

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051120\
 Data File : VY002651.D
 Acq On : 11 May 2020 10:05
 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
 5/12/2020 12:10:01 PM

Quant Time: May 11 15:15:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	420725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	615803	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	545113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	275205	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	165455	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	7.74	113	182544	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
50) Toluene-d8	10.19	98	706652	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.49	95	238136	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	174910	50.302	ug/l	100
3) Chloromethane	2.13	50	180859	53.059	ug/l	100
4) Vinyl Chloride	2.27	62	206493	52.463	ug/l	98
5) Bromomethane	2.67	94	133737	49.271	ug/l	99
6) Chloroethane	2.81	64	118003	50.211	ug/l	98
7) Trichlorofluoromethane	3.15	101	307475	50.405	ug/l	100
8) Diethyl Ether	3.55	74	101338	49.435	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	191612	51.395	ug/l	99
10) Methyl Iodide	4.12	142	262116	51.605	ug/l	98
11) Tert butyl alcohol	4.99	59	74838	205.626	ug/l	100
12) 1,1-Dichloroethene	3.90	96	187387	51.738	ug/l	96
13) Acrolein	3.76	56	46764	185.812	ug/l	97
14) Allyl chloride	4.51	41	277354	52.559	ug/l	97
15) Acrylonitrile	5.20	53	222136	229.785	ug/l	100
16) Acetone	3.97	43	162348	222.373	ug/l	99
17) Carbon Disulfide	4.22	76	563843	51.748	ug/l	99
18) Methyl Acetate	4.51	43	109452	44.869	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	461355	48.824	ug/l	99
20) Methylene Chloride	4.75	84	191963	47.019	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	205425	51.894	ug/l	98
22) Diisopropyl ether	6.15	45	544398	50.986	ug/l	96
23) Vinyl Acetate	6.09	43	1636741	243.744	ug/l	100
24) 1,1-Dichloroethane	6.05	63	326116	51.627	ug/l	99
25) 2-Butanone	7.02	43	261009	218.403	ug/l	99
26) 2,2-Dichloropropane	7.01	77	302667	50.409	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	221498	50.569	ug/l	99
28) Bromochloromethane	7.36	49	131712	50.892	ug/l	98
29) Tetrahydrofuran	7.38	42	180249	227.966	ug/l	99
30) Chloroform	7.54	83	329843	50.220	ug/l	100
31) Cyclohexane	7.81	56	308258	48.481	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	308834	50.589	ug/l	99
36) 1,1-Dichloropropene	7.94	75	267238	51.767	ug/l	100
37) Ethyl Acetate	7.10	43	122775	46.281	ug/l	99
38) Carbon Tetrachloride	7.93	117	287742	51.054	ug/l	99

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	349931	51.321	ug/l	99
40) Benzene	8.19	78	768290	51.529	ug/l	100
41) Methacrylonitrile	7.35	41	61211m	42.915	ug/l	
42) 1,2-Dichloroethane	8.26	62	196562	46.999	ug/l	98
43) Isopropyl Acetate	8.30	43	237656	47.787	ug/l	100
44) Trichloroethene	8.96	130	244975	52.575	ug/l	96
45) 1,2-Dichloropropane	9.24	63	184129	51.169	ug/l	100
46) Dibromomethane	9.32	93	100921	48.745	ug/l	98
47) Bromodichloromethane	9.52	83	254083	50.471	ug/l	98
48) Methyl methacrylate	9.31	41	106908	47.499	ug/l	97
49) 1,4-Dioxane	9.32	88	25804	941.314	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	611272	238.461	ug/l	99
52) Toluene	10.26	92	490710	51.210	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	265621	50.358	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	308168	50.538	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	146090	48.387	ug/l	97
56) Ethyl methacrylate	10.52	69	201095	50.067	ug/l	96
57) 1,3-Dichloropropane	10.80	76	249019	48.635	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	510522	241.027	ug/l	99
59) 2-Hexanone	10.85	43	417430	236.597	ug/l	99
60) Dibromochloromethane	11.00	129	191281	49.812	ug/l	99
61) 1,2-Dibromoethane	11.10	107	144635	48.380	ug/l	99
64) Tetrachloroethene	10.74	164	268450	55.427	ug/l	99
65) Chlorobenzene	11.53	112	540238	52.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	201475	52.377	ug/l	99
67) Ethyl Benzene	11.61	91	956763	52.562	ug/l	99
68) m/p-Xylenes	11.72	106	737427	104.703	ug/l	100
69) o-Xylene	12.04	106	345052	52.324	ug/l	98
70) Styrene	12.06	104	592793	52.583	ug/l	99
71) Bromoform	12.22	173	120091	50.300	ug/l #	99
73) Isopropylbenzene	12.34	105	942314	52.832	ug/l	99
74) N-amyl acetate	12.16	43	217904	50.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	132400	46.676	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	114530m	46.830	ug/l	
77) Bromobenzene	12.62	156	232817	52.247	ug/l	98
78) n-propylbenzene	12.68	91	1084142	52.378	ug/l	100
79) 2-Chlorotoluene	12.77	91	598468	52.198	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	776393	52.514	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	61452	50.385	ug/l #	72
82) 4-Chlorotoluene	12.87	91	623925	51.806	ug/l	99
83) tert-Butylbenzene	13.09	119	684671	52.815	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	768677	52.168	ug/l	99
85) sec-Butylbenzene	13.27	105	943683	52.460	ug/l	100
86) p-Isopropyltoluene	13.38	119	878722	52.134	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	428649	50.824	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	427931	51.241	ug/l	100
89) n-Butylbenzene	13.71	91	796304	51.897	ug/l	100
90) Hexachloroethane	13.97	117	163570	53.289	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	382065	50.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	24469	46.277	ug/l	98

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Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	270206	49.454	ug/l	99
94) Hexachlorobutadiene	15.13	225	165934	50.595	ug/l	99
95) Naphthalene	15.25	128	466500	46.804	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	222653	48.003	ug/l	99

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

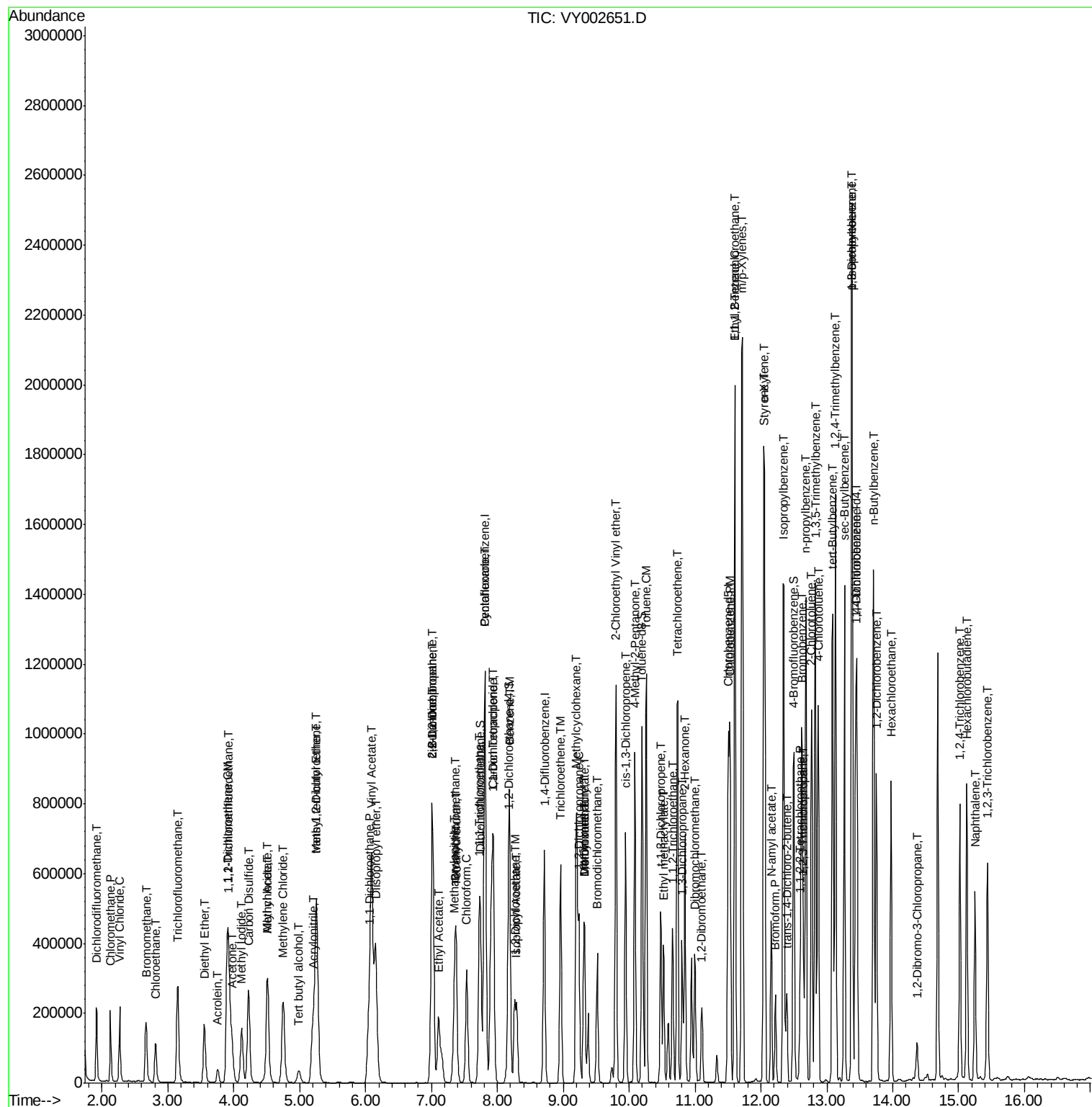
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051120\
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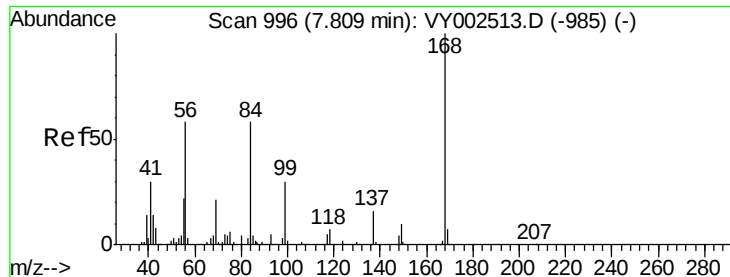
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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MMDadoda
 5/12/2020 12:10:01 PM

Quant Time: May 11 15:15:27 2020
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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: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 420725

Ion Ratio Lower Upper

168 100

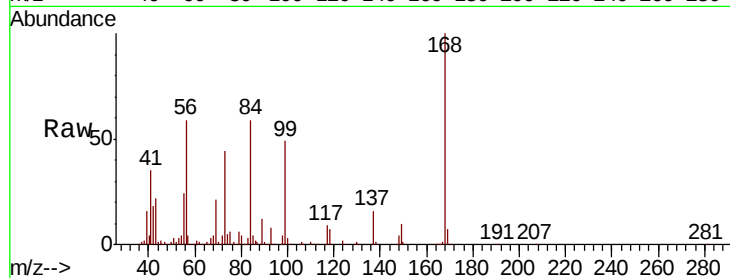
99 48.5 39.2 58.8

Manual Integrations

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MMDadoda

5/12/2020 12:10:01 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002651.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002651.D (-947) (-)

7.82

200000

150000

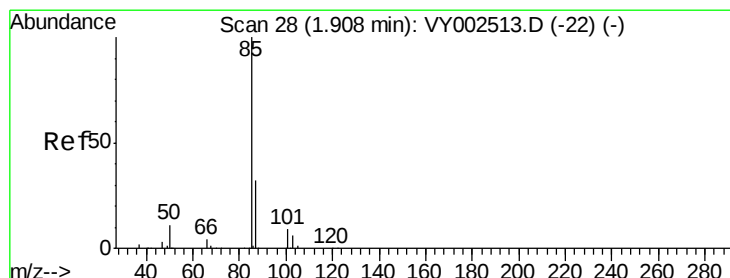
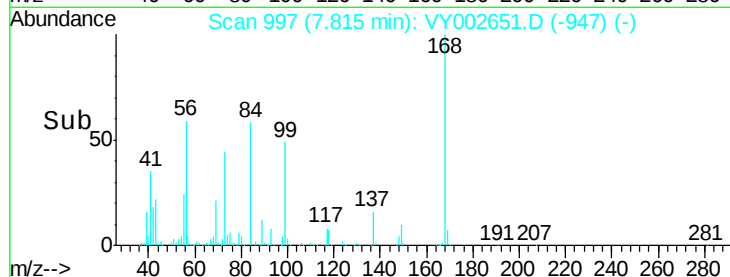
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.302 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002651.D

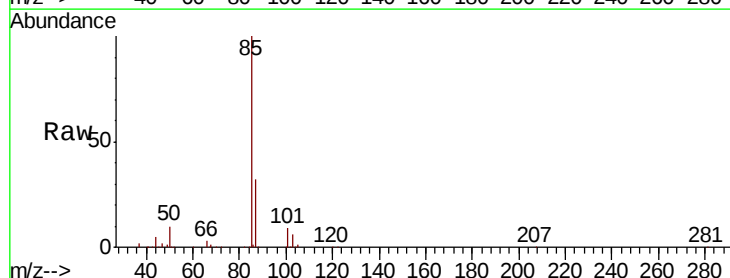
Acq: 11 May 2020 10:05

Tgt Ion: 85 Resp: 174910

Ion Ratio Lower Upper

85 100

87 31.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002651.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002651.D (-1) (-)

1.91

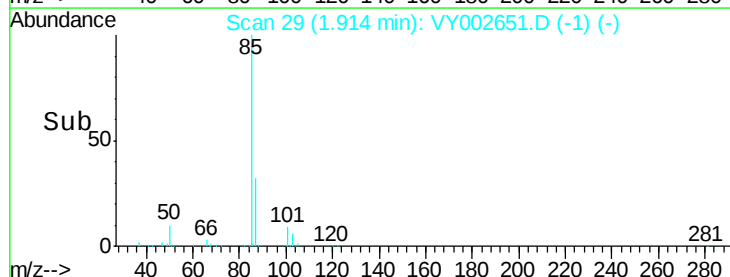
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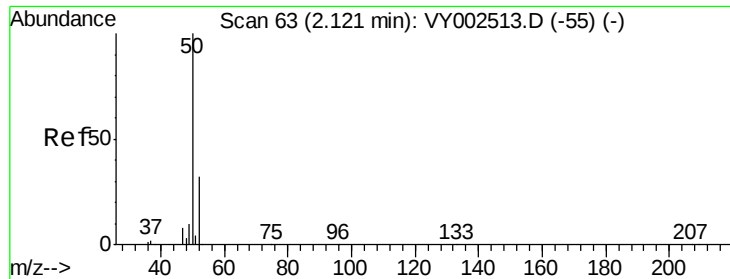
50000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 53.059 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 180859

Ion Ratio Lower Upper

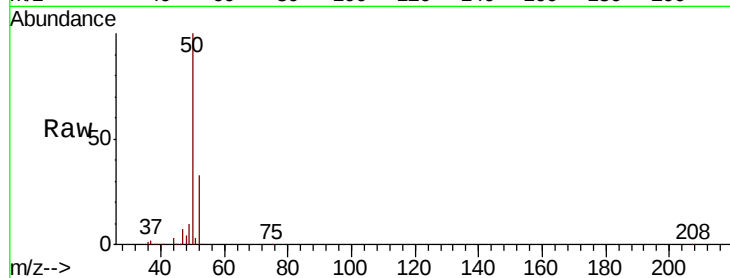
50 100

52 32.6 25.9 38.9

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

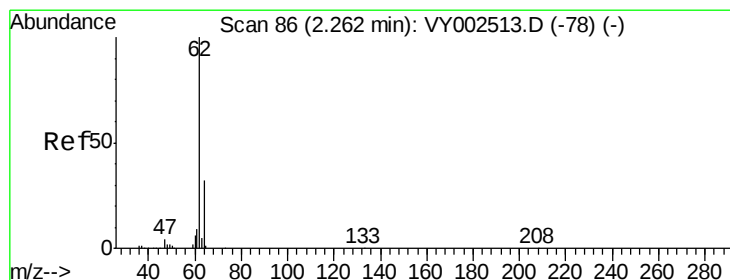
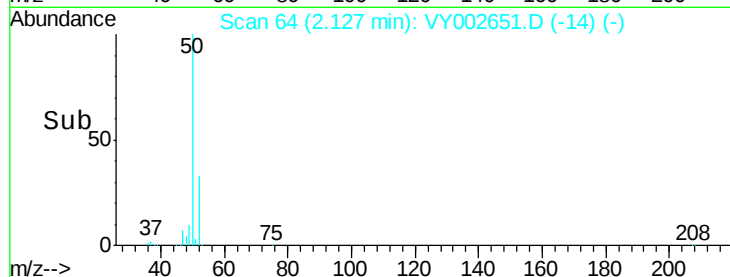
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 52.463 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002651.D

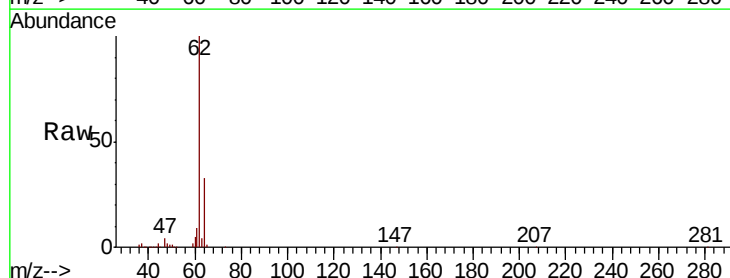
Acq: 11 May 2020 10:05

Tgt Ion: 62 Resp: 206493

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.27

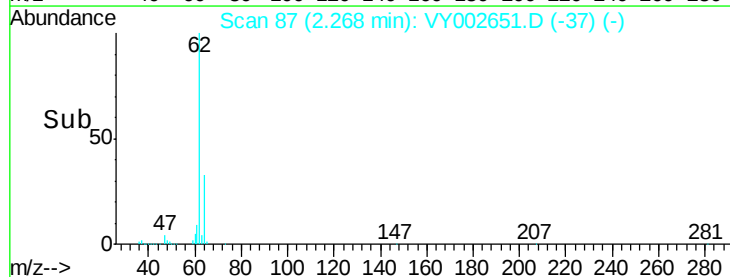
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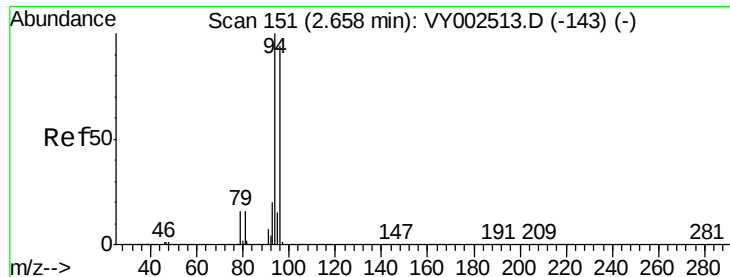
100000

50000

0

Time-->





#5

Bromomethane

Concen: 49.271 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 133737

Ion Ratio Lower Upper

94 100

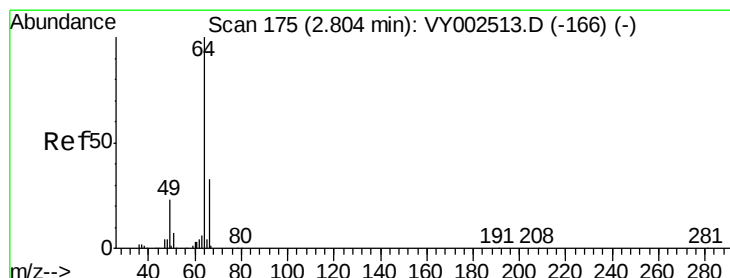
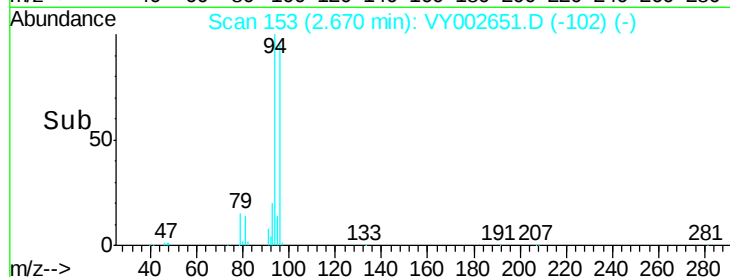
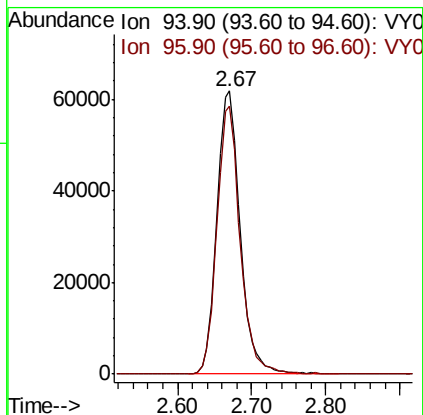
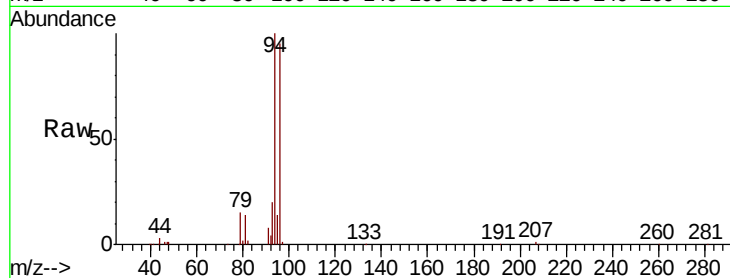
96 94.4 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 50.211 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002651.D

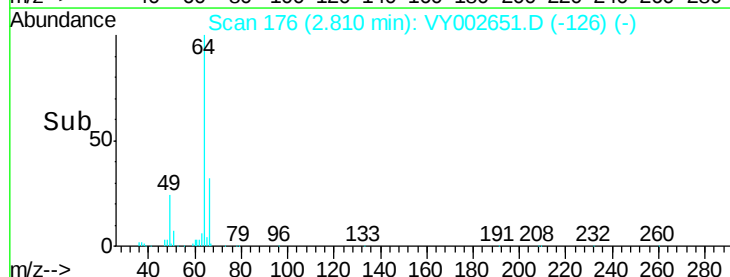
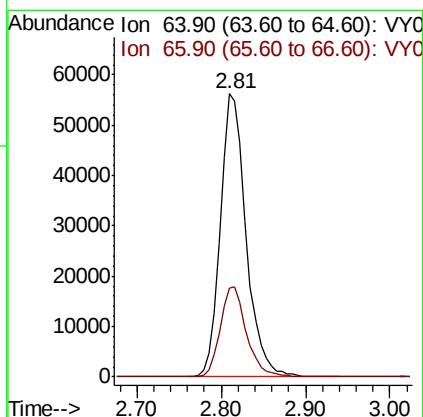
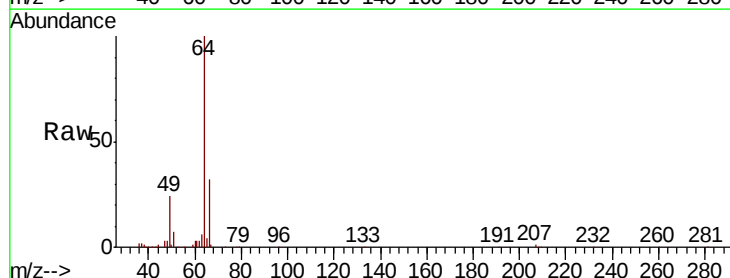
Acq: 11 May 2020 10:05

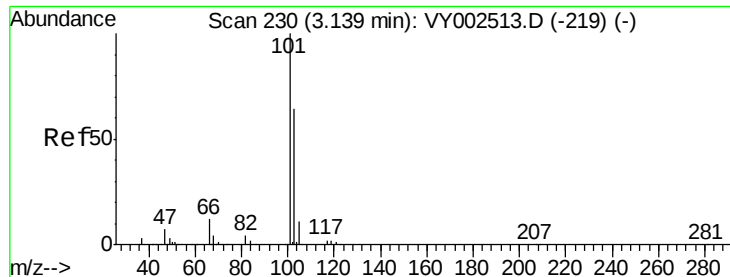
Tgt Ion: 64 Resp: 118003

Ion Ratio Lower Upper

64 100

66 31.6 26.3 39.5





#7

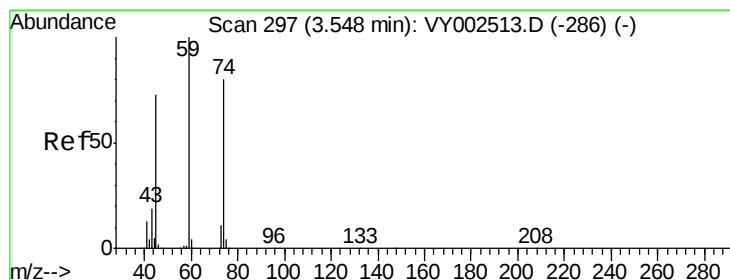
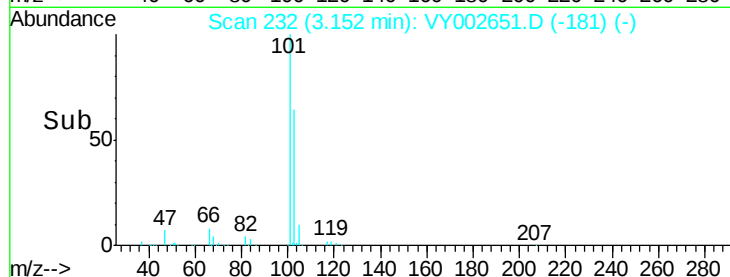
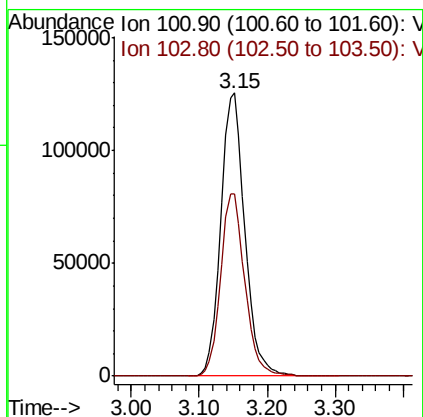
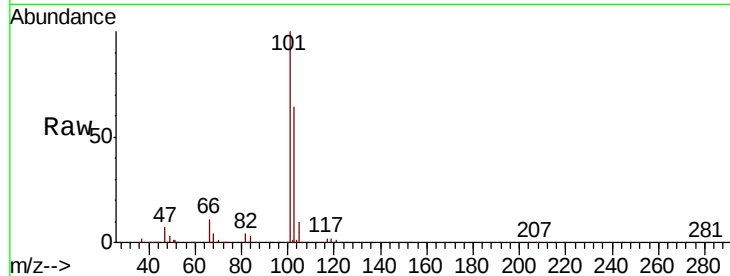
Trichlorofluoromethane
Concen: 50.405 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	307475		
103	64.2	51.4	77.0	

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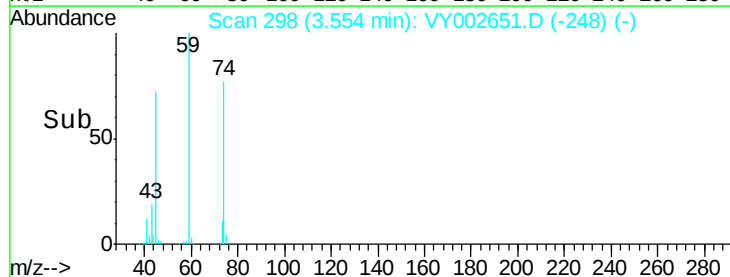
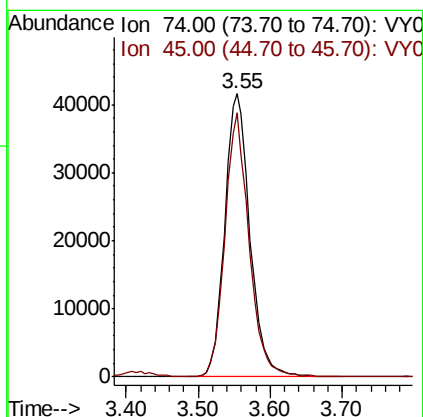
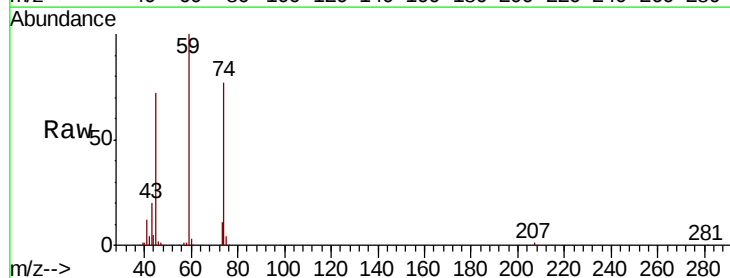
MMDadoda
5/12/2020 12:10:01 PM

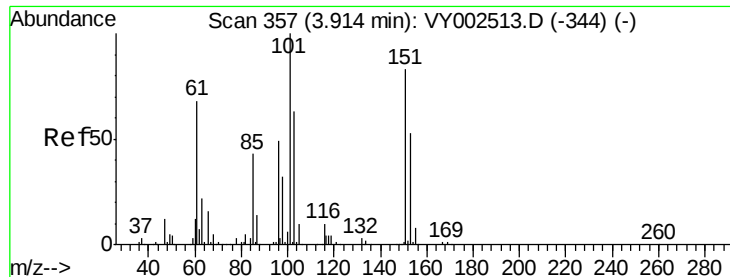


#8

Diethyl Ether
Concen: 49.435 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	101338		
45	89.7	46.2	138.5	





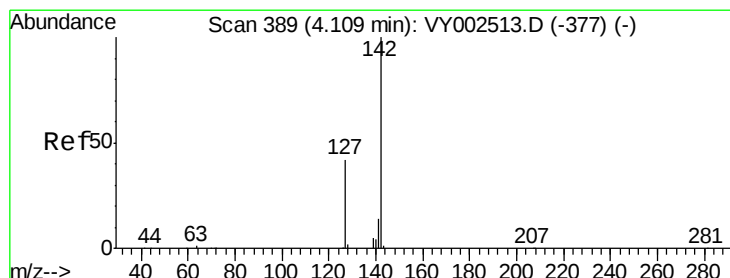
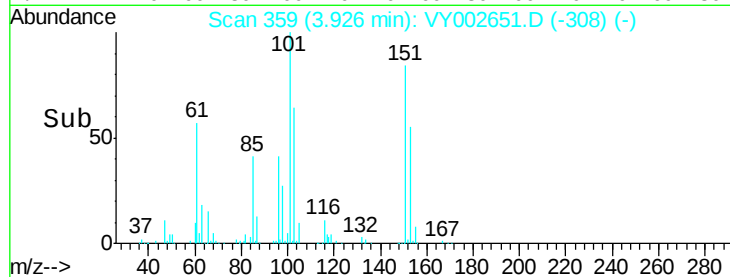
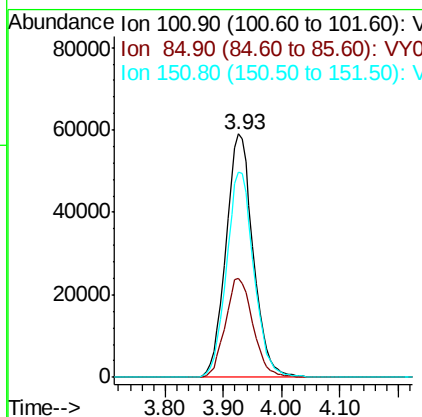
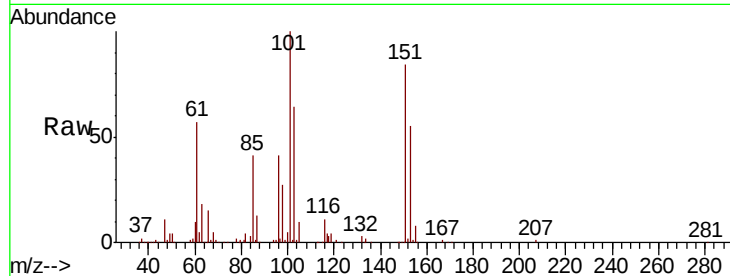
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.395 ug/l
 RT: 3.93 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	191612		
85	41.4	33.4	50.2	
151	84.9	66.8	100.2	

