

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002649.D
 Acq On : 08 May 2020 18:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 1:00:58 PM

Quant Time: May 09 05:35:05 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	377928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	565178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	503277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	257668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	145970	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	7.74	113	157668	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.19	98	616369	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.49	95	209071	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	148583	47.666	ug/l	98
3) Chloromethane	2.13	50	148387	48.462	ug/l	98
4) Vinyl Chloride	2.26	62	174299	49.298	ug/l	99
5) Bromomethane	2.66	94	122304	50.162	ug/l	99
6) Chloroethane	2.81	64	105295	49.877	ug/l	99
7) Trichlorofluoromethane	3.15	101	278435	50.813	ug/l	100
8) Diethyl Ether	3.55	74	92190	50.065	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	171468	51.200	ug/l	99
10) Methyl Iodide	4.11	142	233854	51.254	ug/l	99
11) Tert butyl alcohol	4.99	59	68736	210.247	ug/l	98
12) 1,1-Dichloroethene	3.90	96	169842	52.204	ug/l	96
13) Acrolein	3.76	56	40370	178.571	ug/l	98
14) Allyl chloride	4.51	41	246986	52.104	ug/l	98
15) Acrylonitrile	5.20	53	203658	234.527	ug/l	100
16) Acetone	3.97	43	143271	218.466	ug/l	99
17) Carbon Disulfide	4.22	76	502383	51.329	ug/l	100
18) Methyl Acetate	4.51	43	96480	44.031	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	422542	49.781	ug/l	100
20) Methylene Chloride	4.75	84	183082	49.922	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	187368	52.692	ug/l	98
22) Diisopropyl ether	6.15	45	494416	51.548	ug/l	96
23) Vinyl Acetate	6.09	43	1478607	245.130	ug/l	100
24) 1,1-Dichloroethane	6.05	63	301950	53.215	ug/l	99
25) 2-Butanone	7.02	43	246222	229.361	ug/l	100
26) 2,2-Dichloropropane	7.01	77	265919	49.304	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	205671	52.273	ug/l	99
28) Bromochloromethane	7.36	49	122332	52.620	ug/l	98
29) Tetrahydrofuran	7.37	42	164595	231.741	ug/l	99
30) Chloroform	7.53	83	307527	52.124	ug/l	97
31) Cyclohexane	7.81	56	280805	49.165	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	285702	52.100	ug/l	100
36) 1,1-Dichloropropene	7.94	75	246968	52.126	ug/l	99
37) Ethyl Acetate	7.10	43	111871	45.948	ug/l	99
38) Carbon Tetrachloride	7.93	117	266750	51.569	ug/l	99

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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)
39) Methylcyclohexane	9.20	83	326007	52.095	ug/l	99
40) Benzene	8.18	78	711143	51.968	ug/l	100
41) Methacrylonitrile	7.35	41	70023m	53.491	ug/l	
42) 1,2-Dichloroethane	8.26	62	184560	48.082	ug/l	99
43) Isopropyl Acetate	8.29	43	219946	48.187	ug/l	99
44) Trichloroethene	8.96	130	228480	53.427	ug/l	97
45) 1,2-Dichloropropane	9.24	63	171120	51.813	ug/l	98
46) Dibromomethane	9.32	93	93099	48.995	ug/l	98
47) Bromodichloromethane	9.51	83	237778	51.463	ug/l	98
48) Methyl methacrylate	9.31	41	99611	48.221	ug/l	99
49) 1,4-Dioxane	9.32	88	25287	1005.081	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	555856	236.267	ug/l	98
52) Toluene	10.26	92	460383	52.349	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	244849	50.578	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	287177	51.314	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	138907	50.129	ug/l	99
56) Ethyl methacrylate	10.52	69	185155	50.228	ug/l	97
57) 1,3-Dichloropropane	10.80	76	232673	49.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	461514	237.406	ug/l	100
59) 2-Hexanone	10.85	43	384959	237.737	ug/l	99
60) Dibromochloromethane	11.00	129	177709	50.423	ug/l	99
61) 1,2-Dibromoethane	11.10	107	133201	48.547	ug/l	98
64) Tetrachloroethene	10.73	164	252592	56.488	ug/l	98
65) Chlorobenzene	11.53	112	506592	52.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	189890	53.469	ug/l	99
67) Ethyl Benzene	11.60	91	901236	53.627	ug/l	100
68) m/p-Xylenes	11.71	106	693487	106.650	ug/l	99
69) o-Xylene	12.04	106	327025	53.713	ug/l	99
70) Styrene	12.05	104	559008	53.708	ug/l	99
71) Bromoform	12.22	173	111252	50.472	ug/l	99
73) Isopropylbenzene	12.34	105	889185	53.247	ug/l	99
74) N-amyl acetate	12.15	43	203758	50.723	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	119684	45.065	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	104178m	45.496	ug/l	
77) Bromobenzene	12.62	156	232975	55.840	ug/l	90
78) n-propylbenzene	12.68	91	1035985	53.458	ug/l	100
79) 2-Chlorotoluene	12.77	91	568912	52.997	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	745056	53.824	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	53880	47.183	ug/l	99
82) 4-Chlorotoluene	12.86	91	586917	52.050	ug/l	100
83) tert-Butylbenzene	13.08	119	662154	54.555	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	738780	53.552	ug/l	100
85) sec-Butylbenzene	13.26	105	901909	53.551	ug/l	100
86) p-Isopropyltoluene	13.38	119	847325	53.693	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	409563	51.866	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	405158	51.816	ug/l	99
89) n-Butylbenzene	13.70	91	762215	53.056	ug/l	100
90) Hexachloroethane	13.97	117	155093	53.966	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	361102	51.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	24142	48.766	ug/l	96

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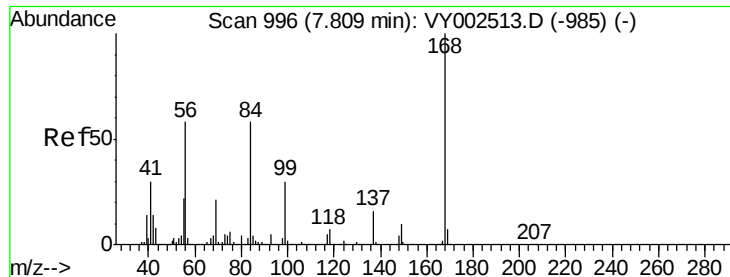
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	258500	50.532	ug/l	99
94) Hexachlorobutadiene	15.12	225	161133	52.475	ug/l	99
95) Naphthalene	15.25	128	475077	50.908	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	209552	48.254	ug/l	98

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



#1

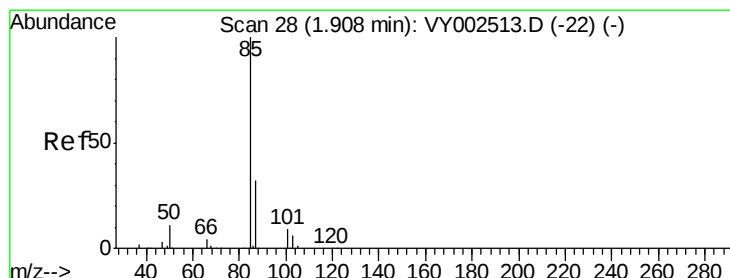
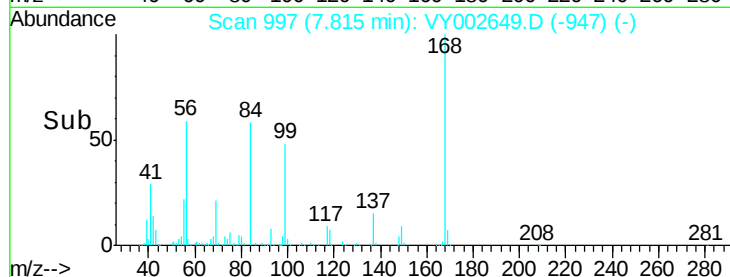
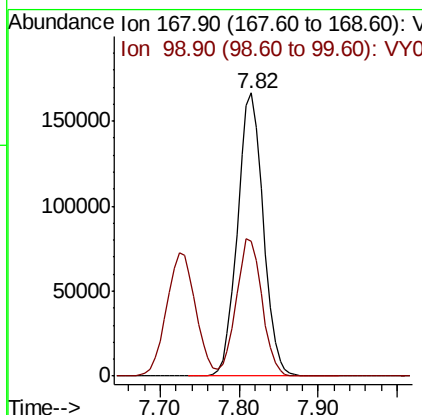
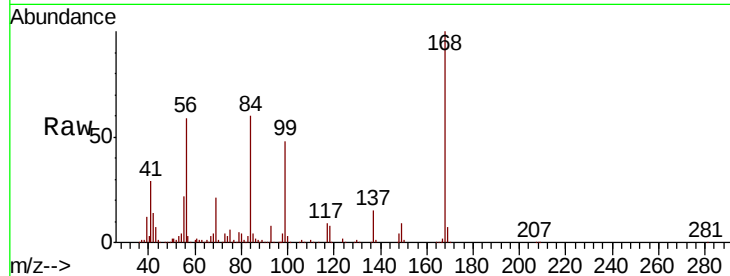
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.8	39.2	58.8

Manual Integrations
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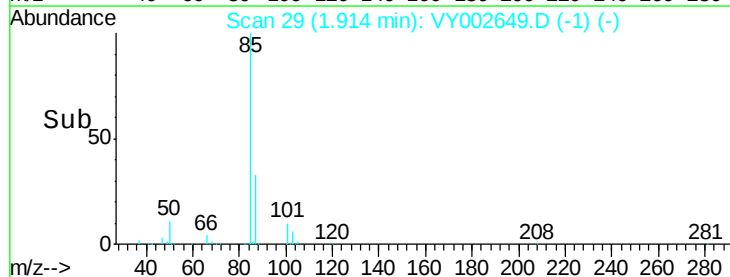
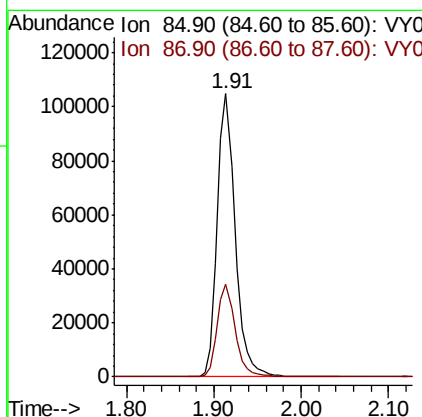
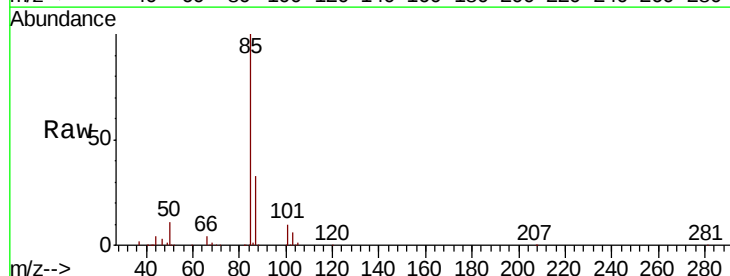
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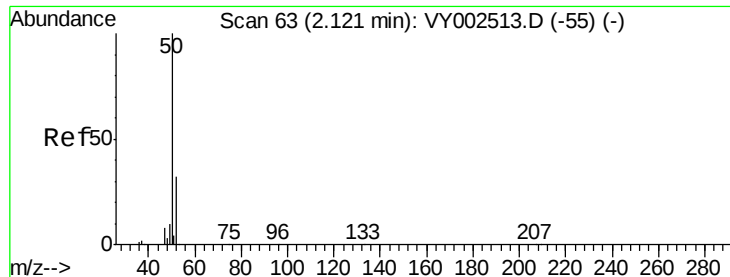


#2

Dichlorodifluoromethane
 Concen: 47.666 ug/l
 RT: 1.91 min Scan# 29
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.8	47.4





#3

Chloromethane

Concen: 48.462 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 148387

Ion Ratio Lower Upper

50 100

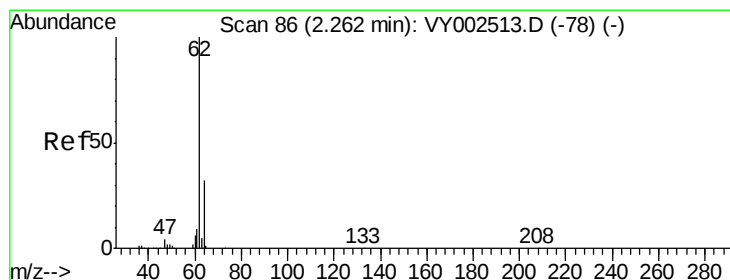
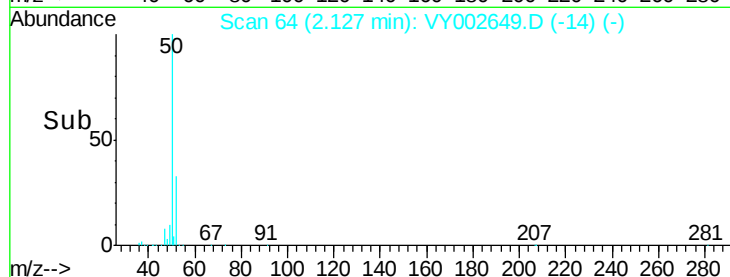
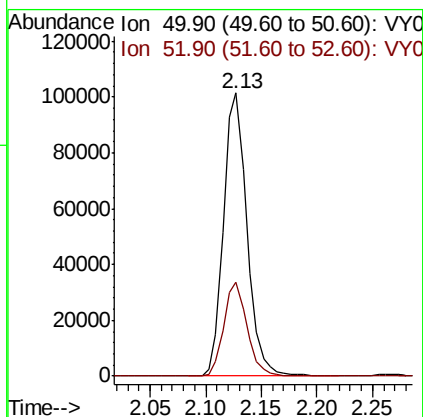
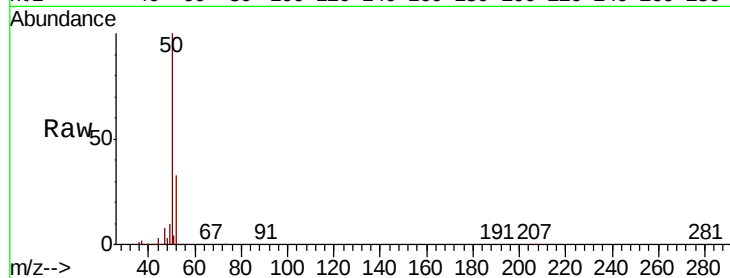
52 33.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.298 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002649.D

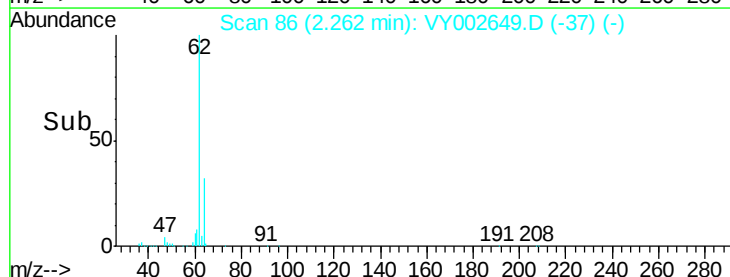
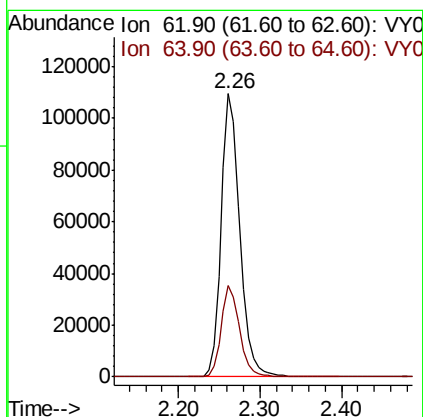
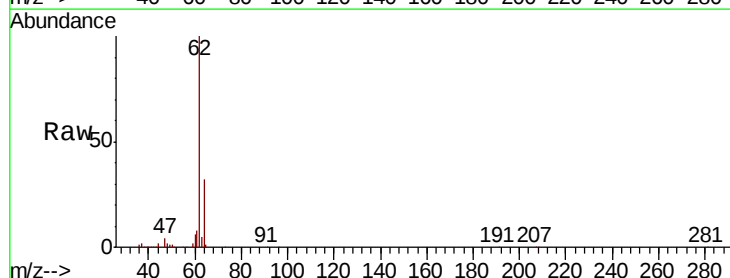
Acq: 08 May 2020 18:18

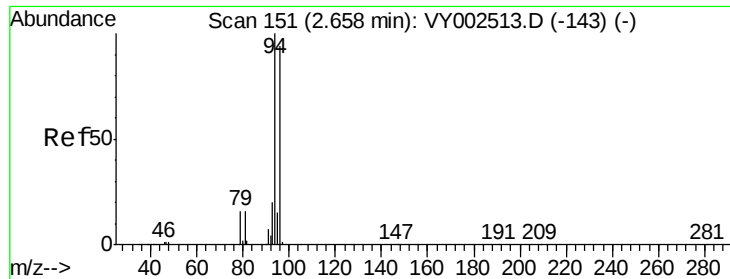
Tgt Ion: 62 Resp: 174299

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 50.162 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 122304

Ion Ratio Lower Upper

94 100

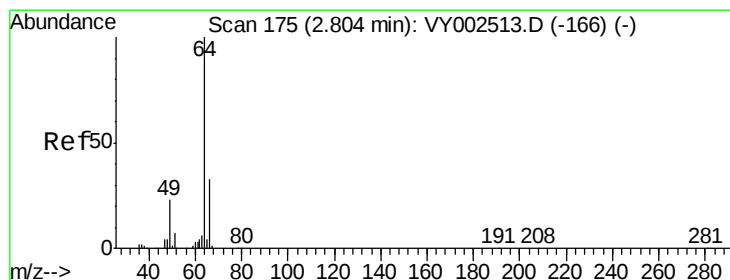
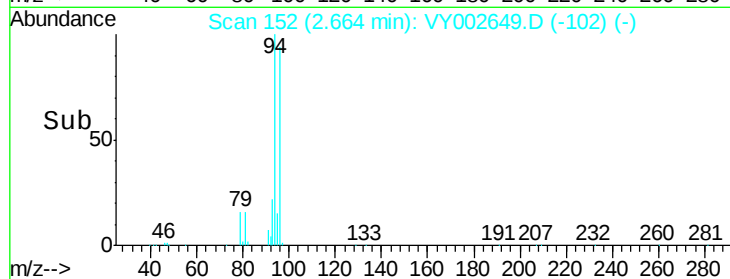
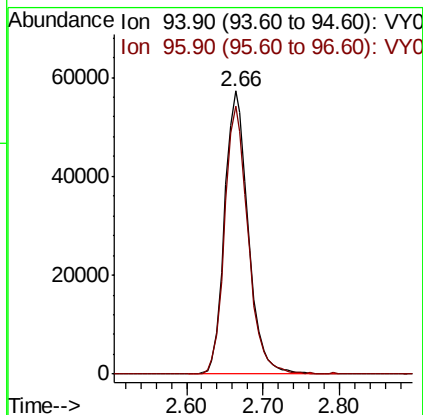
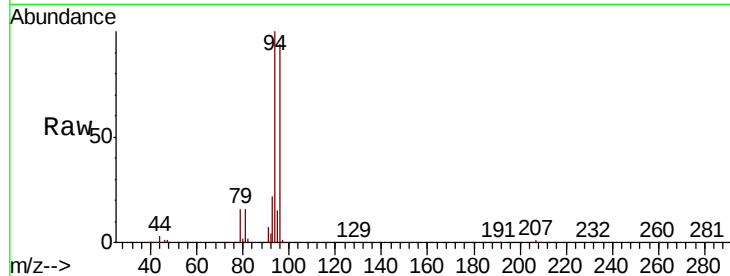
96 94.4 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 49.877 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002649.D

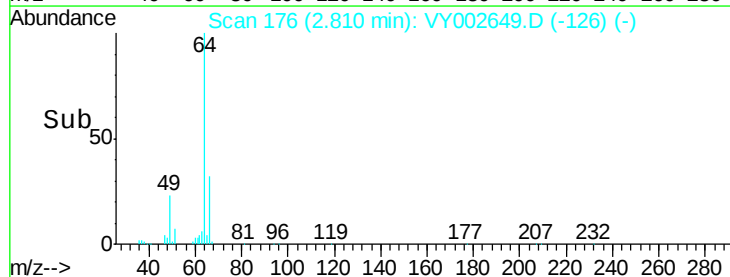
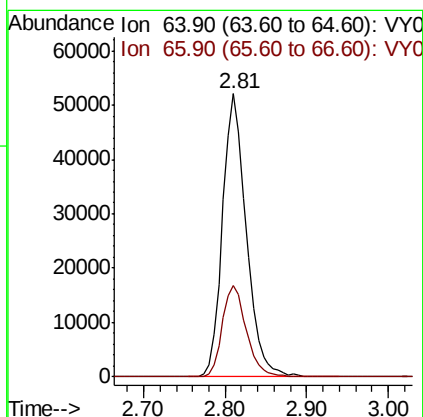
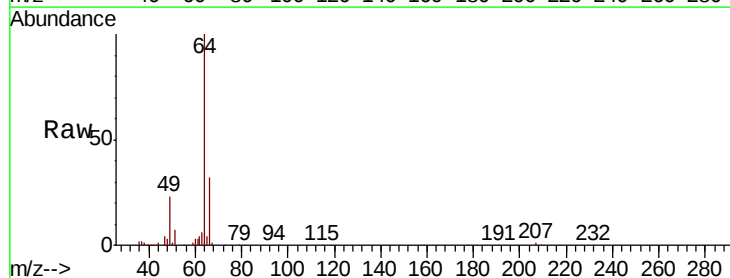
Acq: 08 May 2020 18:18

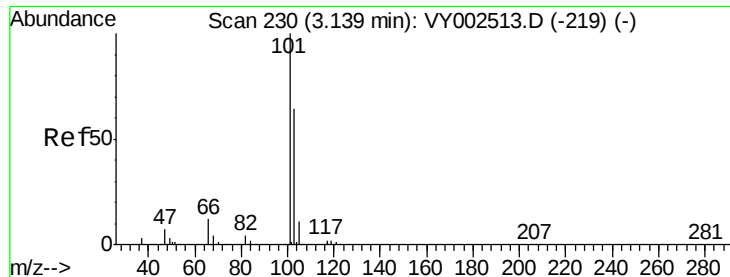
Tgt Ion: 64 Resp: 105295

Ion Ratio Lower Upper

64 100

66 32.1 26.3 39.5





#7

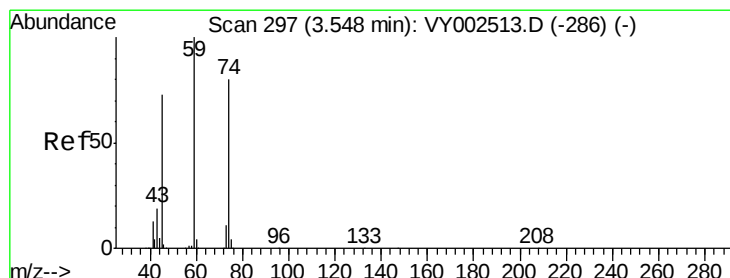
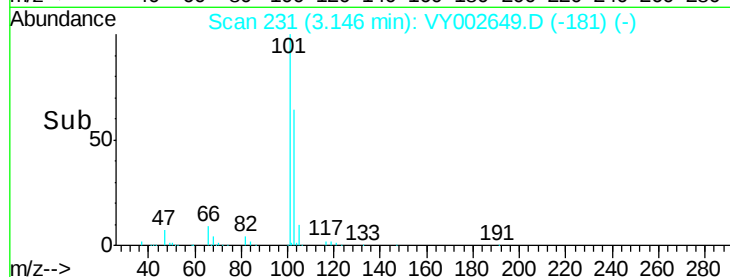
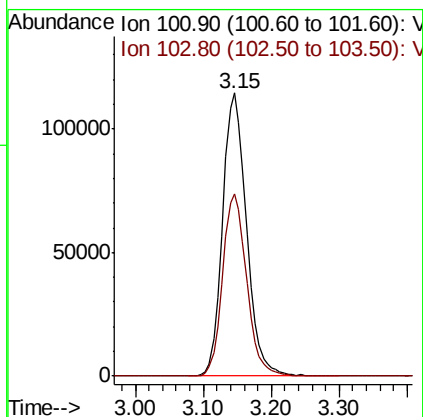
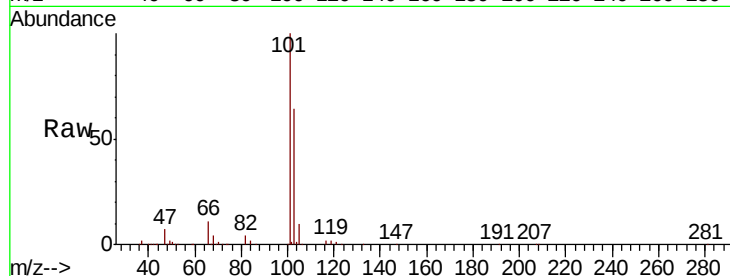
Trichlorofluoromethane
Concen: 50.813 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.0

Manual Integrations
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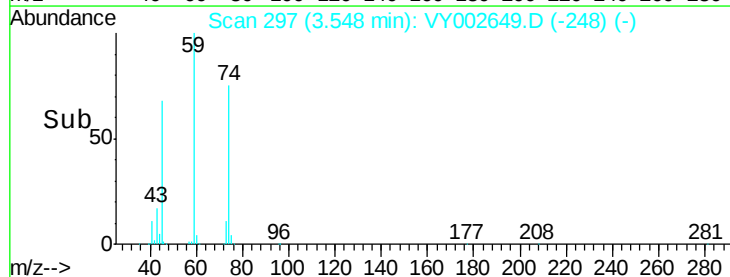
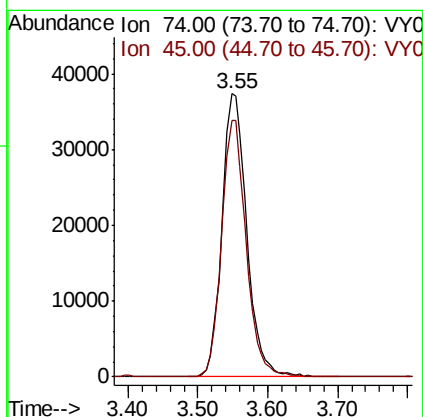
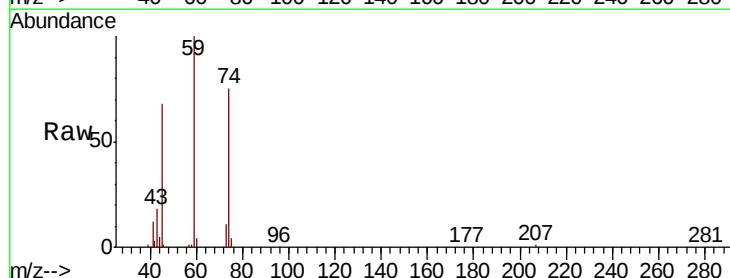
MMDadoda
5/11/2020 1:00:58 PM

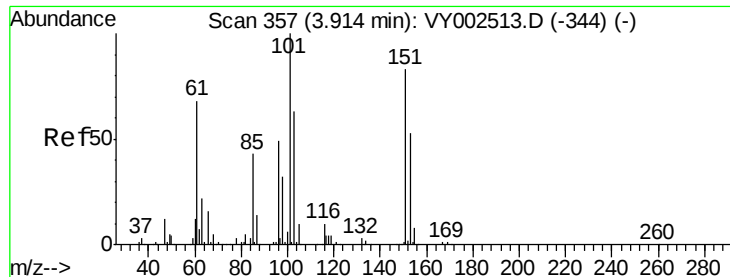


#8

Diethyl Ether
Concen: 50.065 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.0	46.2	138.5





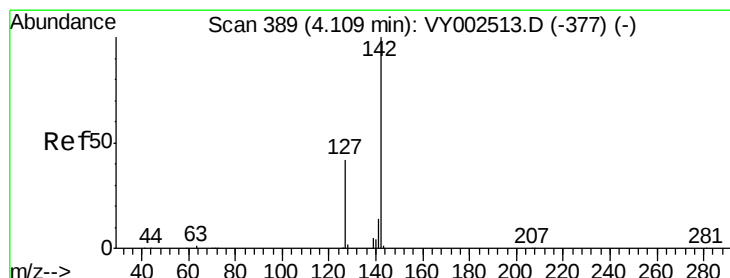
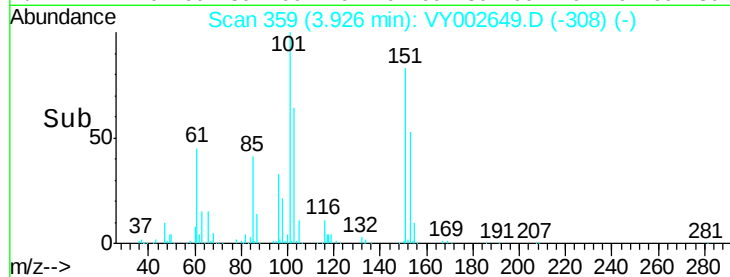
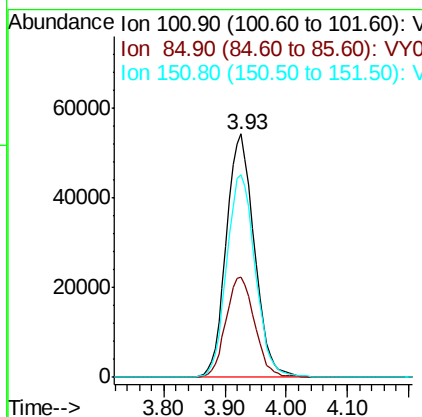
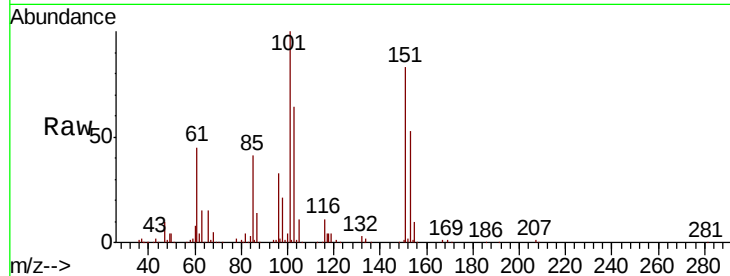
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.200 ug/l
 RT: 3.93 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

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 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	171468		
85	42.2	33.4	50.2	
151	85.0	66.8	100.2	

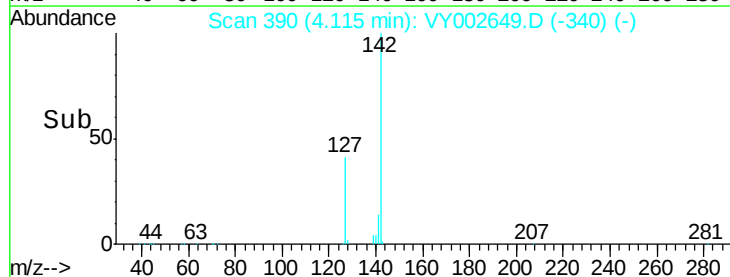
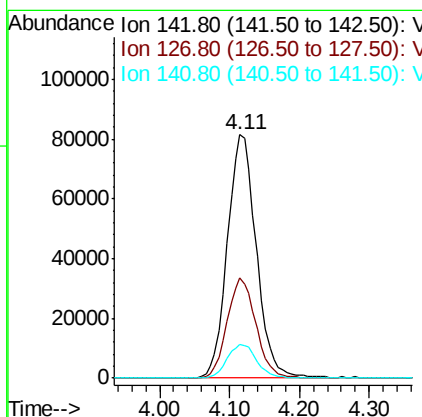
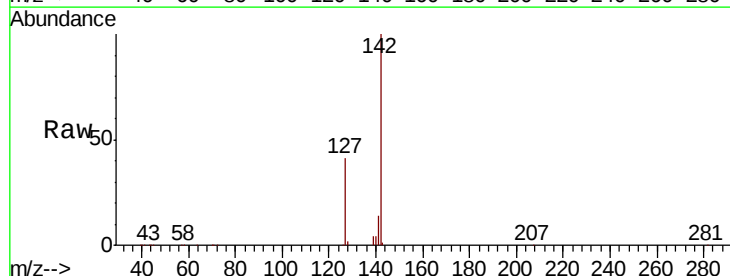
Manual Integrations
 APPROVED

