

0

Time-->





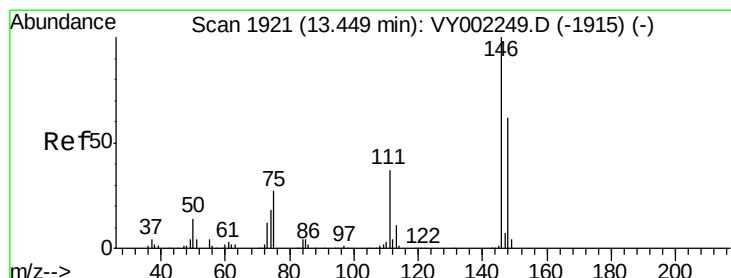
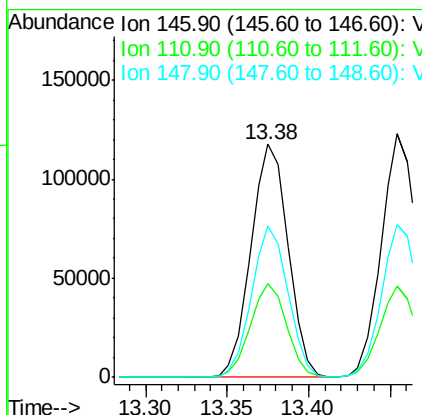
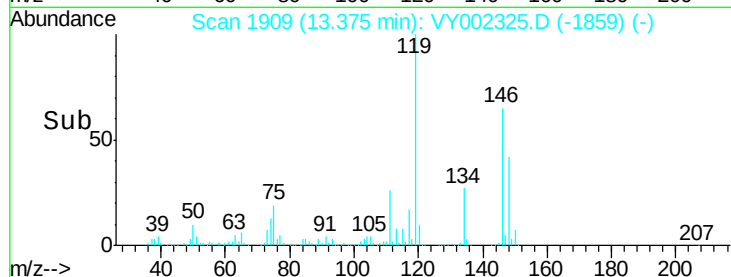
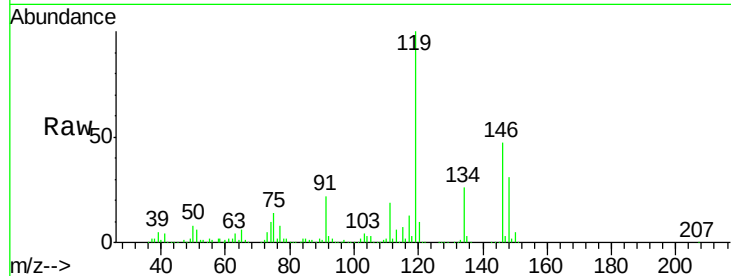
#87
 1,3-Dichlorobenzene
 Concen: 50.087 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186638		
111	39.1	20.3	60.8	
148	63.4	32.1	96.3	

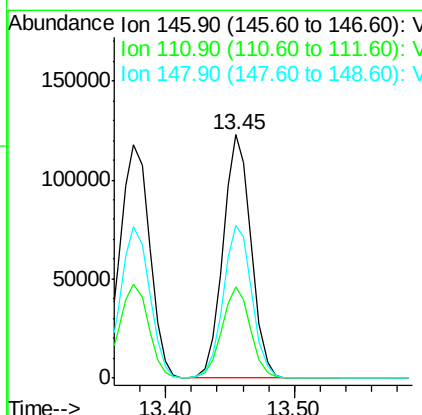
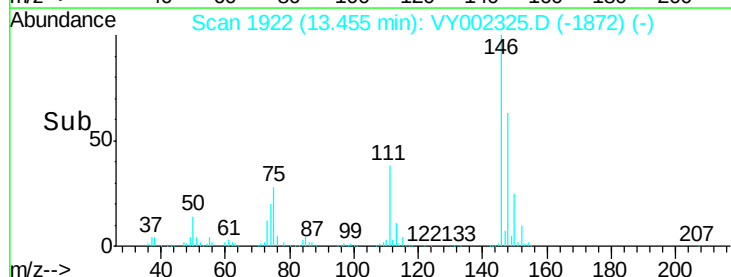
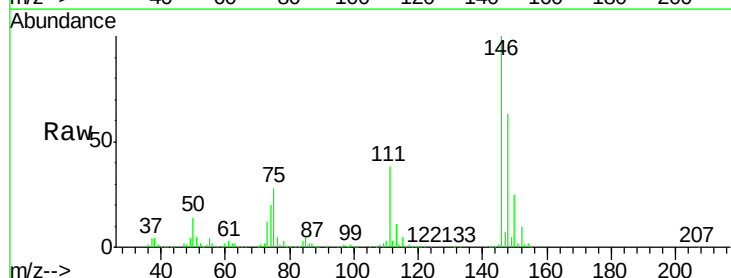
Manual Integrations
 APPROVED

