

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003407.D
 Acq On : 03 Aug 2020 11:16
 Operator : SY/MD
 Sample : VY0803SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0803SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/4/2020 1:51:09 PM

Quant Time: Aug 04 01:50:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	475884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	706649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	644352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	347294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	234427	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.72	113	216782	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
50) Toluene-d8	10.18	98	841466	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.48	95	287019	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	87296	22.402	ug/l	98
3) Chloromethane	2.12	50	113260	21.222	ug/l	100
4) Vinyl Chloride	2.26	62	114977	21.461	ug/l	97
5) Bromomethane	2.64	94	93626	23.657	ug/l	97
6) Chloroethane	2.79	64	72323	21.521	ug/l	96
7) Trichlorofluoromethane	3.13	101	154324	21.332	ug/l	97
8) Diethyl Ether	3.54	74	53829	21.368	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	92898	21.498	ug/l	100
10) Methyl Iodide	4.10	142	84694	16.883	ug/l	97
11) Tert butyl alcohol	4.96	59	54558	118.803	ug/l	99
12) 1,1-Dichloroethene	3.88	96	90957	21.698	ug/l	97
13) Acrolein	3.73	56	50300	105.622	ug/l	100
14) Allyl chloride	4.48	41	147633	21.027	ug/l	99
15) Acrylonitrile	5.17	53	136419	109.146	ug/l	99
16) Acetone	3.95	43	115742	103.529	ug/l	96
17) Carbon Disulfide	4.20	76	291187	21.308	ug/l	98
18) Methyl Acetate	4.48	43	63627	21.572	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	242678	20.942	ug/l	98
20) Methylene Chloride	4.72	84	127373	16.804	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	98983	20.888	ug/l	97
22) Diisopropyl ether	6.13	45	314619	21.329	ug/l	98
23) Vinyl Acetate	6.07	43	1040995	107.723	ug/l	97
24) 1,1-Dichloroethane	6.02	63	172887	20.915	ug/l	98
25) 2-Butanone	6.99	43	179840	105.559	ug/l	99
26) 2,2-Dichloropropane	6.98	77	159770	21.661	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	110940	21.305	ug/l	98
28) Bromochloromethane	7.34	49	72504	22.548	ug/l	99
29) Tetrahydrofuran	7.35	42	122659	110.348	ug/l	100
30) Chloroform	7.51	83	171090	20.867	ug/l	96
31) Cyclohexane	7.78	56	164647	20.528	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	157283	21.025	ug/l	100
36) 1,1-Dichloropropene	7.92	75	136400	20.398	ug/l	98
37) Ethyl Acetate	7.08	43	83148	21.867	ug/l	100
38) Carbon Tetrachloride	7.90	117	143478	20.851	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	170991	20.957	ug/l	99
40) Benzene	8.16	78	388952	20.963	ug/l	98
41) Methacrylonitrile	7.33	41	45760m	20.992	ug/l	
42) 1,2-Dichloroethane	8.24	62	118313	20.937	ug/l	100
43) Isopropyl Acetate	8.27	43	151550	21.117	ug/l	98
44) Trichloroethene	8.94	130	108381	20.311	ug/l	99
45) 1,2-Dichloropropane	9.22	63	101715	20.934	ug/l	98
46) Dibromomethane	9.31	93	57660	21.151	ug/l	98
47) Bromodichloromethane	9.50	83	138617	21.102	ug/l	99
48) Methyl methacrylate	9.29	41	69856	21.564	ug/l	98
49) 1,4-Dioxane	9.30	88	14587	413.427	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	401029	106.628	ug/l	100
52) Toluene	10.24	92	237772	20.433	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	145669	20.893	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	164346	20.800	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	80347	21.013	ug/l	95
56) Ethyl methacrylate	10.51	69	110463	20.867	ug/l	98
57) 1,3-Dichloropropane	10.79	76	140589	21.156	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	272759	111.241	ug/l	99
59) 2-Hexanone	10.83	43	280021	106.833	ug/l	100
60) Dibromochloromethane	10.98	129	99913	20.807	ug/l	97
61) 1,2-Dibromoethane	11.09	107	76270	20.589	ug/l	99
64) Tetrachloroethene	10.72	164	112046	20.800	ug/l	97
65) Chlorobenzene	11.52	112	261358	20.670	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	103876	21.121	ug/l	98
67) Ethyl Benzene	11.59	91	474559	20.815	ug/l	100
68) m/p-Xylenes	11.70	106	359088	41.778	ug/l	100
69) o-Xylene	12.03	106	167796	20.854	ug/l	97
70) Styrene	12.04	104	288145	20.930	ug/l	99
71) Bromoform	12.20	173	66451	20.792	ug/l	98
73) Isopropylbenzene	12.33	105	457966	20.403	ug/l	99
74) N-amyl acetate	12.14	43	139086	21.024	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	92309	20.762	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	66934m	21.454	ug/l	
77) Bromobenzene	12.61	156	118723	20.817	ug/l	99
78) n-propylbenzene	12.67	91	554517	20.642	ug/l	100
79) 2-Chlorotoluene	12.75	91	308464	20.695	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	397601	21.098	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	35308	21.403	ug/l	97
82) 4-Chlorotoluene	12.85	91	321584	20.763	ug/l	100
83) tert-Butylbenzene	13.07	119	346202	21.160	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	390356	20.609	ug/l	99
85) sec-Butylbenzene	13.25	105	477940	21.001	ug/l	99
86) p-Isopropyltoluene	13.37	119	440786	20.708	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	222418	20.417	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	223091	20.771	ug/l	98
89) n-Butylbenzene	13.69	91	418434	20.802	ug/l	99
90) Hexachloroethane	13.96	117	85833	21.050	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	199623	20.759	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	15725	21.954	ug/l	95

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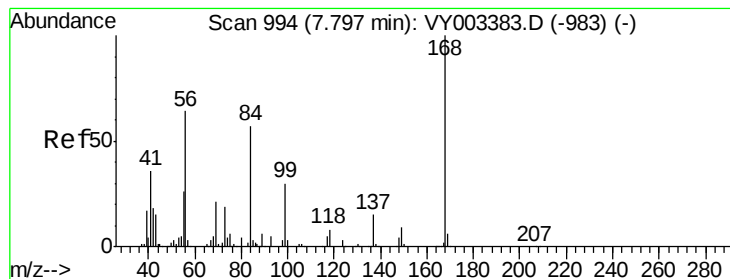
Manual Integrations
APPROVED

MMDadoda
8/4/2020 1:51:09 PM

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Quant Title : SW846 8260
QLast Update : Fri Jul 31 13:09:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	142739	20.946	ug/l	99
94) Hexachlorobutadiene	15.11	225	96724	21.432	ug/l	98
95) Naphthalene	15.23	128	239140	20.716	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	113882	20.656	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion:168 Resp: 475884

Ion Ratio Lower Upper

168 100

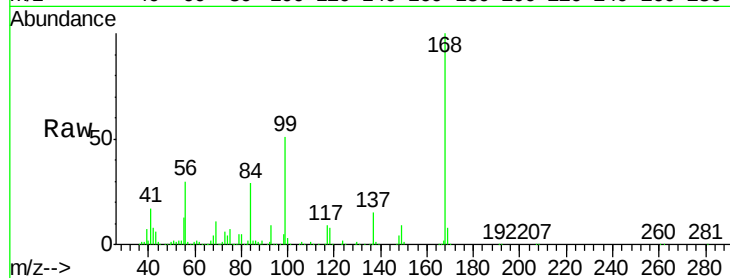
99 50.9 38.8 58.2

Manual Integrations

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8/4/2020 1:51:09 PM



Abundance Ion 167.90 (167.60 to 168.60): VY003383.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003383.D (-983) (-)

7.79

250000

200000

150000

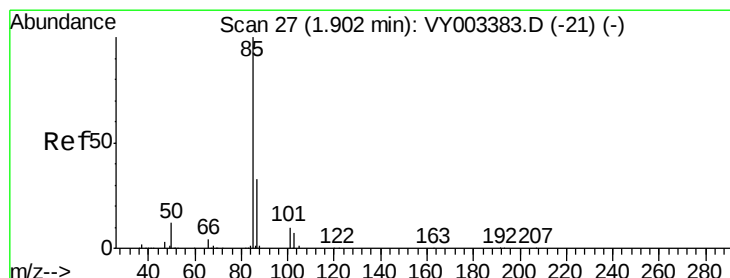
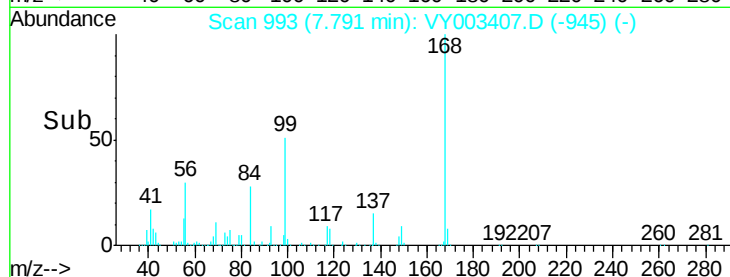
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.402 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY003407.D

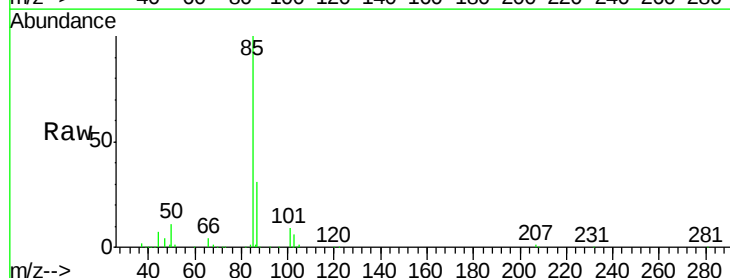
Acq: 03 Aug 2020 11:16

Tgt Ion: 85 Resp: 87296

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VY003383.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003383.D (-21) (-)

1.90

60000

50000

40000

30000

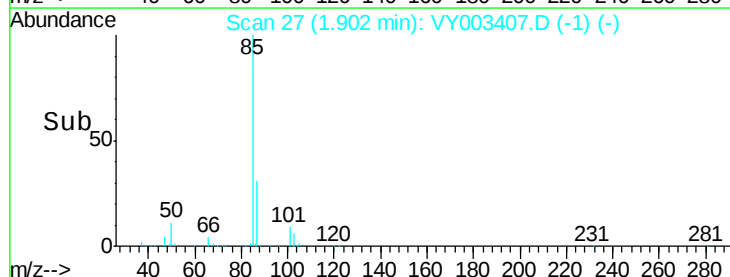
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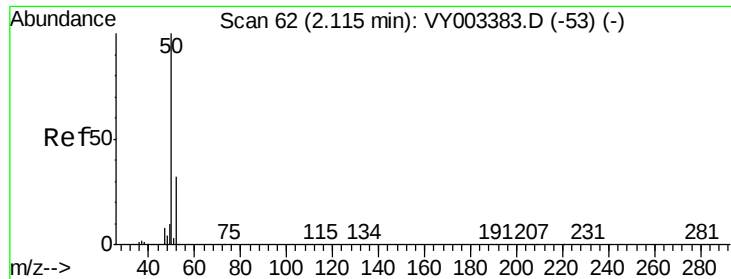
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0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 21.222 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion: 50 Resp: 113260

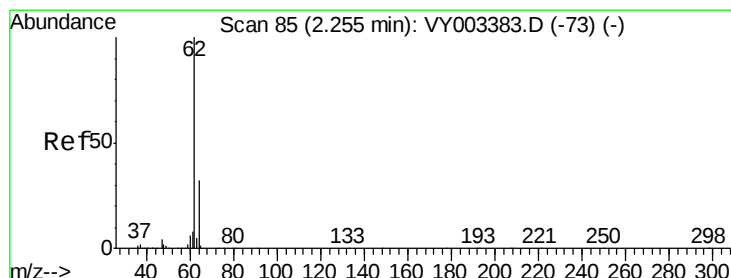
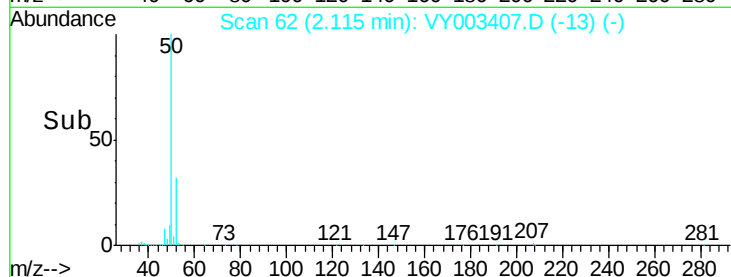
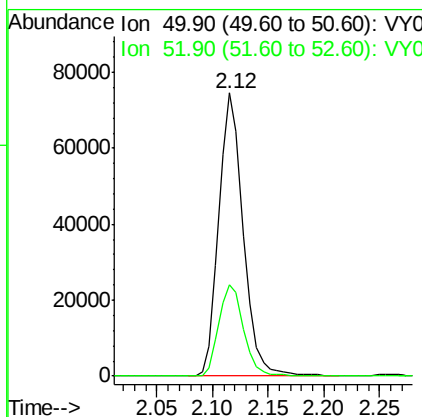
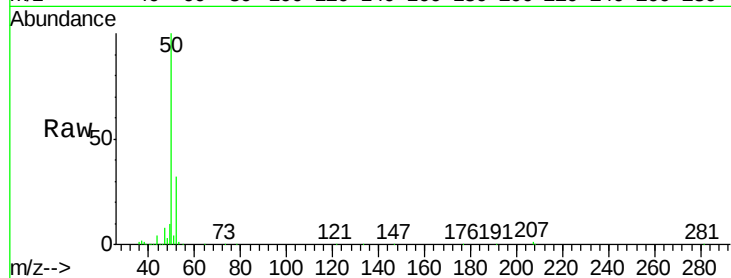
Ion Ratio Lower Upper

50 100

52 32.1 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.461 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003407.D

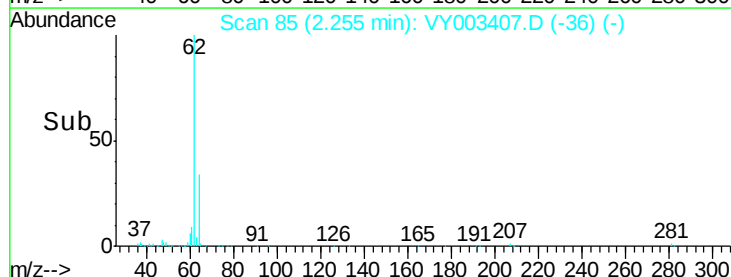
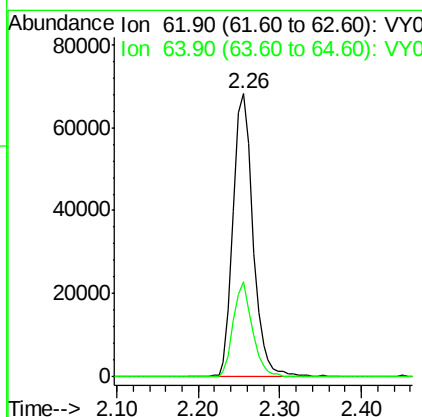
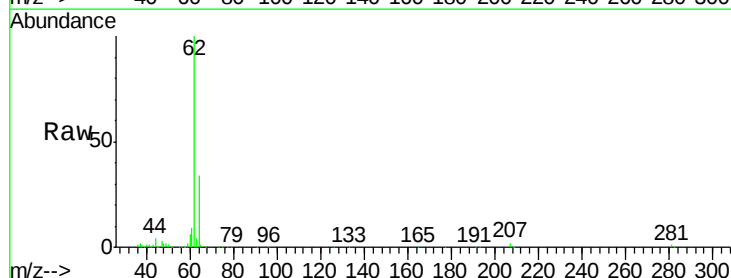
Acq: 03 Aug 2020 11:16

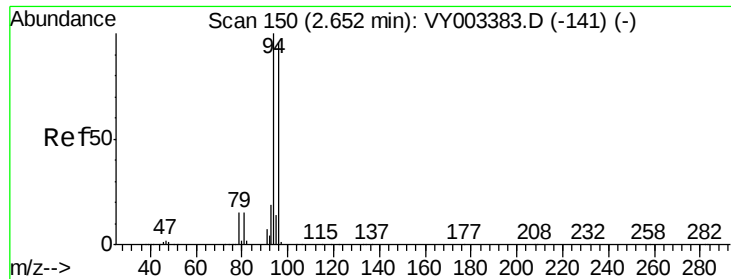
Tgt Ion: 62 Resp: 114977

Ion Ratio Lower Upper

62 100

64 33.5 25.7 38.5





#5

Bromomethane

Concen: 23.657 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion: 94 Resp: 93626

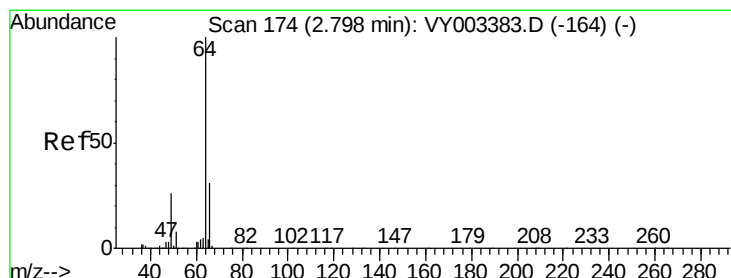
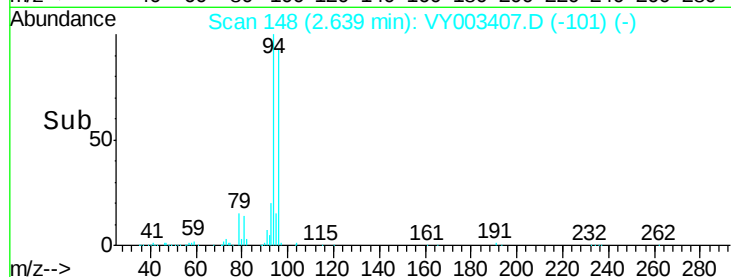
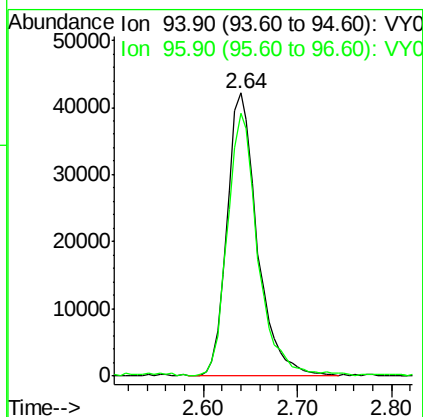
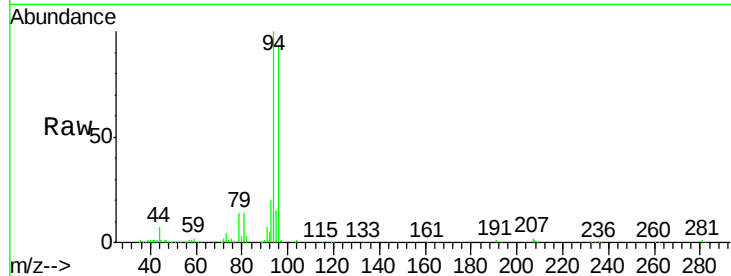
Ion Ratio Lower Upper

94 100

96 92.7 76.6 115.0

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 21.521 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003407.D

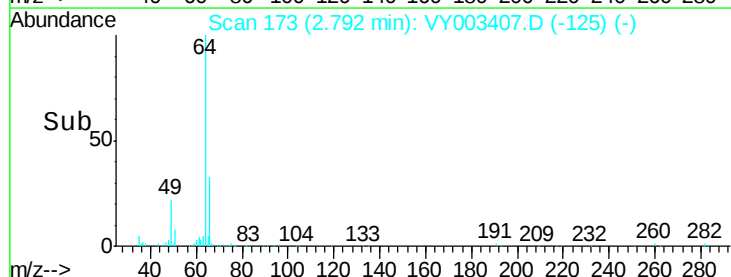
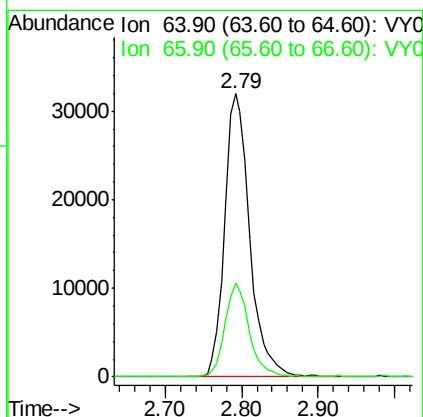
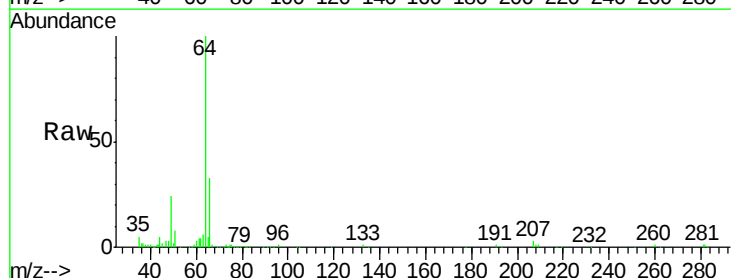
Acq: 03 Aug 2020 11:16

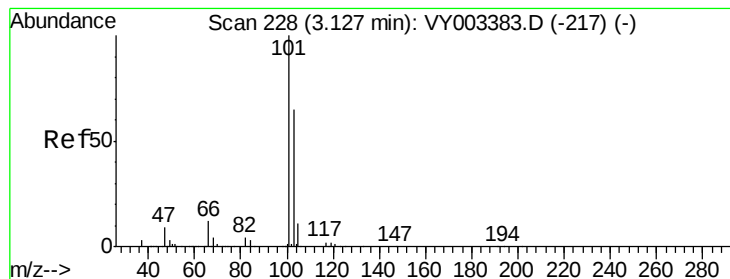
Tgt Ion: 64 Resp: 72323

Ion Ratio Lower Upper

64 100

66 33.0 24.7 37.1





#7

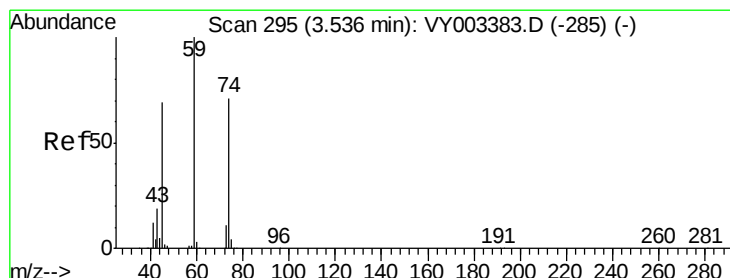
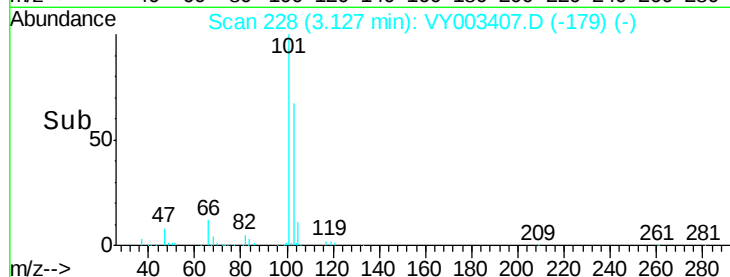
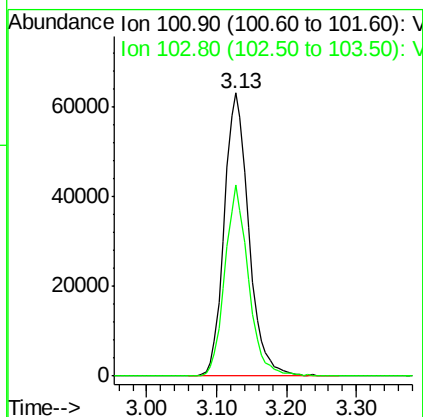
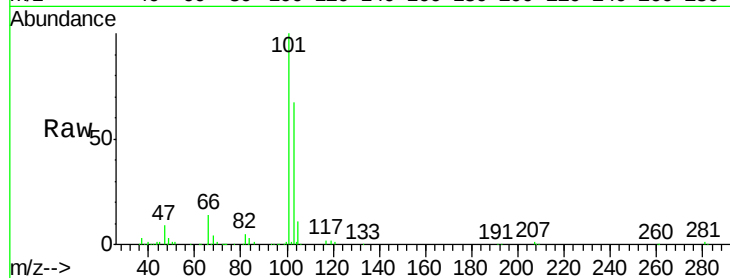
Trichlorofluoromethane
 Concen: 21.332 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Instrument :
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 VY0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	154324		
103	67.4	51.8	77.6	

Manual Integrations
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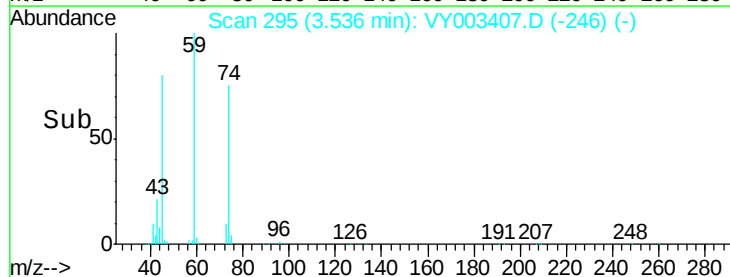
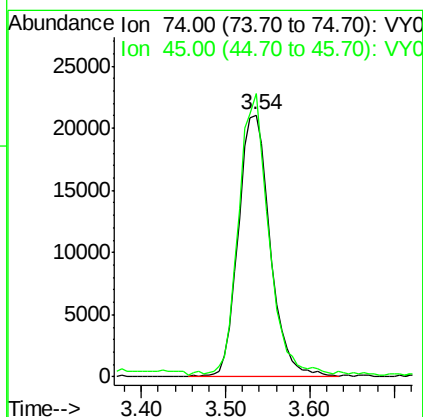
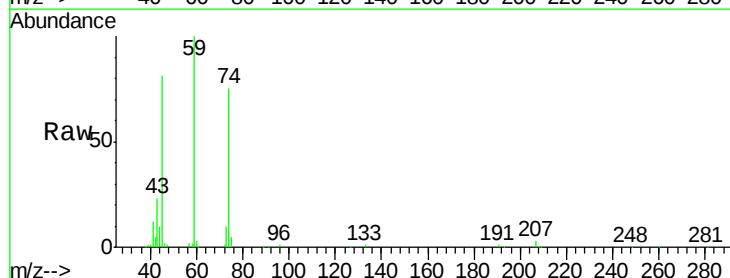
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 8/4/2020 1:51:09 PM

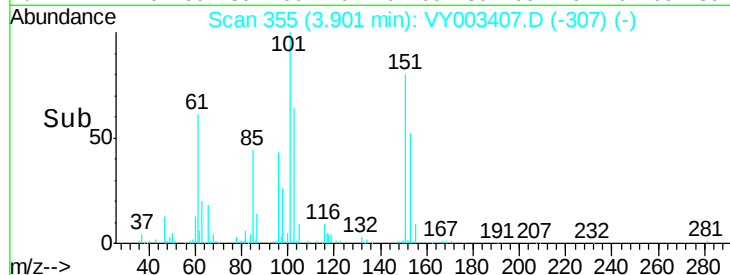
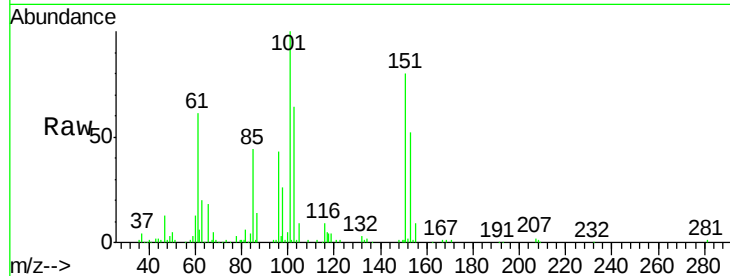
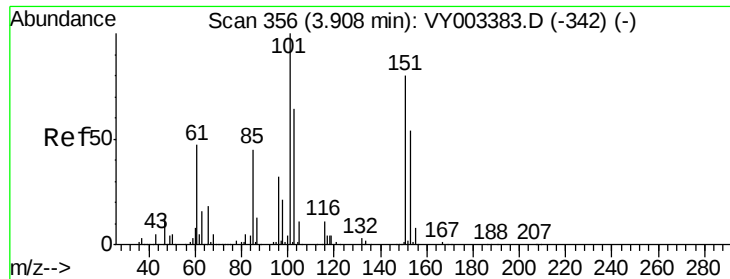


#8

Diethyl Ether
 Concen: 21.368 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	53829		
45	98.5	48.7	146.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.498 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

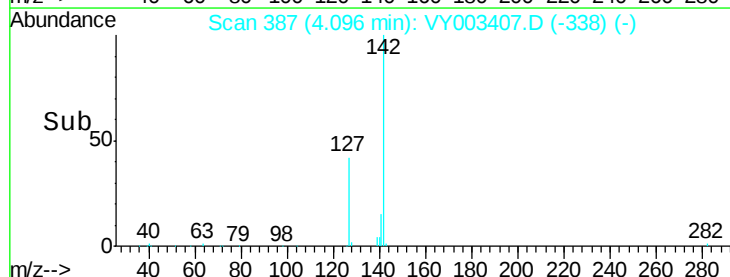
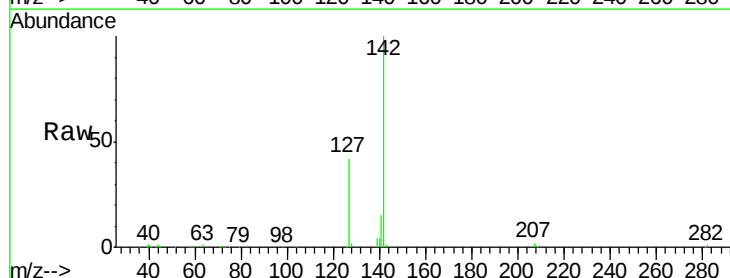
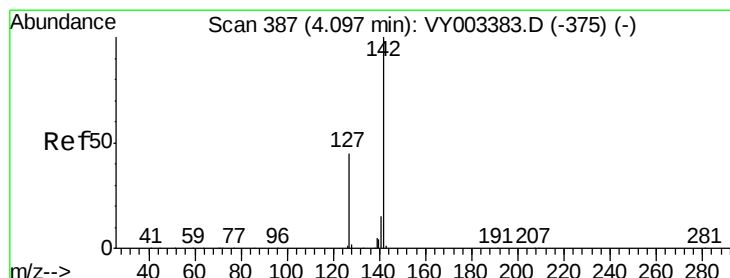
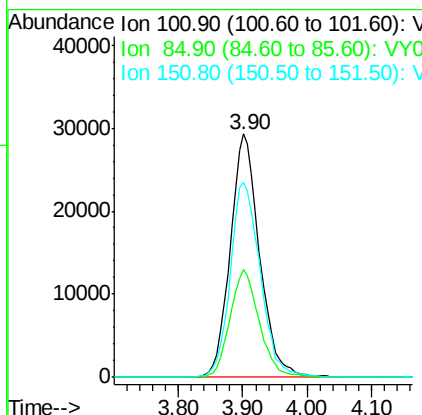
ClientSampleId :

VY0803SBS01

Tot Ion:	101	Resp:	92898
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.7	53.5
151	82.1	65.7	98.5