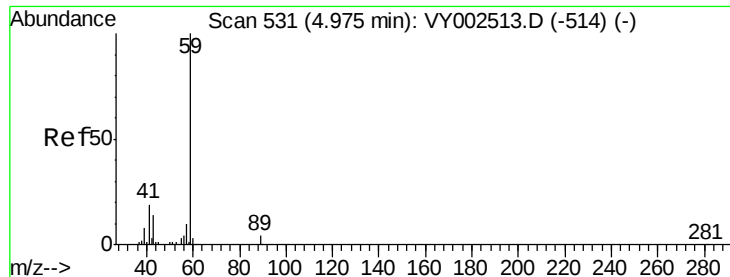
MMDadoda
 5/11/2020 1:00:58 PM



#10
 Methyl Iodide
 Concen: 51.254 ug/l
 RT: 4.11 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	233854		
127	41.0	33.7	50.5	
141	14.2	11.4	17.0	





#11

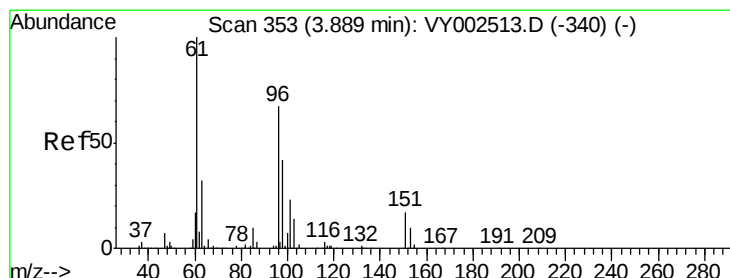
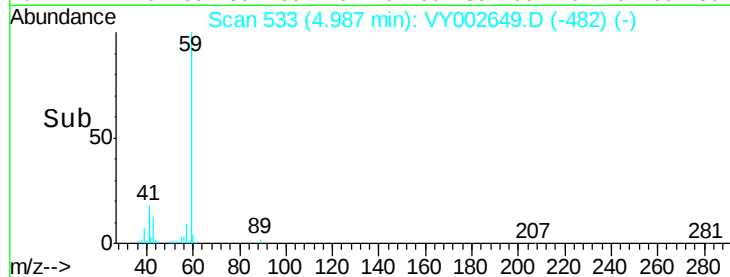
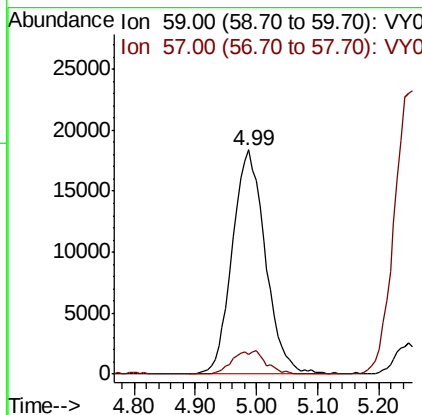
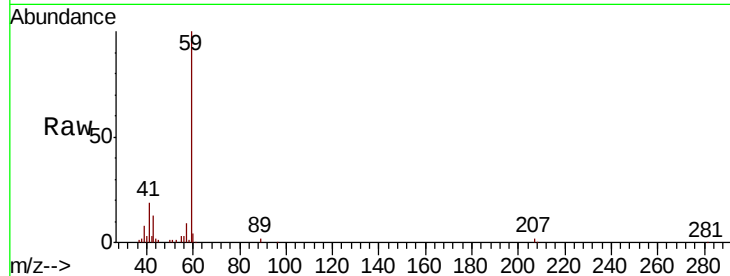
Tert butyl alcohol
Concen: 210.247 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.5	7.8	11.6

Manual Integrations
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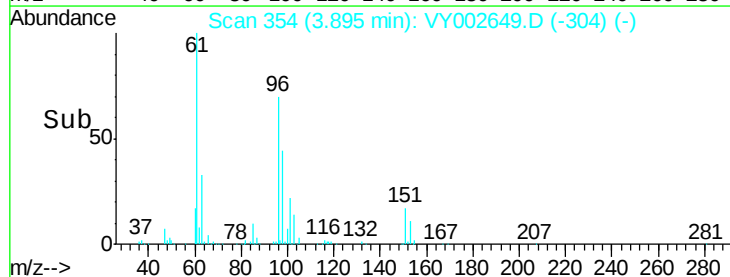
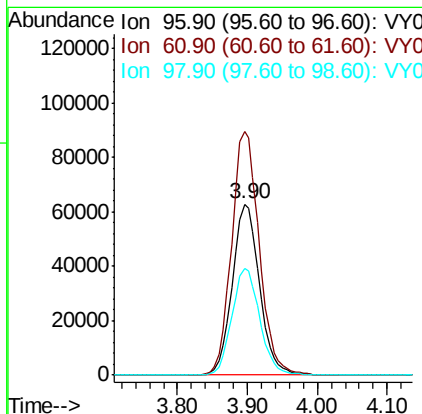
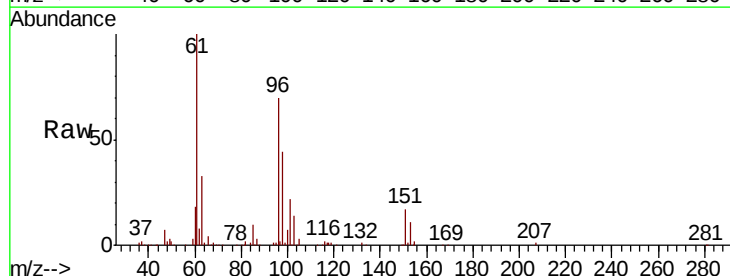
MMDadoda
5/11/2020 1:00:58 PM

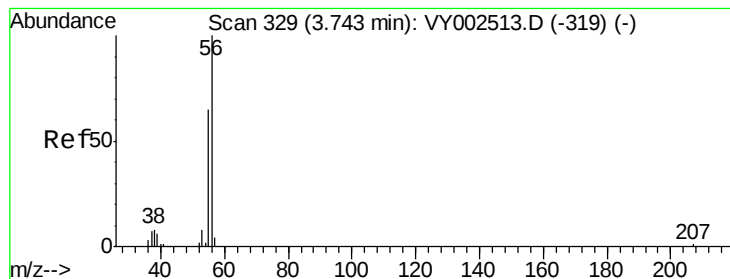


#12

1,1-Dichloroethene
Concen: 52.204 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	142.6	118.8	178.2
98	98	62.6	49.6	74.4





#13

Acrolein

Concen: 178.571 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 40370

Ion Ratio Lower Upper

56 100

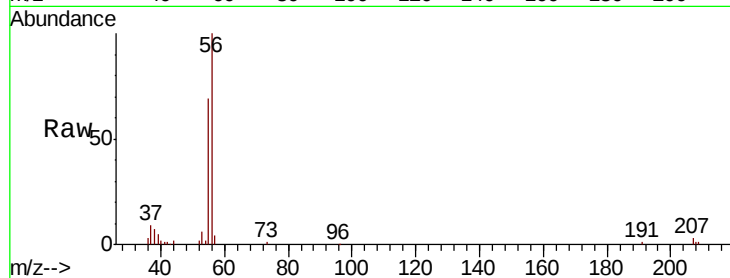
55 68.8 53.8 80.6

Manual Integrations

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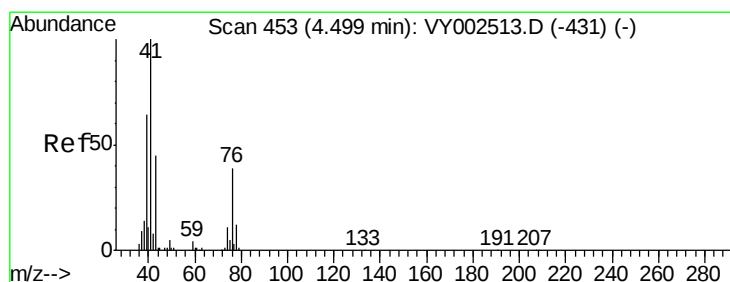
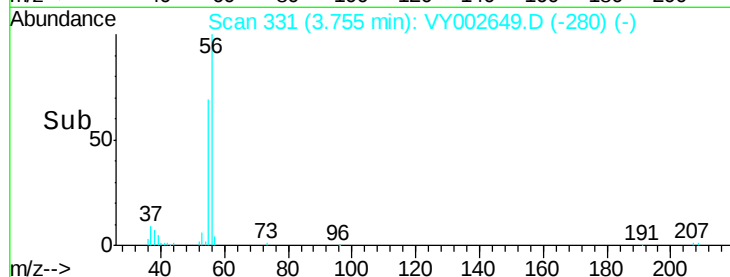
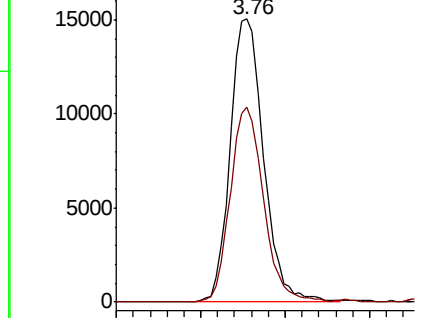
MMDadoda

5/11/2020 1:00:58 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 52.104 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

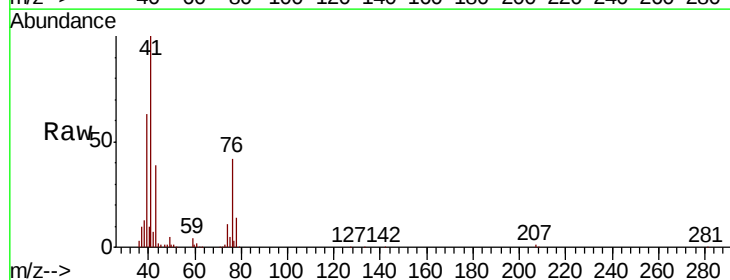
Tgt Ion: 41 Resp: 246986

Ion Ratio Lower Upper

41 100

39 62.4 51.8 77.6

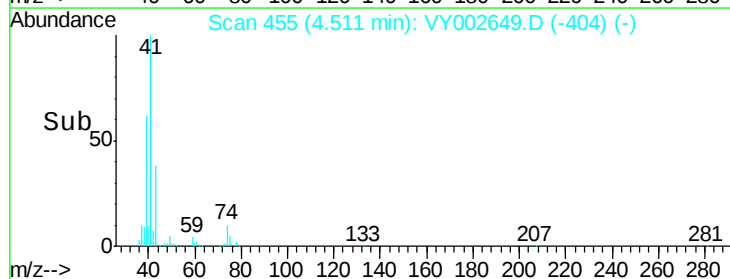
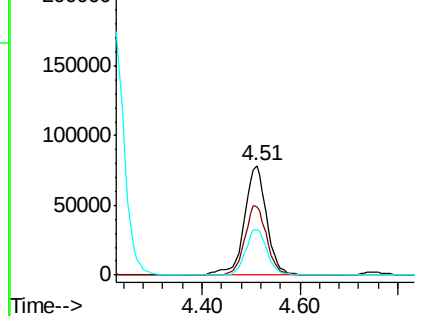
76 40.6 31.7 47.5

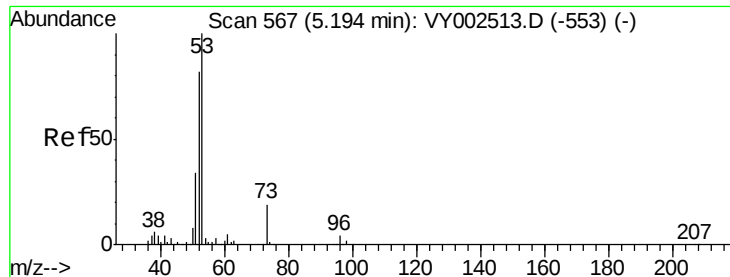


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





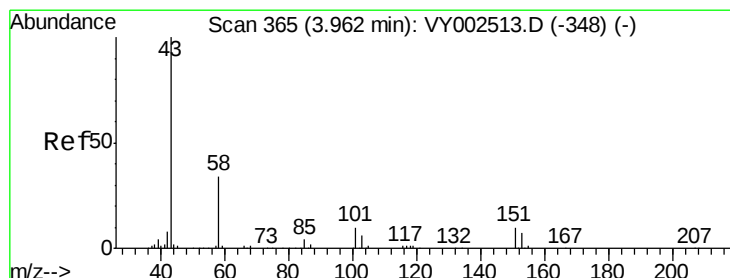
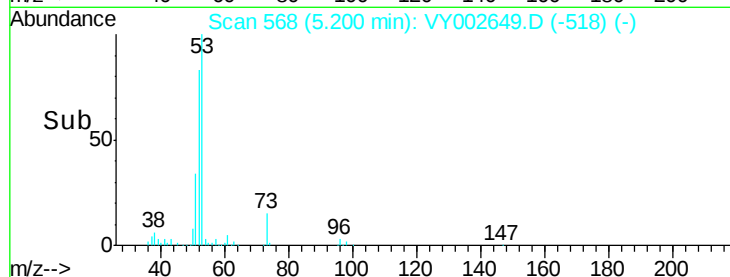
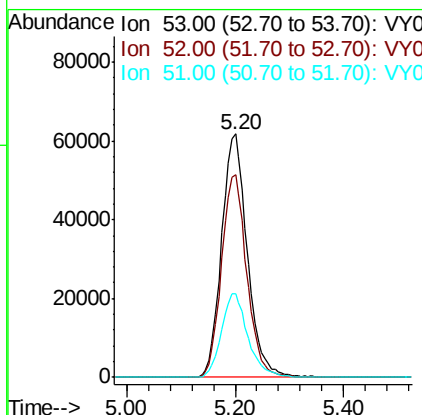
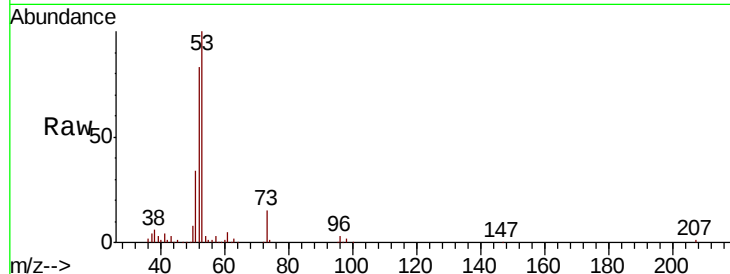
#15
 Acrylonitrile
 Concen: 234.527 ug/l
 RT: 5.20 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	53	Resp	203658
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.0
51	35.4	28.7	43.1

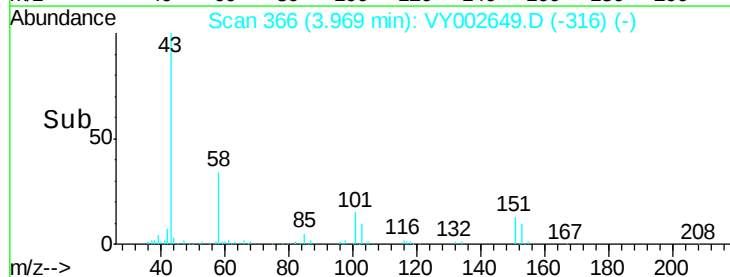
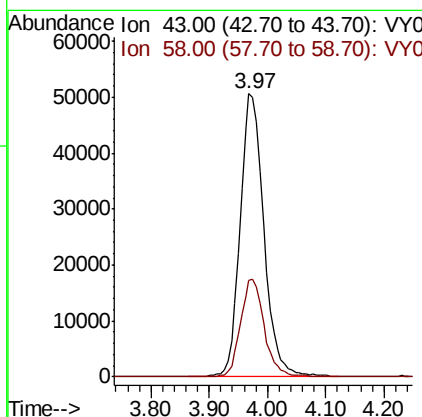
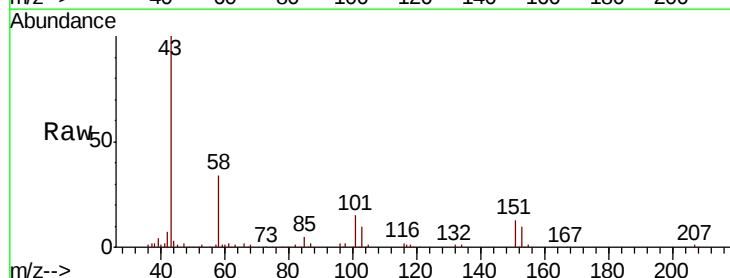
Manual Integrations
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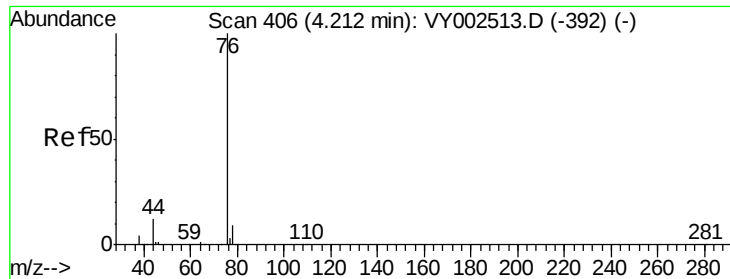
MMDadoda
 5/11/2020 1:00:58 PM



#16
 Acetone
 Concen: 218.466 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	43	Resp	143271
Ion	Ratio	Lower	Upper
43	100		
58	34.0	26.9	40.3





#17

Carbon Disulfide

Concen: 51.329 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 502383

Ion Ratio Lower Upper

76 100

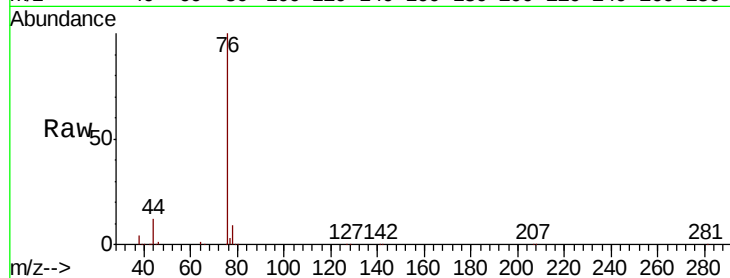
78 9.2 7.4 11.2

Manual Integrations

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5/11/2020 1:00:58 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

200000

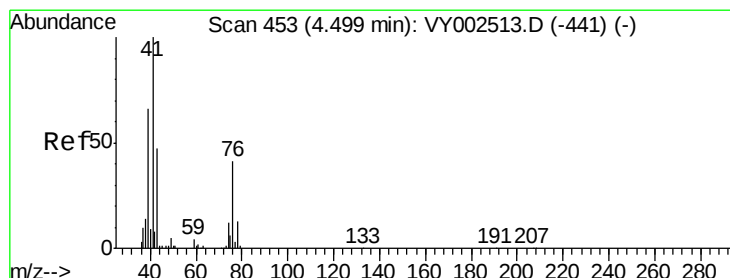
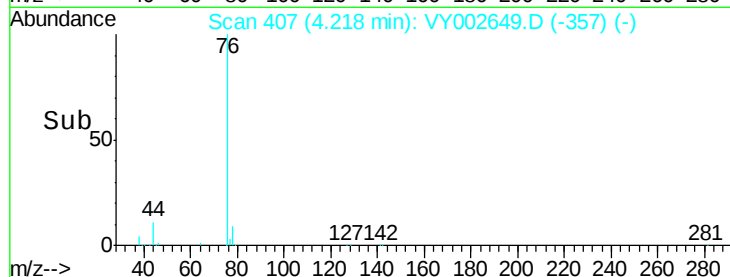
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.031 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002649.D

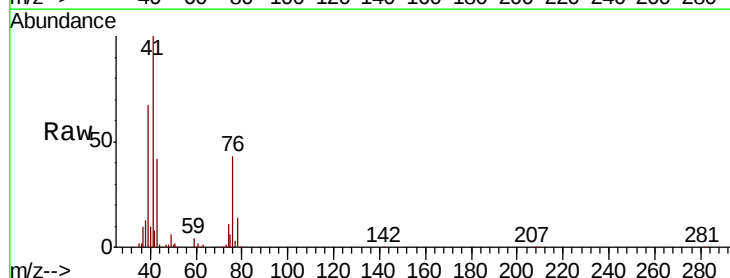
Acq: 08 May 2020 18:18

Tgt Ion: 43 Resp: 96480

Ion Ratio Lower Upper

43 100

74 26.5 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.51

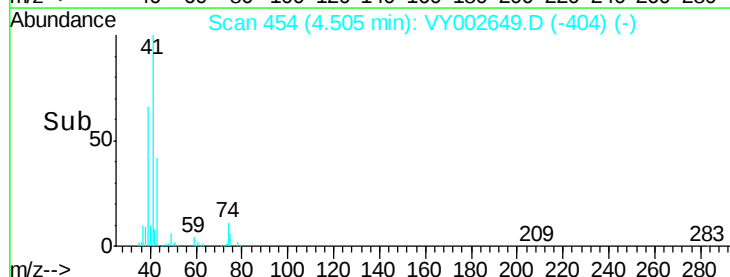
30000

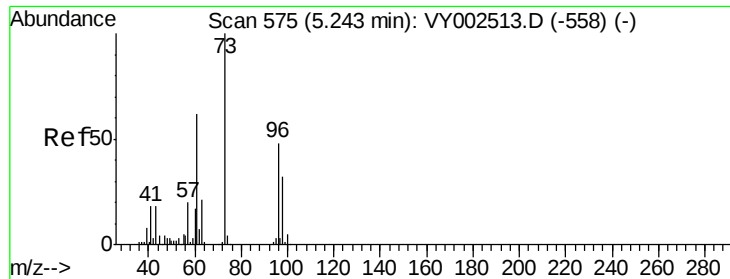
20000

10000

0

Time-->





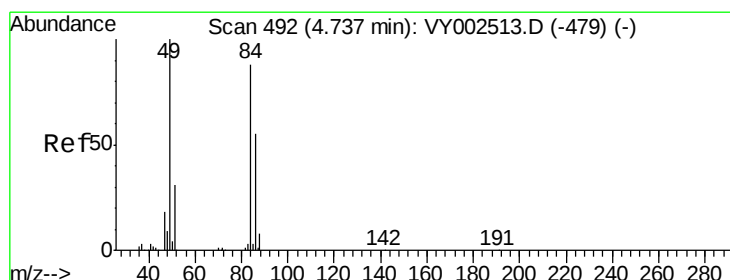
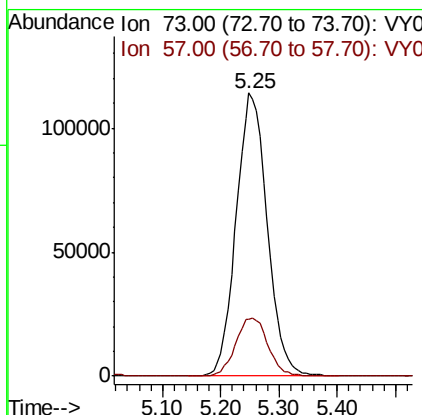
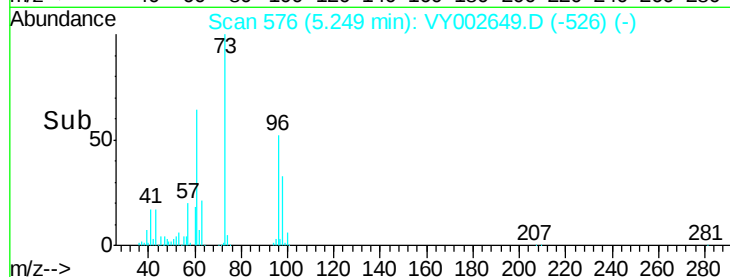
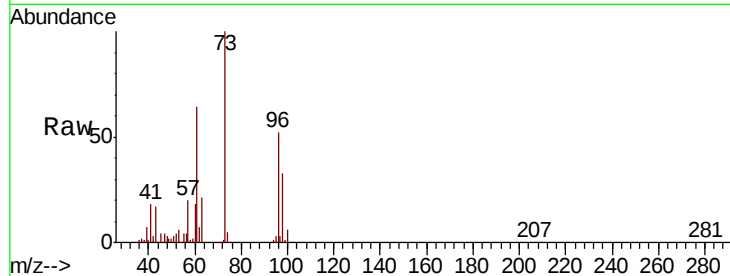
#19
Methvl tert-butvl Ether
Concen: 49.781 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 422542
Ion Ratio Lower Upper
73 100
57 20.2 16.3 24.5

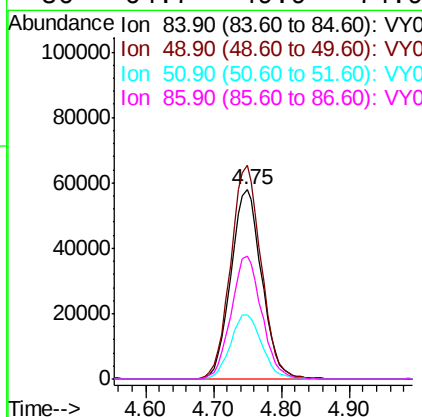
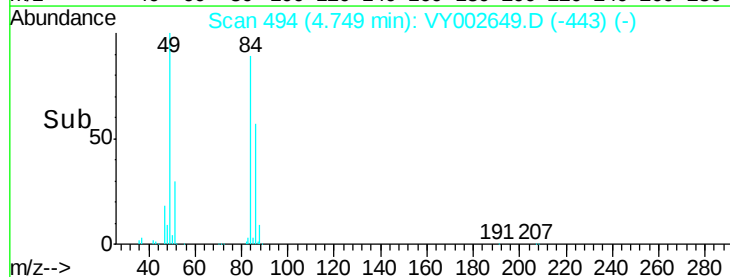
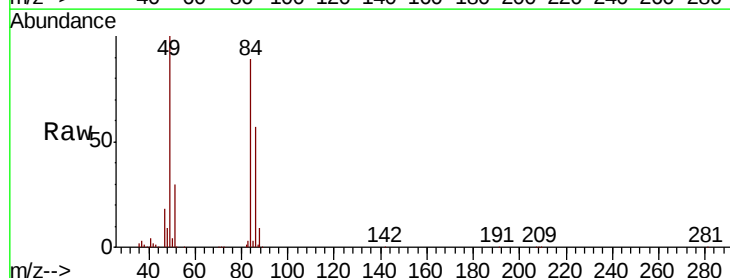
Manual Integrations
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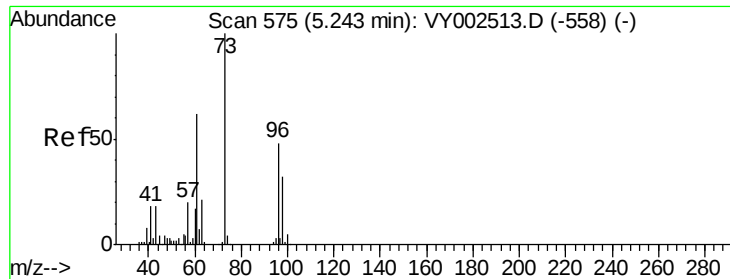
MMDadoda
5/11/2020 1:00:58 PM



#20
Methylene Chloride
Concen: 49.922 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 84 Resp: 183082
Ion Ratio Lower Upper
84 100
49 112.9 90.5 135.7
51 34.0 28.3 42.5
86 64.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 52.692 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

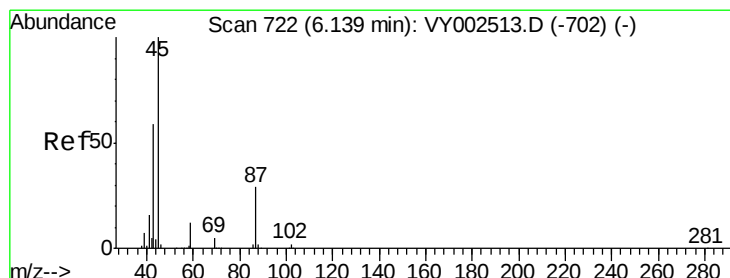
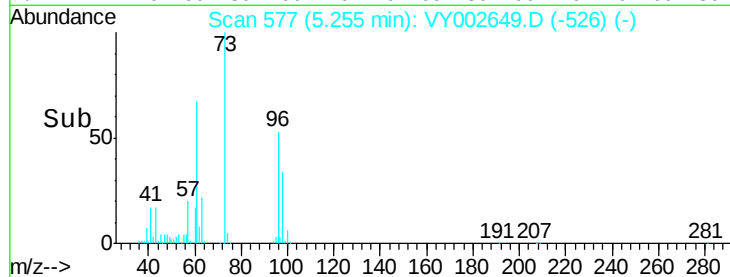
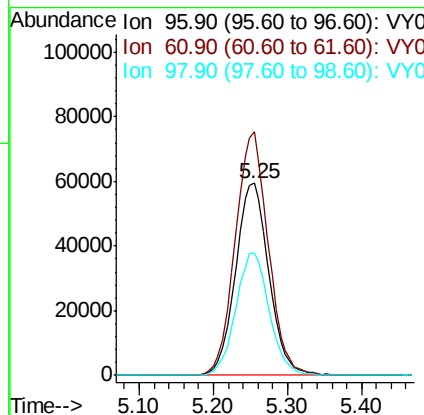
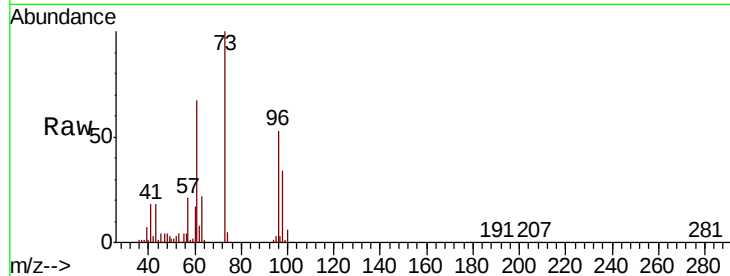
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	187368
Ion	Ratio	Lower	Upper
96	100		
61	126.6	102.0	153.0
98	63.5	53.0	79.4

Manual Integrations
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5/11/2020 1:00:58 PM



#22

Diisopropyl ether

Concen: 51.548 ug/l

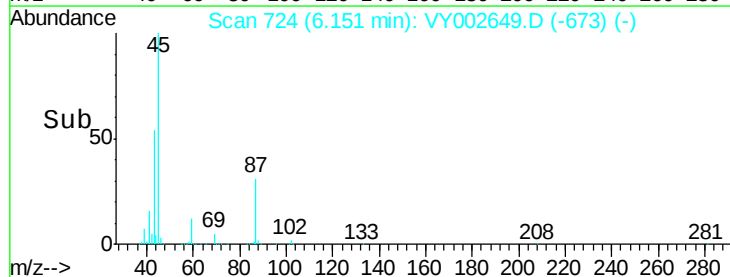
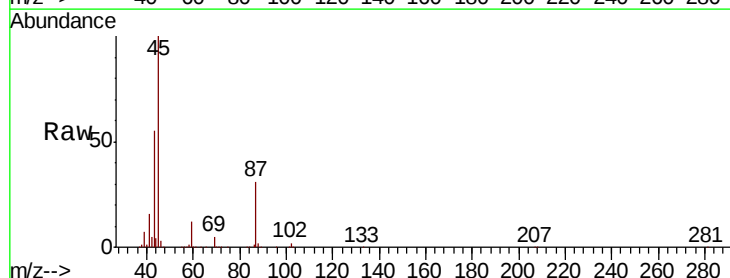
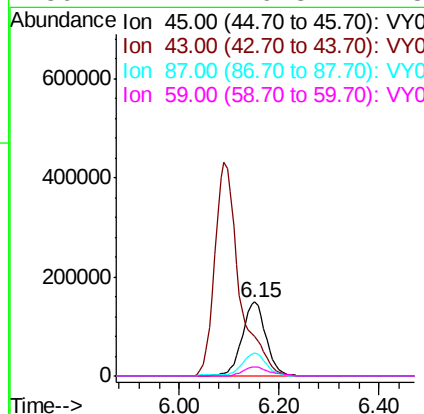
RT: 6.15 min Scan# 724

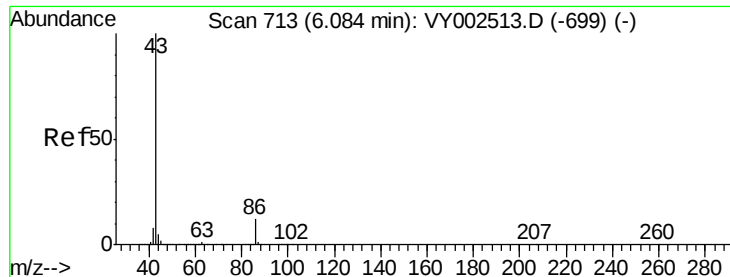
Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion:	45	Resp:	494416
Ion	Ratio	Lower	Upper
45	100		
43	54.4	47.4	71.0
87	30.9	24.0	36.0
59	11.7	9.8	14.8