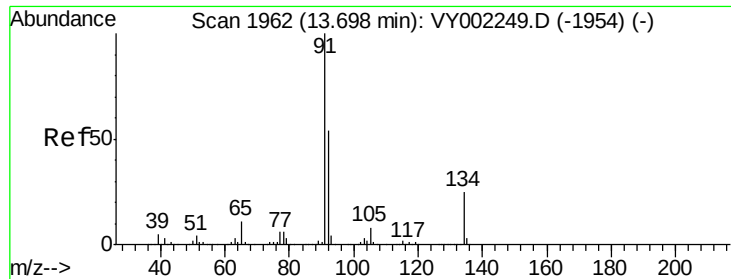
MMDadoda
 4/16/2020 10:32:03 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.544 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	187400		
111	38.3	19.6	58.8	
148	63.8	32.0	96.0	





#89

n-Butylbenzene

Concen: 48.452 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Instrument :

MSVOA_Y

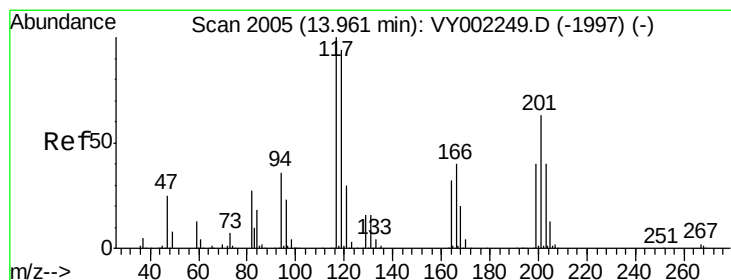
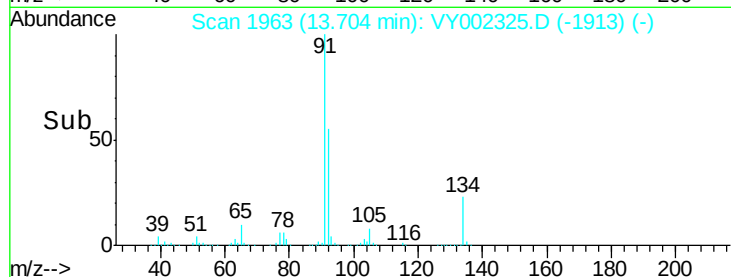
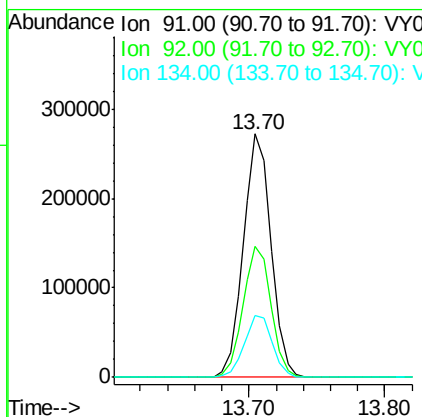
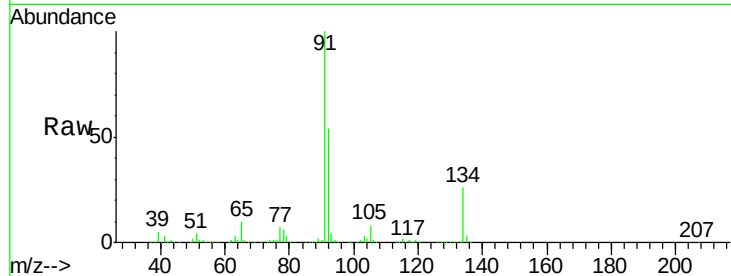
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	385497
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	26.0	12.7	38.0

Manual Integrations
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4/16/2020 10:32:03 AM