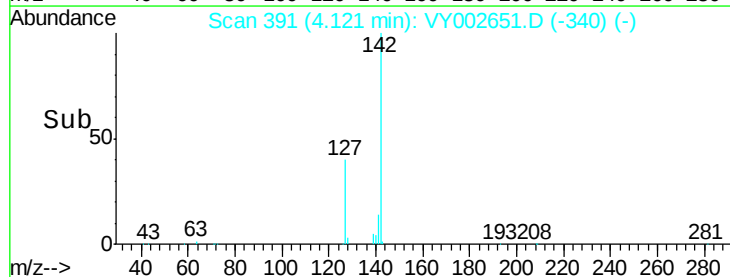
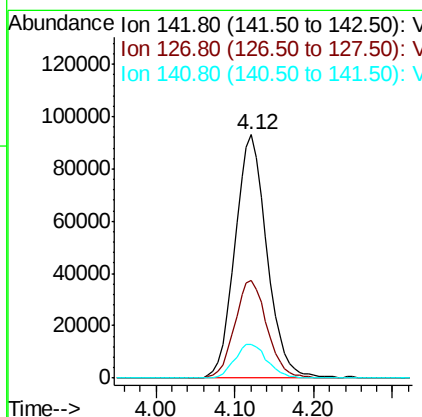
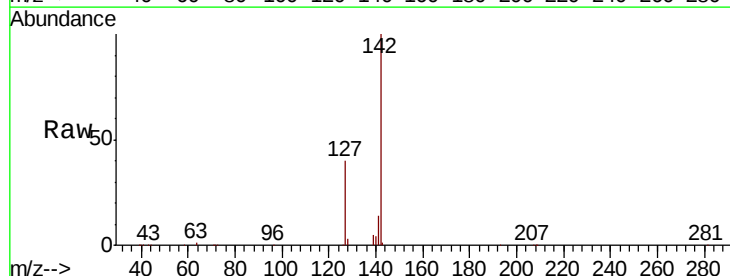
Manual Integrations
 APPROVED

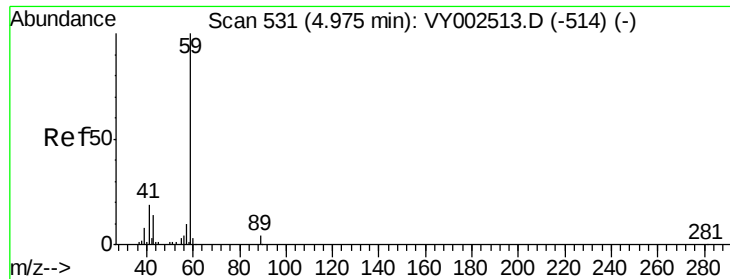
MMDadoda
 5/12/2020 12:10:01 PM



#10
 Methyl Iodide
 Concen: 51.605 ug/l
 RT: 4.12 min Scan# 391
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	262116		
127	40.9	33.7	50.5	
141	14.4	11.4	17.0	





#11

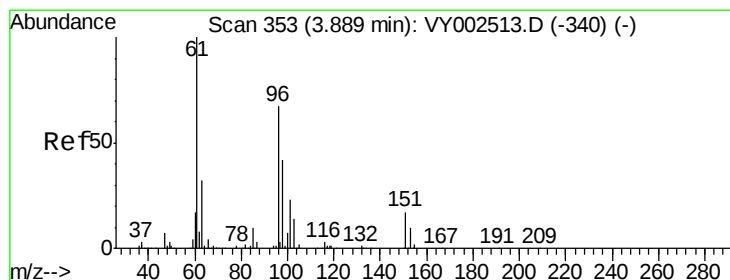
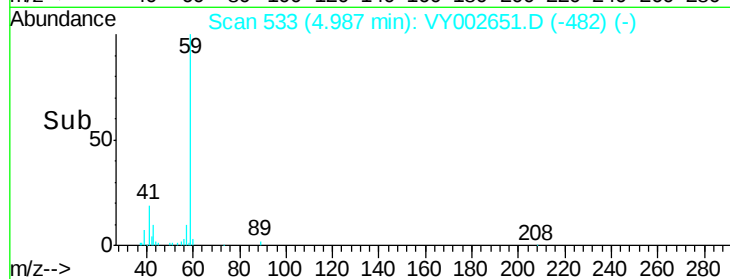
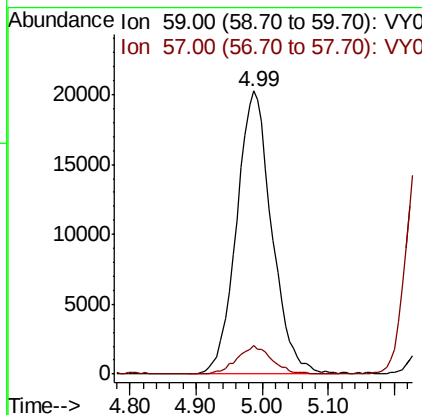
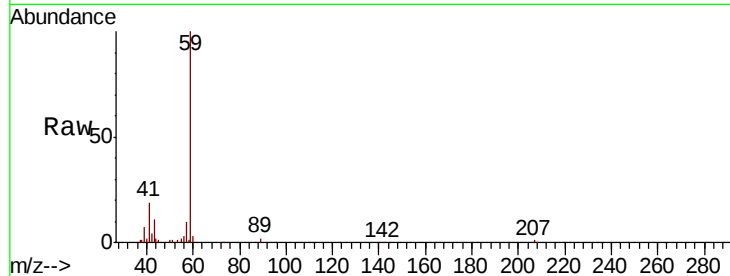
Tert butyl alcohol
 Concen: 205.626 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	74838
Ion Ratio	100	Lower	Upper
57	9.8	7.8	11.6

Manual Integrations
 APPROVED

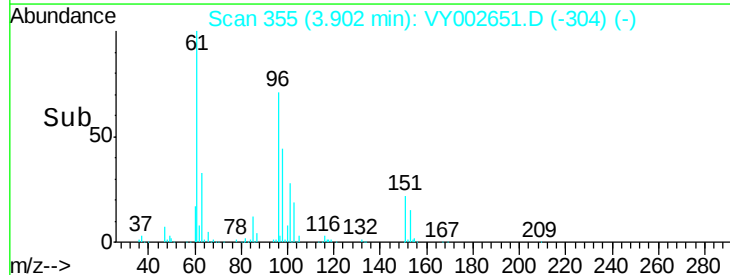
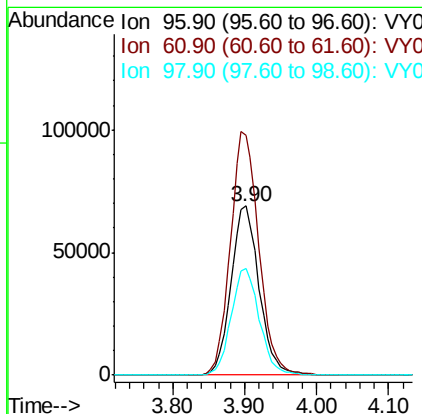
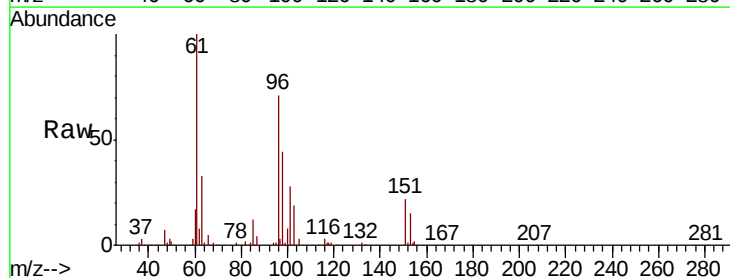
MMDadoda
 5/12/2020 12:10:01 PM

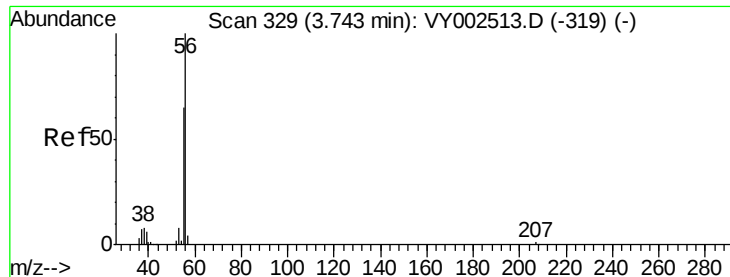


#12

1,1-Dichloroethene
 Concen: 51.738 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion	96	Resp	187387
Ion Ratio	100	Lower	Upper
61	141.7	118.8	178.2
98	63.0	49.6	74.4





#13

Acrolein

Concen: 185.812 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 46764

Ion Ratio Lower Upper

56 100

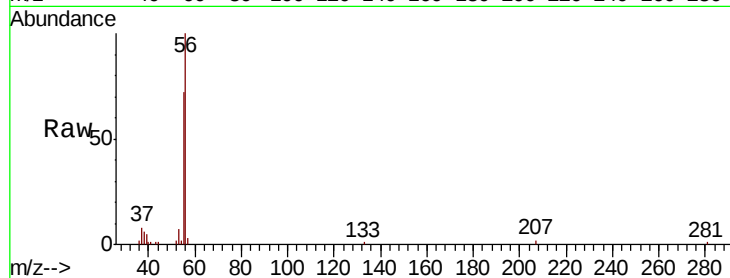
55 69.6 53.8 80.6

Manual Integrations

APPROVED

MMDadoda

5/12/2020 12:10:01 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

20000

15000

10000

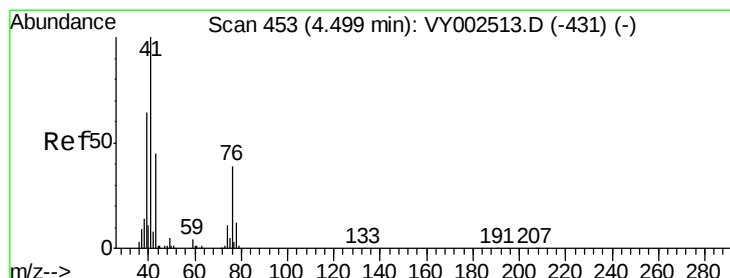
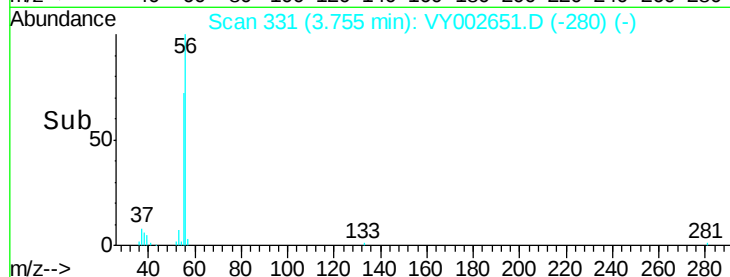
5000

0

3.76

3.70 3.80 3.90

Time-->



#14

Allyl chloride

Concen: 52.559 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

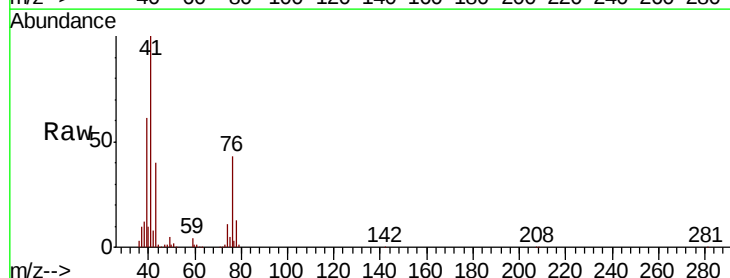
Tgt Ion: 41 Resp: 277354

Ion Ratio Lower Upper

41 100

39 61.7 51.8 77.6

76 40.3 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

120000

100000

80000

60000

40000

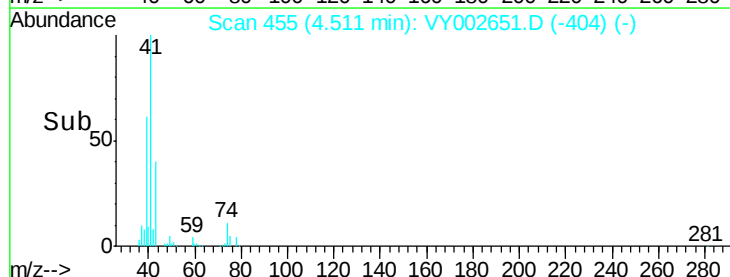
20000

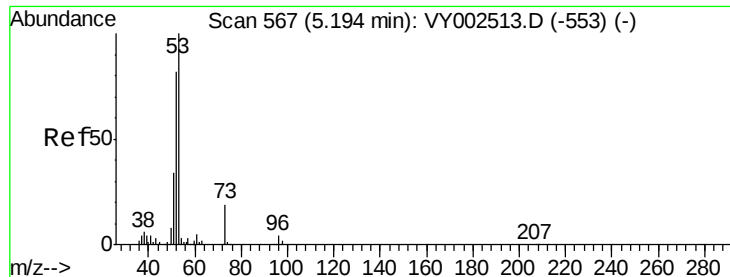
0

4.51

4.30 4.40 4.50 4.60 4.70

Time-->





#15

Acrylonitrile

Concen: 229.785 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

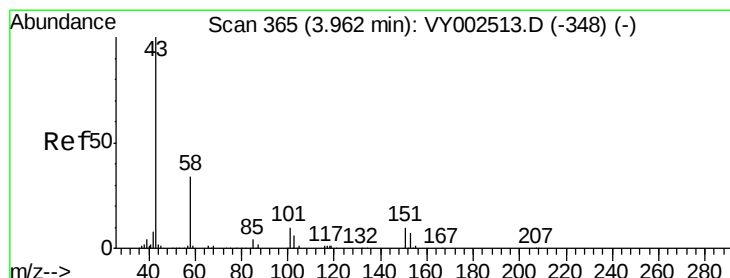
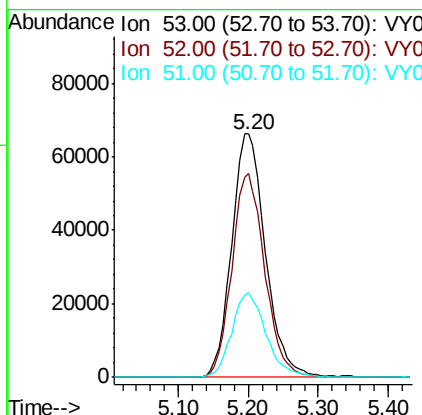
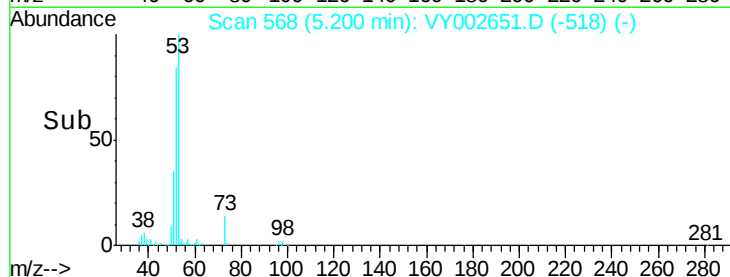
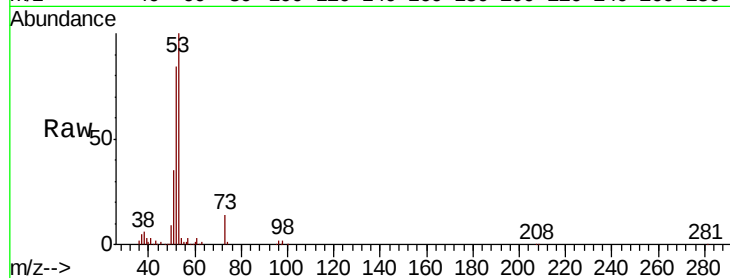
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	222136
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.4	98.0
51	35.7	28.7	43.1

Manual Integrations
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MMDadoda
5/12/2020 12:10:01 PM



#16

Acetone

Concen: 222.373 ug/l

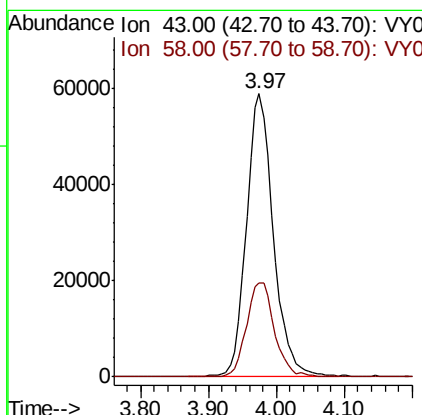
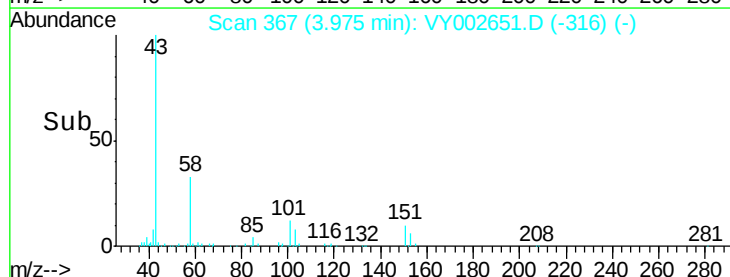
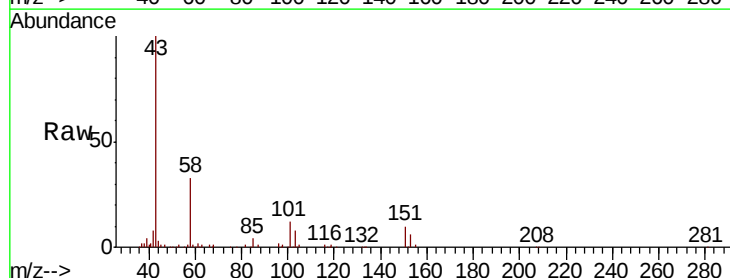
RT: 3.97 min Scan# 367

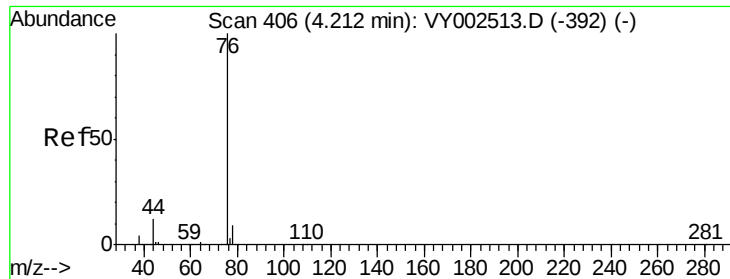
Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Tgt Ion:	43	Resp:	162348
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.9	40.3





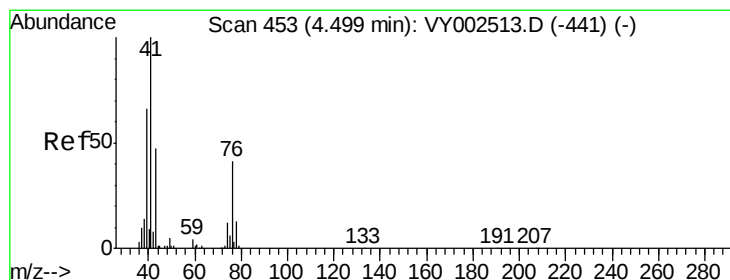
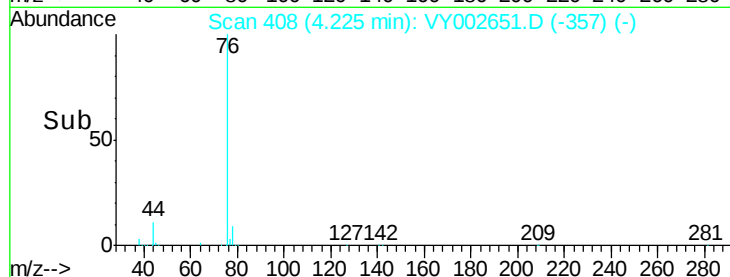
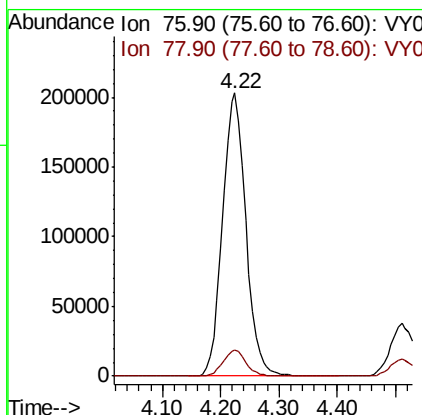
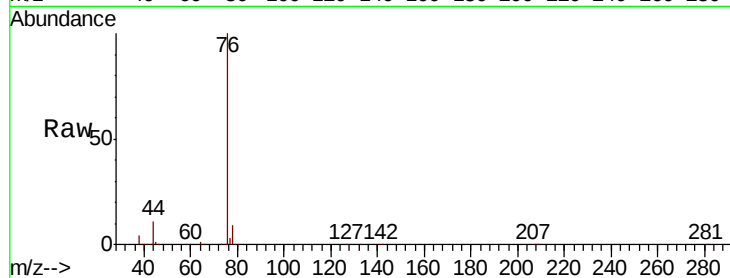
#17
Carbon Disulfide
Concen: 51.748 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

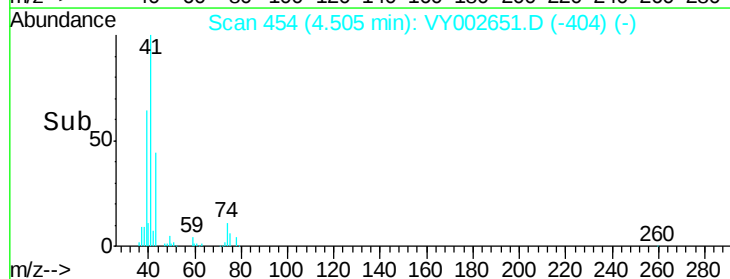
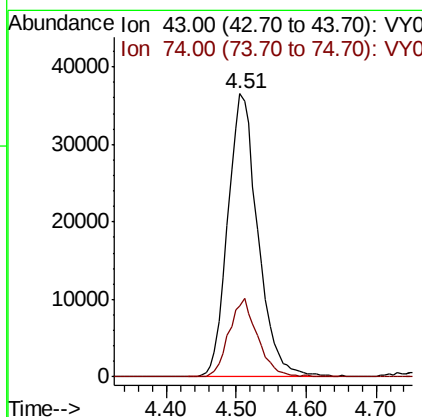
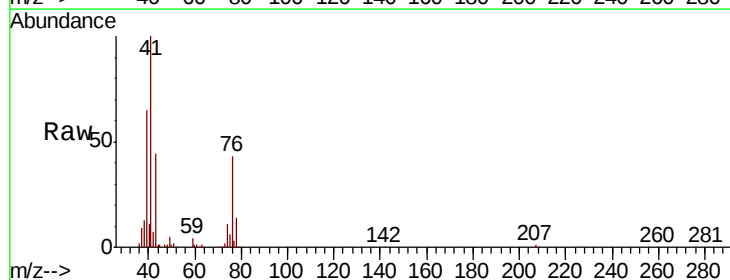
Manual Integrations
APPROVED

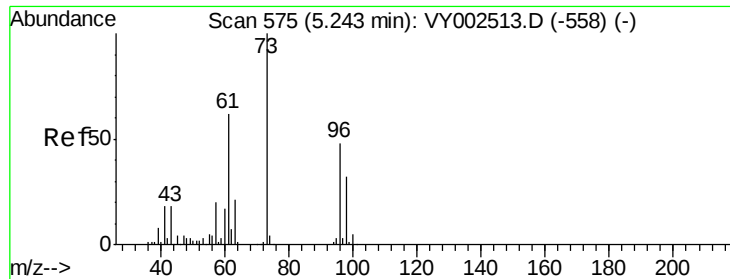
MMDadoda
5/12/2020 12:10:01 PM



#18
Methyl Acetate
Concen: 44.869 ug/l
RT: 4.51 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.2	31.8





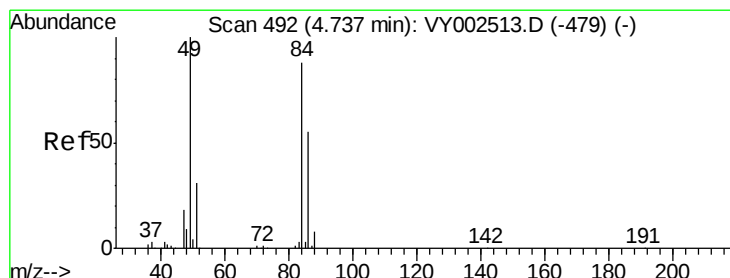
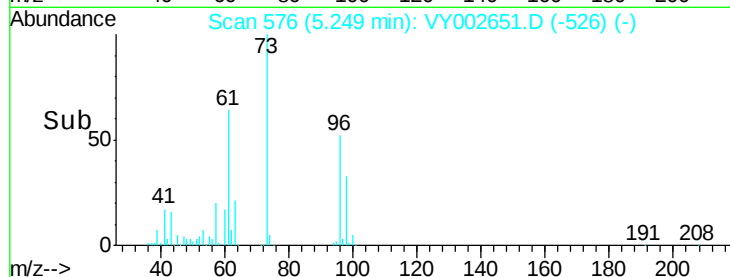
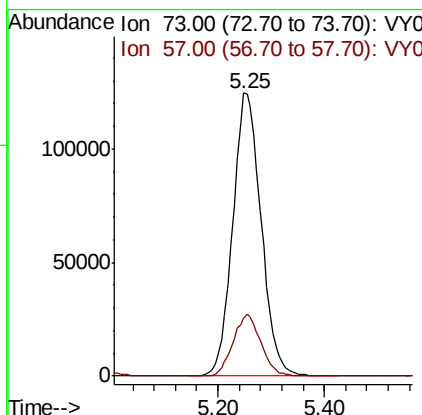
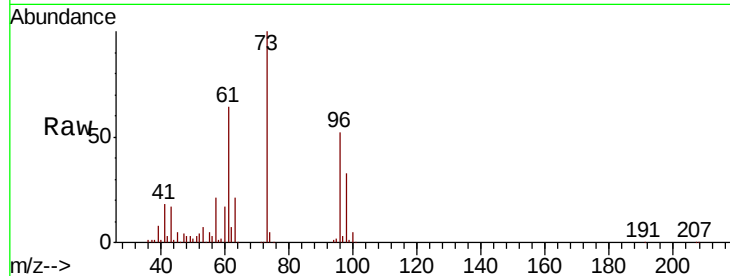
#19
Methvl tert-butvl Ether
Concen: 48.824 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 461355
Ion Ratio Lower Upper
73 100
57 20.7 16.3 24.5

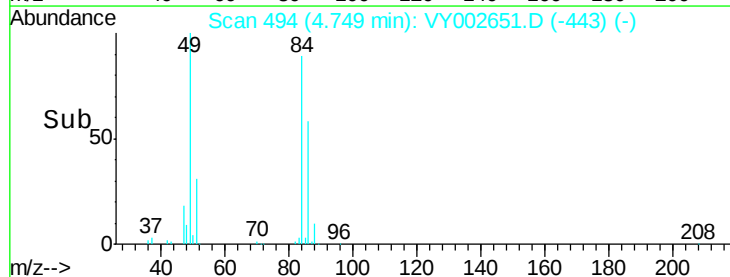
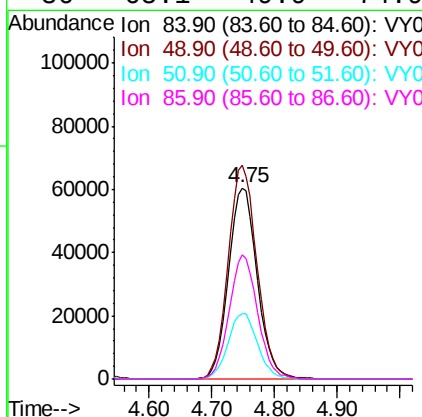
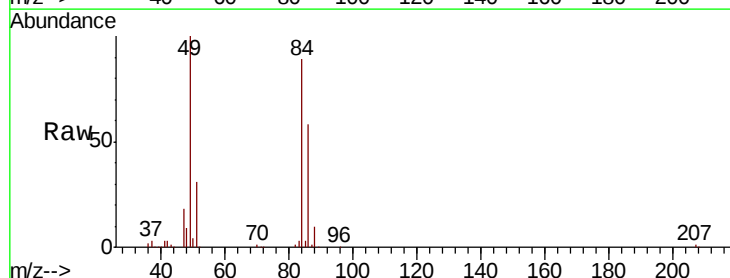
Manual Integrations
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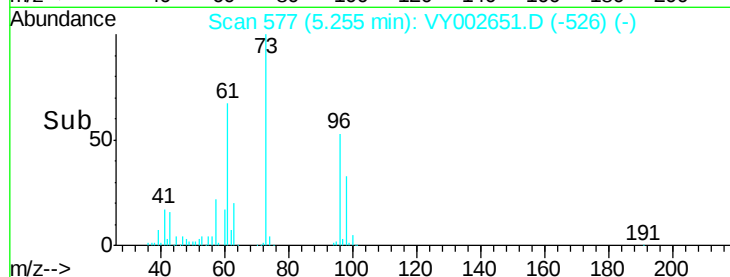
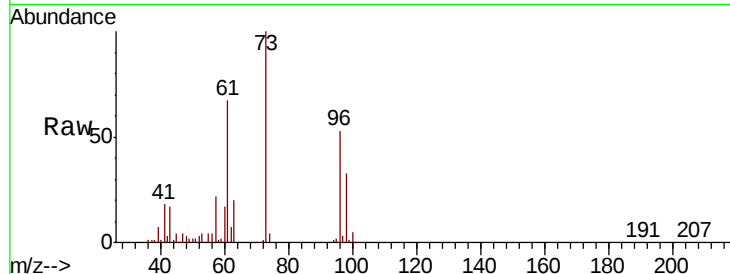
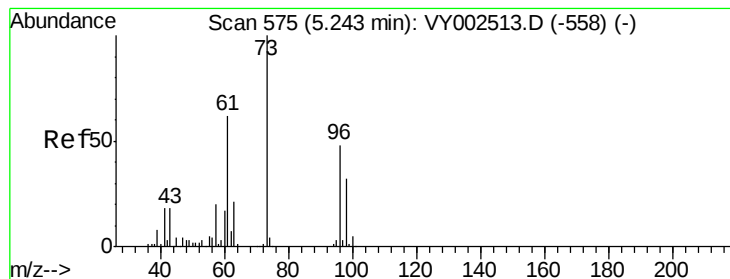
MMDadoda
5/12/2020 12:10:01 PM



#20
Methylene Chloride
Concen: 47.019 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion: 84 Resp: 191963
Ion Ratio Lower Upper
84 100
49 111.8 90.5 135.7
51 34.4 28.3 42.5
86 65.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 51.894 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002651.D

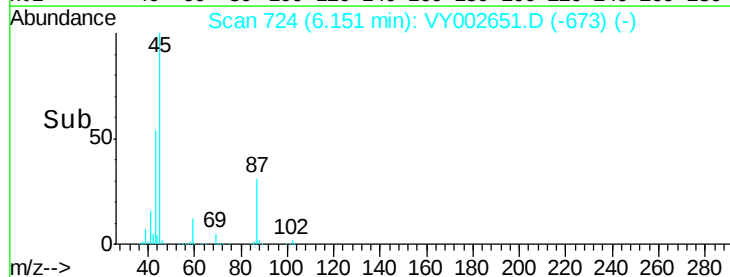
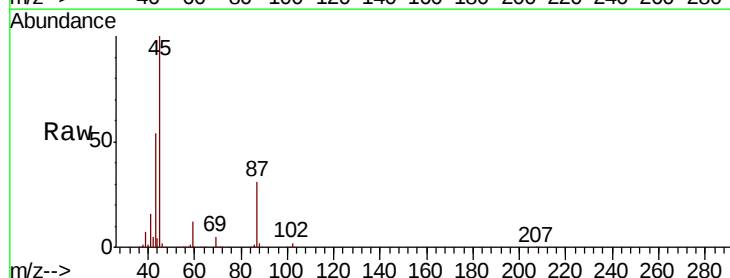
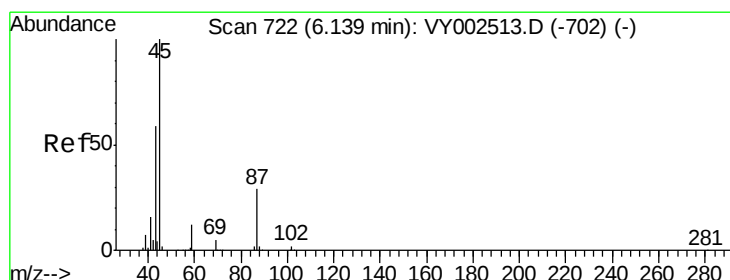
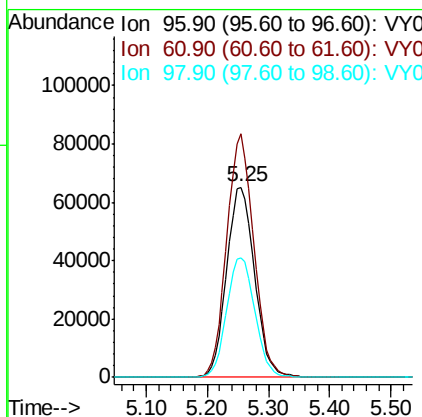
Acq: 11 May 2020 10:05