#23

Vinyl Acetate

Concen: 245.130 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1478607

Ion Ratio Lower Upper

43 100

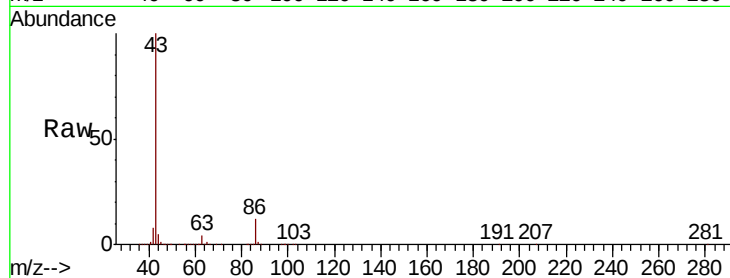
86 12.3 9.8 14.6

Manual Integrations

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5/11/2020 1:00:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.09

400000

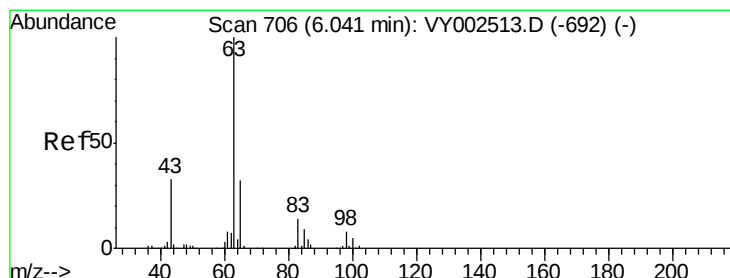
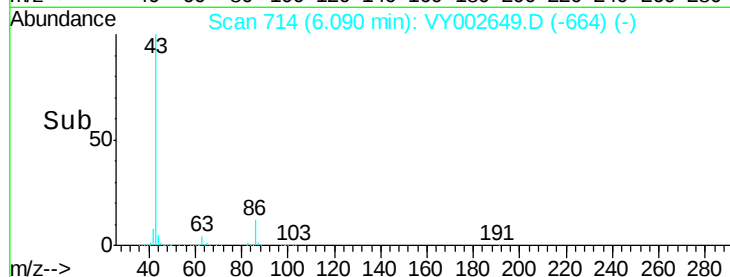
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.215 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

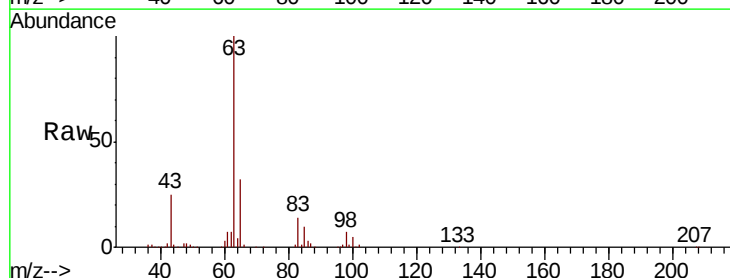
Tgt Ion: 63 Resp: 301950

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 5.0 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

120000

100000

80000

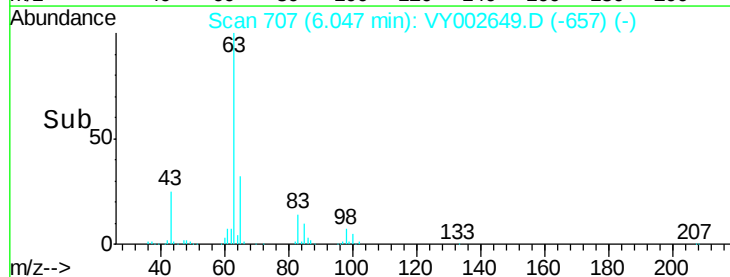
60000

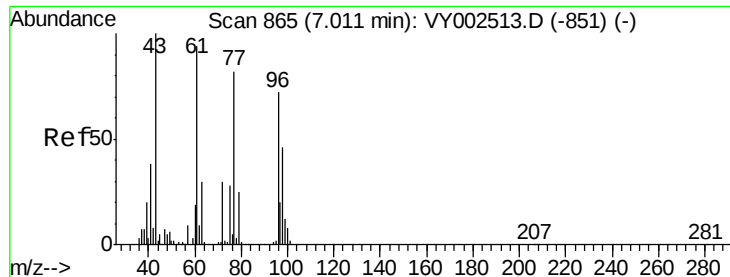
40000

20000

0

Time-->





#25

2-Butanone

Concen: 229.361 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 246222

Ion Ratio Lower Upper

43 100

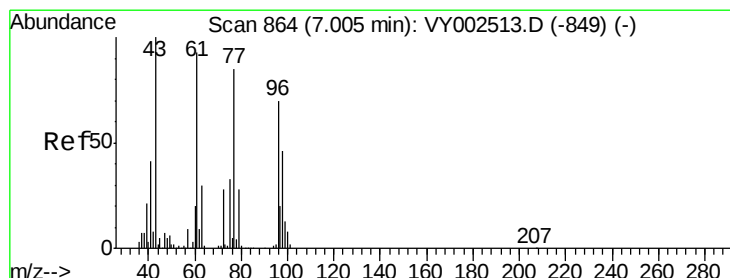
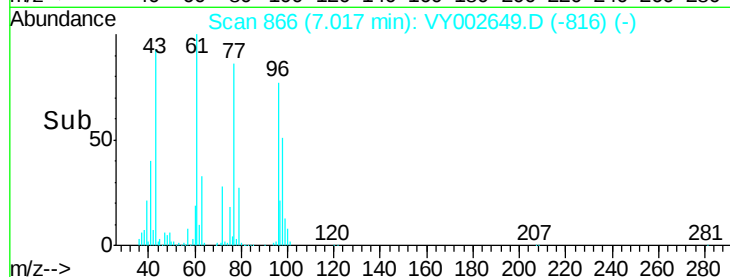
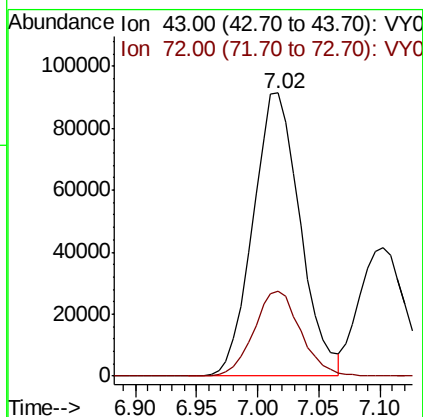
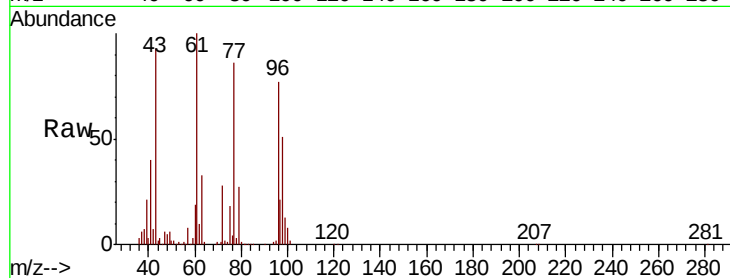
72 29.9 24.1 36.1

Manual Integrations

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MMDadoda

5/11/2020 1:00:58 PM



#26

2,2-Dichloropropane

Concen: 49.304 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002649.D

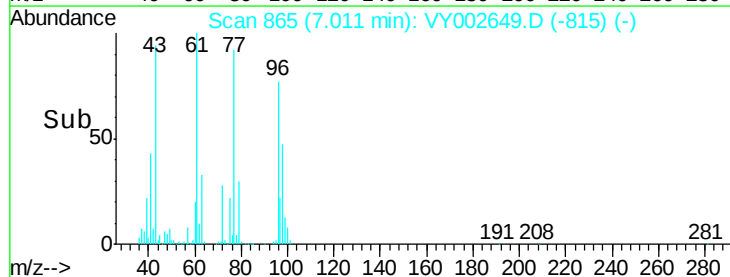
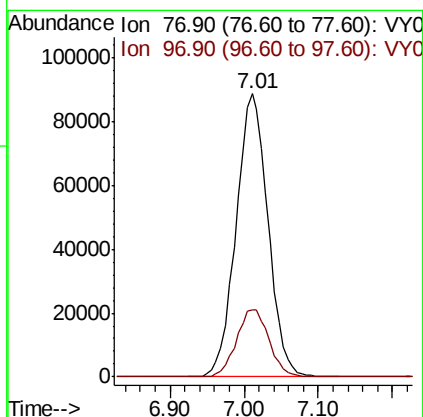
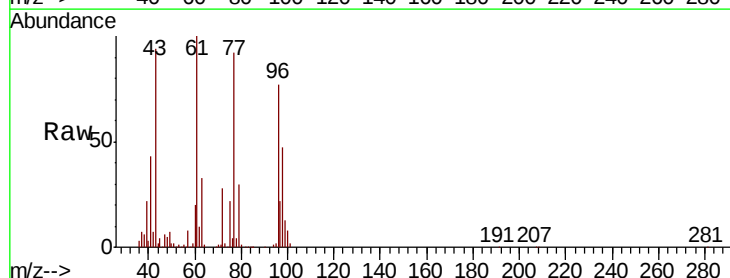
Acq: 08 May 2020 18:18

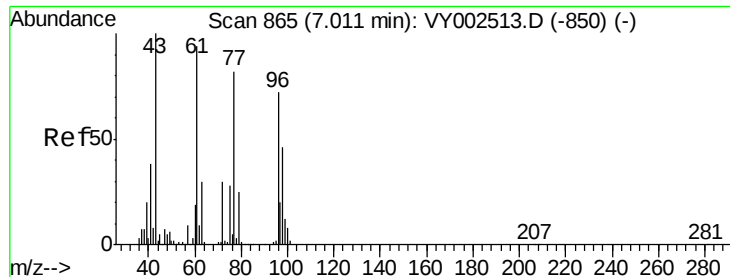
Tgt Ion: 77 Resp: 265919

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.5





#27

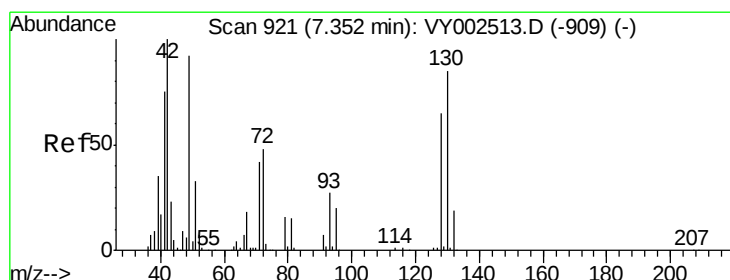
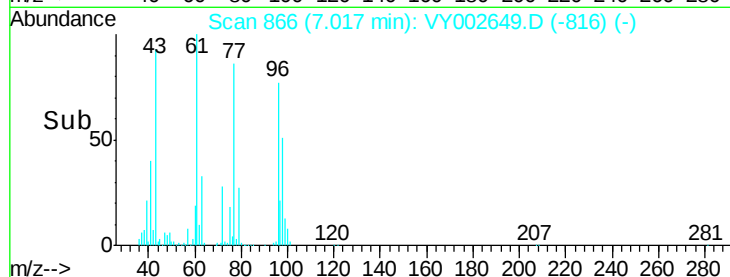
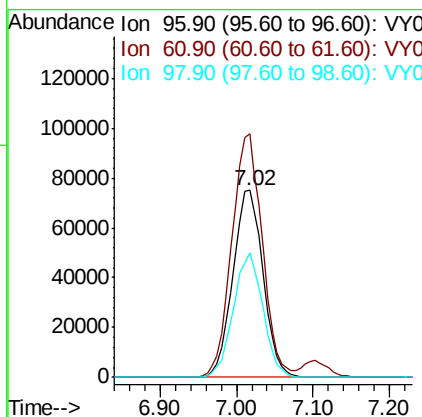
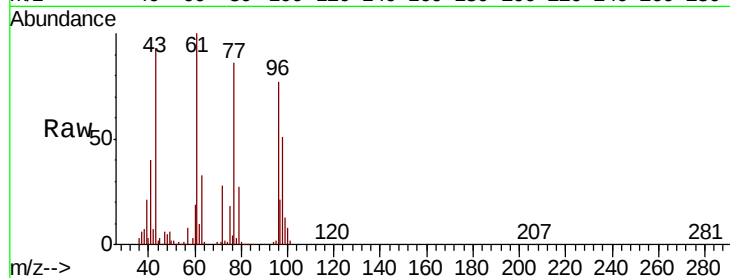
cis-1,2-Dichloroethene
Concen: 52.273 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.0	0.0	266.6	
98	64.9	0.0	129.2	

Manual Integrations
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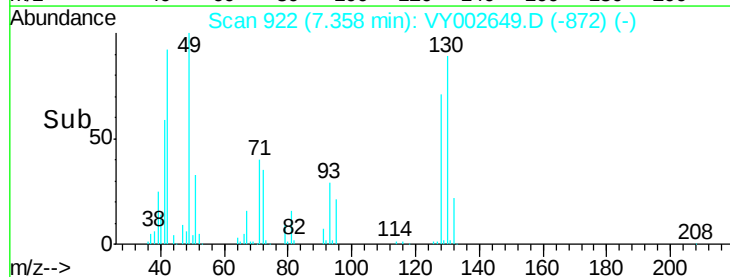
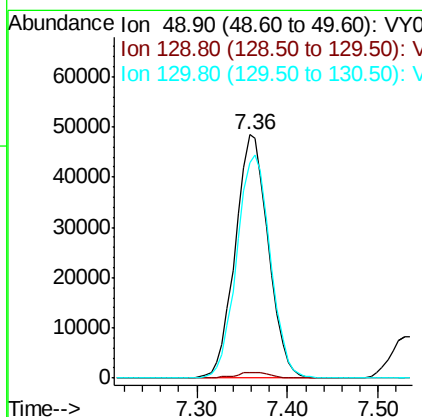
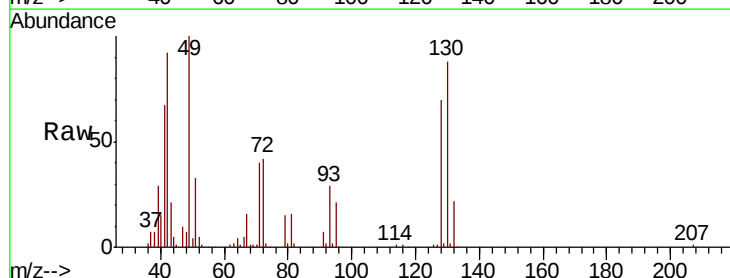
MMDadoda
5/11/2020 1:00:58 PM

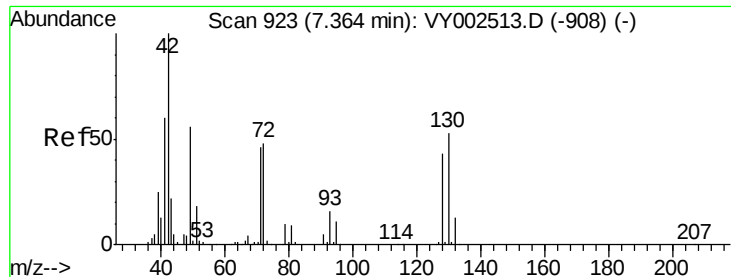


#28

Bromochloromethane
Concen: 52.620 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.8	
130	92.8	72.5	108.7	





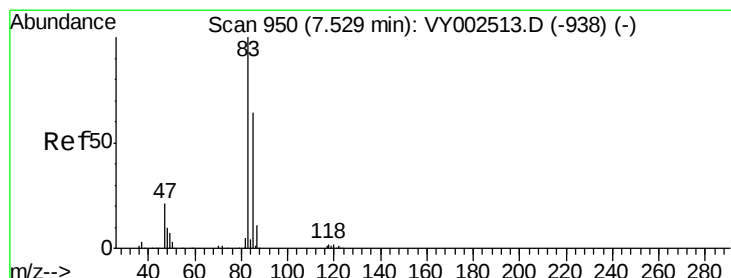
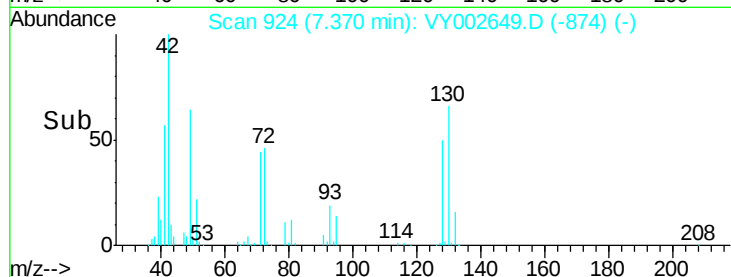
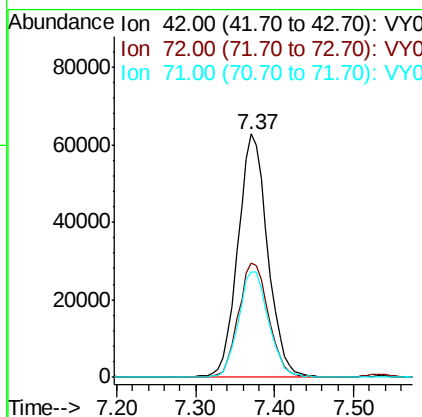
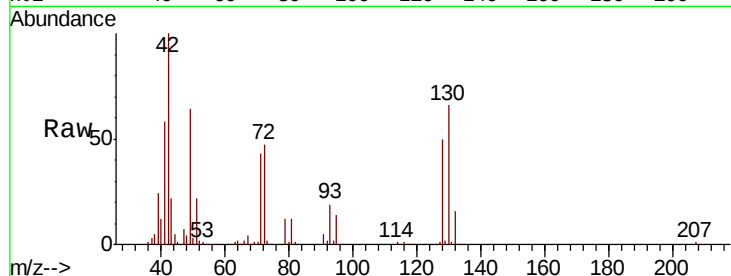
#29
Tetrahydrofuran
Concen: 231.741 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.4	56.2
71	44.2	35.0	52.4

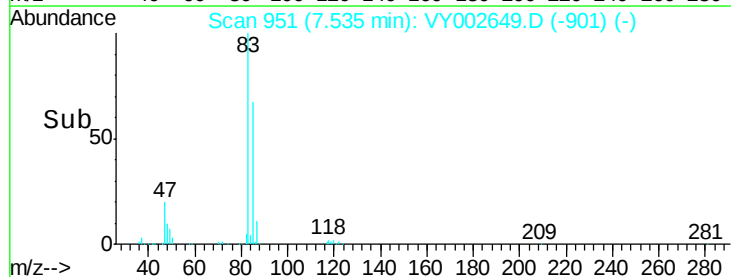
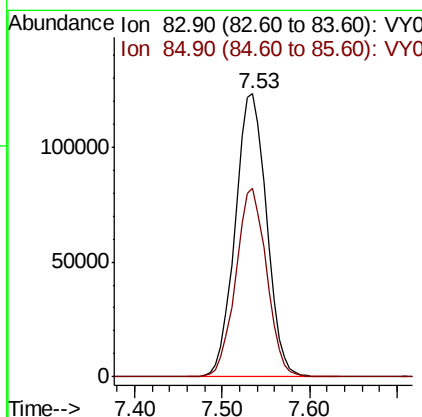
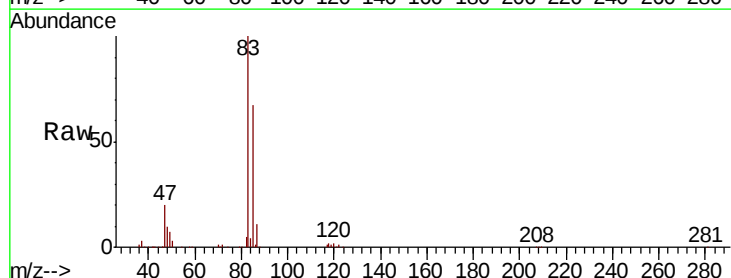
Manual Integrations
APPROVED

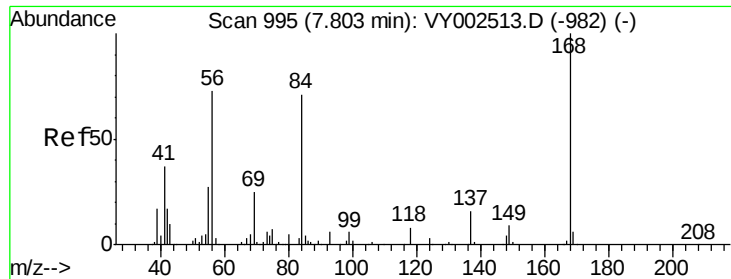
MMDadoda
5/11/2020 1:00:58 PM



#30
Chloroform
Concen: 52.124 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.5	77.3





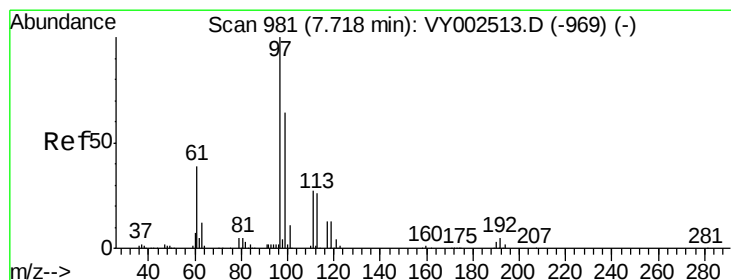
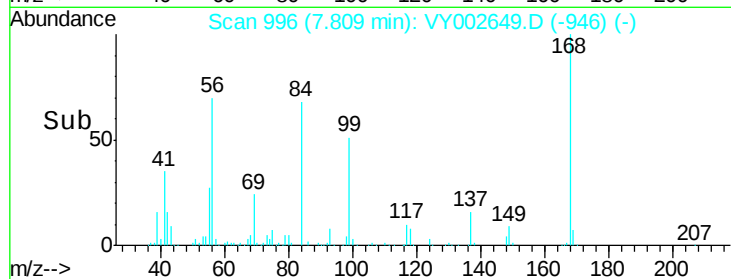
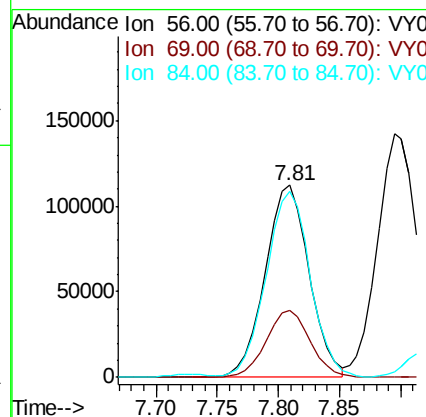
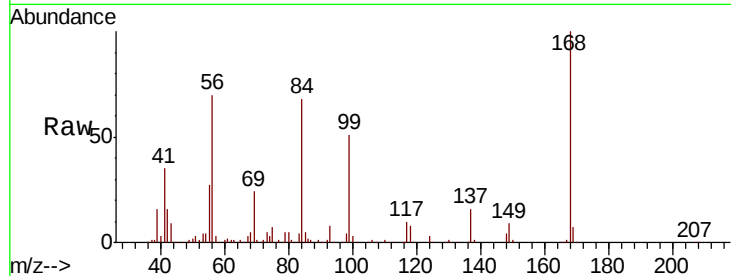
#31
Cyclohexane
Concen: 49.165 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.6	41.4
84	95.5	77.7	116.5

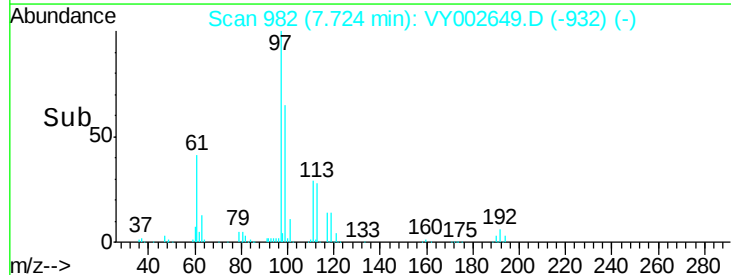
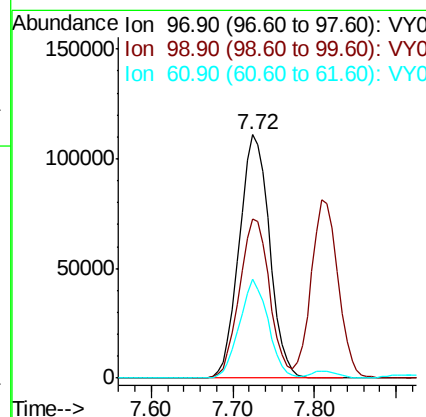
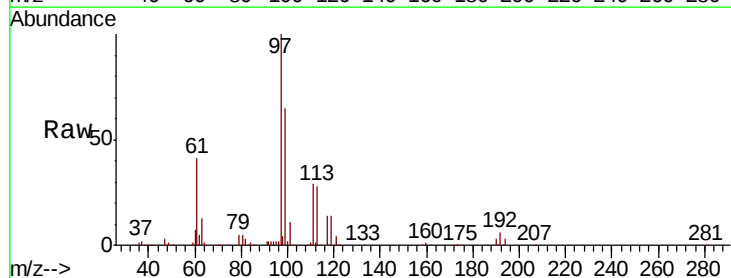
Manual Integrations
APPROVED

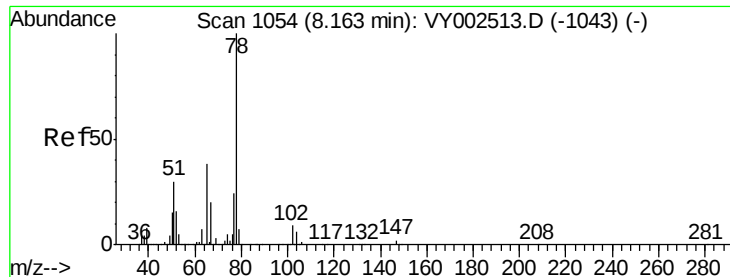
MMDadoda
5/11/2020 1:00:58 PM



#32
1,1,1-Trichloroethane
Concen: 52.100 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.9	77.9
61	38.3	31.0	46.6





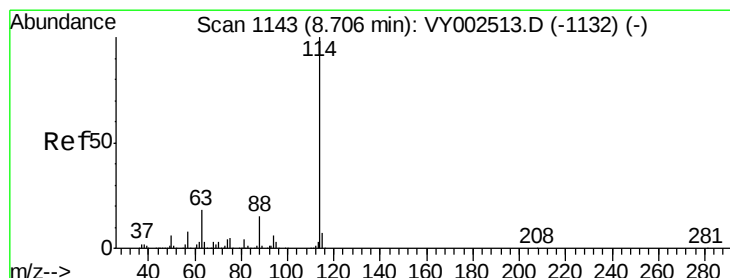
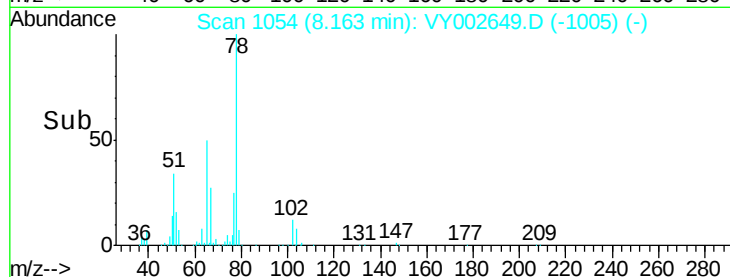
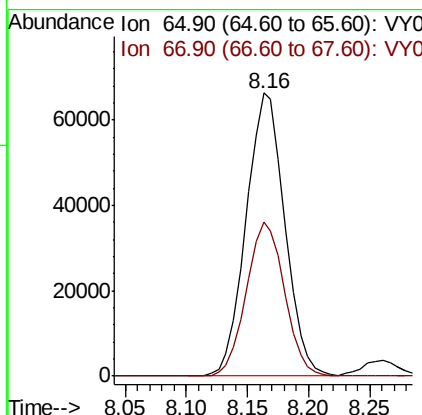
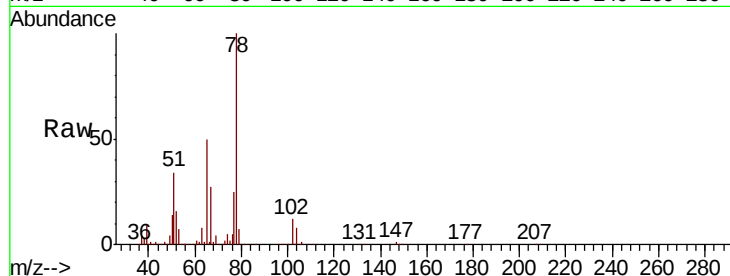
#33
 1,2-Dichloroethane-d4
 Concen: 45.936 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	107.2	

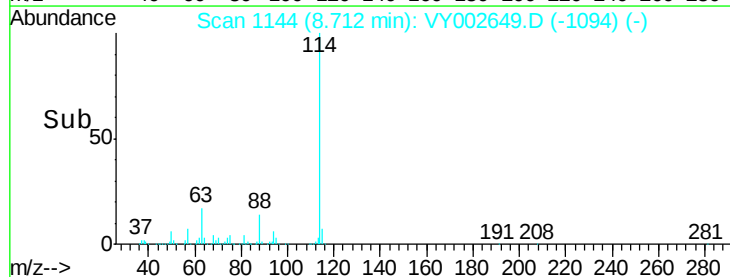
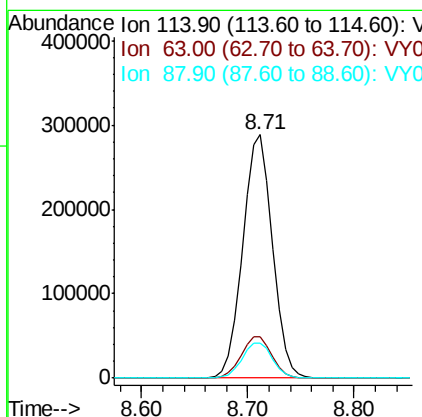
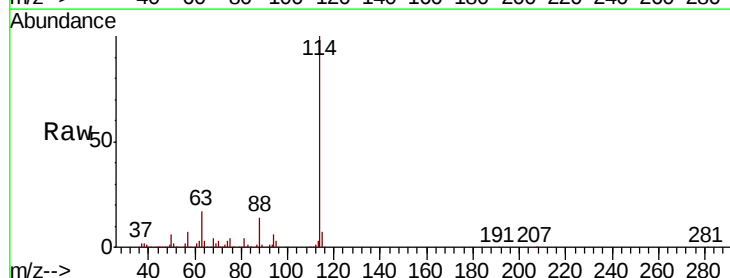
Manual Integrations
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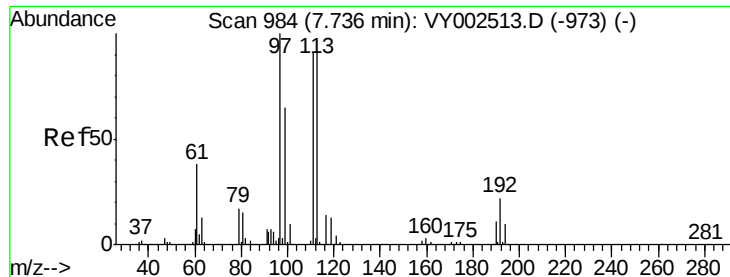
MMDadoda
 5/11/2020 1:00:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.1	0.0	36.4	
88	14.4	0.0	29.6	