#90

Hexachloroethane

Concen: 48.805 ug/l

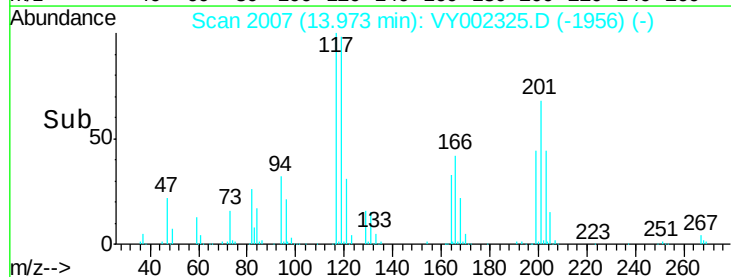
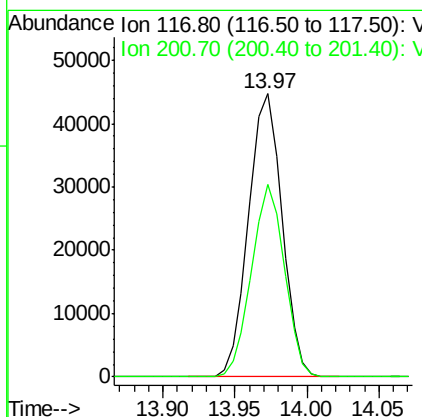
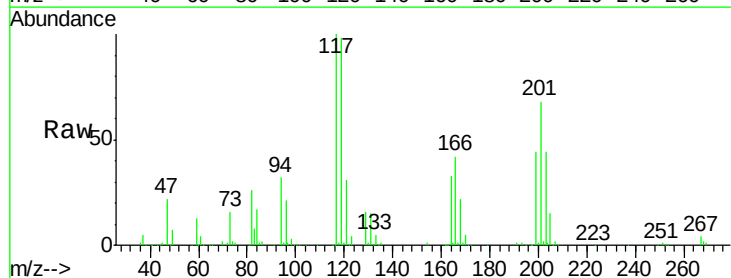
RT: 13.97 min Scan# 2007