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 16.883 ug/l

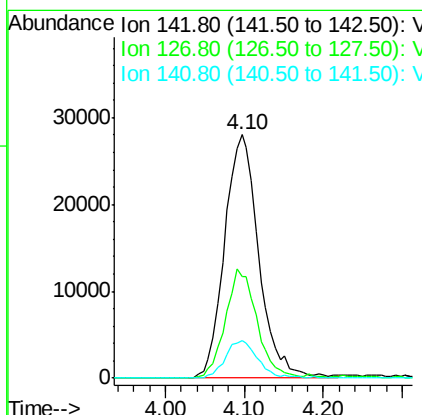
RT: 4.10 min Scan# 387

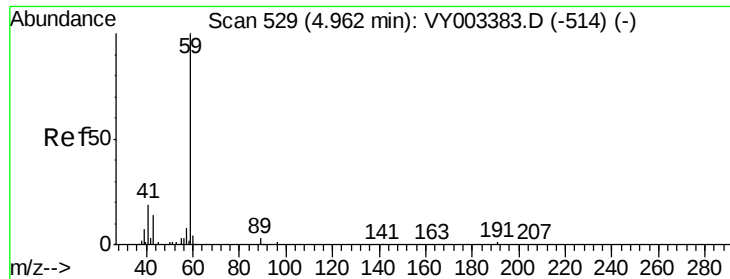
Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Tgt Ion:	142	Resp:	84694
Ion Ratio	Lower	Upper	
142	100		
127	41.4	34.6	52.0
141	14.8	11.4	17.0





#11

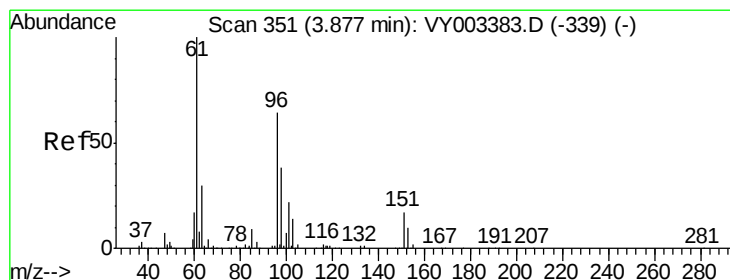
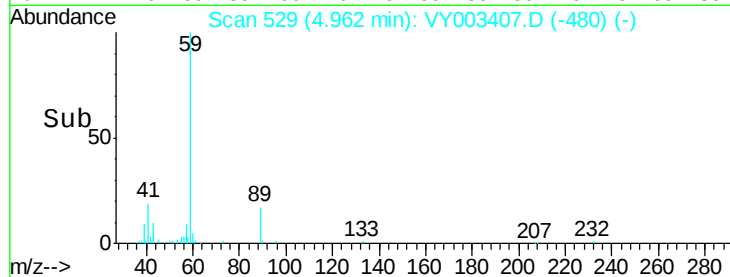
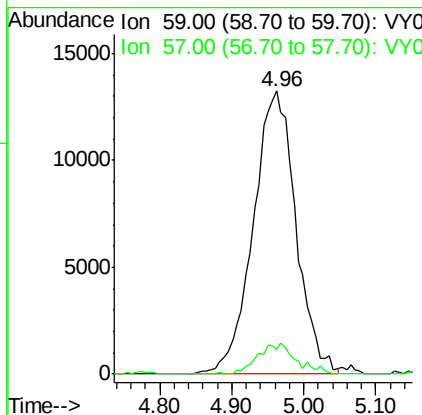
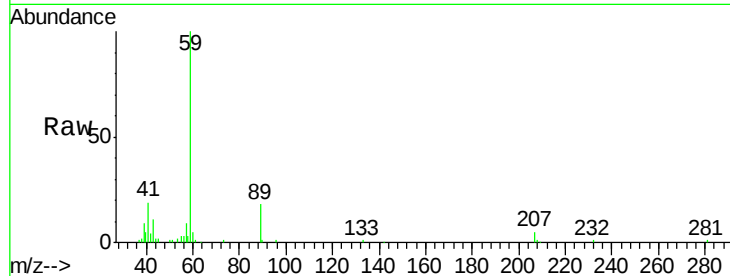
Tert butyl alcohol
 Concen: 118.803 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0803SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

Manual Integrations
 APPROVED

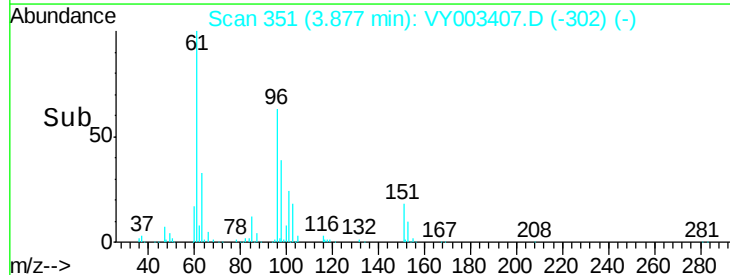
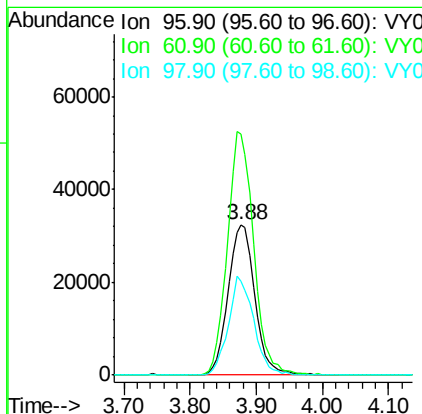
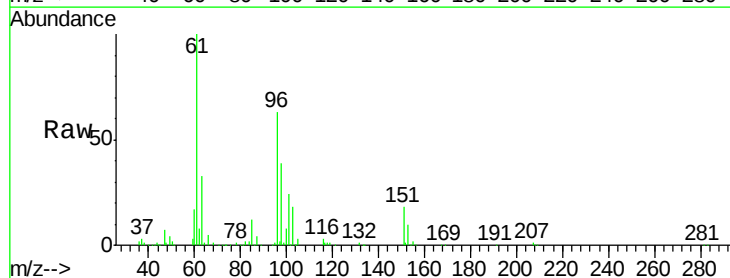
MMDadoda
 8/4/2020 1:51:09 PM

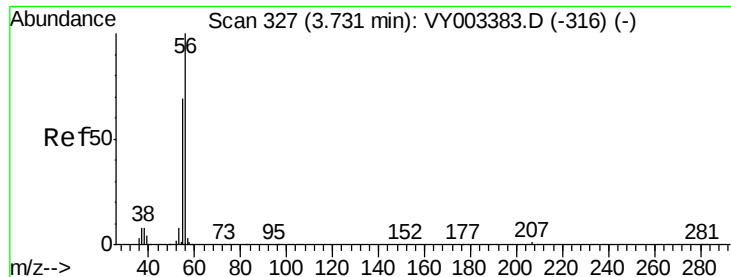


#12

1,1-Dichloroethene
 Concen: 21.698 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	124.7	187.1
98	62.5	47.4	71.2





#13

Acrolein

Concen: 105.622 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion: 56 Resp: 50300

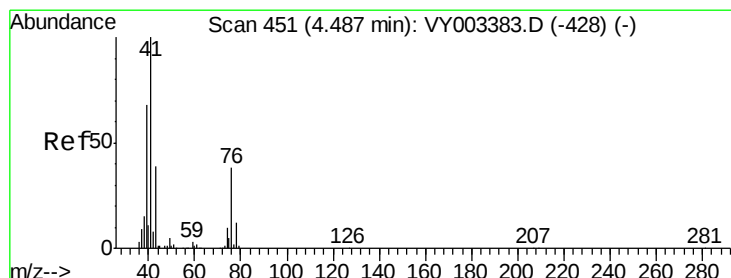
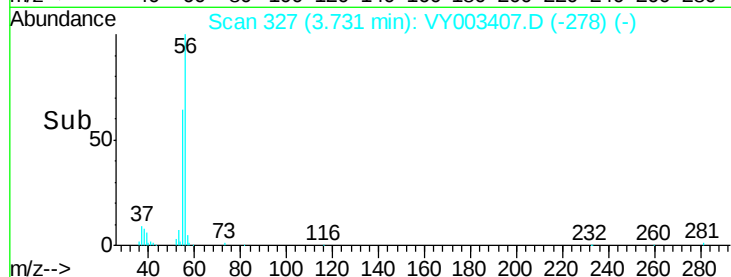
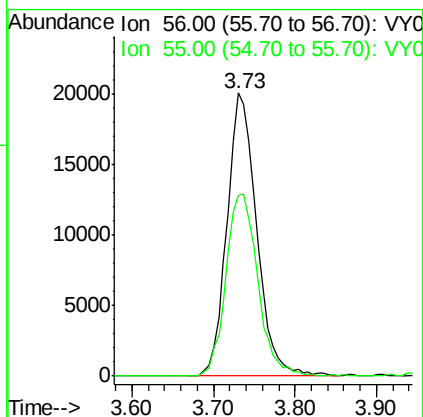
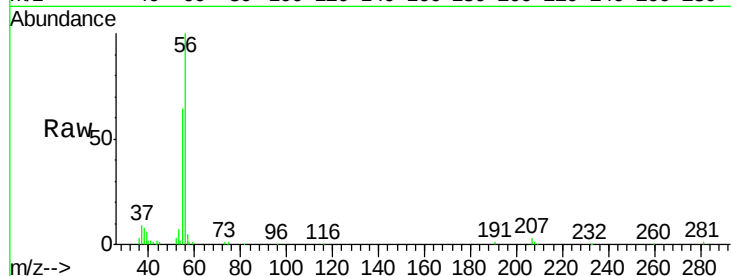
Ion Ratio Lower Upper

56 100

55 69.2 55.5 83.3

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 21.027 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

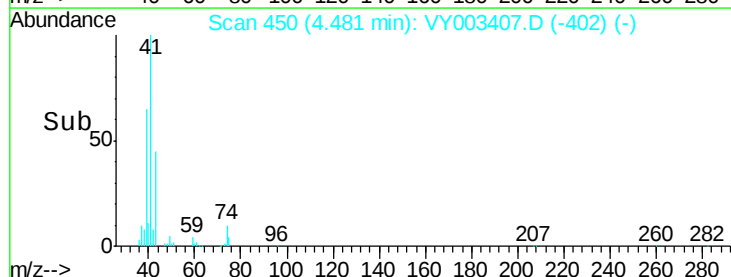
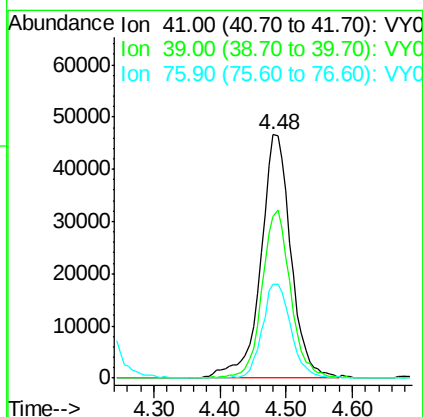
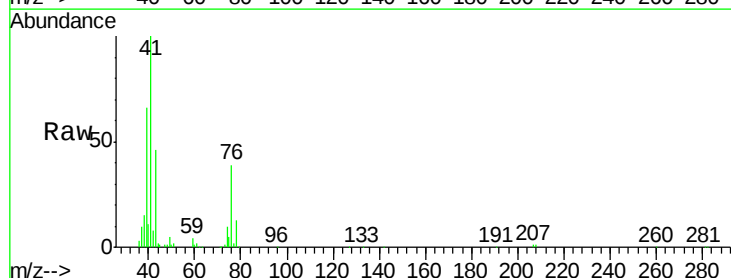
Tgt Ion: 41 Resp: 147633

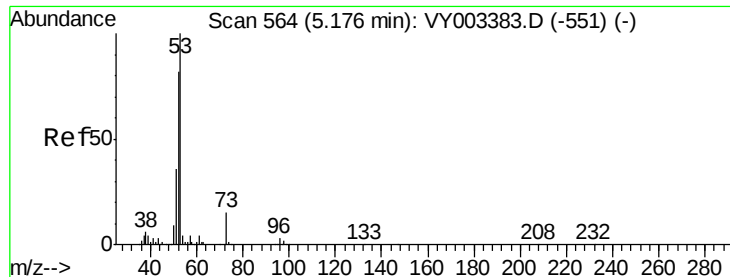
Ion Ratio Lower Upper

41 100

39 65.4 52.7 79.1

76 36.7 29.8 44.6





#15

Acrylonitrile

Concen: 109.146 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

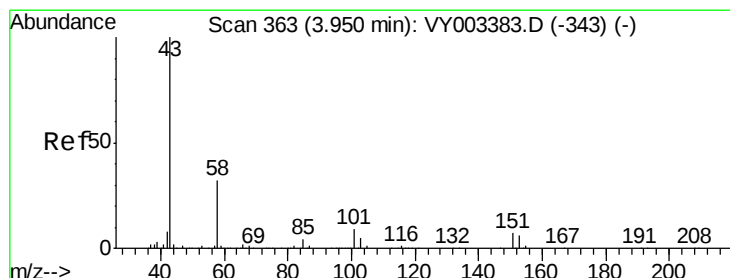
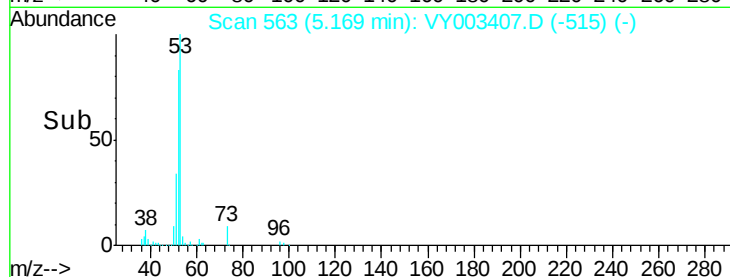
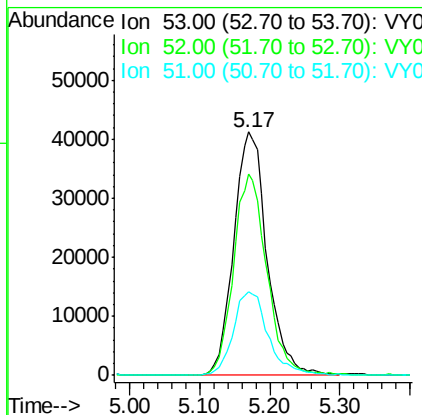
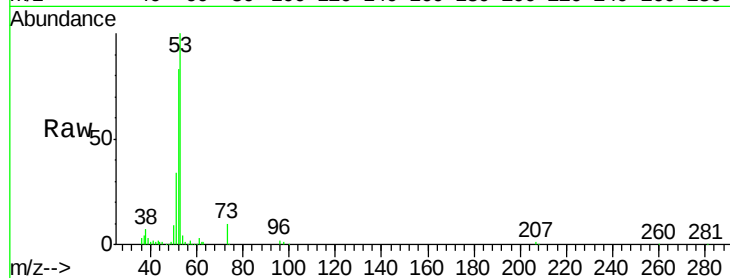
ClientSampleId :

VY0803SBS01

Tot Ion:	53	Resp:	136419
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.0	100.6
51	35.9	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 103.529 ug/l

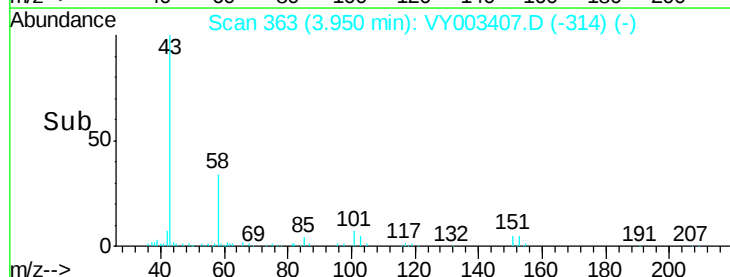
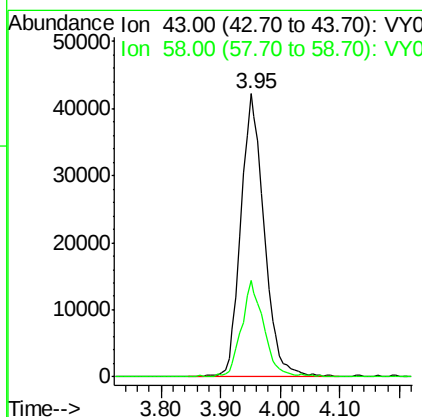
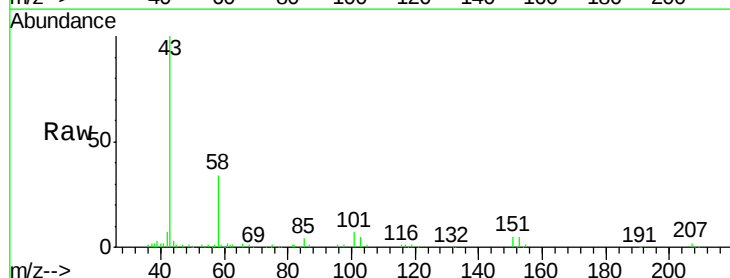
RT: 3.95 min Scan# 363

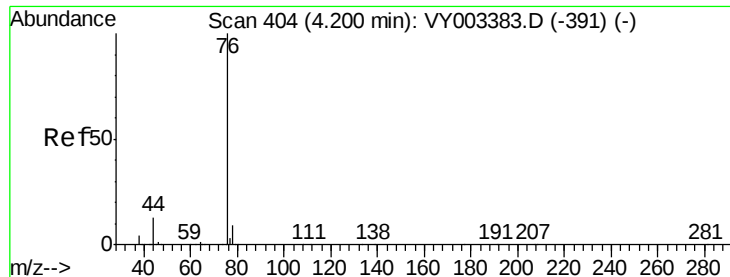
Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Tgt Ion:	43	Resp:	115742
Ion	Ratio	Lower	Upper
43	100		
58	34.2	25.4	38.2





#17

Carbon Disulfide

Concen: 21.308 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion: 76 Resp: 291187

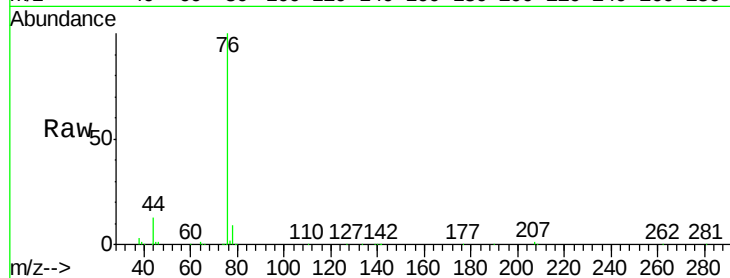
Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

Manual Integrations
APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

120000

100000

80000

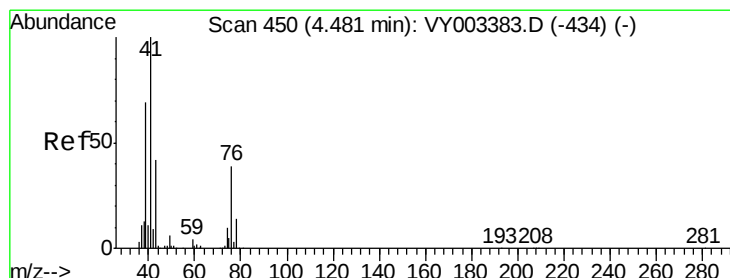
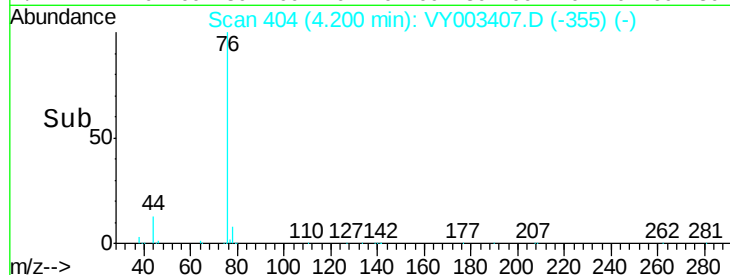
60000

40000

20000

0

Time--> 4.00 4.10 4.20 4.30 4.40



#18

Methyl Acetate

Concen: 21.572 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY003407.D

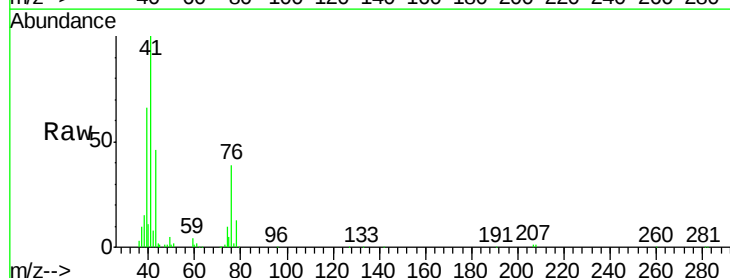
Acq: 03 Aug 2020 11:16

Tgt Ion: 43 Resp: 63627

Ion Ratio Lower Upper

43 100

74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

25000

20000

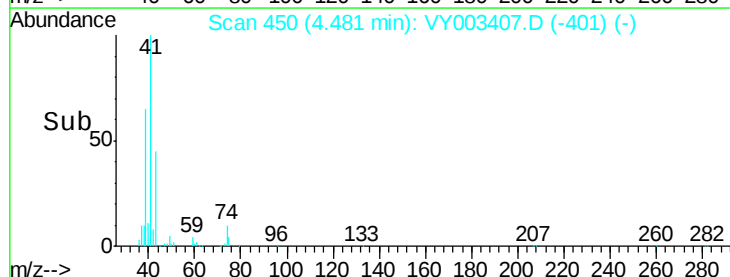
15000

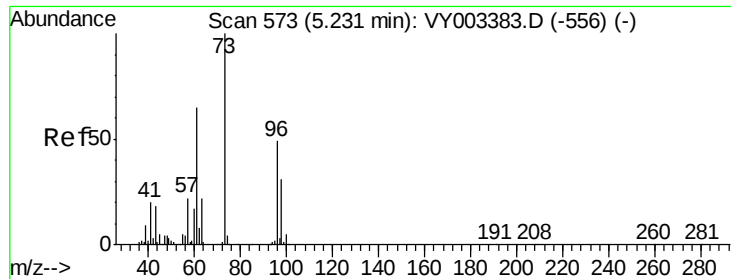
10000

5000

0

Time--> 4.40 4.50 4.60





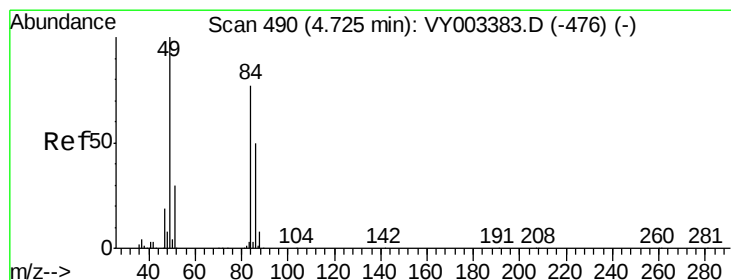
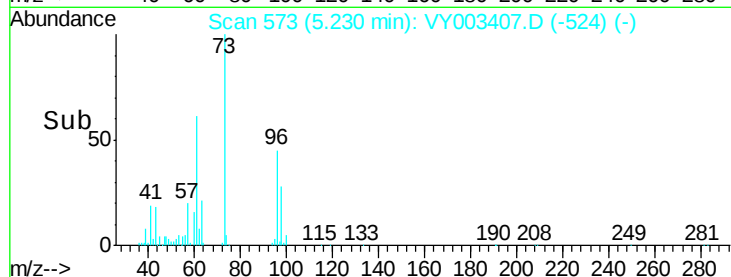
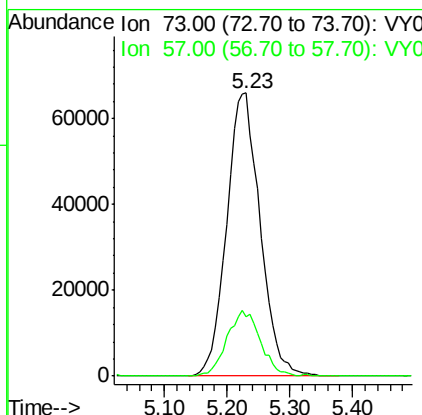
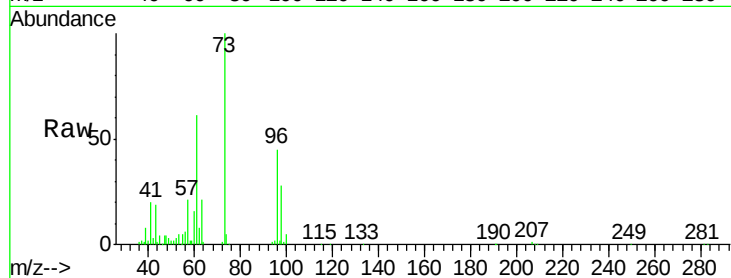
#19
Methyl tert-butyl Ether
Concen: 20.942 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.8	26.8

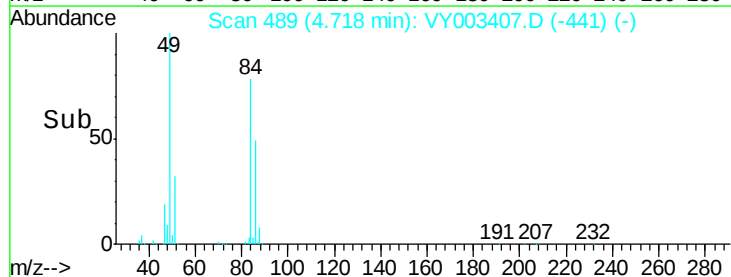
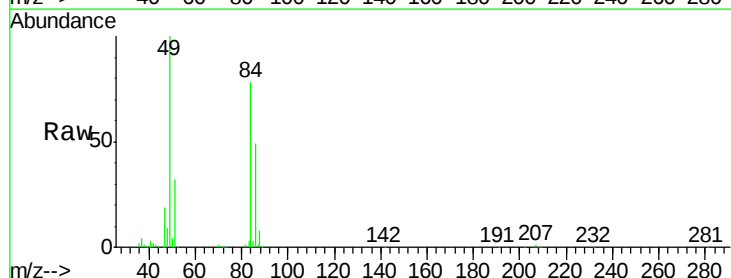
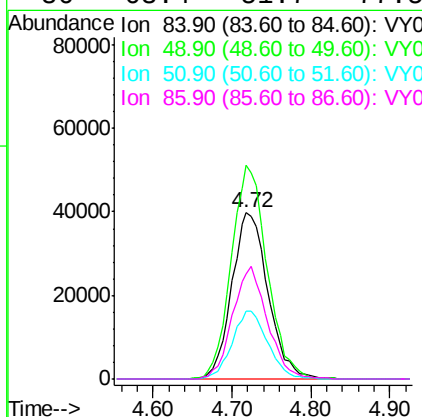
Manual Integrations
APPROVED

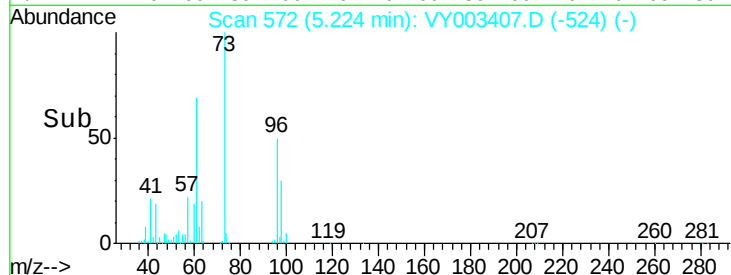
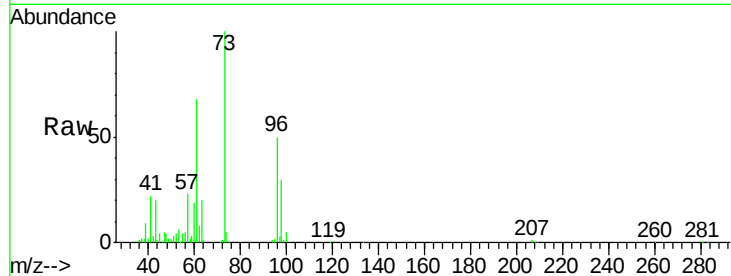
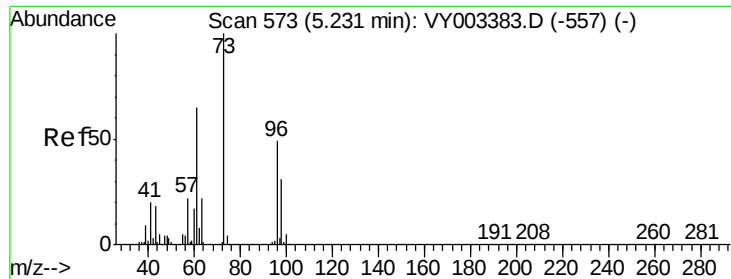
MMDadoda
8/4/2020 1:51:09 PM



#20
Methylene Chloride
Concen: 16.804 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.5	104.2	156.4
51	40.6	31.5	47.3
86	63.4	51.7	77.5





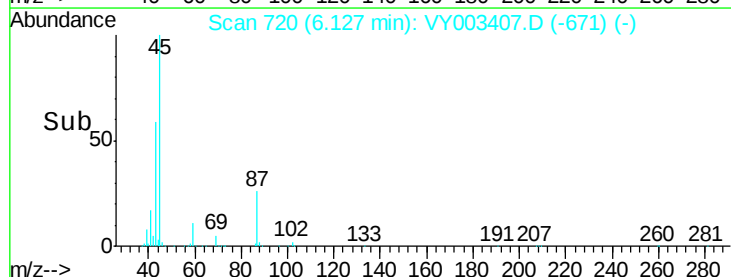
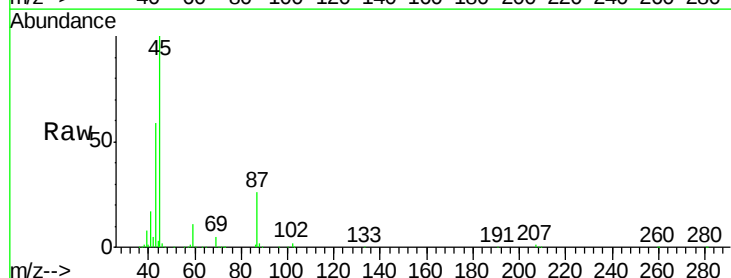
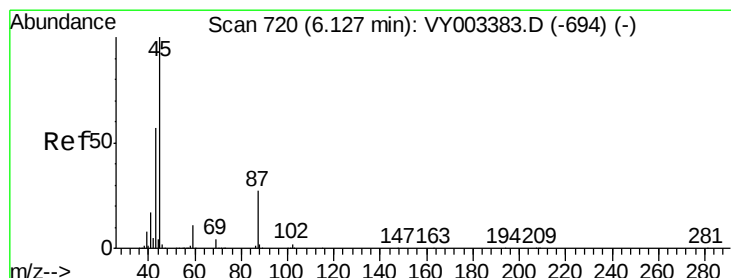
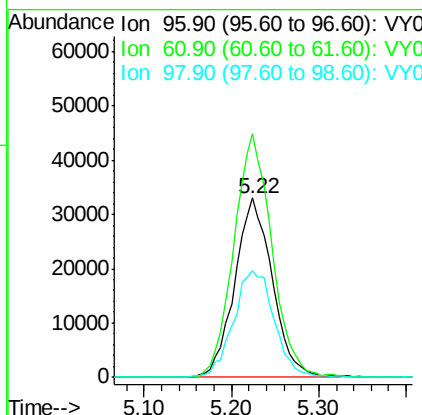
#21
trans-1,2-Dichloroethene
Concen: 20.888 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	106.3	159.5
98	59.4	50.8	76.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