Tot Ion:	96	Resp:	205425
Ion	Ratio	Lower	Upper
96	100		
61	127.9	102.0	153.0
98	62.8	53.0	79.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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MMDadoda
5/12/2020 12:10:01 PM



#22

Diisopropyl ether

Concen: 50.986 ug/l

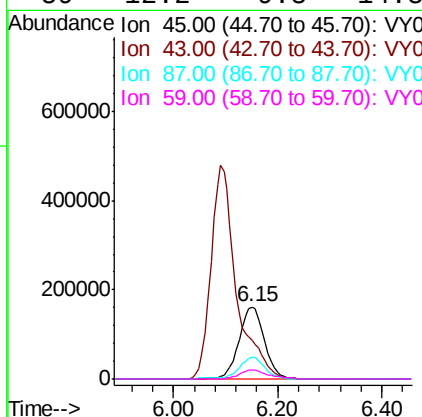
RT: 6.15 min Scan# 724

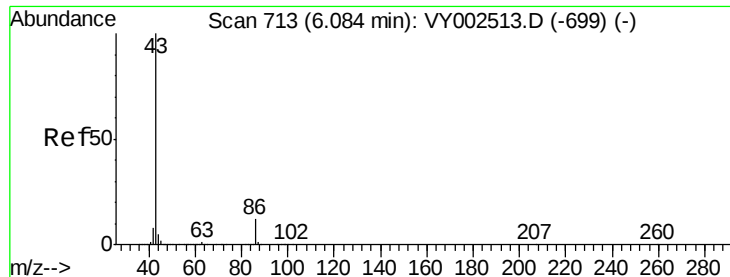
Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Tgt Ion:	45	Resp:	544398
Ion	Ratio	Lower	Upper
45	100		
43	53.9	47.4	71.0
87	30.5	24.0	36.0
59	12.2	9.8	14.8





#23

Vinyl Acetate

Concen: 243.744 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1636741

Ion Ratio Lower Upper

43 100

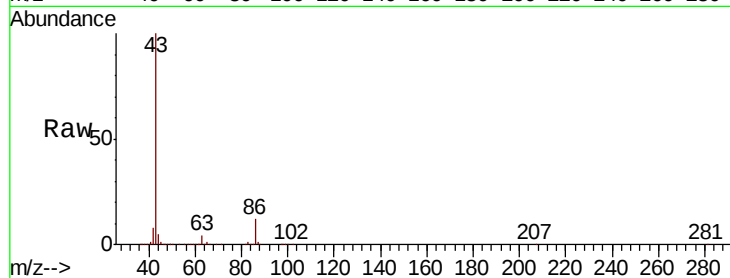
86 12.1 9.8 14.6

Manual Integrations

APPROVED

MMDadoda

5/12/2020 12:10:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.09

500000

400000

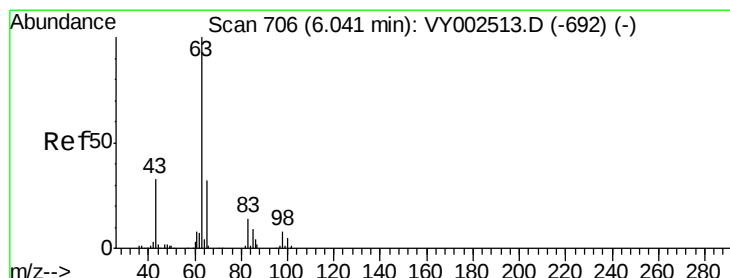
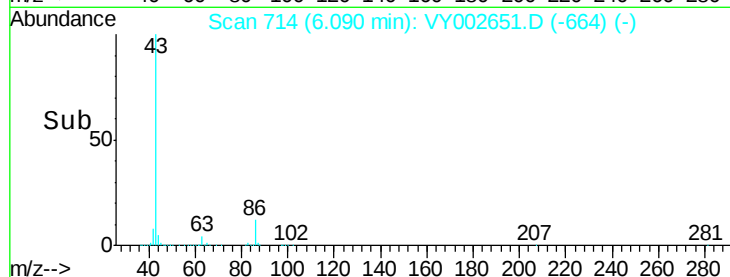
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.627 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

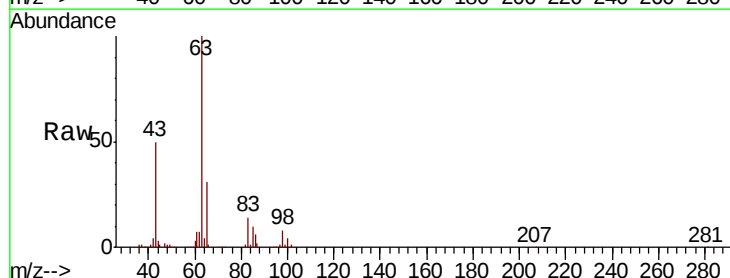
Tgt Ion: 63 Resp: 326116

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

100 4.3 2.4 7.2



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

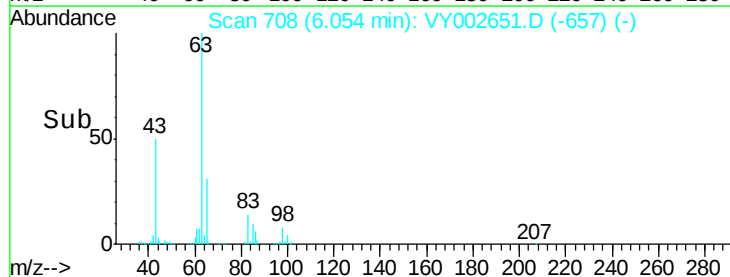
6.05

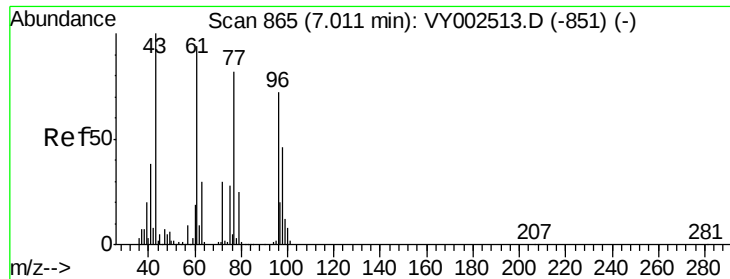
100000

50000

0

Time-->





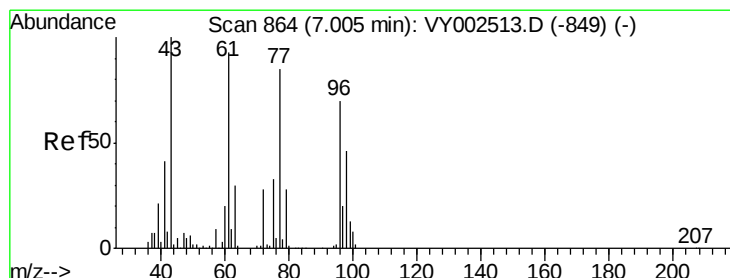
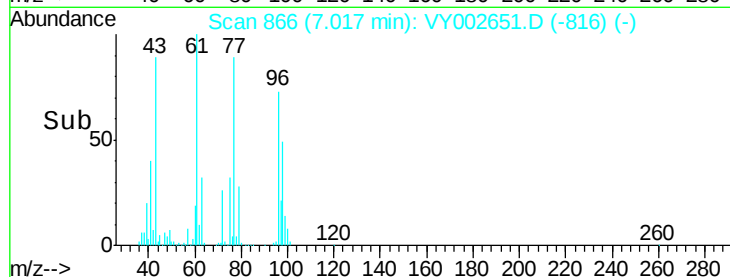
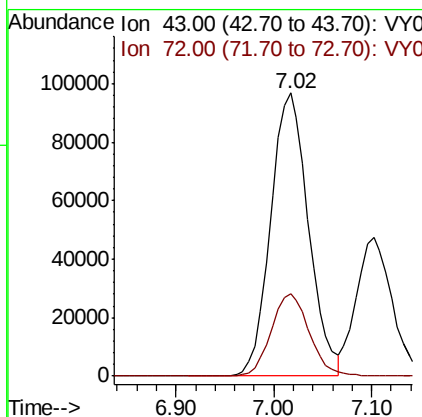
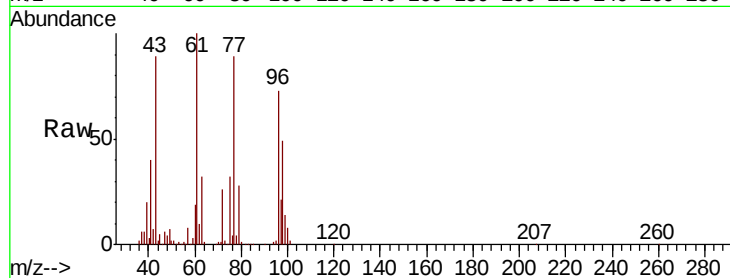
#25
2-Butanone
Concen: 218.403 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 261009
Ion Ratio Lower Upper
43 100
72 29.3 24.1 36.1

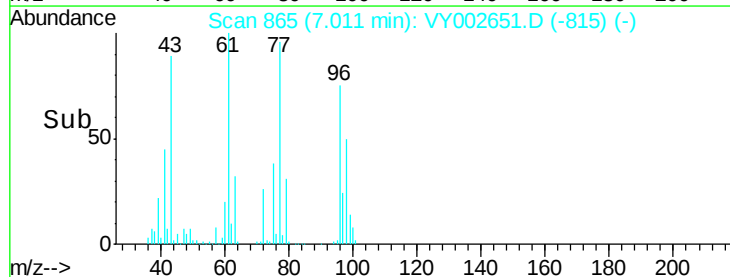
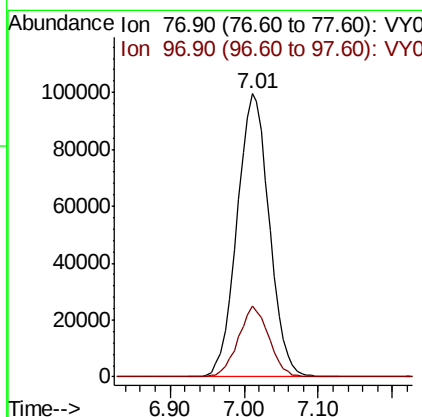
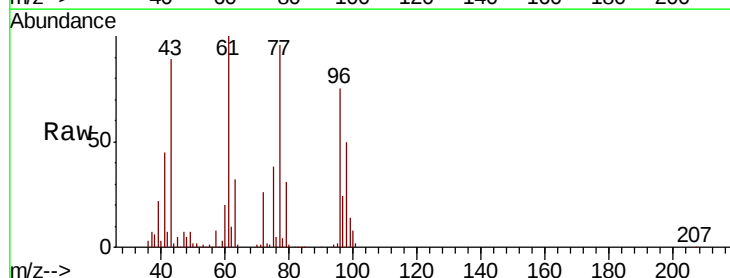
Manual Integrations
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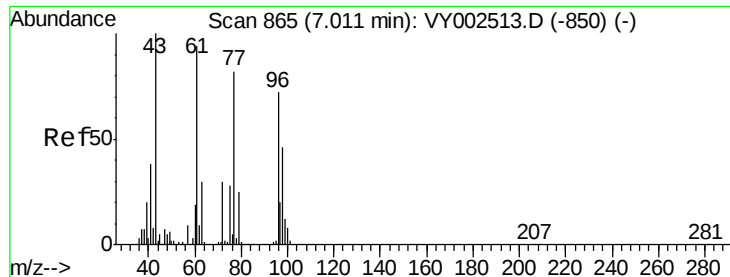
MMDadoda
5/12/2020 12:10:01 PM



#26
2,2-Dichloropropane
Concen: 50.409 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion: 77 Resp: 302667
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.5





#27

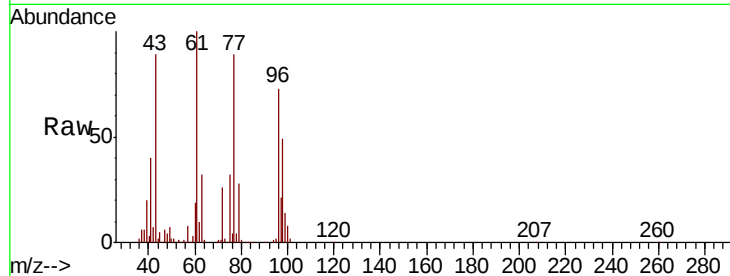
cis-1,2-Dichloroethene
 Concen: 50.569 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

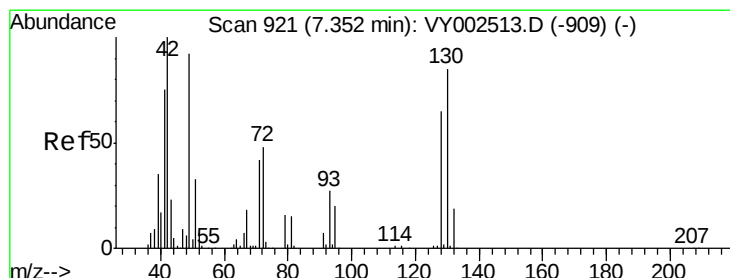
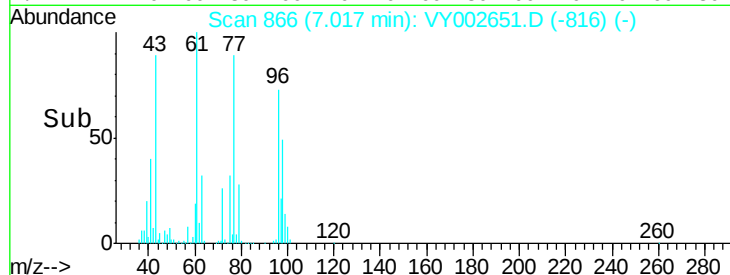
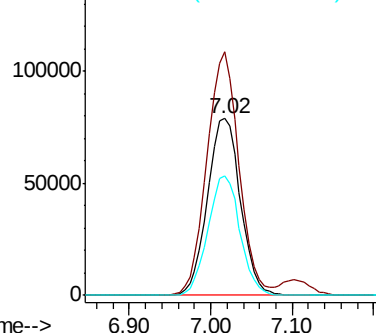
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.4	0.0	266.6	
98	65.6	0.0	129.2	

Manual Integrations
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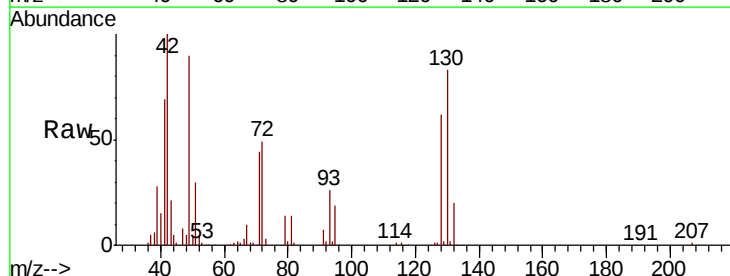
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



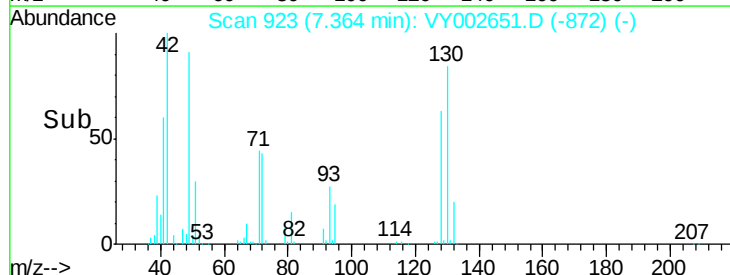
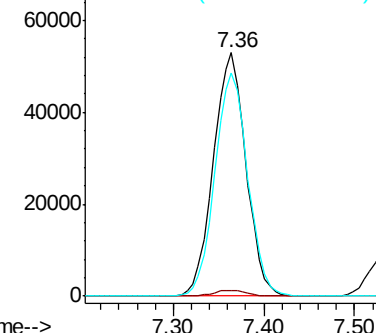
#28

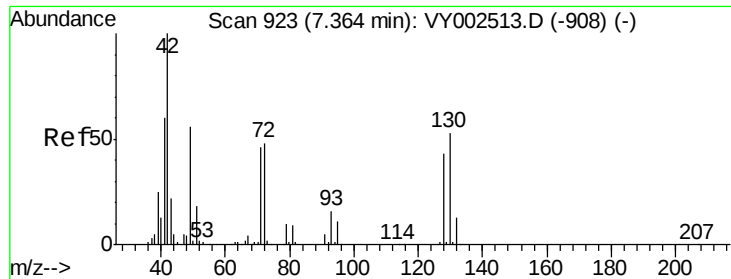
Bromochloromethane
 Concen: 50.892 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.8	
130	92.1	72.5	108.7	



Abundance Ion 48.90 (48.60 to 49.60): VY0
 Ion 128.80 (128.50 to 129.50): VY0
 Ion 129.80 (129.50 to 130.50): VY0





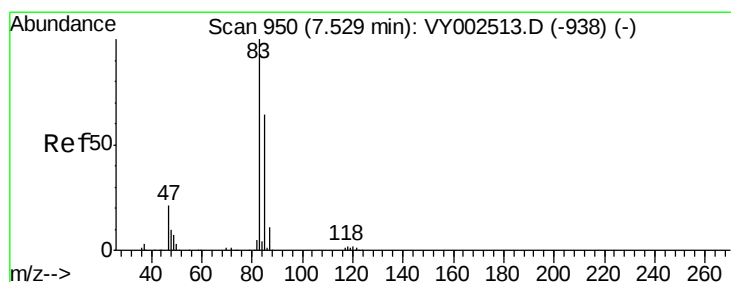
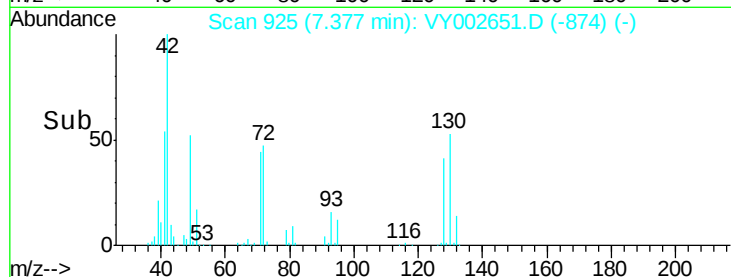
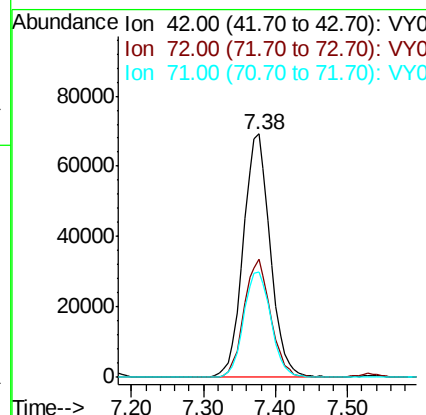
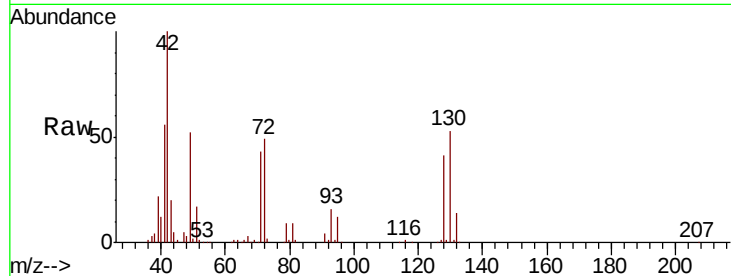
#29
Tetrahydrofuran
Concen: 227.966 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.4	56.2
71	43.8	35.0	52.4

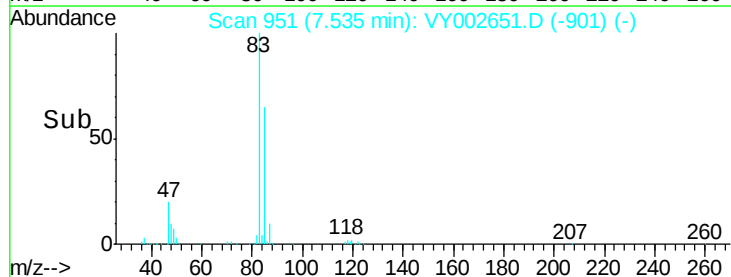
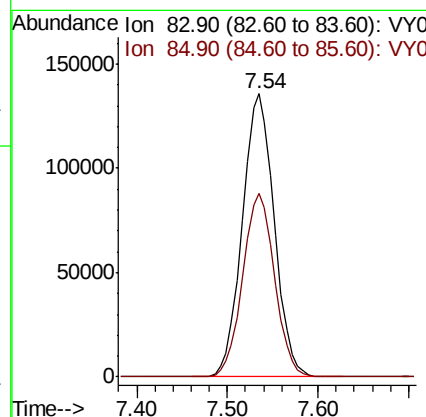
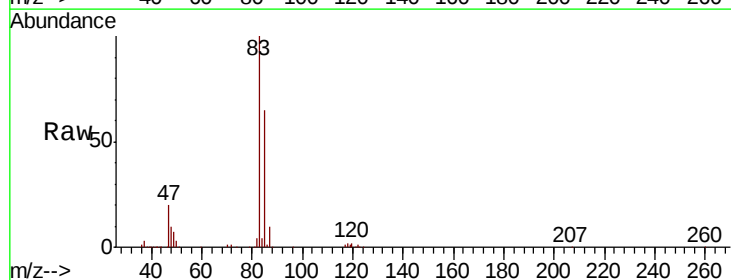
Manual Integrations
APPROVED

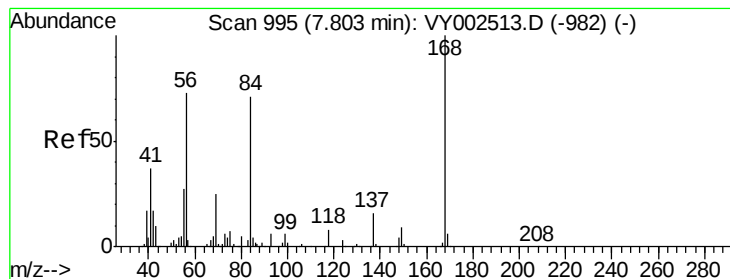
MMDadoda
5/12/2020 12:10:01 PM



#30
Chloroform
Concen: 50.220 ug/l
RT: 7.54 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





#31

Cyclohexane

Concen: 48.481 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

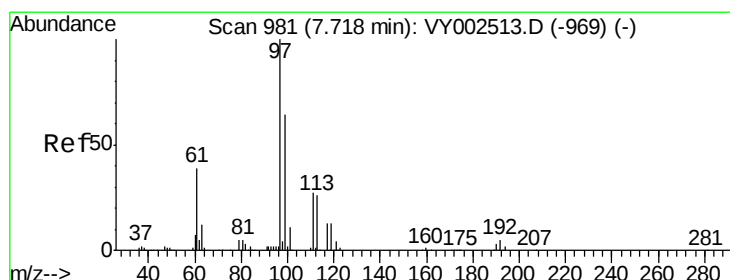
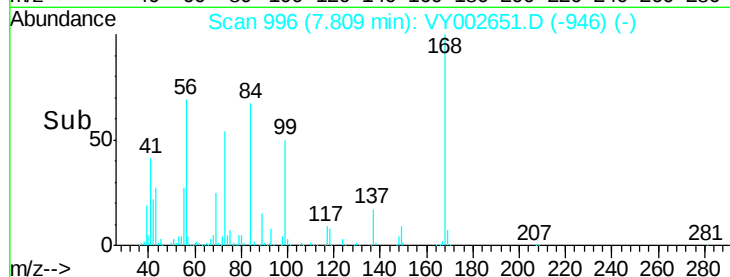
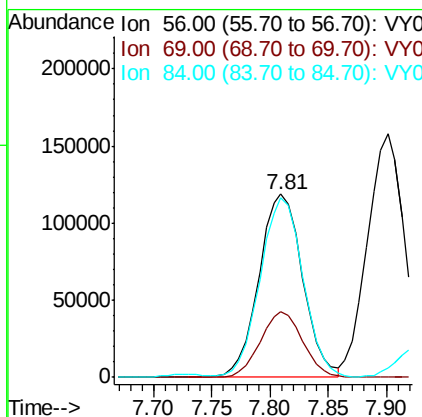
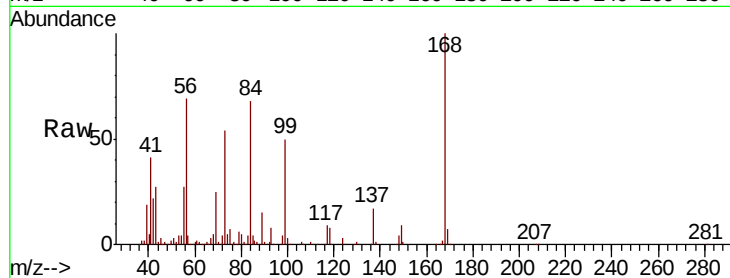
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	308258
Ion	Ratio	Lower	Upper
56	100		
69	35.6	27.6	41.4
84	96.5	77.7	116.5

Manual Integrations
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5/12/2020 12:10:01 PM



#32

1,1,1-Trichloroethane

Concen: 50.589 ug/l

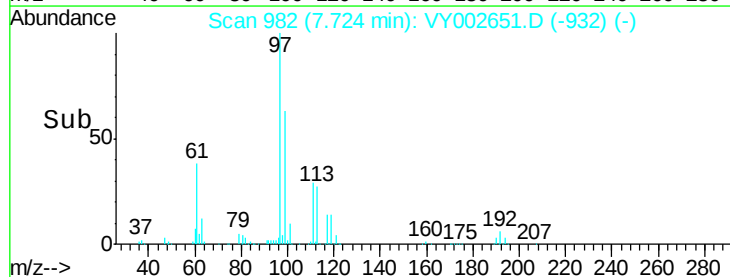
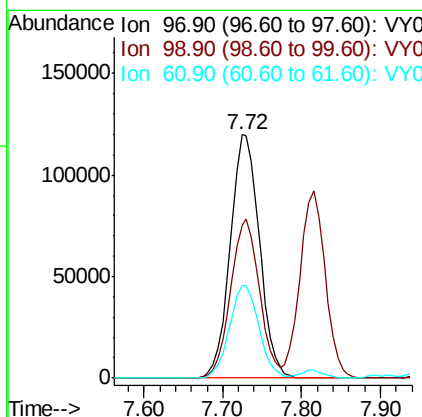
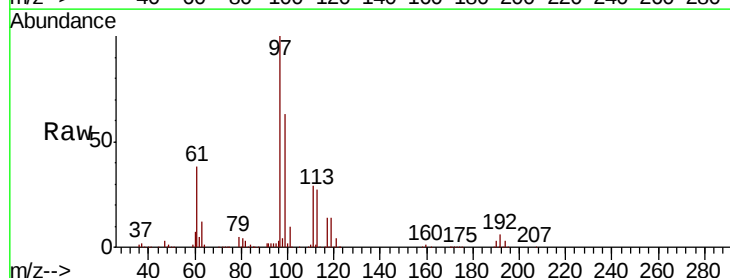
RT: 7.72 min Scan# 982

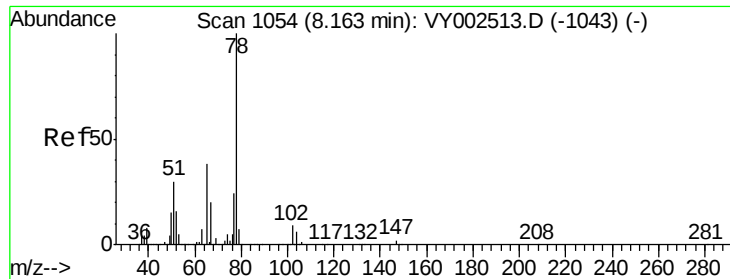
Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Tgt Ion	97	Resp	308834
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.9	77.9
61	38.4	31.0	46.6





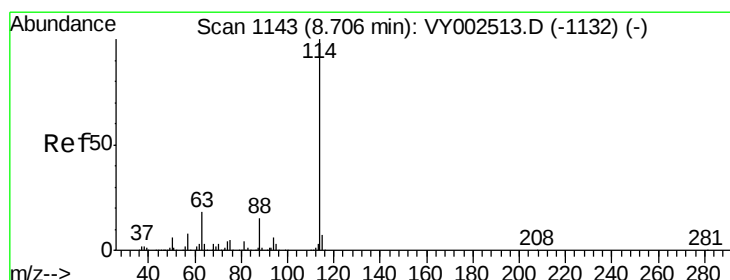
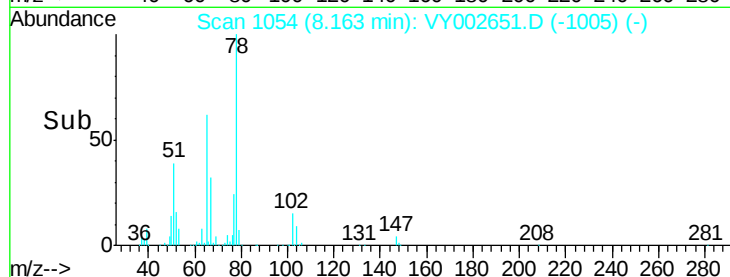
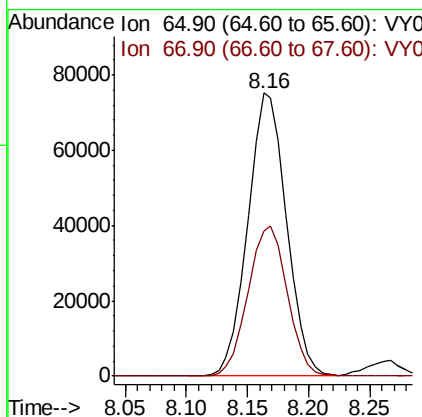
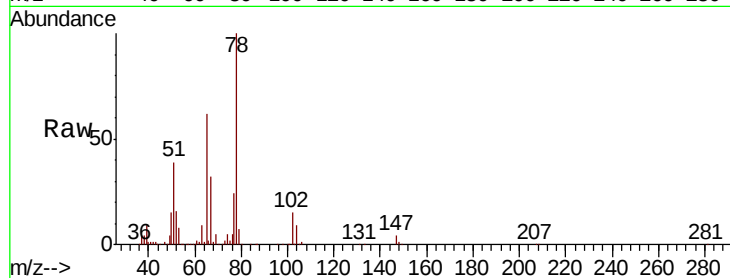
#33
 1,2-Dichloroethane-d4
 Concen: 46.771 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165455		
67	53.9	0.0	107.2	

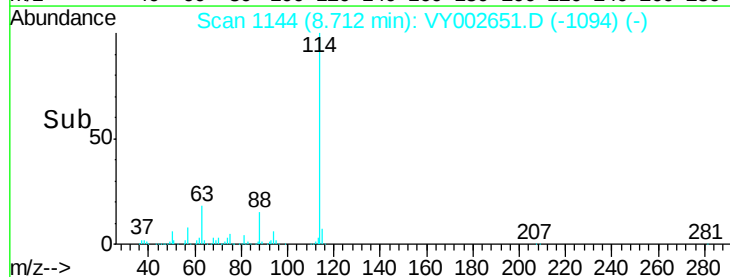
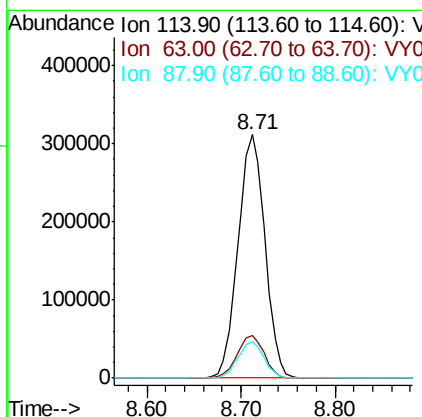
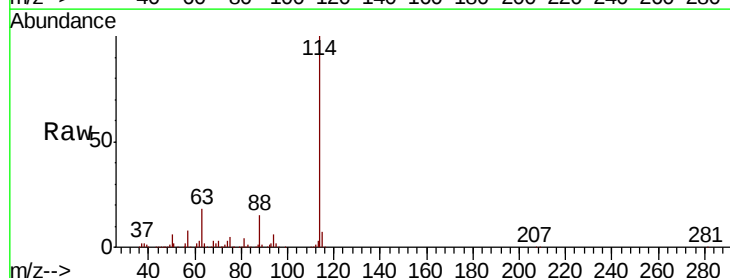
Manual Integrations
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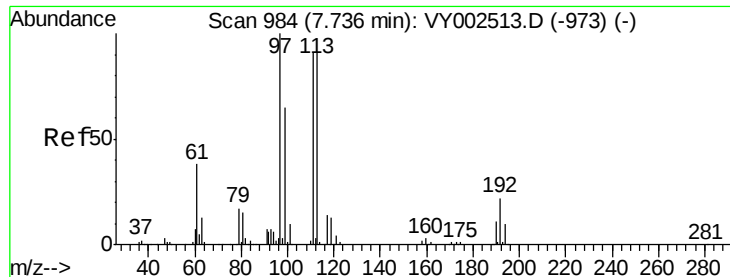
MMDadoda
 5/12/2020 12:10:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	615803		
63	17.5	0.0	36.4	
88	14.9	0.0	29.6	