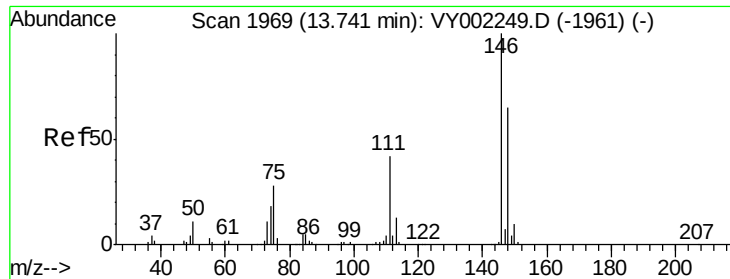
Delta R.T. 0.01 min

Lab File: VY002325.D

Acq: 15 Apr 2020 10:30

Tgt Ion:	117	Resp:	72188
Ion	Ratio	Lower	Upper
117	100		
201	66.8	33.1	99.2





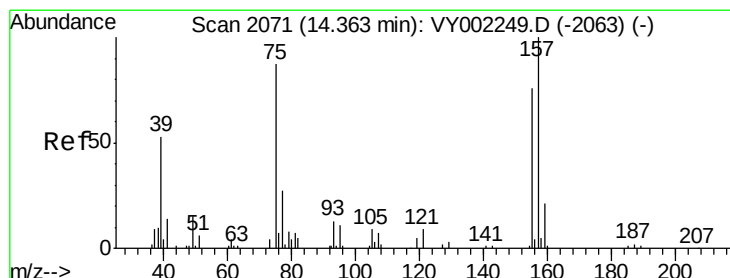
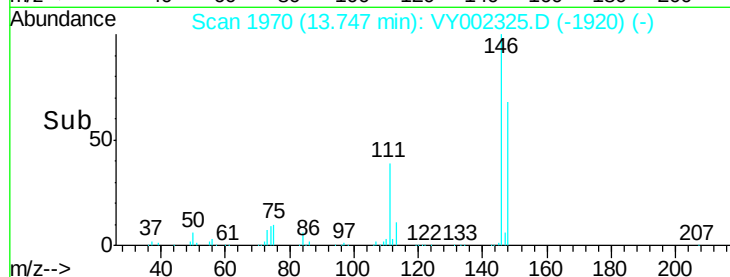
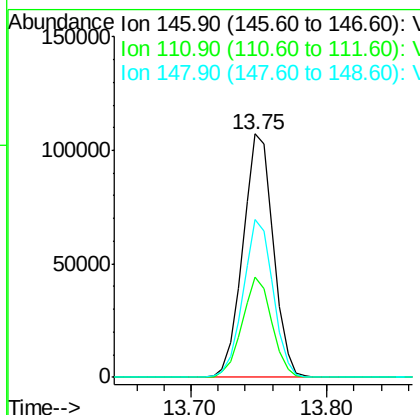
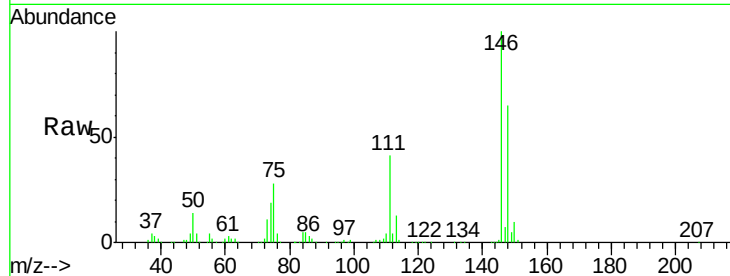
#91
 1,2-Dichlorobenzene
 Concen: 49.342 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.1
148	63.9	31.9	95.9

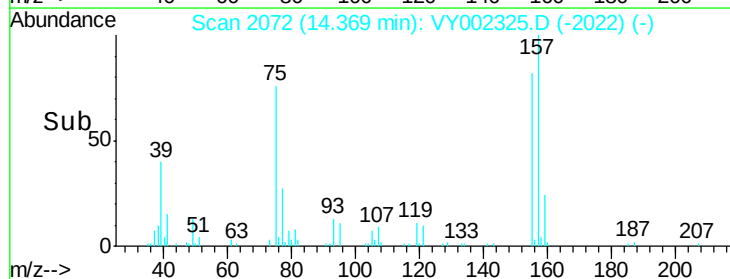
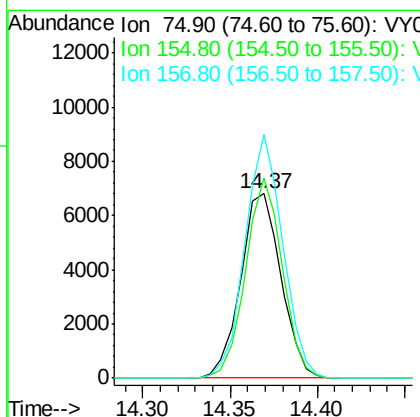
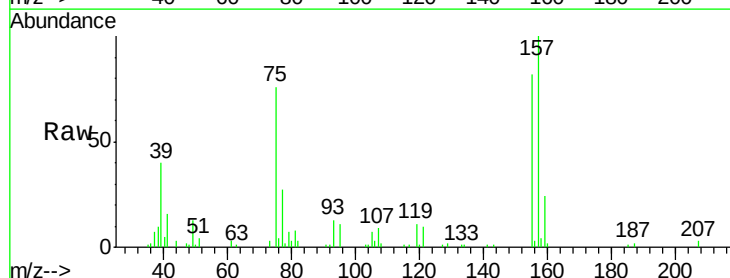
Manual Integrations
 APPROVED

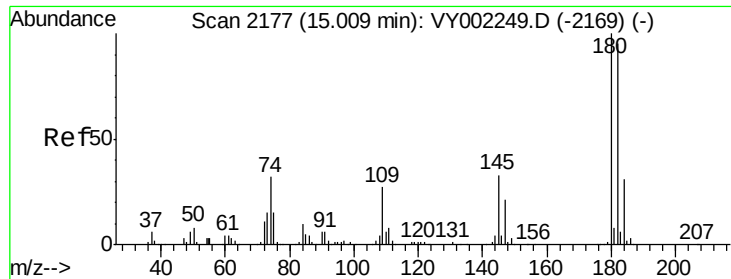
MMDadoda
 4/16/2020 10:32:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.659 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	43.6	130.8
157	123.5	56.0	168.2