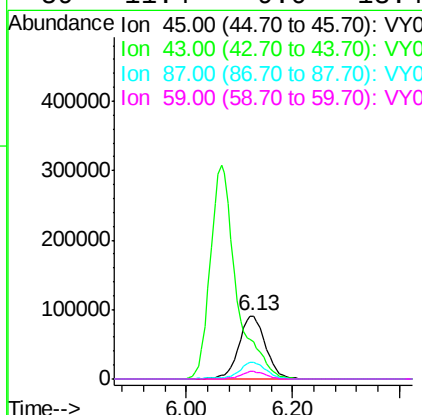
Manual Integrations
APPROVED

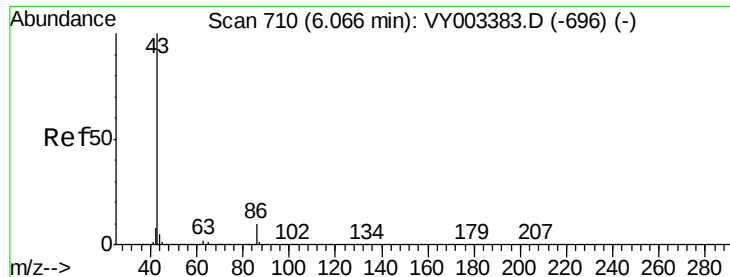
MMDadoda
8/4/2020 1:51:09 PM



#22
Diisopropyl ether
Concen: 21.329 ug/l
RT: 6.13 min Scan# 720
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	45.6	68.4
87	25.9	21.3	31.9
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 107.723 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion: 43 Resp: 1040995

Ion Ratio Lower Upper

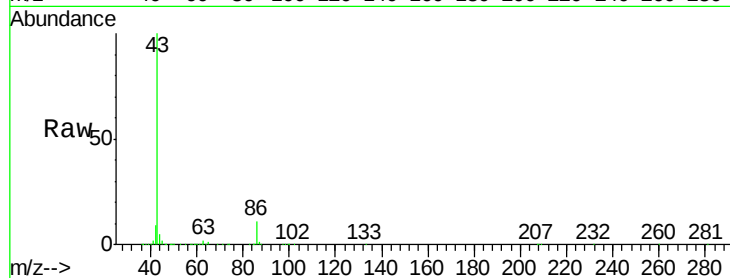
43 100

86 11.0 8.0 12.0

Manual Integrations
APPROVED

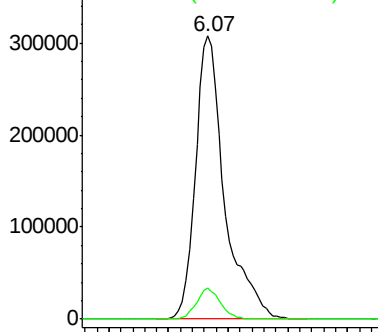
MMDadoda

8/4/2020 1:51:09 PM

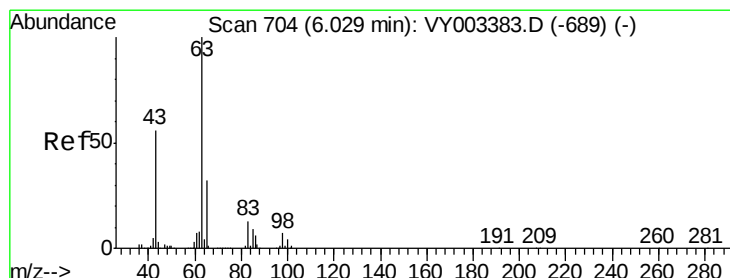
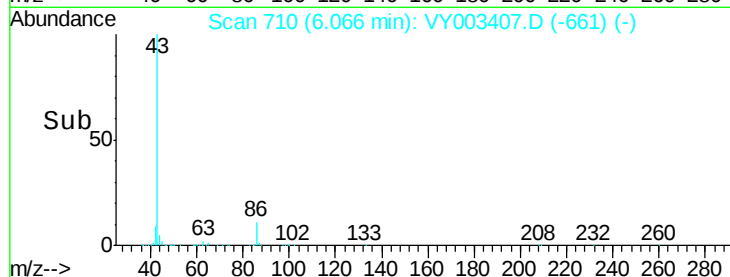


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 20.915 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

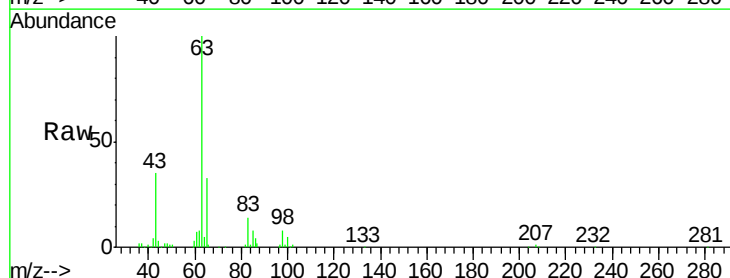
Tgt Ion: 63 Resp: 172887

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.6

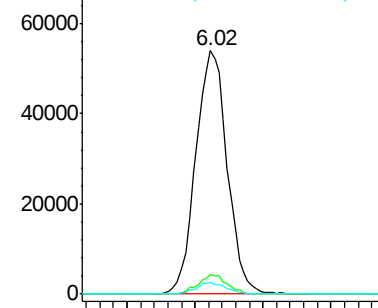
100 4.8 2.2 6.6



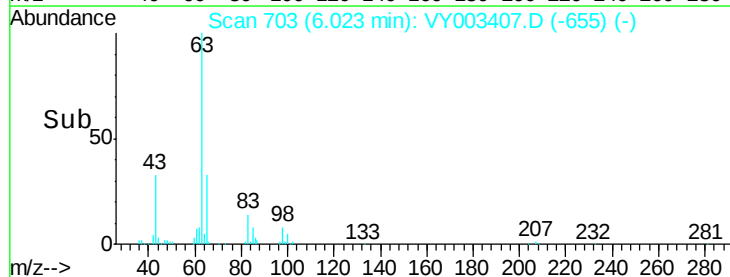
Abundance Ion 62.90 (62.60 to 63.60): VY0

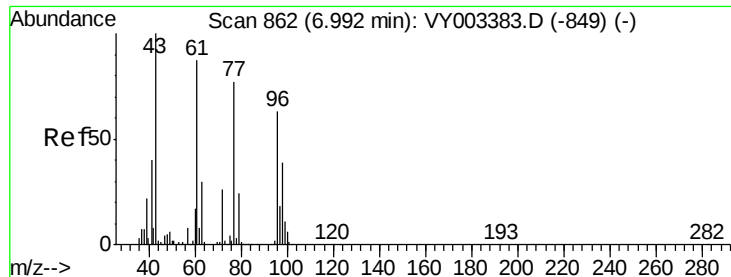
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->





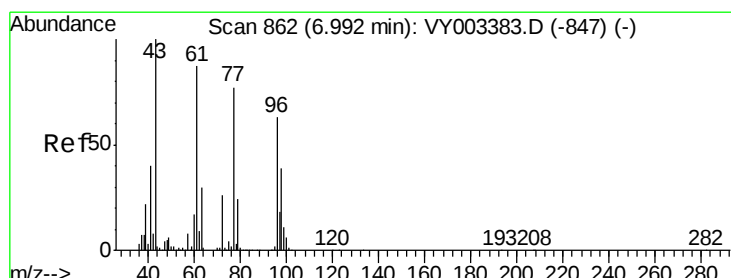
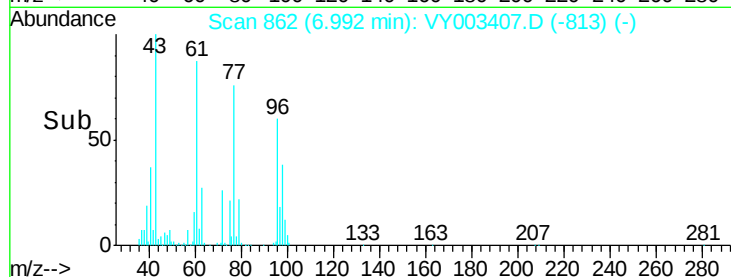
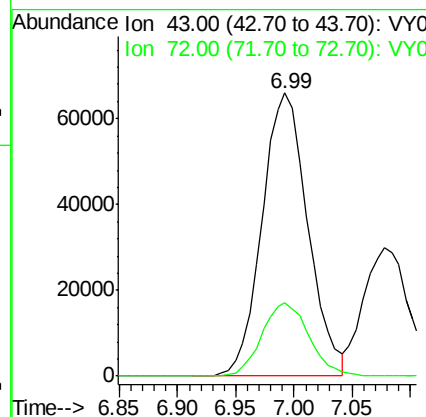
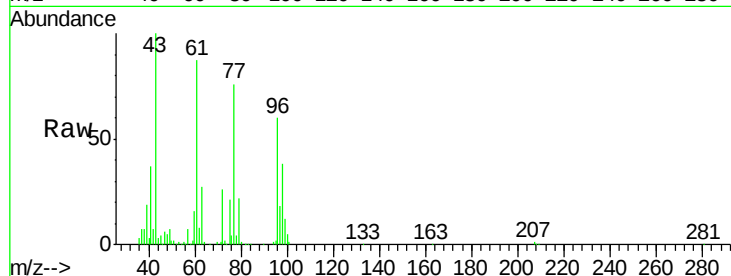
#25
2-Butanone
Concen: 105.559 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	43	Resp	179840
Ion Ratio	Lower	Upper	
43	100		
72	26.0	21.1	31.7

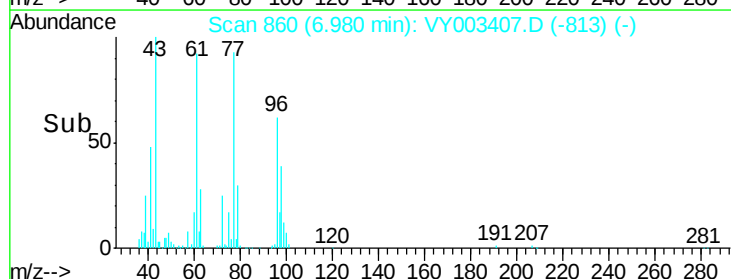
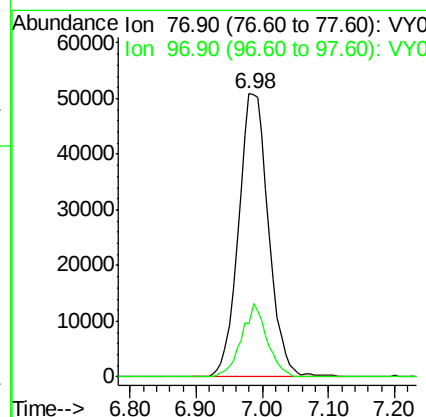
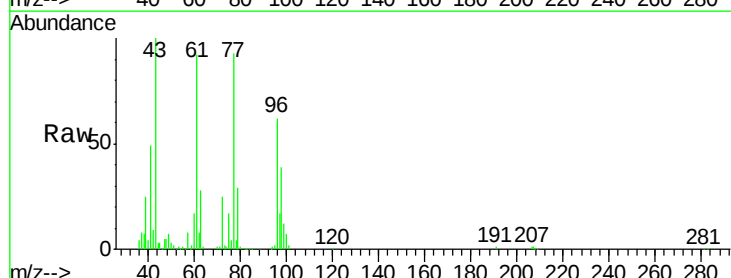
Manual Integrations
APPROVED

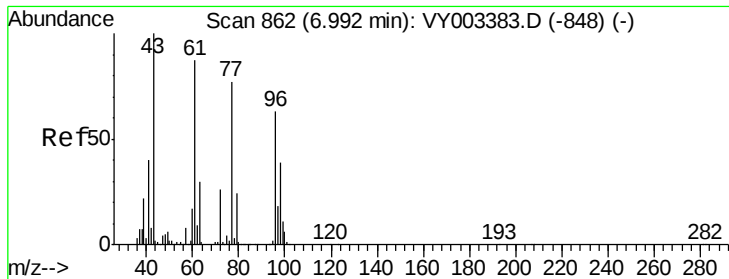
MMDadoda
8/4/2020 1:51:09 PM



#26
2,2-Dichloropropane
Concen: 21.661 ug/l
RT: 6.98 min Scan# 860
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	77	Resp	159770
Ion Ratio	Lower	Upper	
77	100		
97	22.1	11.3	33.8





#27

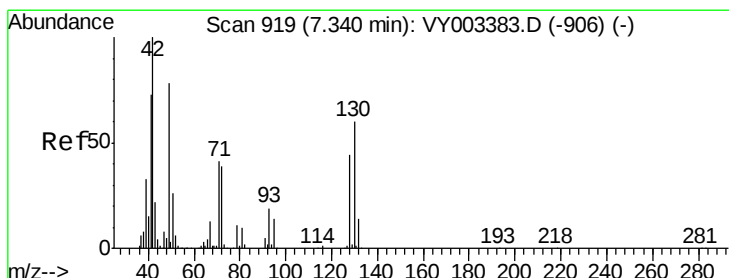
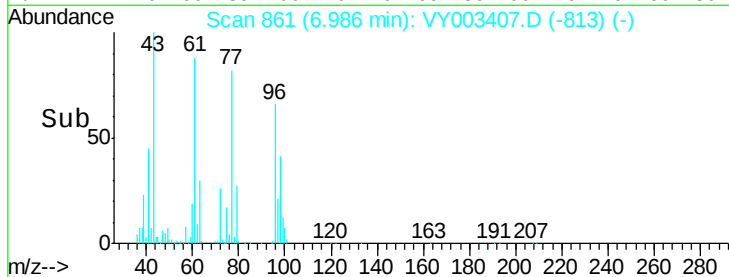
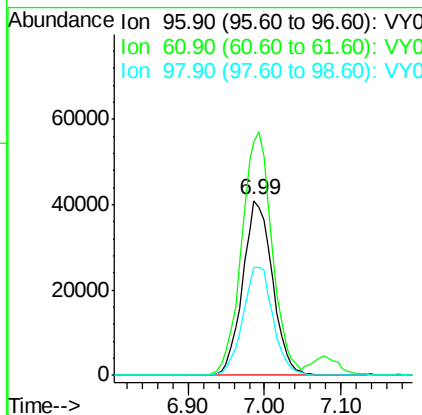
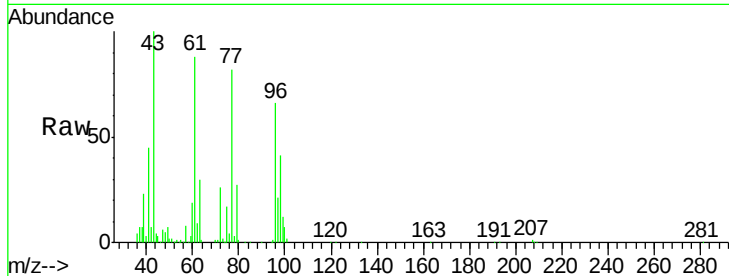
cis-1,2-Dichloroethene
Concen: 21.305 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.9	0.0	290.0	
98	62.9	0.0	129.0	

Manual Integrations
APPROVED

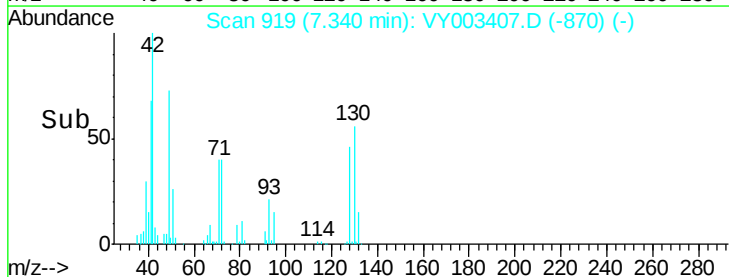
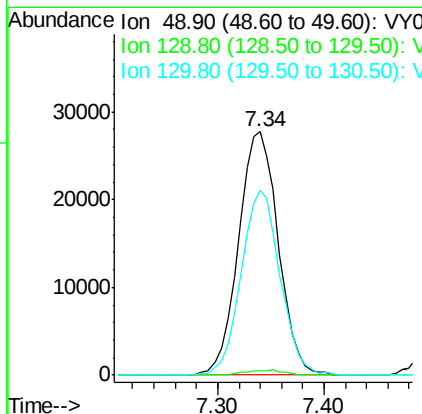
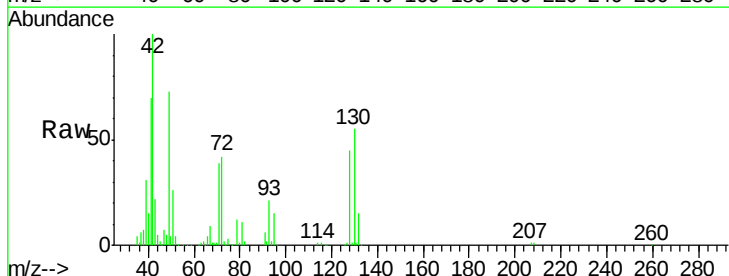
MMDadoda
8/4/2020 1:51:09 PM

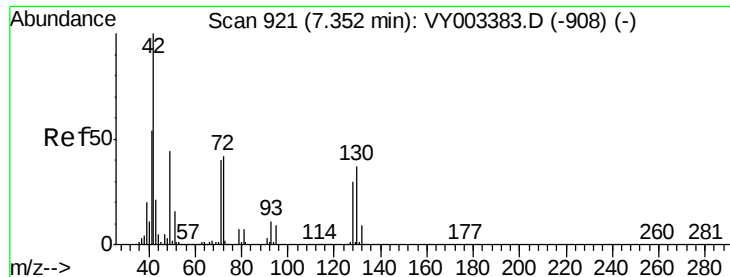


#28

Bromochloromethane
Concen: 22.548 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.4	
130	74.7	60.3	90.5	





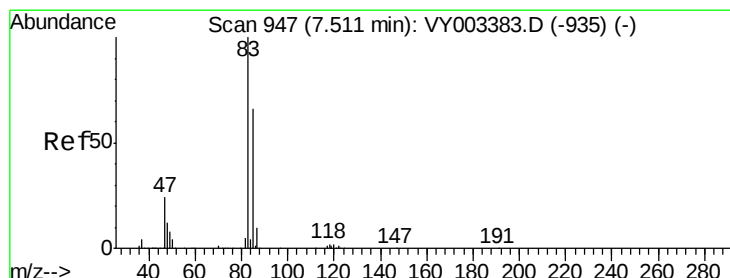
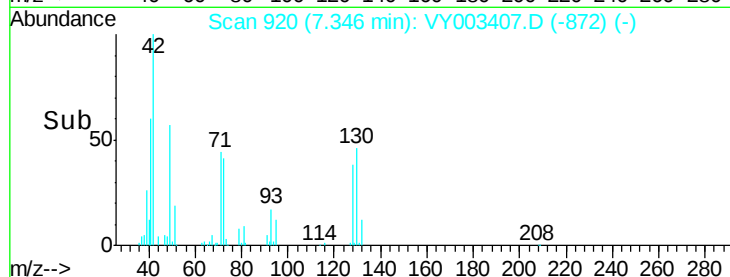
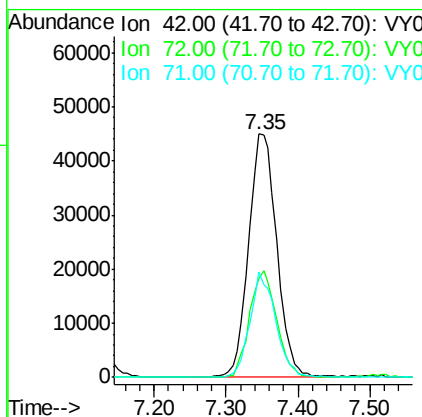
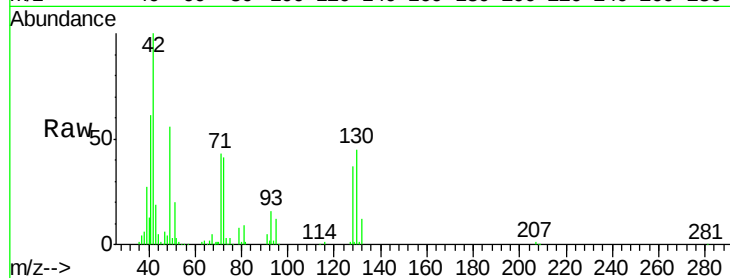
#29
Tetrahydrofuran
Concen: 110.348 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.5	50.3
71	39.6	32.1	48.1

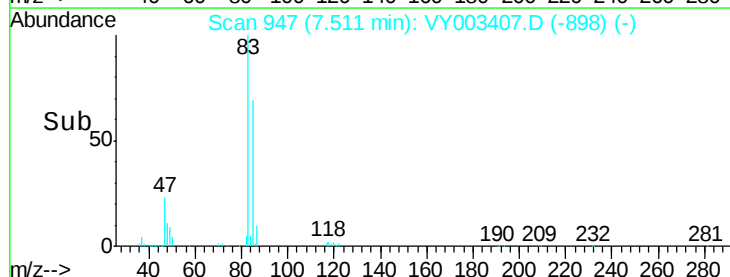
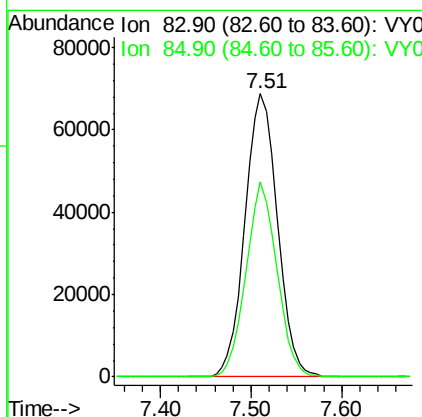
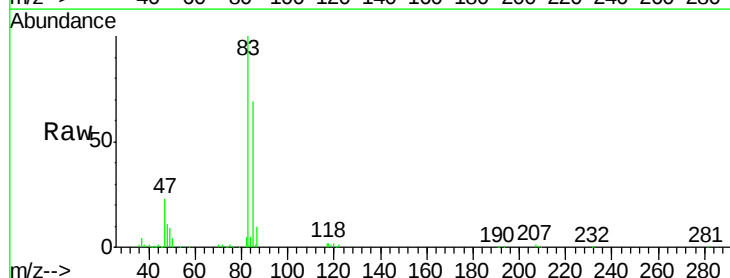
Manual Integrations
APPROVED

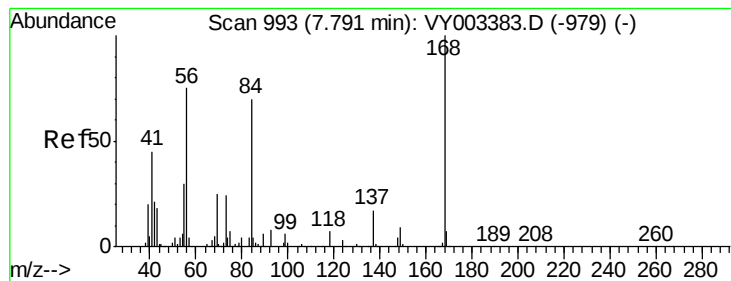
MMDadoda
8/4/2020 1:51:09 PM



#30
Chloroform
Concen: 20.867 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	52.5	78.7





#31

Cyclohexane

Concen: 20.528 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

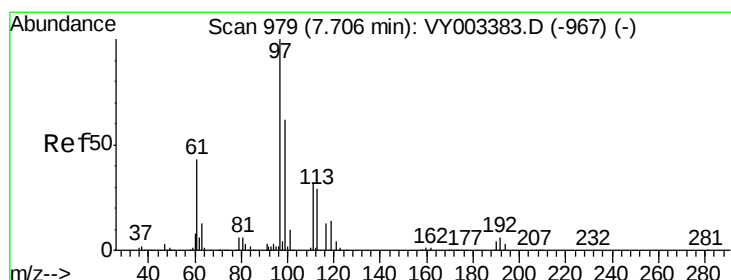
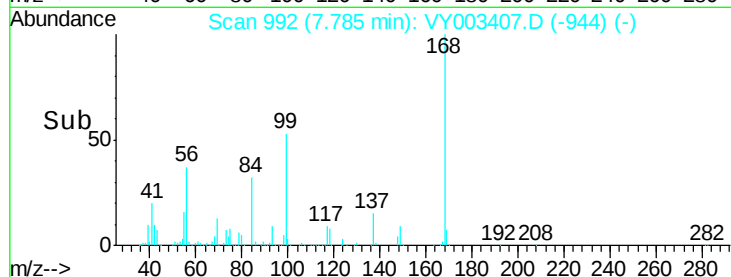
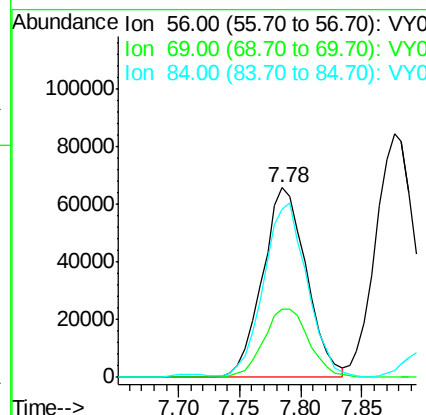
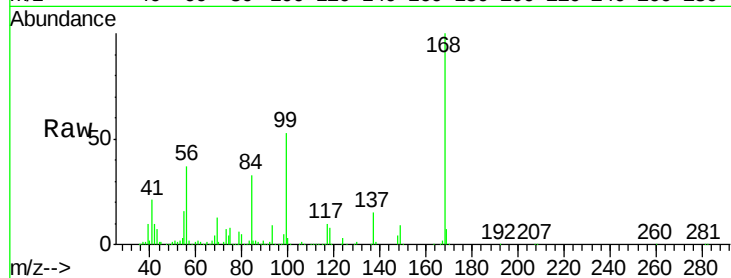
ClientSampleId :

VY0803SBS01

Tot Ion:	56	Resp:	164647
Ion	Ratio	Lower	Upper
56	100		
69	36.0	26.1	39.1
84	87.5	73.9	110.9

Manual Integrations
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8/4/2020 1:51:09 PM



#32

1,1,1-Trichloroethane

Concen: 21.025 ug/l

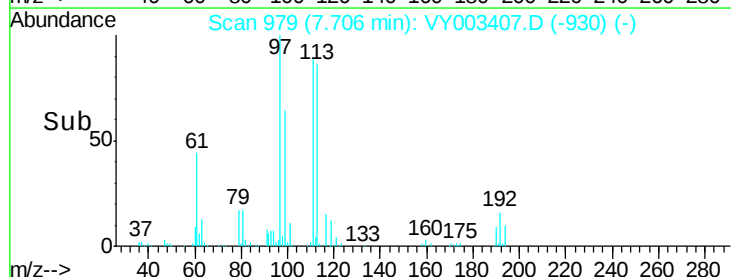
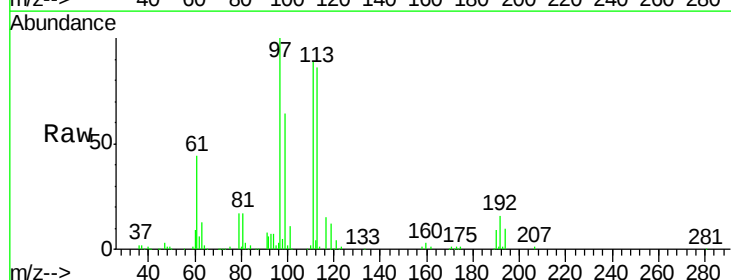
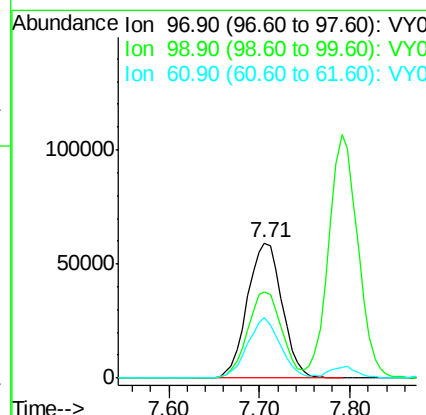
RT: 7.71 min Scan# 979

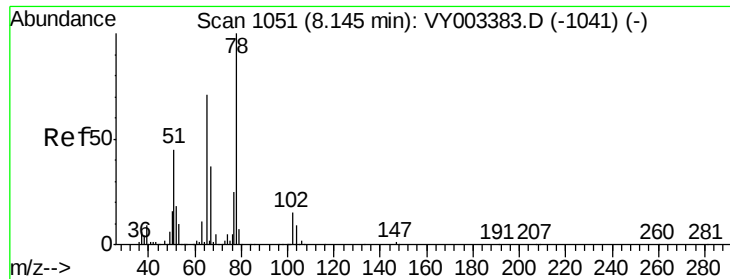
Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Tgt Ion:	97	Resp:	157283
Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.9	76.3
61	41.9	33.7	50.5





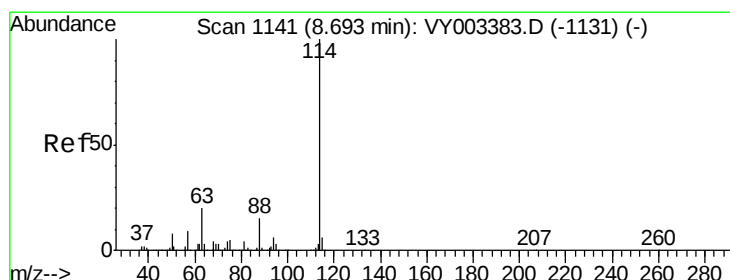
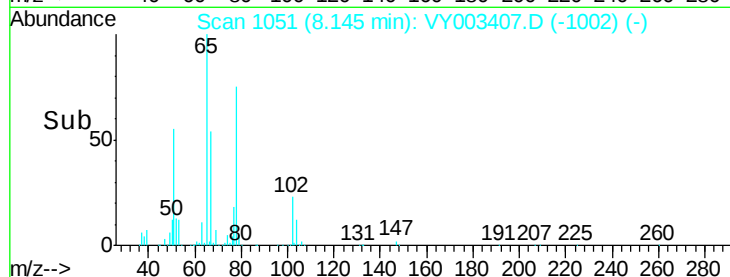
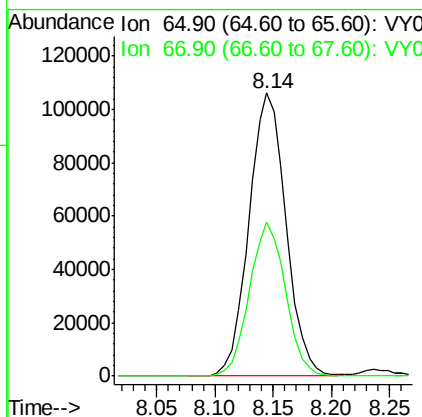
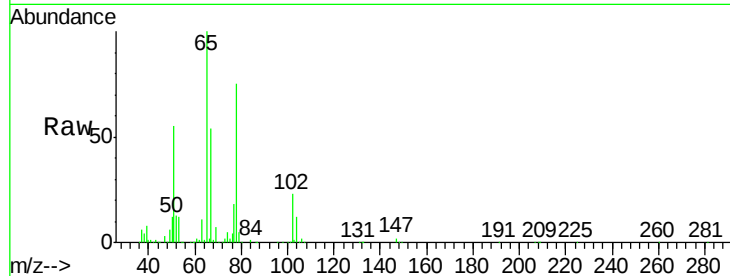
#33
 1,2-Dichloroethane-d4
 Concen: 51.810 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0803SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.6