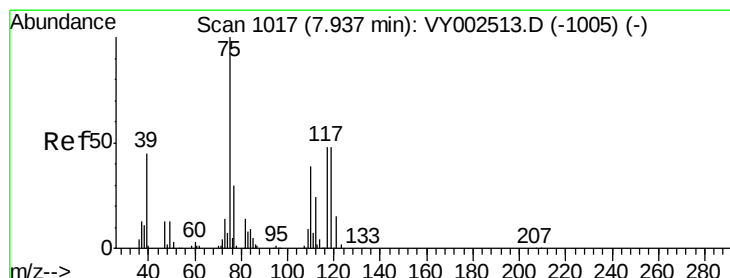
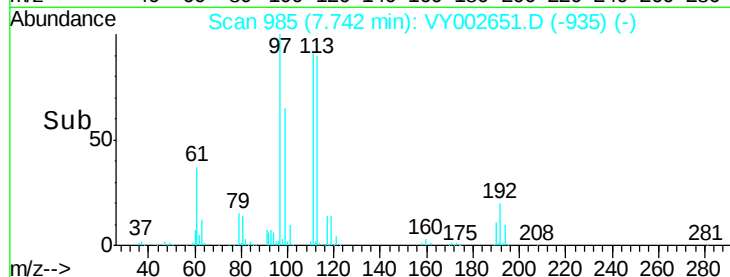
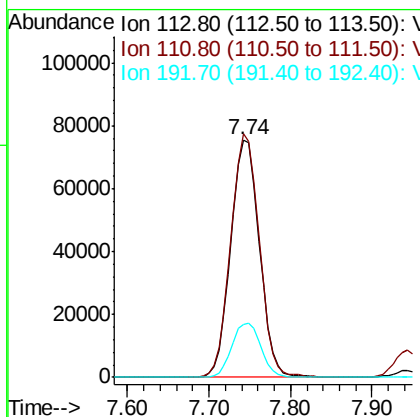
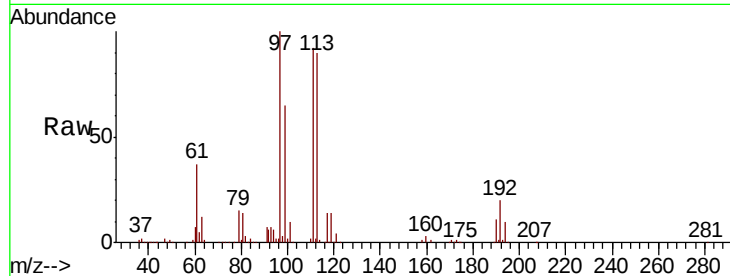
#35
 Dibromofluoromethane
 Concen: 51.833 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	113	Resp:	182544
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.8	122.6
192	23.2	18.2	27.4

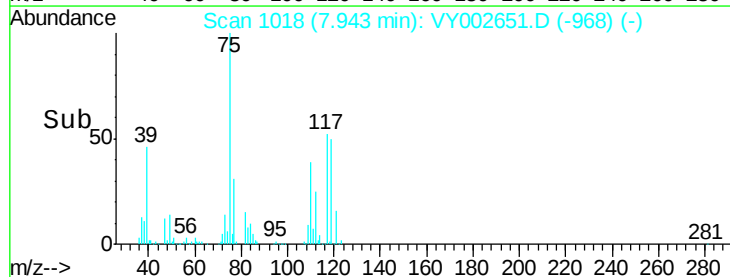
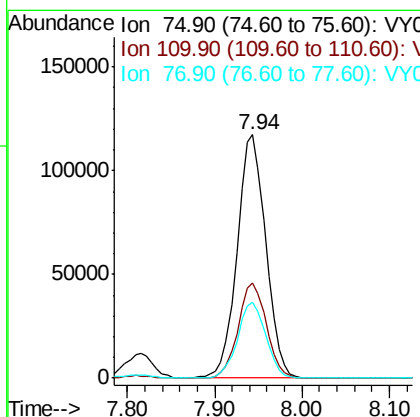
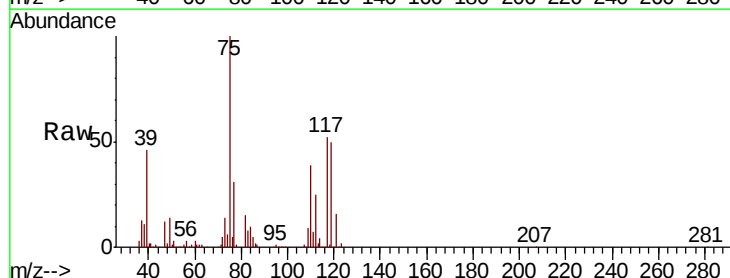
Manual Integrations
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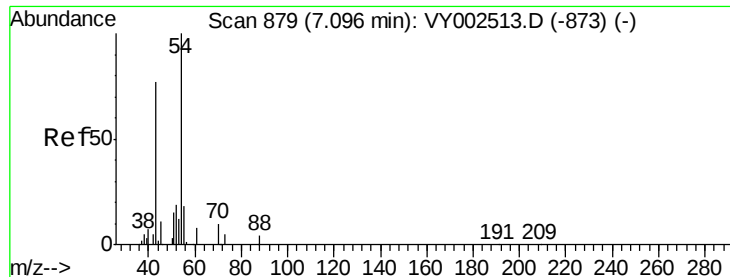
MMDadoda
 5/12/2020 12:10:01 PM



#36
 1,1-Dichloropropene
 Concen: 51.767 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion:	75	Resp:	267238
Ion Ratio	Lower	Upper	
75	100		
110	38.5	19.1	57.3
77	31.0	24.6	37.0





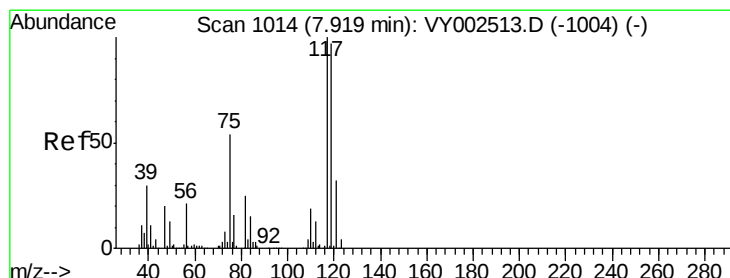
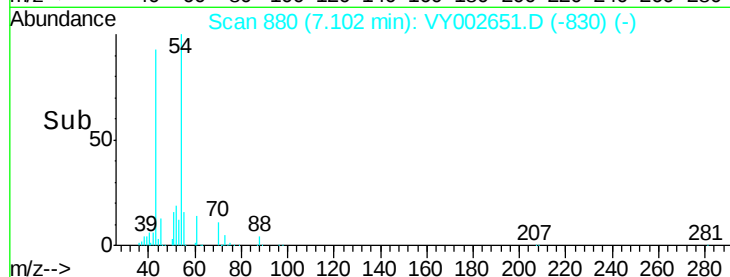
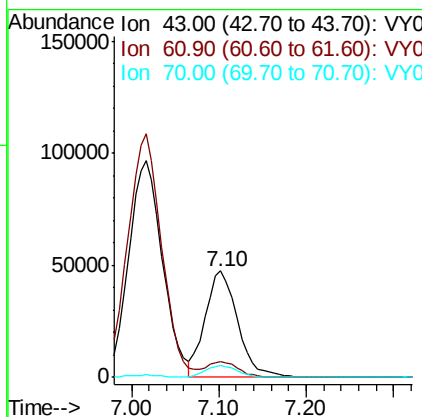
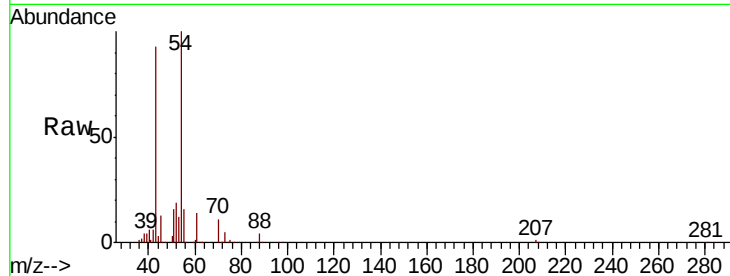
#37
Ethyl Acetate
Concen: 46.281 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.6	17.4
70	11.2	9.0	13.6

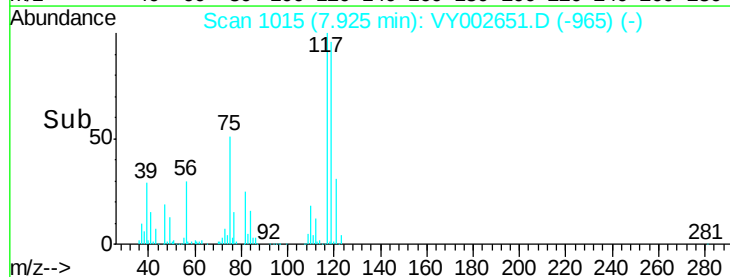
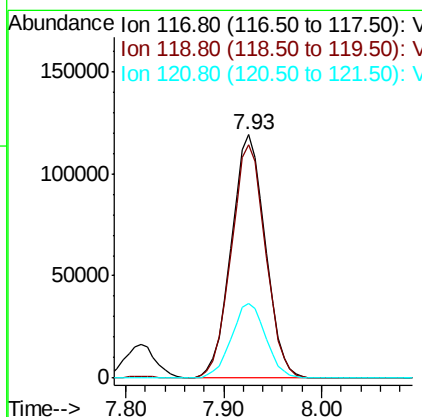
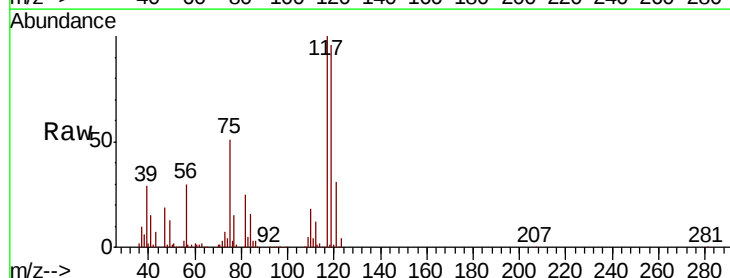
Manual Integrations
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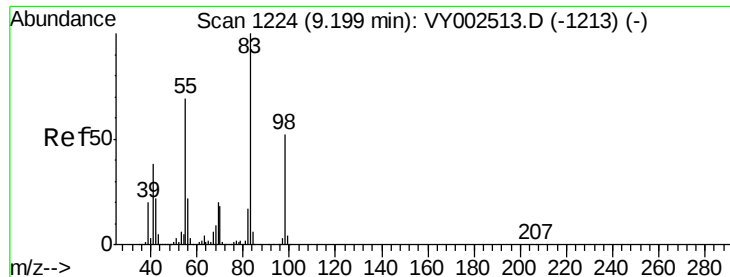
MMDadoda
5/12/2020 12:10:01 PM



#38
Carbon Tetrachloride
Concen: 51.054 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
121	30.7	25.2	37.8





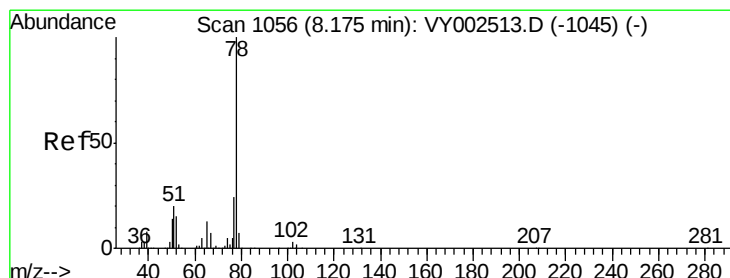
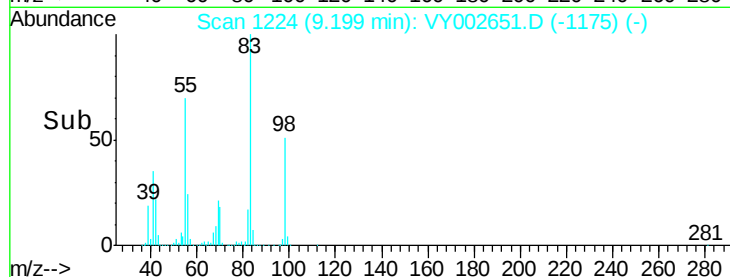
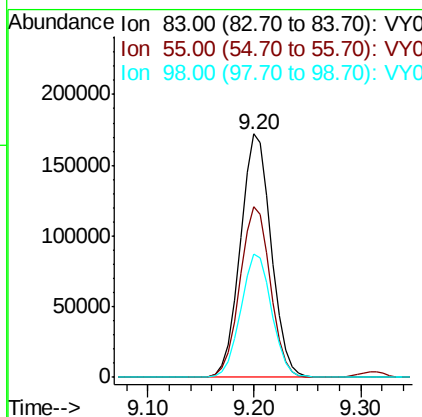
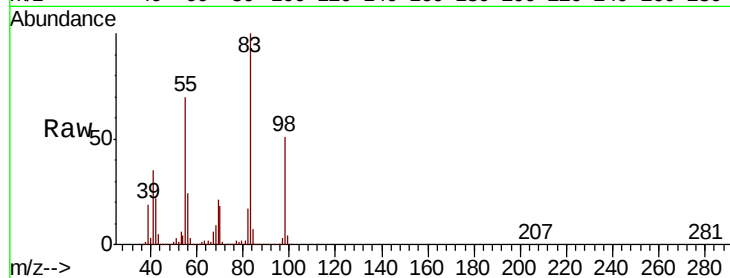
#39
Methvlcvclohexane
Concen: 51.321 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	55.4	83.0
98	50.8	41.3	61.9

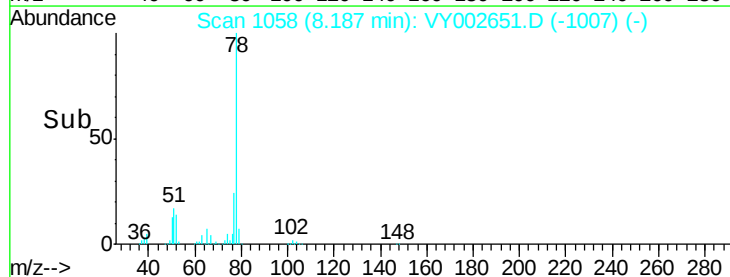
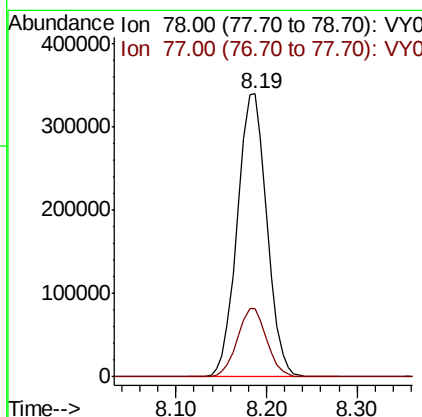
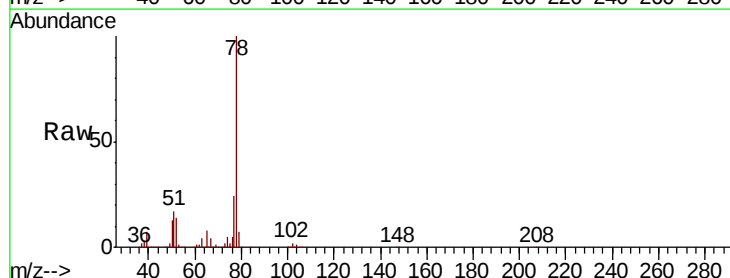
Manual Integrations
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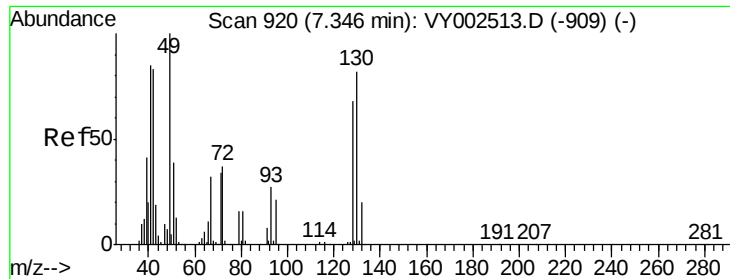
MMDadoda
5/12/2020 12:10:01 PM



#40
Benzene
Concen: 51.529 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





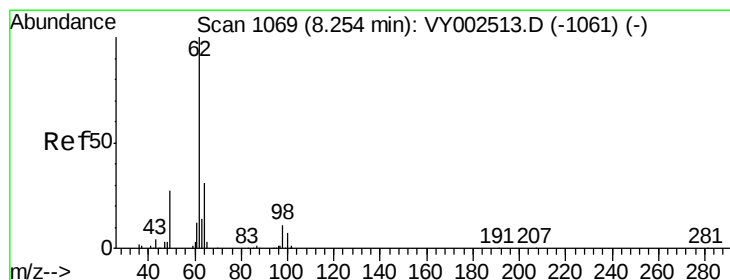
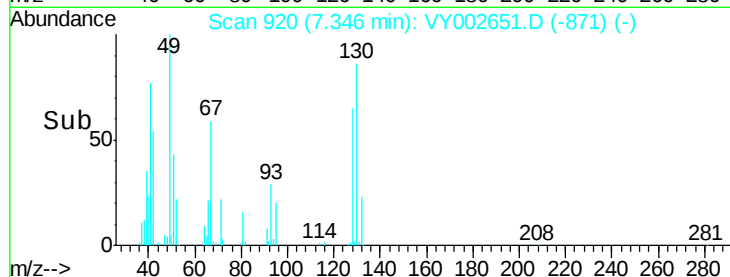
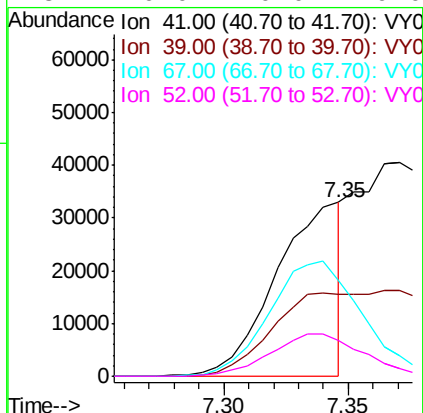
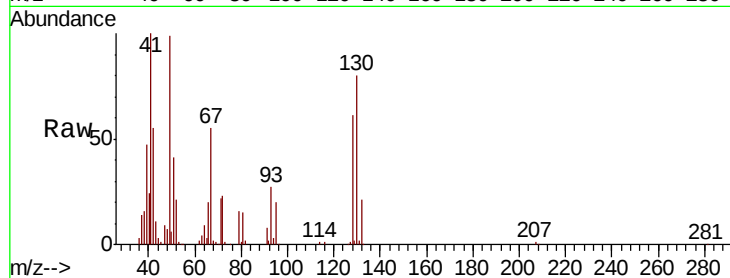
#41
Methacrylonitrile
Concen: 42.915 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

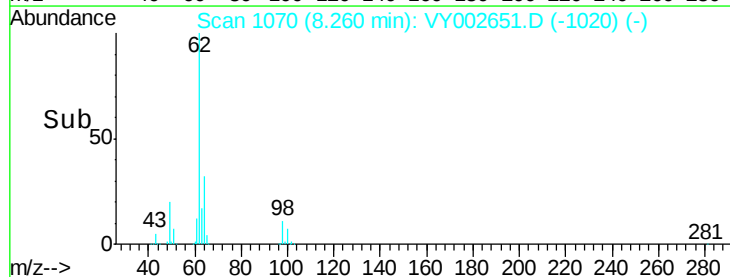
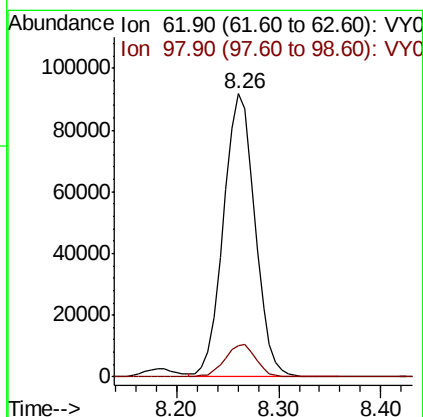
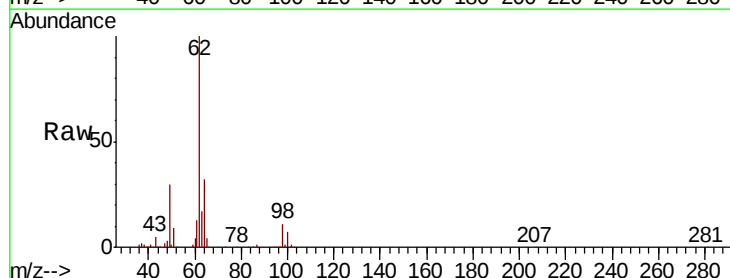
Manual Integrations
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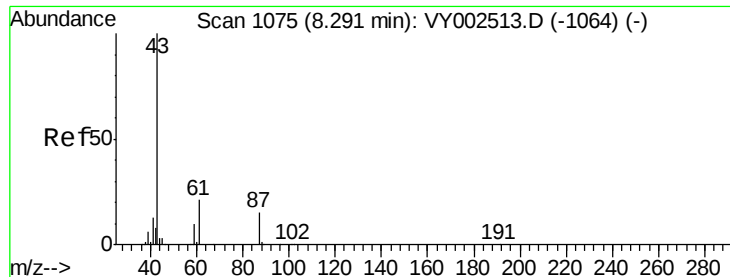
MMDadoda
5/12/2020 12:10:01 PM



#42
1,2-Dichloroethane
Concen: 46.999 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 47.787 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

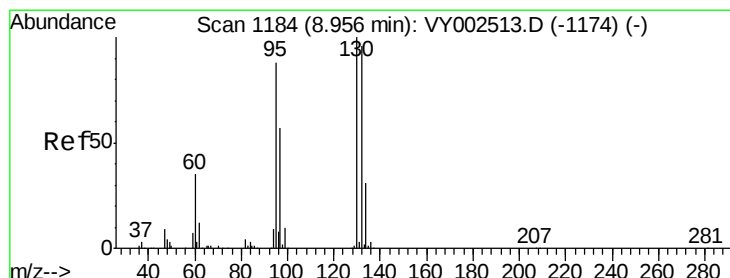
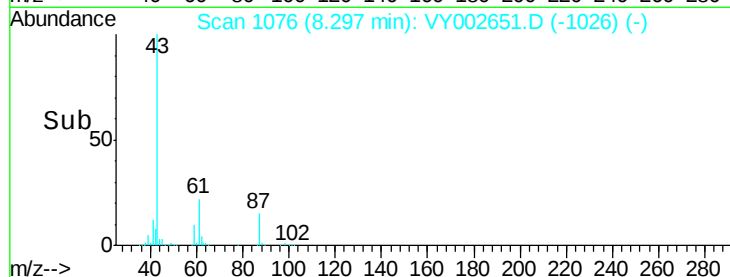
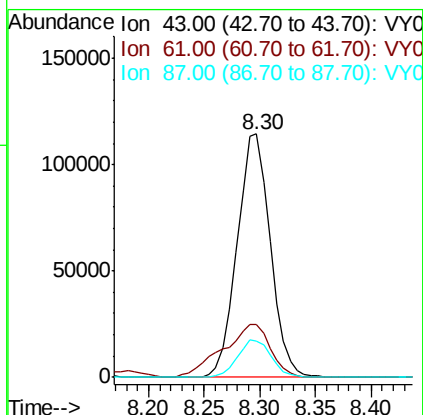
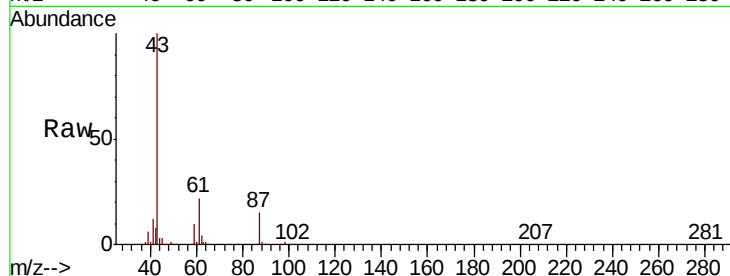
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	237656
Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.8	37.2
87	15.4	12.2	18.2

Manual Integrations
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#44

Trichloroethene

Concen: 52.575 ug/l

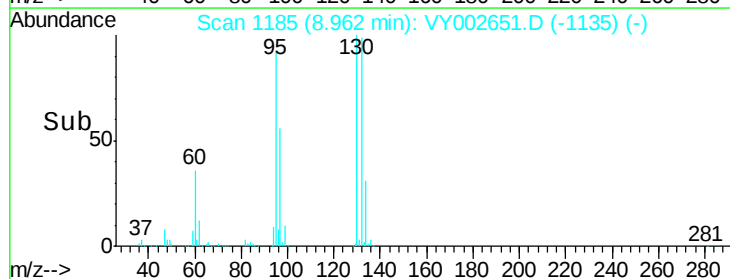
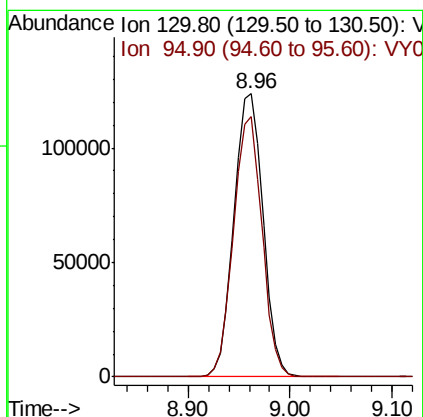
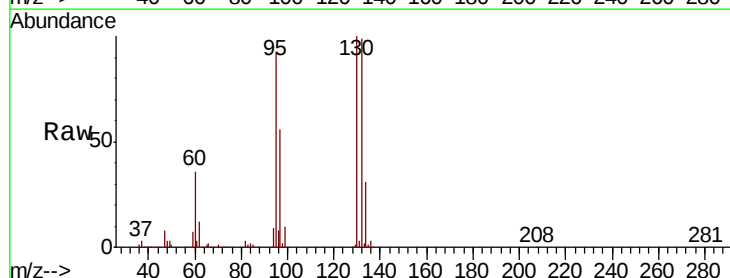
RT: 8.96 min Scan# 1185

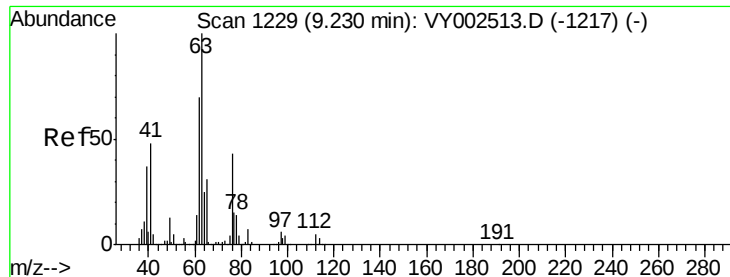
Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Tgt Ion:	130	Resp:	244975
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	175.8





#45

1,2-Dichloropropane

Concen: 51.169 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 184129

Ion Ratio Lower Upper

63 100

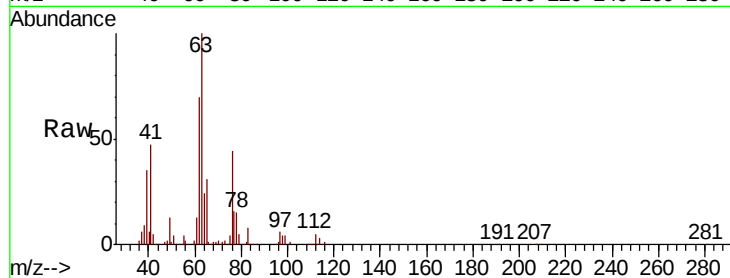
65 30.8 24.5 36.7

Manual Integrations

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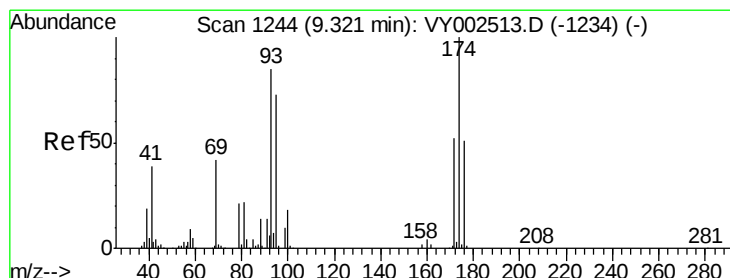
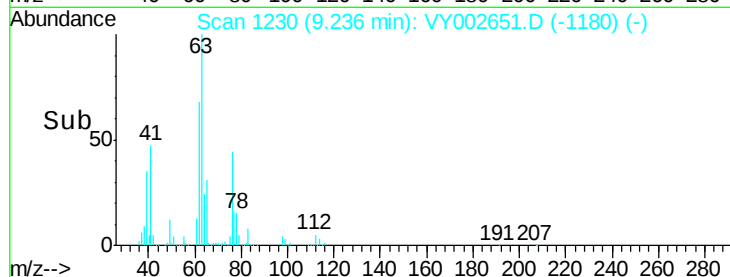
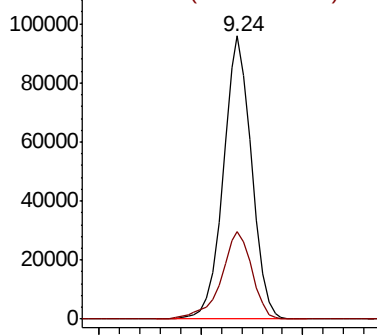
MMDadoda

5/12/2020 12:10:01 PM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 48.745 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

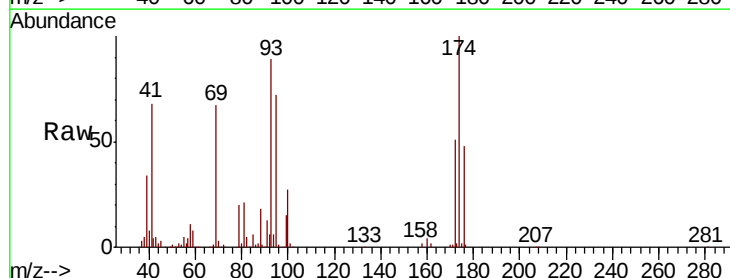
Tgt Ion: 93 Resp: 100921

Ion Ratio Lower Upper

93 100

95 82.3 67.0 100.4

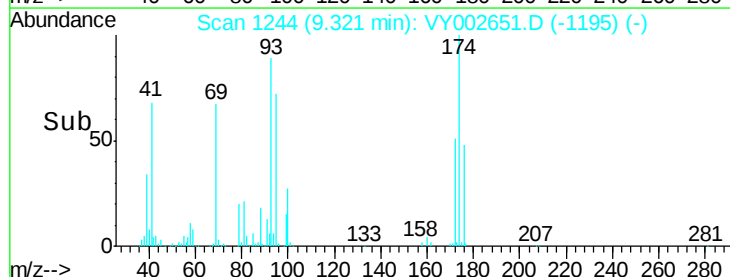
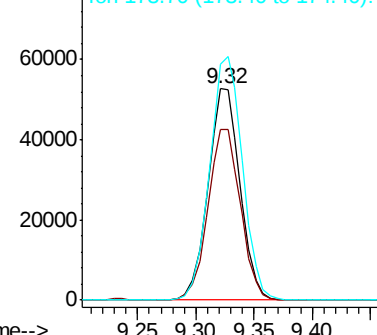
174 118.2 92.7 139.1

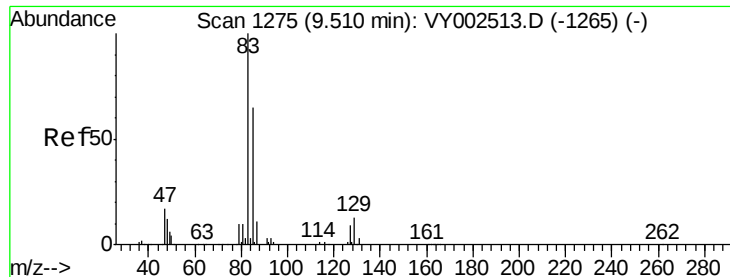


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 50.471 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