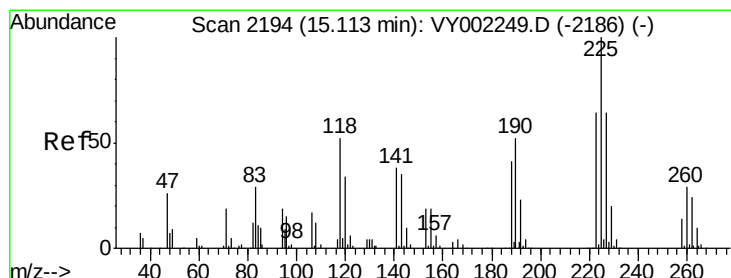
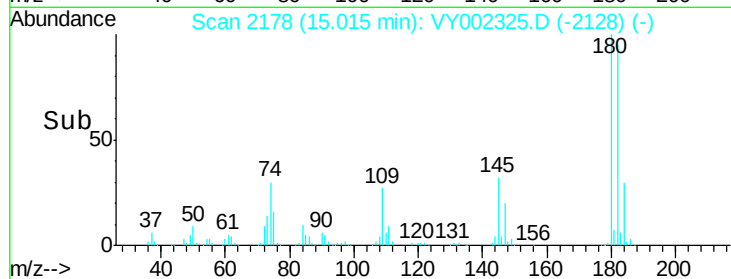
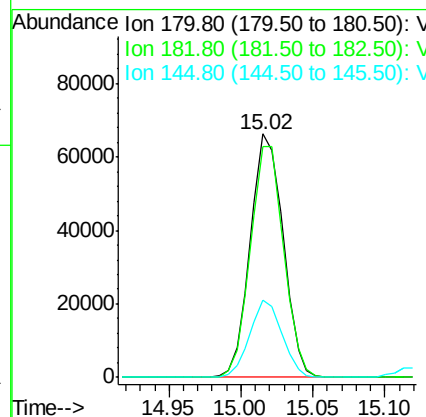
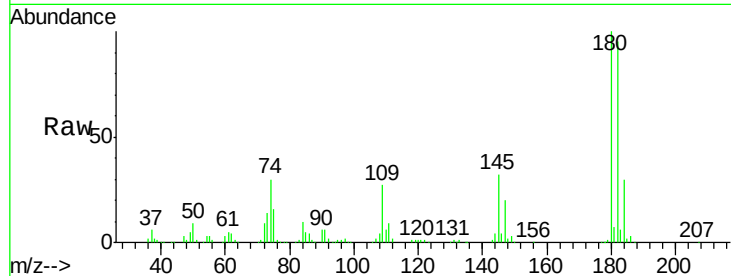
#93
 1,2,4-Trichlorobenzene
 Concen: 47.220 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104506		
182	95.9	47.9	143.7	
145	31.4	16.0	48.0	

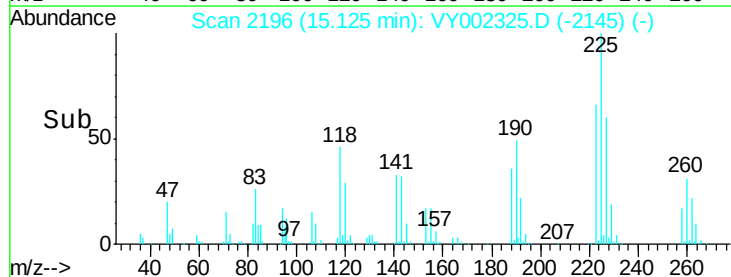
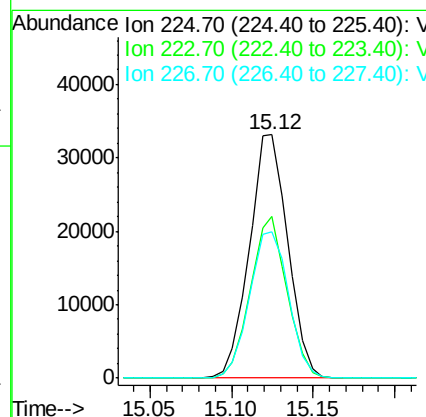
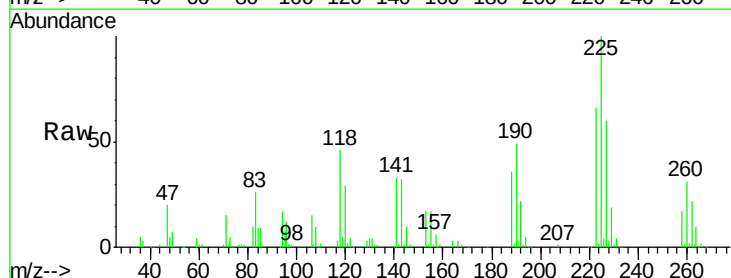
Manual Integrations
 APPROVED