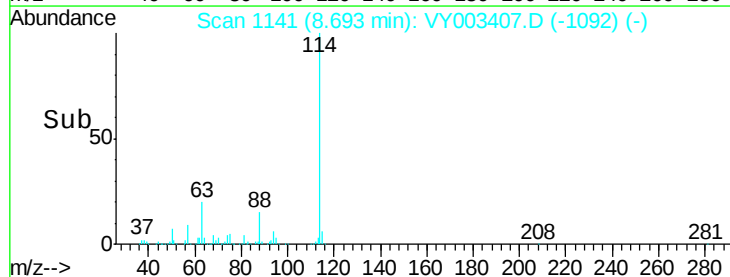
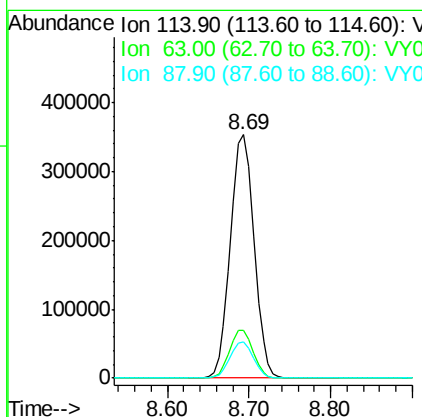
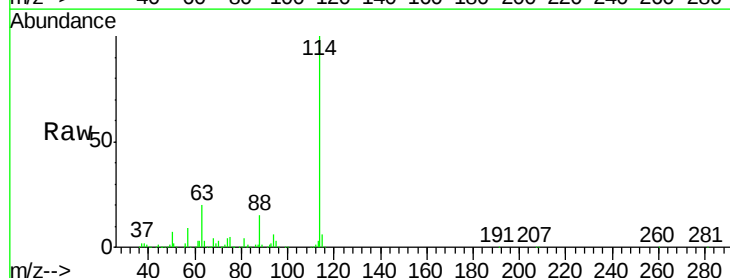
Manual Integrations
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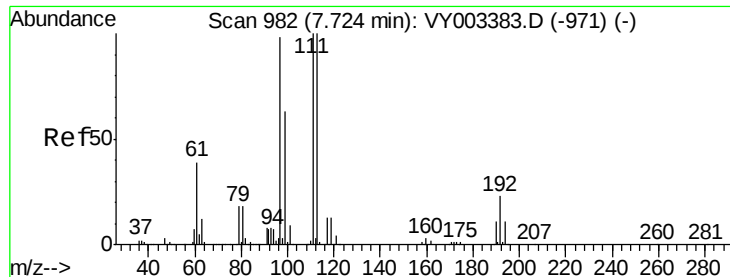
MMDadoda
 8/4/2020 1:51:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.6
88	14.7	0.0	29.2





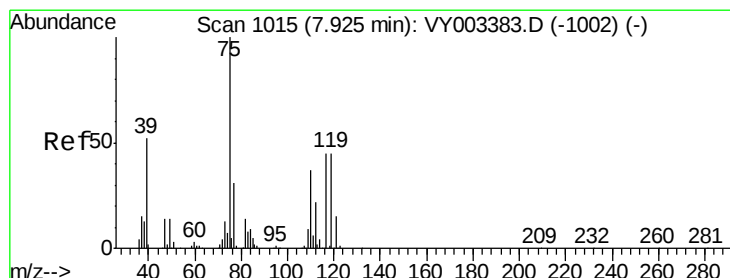
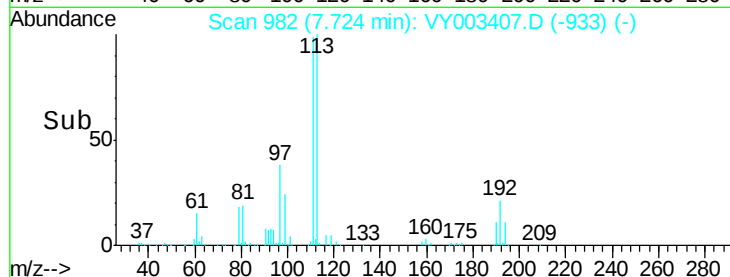
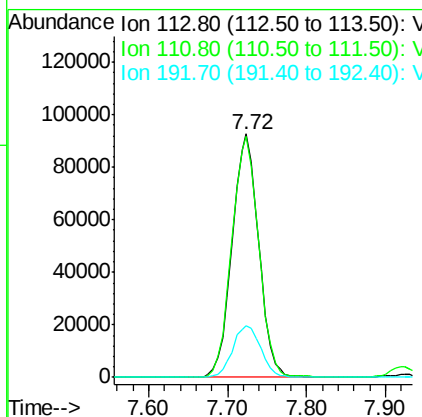
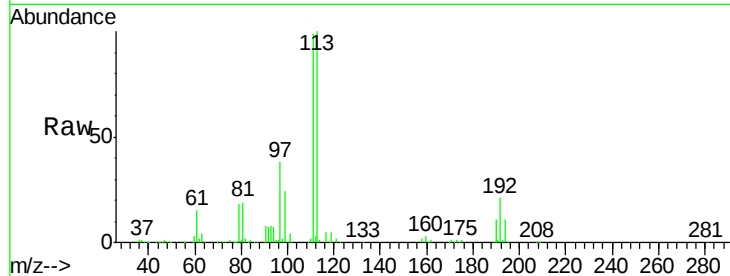
#35
 Dibromofluoromethane
 Concen: 52.079 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	216782		
111	100.6	83.0	124.4	
192	22.3	18.8	28.2	

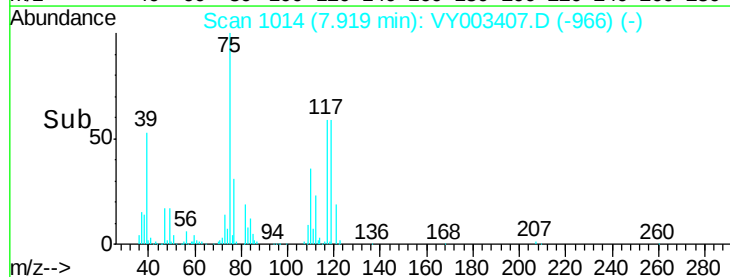
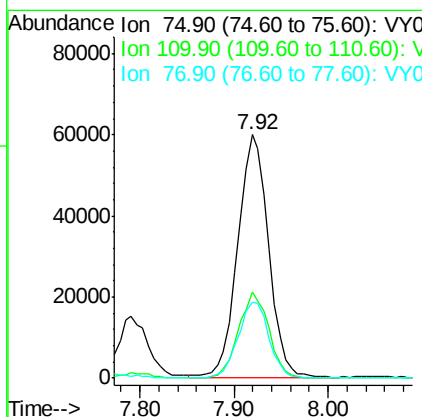
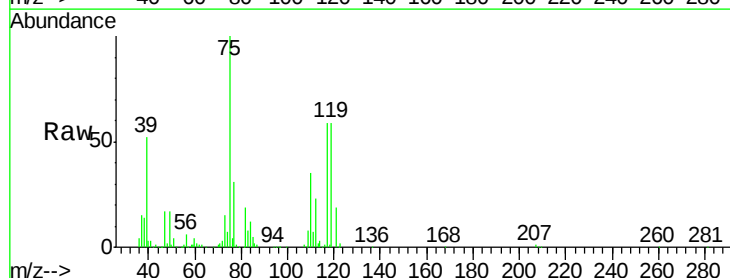
Manual Integrations
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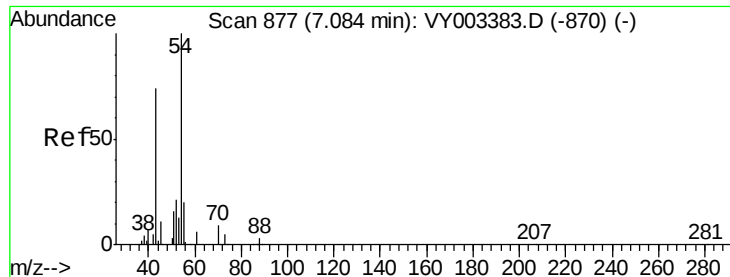
MMDadoda
 8/4/2020 1:51:09 PM



#36
 1,1-Dichloropropene
 Concen: 20.398 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136400		
110	34.9	17.8	53.5	
77	31.7	24.6	36.8	





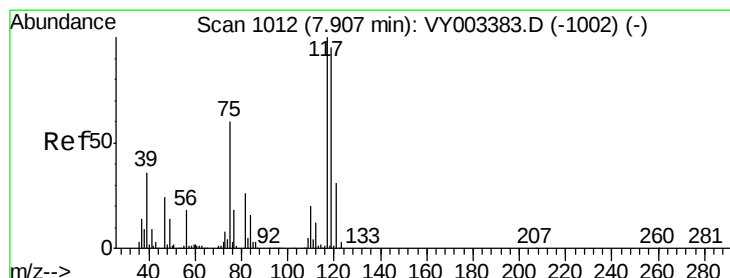
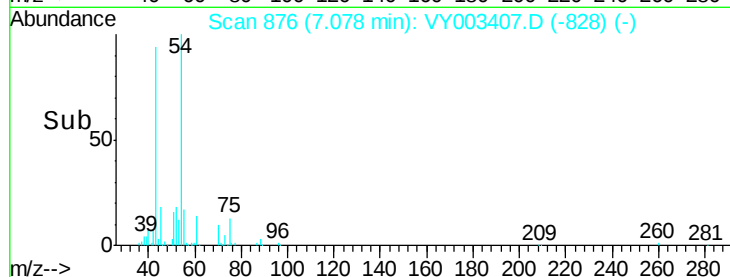
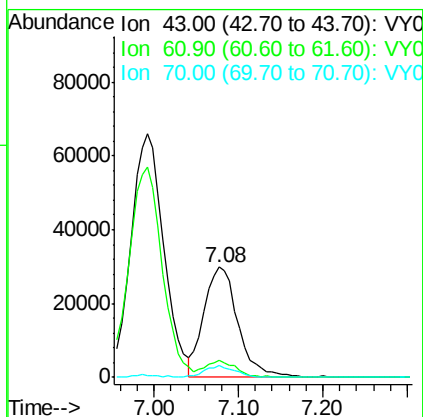
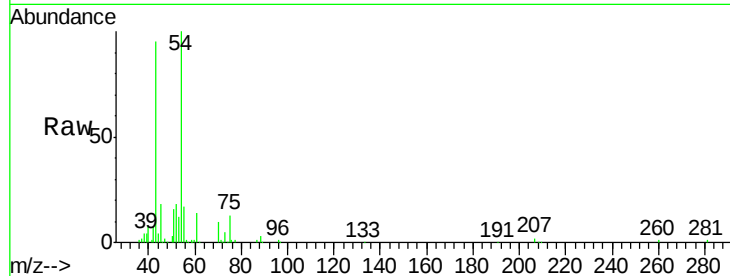
#37
Ethyl Acetate
Concen: 21.867 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.2	16.8
70	9.5	7.7	11.5

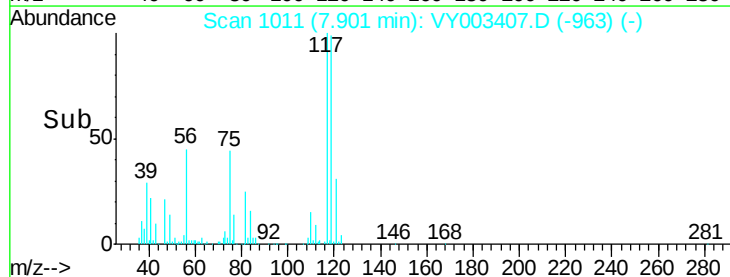
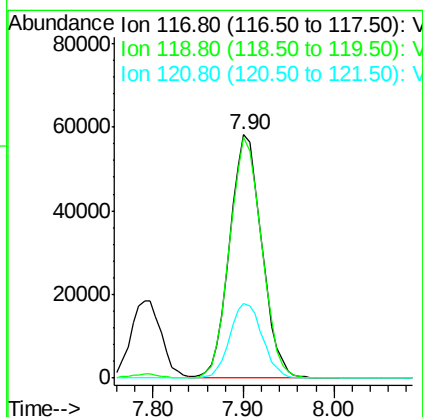
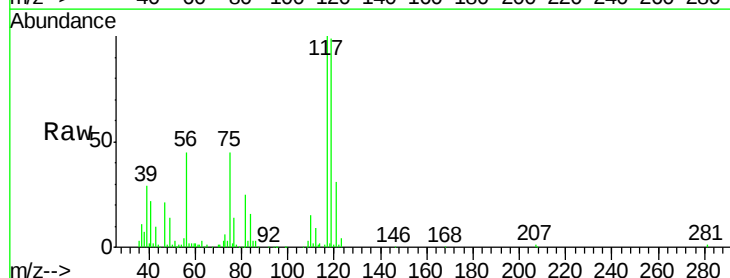
Manual Integrations
APPROVED

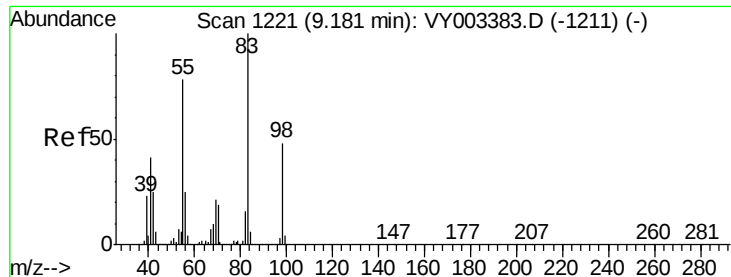
MMDadoda
8/4/2020 1:51:09 PM



#38
Carbon Tetrachloride
Concen: 20.851 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.1	114.1
121	30.8	24.5	36.7





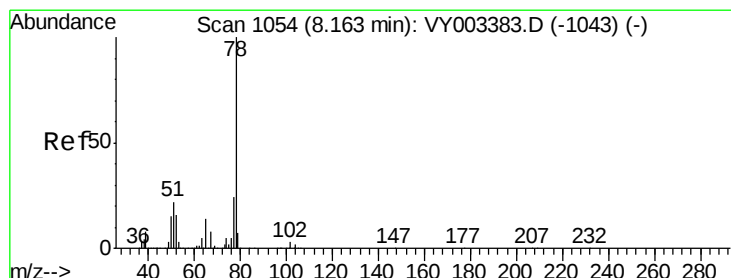
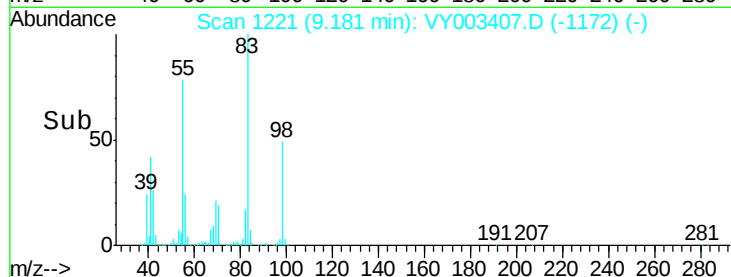
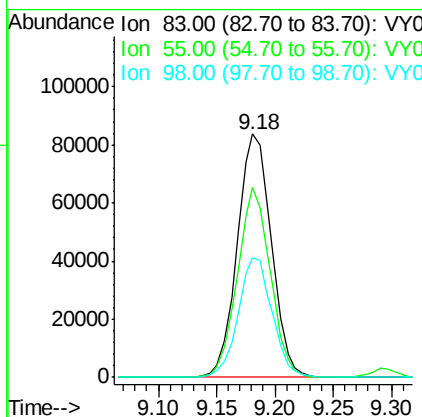
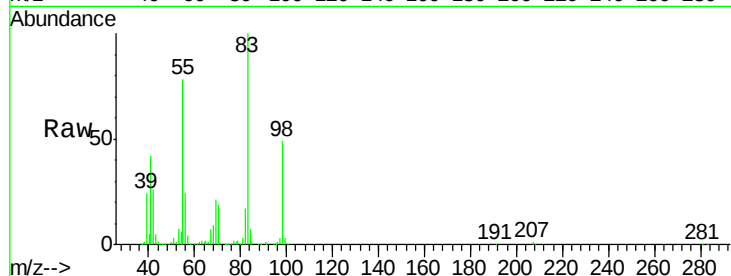
#39
Methvlcvclohexane
Concen: 20.957 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	170991		
55	78.2	62.2	93.4	
98	49.0	38.7	58.1	

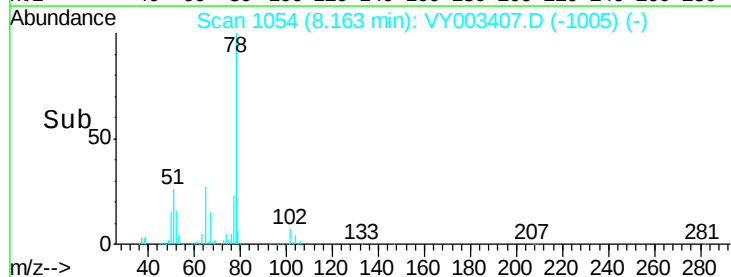
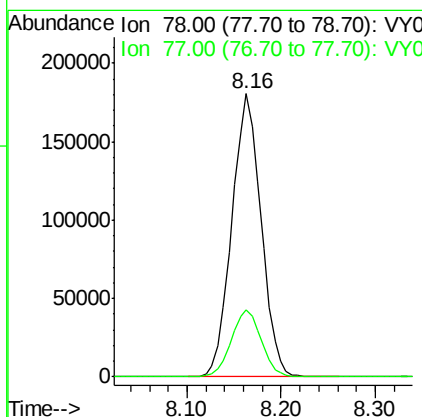
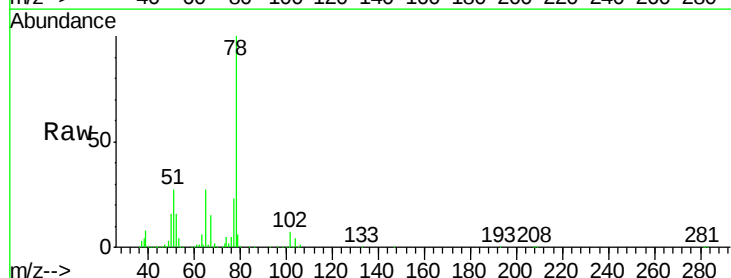
Manual Integrations
APPROVED

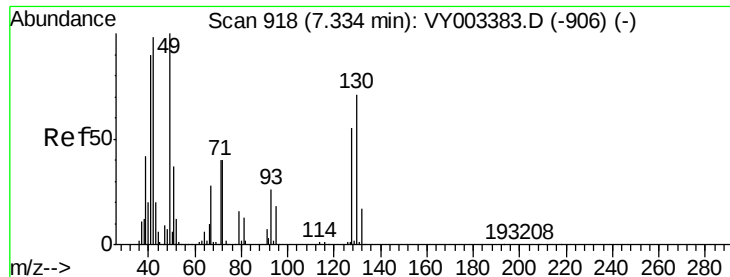
MMDadoda
8/4/2020 1:51:09 PM



#40
Benzene
Concen: 20.963 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	388952		
77	23.5	19.5	29.3	





#41

Methacrylonitrile

Concen: 20.992 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. -0.01 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion: 41 Resp: 45760

Ion Ratio Lower Upper

41 100

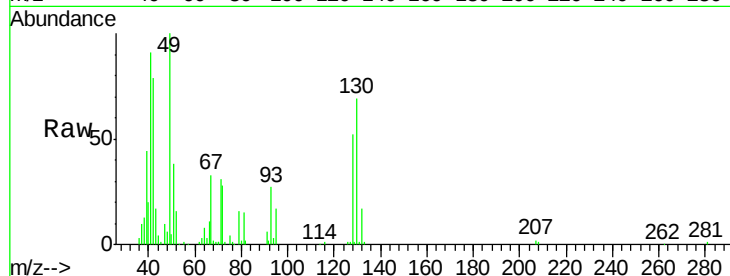
39 114.9 78.3 117.5

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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8/4/2020 1:51:09 PM

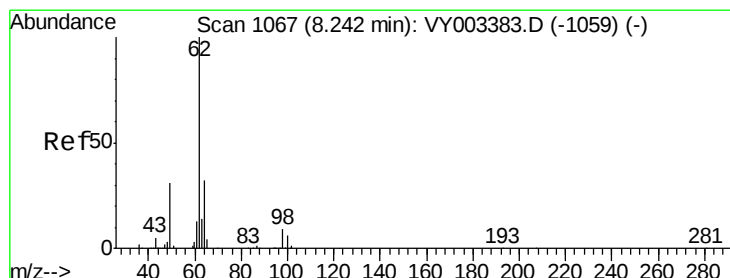
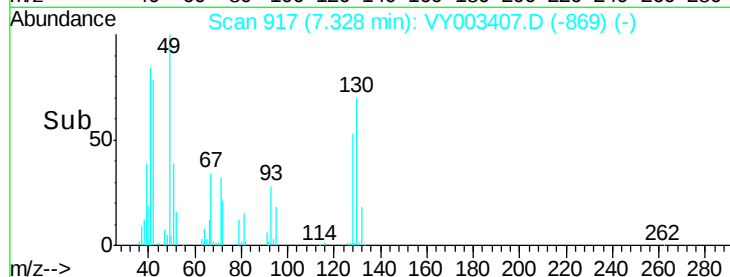
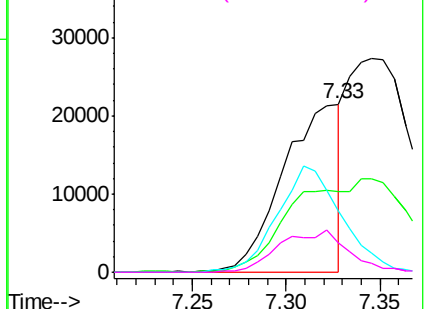


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 20.937 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003407.D

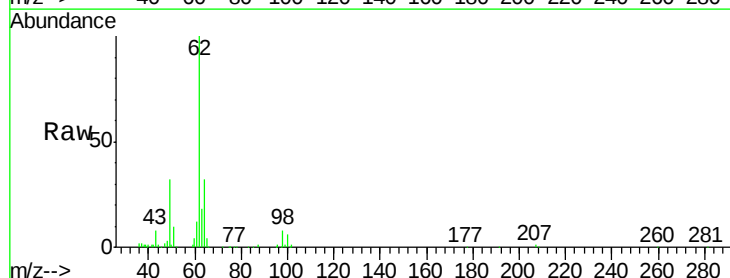
Acq: 03 Aug 2020 11:16

Tgt Ion: 62 Resp: 118313

Ion Ratio Lower Upper

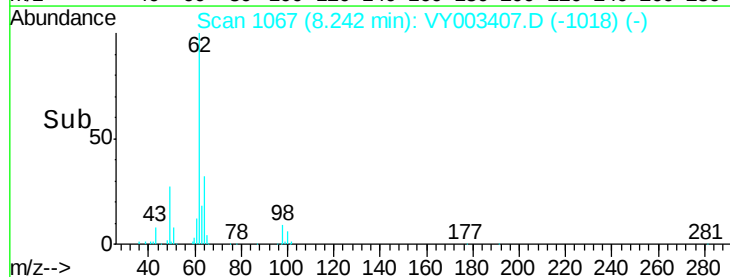
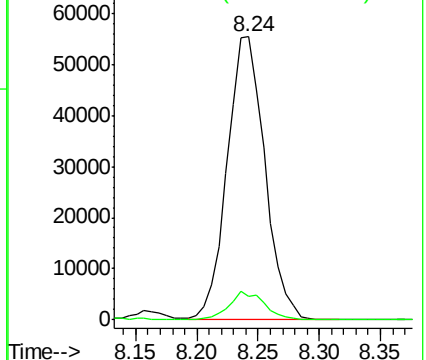
62 100

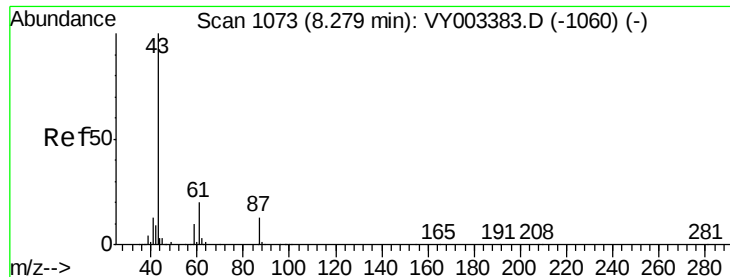
98 9.4 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





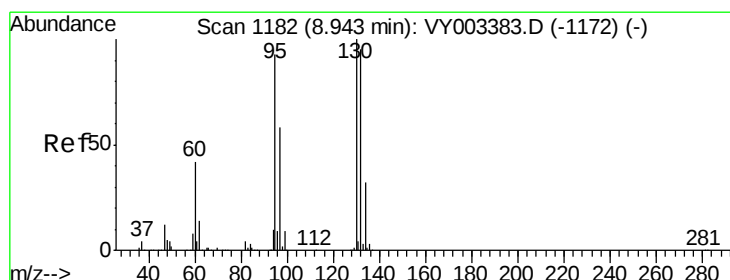
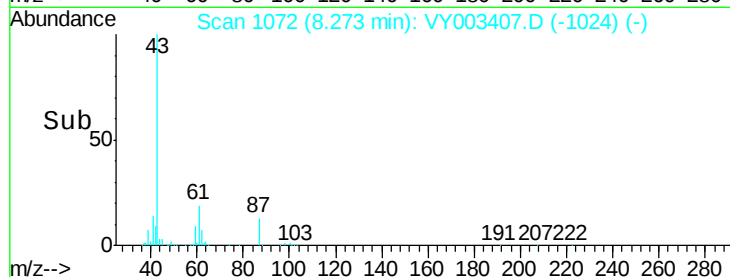
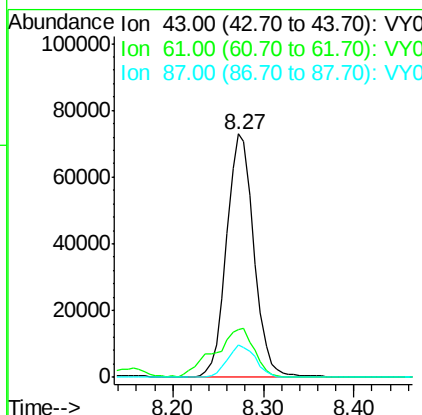
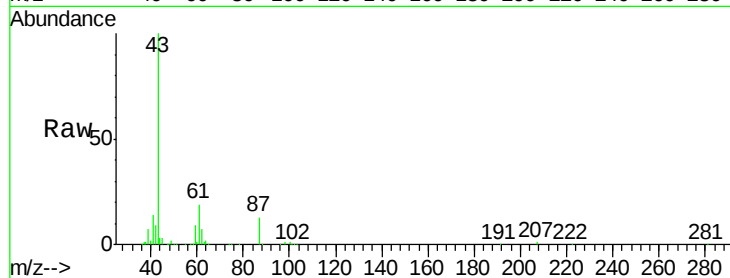
#43
Isopropyl Acetate
Concen: 21.117 ug/l
RT: 8.27 min Scan# 1072
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	151550		
61	29.5		23.0	34.4
87	13.7		10.5	15.7

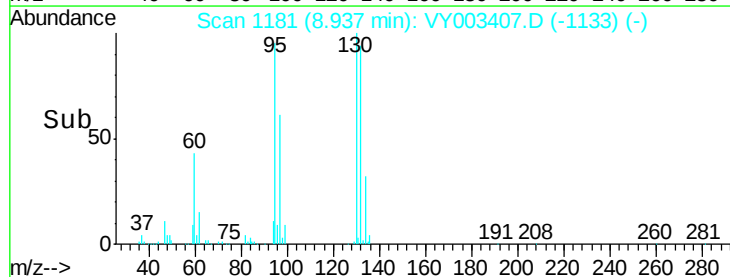
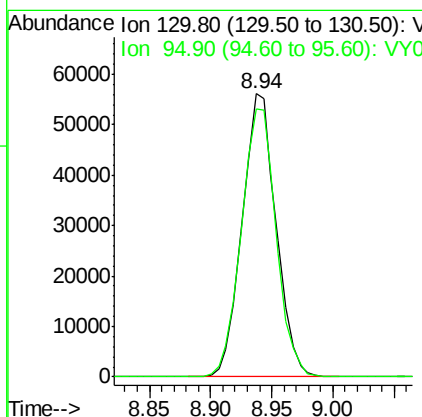
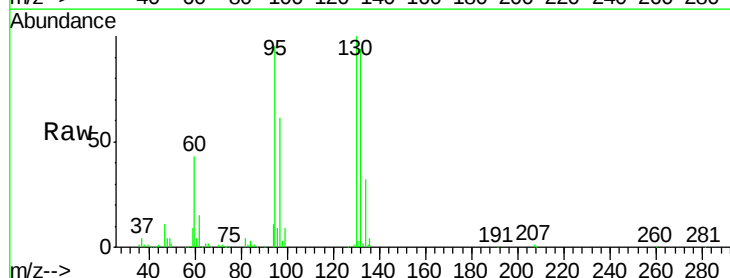
Manual Integrations
APPROVED

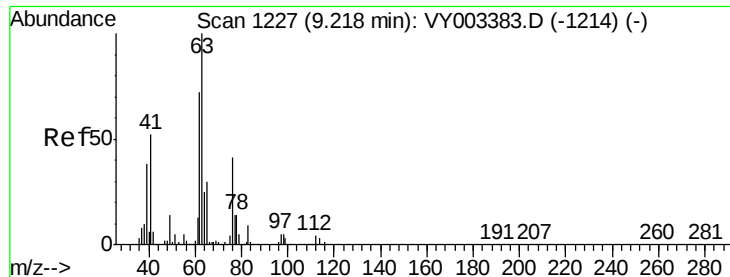
MMDadoda
8/4/2020 1:51:09 PM



#44
Trichloroethene
Concen: 20.311 ug/l
RT: 8.94 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	108381		
95	94.7		0.0	186.8





#45

1,2-Dichloropropane

Concen: 20.934 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion: 63 Resp: 101715

Ion Ratio Lower Upper

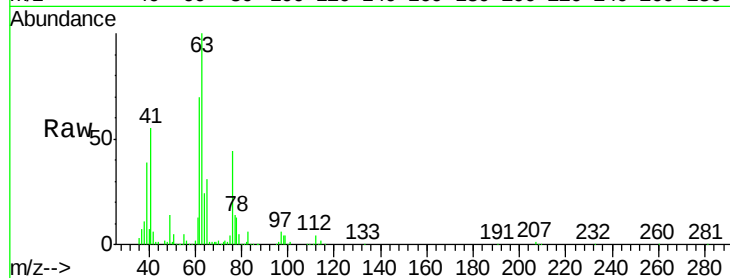
63 100

65 30.8 23.8 35.8

Manual Integrations
APPROVED

MMDadoda

8/4/2020 1:51:09 PM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.22

60000

50000

40000

30000

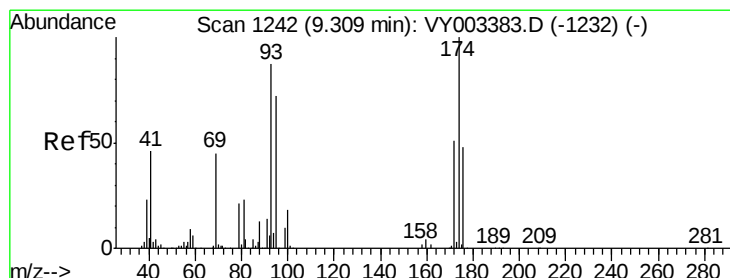
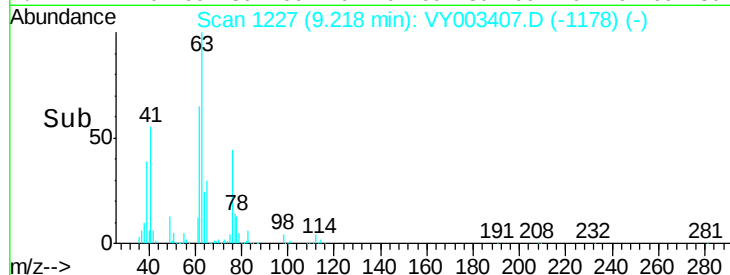
20000