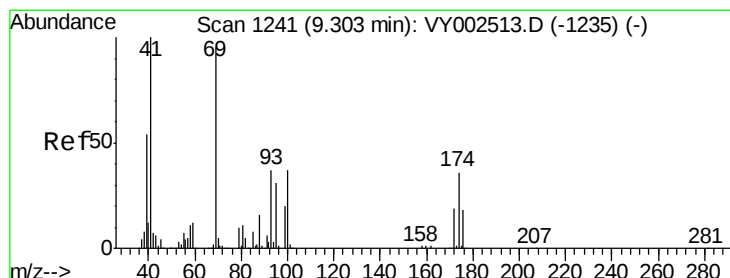
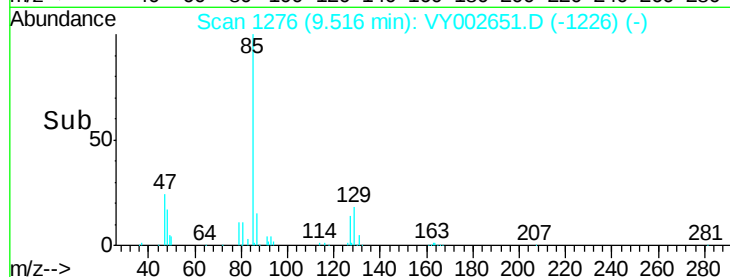
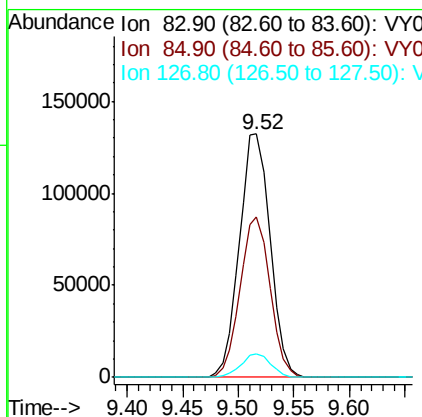
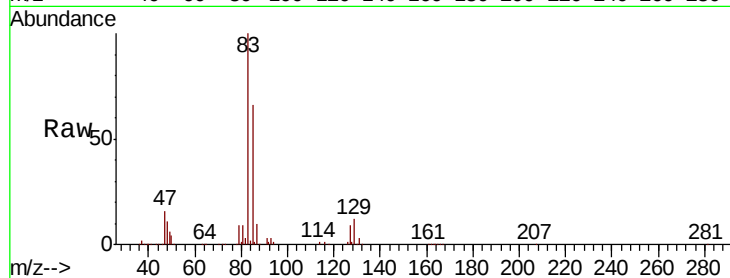
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	254083
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.8	77.8
127	9.5	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.499 ug/l

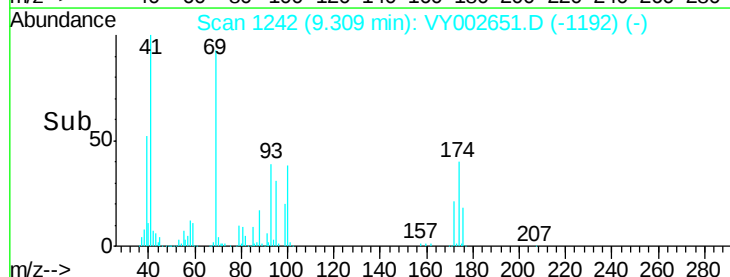
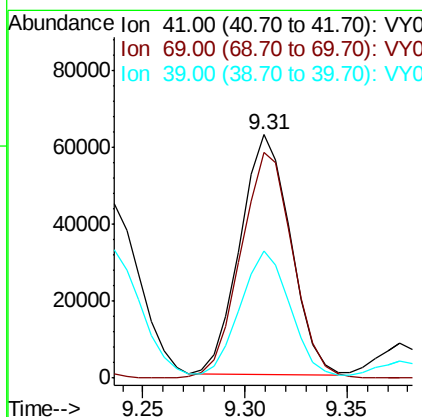
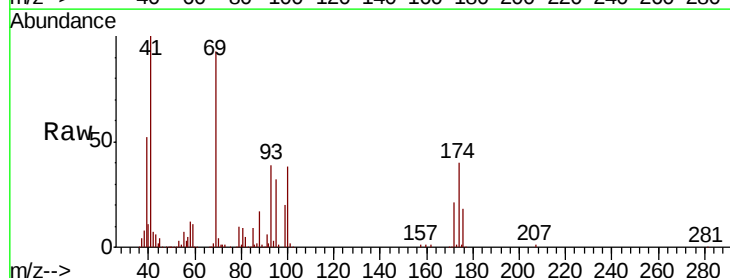
RT: 9.31 min Scan# 1242

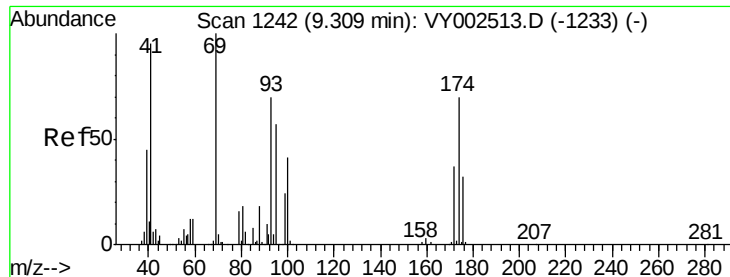
Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Tgt Ion:	41	Resp:	106908
Ion Ratio	Lower	Upper	
41	100		
69	97.5	76.2	114.4
39	51.1	42.7	64.1





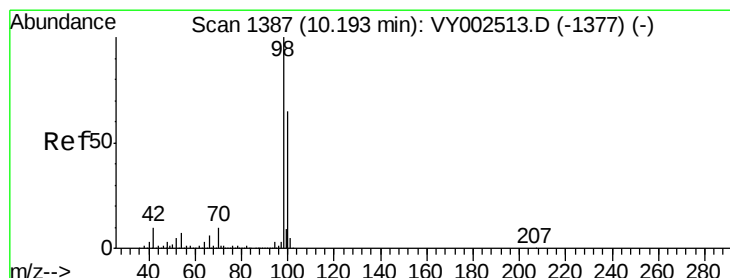
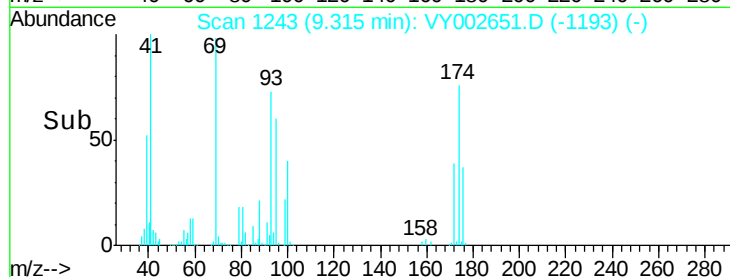
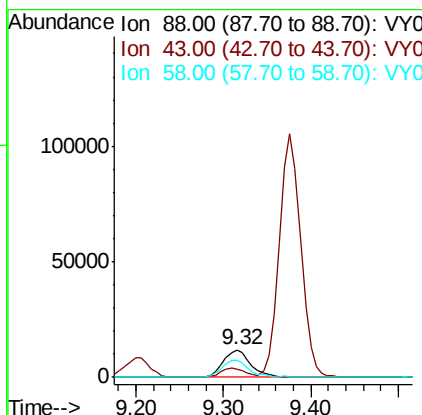
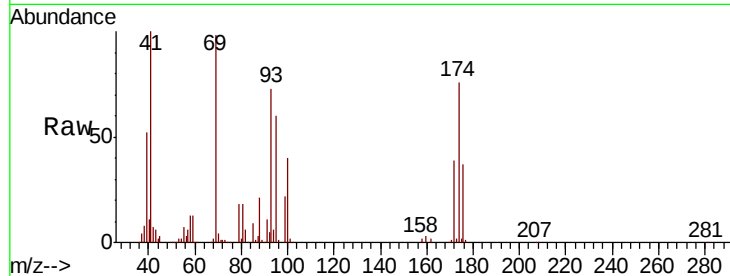
#49
1,4-Dioxane
Concen: 941.314 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	22.8	34.2
58	62.2	51.4	77.2

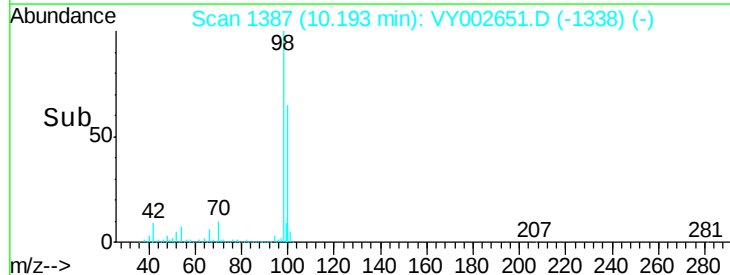
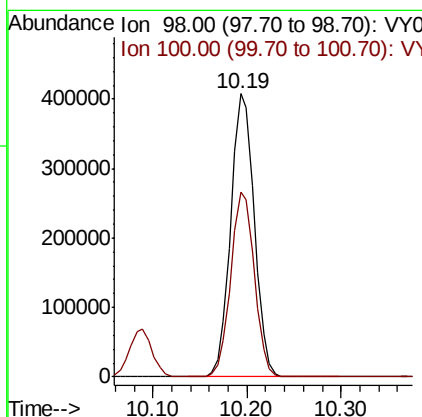
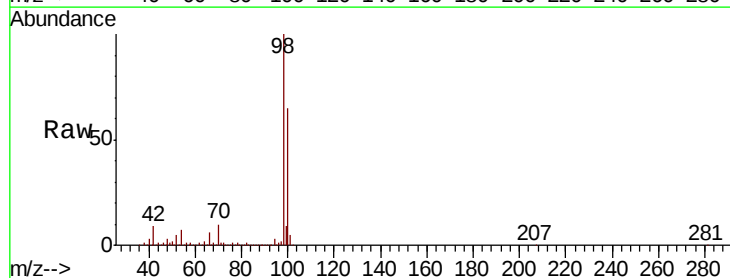
Manual Integrations
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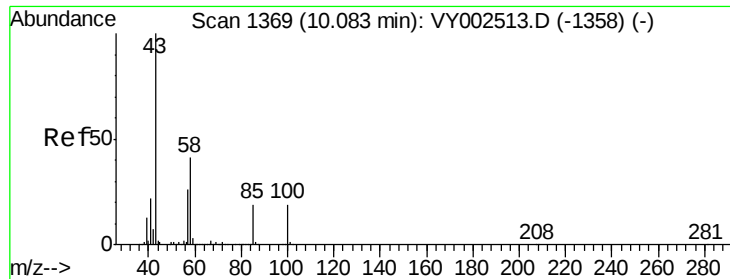
MMDadoda
5/12/2020 12:10:01 PM



#50
Toluene-d8
Concen: 51.381 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





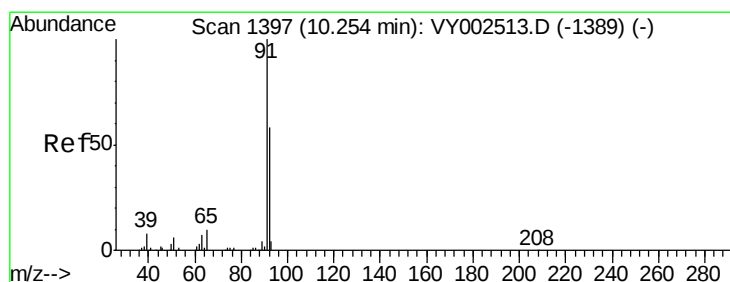
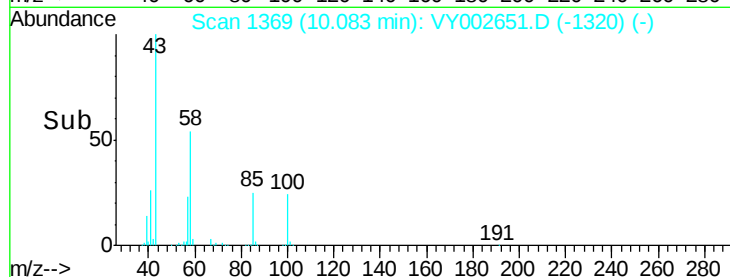
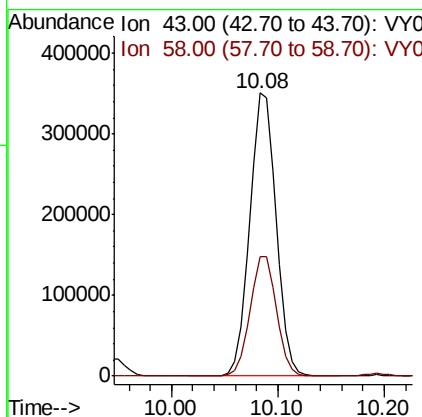
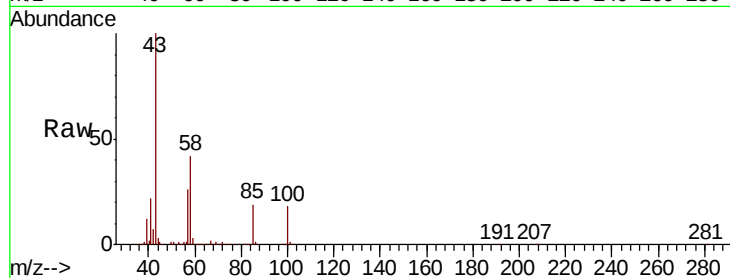
#51
4-Methyl-2-Pentanone
Concen: 238.461 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.3	33.2	49.8

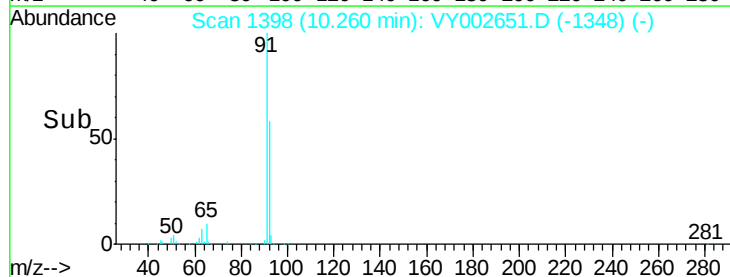
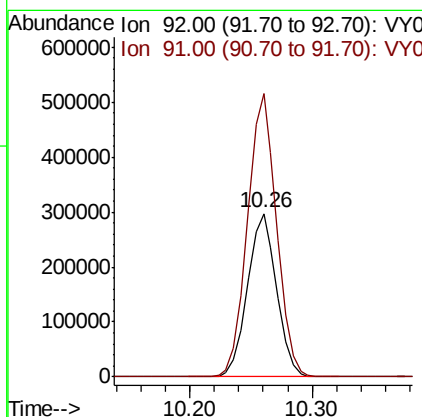
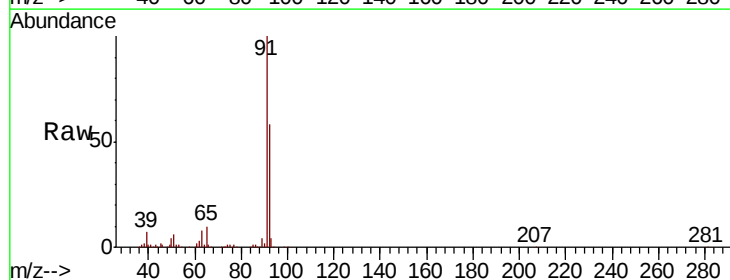
Manual Integrations
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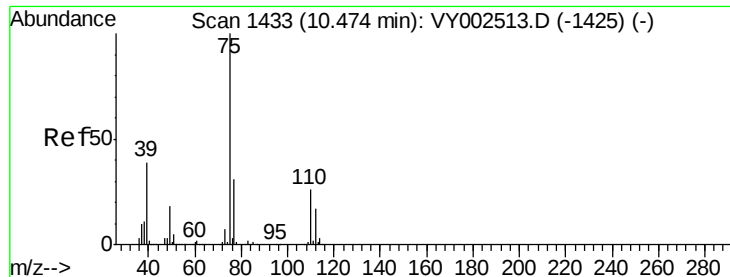
MMDadoda
5/12/2020 12:10:01 PM



#52
Toluene
Concen: 51.210 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	139.3	208.9





#53

t-1,3-Dichloropropene

Concen: 50.358 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 265621

Ion Ratio Lower Upper

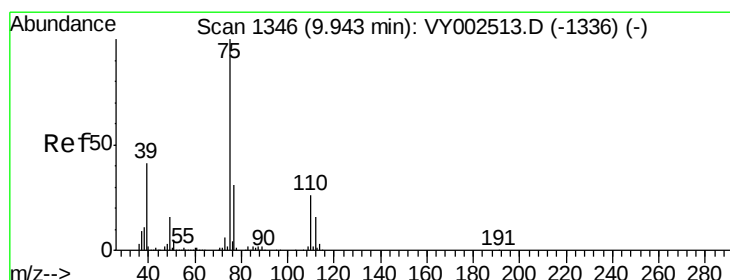
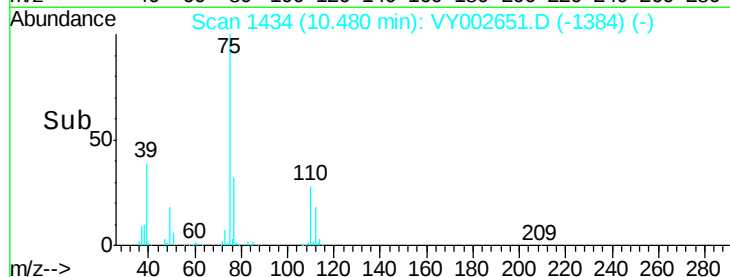
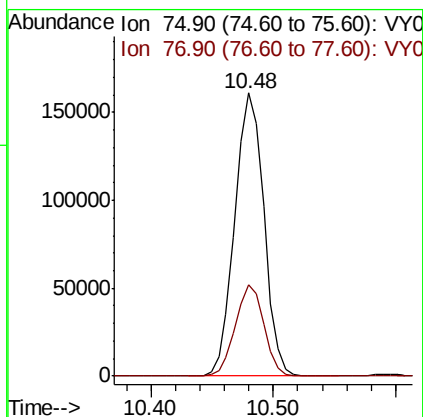
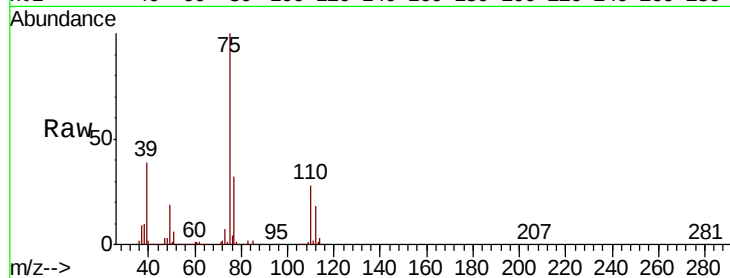
75 100

77 32.1 25.0 37.6

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 50.538 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

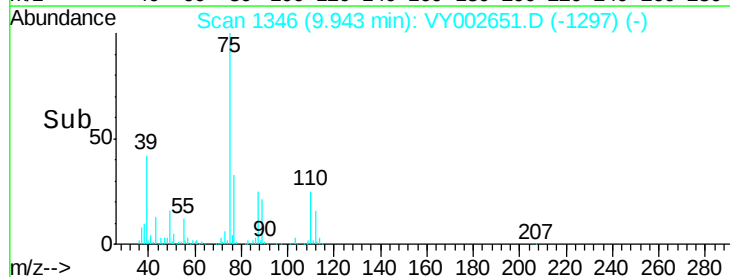
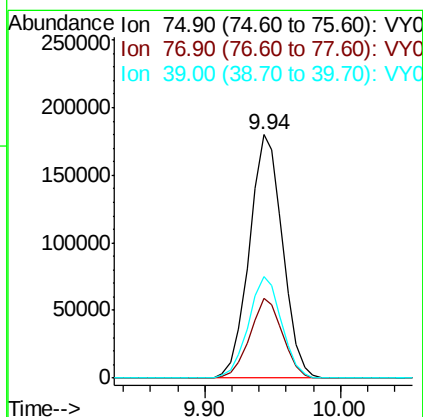
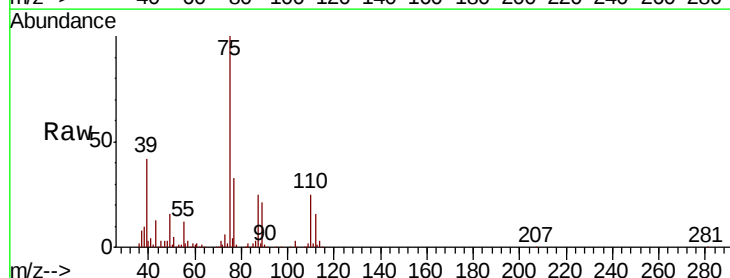
Tgt Ion: 75 Resp: 308168

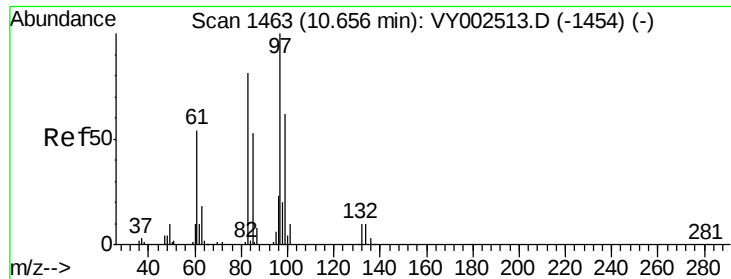
Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

39 41.6 32.7 49.1





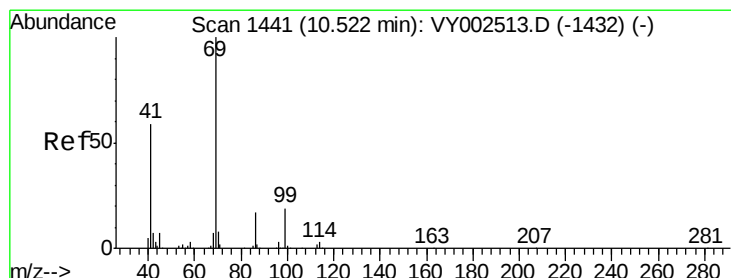
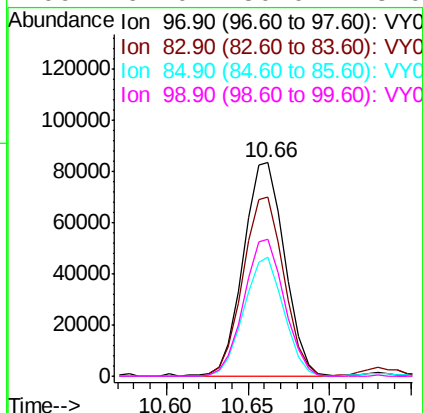
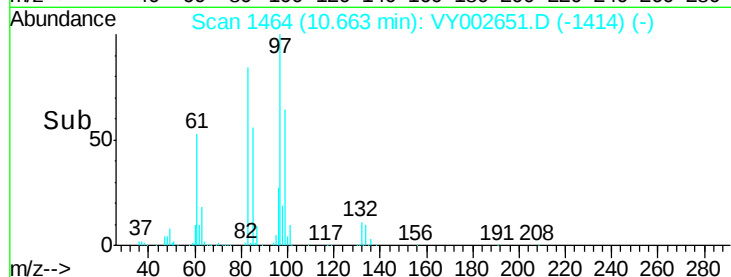
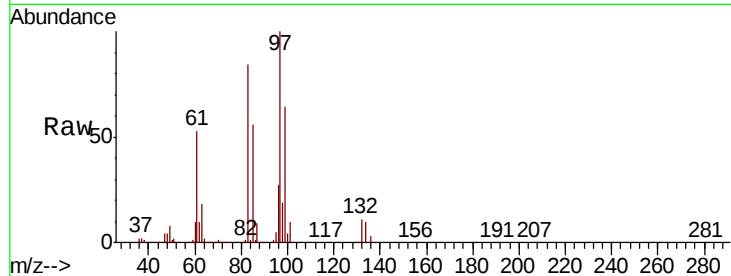
#55
 1,1,2-Trichloroethane
 Concen: 48.387 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	146090
Ion	Ratio	Lower	Upper
97	100		
83	83.9	65.1	97.7
85	55.9	42.7	64.1
99	64.0	50.0	75.0

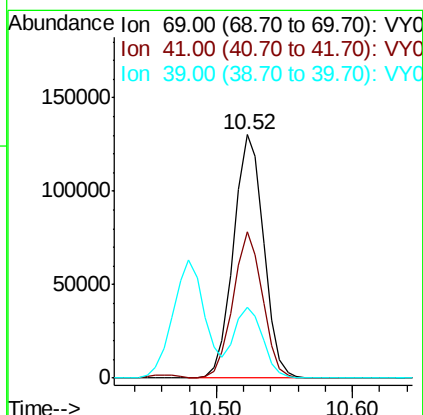
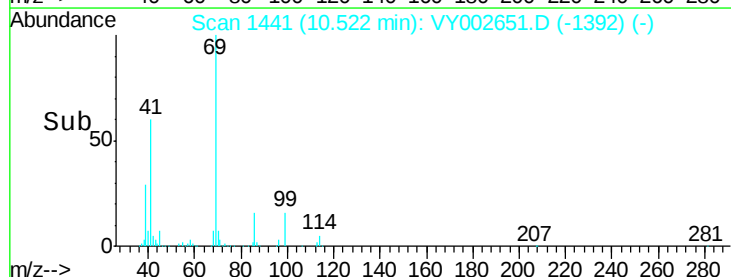
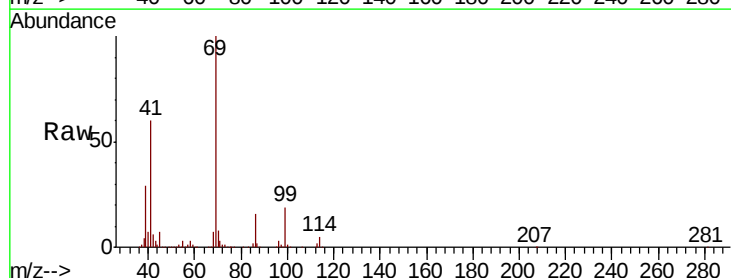
Manual Integrations
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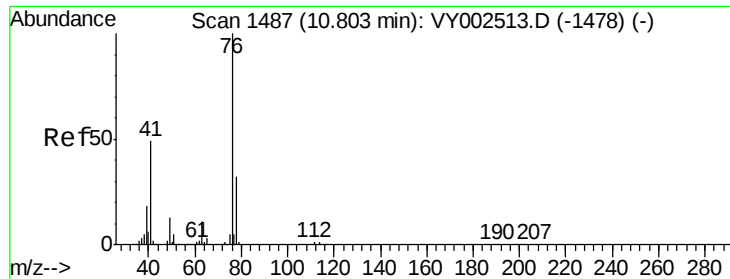
MMDadoda
 5/12/2020 12:10:01 PM



#56
 Ethyl methacrylate
 Concen: 50.067 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion:	69	Resp:	201095
Ion	Ratio	Lower	Upper
69	100		
41	58.8	48.6	73.0
39	27.7	25.0	37.4





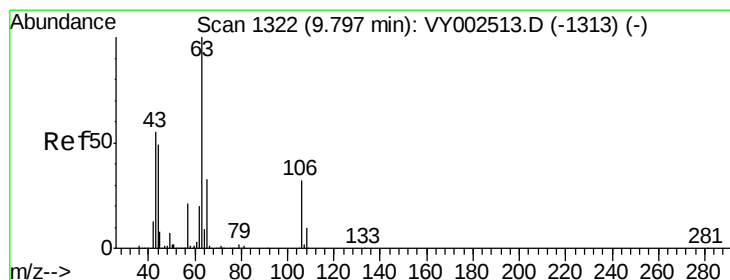
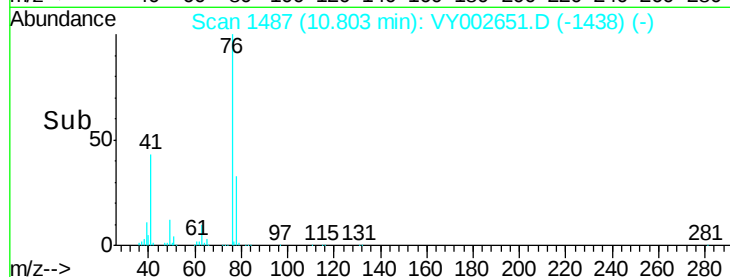
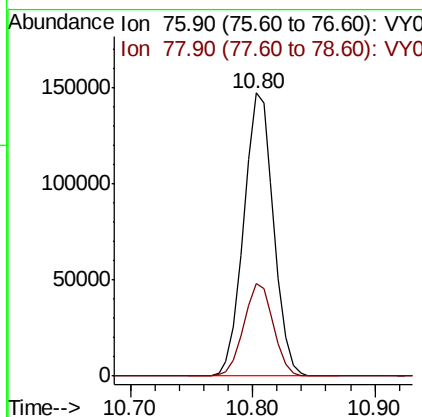
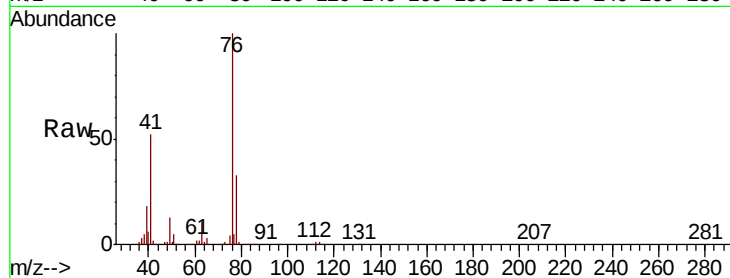
#57
 1,3-Dichloropropane
 Concen: 48.635 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.4	38.2

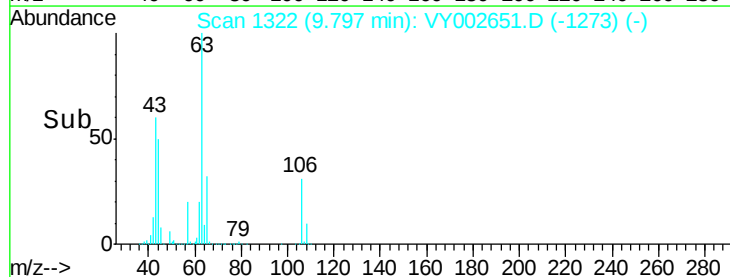
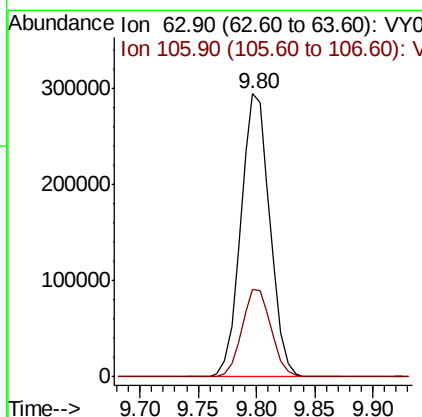
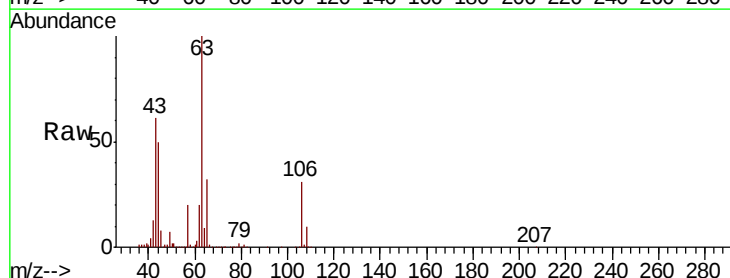
Manual Integrations
 APPROVED

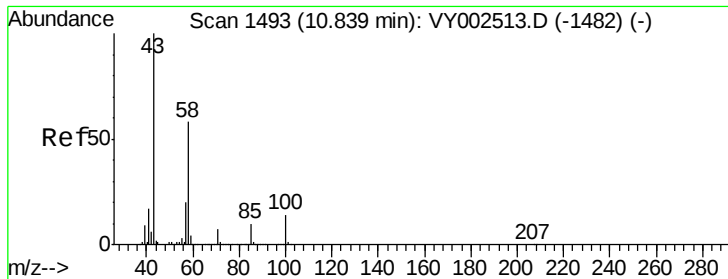
MMDadoda
 5/12/2020 12:10:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.027 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.1	25.2	37.8