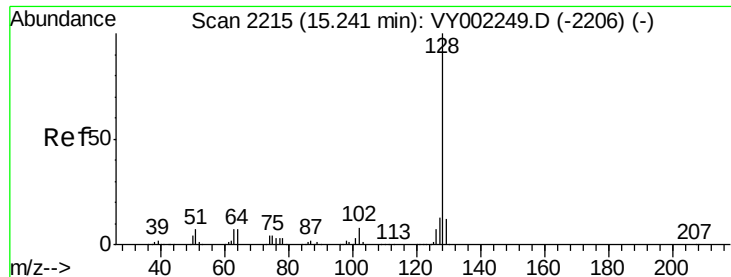
MMDadoda
 4/16/2020 10:32:03 AM



#94
 Hexachlorobutadiene
 Concen: 48.683 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002325.D
 Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54267		
223	62.9	31.0	93.0	
227	61.3	31.3	93.9	





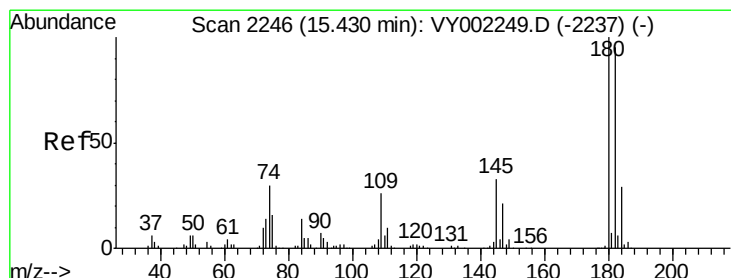
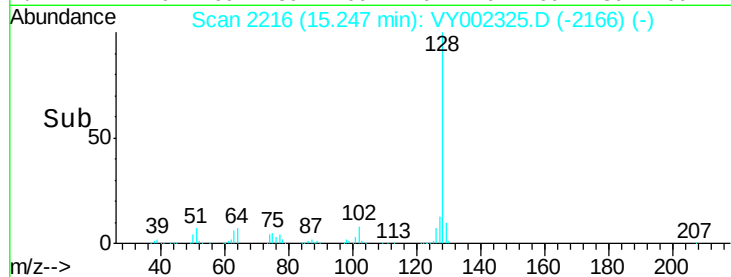
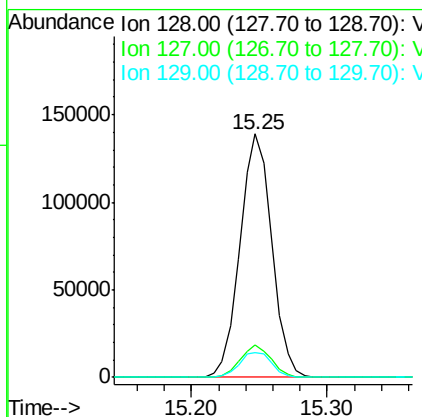
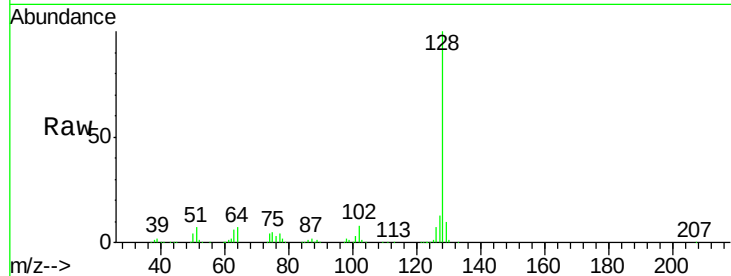
#95
Naphthalene
Concen: 46.783 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	226701		
127	12.8		10.1	15.1
129	10.6		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/16/2020 10:32:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.975 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002325.D
Acq: 15 Apr 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90272		
182	94.6		47.1	141.3
145	32.3		16.7	50.1