10000

0

9.10 9.15 9.20 9.25 9.30

Time-->



#46

Dibromomethane

Concen: 21.151 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

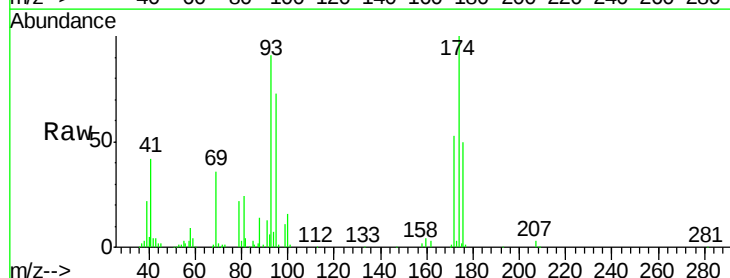
Tgt Ion: 93 Resp: 57660

Ion Ratio Lower Upper

93 100

95 80.2 65.4 98.0

174 108.0 88.6 133.0



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): V

40000

30000

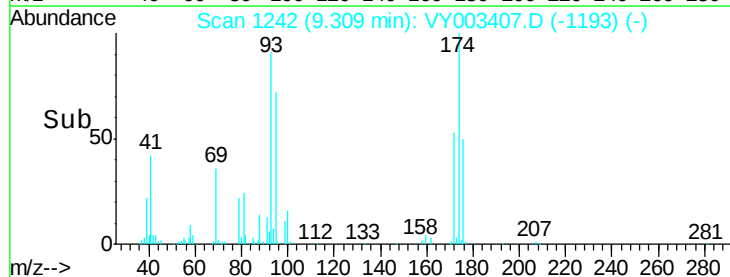
20000

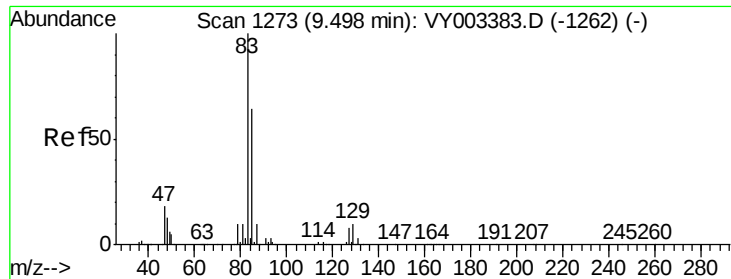
10000

0

9.20 9.25 9.30 9.35 9.40

Time-->





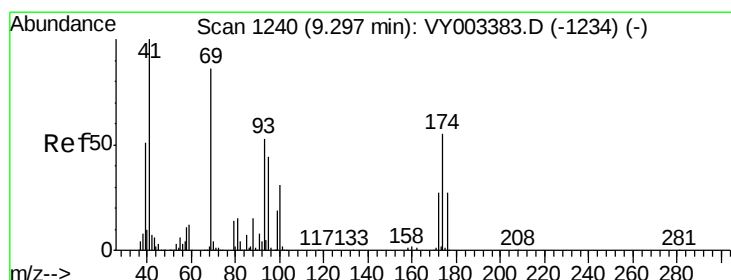
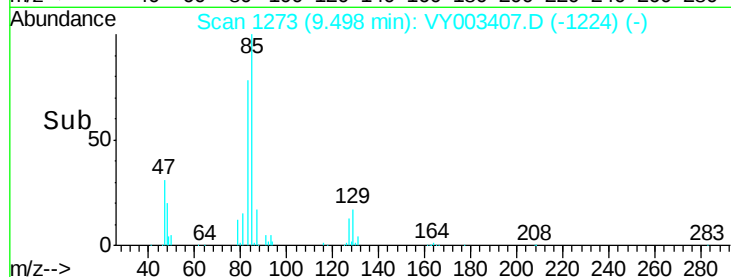
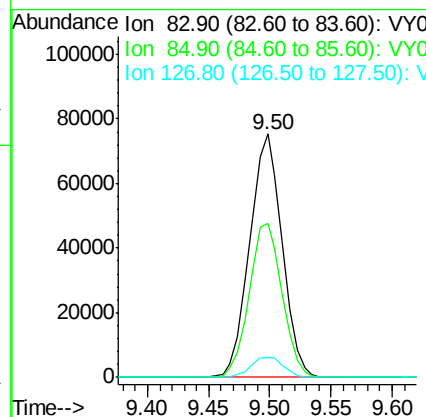
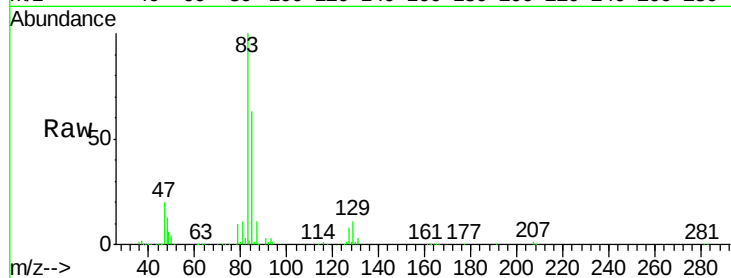
#47
Bromodichloromethane
Concen: 21.102 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion:	83	Resp:	138617
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.6	77.4
127	8.3	6.5	9.7

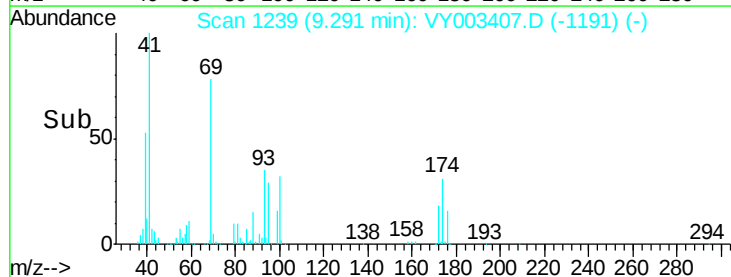
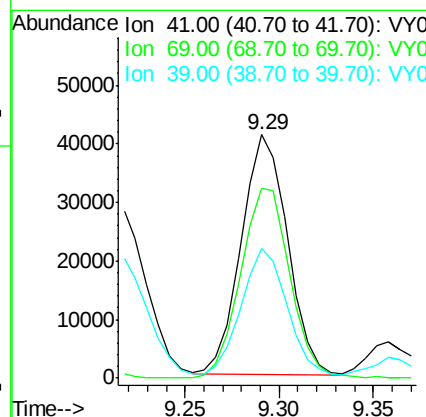
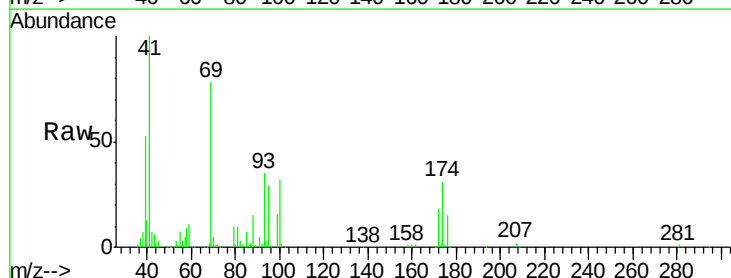
Manual Integrations
APPROVED

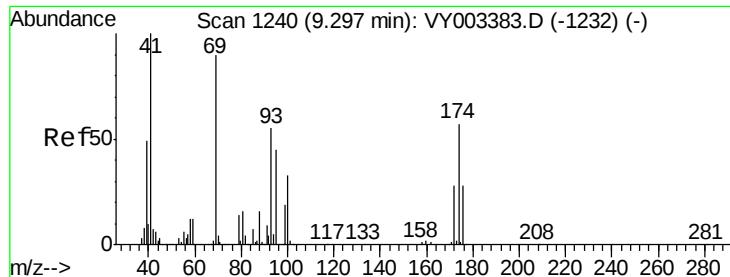
MMDadoda
8/4/2020 1:51:09 PM



#48
Methyl methacrylate
Concen: 21.564 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion:	41	Resp:	69856
Ion Ratio	Lower	Upper	
41	100		
69	84.4	68.9	103.3
39	52.6	43.1	64.7





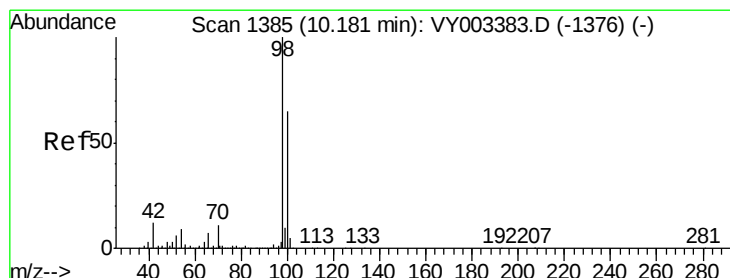
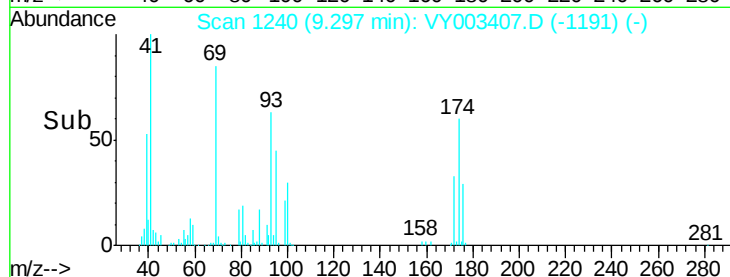
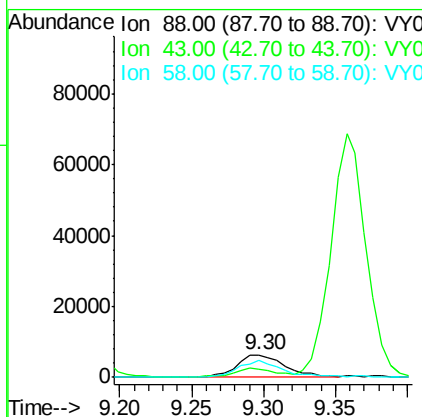
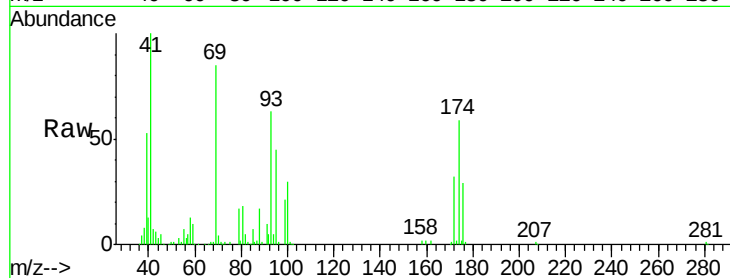
#49
1,4-Dioxane
Concen: 413.427 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	88	Resp	14587
Ion	Ratio	Lower	Upper
88	100		
43	37.1	24.9	37.3
58	76.4	54.3	81.5

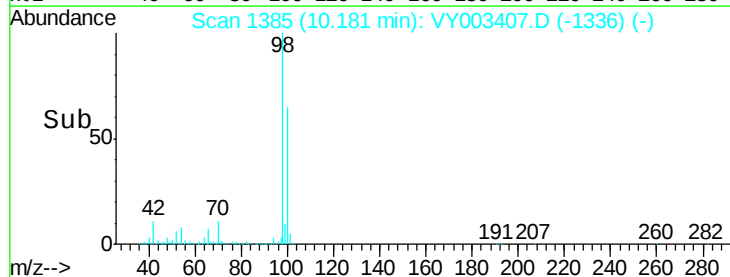
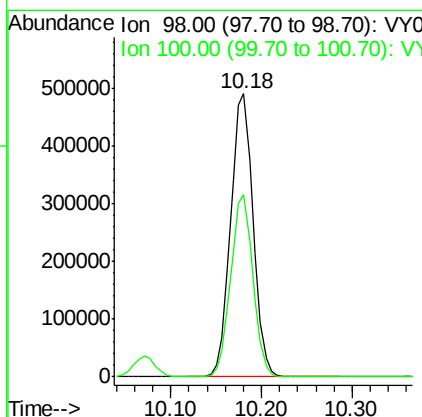
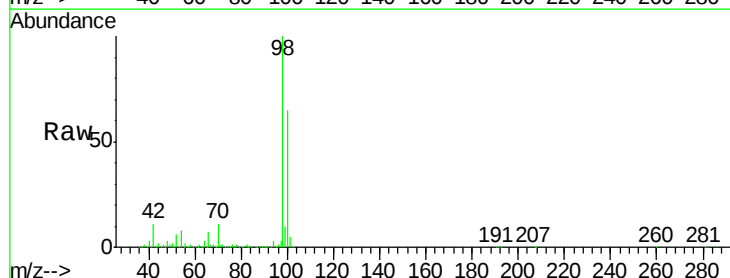
Manual Integrations
APPROVED

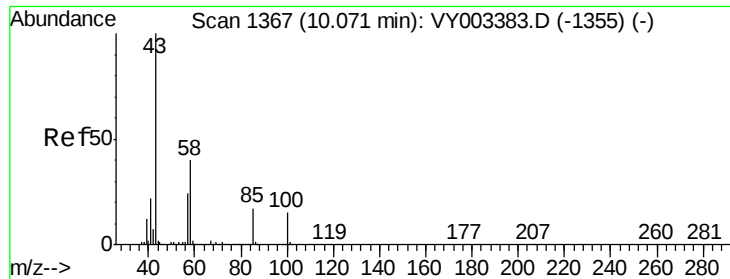
MMDadoda
8/4/2020 1:51:09 PM



#50
Toluene-d8
Concen: 51.624 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	98	Resp	841466
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 106.628 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion: 43 Resp: 401029

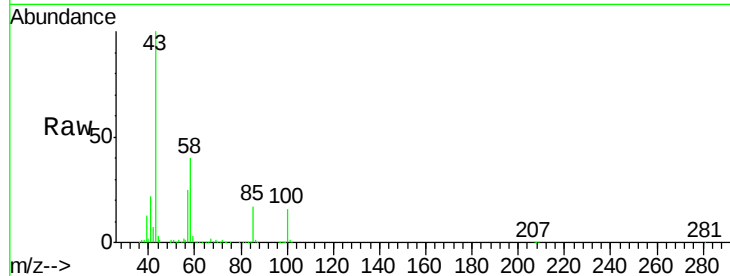
Ion Ratio Lower Upper

43 100

58 39.5 31.6 47.4

Manual Integrations
APPROVED

MMDadoda
8/4/2020 1:51:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

250000

200000

150000

100000

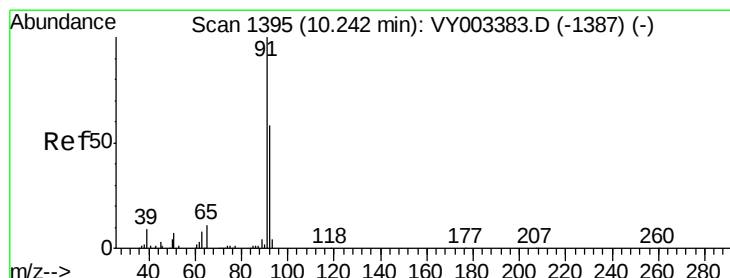
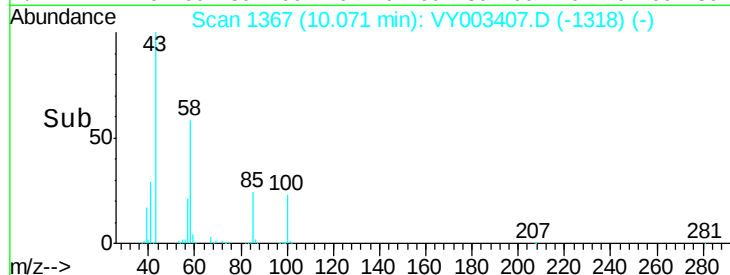
50000

0

10.07

10.00 10.10

Time-->



#52

Toluene

Concen: 20.433 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003407.D

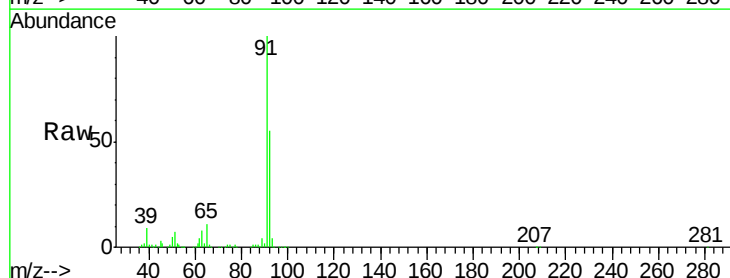
Acq: 03 Aug 2020 11:16

Tgt Ion: 92 Resp: 237772

Ion Ratio Lower Upper

92 100

91 178.0 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

250000

200000

150000

100000

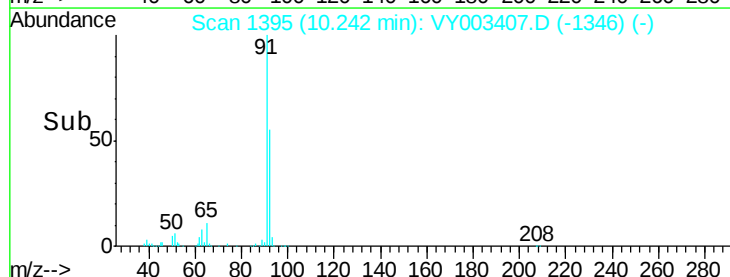
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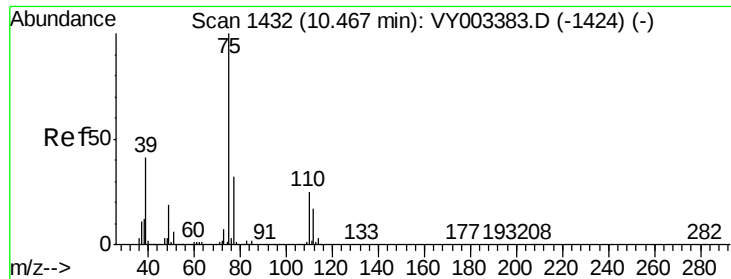
0

10.24

10.20 10.30

Time-->





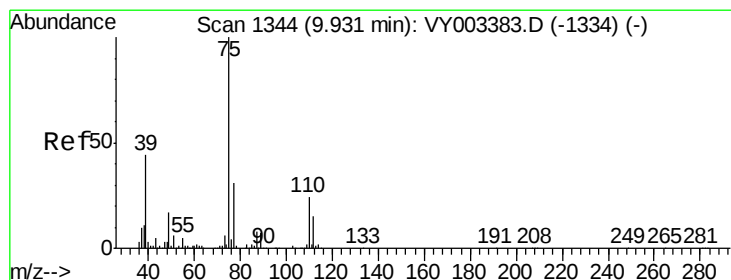
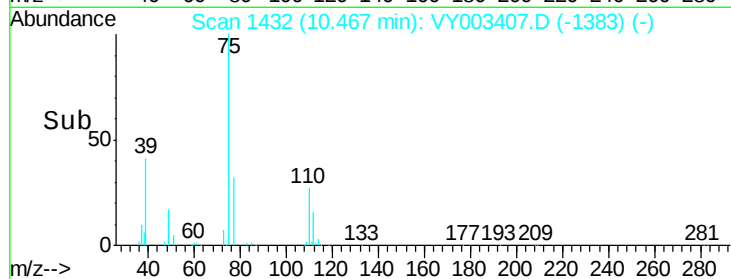
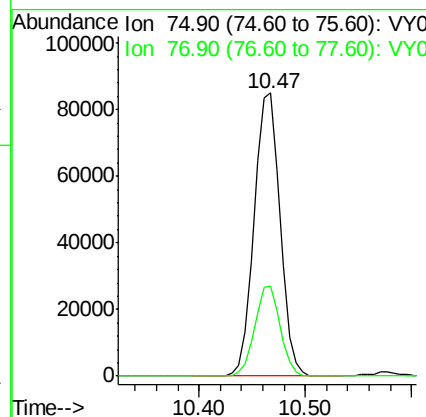
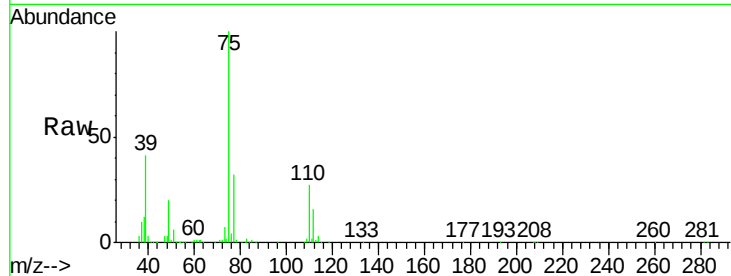
#53
t-1,3-Dichloropropene
Concen: 20.893 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2

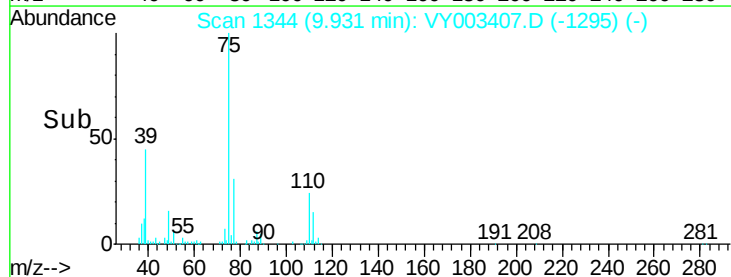
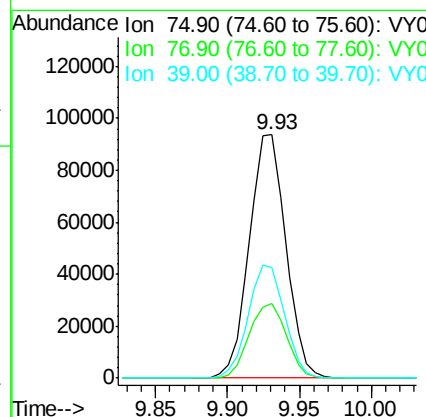
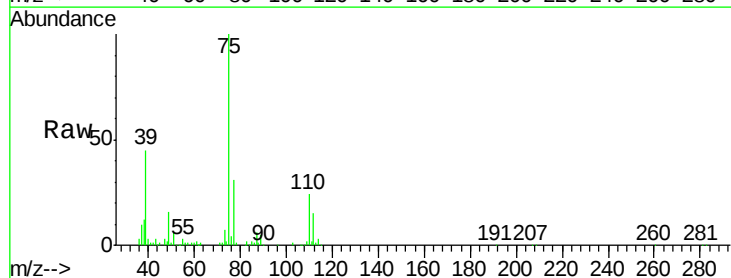
Manual Integrations
APPROVED

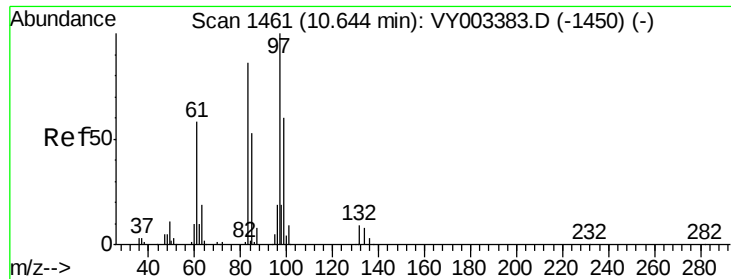
MMDadoda
8/4/2020 1:51:09 PM



#54
cis-1,3-Dichloropropene
Concen: 20.800 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.8	37.2
39	45.3	34.8	52.2





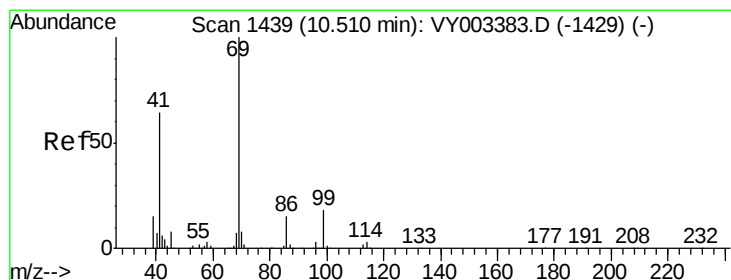
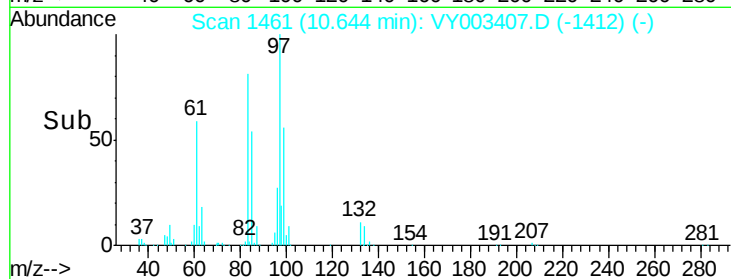
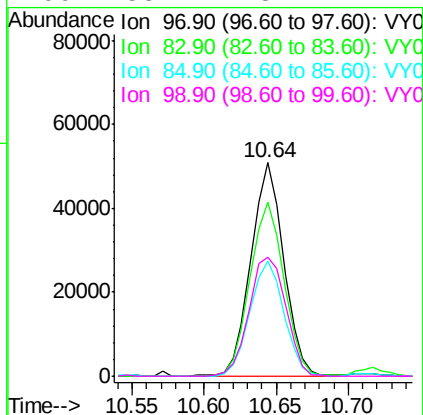
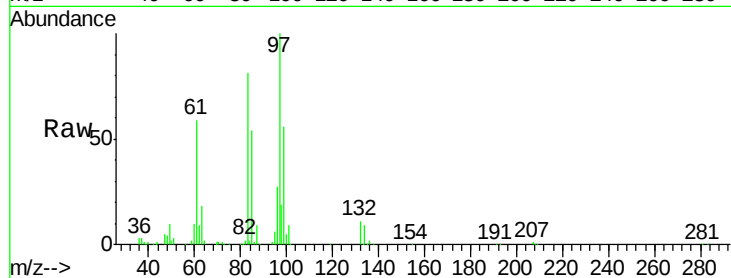
#55
 1,1,2-Trichloroethane
 Concen: 21.013 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0803SBS01

Tot Ion:	97	Resp:	80347
Ion	Ratio	Lower	Upper
97	100		
83	81.3	69.1	103.7
85	54.0	42.5	63.7
99	55.7	48.2	72.4

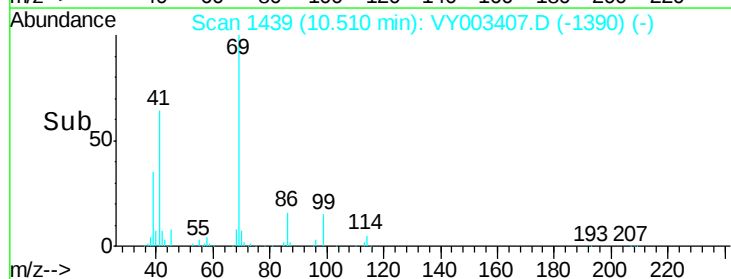
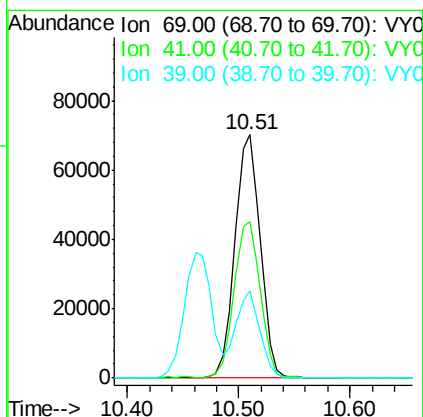
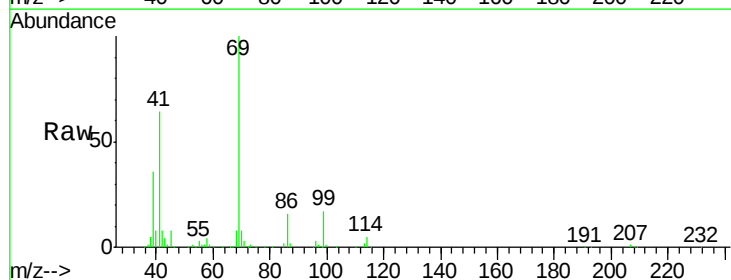
Manual Integrations
 APPROVED

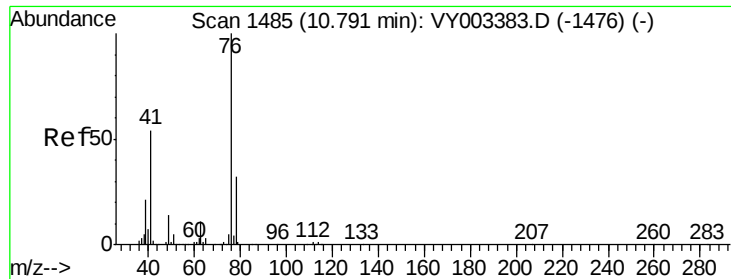
MMDadoda
 8/4/2020 1:51:09 PM



#56
 Ethyl methacrylate
 Concen: 20.867 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Tgt Ion:	69	Resp:	110463
Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.2	78.4
39	34.3	24.7	37.1





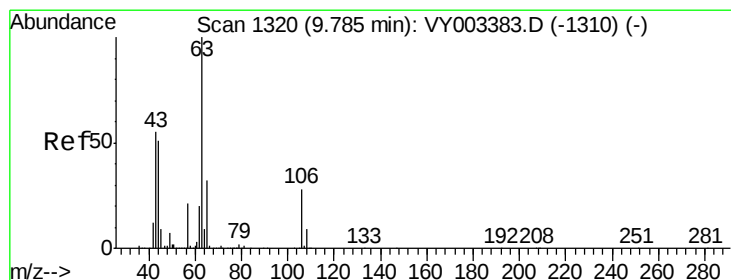
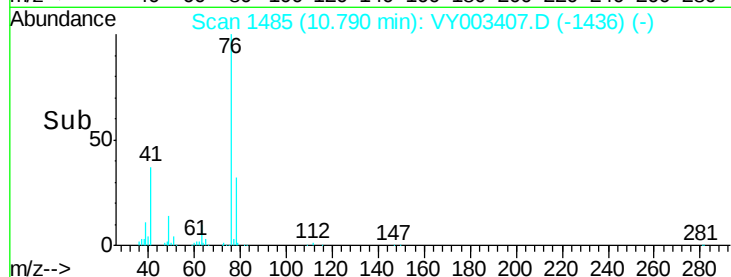
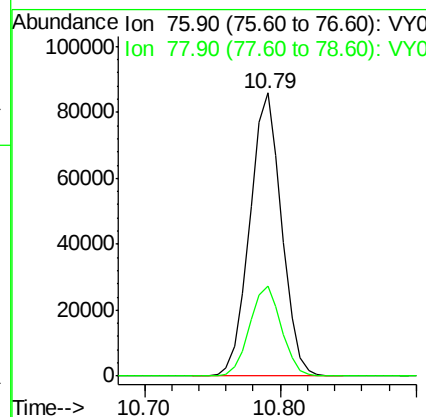
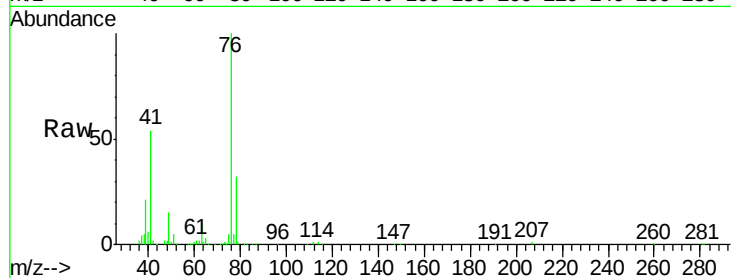
#57
 1,3-Dichloropropane
 Concen: 21.156 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0803SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.1	39.1