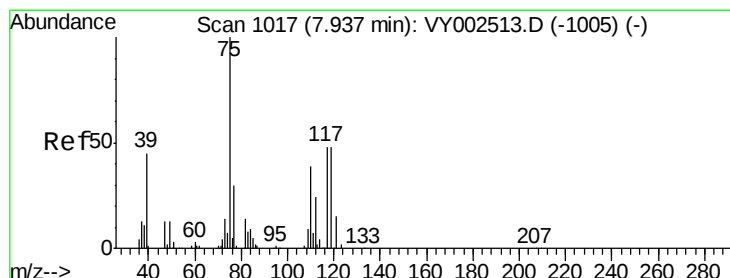
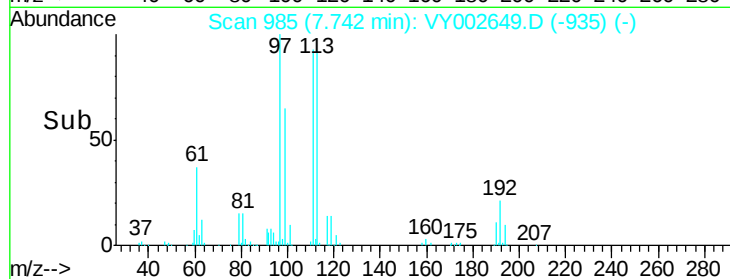
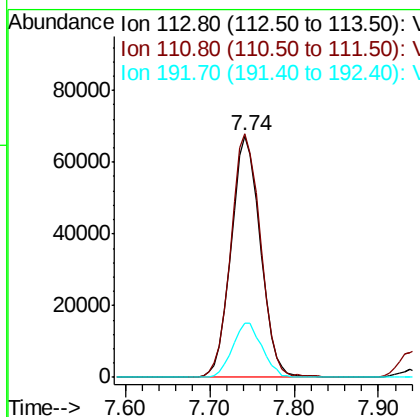
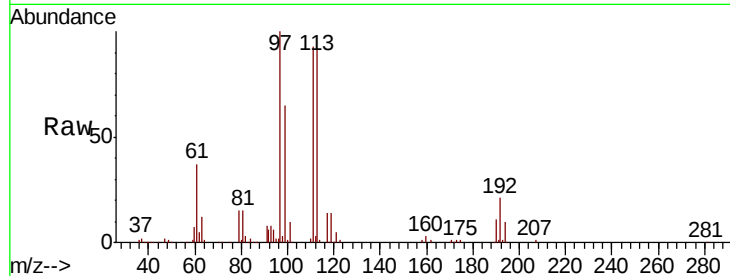
#35
 Dibromofluoromethane
 Concen: 48.779 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	22.8	18.2	27.4

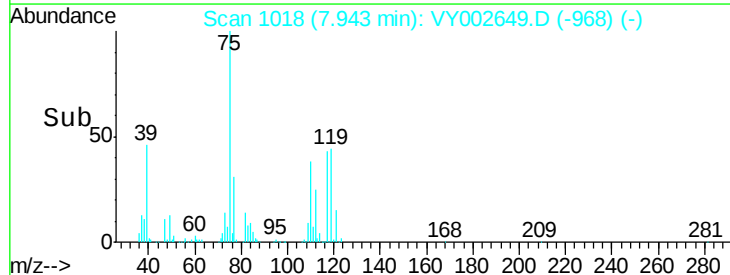
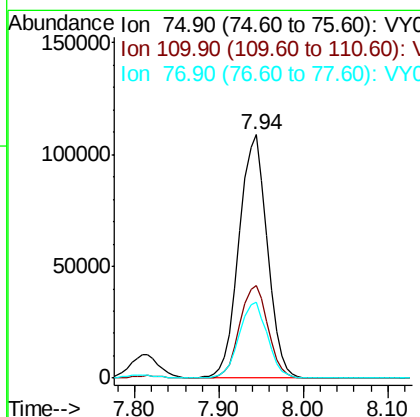
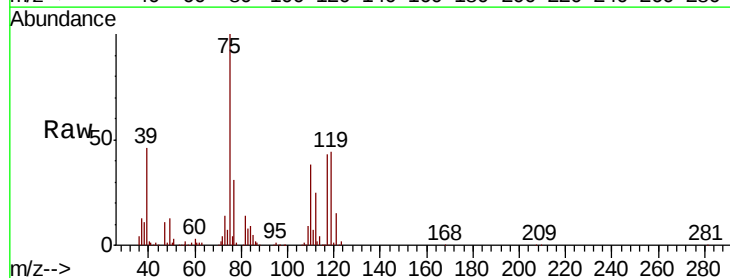
Manual Integrations
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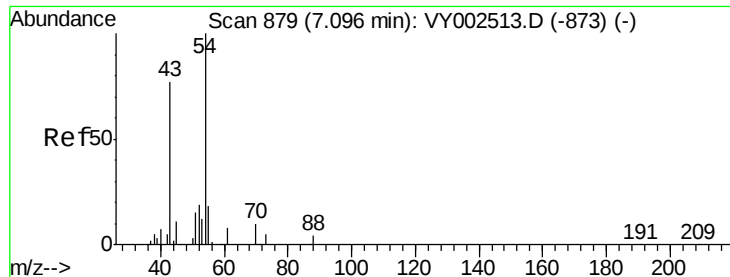
MMDadoda
 5/11/2020 1:00:58 PM



#36
 1,1-Dichloropropene
 Concen: 52.126 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.1	57.3
77	31.5	24.6	37.0





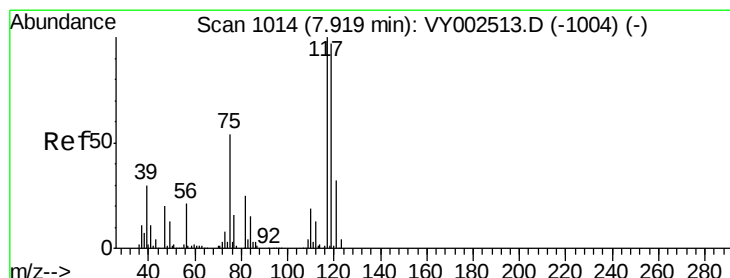
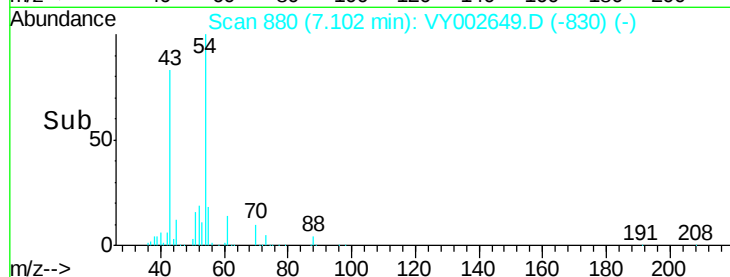
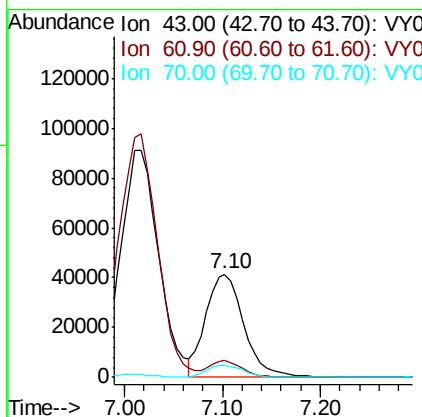
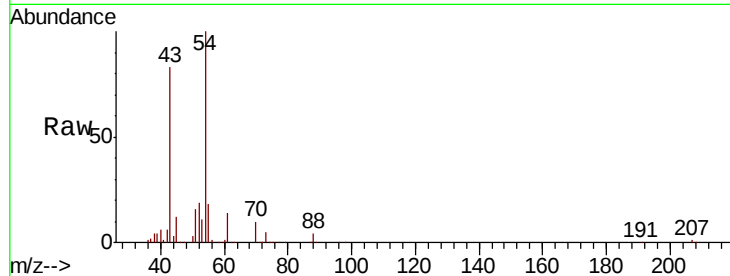
#37
Ethyl Acetate
Concen: 45.948 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.6	17.4
70	11.5	9.0	13.6

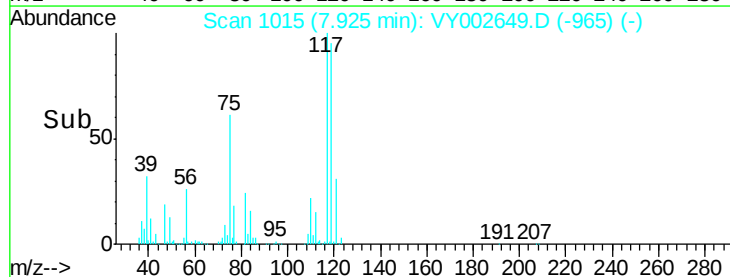
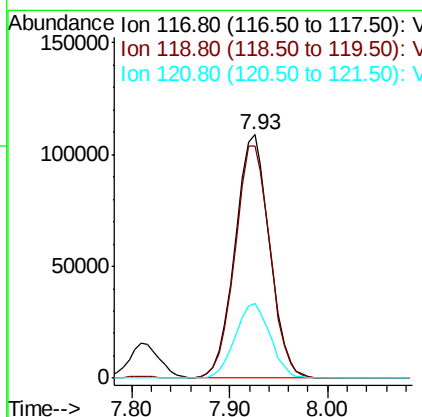
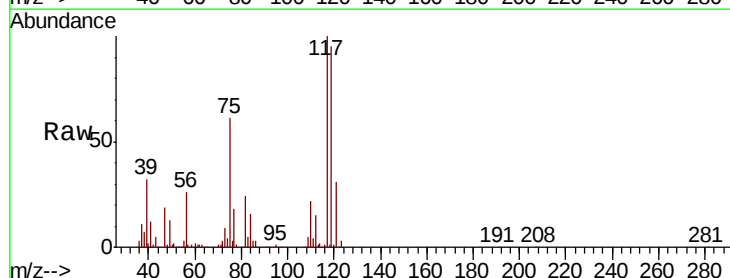
Manual Integrations
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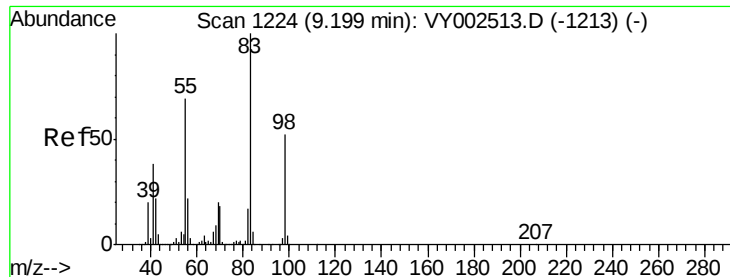
MMDadoda
5/11/2020 1:00:58 PM



#38
Carbon Tetrachloride
Concen: 51.569 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.1	115.7
121	30.6	25.2	37.8





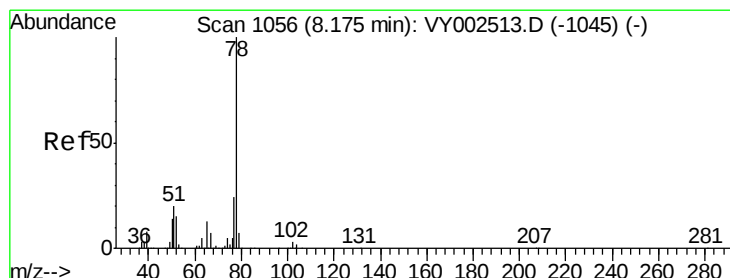
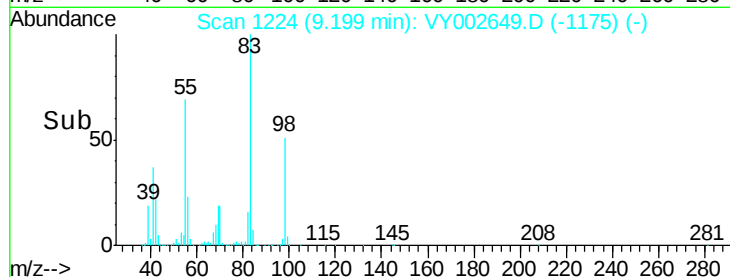
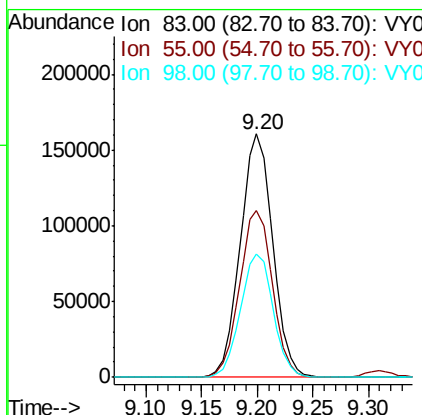
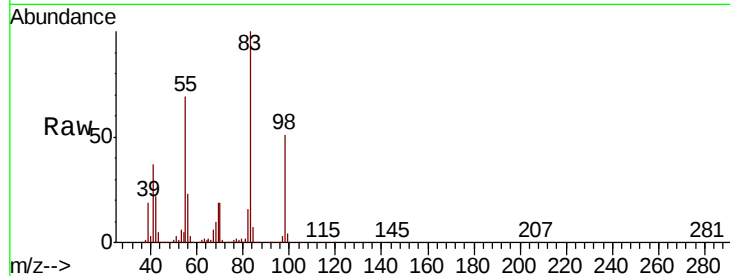
#39
Methvlcvclohexane
Concen: 52.095 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	55.4	83.0
98	50.8	41.3	61.9

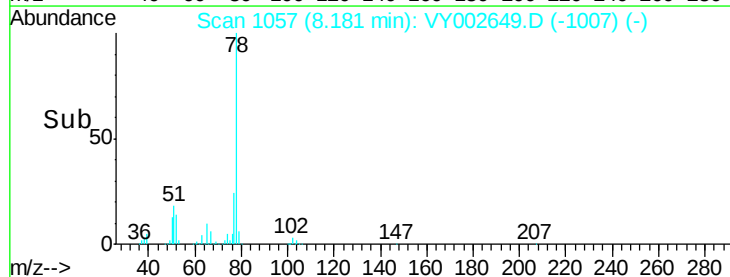
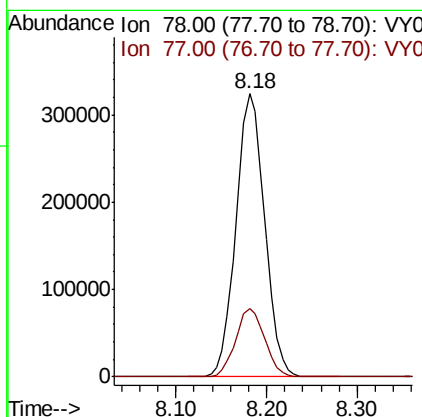
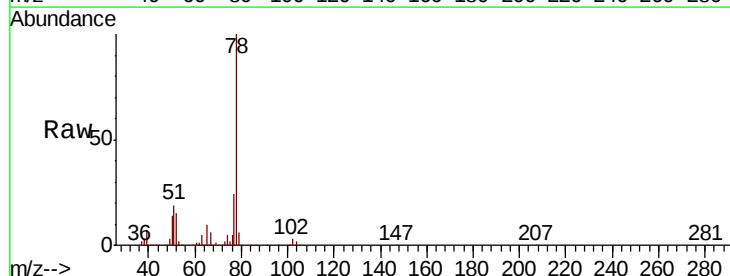
Manual Integrations
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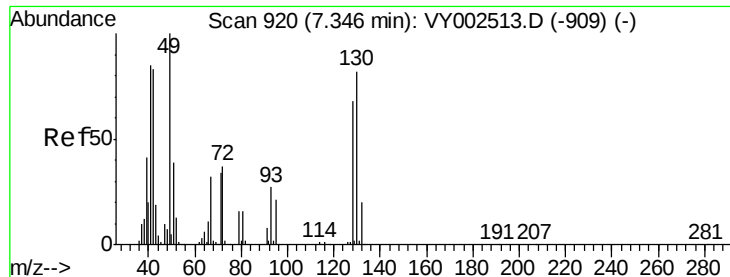
MMDadoda
5/11/2020 1:00:58 PM



#40
Benzene
Concen: 51.968 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





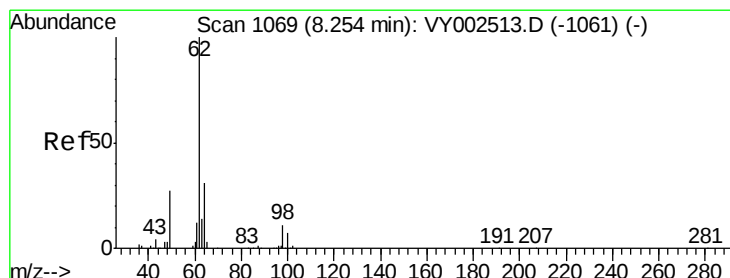
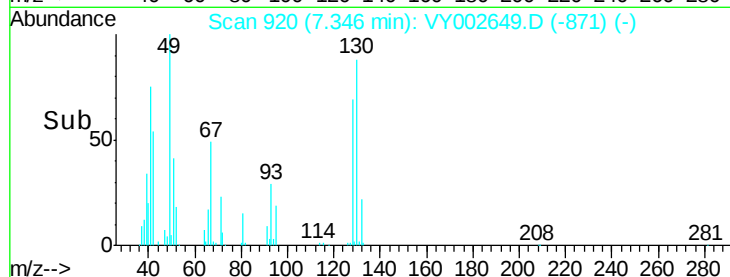
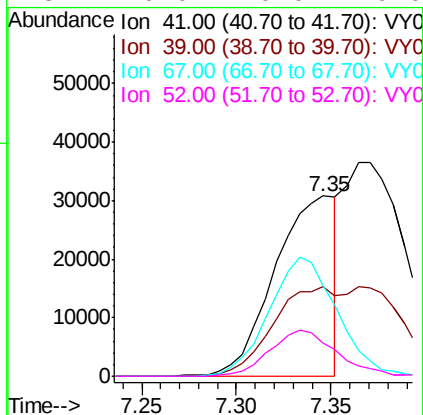
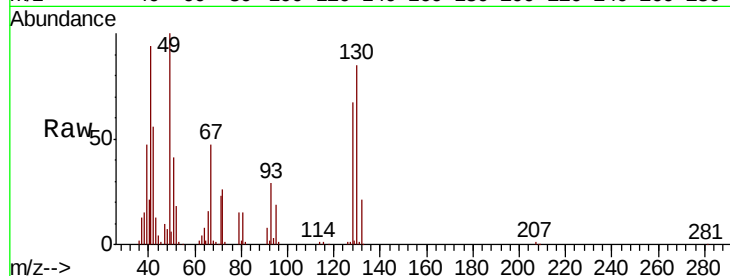
#41
Methacrylonitrile
Concen: 53.491 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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

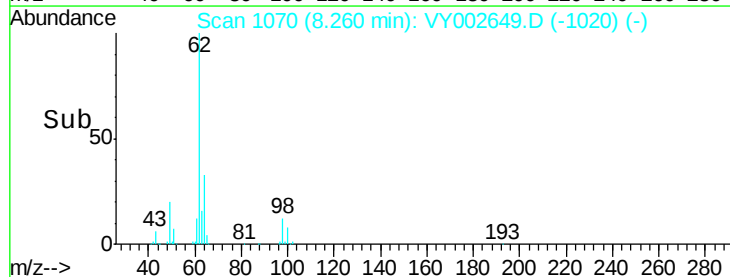
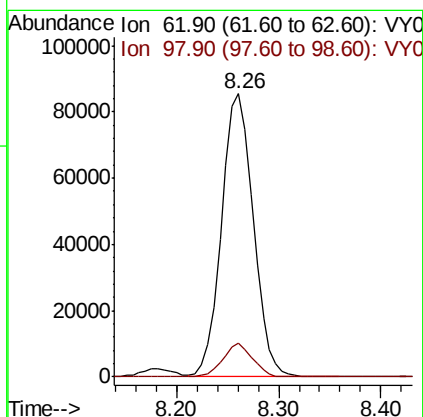
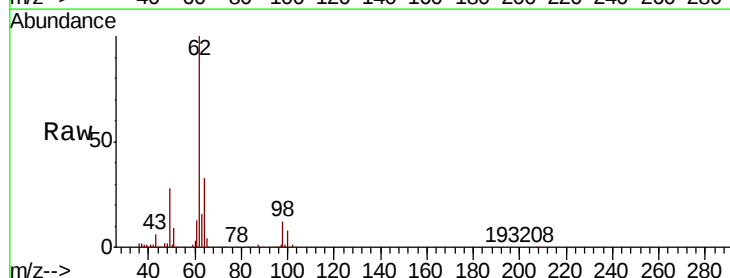
Manual Integrations
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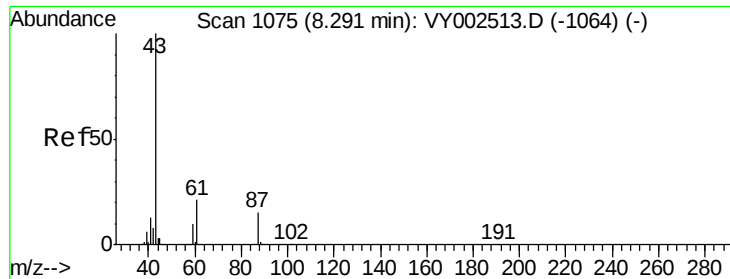
MMDadoda
5/11/2020 1:00:58 PM



#42
1,2-Dichloroethane
Concen: 48.082 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0





#43

Isopropyl Acetate

Concen: 48.187 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

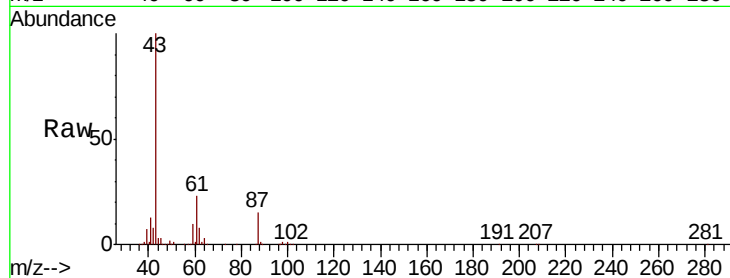
ClientSampleId :

VSTDCCC050EC

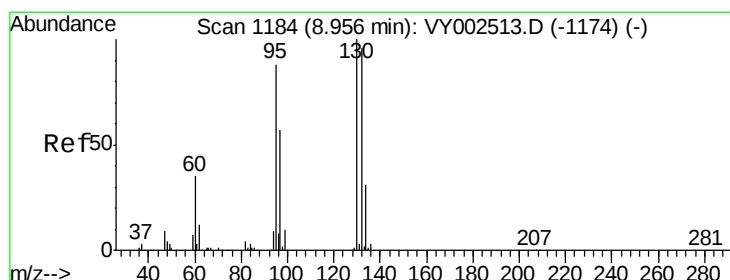
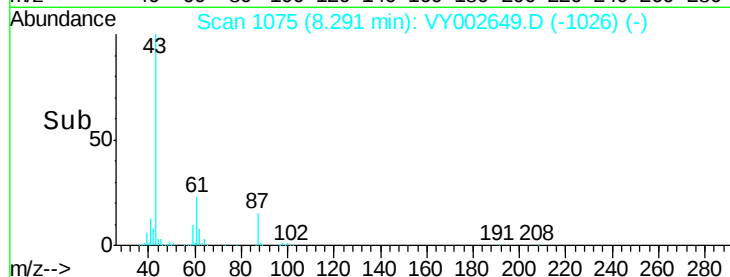
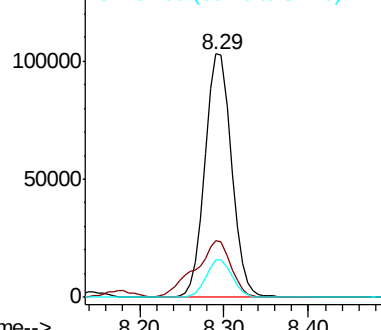
Tot Ion:	43	Resp:	219946
Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.8	37.2
87	15.3	12.2	18.2

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VY002649.D (-1026) (-)



#44

Trichloroethene

Concen: 53.427 ug/l

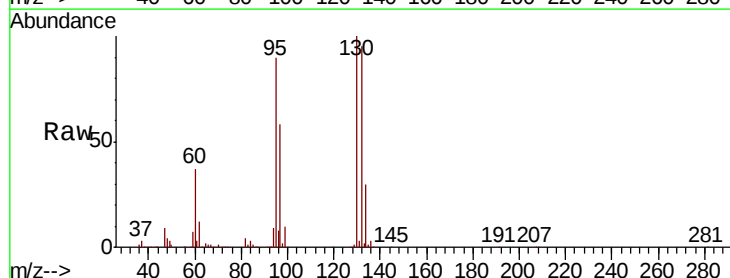
RT: 8.96 min Scan# 1184

Delta R.T. -0.00 min

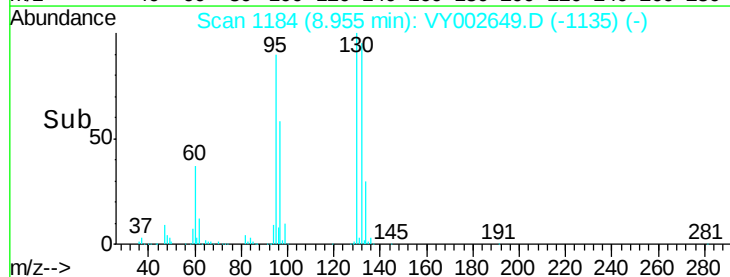
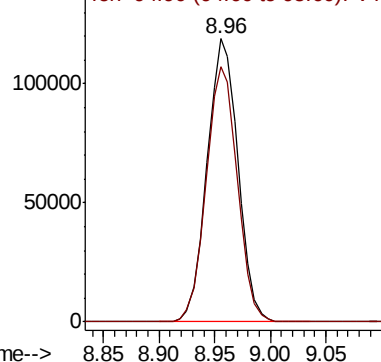
Lab File: VY002649.D

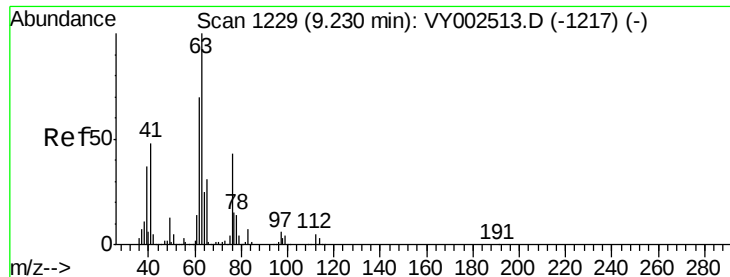
Acq: 08 May 2020 18:18

Tgt Ion:	130	Resp:	228480
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002649.D (-1135) (-)





#45

1,2-Dichloropropane

Concen: 51.813 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 171120

Ion Ratio Lower Upper

63 100

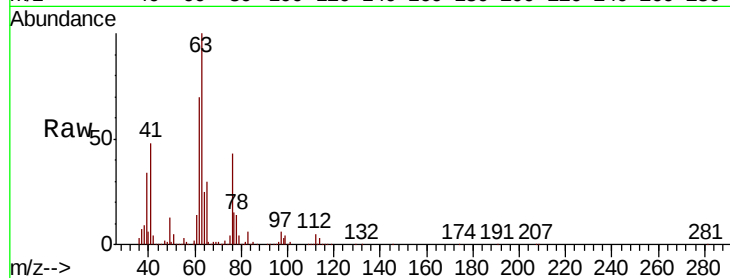
65 29.7 24.5 36.7

Manual Integrations

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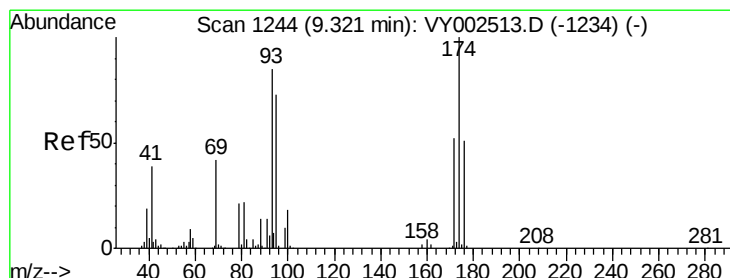
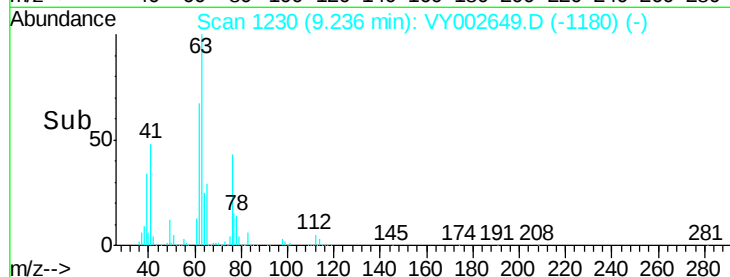
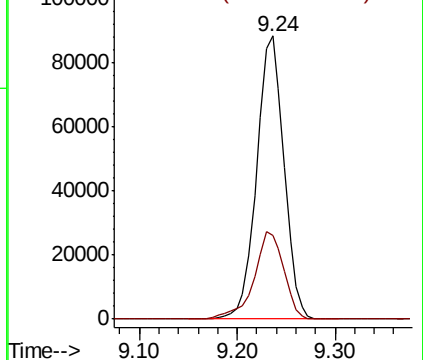
MMDadoda

5/11/2020 1:00:58 PM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 48.995 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

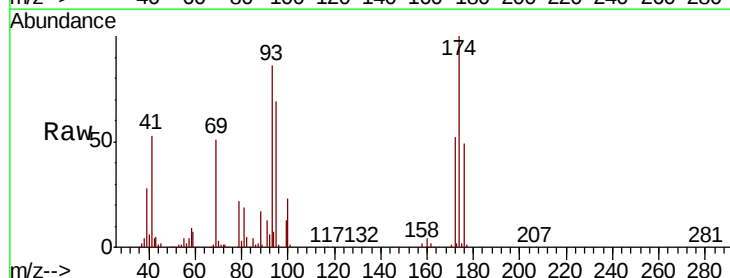
Tgt Ion: 93 Resp: 93099

Ion Ratio Lower Upper

93 100

95 83.1 67.0 100.4

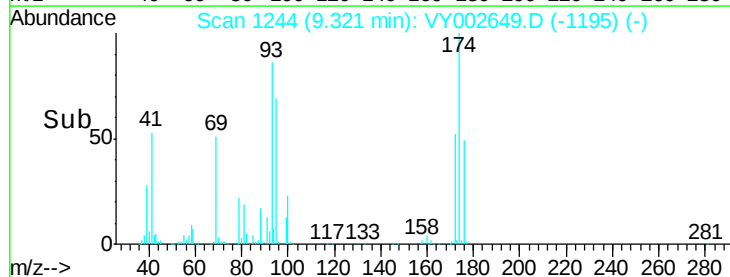
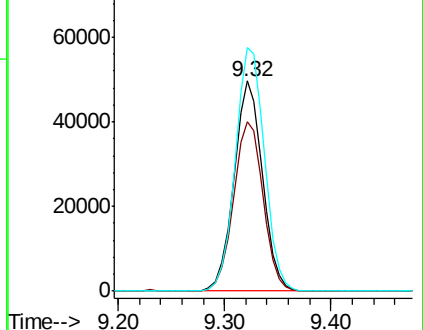
174 118.8 92.7 139.1

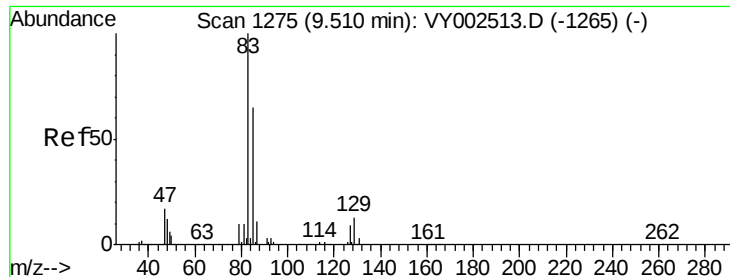


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 51.463 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