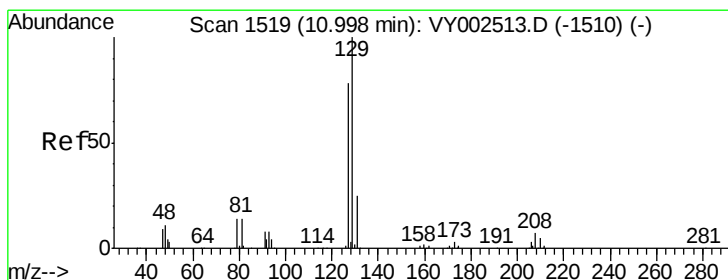
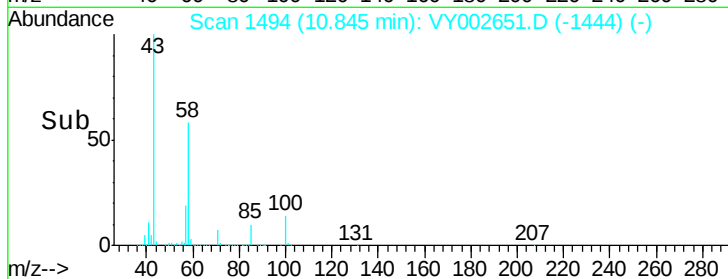
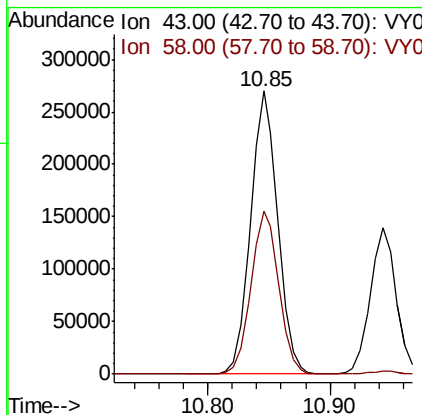
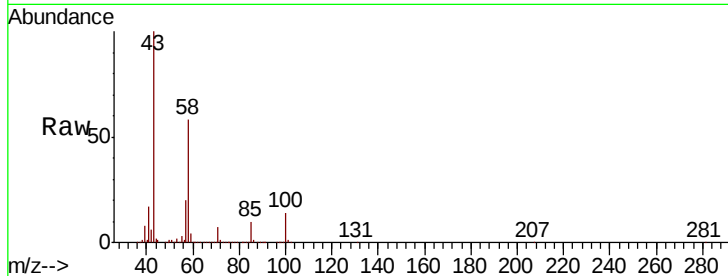
#59
2-Hexanone
Concen: 236.597 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 417430
Ion Ratio Lower Upper
43 100
58 58.9 29.1 87.3

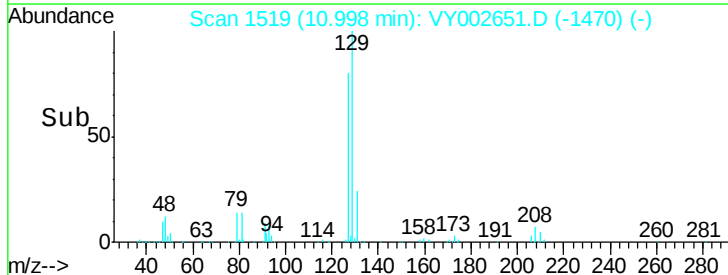
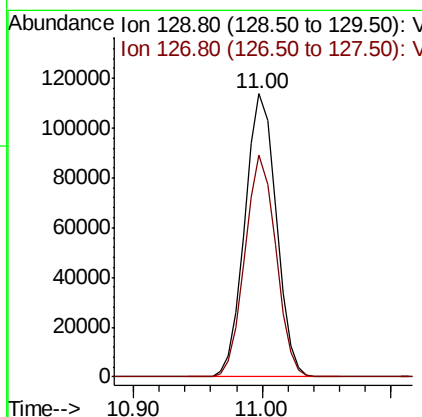
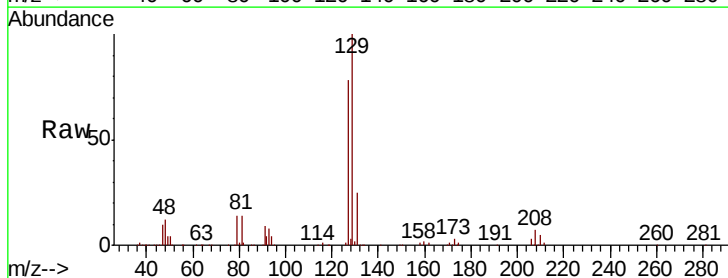
Manual Integrations
APPROVED

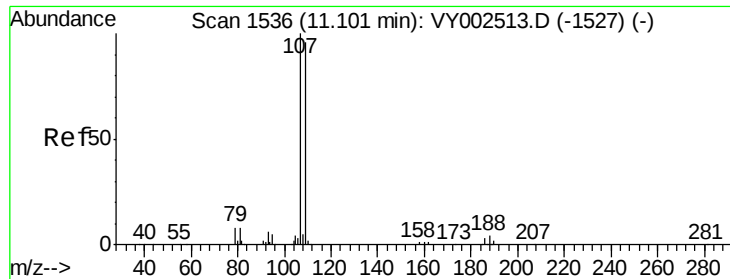
MMDadoda
5/12/2020 12:10:01 PM



#60
Dibromochloromethane
Concen: 49.812 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion: 129 Resp: 191281
Ion Ratio Lower Upper
129 100
127 77.2 39.0 117.0





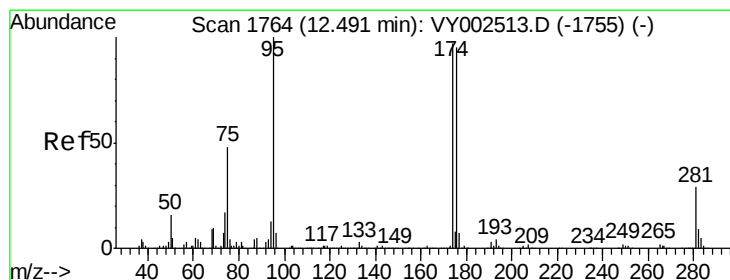
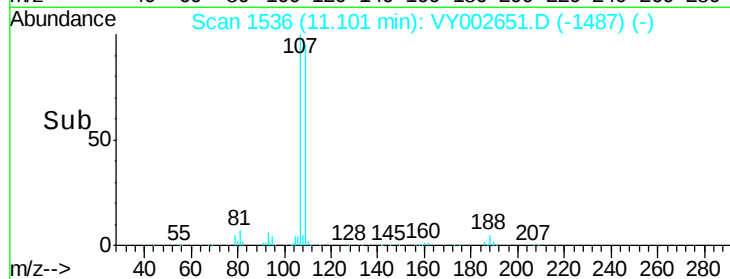
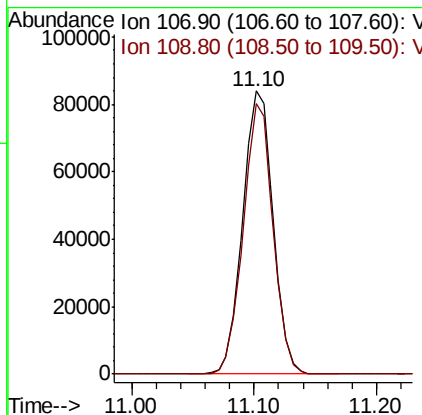
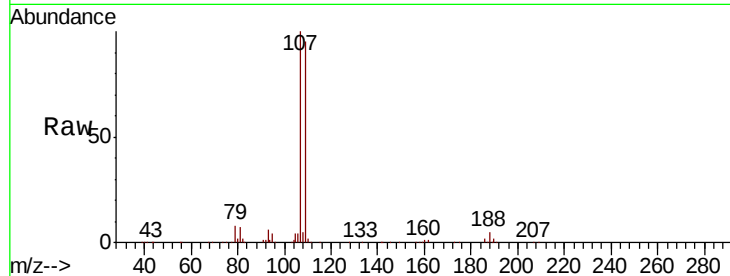
#61
 1,2-Dibromoethane
 Concen: 48.380 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.8	113.8

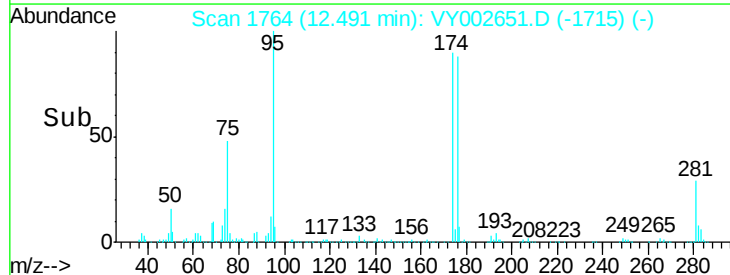
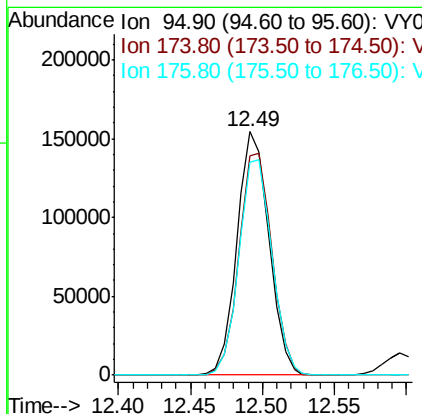
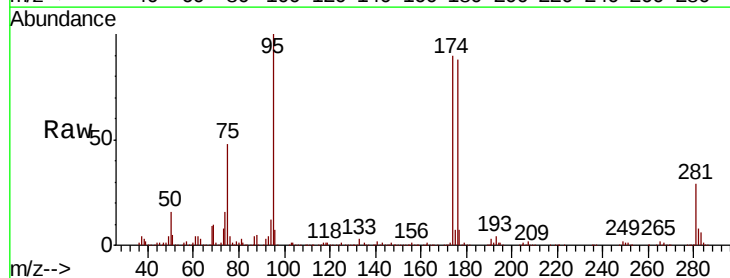
Manual Integrations
 APPROVED

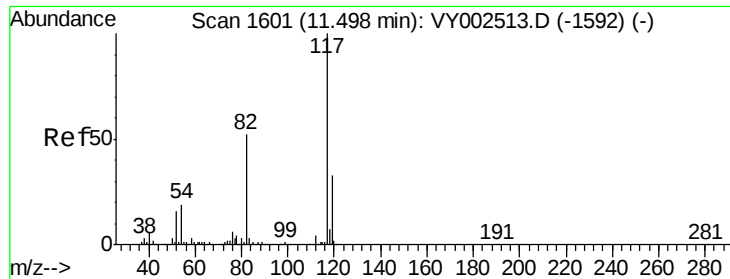
MMDadoda
 5/12/2020 12:10:01 PM



#62
 4-Bromofluorobenzene
 Concen: 51.028 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	188.8
176	90.9	0.0	183.2





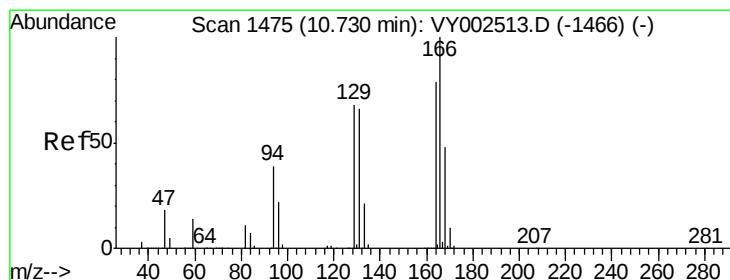
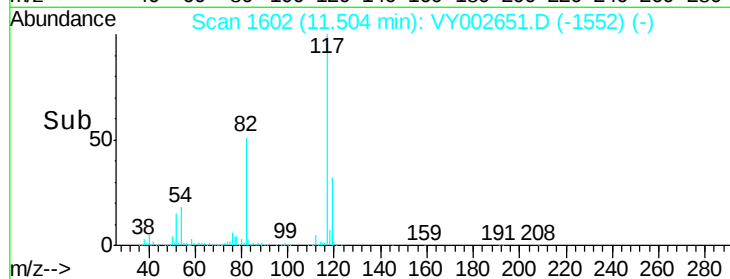
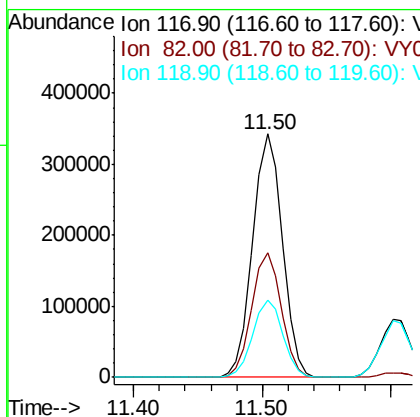
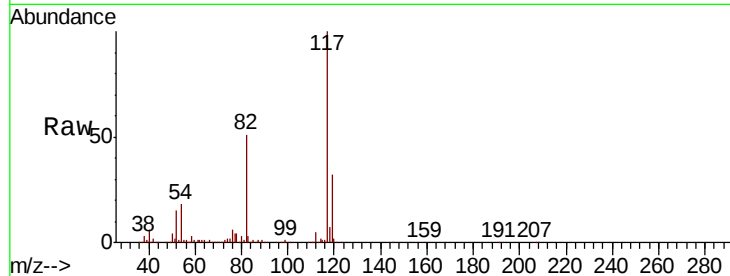
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	545113		
82	51.4		41.3	61.9
119	31.8		26.0	39.0

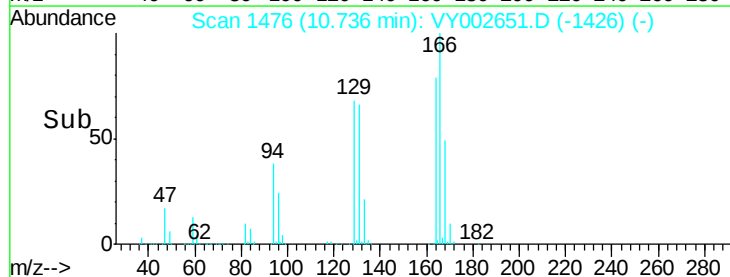
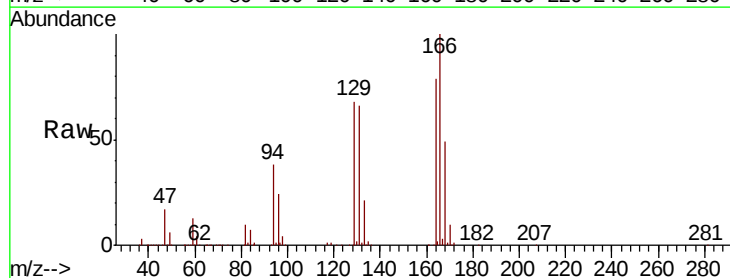
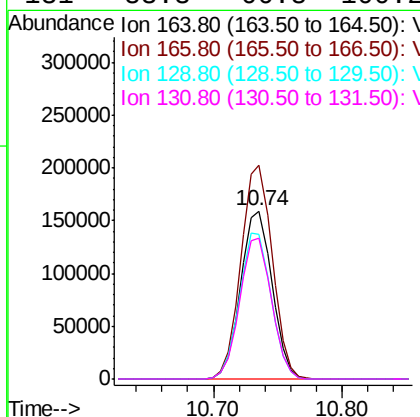
Manual Integrations
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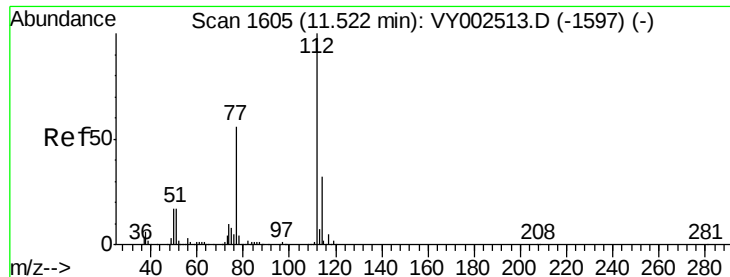
MMDadoda
5/12/2020 12:10:01 PM



#64
Tetrachloroethene
Concen: 55.427 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	268450		
166	126.9		100.7	151.1
129	86.0		68.3	102.5
131	83.3		66.8	100.2





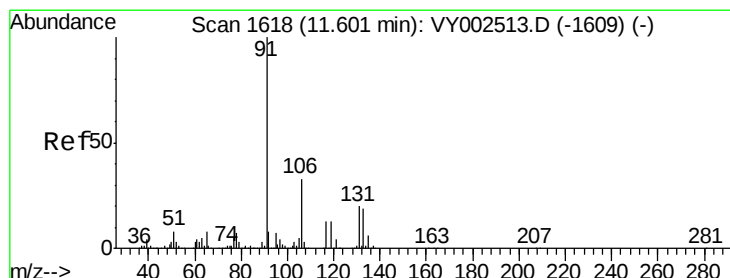
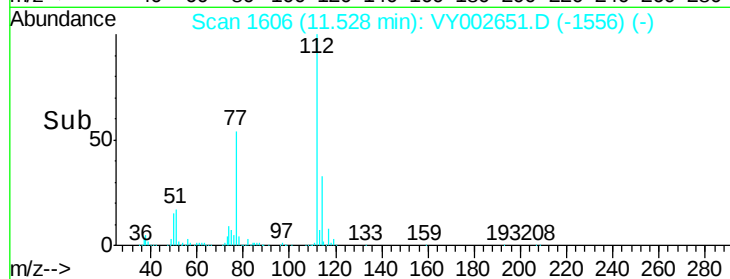
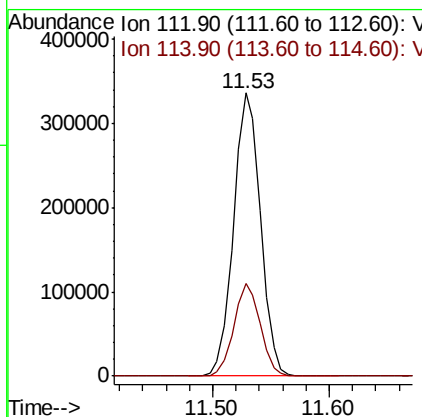
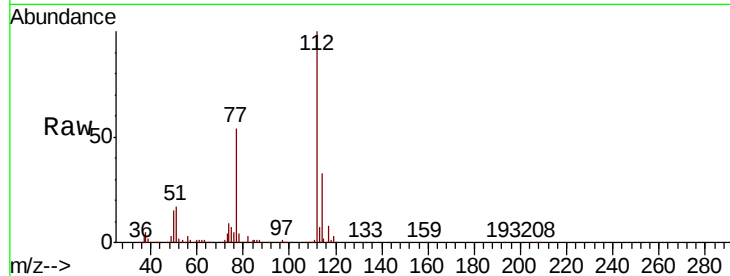
#65
Chlorobenzene
Concen: 52.133 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.8	38.6

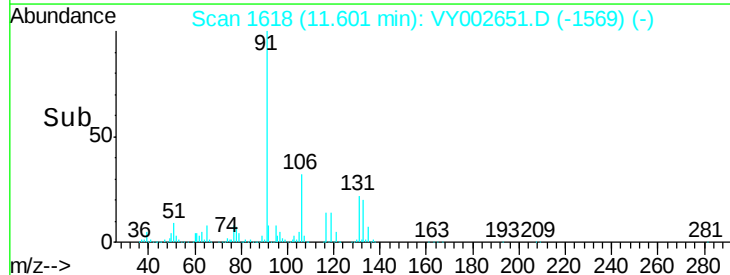
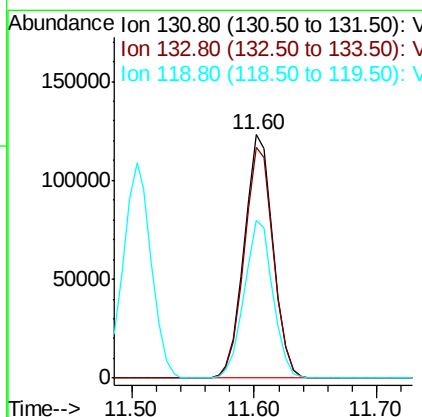
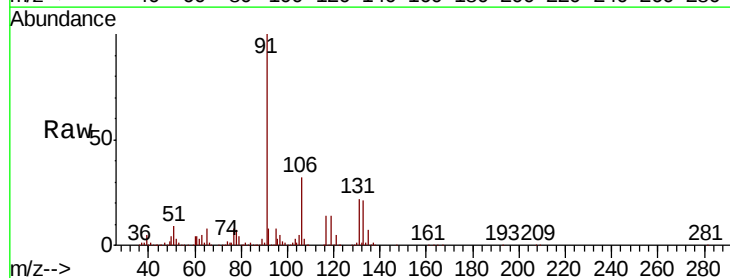
Manual Integrations
APPROVED

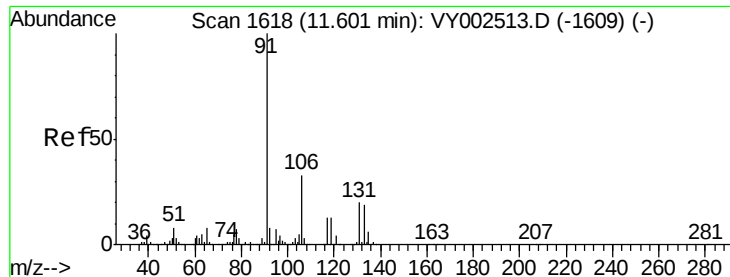
MMDadoda
5/12/2020 12:10:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.377 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.1	144.4
119	64.5	31.6	95.0





#67

Ethyl Benzene

Concen: 52.562 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 956763

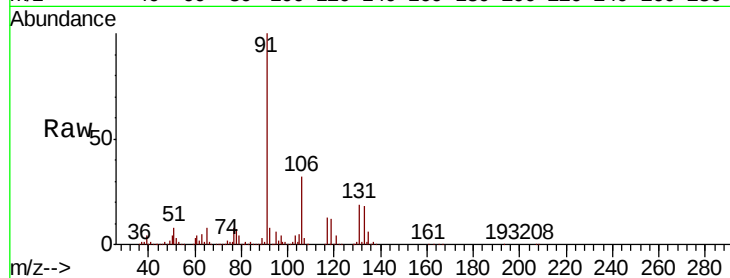
Ion Ratio Lower Upper

91 100

106 32.1 26.1 39.1

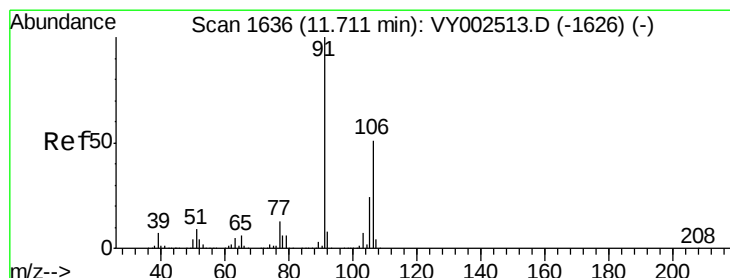
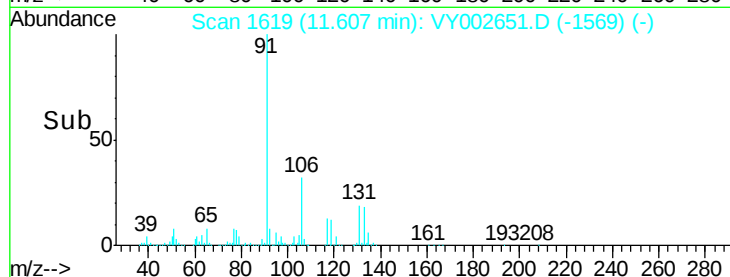
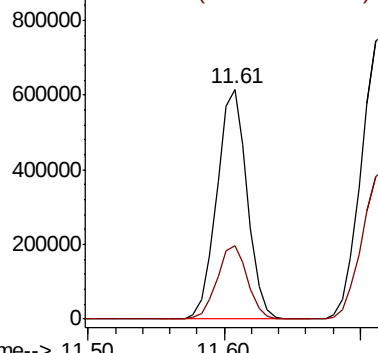
Manual Integrations
APPROVED

MMDadoda
5/12/2020 12:10:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 104.703 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY002651.D

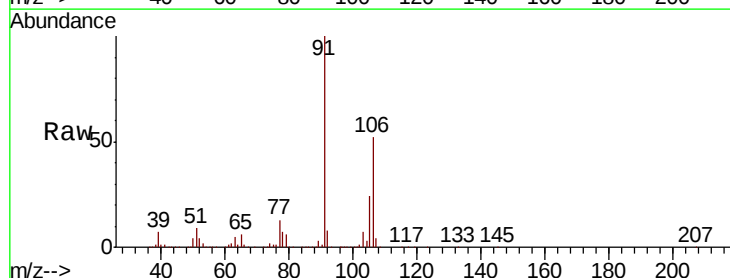
Acq: 11 May 2020 10:05

Tgt Ion: 106 Resp: 737427

Ion Ratio Lower Upper

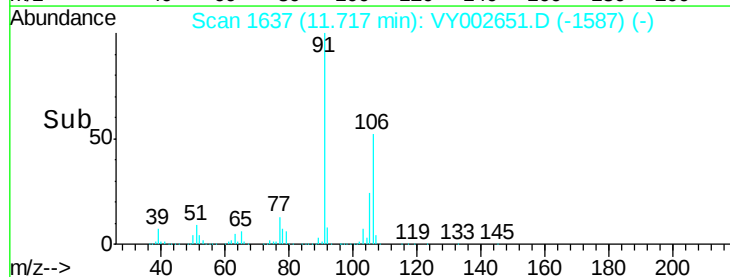
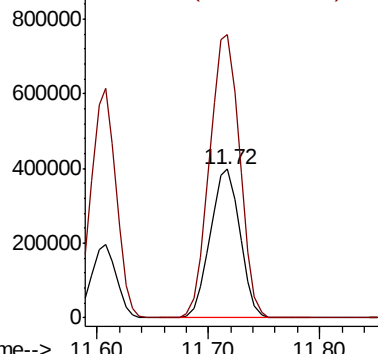
106 100

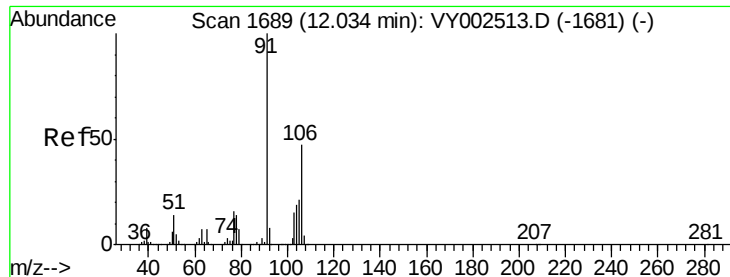
91 193.7 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





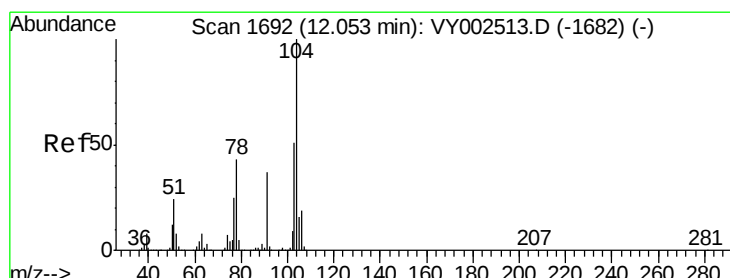
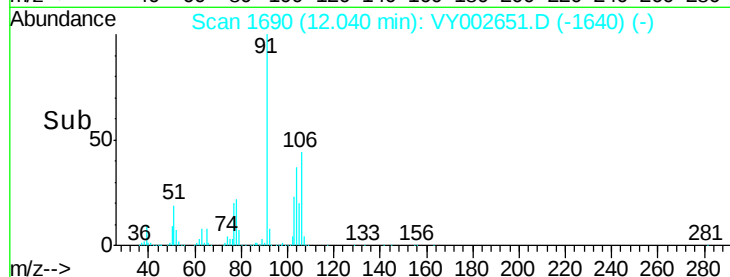
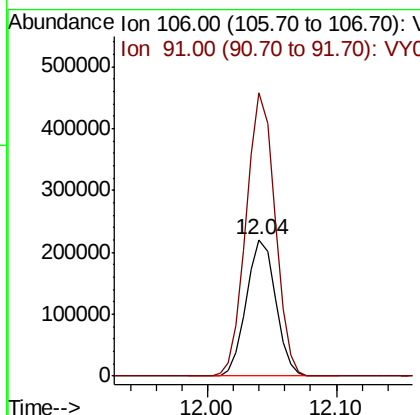
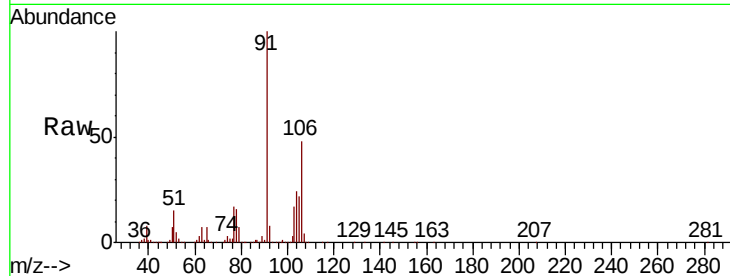
#69
o-Xylene
Concen: 52.324 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.0	103.8	311.3	

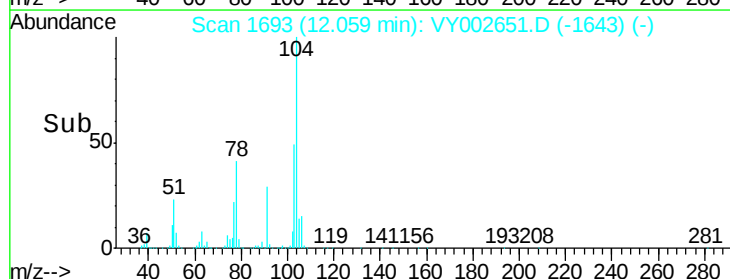
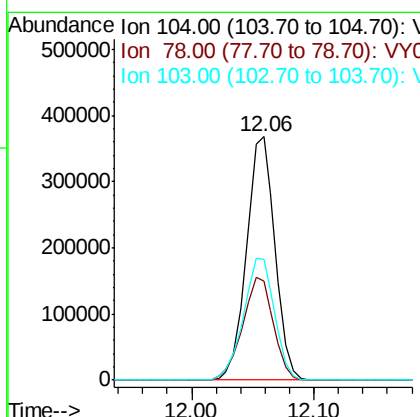
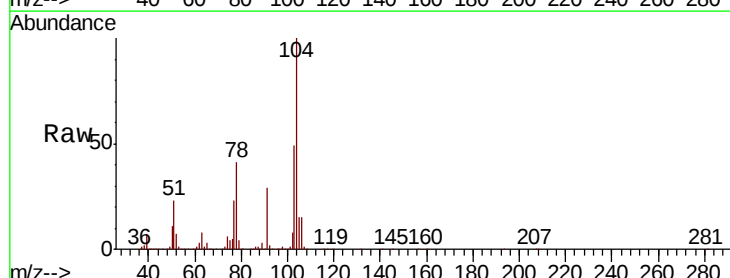
Manual Integrations
APPROVED

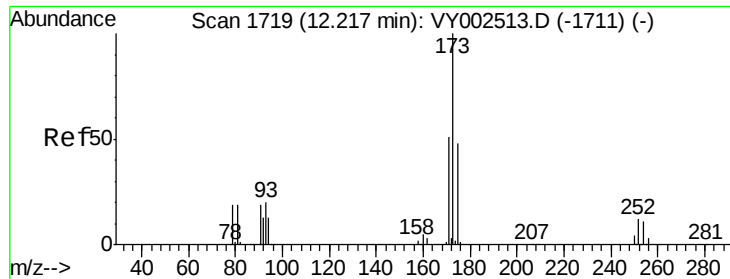
MMDadoda
5/12/2020 12:10:01 PM



#70
Styrene
Concen: 52.583 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.0	37.4	56.0	
103	54.8	43.9	65.9	