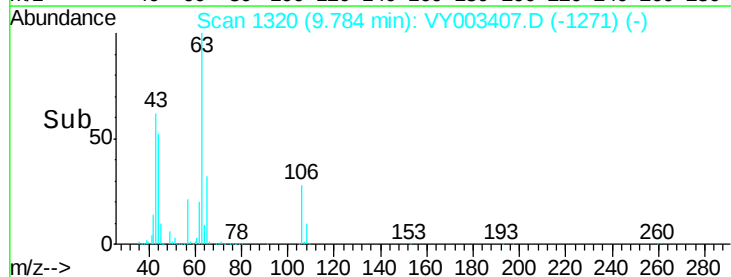
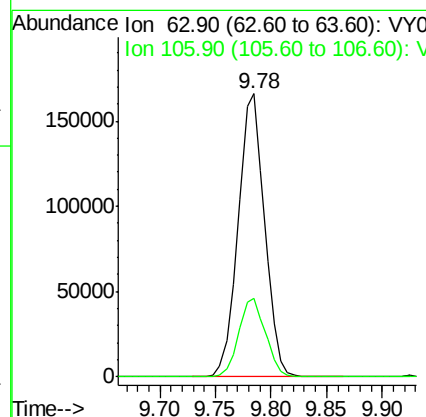
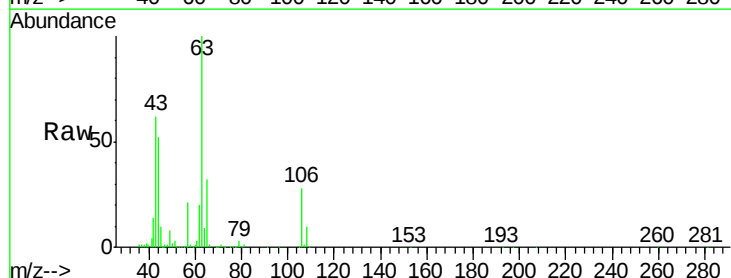
Manual Integrations
 APPROVED

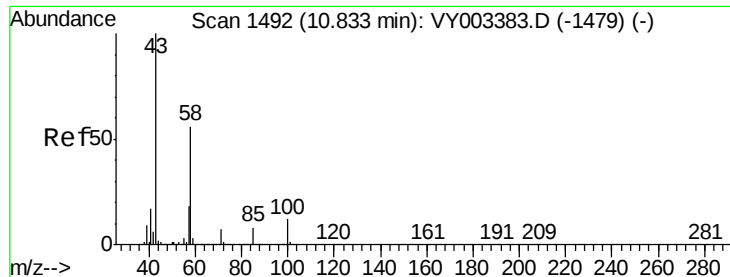
MMDadoda
 8/4/2020 1:51:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.241 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.8	32.6





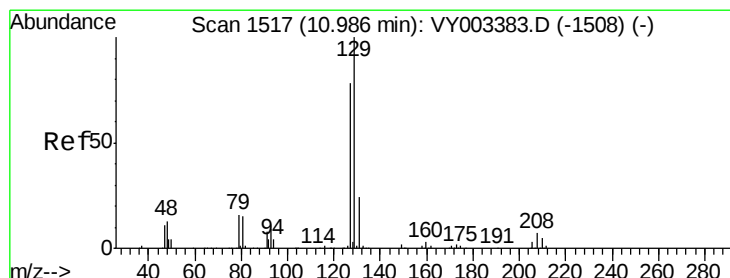
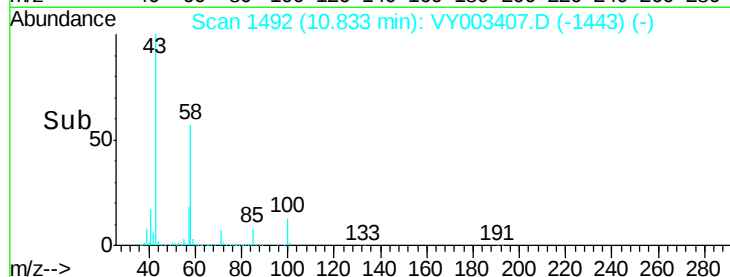
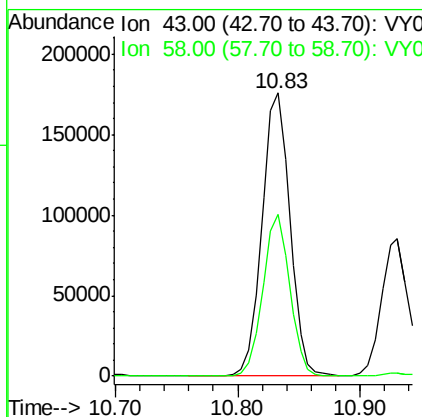
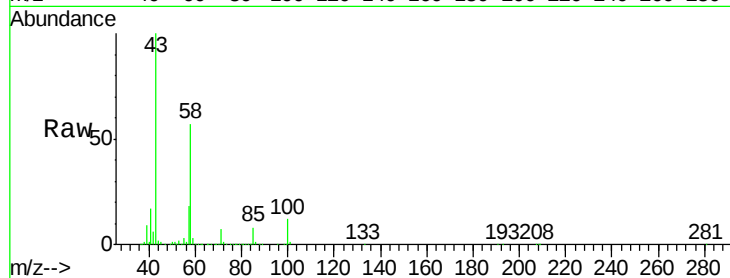
#59
2-Hexanone
Concen: 106.833 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.6	82.8

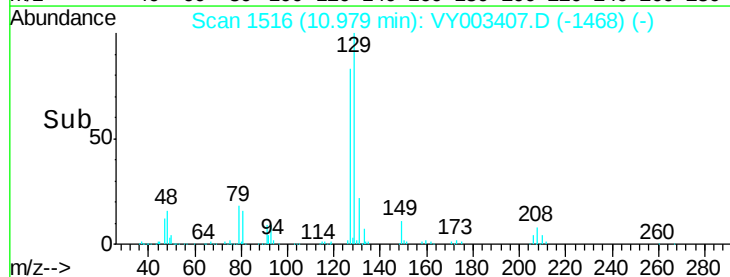
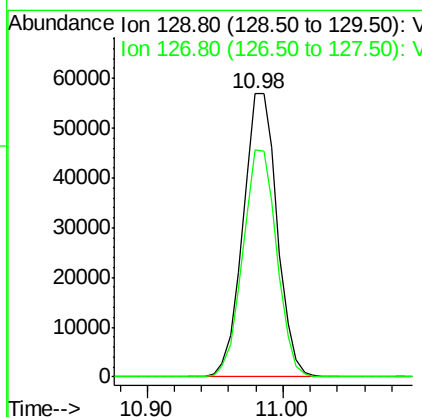
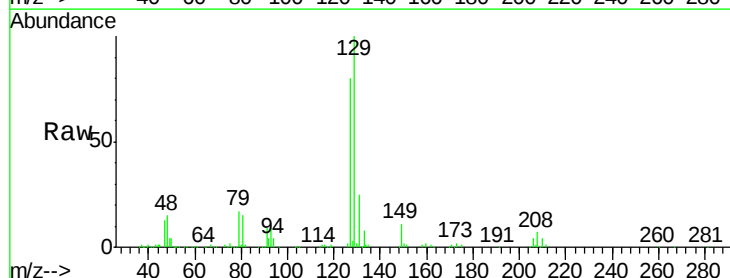
Manual Integrations
APPROVED

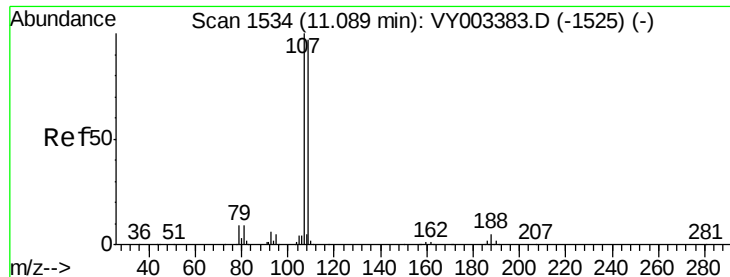
MMDadoda
8/4/2020 1:51:09 PM



#60
Dibromochloromethane
Concen: 20.807 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.8	38.7	116.1





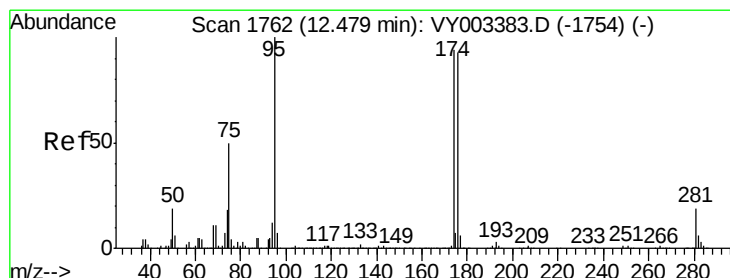
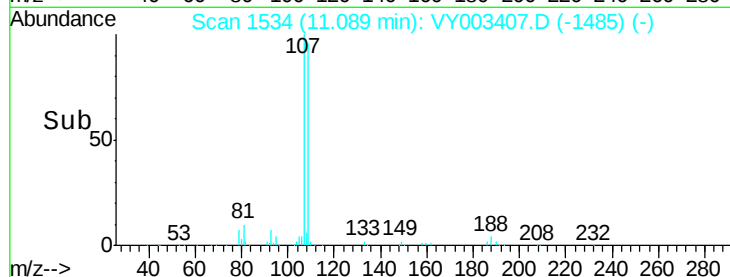
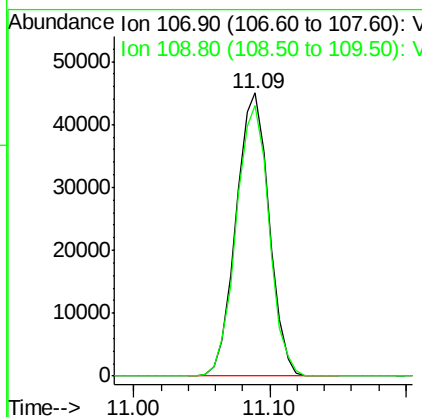
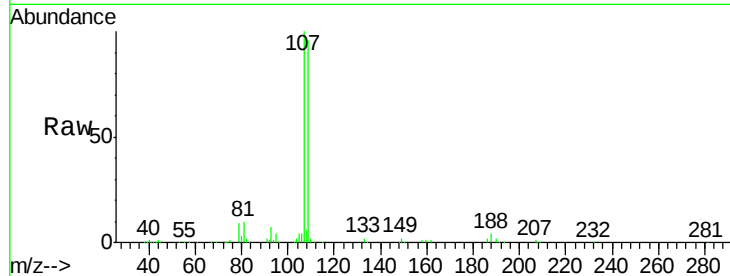
#61
 1,2-Dibromoethane
 Concen: 20.589 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0803SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.5	113.3

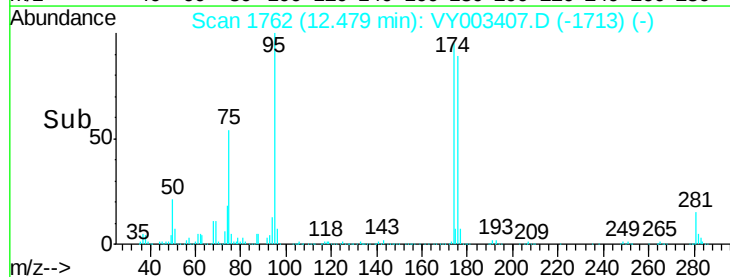
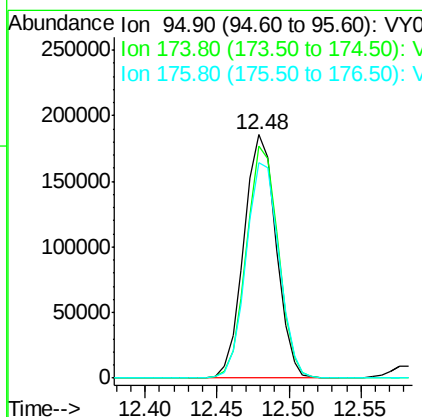
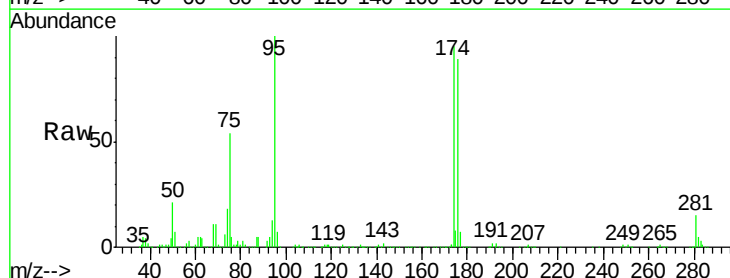
Manual Integrations
 APPROVED

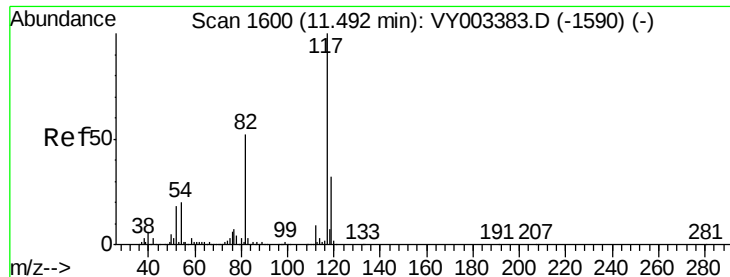
MMDadoda
 8/4/2020 1:51:09 PM



#62
 4-Bromofluorobenzene
 Concen: 51.536 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	190.0
176	90.3	0.0	184.4





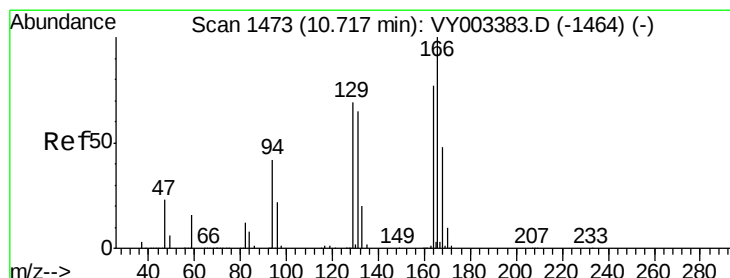
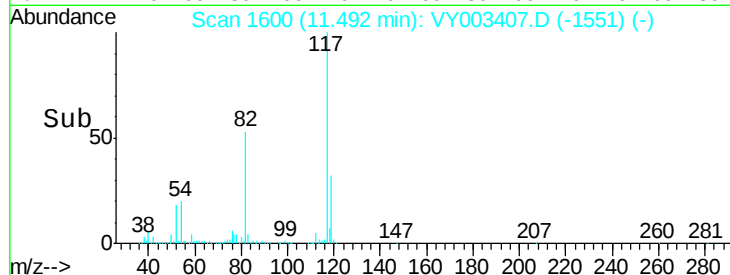
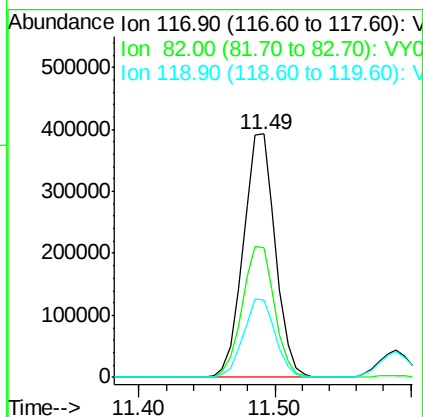
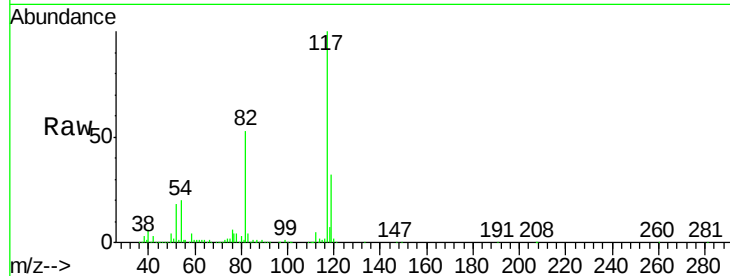
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	644352		
82	53.2		41.9	62.9
119	31.6		25.4	38.0

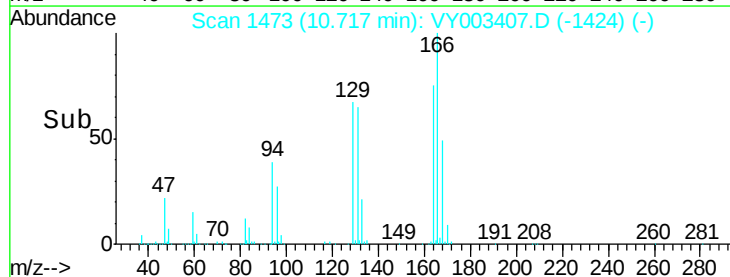
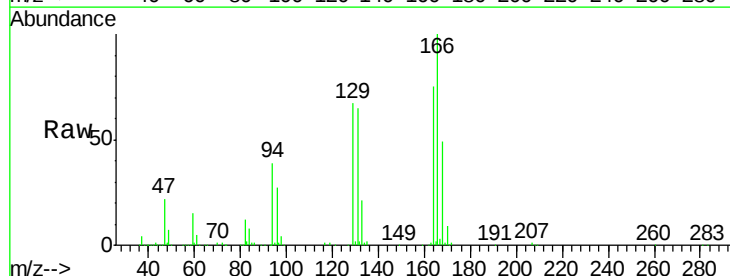
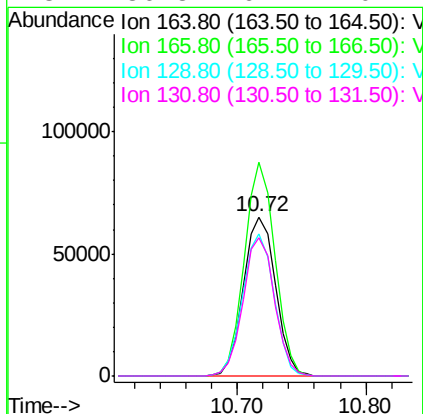
Manual Integrations
APPROVED

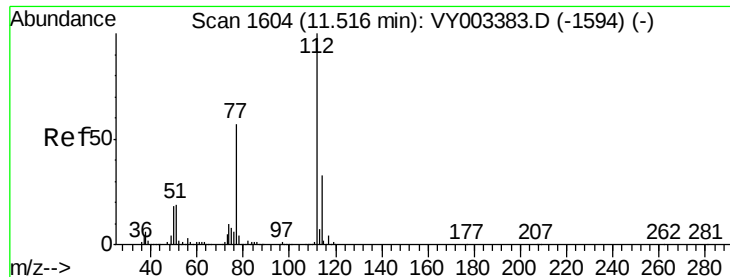
MMDadoda
8/4/2020 1:51:09 PM



#64
Tetrachloroethene
Concen: 20.800 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112046		
166	134.0		103.3	154.9
129	89.4		71.2	106.8
131	86.8		67.4	101.2





#65

Chlorobenzene

Concen: 20.670 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion:112 Resp: 261358

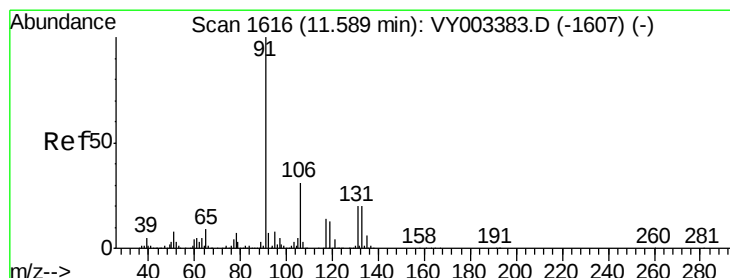
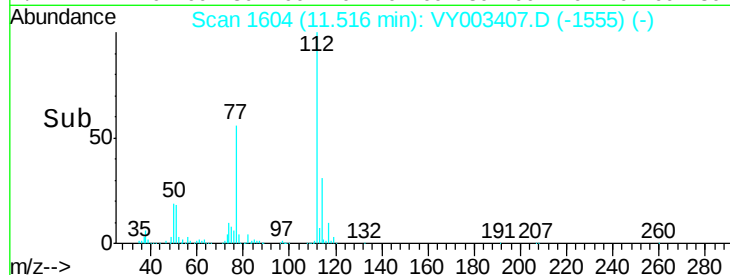
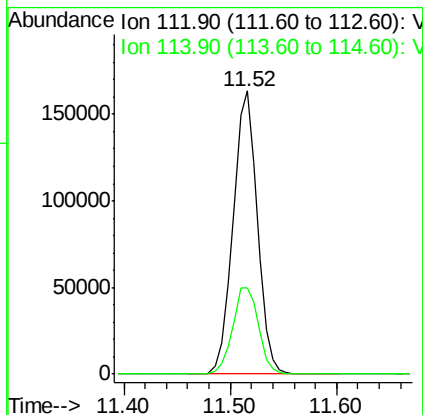
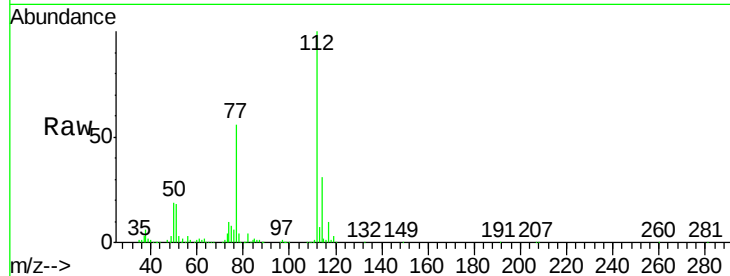
Ion Ratio Lower Upper

112 100

114 30.7 26.1 39.1

Manual Integrations
APPROVED

MMDadoda
8/4/2020 1:51:09 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.121 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

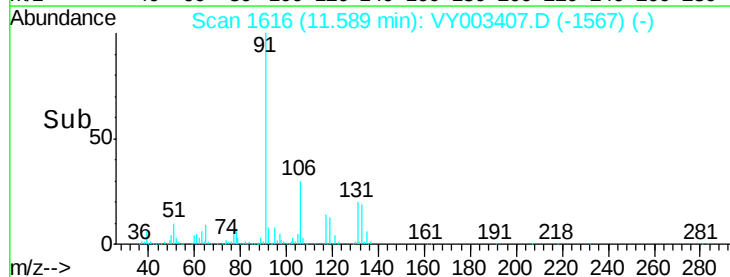
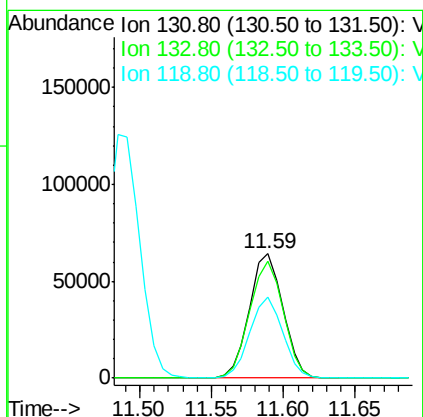
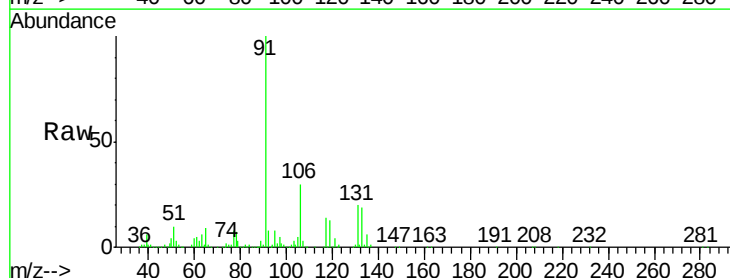
Tgt Ion:131 Resp: 103876

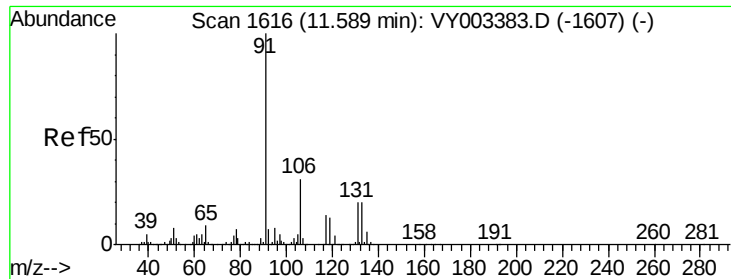
Ion Ratio Lower Upper

131 100

133 93.6 48.1 144.3

119 63.7 32.0 96.2





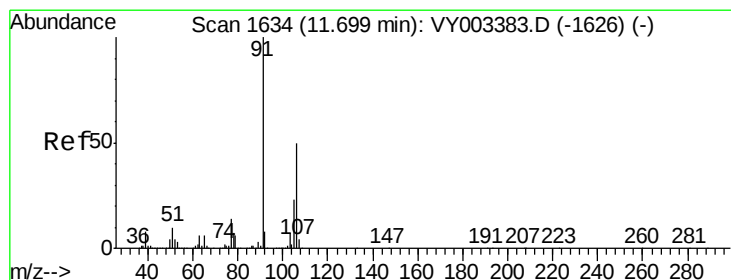
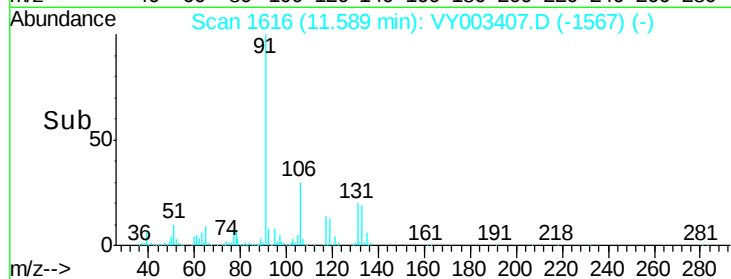
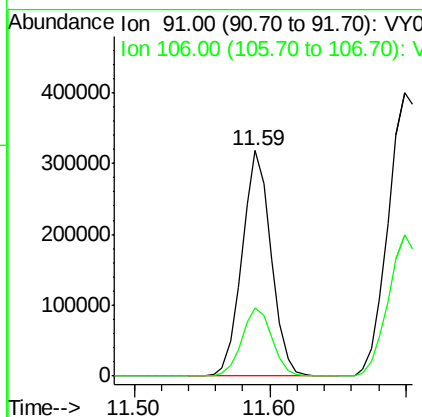
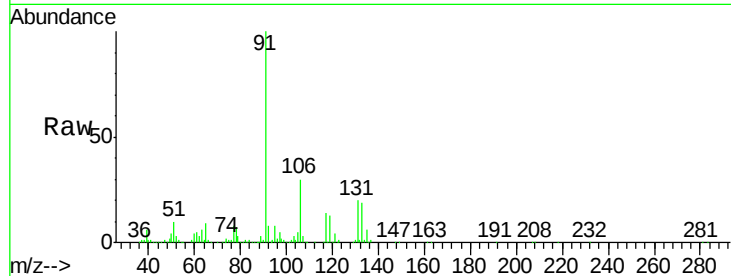
#67
Ethyl Benzene
Concen: 20.815 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion: 91 Resp: 474559
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6

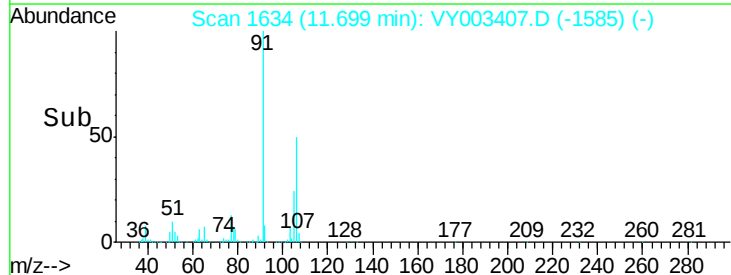
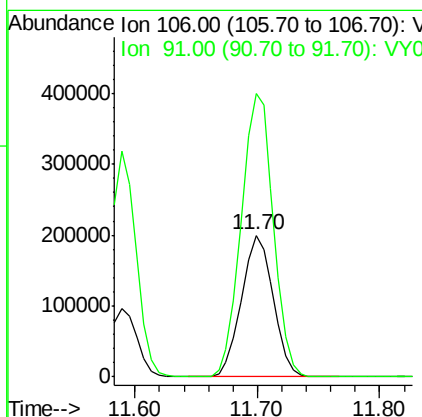
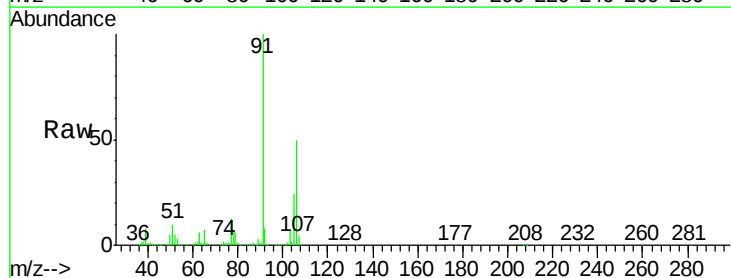
Manual Integrations
APPROVED

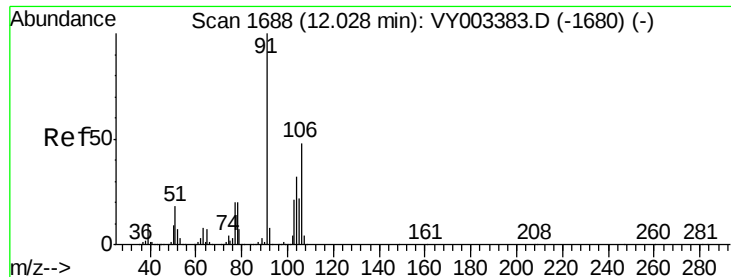
MMDadoda
8/4/2020 1:51:09 PM



#68
m/p-Xylenes
Concen: 41.778 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion: 106 Resp: 359088
Ion Ratio Lower Upper
106 100
91 201.9 161.0 241.6