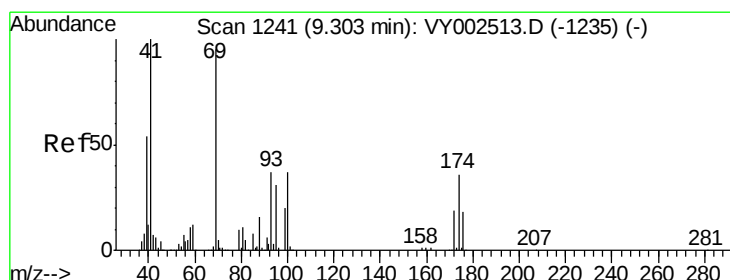
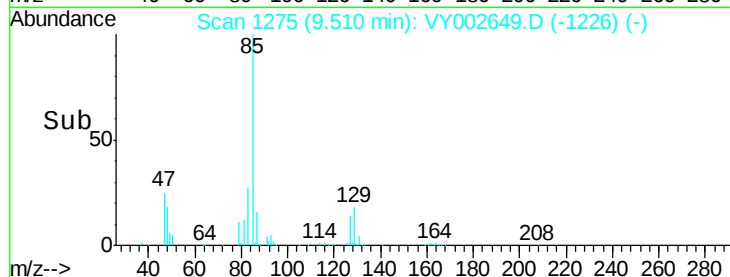
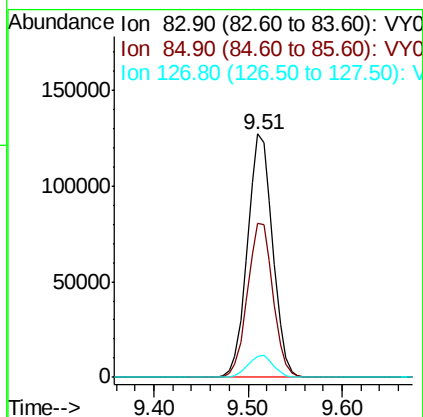
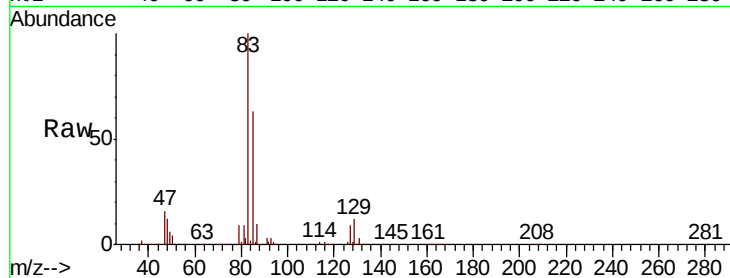
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	237778
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.8	77.8
127	8.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.221 ug/l

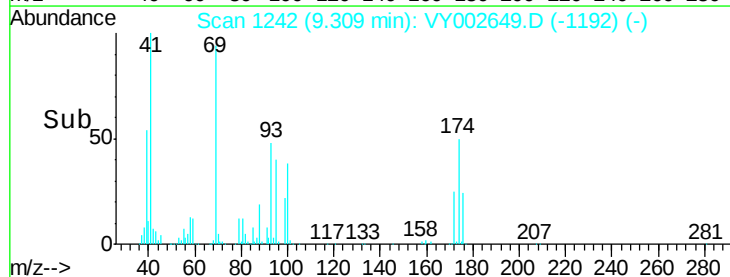
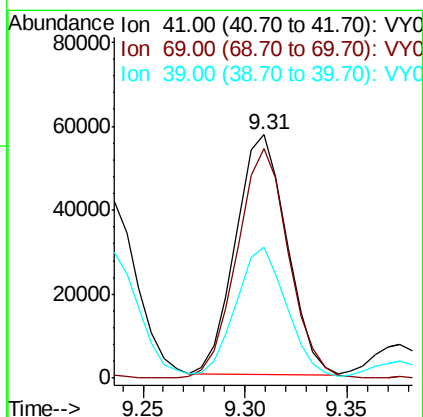
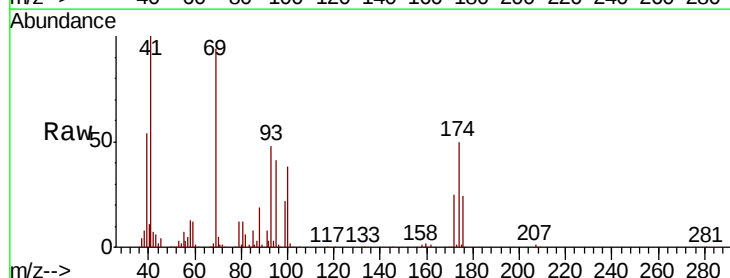
RT: 9.31 min Scan# 1242

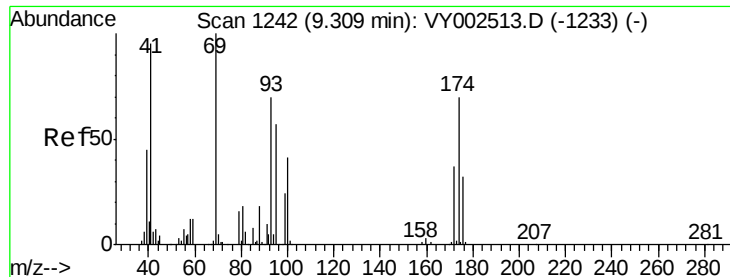
Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion:	41	Resp:	99611
Ion Ratio	Lower	Upper	
41	100		
69	96.2	76.2	114.4
39	52.4	42.7	64.1





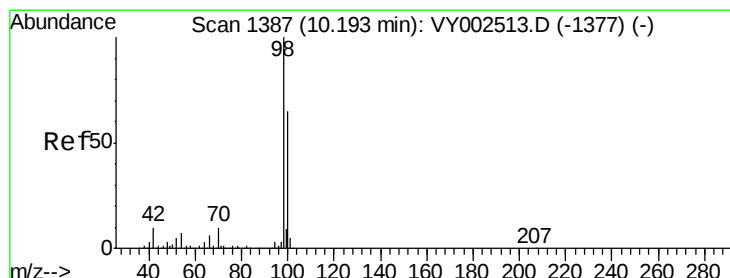
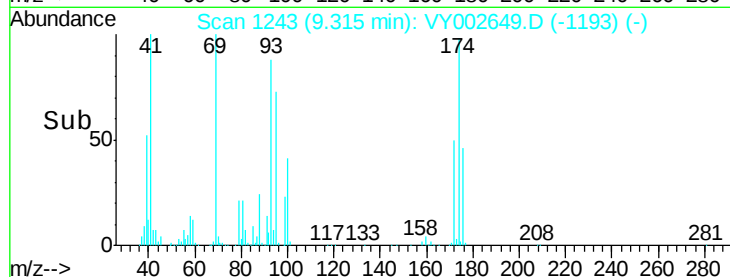
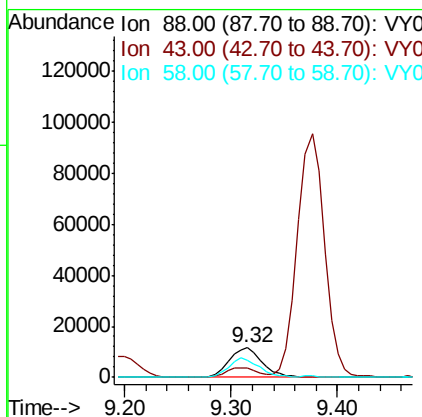
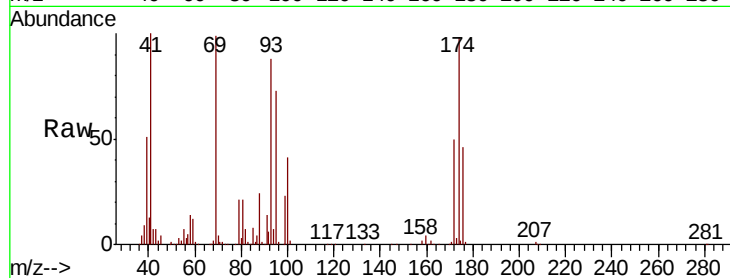
#49
1,4-Dioxane
Concen: 1005.081 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	25287
Ion	Ratio	Lower	Upper
88	100		
43	28.6	22.8	34.2
58	62.3	51.4	77.2

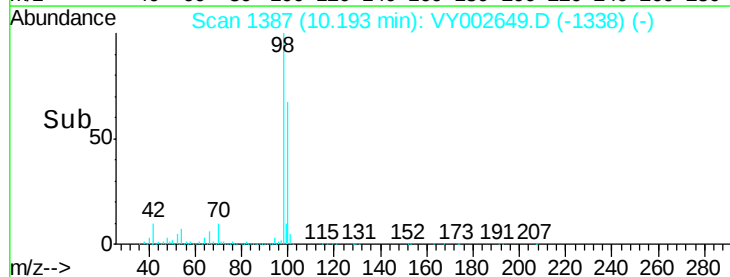
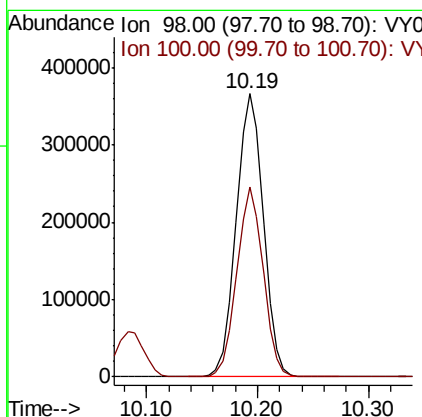
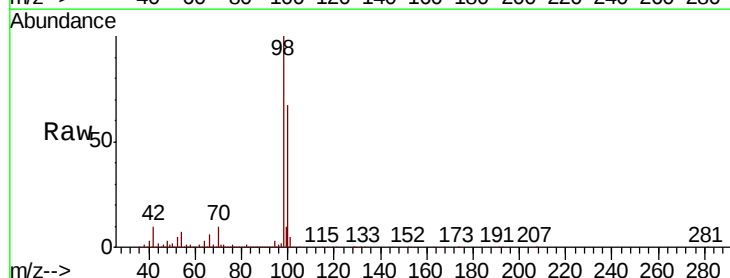
Manual Integrations
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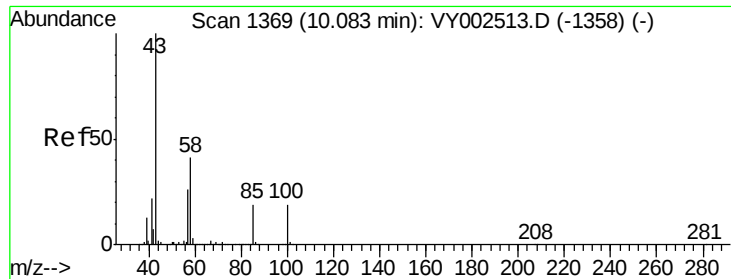
MMDadoda
5/11/2020 1:00:58 PM



#50
Toluene-d8
Concen: 48.831 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	98	Resp	616369
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 236.267 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 555856

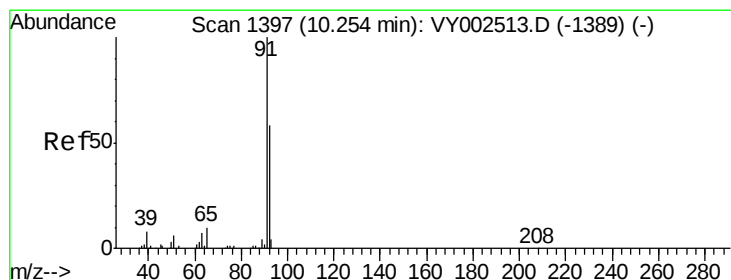
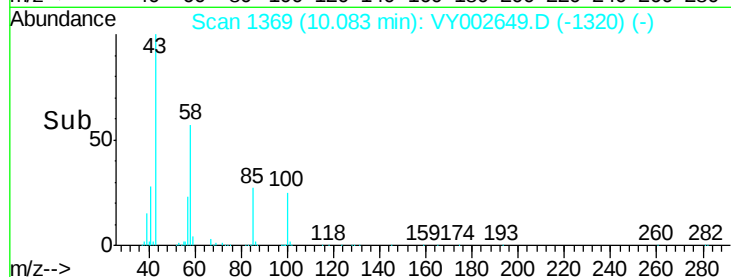
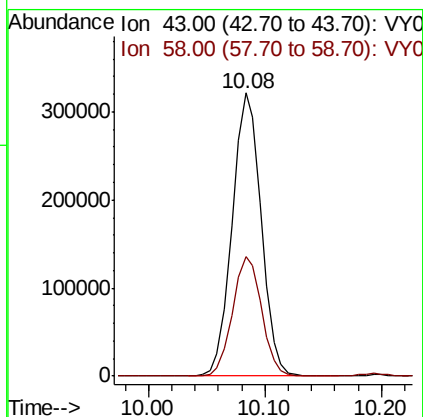
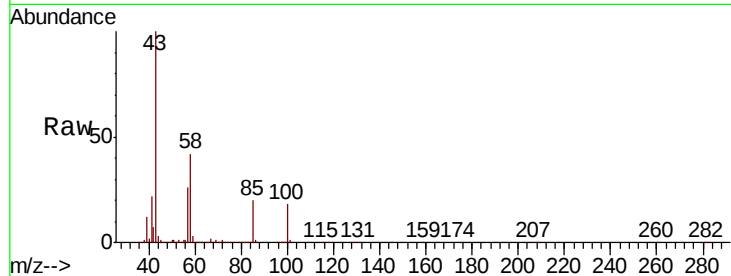
Ion Ratio Lower Upper

43 100

58 42.5 33.2 49.8

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#52

Toluene

Concen: 52.349 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY002649.D

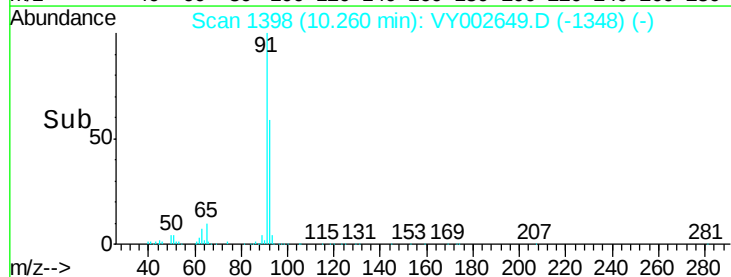
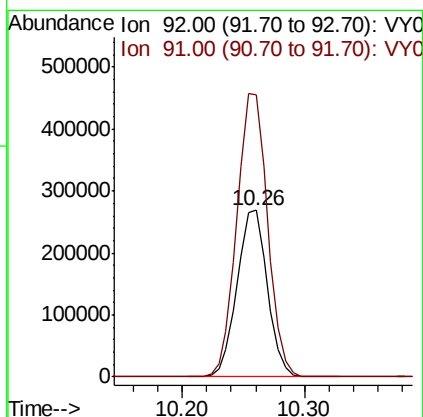
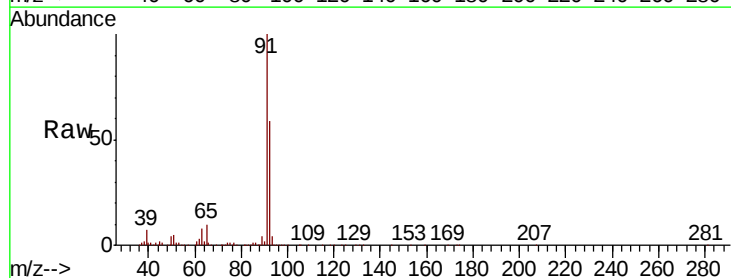
Acq: 08 May 2020 18:18

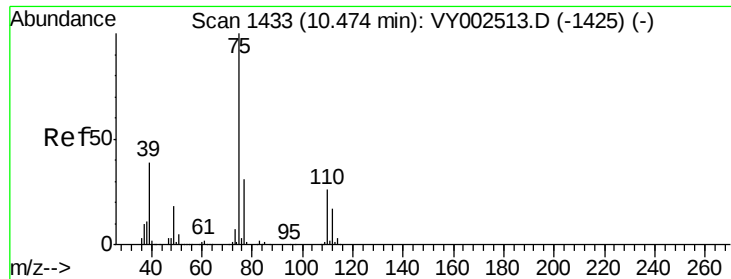
Tgt Ion: 92 Resp: 460383

Ion Ratio Lower Upper

92 100

91 173.0 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 50.578 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 244849

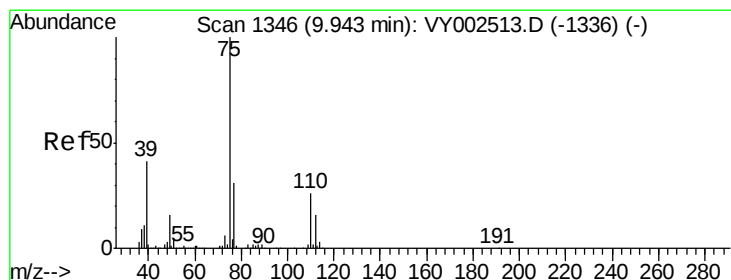
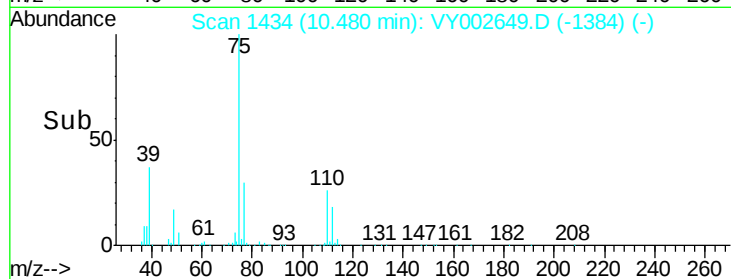
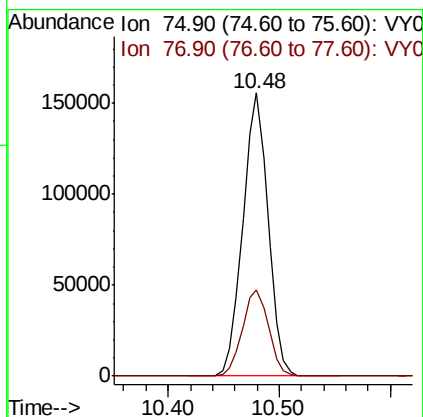
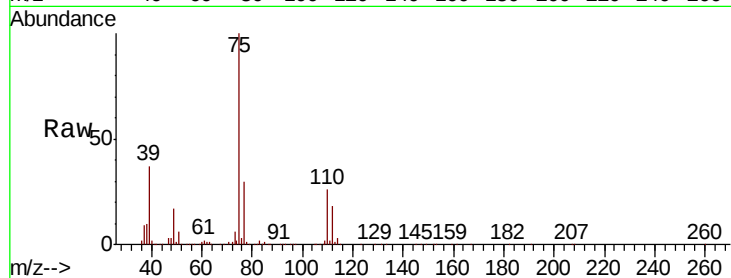
Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 51.314 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

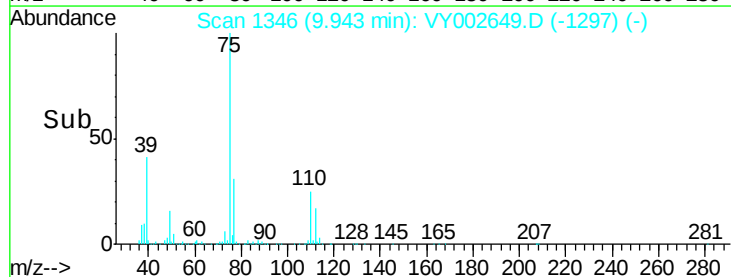
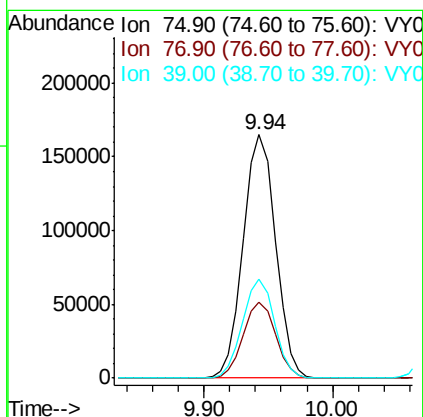
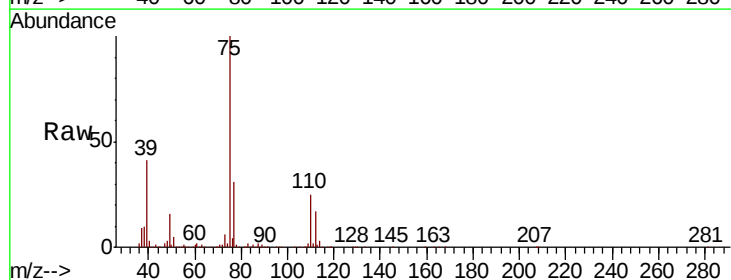
Tgt Ion: 75 Resp: 287177

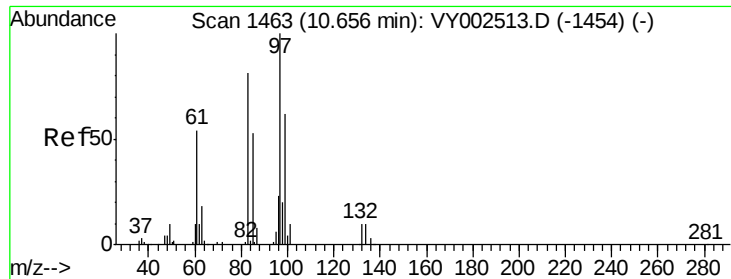
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 40.8 32.7 49.1





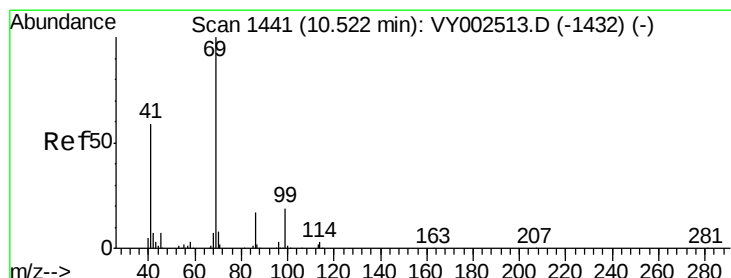
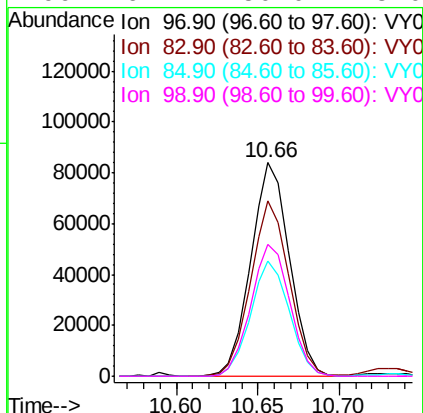
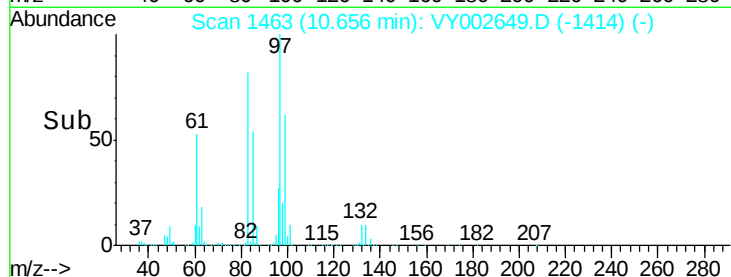
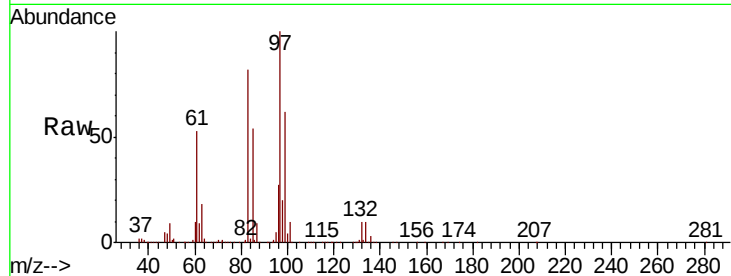
#55
 1,1,2-Trichloroethane
 Concen: 50.129 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	138907
Ion	Ratio	Lower	Upper
97	100		
83	82.0	65.1	97.7
85	53.6	42.7	64.1
99	61.7	50.0	75.0

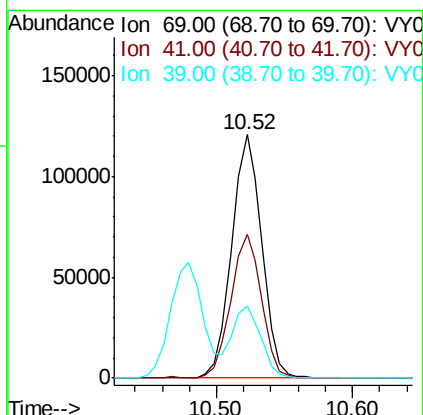
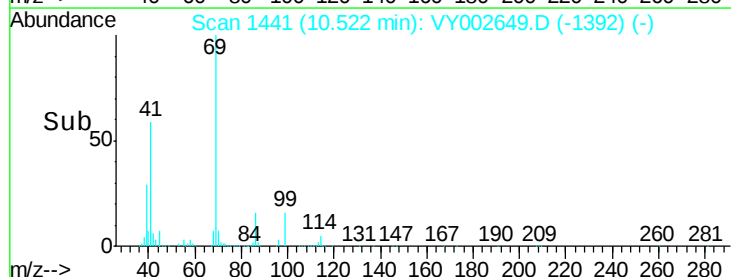
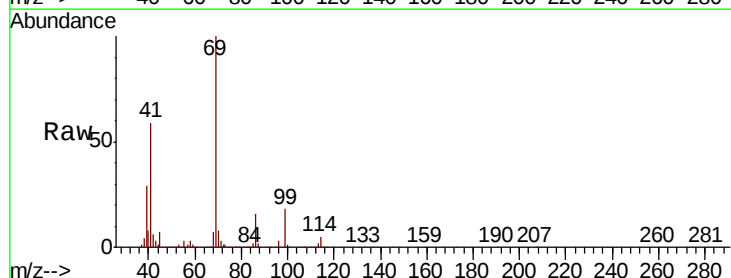
Manual Integrations
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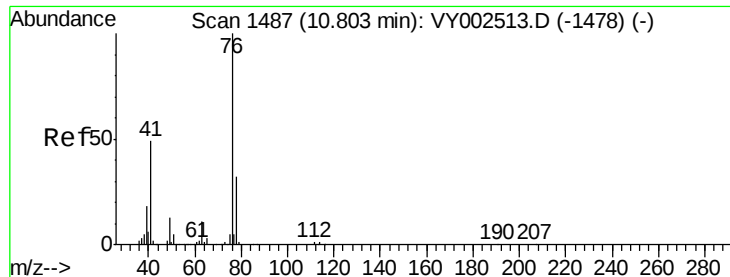
MMDadoda
 5/11/2020 1:00:58 PM



#56
 Ethyl methacrylate
 Concen: 50.228 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion:	69	Resp:	185155
Ion	Ratio	Lower	Upper
69	100		
41	59.7	48.6	73.0
39	27.7	25.0	37.4





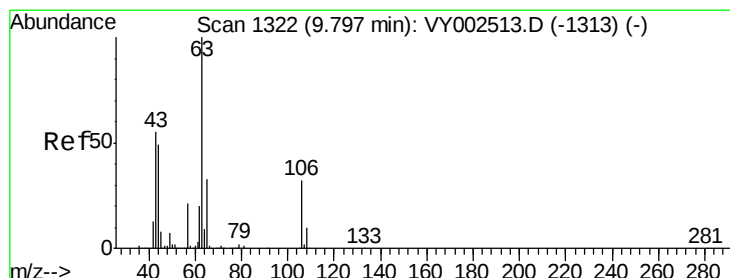
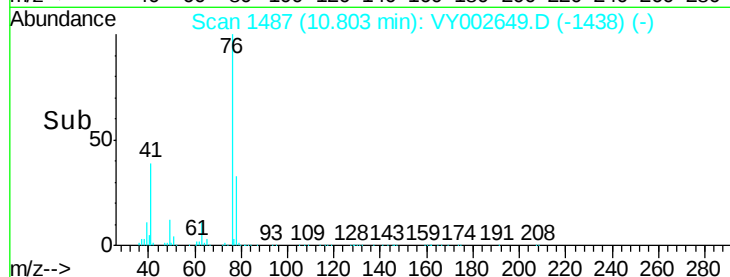
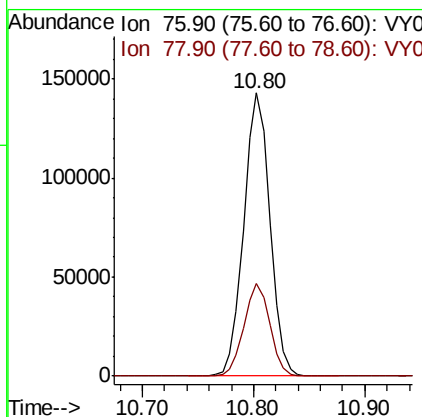
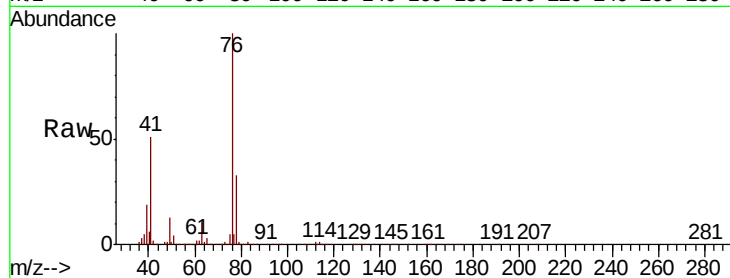
#57
 1,3-Dichloropropane
 Concen: 49.513 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.4	38.2

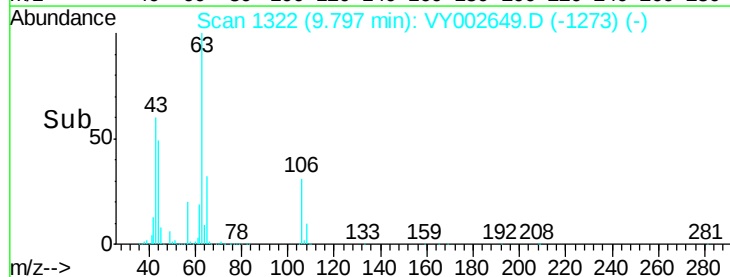
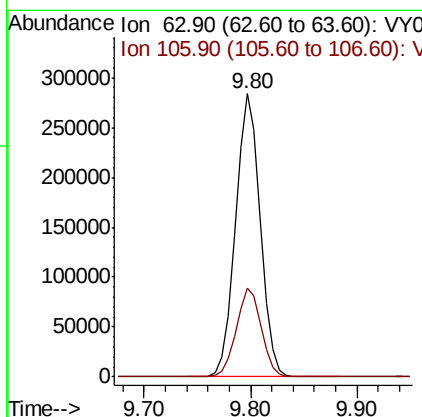
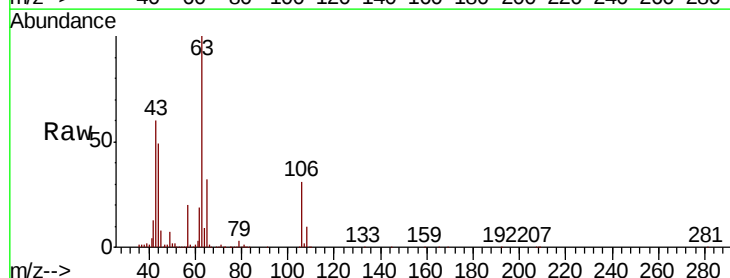
Manual Integrations
 APPROVED

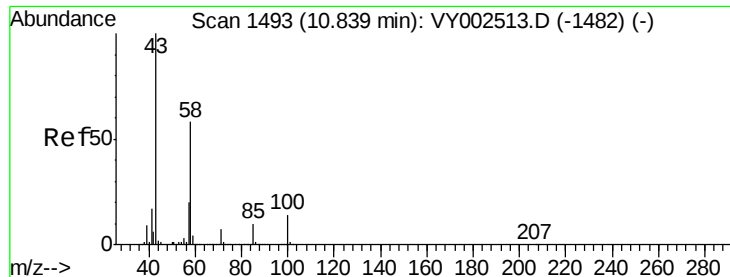
MMDadoda
 5/11/2020 1:00:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.406 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.7	25.2	37.8