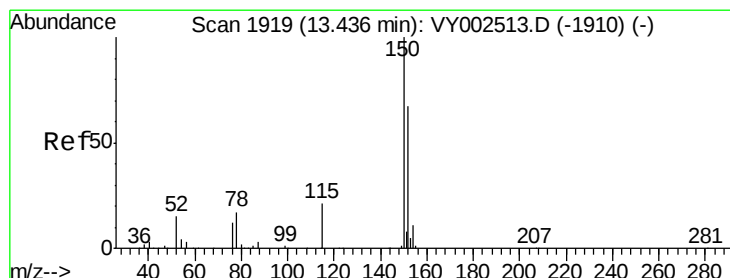
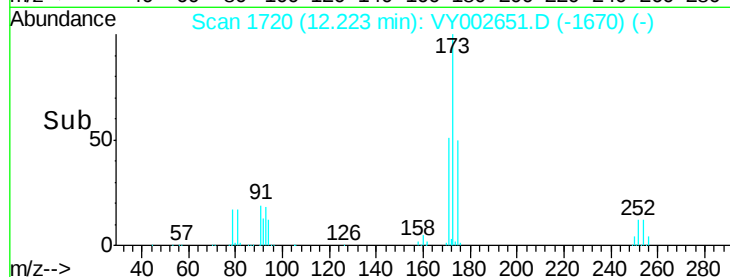
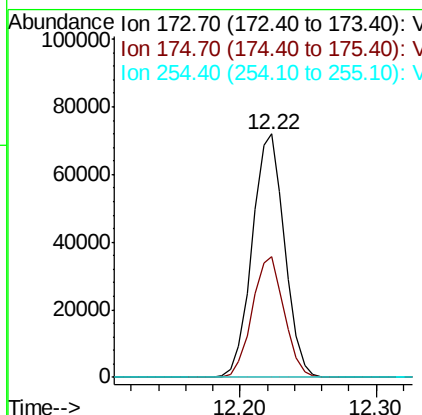
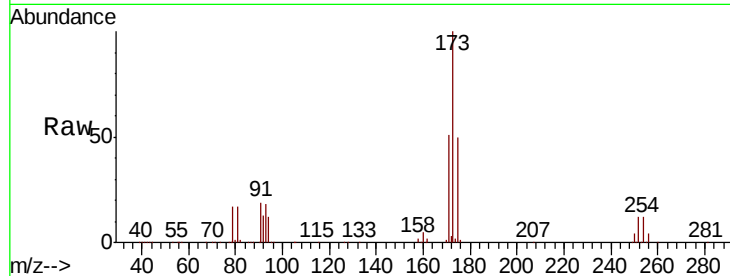
#71
Bromoform
Concen: 50.300 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.1	0.2	0.2

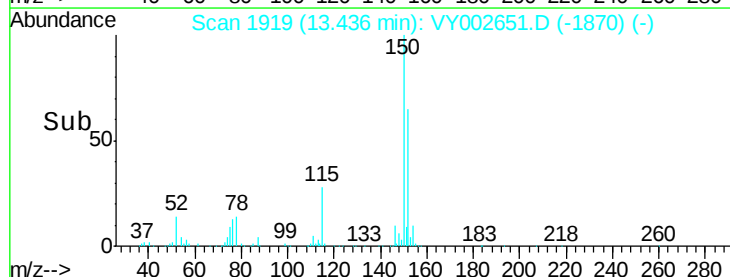
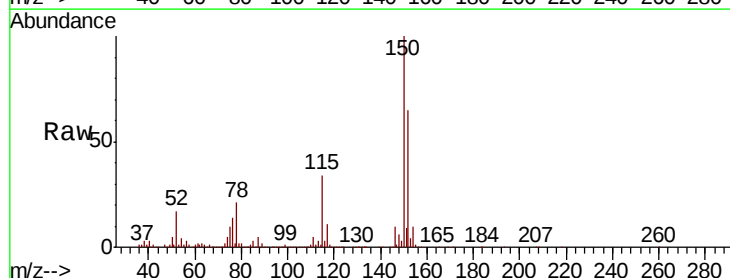
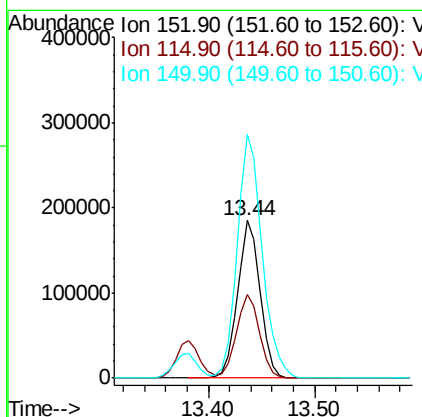
Manual Integrations
APPROVED

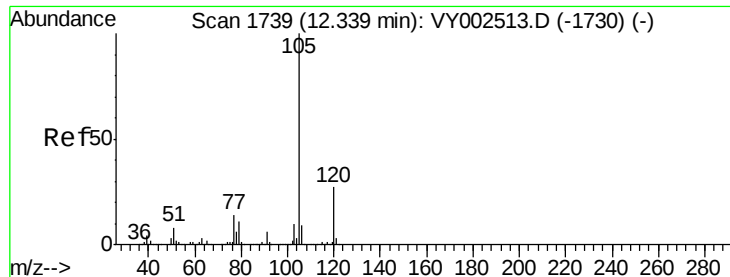
MMDadoda
5/12/2020 12:10:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.5	82.4
150	170.6	0.0	346.4





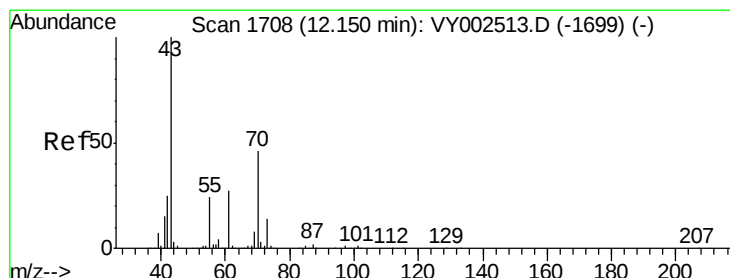
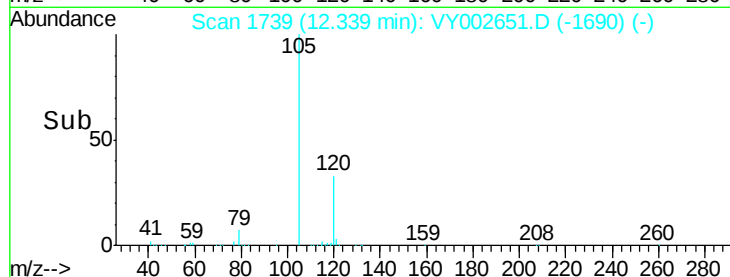
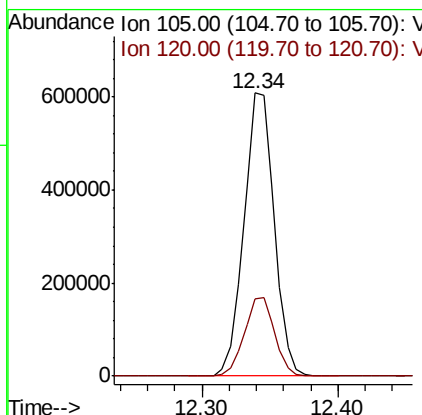
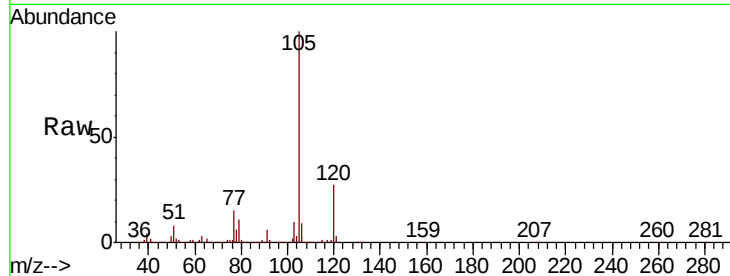
#73
Isopropylbenzene
Concen: 52.832 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.8	41.3

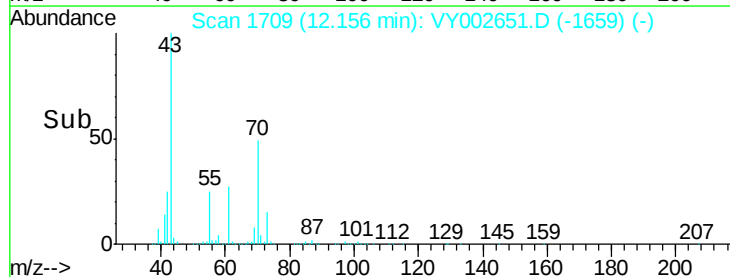
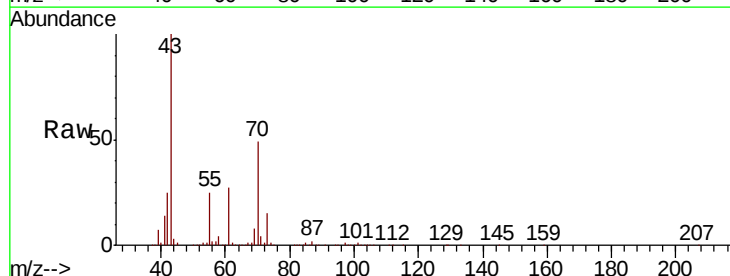
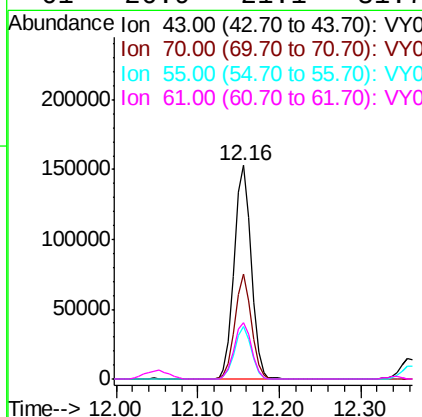
Manual Integrations
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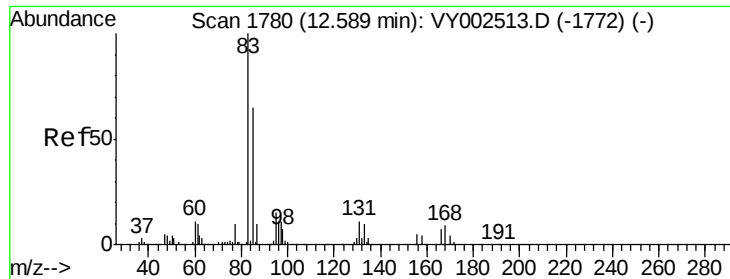
MMDadoda
5/12/2020 12:10:01 PM



#74
N-ethyl acetate
Concen: 50.787 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.3	36.7	55.1
55	24.3	19.2	28.8
61	26.9	21.1	31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 46.676 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

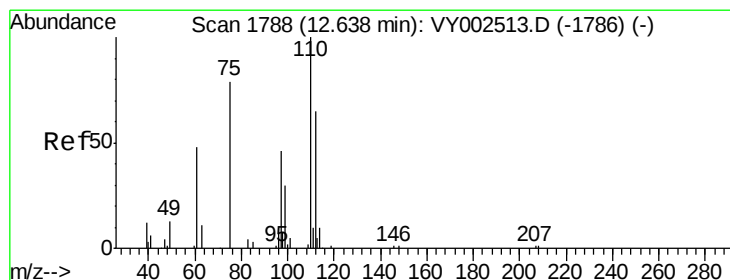
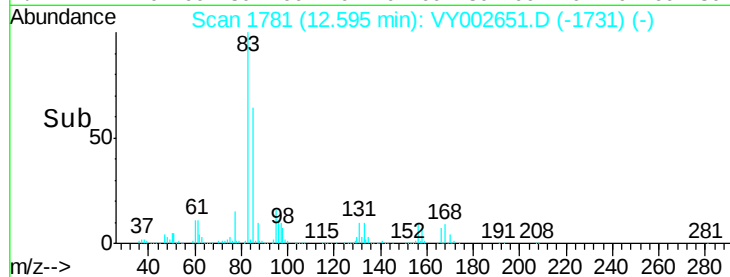
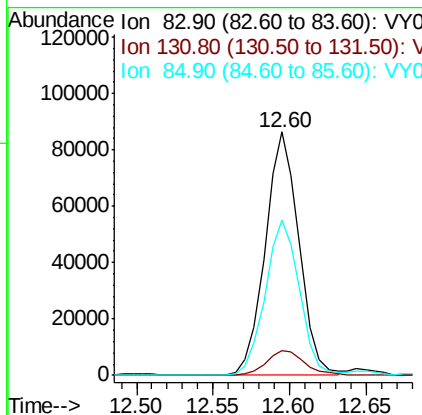
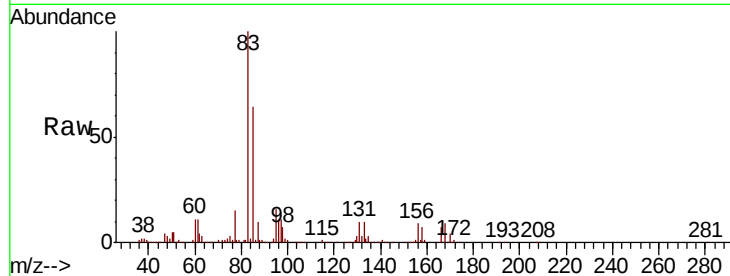
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	132400
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.8
85	64.4	31.9	95.9

Manual Integrations
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5/12/2020 12:10:01 PM



#76

1,2,3-Trichloropropane

Concen: 46.830 ug/l m

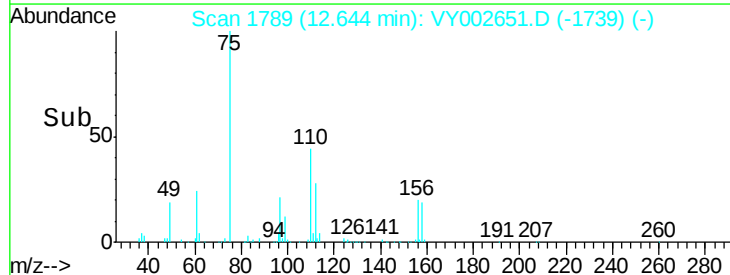
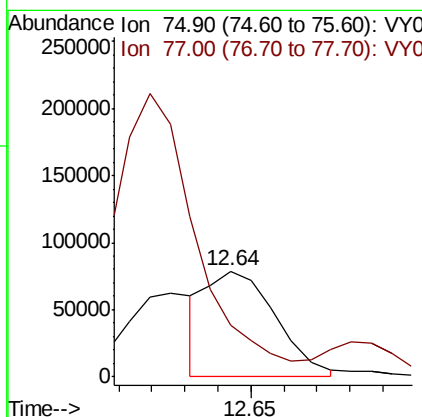
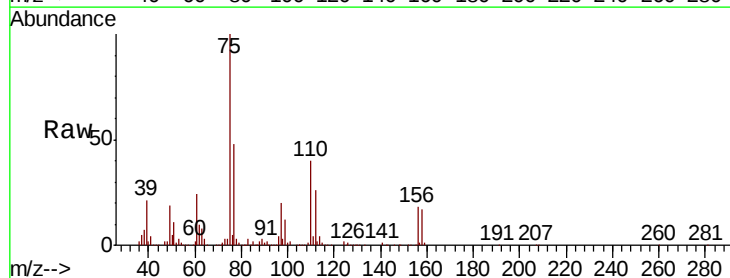
RT: 12.64 min Scan# 1789

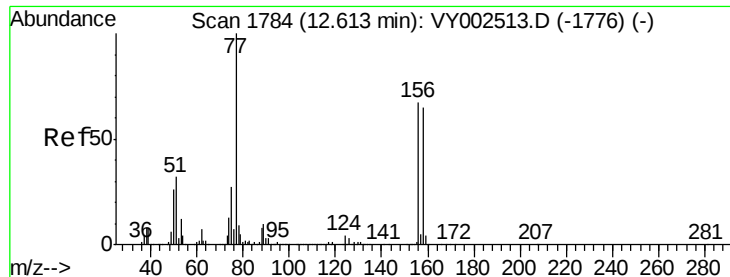
Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Tgt Ion:	75	Resp:	114530
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.247 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

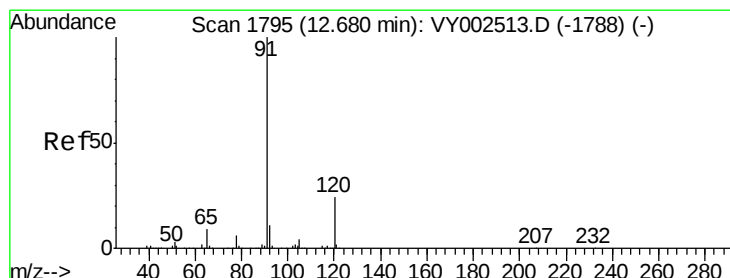
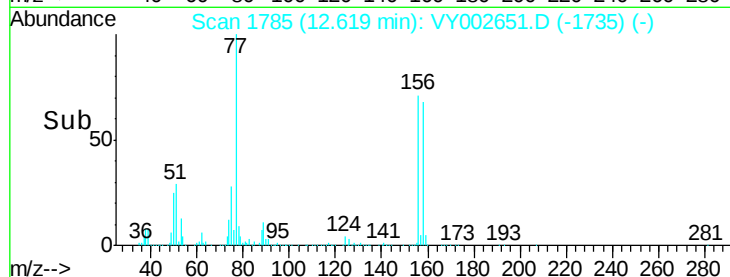
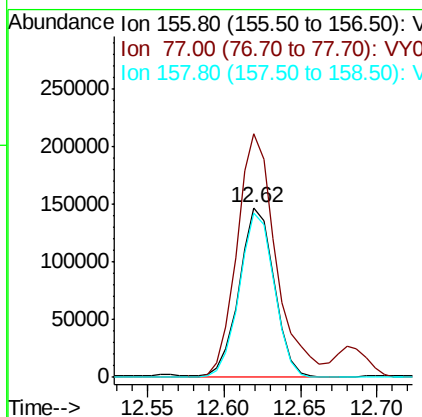
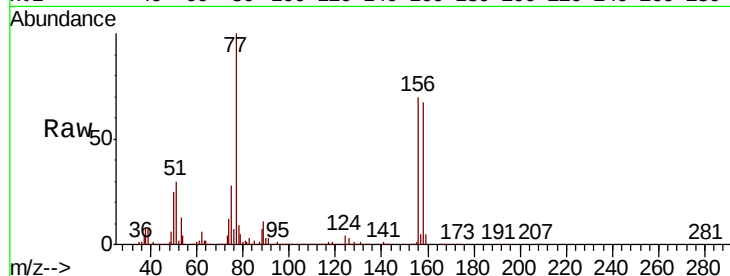
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	232817
Ion Ratio	Lower	Upper	
156	100		
77	160.0	82.0	245.8
158	96.4	48.5	145.6

Manual Integrations
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5/12/2020 12:10:01 PM



#78

n-propylbenzene

Concen: 52.378 ug/l

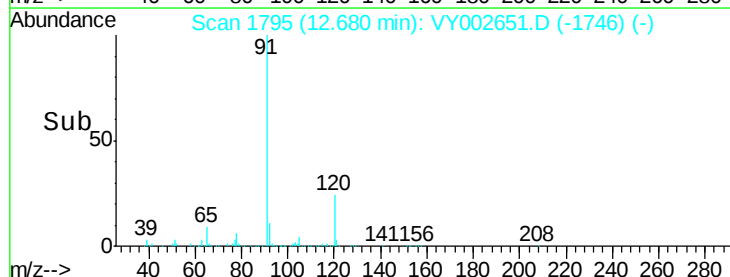
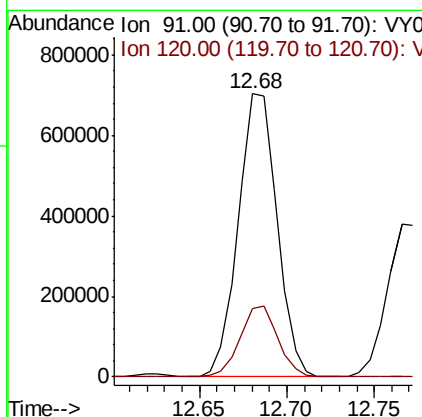
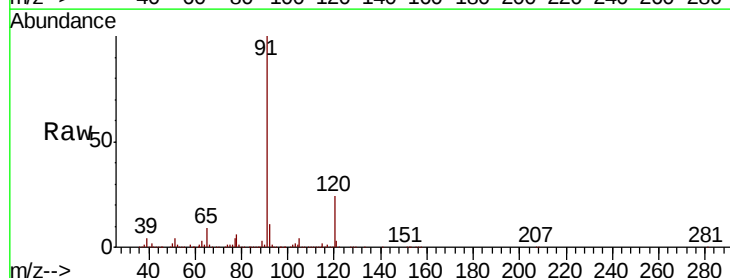
RT: 12.68 min Scan# 1795

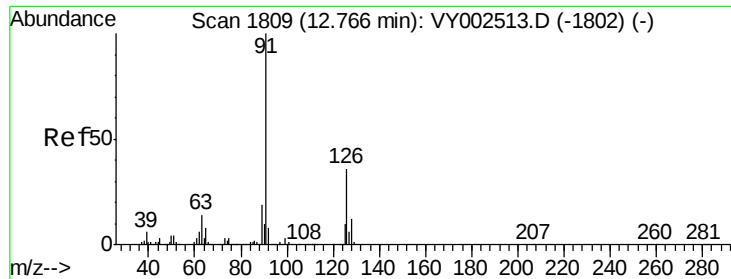
Delta R.T. -0.00 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Tgt Ion:	91	Resp:	1084142
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.2	36.4





#79

2-Chlorotoluene

Concen: 52.198 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 598468

Ion Ratio Lower Upper

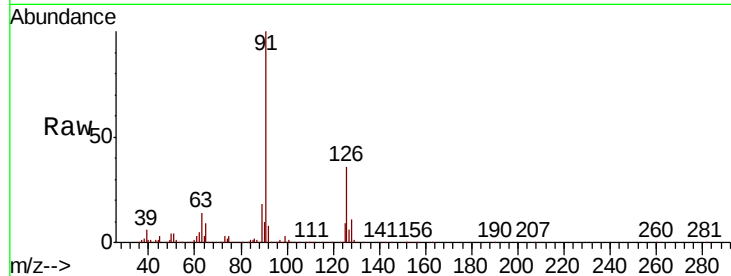
91 100

126 37.2 18.4 55.2

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5/12/2020 12:10:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002513.D (-1802) (-)

500000

400000

300000

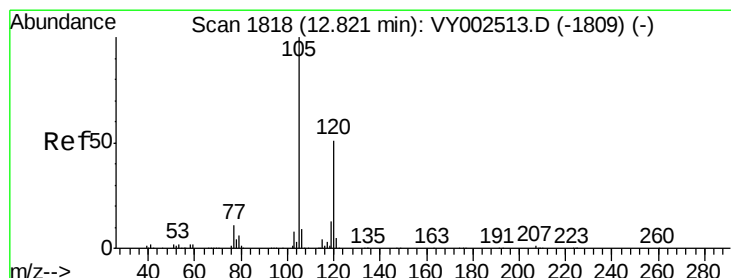
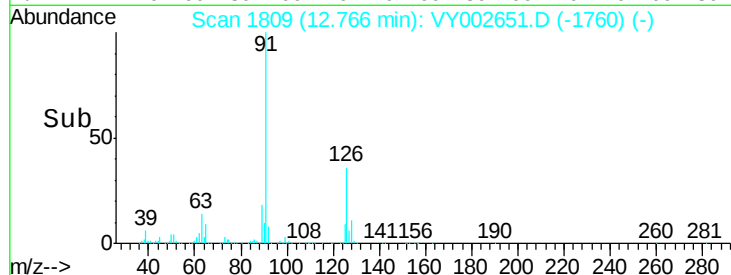
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.514 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY002651.D

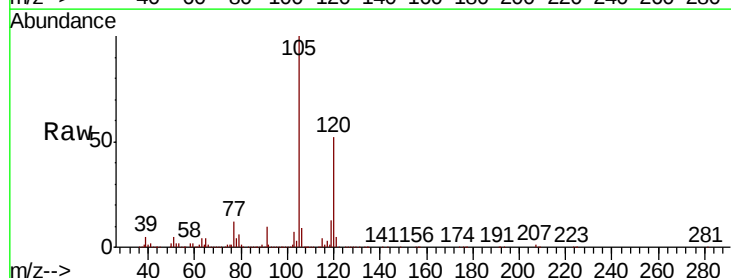
Acq: 11 May 2020 10:05

Tgt Ion: 105 Resp: 776393

Ion Ratio Lower Upper

105 100

120 50.6 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VY002513.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY002513.D (-1809) (-)

600000

500000

400000

300000

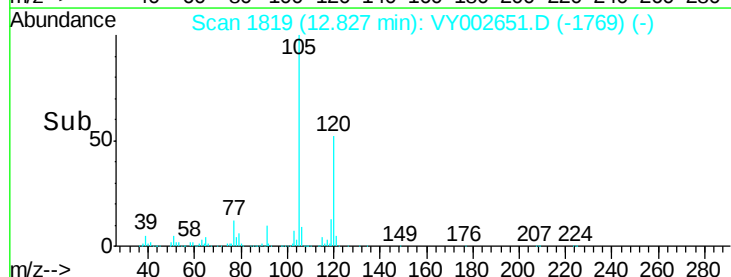
200000

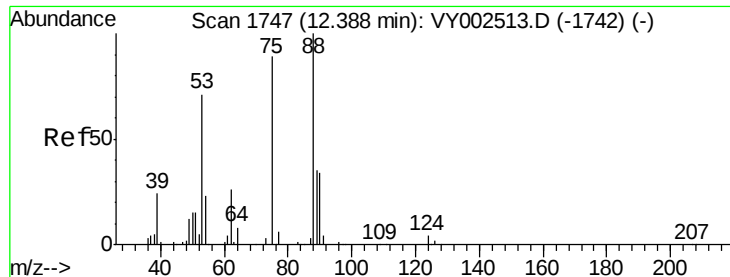
100000

0

12.80 12.90

Time-->





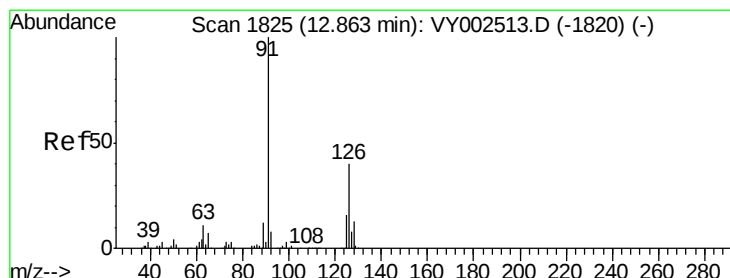
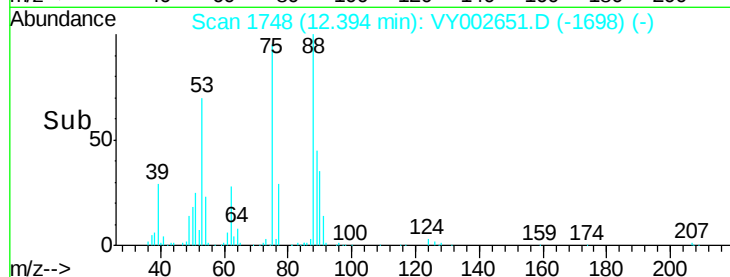
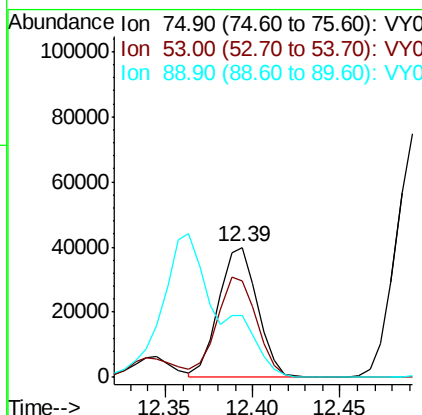
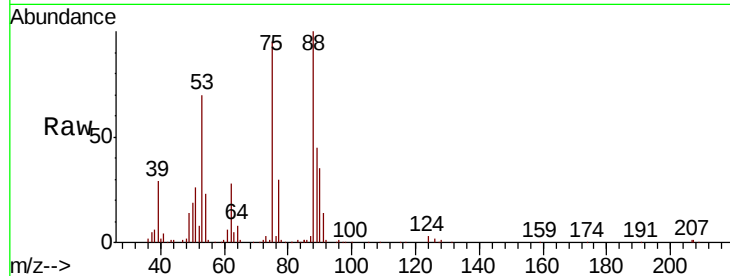
#81
trans-1,4-Dichloro-2-butene
Concen: 50.385 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.5	67.4	101.0
89	0.0	37.4	56.0#

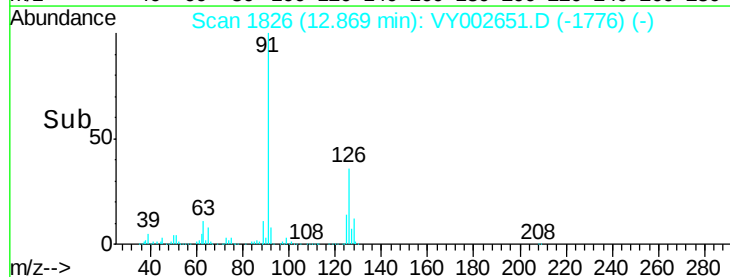
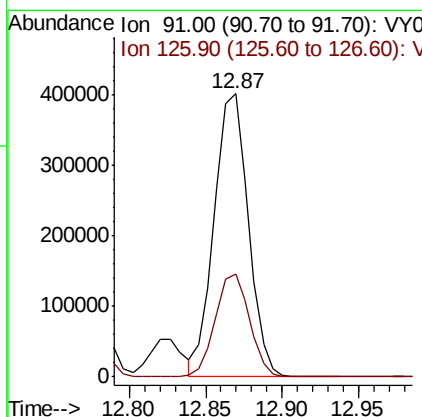
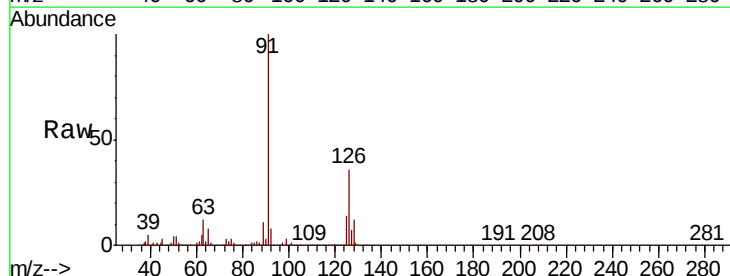
Manual Integrations
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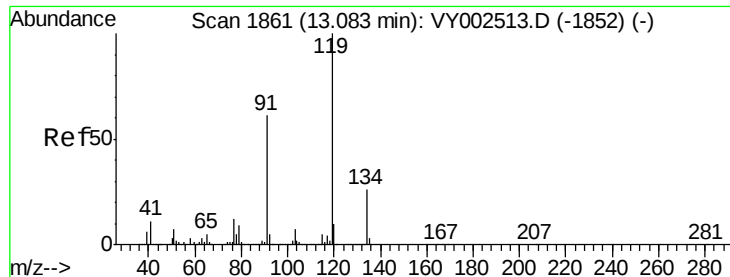
MMDadoda
5/12/2020 12:10:01 PM



#82
4-Chlorotoluene
Concen: 51.806 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.5	55.5





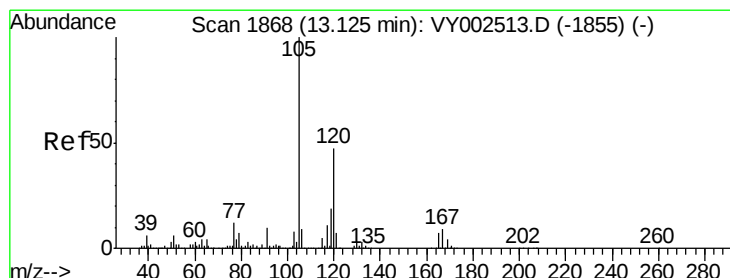
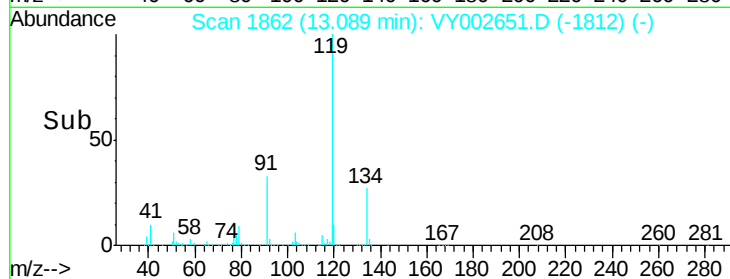
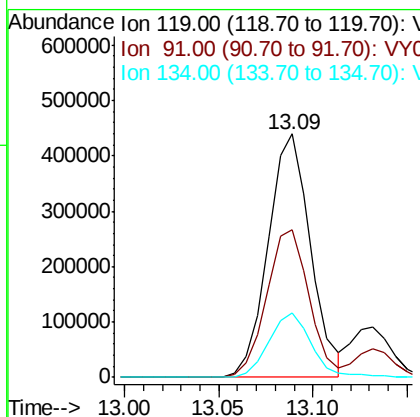
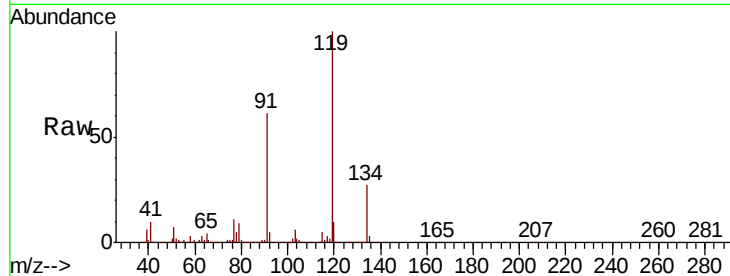
#83
tert-Butylbenzene
Concen: 52.815 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.6	91.6
134	26.8	13.5	40.4