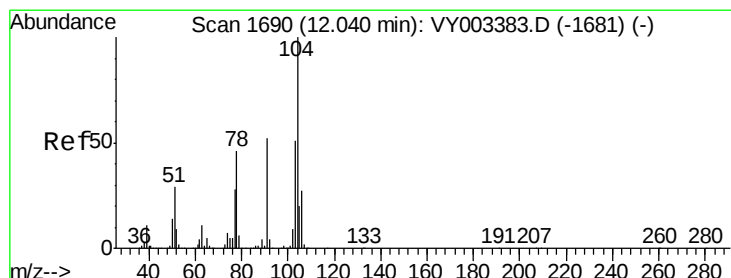
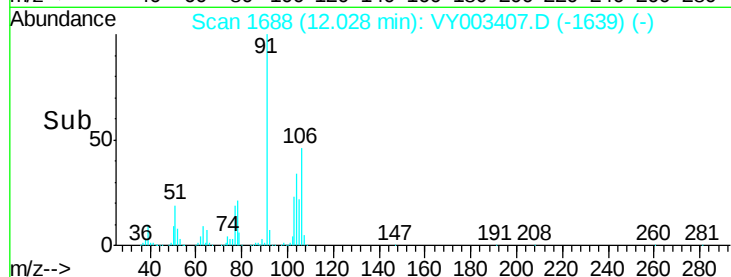
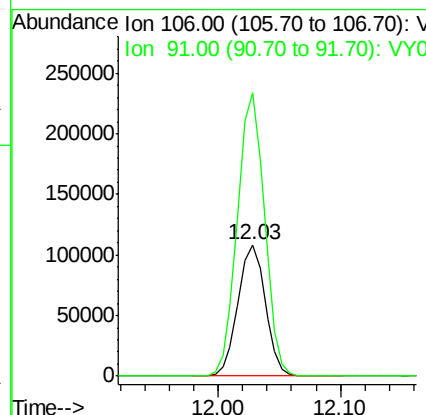
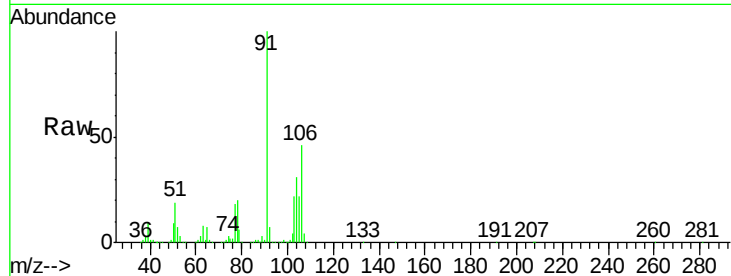
#69
o-Xylene
Concen: 20.854 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	213.5	104.6	313.7

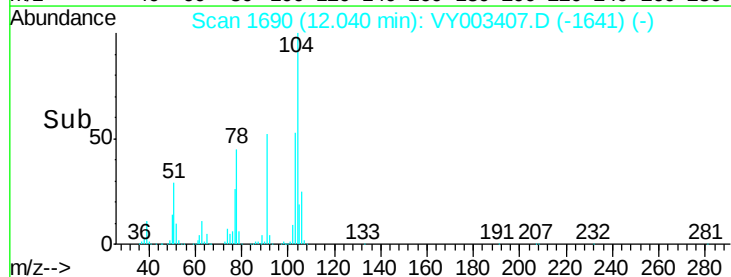
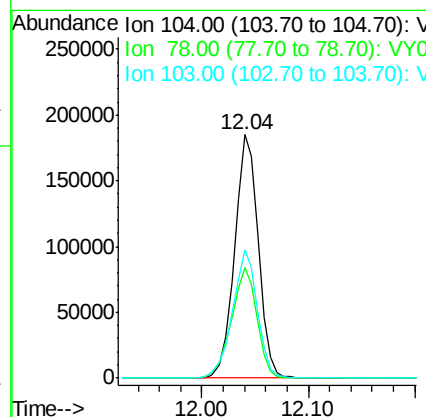
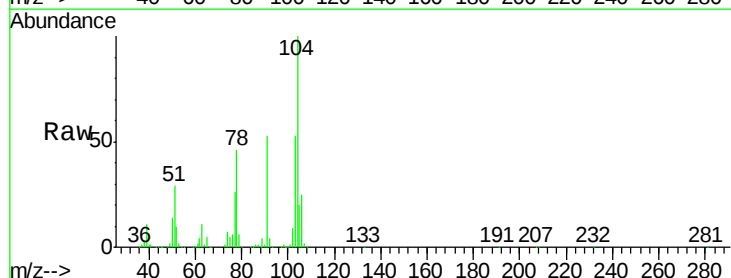
Manual Integrations
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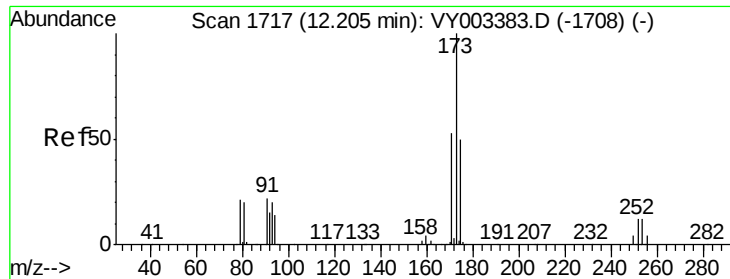
MMDadoda
8/4/2020 1:51:09 PM



#70
Styrene
Concen: 20.930 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	48.9	39.3	58.9
103	103	55.1	43.7	65.5





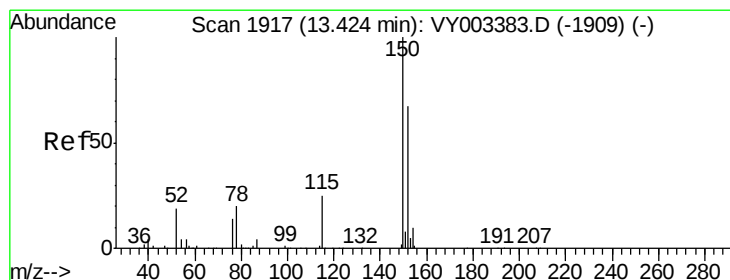
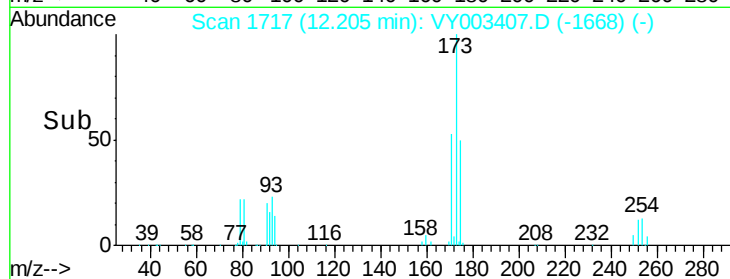
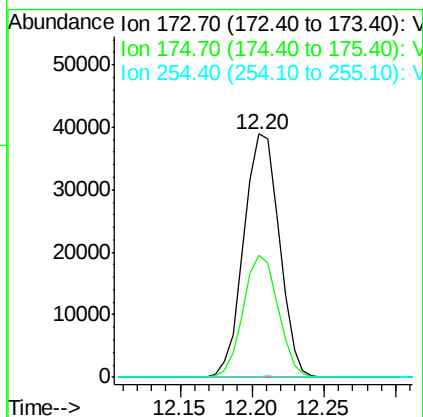
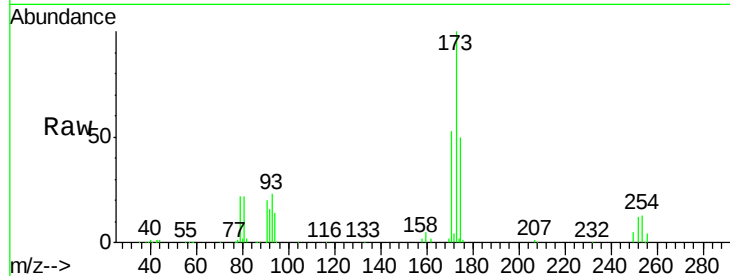
#71
Bromoform
Concen: 20.792 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.2
254	0.2	0.2	0.2

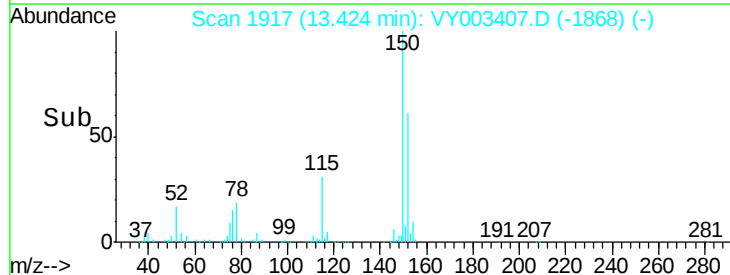
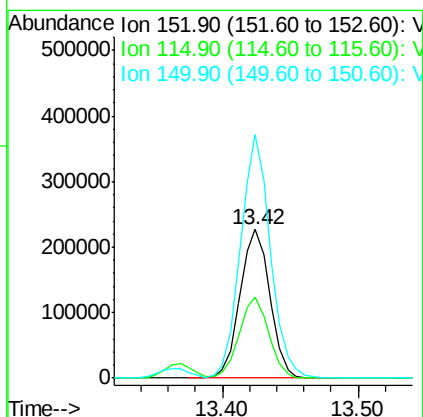
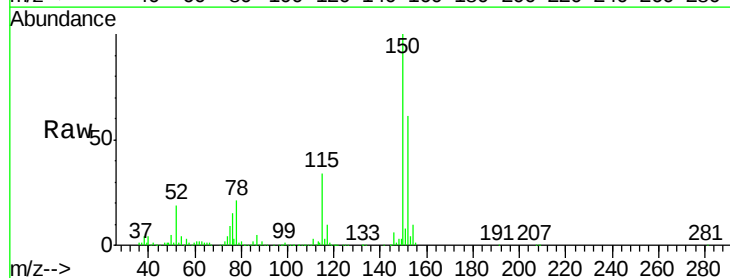
Manual Integrations
APPROVED

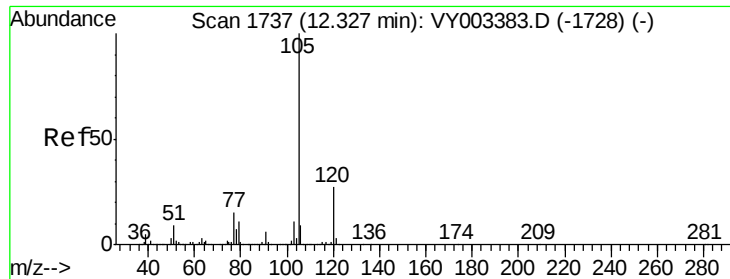
MMDadoda
8/4/2020 1:51:09 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.2	81.5
150	163.2	0.0	346.8





#73

Isopropylbenzene

Concen: 20.403 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion: 105 Resp: 457966

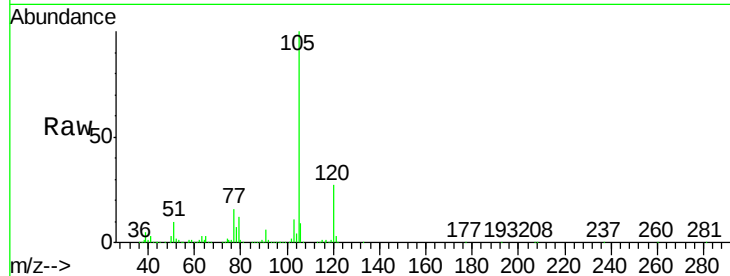
Ion Ratio Lower Upper

105 100

120 27.5 13.5 40.4

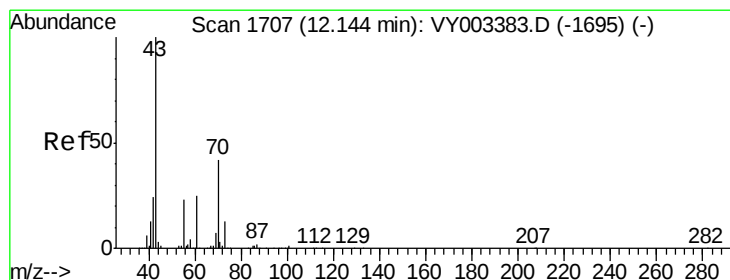
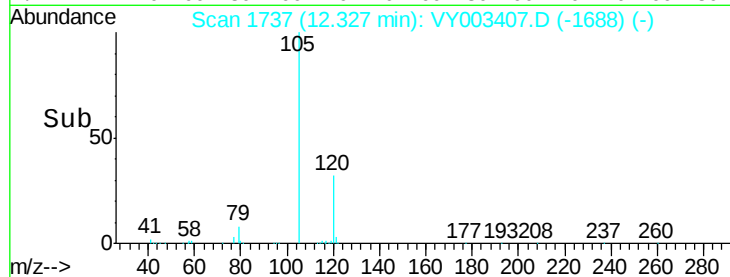
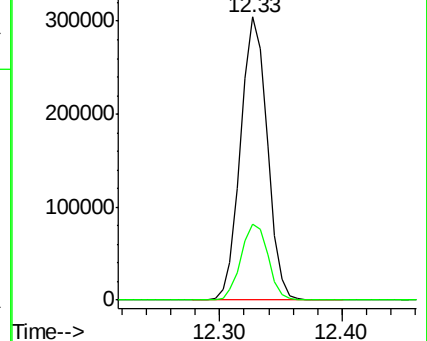
Manual Integrations
APPROVED

MMDadoda
8/4/2020 1:51:09 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.024 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Tgt Ion: 43 Resp: 139086

Ion Ratio Lower Upper

43 100

70 41.3 33.6 50.4

55 24.6 18.5 27.7

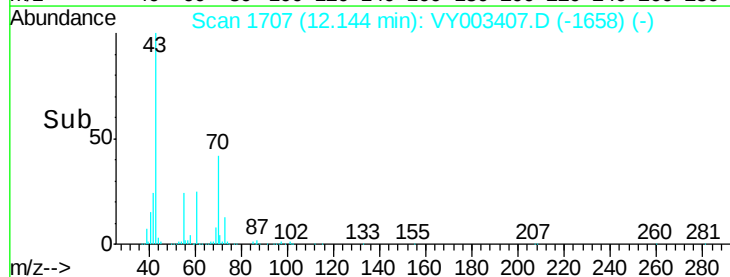
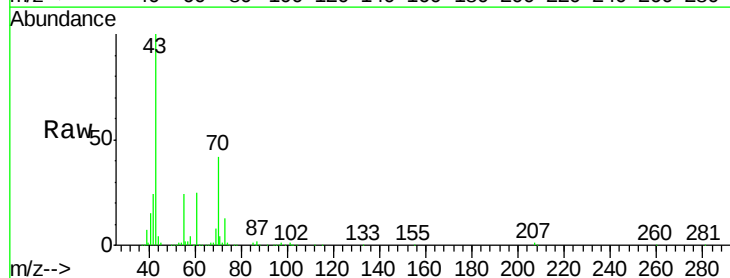
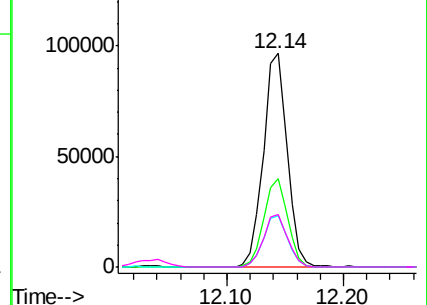
61 25.1 19.8 29.8

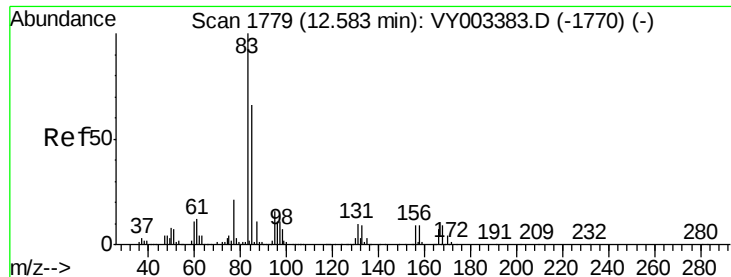
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 20.762 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

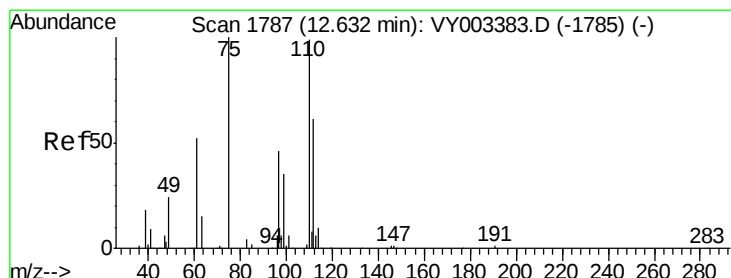
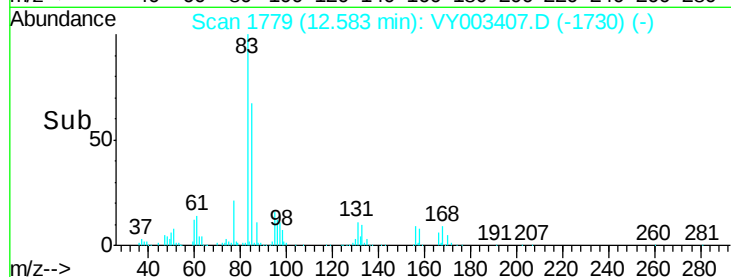
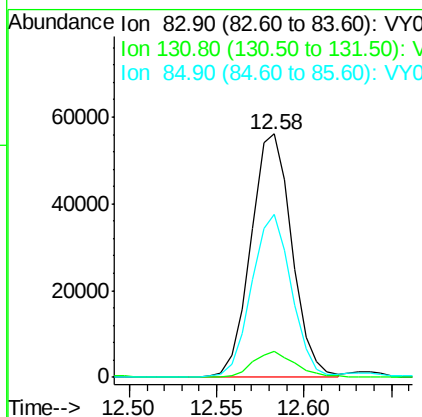
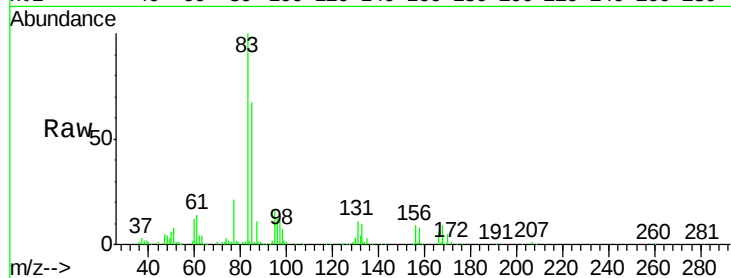
ClientSampleId :

VY0803SBS01

Tot Ion:	83	Resp:	92309
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	64.8	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.454 ug/l m

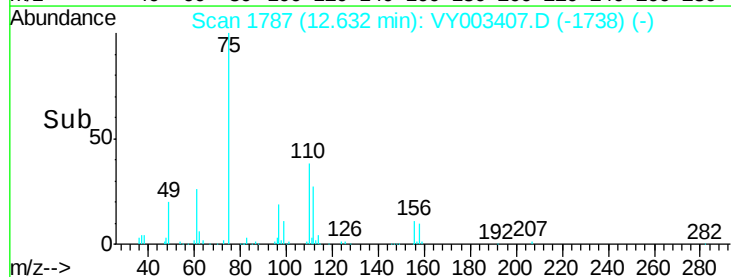
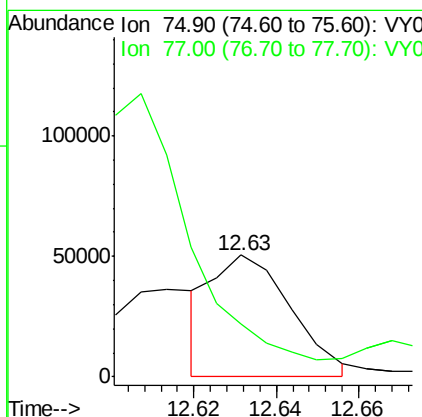
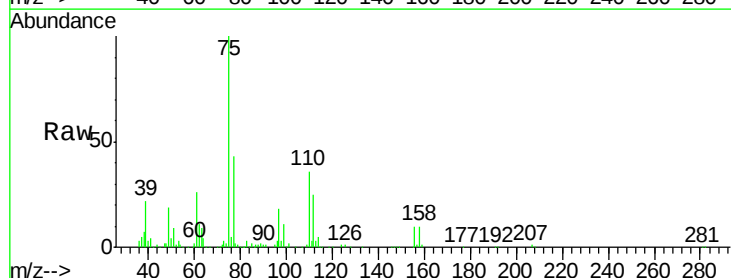
RT: 12.63 min Scan# 1787

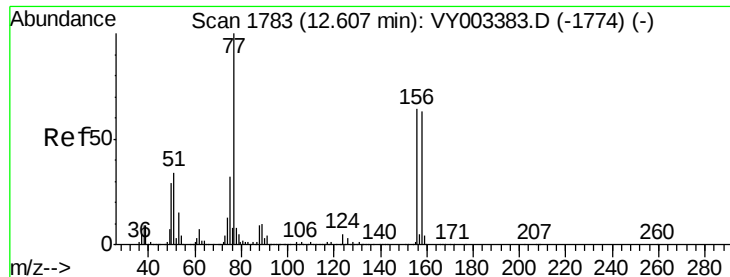
Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Tgt Ion:	75	Resp:	66934
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.817 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

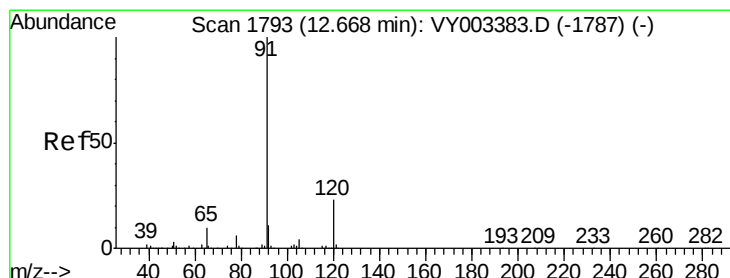
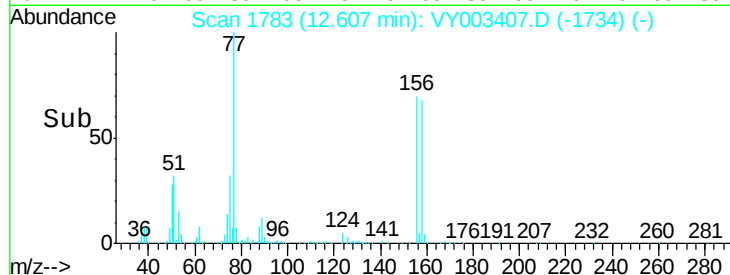
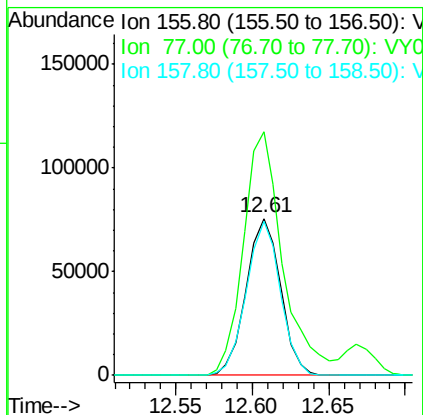
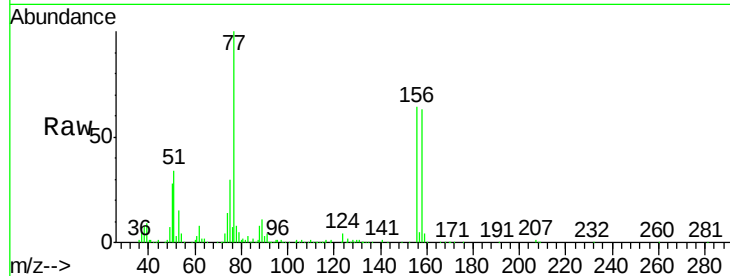
ClientSampleId :

VY0803SBS01

Tot Ion:	156	Resp:	118723
Ion Ratio	Lower	Upper	
156	100		
77	176.3	87.5	262.5
158	97.0	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 20.642 ug/l

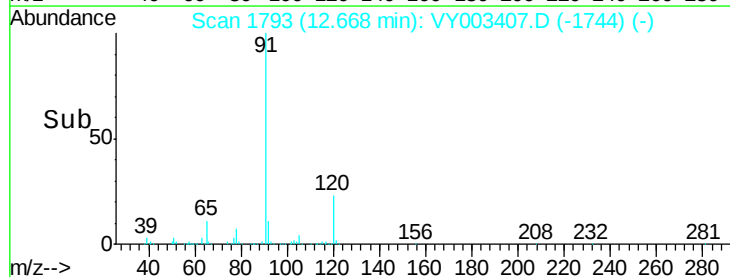
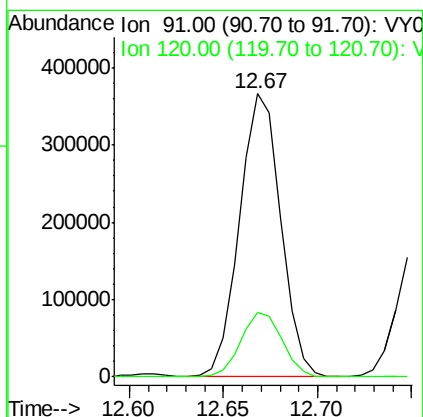
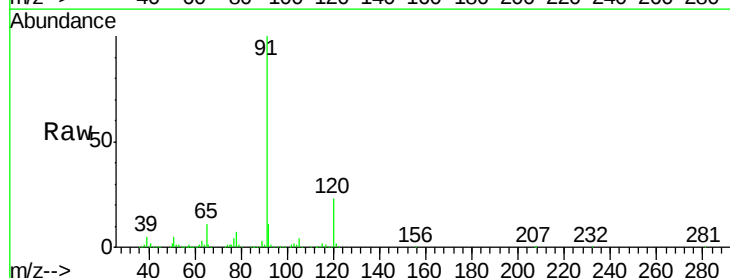
RT: 12.67 min Scan# 1793

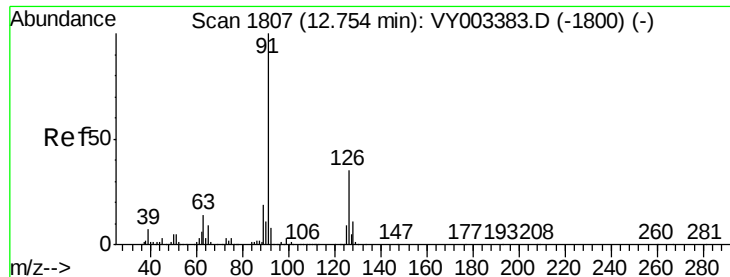
Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Tgt Ion:	91	Resp:	554517
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.6	34.8





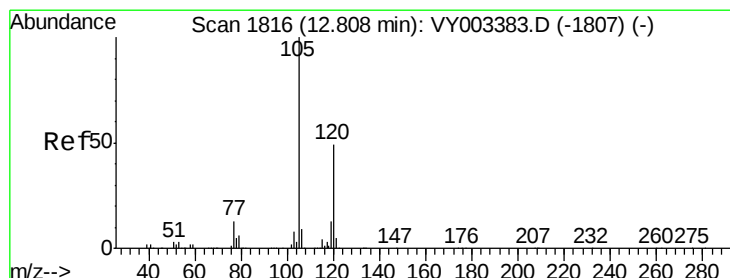
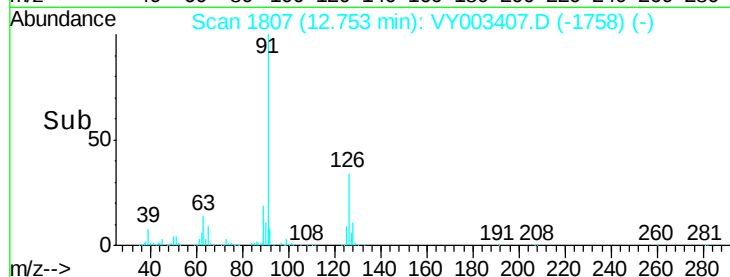
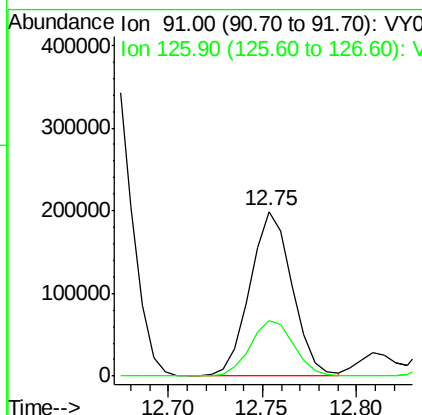
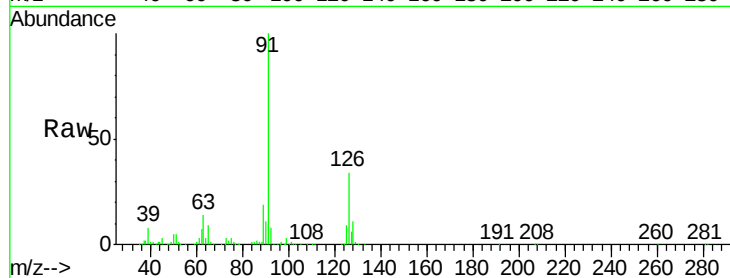
#79
 2-Chlorotoluene
 Concen: 20.695 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0803SBS01

Tot Ion: 91 Resp: 308464
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.9 53.7

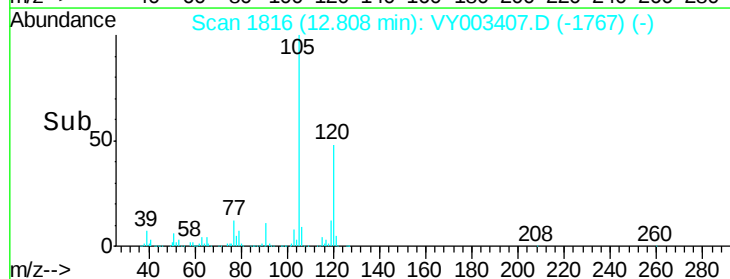
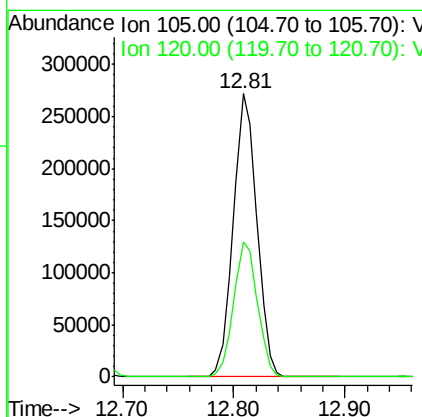
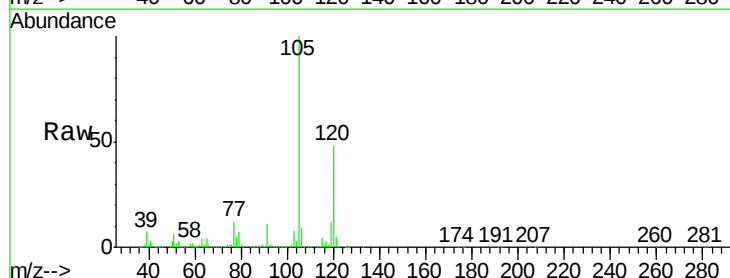
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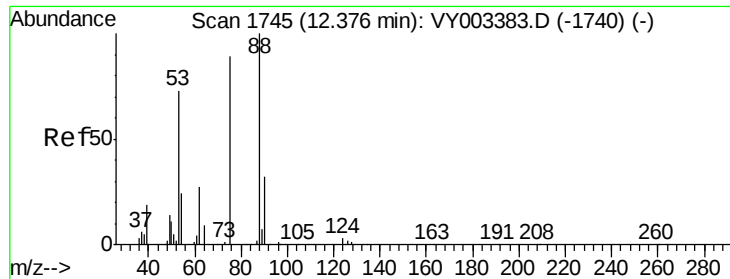
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.098 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Tgt Ion: 105 Resp: 397601
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.403 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