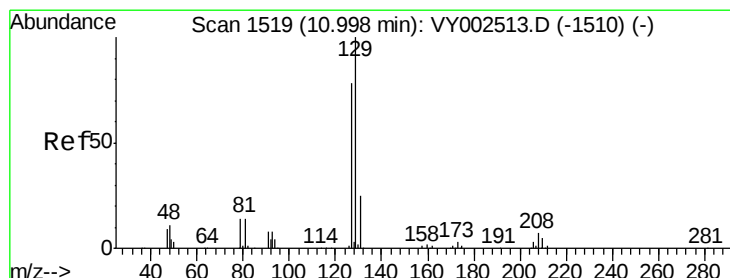
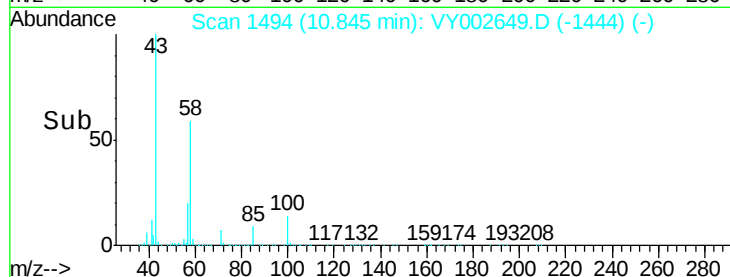
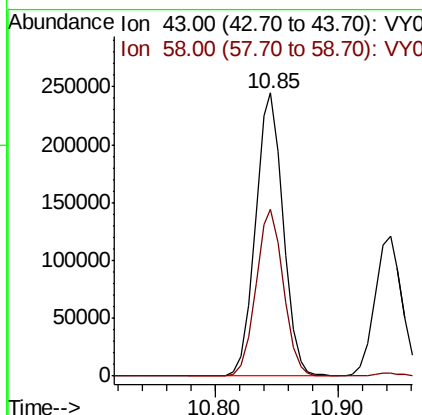
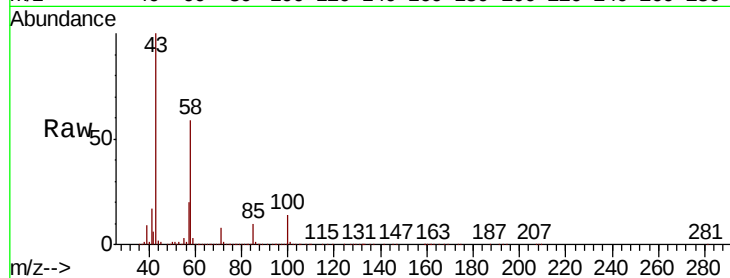
#59
2-Hexanone
Concen: 237.737 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 384959
Ion Ratio Lower Upper
43 100
58 58.8 29.1 87.3

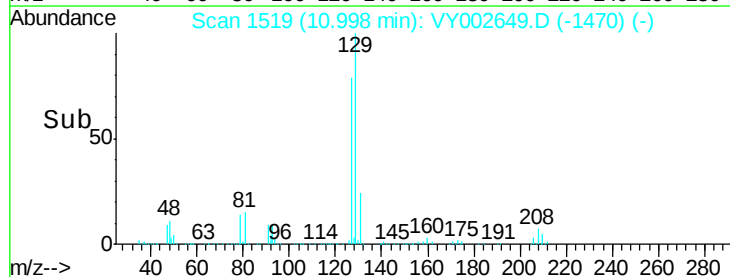
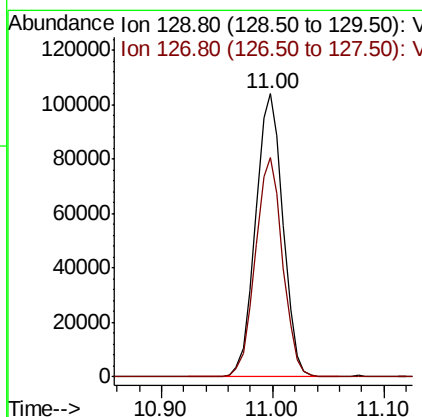
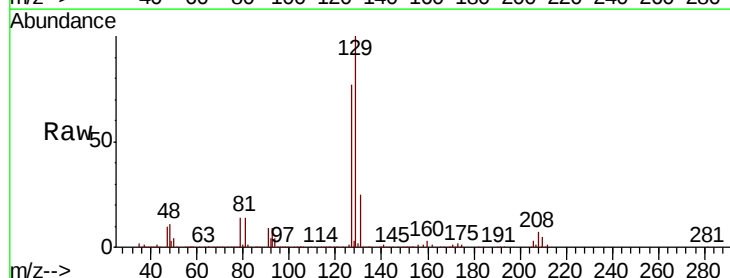
Manual Integrations
APPROVED

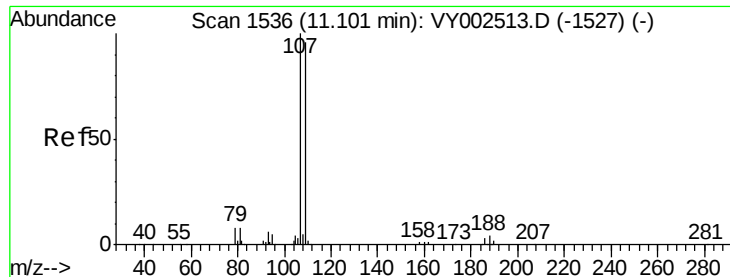
MMDadoda
5/11/2020 1:00:58 PM



#60
Dibromochloromethane
Concen: 50.423 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion: 129 Resp: 177709
Ion Ratio Lower Upper
129 100
127 77.4 39.0 117.0





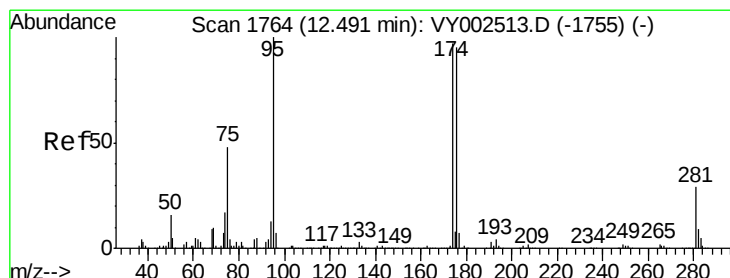
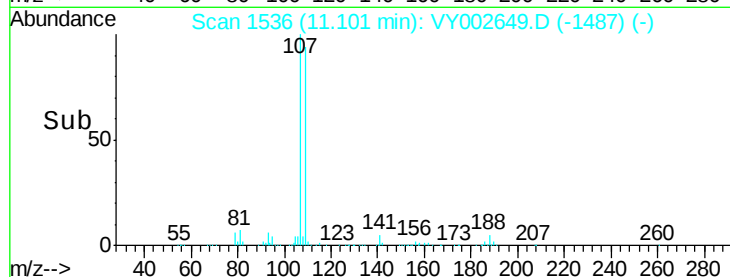
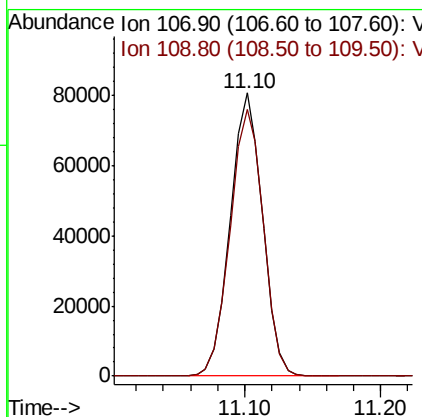
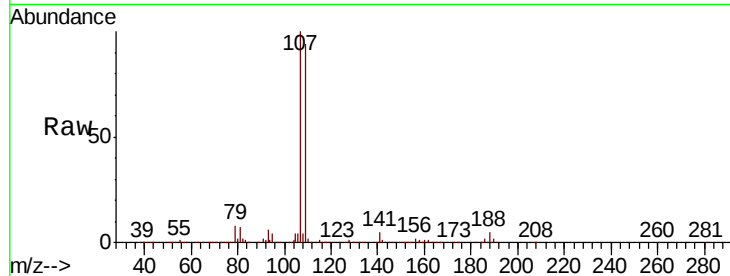
#61
 1,2-Dibromoethane
 Concen: 48.547 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.8	113.8

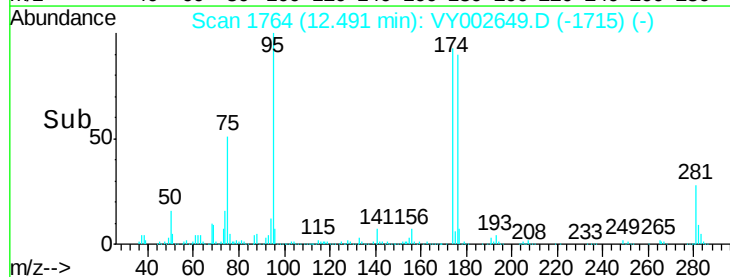
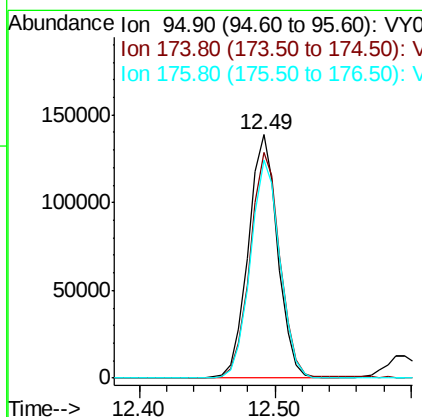
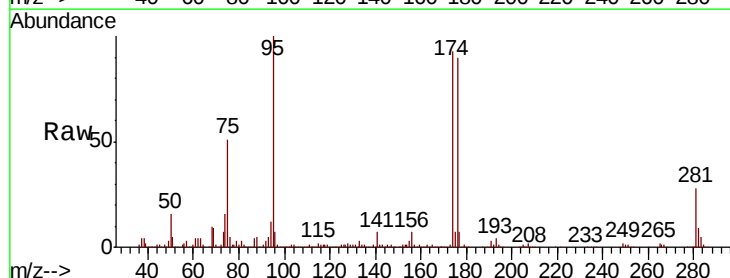
Manual Integrations
 APPROVED

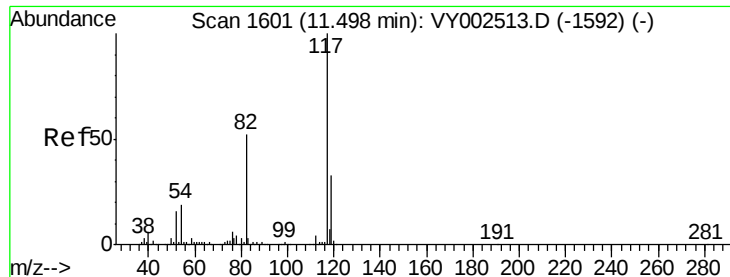
MMDadoda
 5/11/2020 1:00:58 PM



#62
 4-Bromofluorobenzene
 Concen: 48.813 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	188.8
176	90.5	0.0	183.2





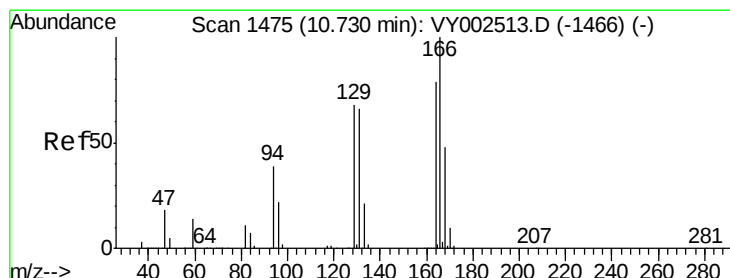
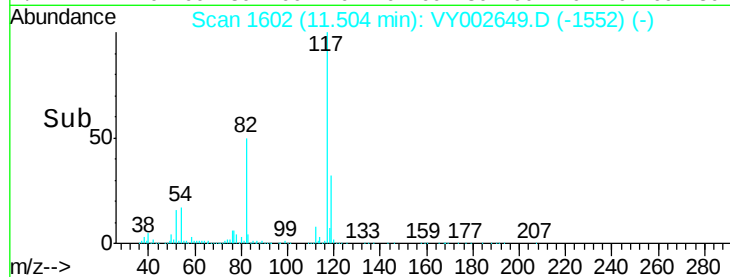
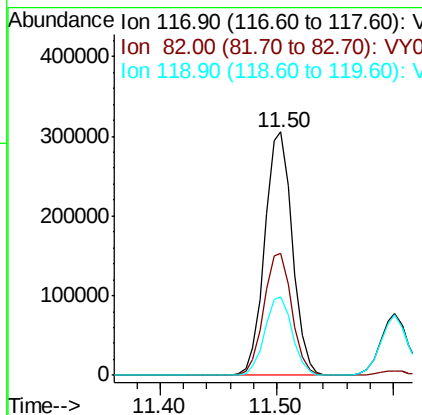
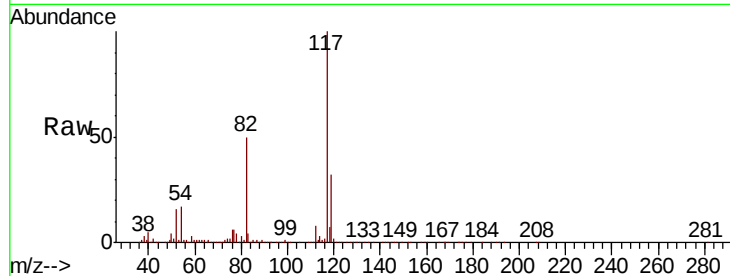
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.3	61.9
119	32.4	26.0	39.0

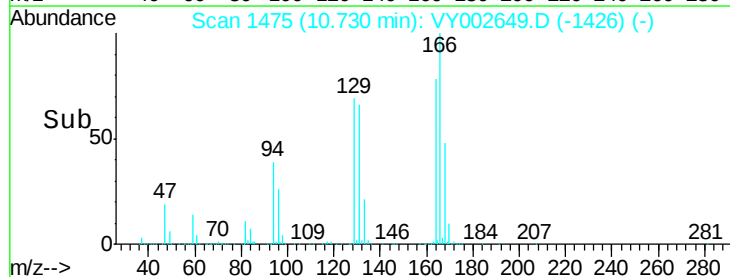
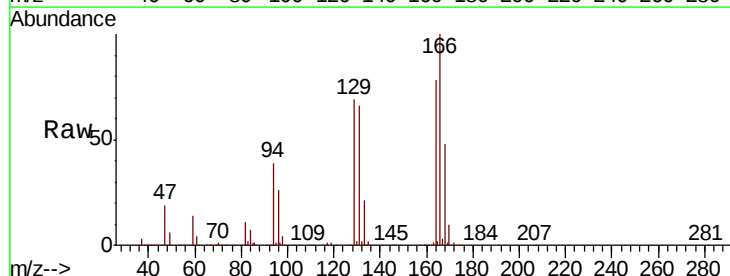
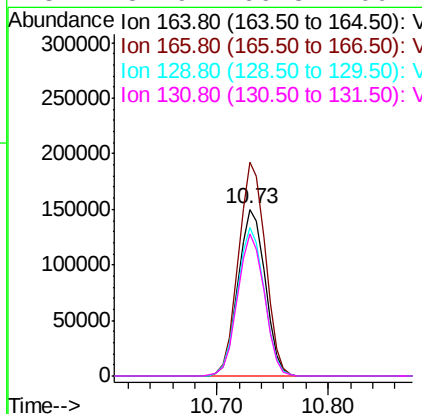
Manual Integrations
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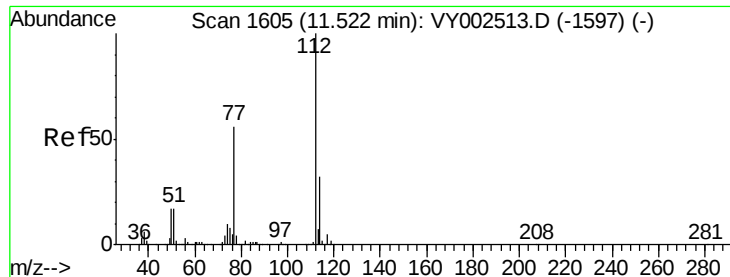
MMDadoda
5/11/2020 1:00:58 PM



#64
Tetrachloroethene
Concen: 56.488 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.7	151.1
129	88.7	68.3	102.5
131	84.9	66.8	100.2





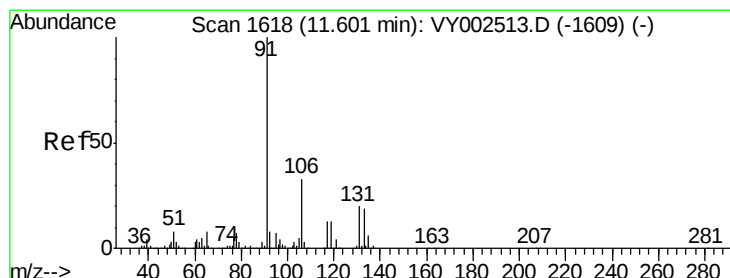
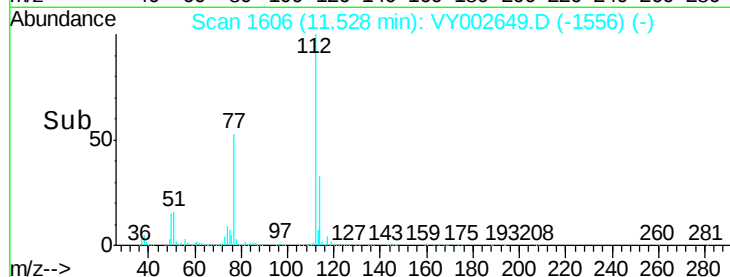
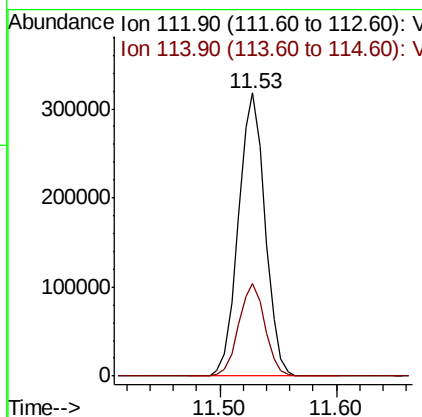
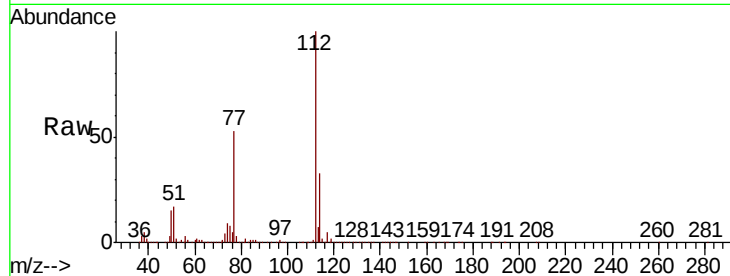
#65
Chlorobenzene
Concen: 52.950 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

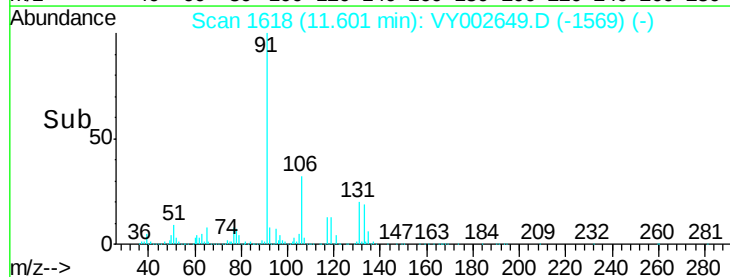
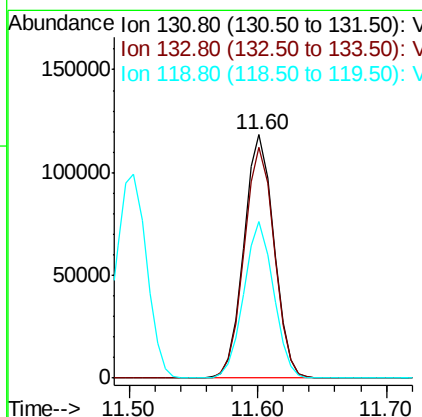
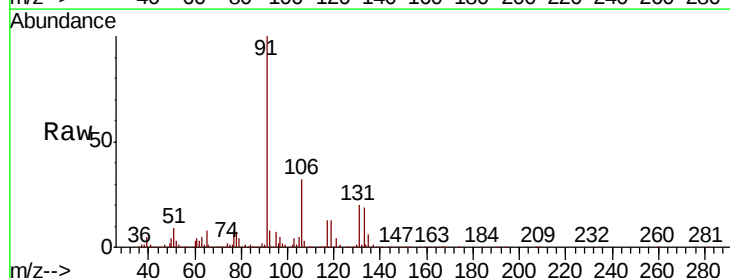
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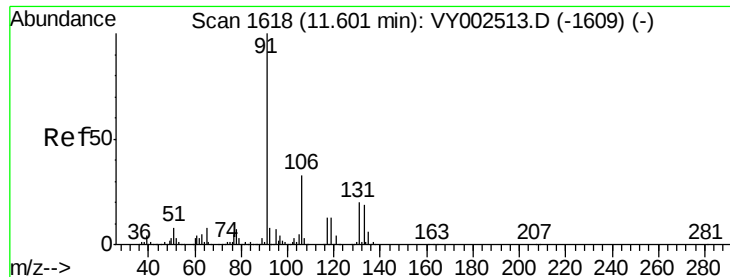
MMDadoda
5/11/2020 1:00:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.469 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.1	144.4
119	63.4	31.6	95.0





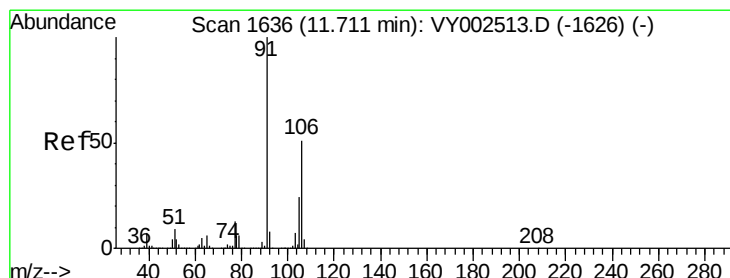
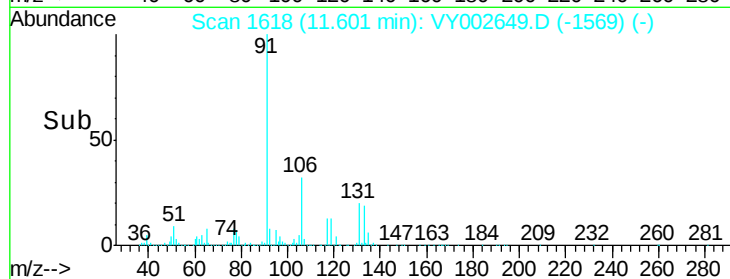
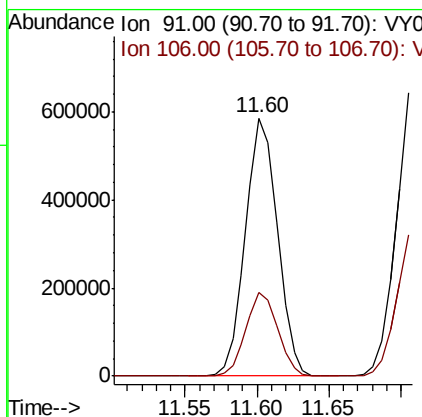
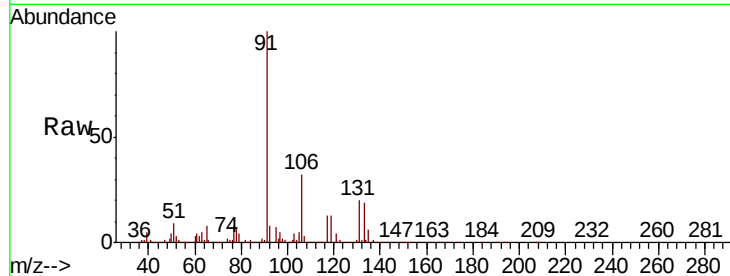
#67
Ethyl Benzene
Concen: 53.627 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.5	26.1	39.1

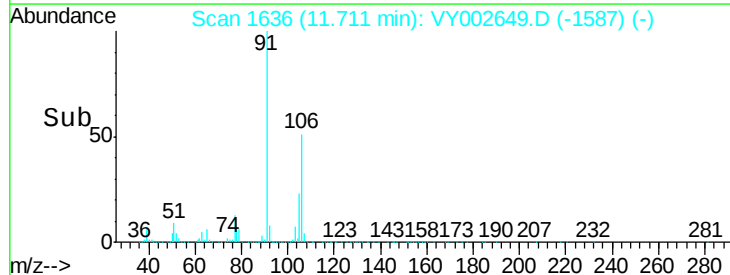
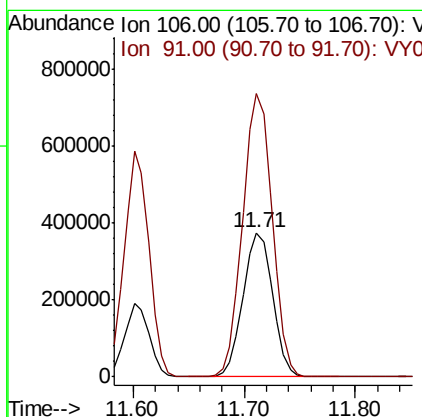
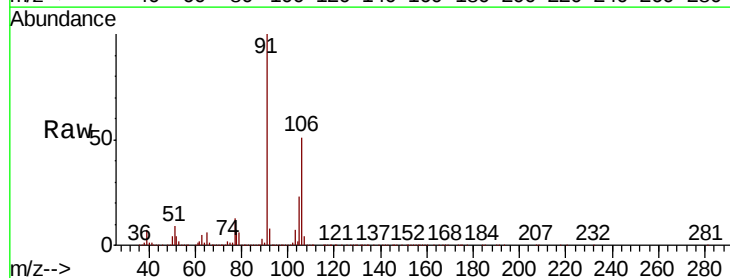
Manual Integrations
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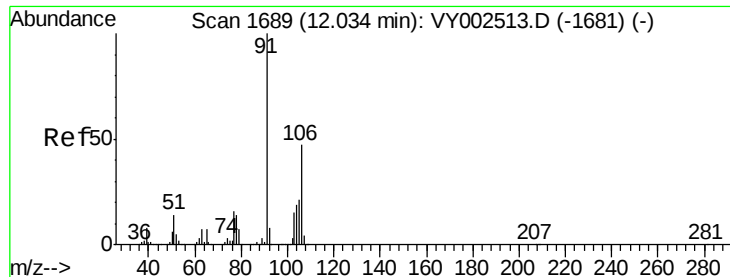
MMDadoda
5/11/2020 1:00:58 PM



#68
m/p-Xylenes
Concen: 106.650 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.8	155.2	232.8





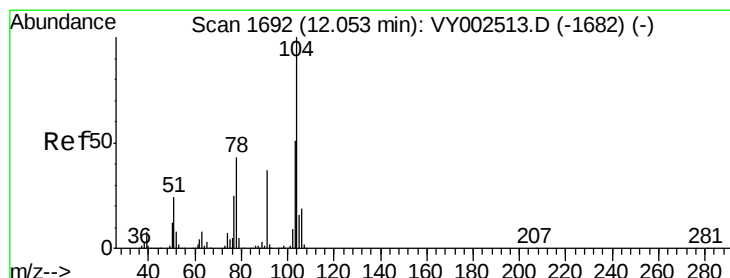
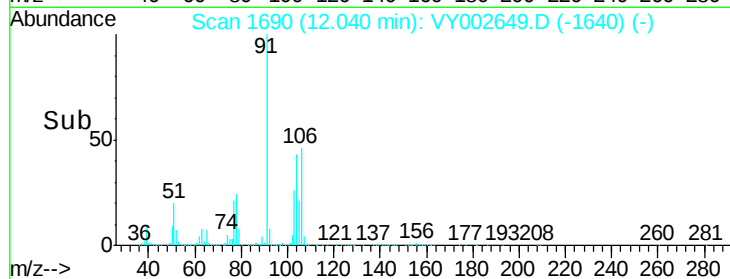
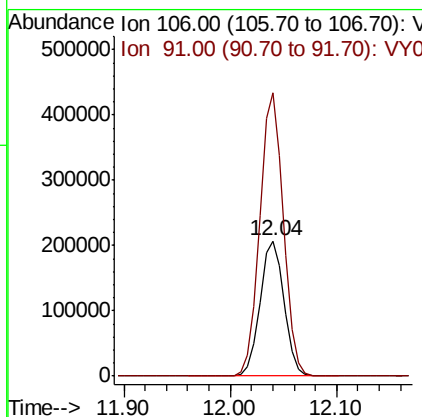
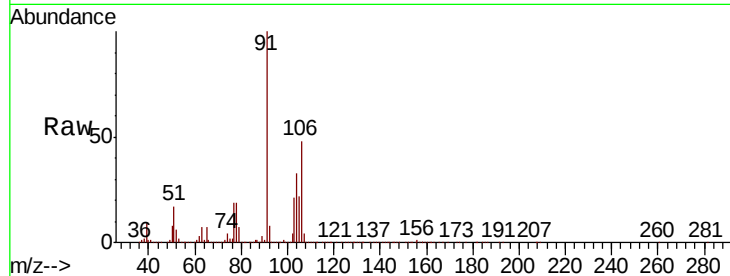
#69
o-Xylene
Concen: 53.713 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.6	103.8	311.3	

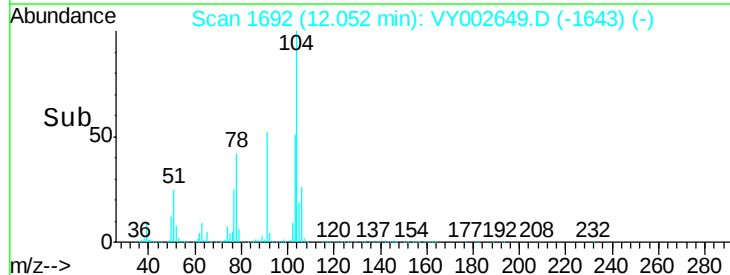
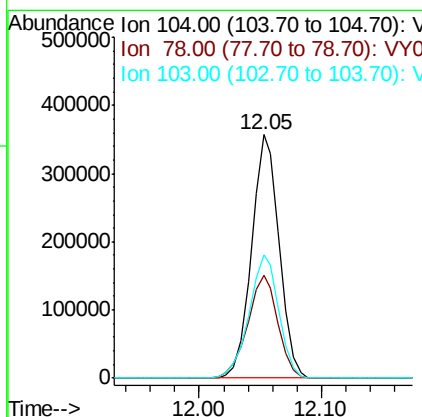
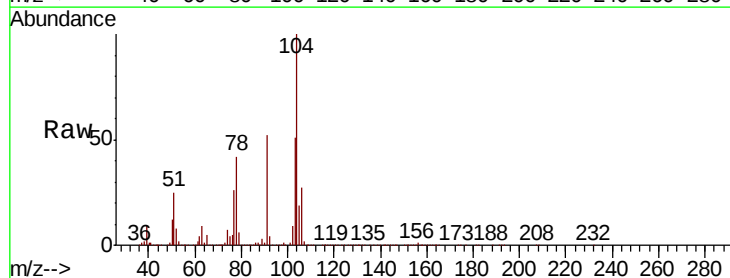
Manual Integrations
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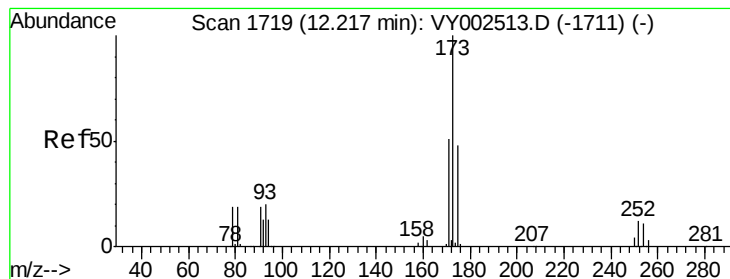
MMDadoda
5/11/2020 1:00:58 PM



#70
Styrene
Concen: 53.708 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.1	37.4	56.0	
103	54.6	43.9	65.9	





#71

Bromoform

Concen: 50.472 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

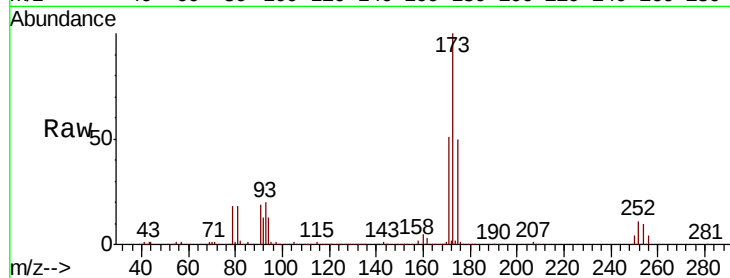
ClientSampleId :