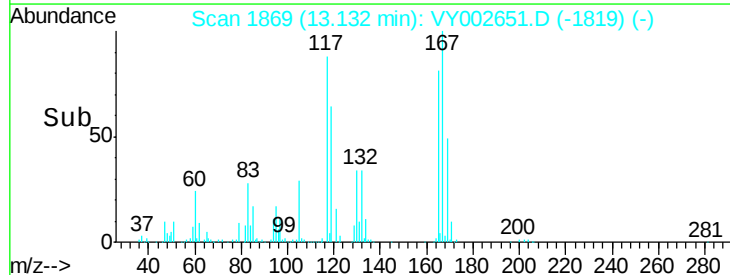
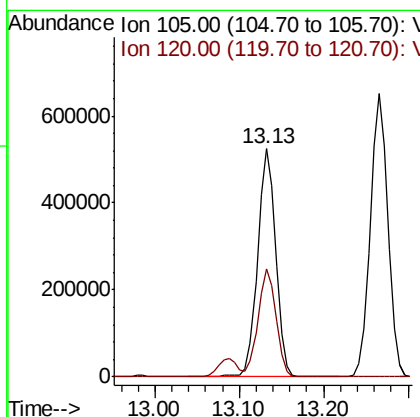
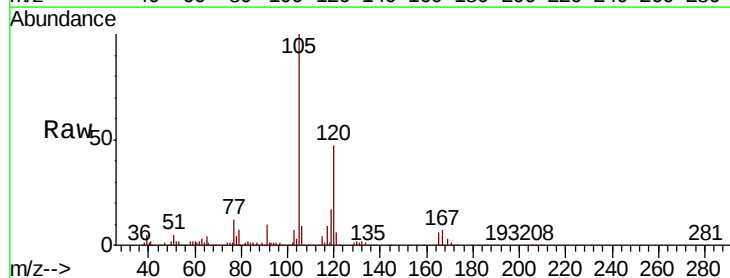
Manual Integrations
APPROVED

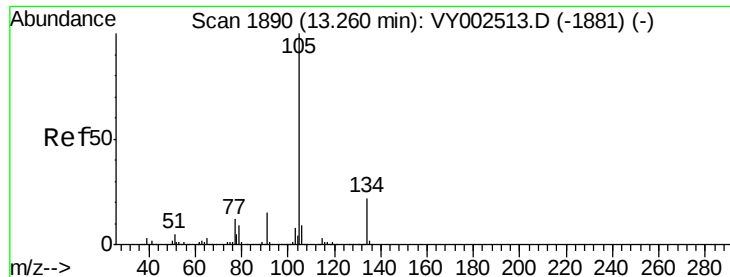
MMDadoda
5/12/2020 12:10:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 52.168 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.3





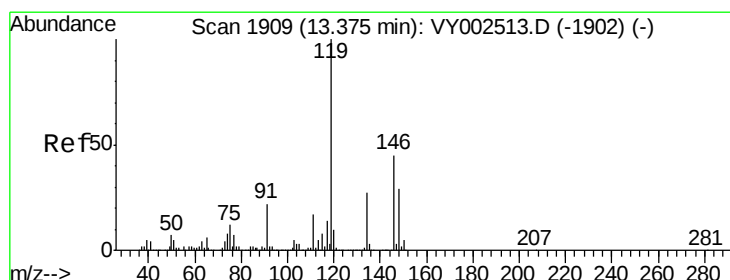
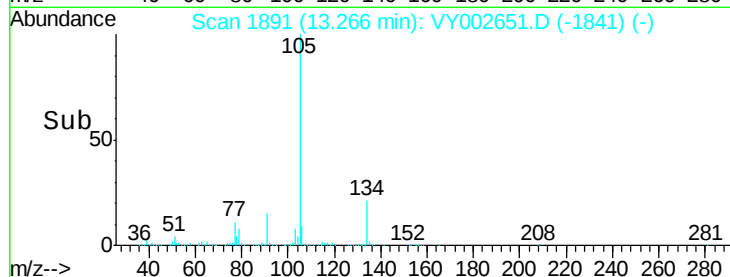
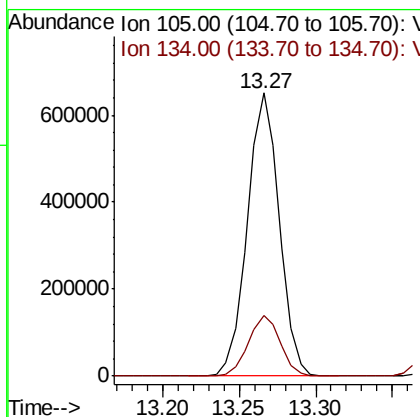
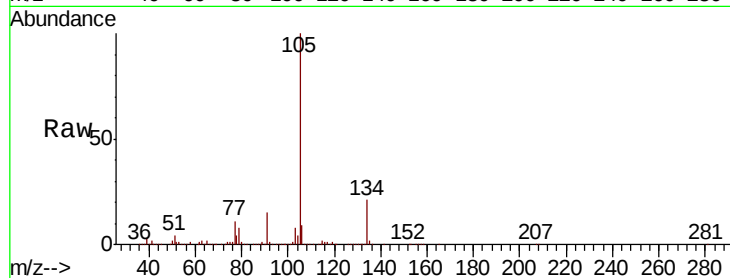
#85
 sec-Butylbenzene
 Concen: 52.460 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.8	32.3

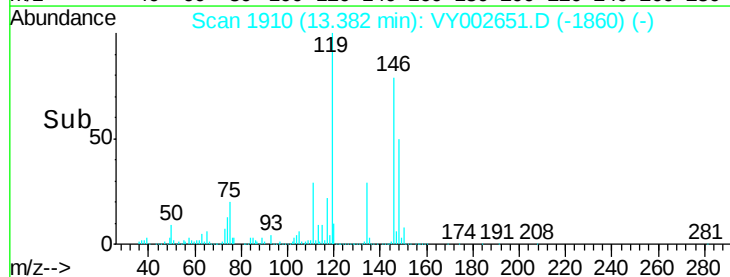
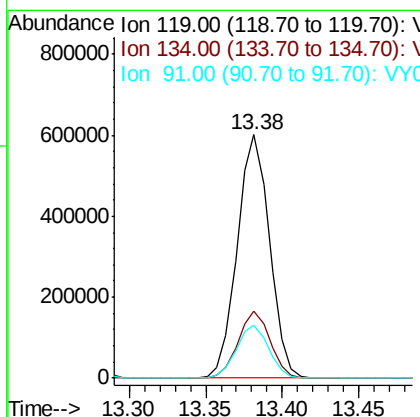
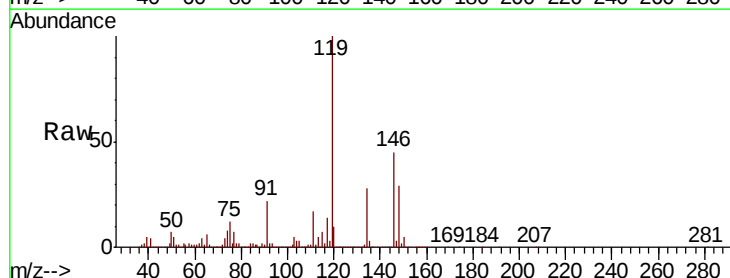
Manual Integrations
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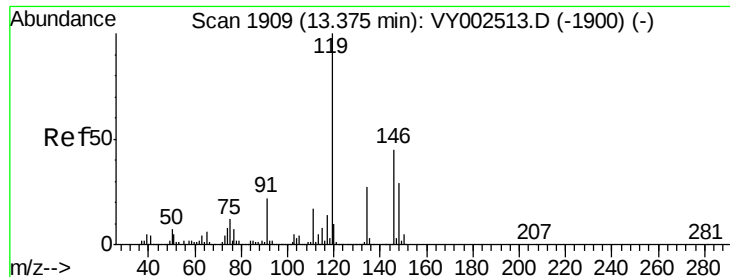
MMDadoda
 5/12/2020 12:10:01 PM



#86
 p-Isopropyltoluene
 Concen: 52.134 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.5
91	21.5	10.9	32.9





#87

1,3-Dichlorobenzene

Concen: 50.824 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

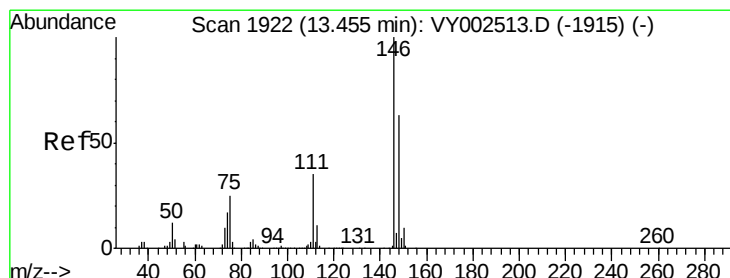
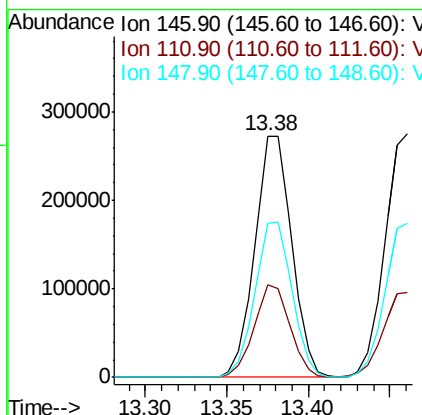
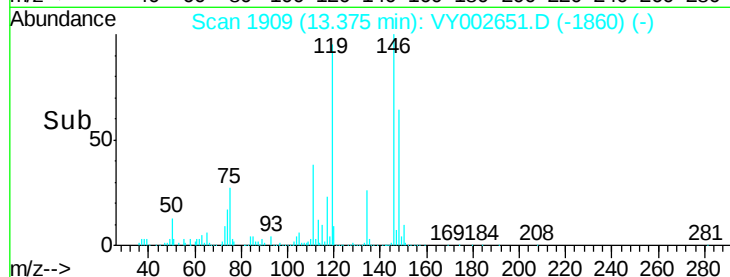
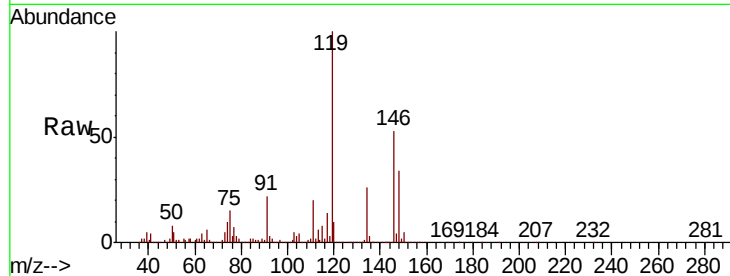
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.5	32.1	96.3

Manual Integrations
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MMDadoda
5/12/2020 12:10:01 PM



#88

1,4-Dichlorobenzene

Concen: 51.241 ug/l

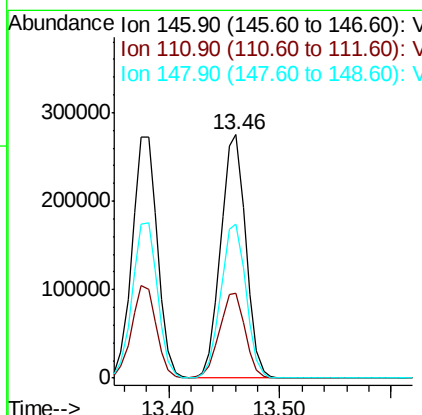
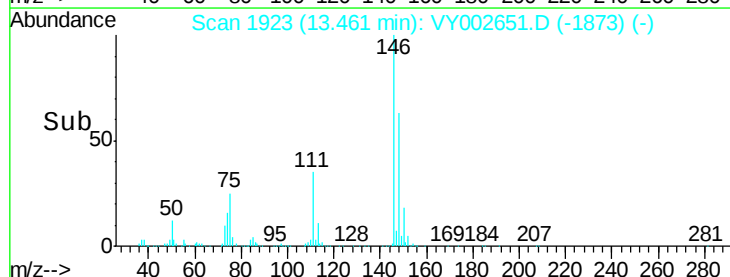
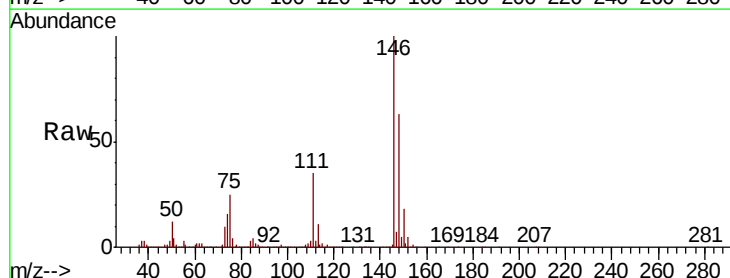
RT: 13.46 min Scan# 1923

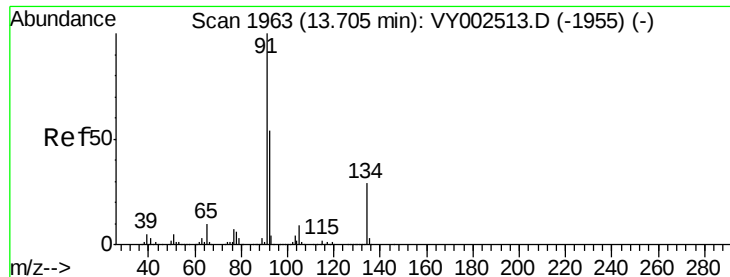
Delta R.T. 0.01 min

Lab File: VY002651.D

Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.1
148	63.9	31.9	95.5





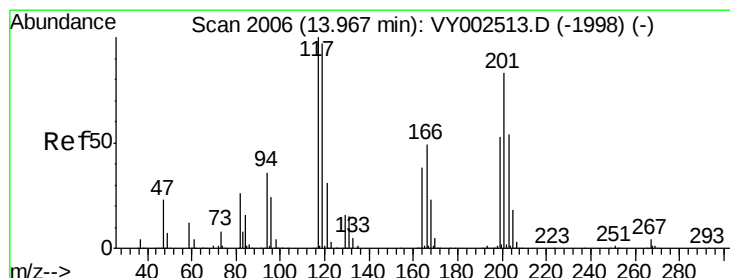
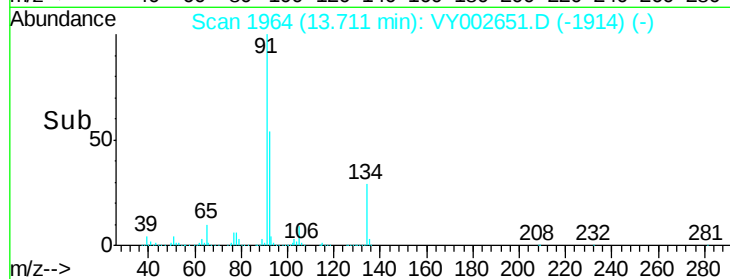
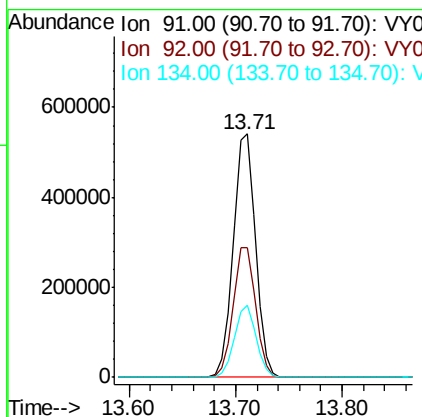
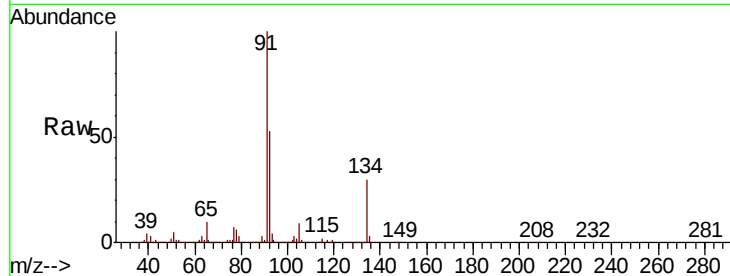
#89
n-Butylbenzene
Concen: 51.897 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.3
134	28.8	14.4	43.0

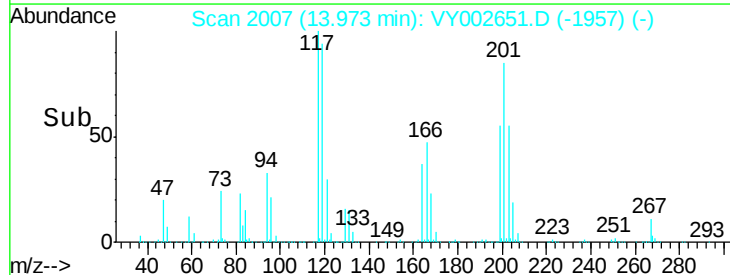
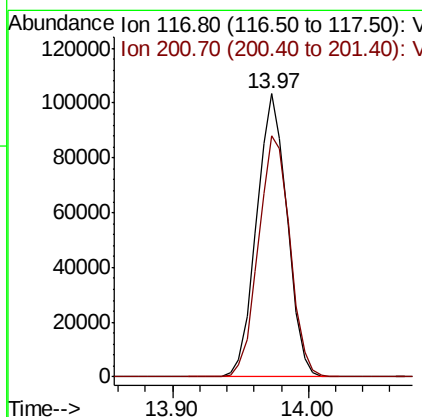
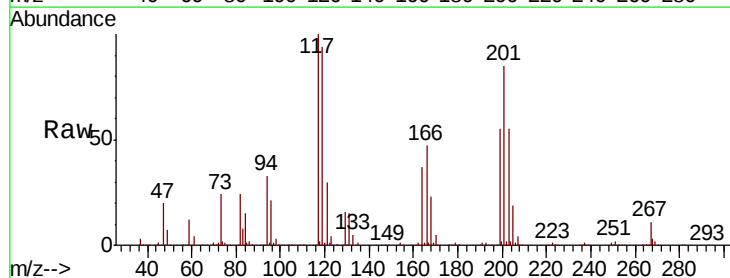
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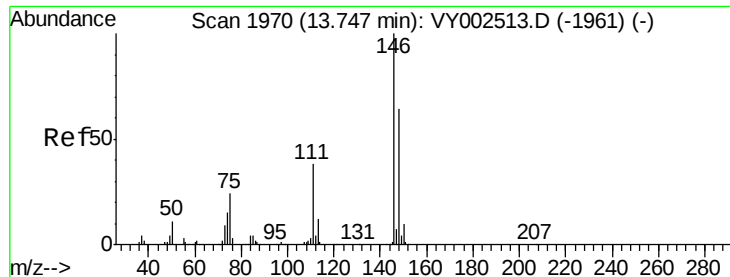
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#90
Hexachloroethane
Concen: 53.289 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	44.4	133.2





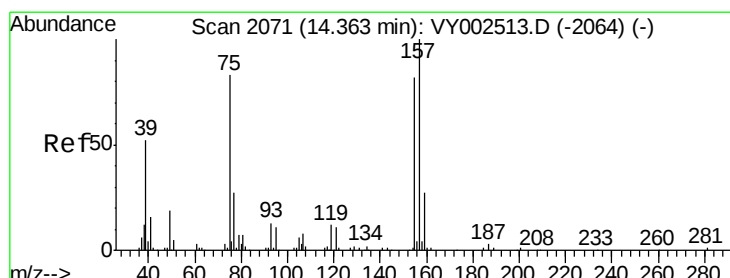
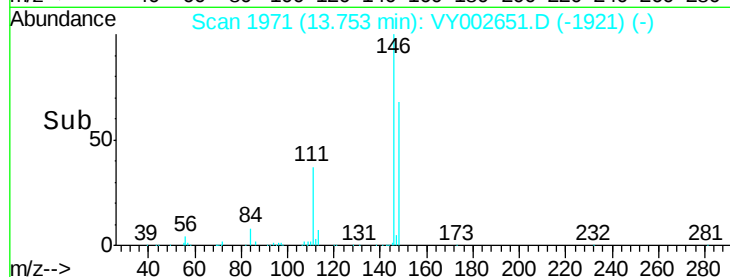
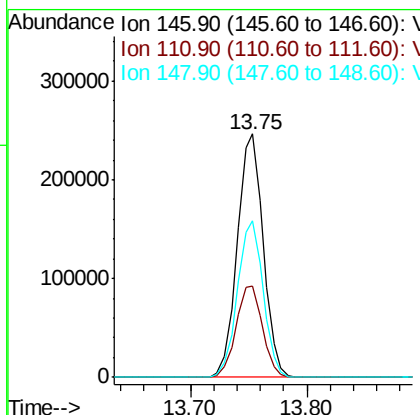
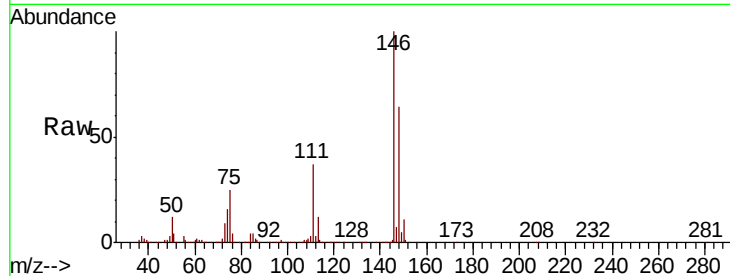
#91
 1,2-Dichlorobenzene
 Concen: 50.768 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	382065		
111	38.3	19.1	57.5	
148	63.9	31.9	95.7	

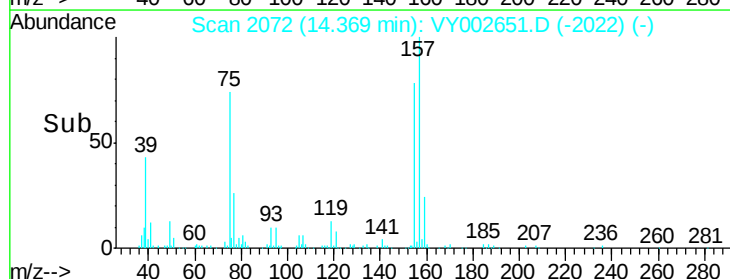
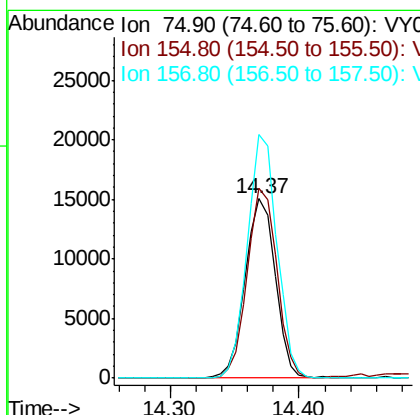
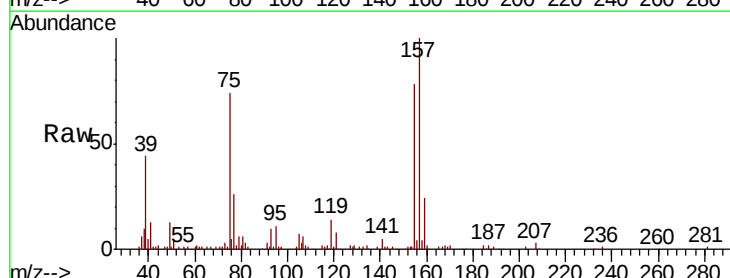
Manual Integrations
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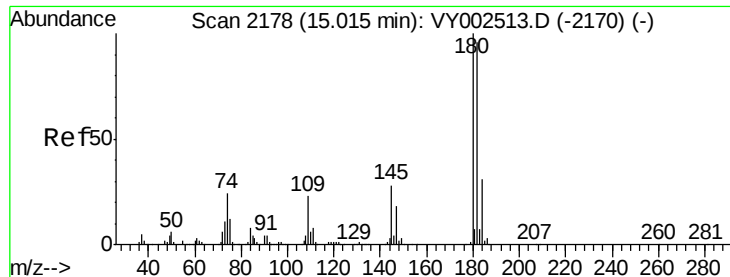
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.277 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24469		
155	103.5	51.3	153.9	
157	132.4	65.0	195.0	





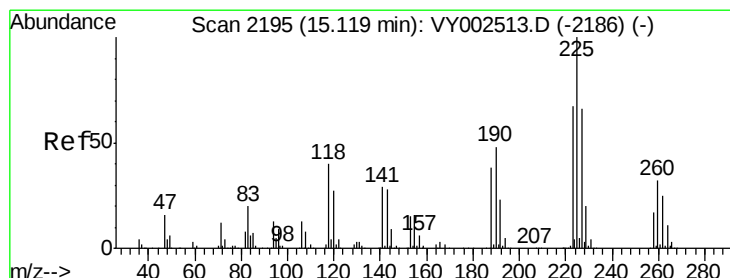
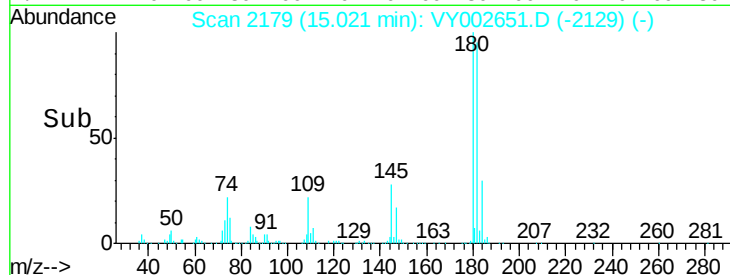
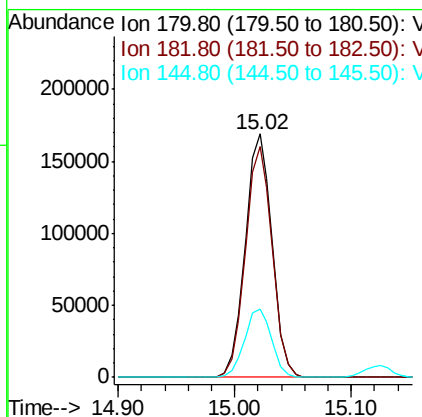
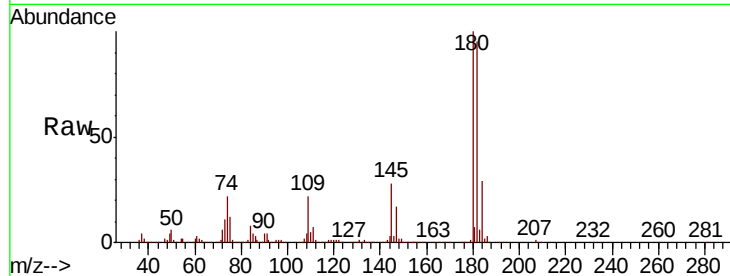
#93
 1,2,4-Trichlorobenzene
 Concen: 49.454 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	270206		
182	95.0	47.9	143.6	
145	28.6	14.4	43.0	

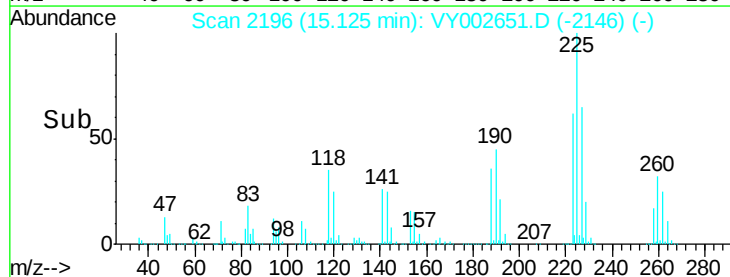
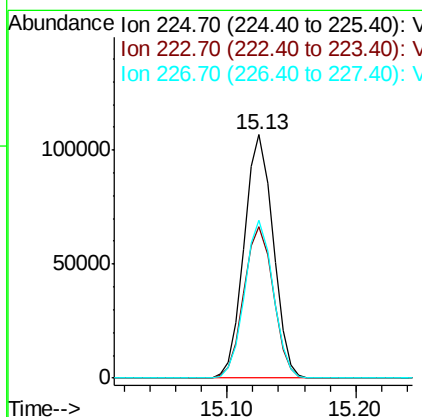
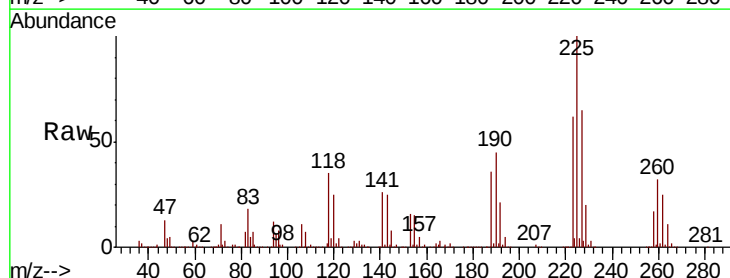
Manual Integrations
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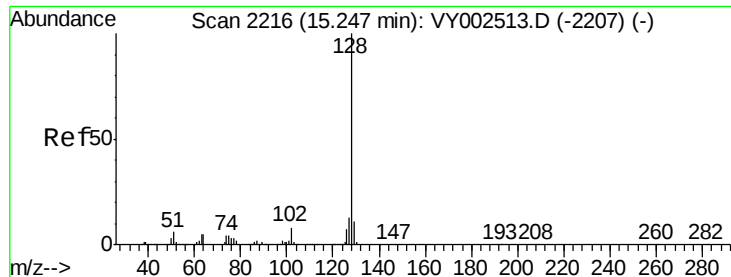
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 5/12/2020 12:10:01 PM



#94
 Hexachlorobutadiene
 Concen: 50.595 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002651.D
 Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	165934		
223	63.2	32.1	96.5	
227	63.7	32.0	96.2	





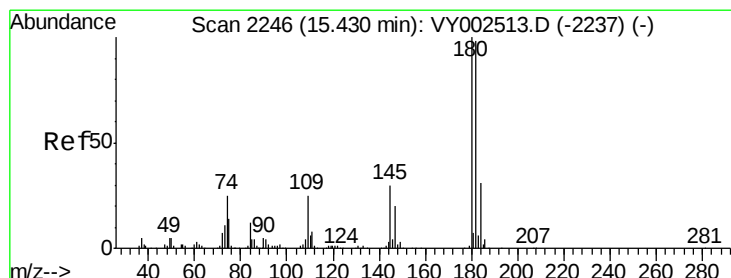
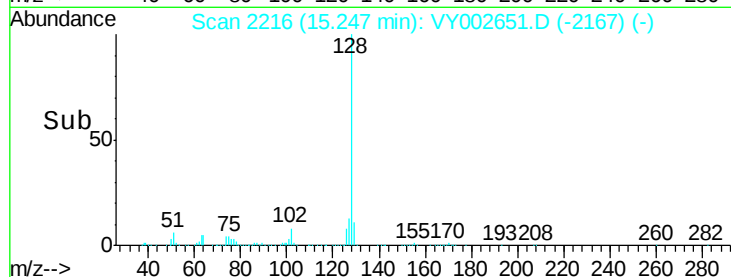
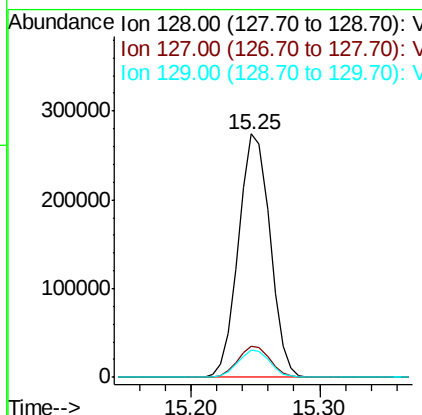
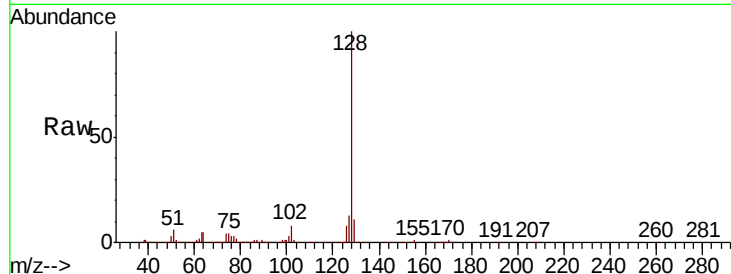
#95
Naphthalene
Concen: 46.804 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.2	8.8	13.2

Manual Integrations
APPROVED

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5/12/2020 12:10:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.003 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002651.D
Acq: 11 May 2020 10:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.8
145	30.6	15.0	45.1