VSTDCCC050EC

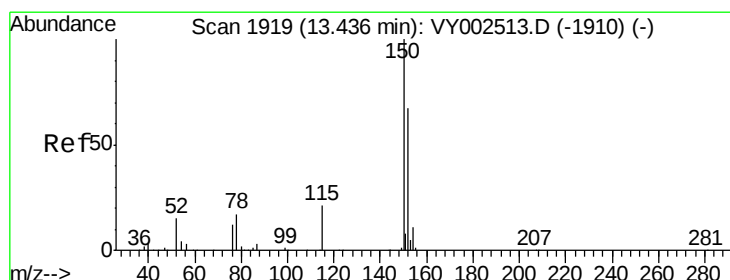
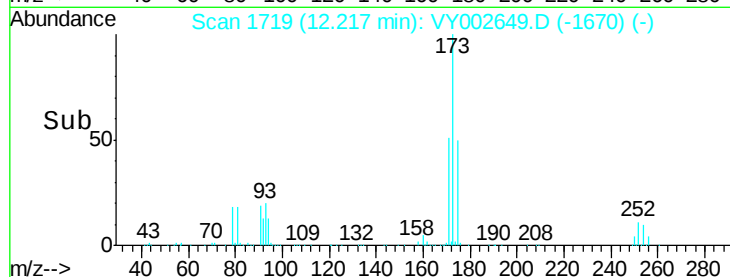
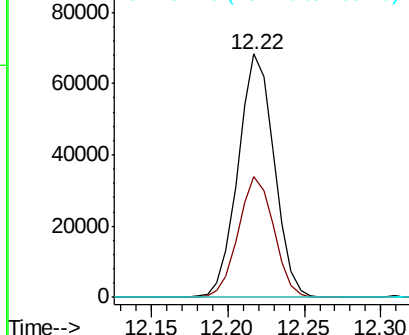
Tot Ion:	173	Resp:	111252
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.3	72.8
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

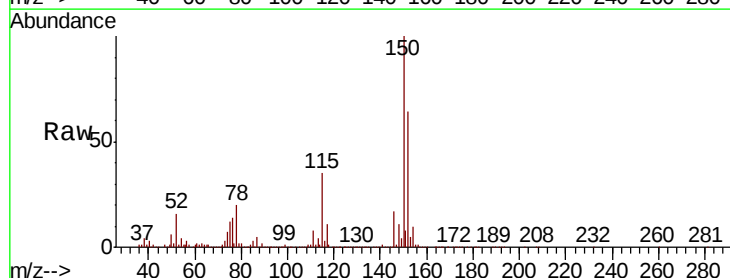
RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

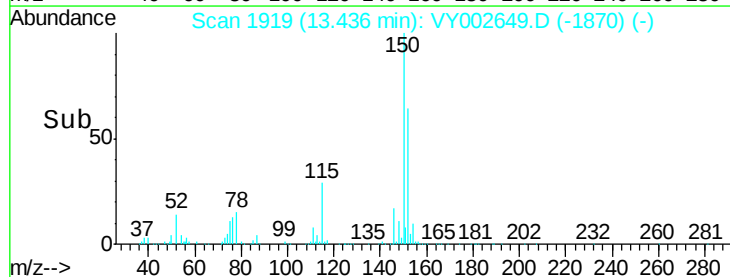
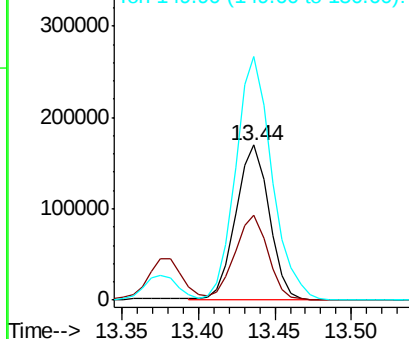
Lab File: VY002649.D

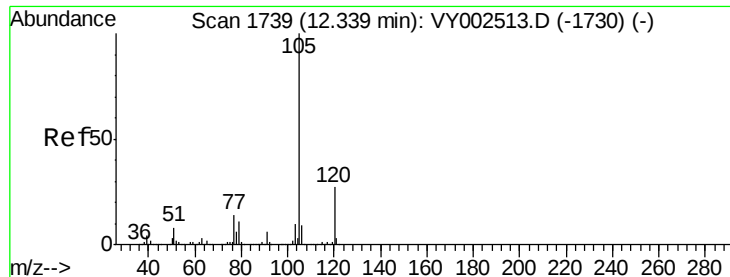
Acq: 08 May 2020 18:18

Tgt Ion:	152	Resp:	257668
Ion Ratio	Lower	Upper	
152	100		
115	53.5	27.5	82.4
150	170.4	0.0	346.4



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





#73

Isopropylbenzene

Concen: 53.247 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 889185

Ion Ratio Lower Upper

105 100

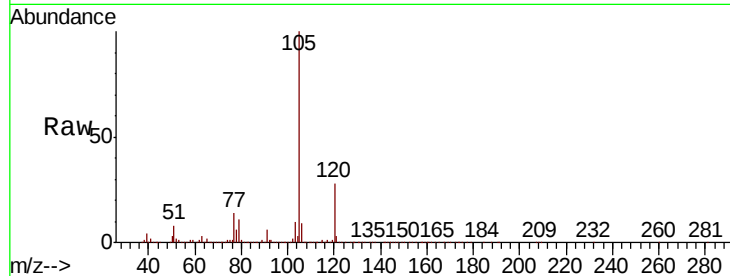
120 27.9 13.8 41.3

Manual Integrations

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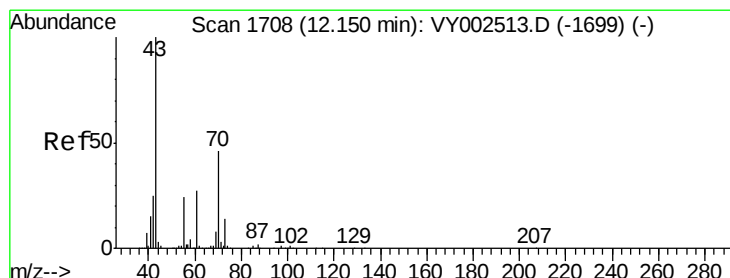
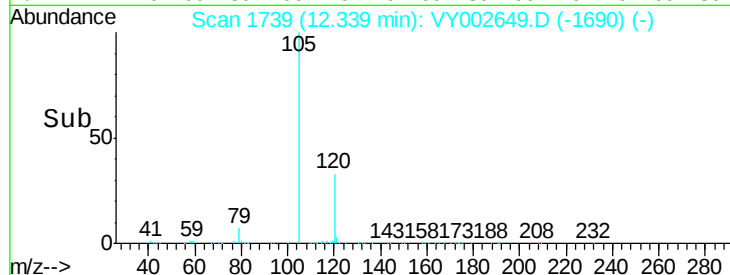
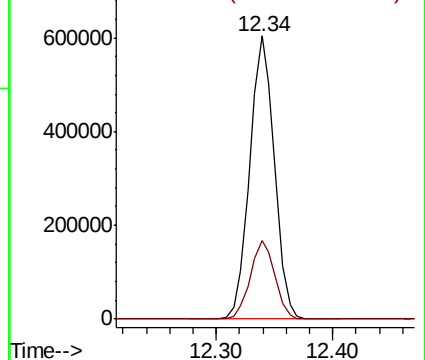
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.723 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion: 43 Resp: 203758

Ion Ratio Lower Upper

43 100

70 46.4 36.7 55.1

55 24.4 19.2 28.8

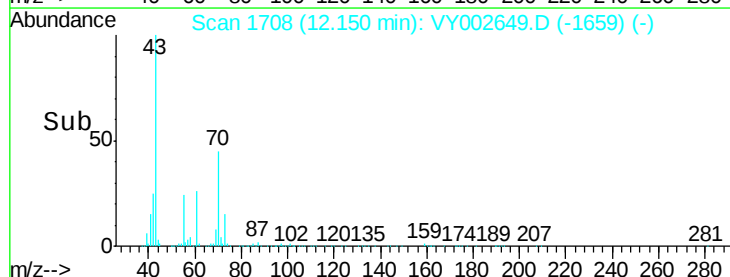
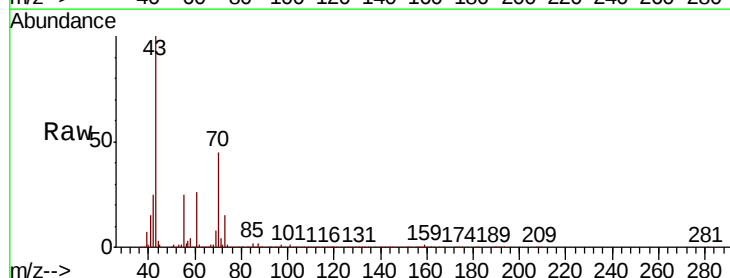
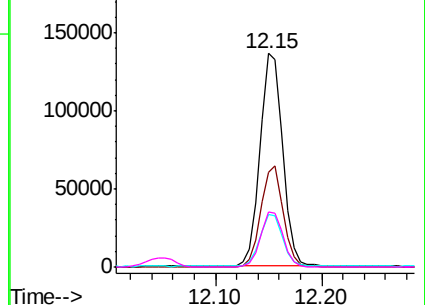
61 25.7 21.1 31.7

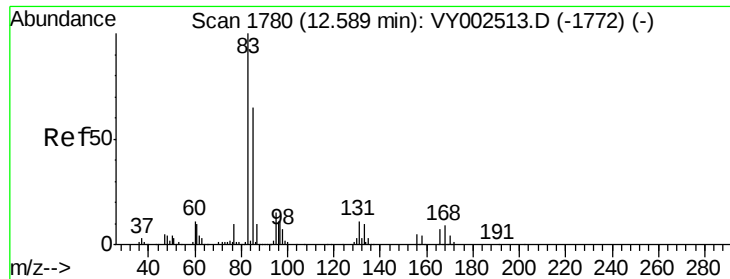
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





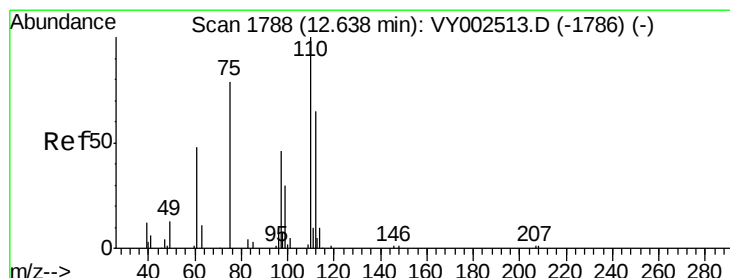
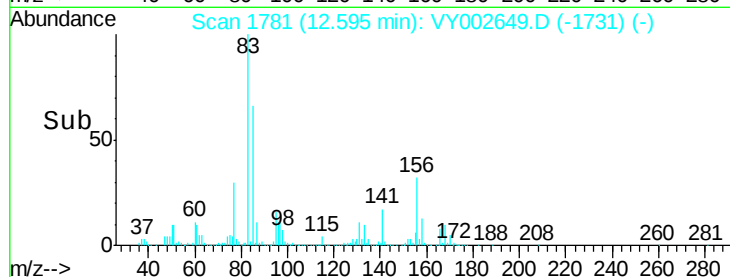
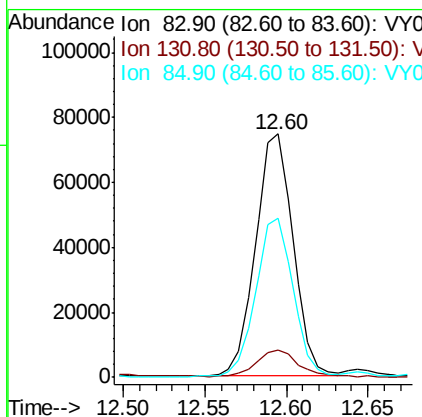
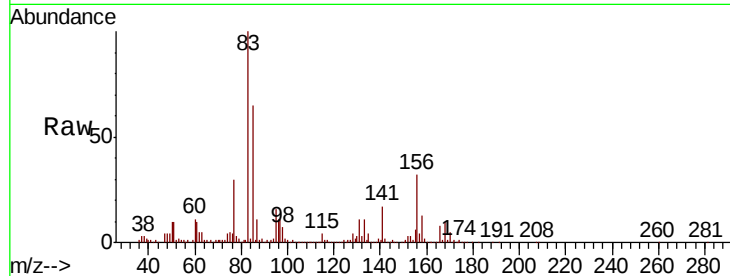
#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.065 ug/l
 RT: 12.60 min Scan# 1781
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.6	5.9	17.8
85	65.2	31.9	95.9

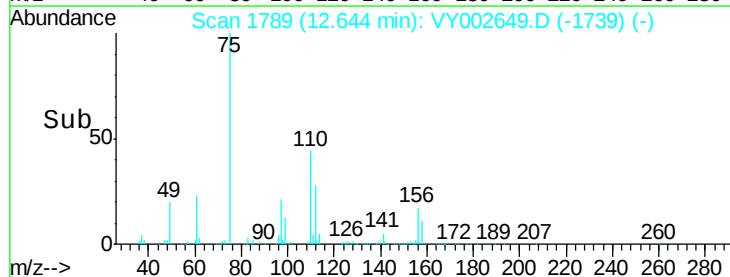
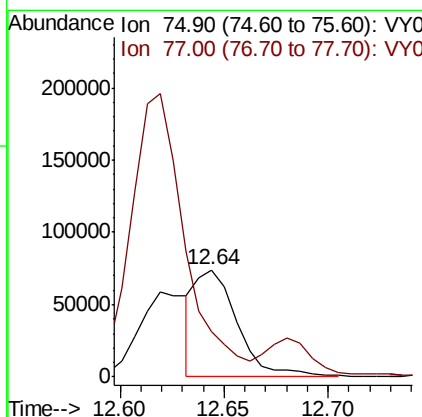
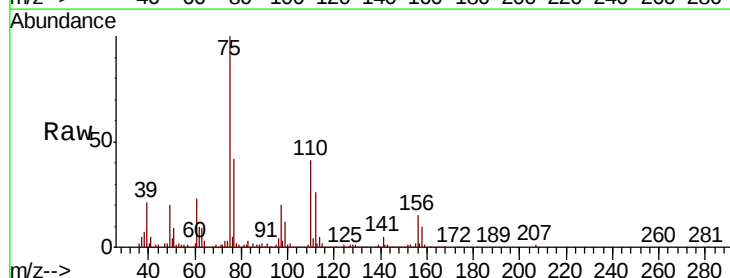
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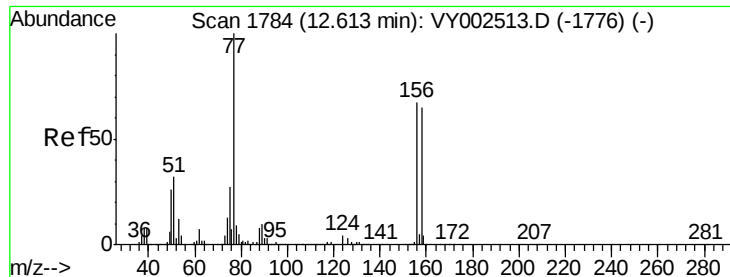
MMDadoda
 5/11/2020 1:00:58 PM



#76
 1,2,3-Trichloropropane
 Concen: 45.496 ug/l m
 RT: 12.64 min Scan# 1789
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.840 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

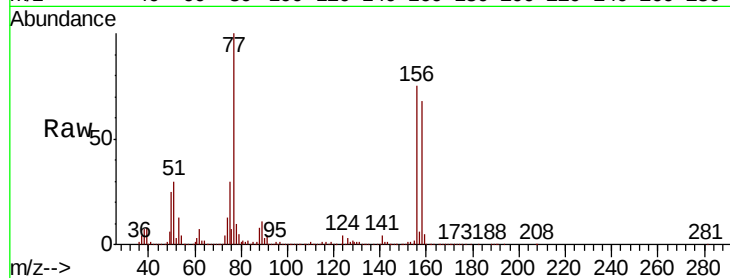
ClientSampleId :

VSTDCCC050EC

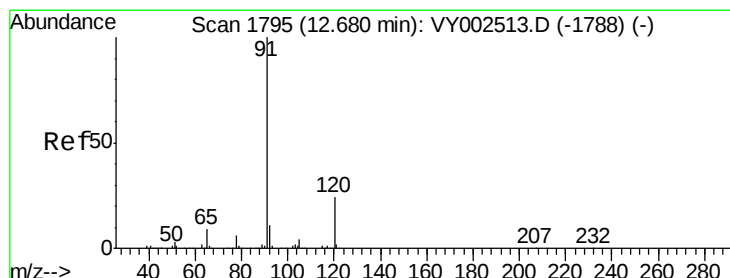
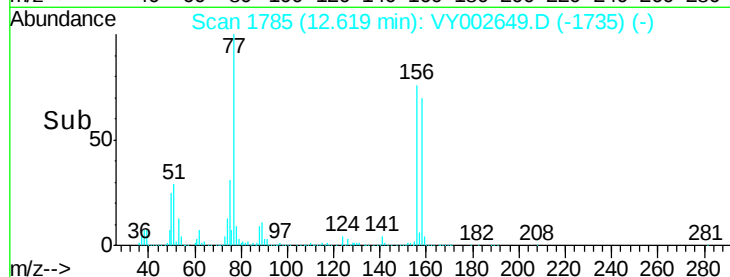
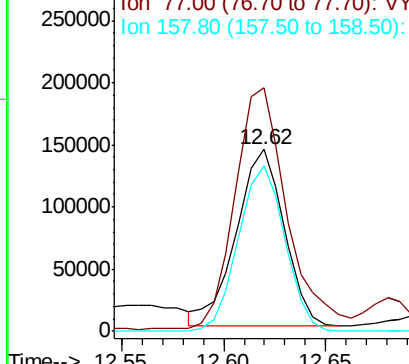
Tot Ion:	156	Resp:	232975
Ion Ratio	Lower	Upper	
156	100		
77	148.0	82.0	245.8
158	90.7	48.5	145.6

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5/11/2020 1:00:58 PM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.458 ug/l

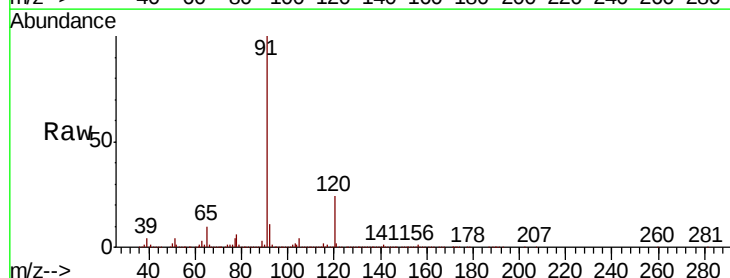
RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

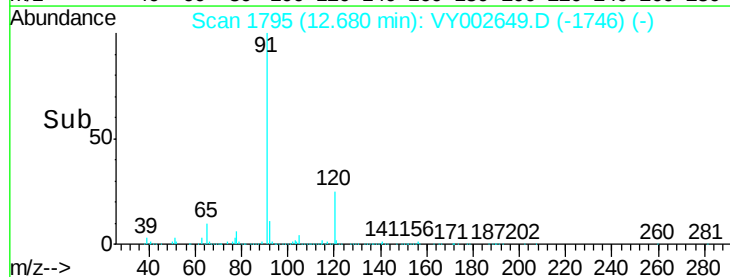
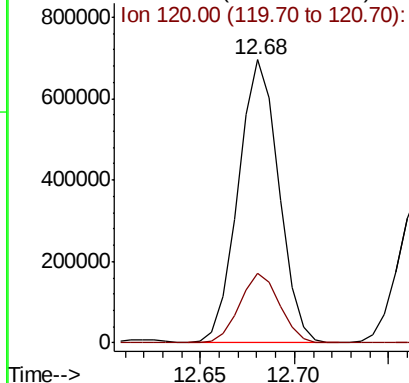
Lab File: VY002649.D

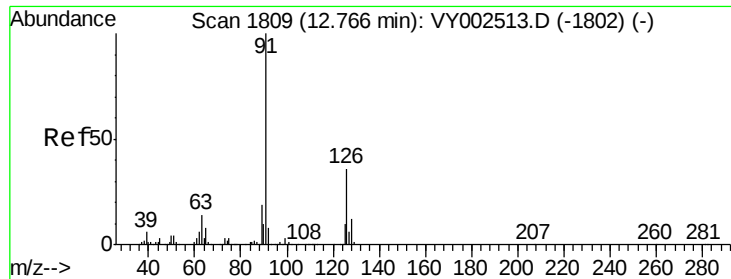
Acq: 08 May 2020 18:18

Tgt Ion:	91	Resp:	1035985
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.2	36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





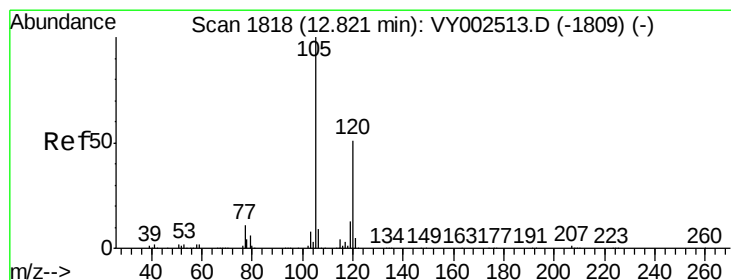
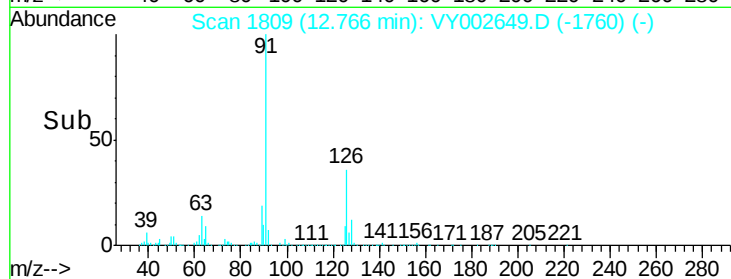
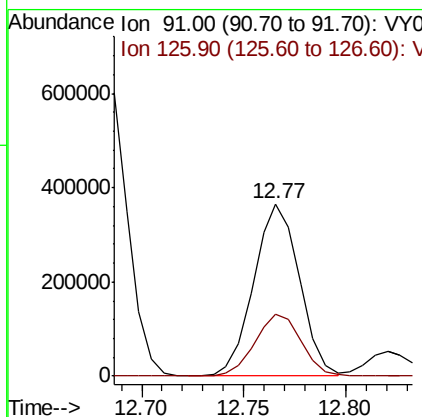
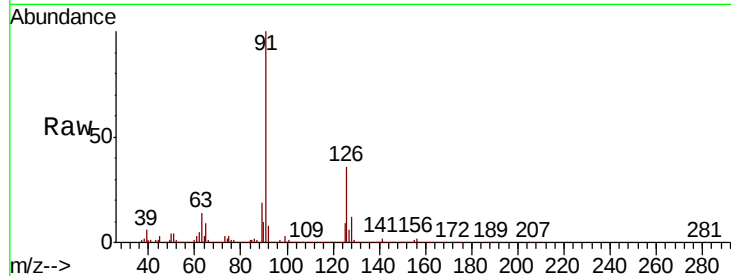
#79
 2-Chlorotoluene
 Concen: 52.997 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.4	55.2

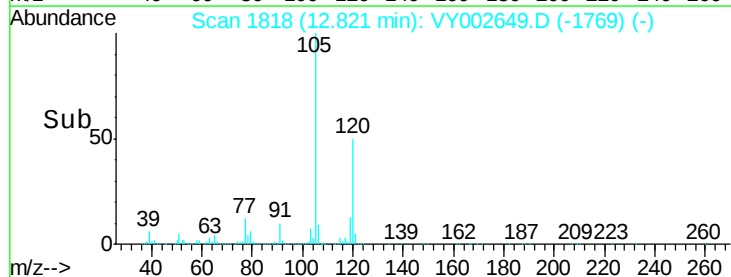
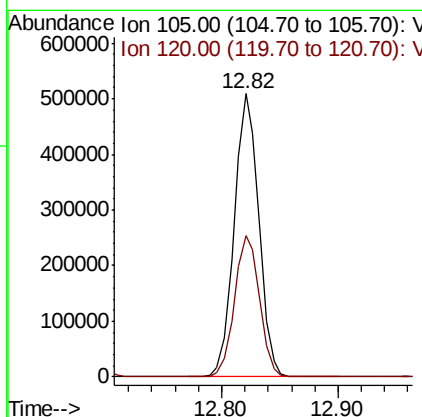
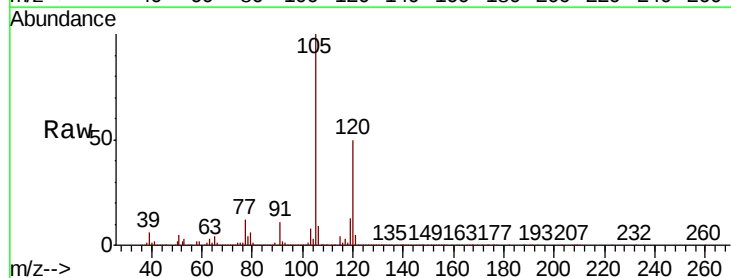
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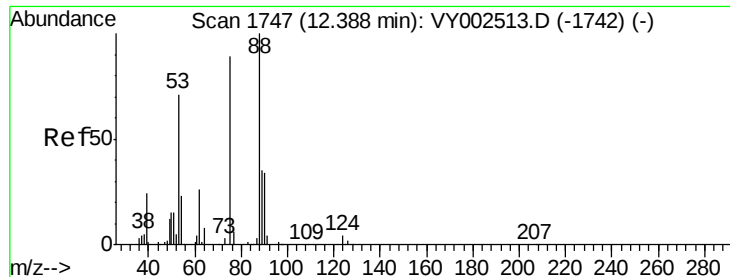
MMDadoda
 5/11/2020 1:00:58 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.824 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.7	25.3	75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 47.183 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

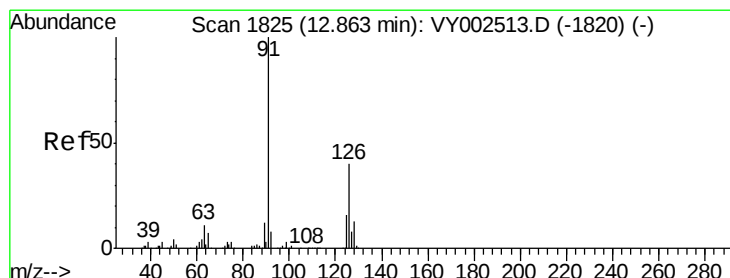
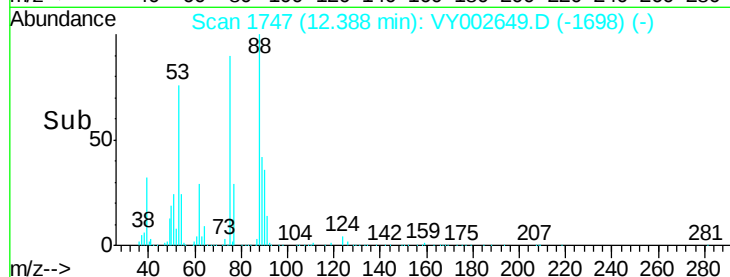
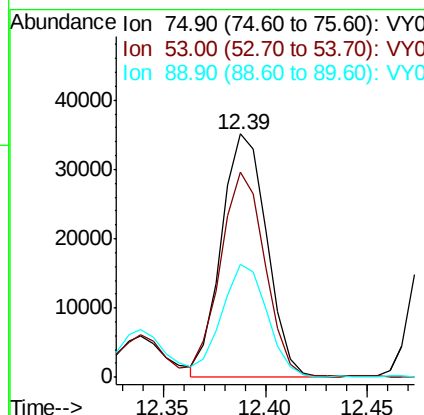
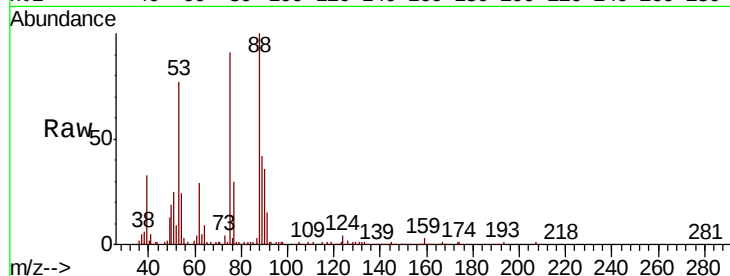
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	53880
Ion	Ratio	Lower	Upper
75	100		
53	83.2	67.4	101.0
89	46.1	37.4	56.0

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#82

4-Chlorotoluene

Concen: 52.050 ug/l

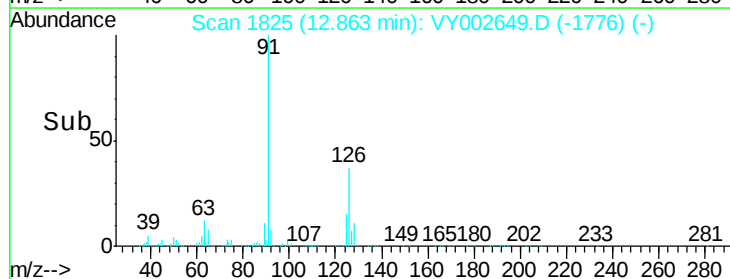
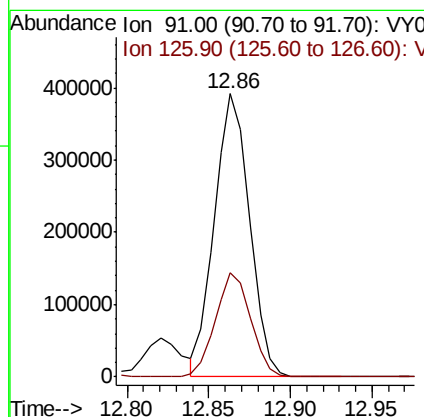
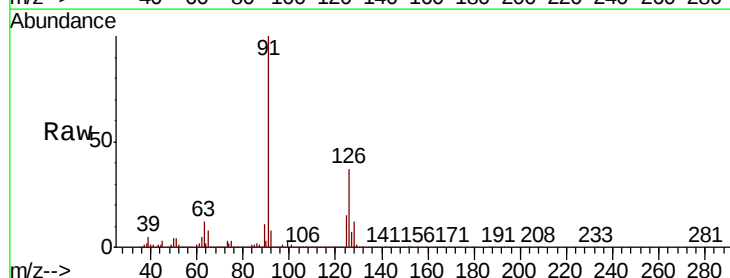
RT: 12.86 min Scan# 1825

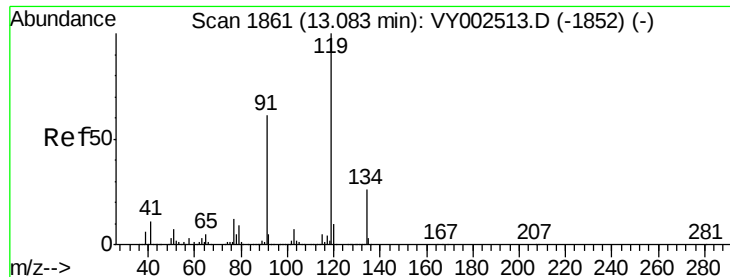
Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion:	91	Resp:	586917
Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.5	55.5





#83

tert-Butylbenzene

Concen: 54.555 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

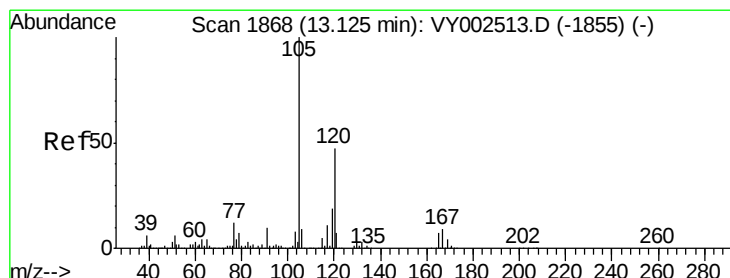
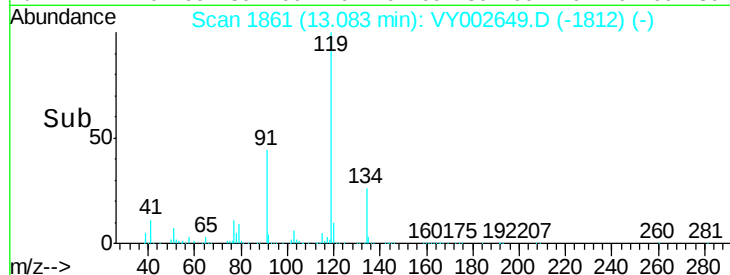
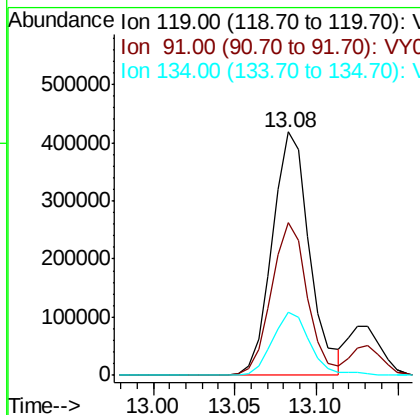
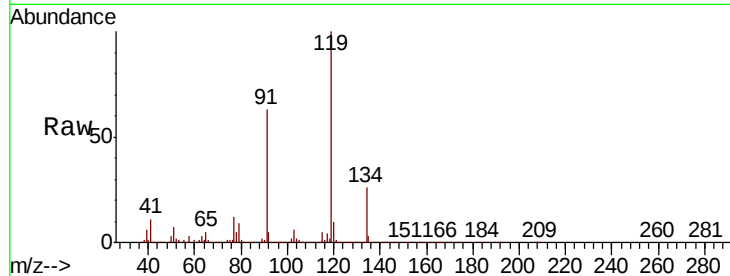
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	662154
Ion Ratio	Lower	Upper	
119	100		
91	60.7	30.6	91.6
134	26.2	13.5	40.4

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#84

1,2,4-Trimethylbenzene

Concen: 53.552 ug/l

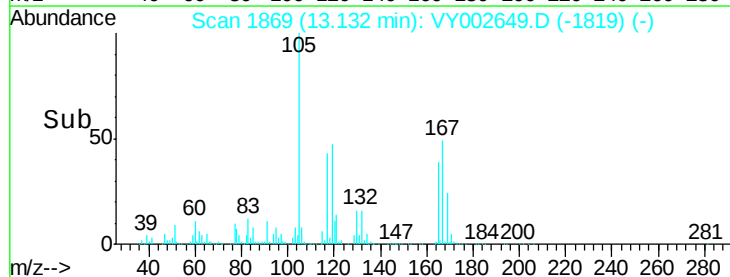
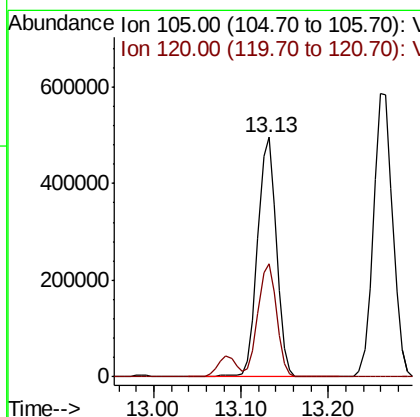
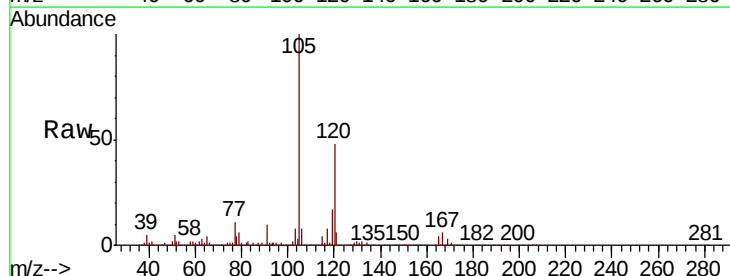
RT: 13.13 min Scan# 1869

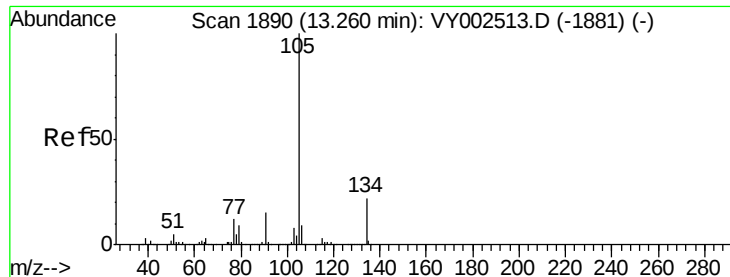
Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion:	105	Resp:	738780
Ion Ratio	Lower	Upper	
105	100		
120	47.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 53.551 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 901909

Ion Ratio Lower Upper

105 100

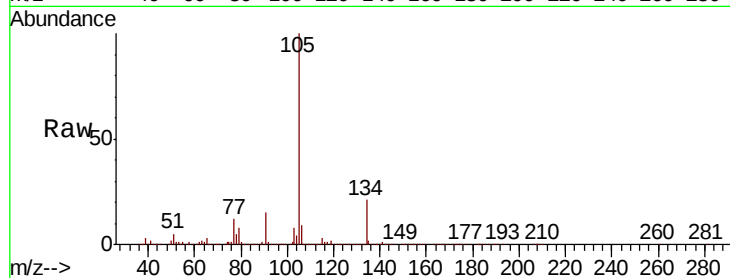
134 21.5 10.8 32.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

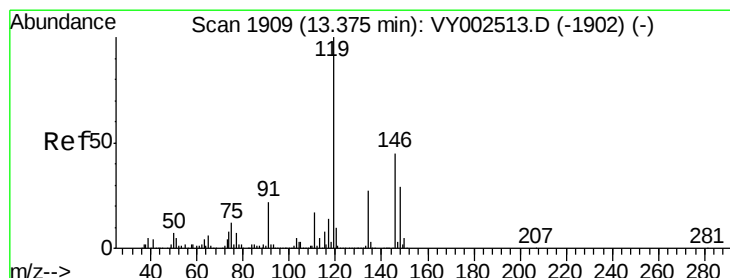
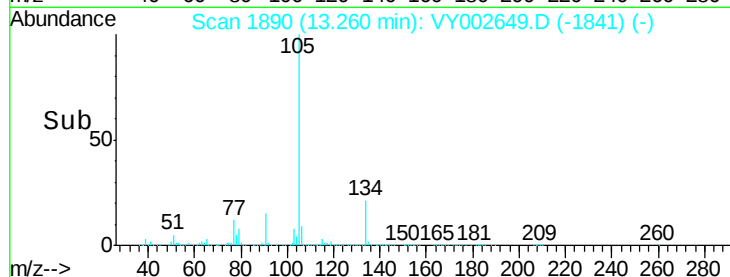
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.693 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

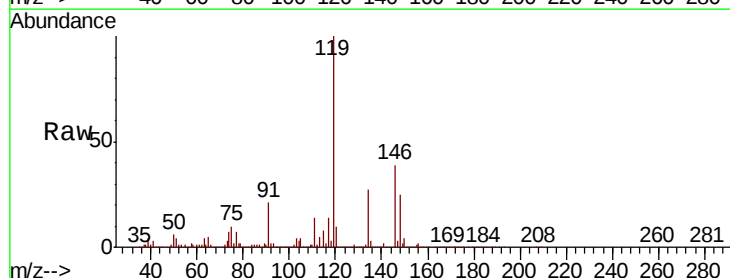
Tgt Ion:119 Resp: 847325

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 21.9 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

800000

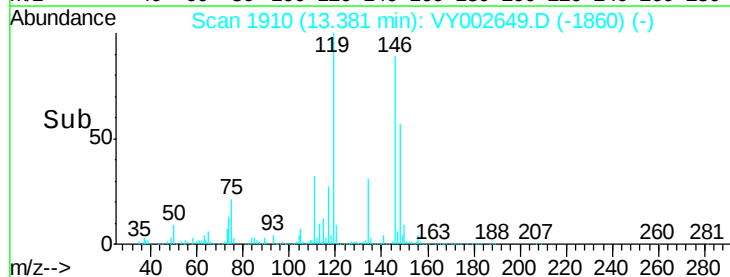
600000

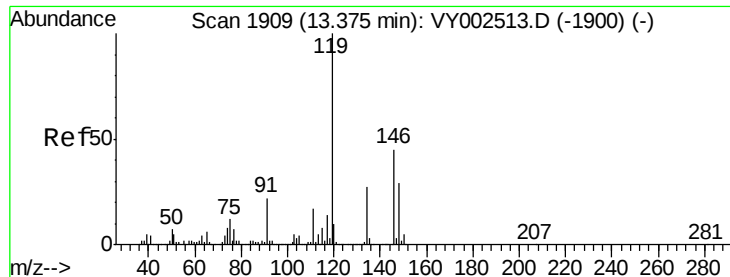
400000

200000

0

Time-->





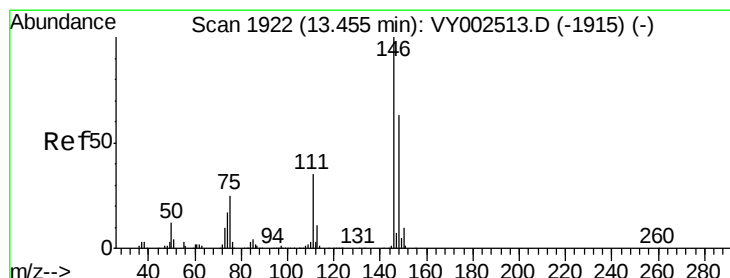
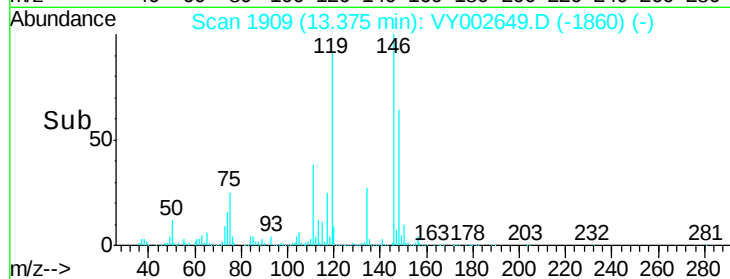
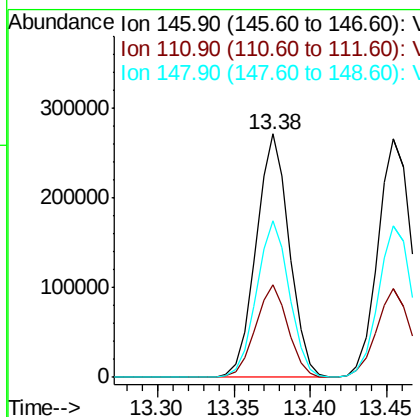
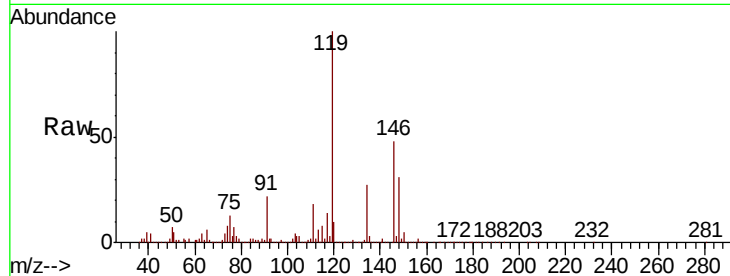
#87
 1,3-Dichlorobenzene
 Concen: 51.866 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	63.7	32.1	96.3

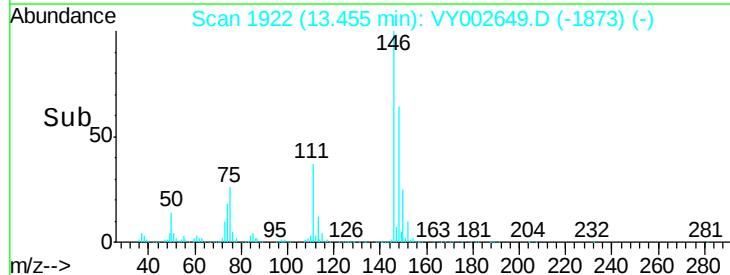
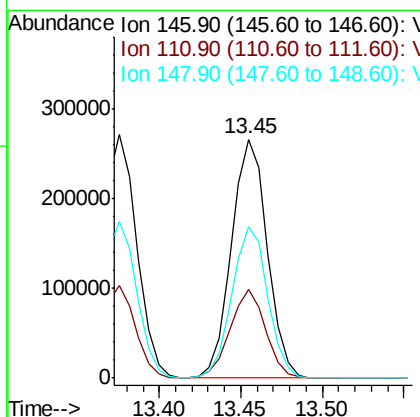
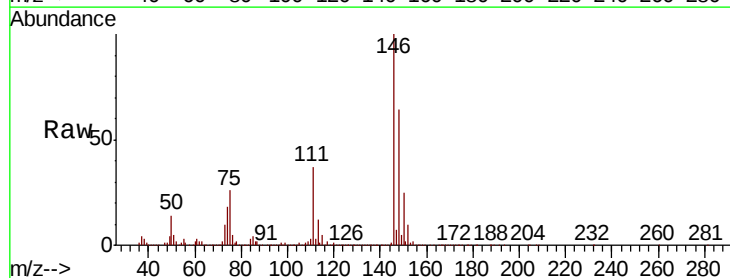
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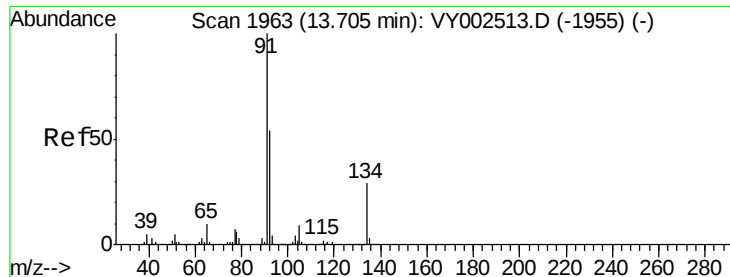
MMDadoda
 5/11/2020 1:00:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.816 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	63.8	31.9	95.5





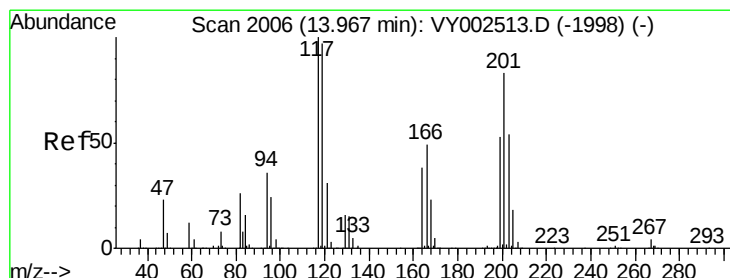
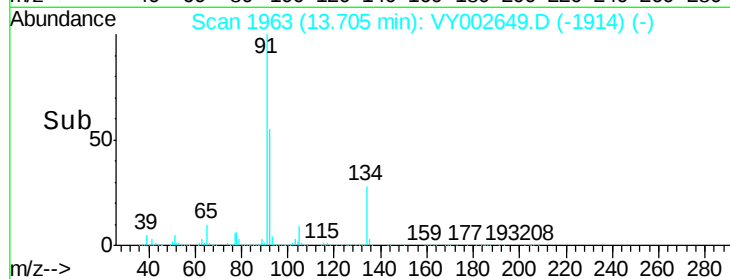
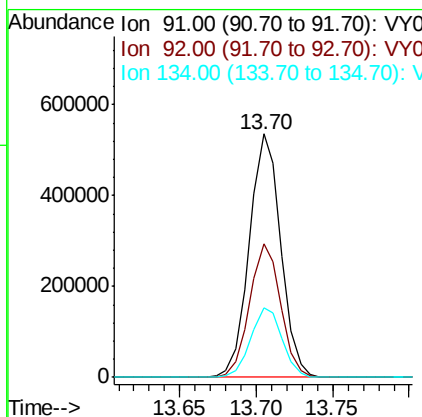
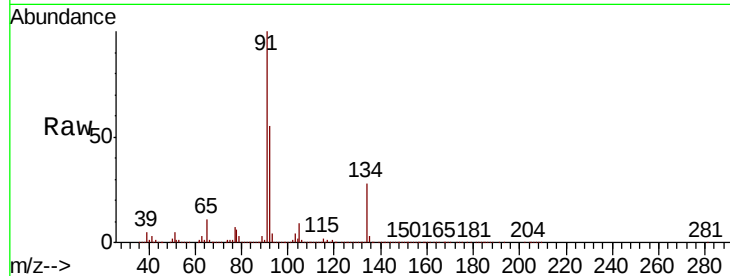
#89
n-Butylbenzene
Concen: 53.056 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.3
134	28.9	14.4	43.0

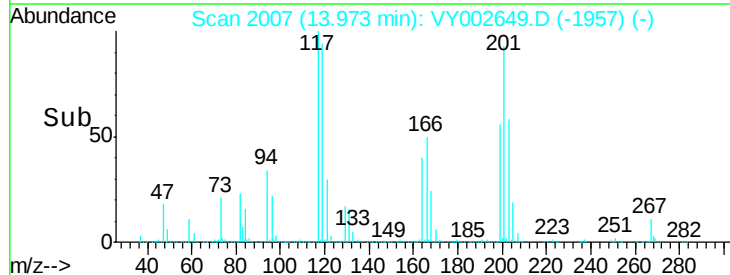
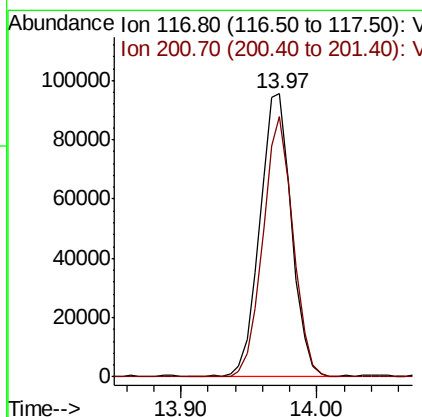
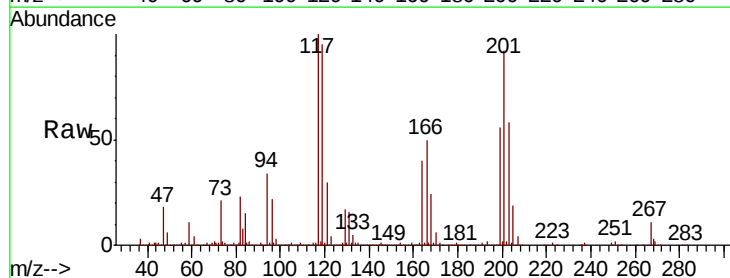
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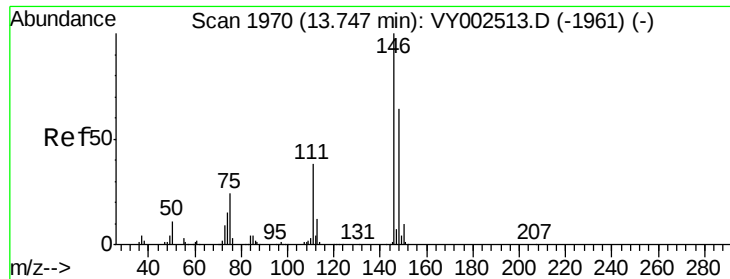
MMDadoda
5/11/2020 1:00:58 PM



#90
Hexachloroethane
Concen: 53.966 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002649.D
Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	44.4	133.2





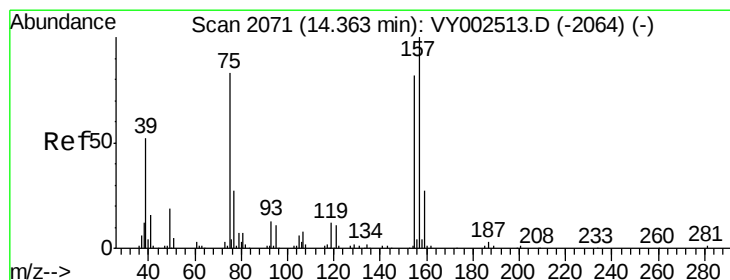
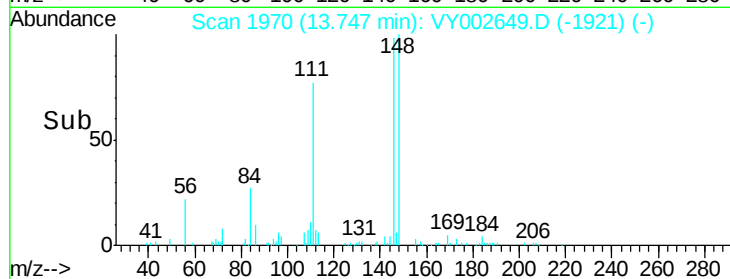
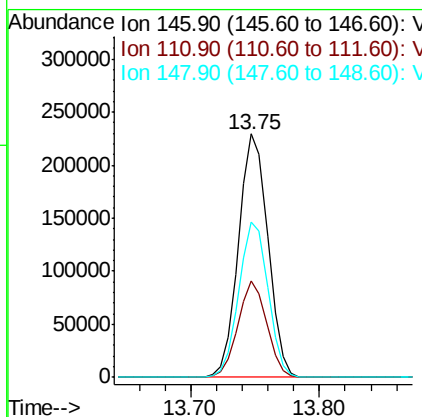
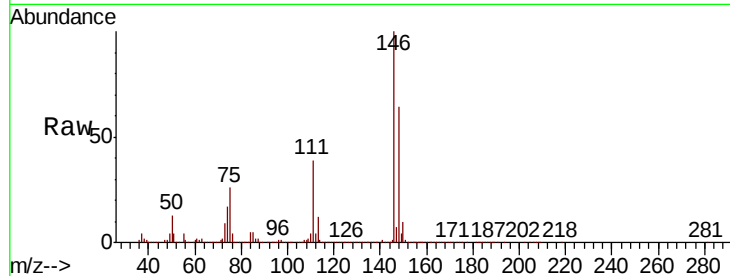
#91
 1,2-Dichlorobenzene
 Concen: 51.248 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	63.8	31.9	95.7

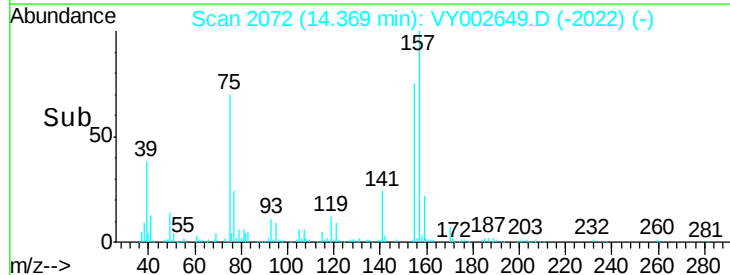
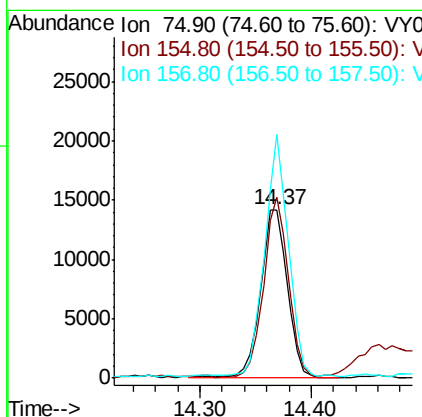
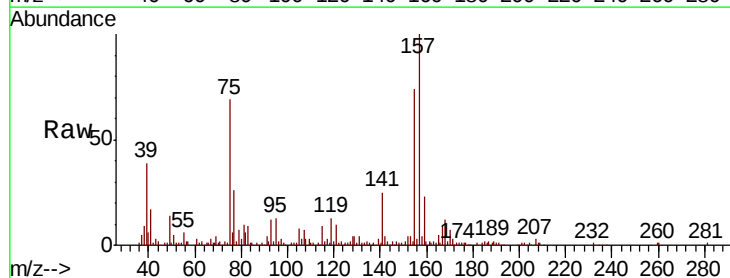
Manual Integrations
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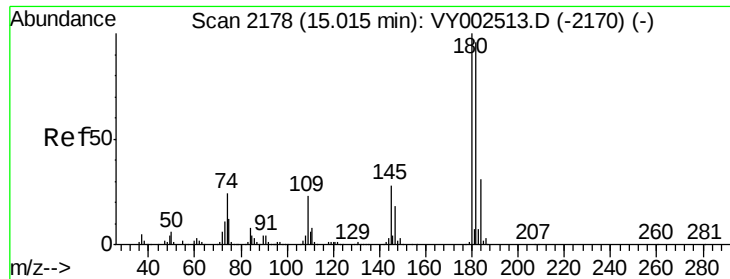
MMDadoda
 5/11/2020 1:00:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.766 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	51.3	153.9
157	126.2	65.0	195.0





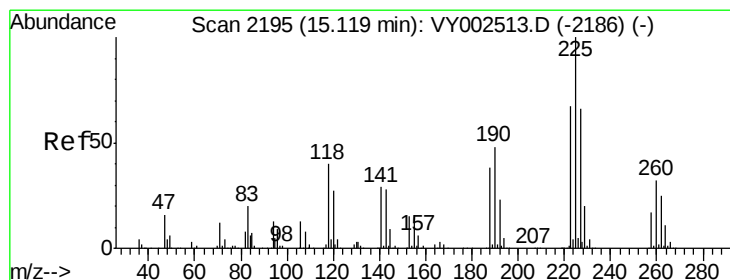
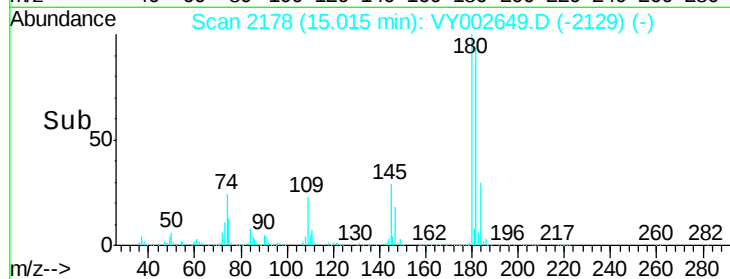
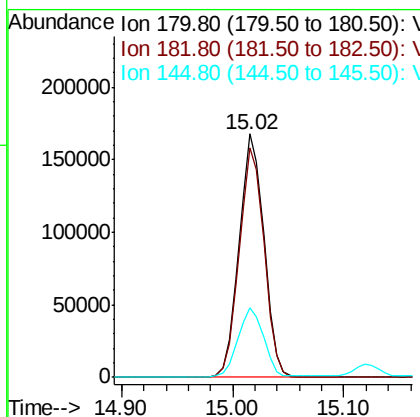
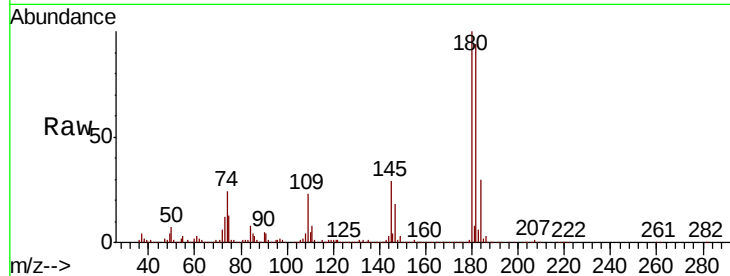
#93
 1,2,4-Trichlorobenzene
 Concen: 50.532 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	258500		
182	94.5	47.9	143.6	
145	29.4	14.4	43.0	

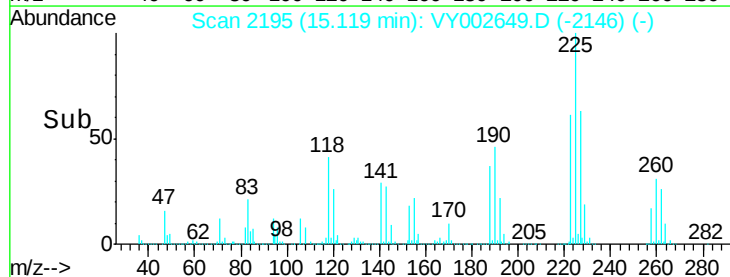
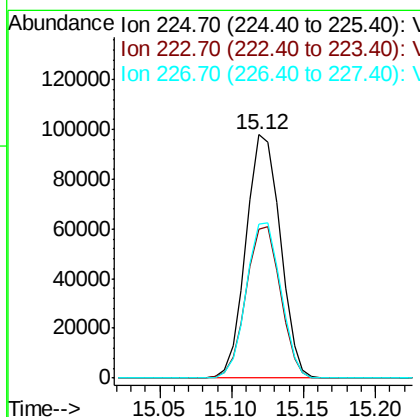
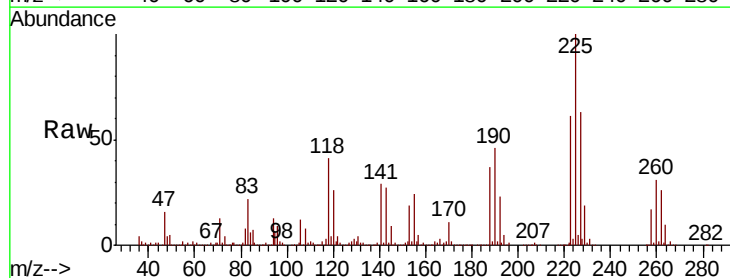
Manual Integrations
 APPROVED

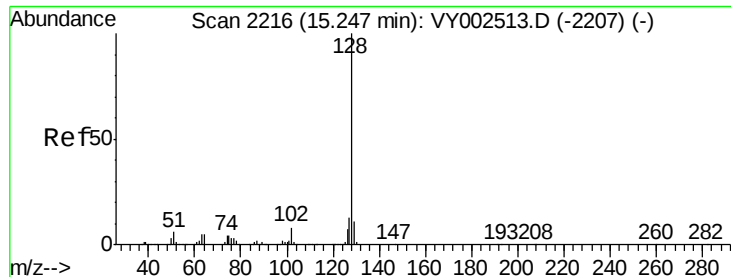
MMDadoda
 5/11/2020 1:00:58 PM



#94
 Hexachlorobutadiene
 Concen: 52.475 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002649.D
 Acq: 08 May 2020 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	161133		
223	62.5	32.1	96.5	
227	64.0	32.0	96.2	





#95

Naphthalene

Concen: 50.908 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Instrument :

MSVOA_Y

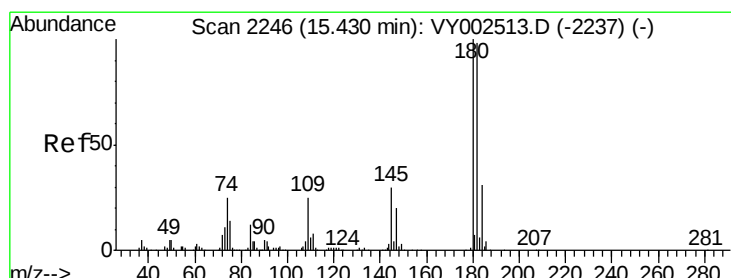
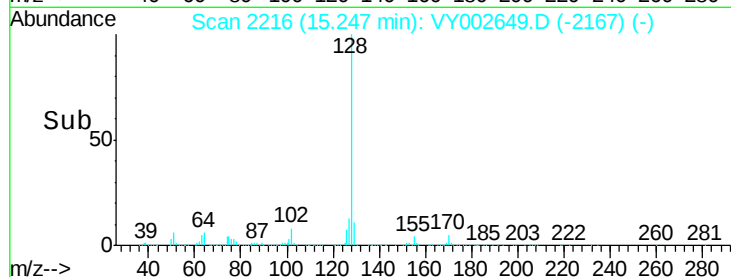
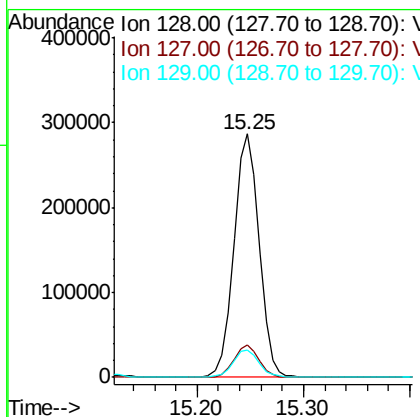
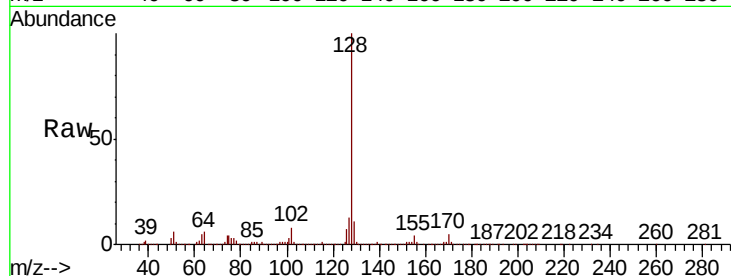
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	475077
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.4	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 48.254 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY002649.D

Acq: 08 May 2020 18:18

Tgt Ion:	180	Resp:	209552
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.8
145	32.2	15.0	45.1