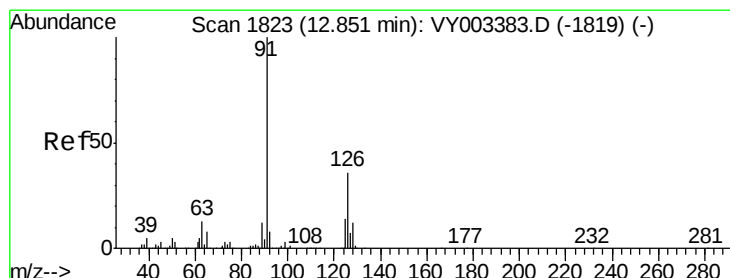
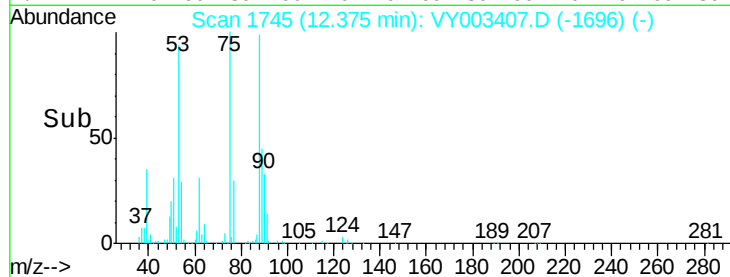
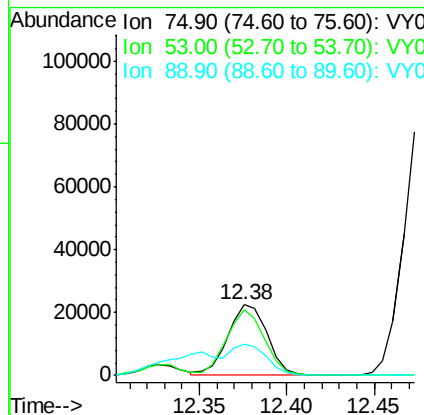
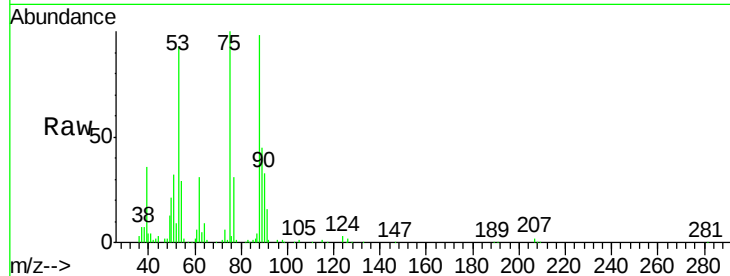
ClientSampleId :

VY0803SBS01

Tot Ion:	75	Resp:	35308
Ion	Ratio	Lower	Upper
75	100		
53	89.4	69.5	104.3
89	39.4	33.8	50.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.763 ug/l

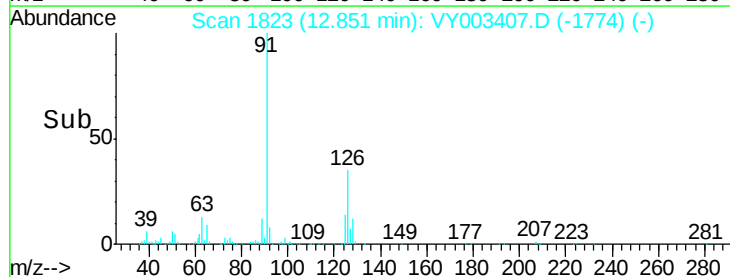
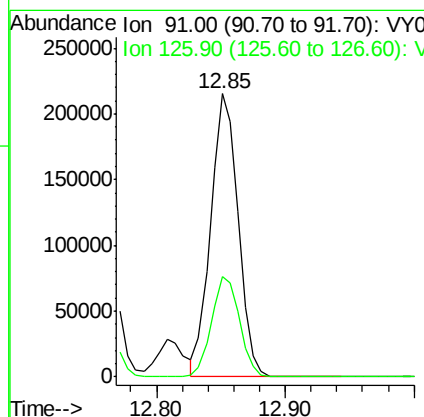
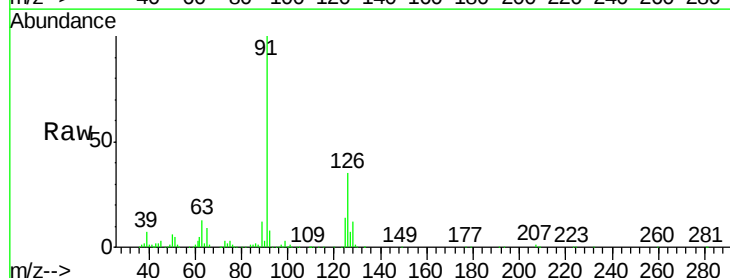
RT: 12.85 min Scan# 1823

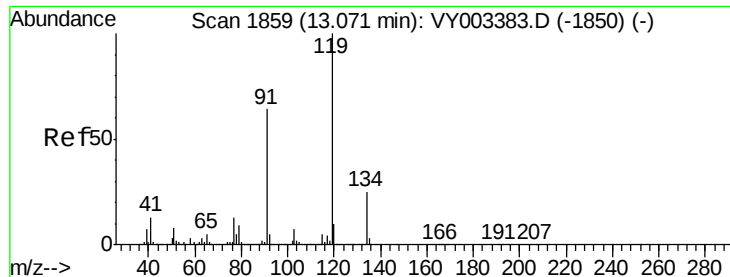
Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Tgt Ion:	91	Resp:	321584
Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.4





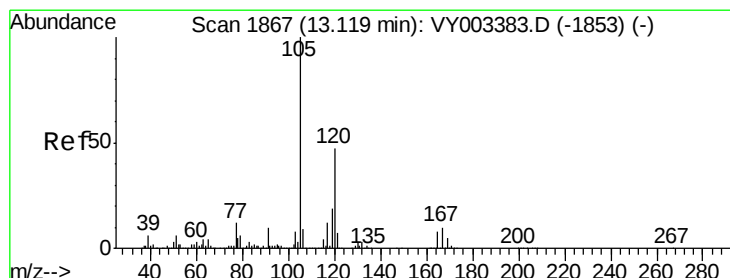
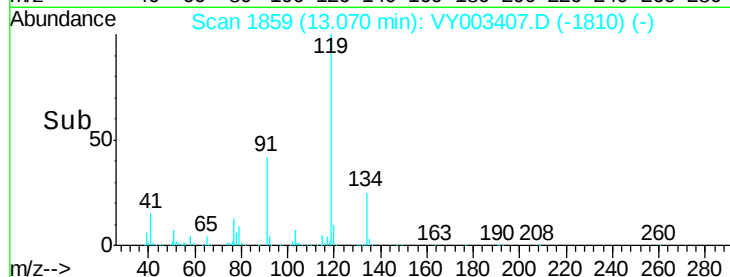
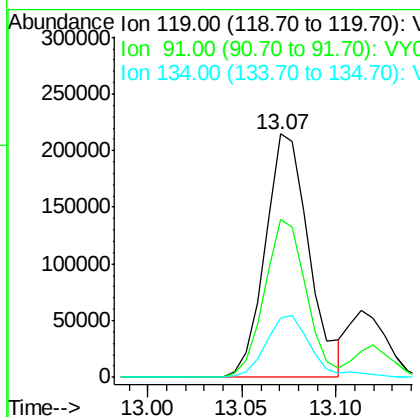
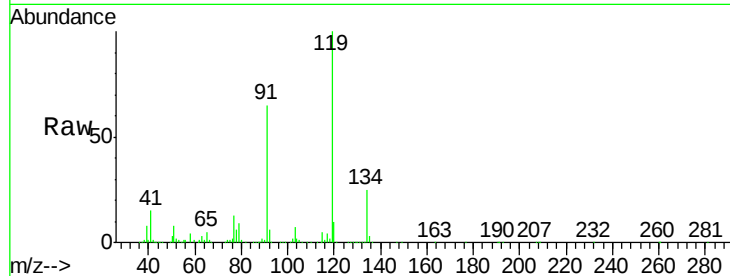
#83
tert-Butylbenzene
Concen: 21.160 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	346202		
91	61.9	31.8	95.3	
134	26.3	13.6	40.8	

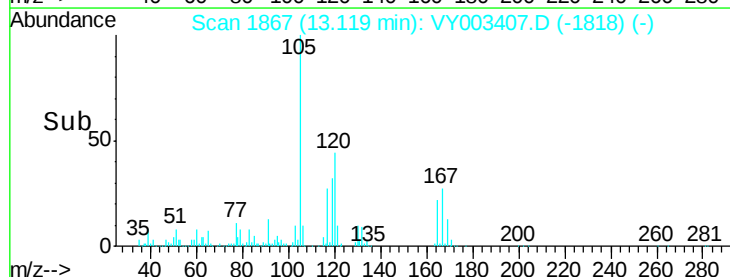
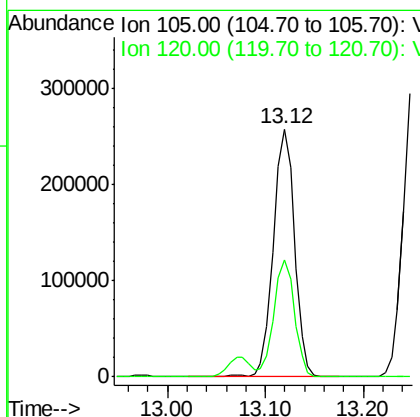
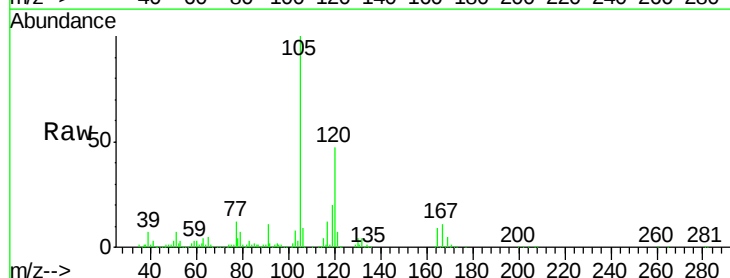
Manual Integrations
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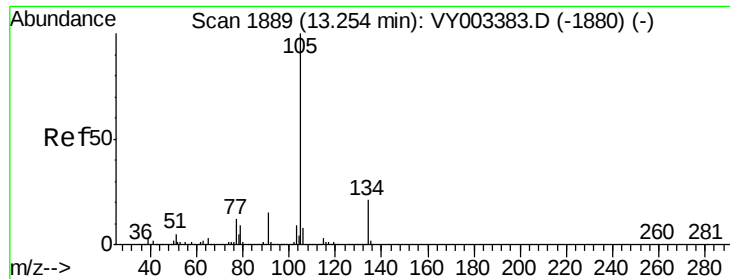
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.609 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	390356		
120	46.2	23.4	70.3	





#85

sec-Butylbenzene

Concen: 21.001 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0803SBS01

Tot Ion:105 Resp: 477940

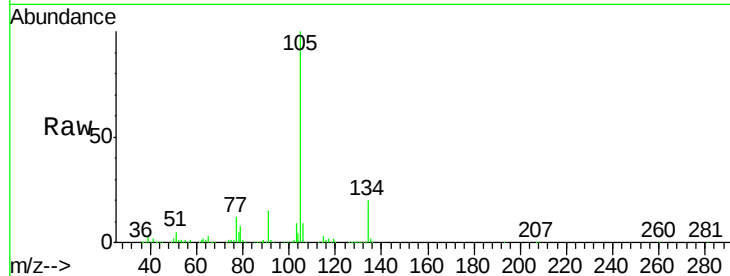
Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.4

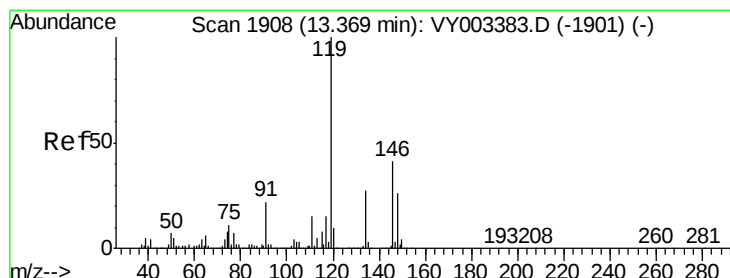
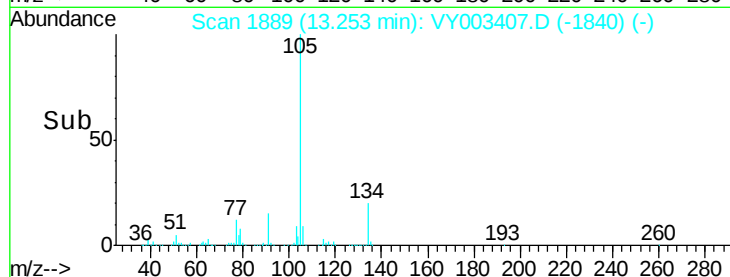
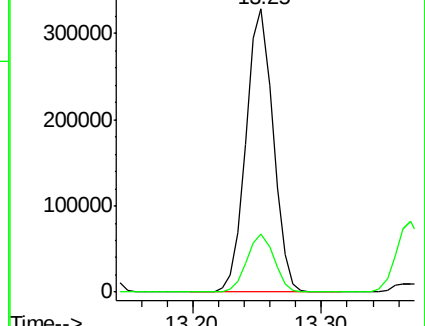
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.708 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

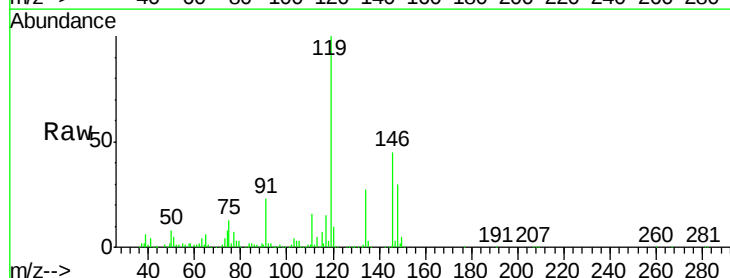
Tgt Ion:119 Resp: 440786

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

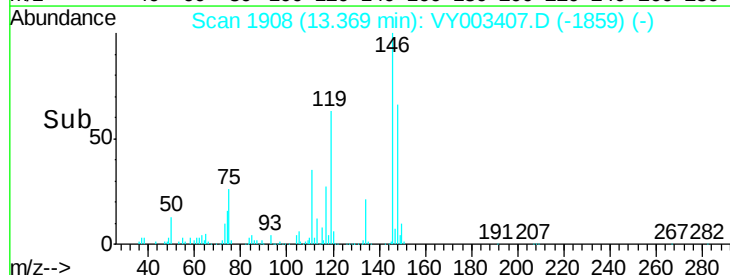
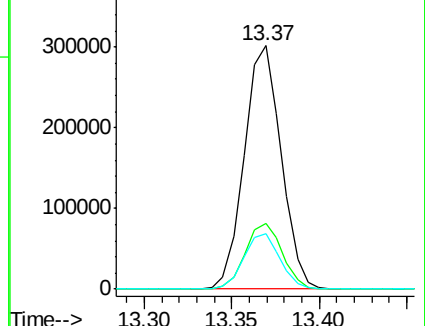
91 22.5 11.4 34.1

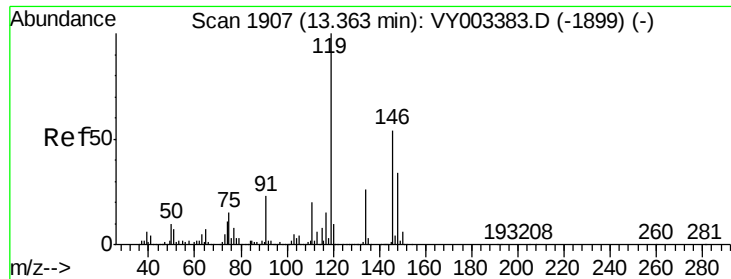


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 20.417 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

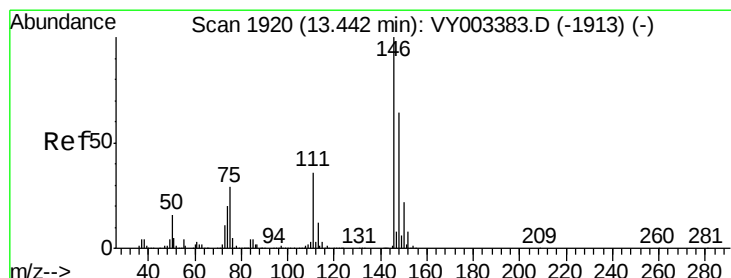
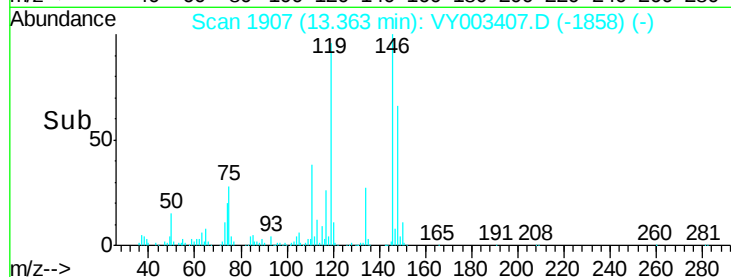
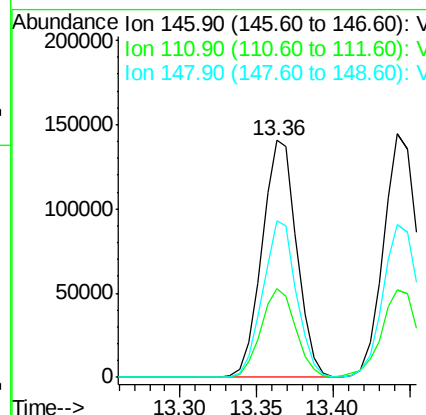
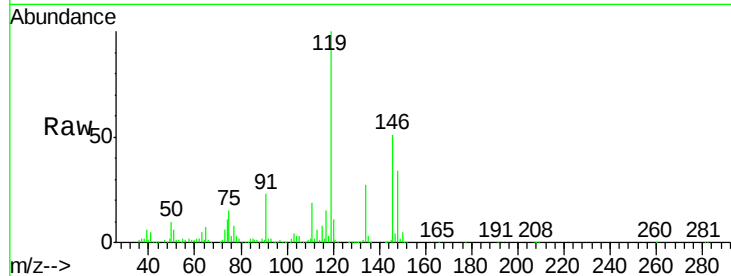
Instrument :
MSVOA_Y

ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	222418		
111	37.4	18.8	56.4	
148	64.1	31.9	95.9	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.771 ug/l

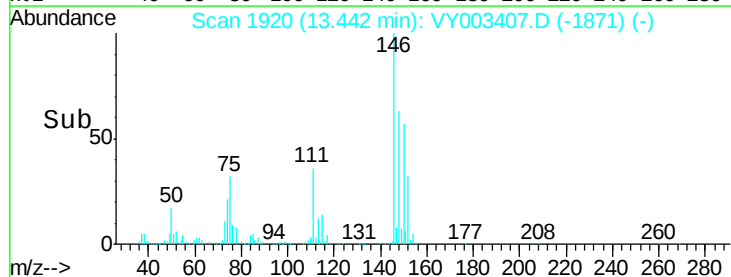
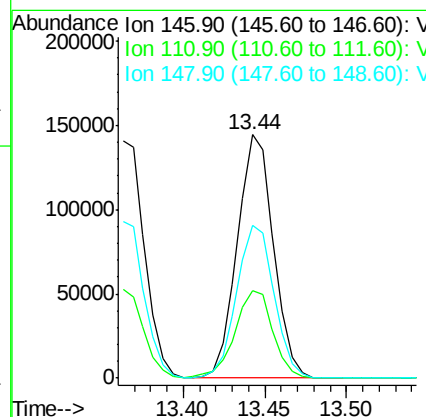
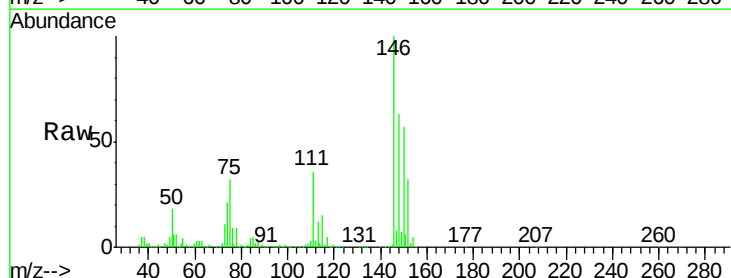
RT: 13.44 min Scan# 1920

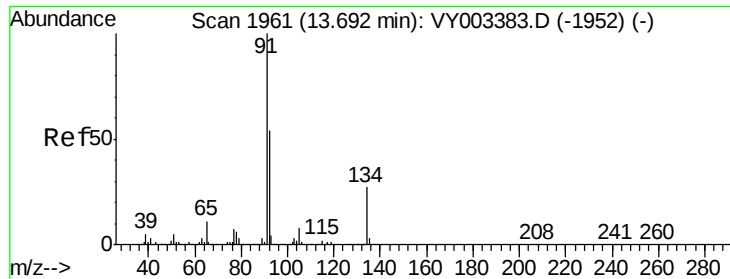
Delta R.T. -0.00 min

Lab File: VY003407.D

Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	223091		
111	37.8	18.1	54.3	
148	65.0	32.1	96.3	





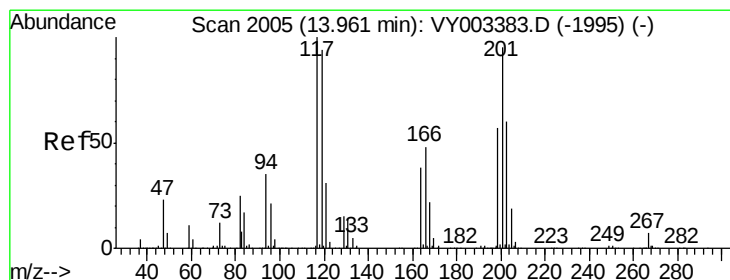
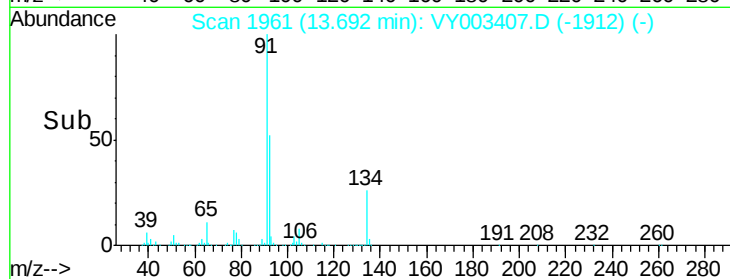
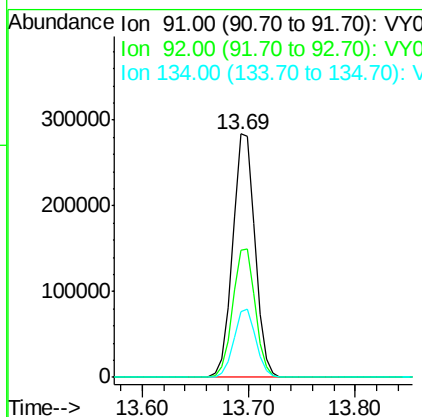
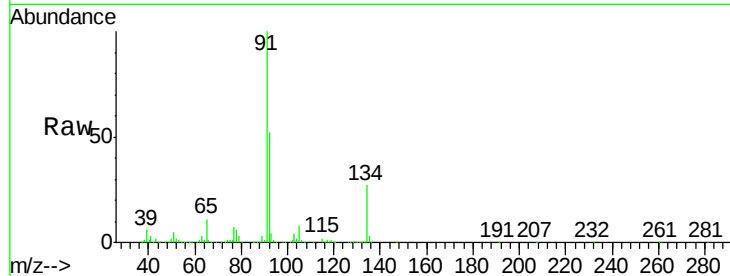
#89
n-Butylbenzene
Concen: 20.802 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.6
134	27.6	13.6	40.7

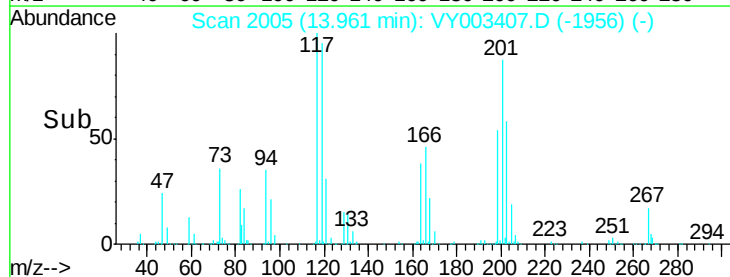
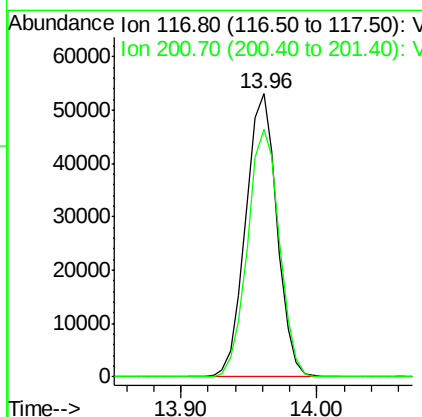
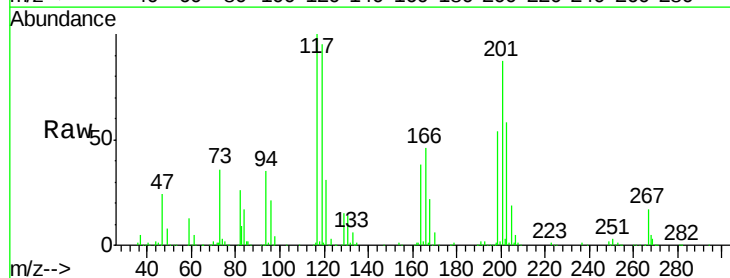
Manual Integrations
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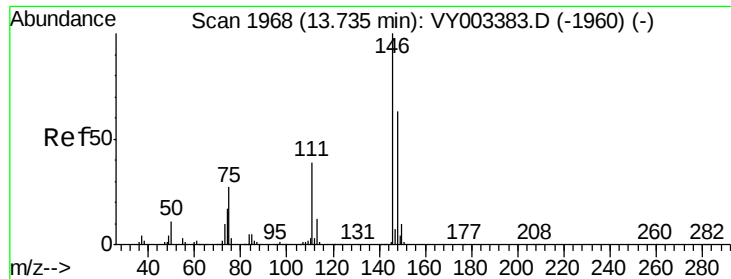
MMDadoda
8/4/2020 1:51:09 PM



#90
Hexachloroethane
Concen: 21.050 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	44.7	134.1





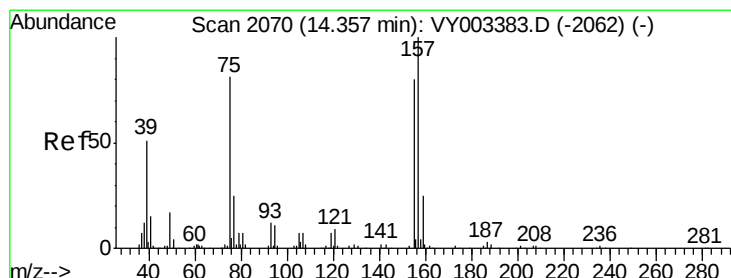
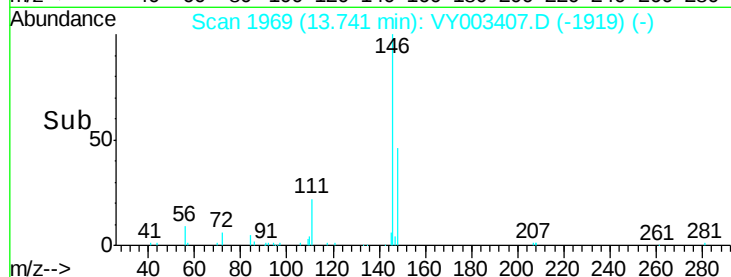
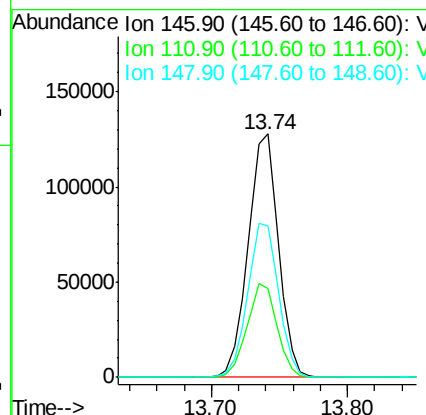
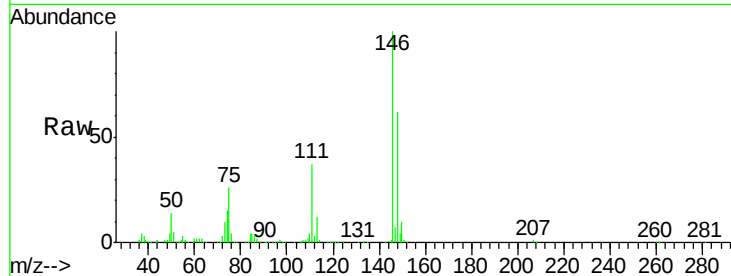
#91
 1,2-Dichlorobenzene
 Concen: 20.759 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199623		
111	38.1	19.2	57.6	
148	64.3	32.1	96.5	

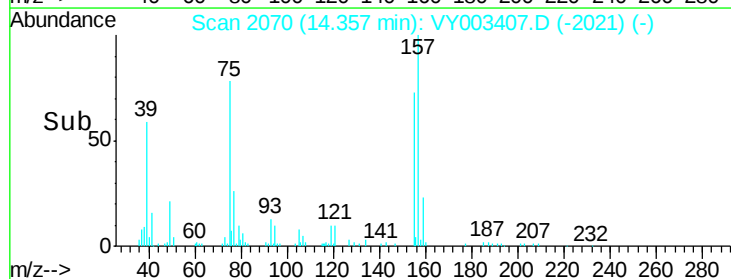
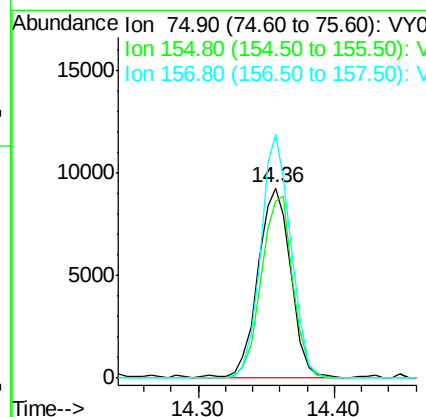
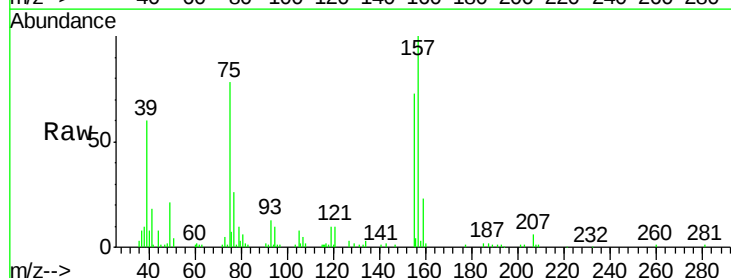
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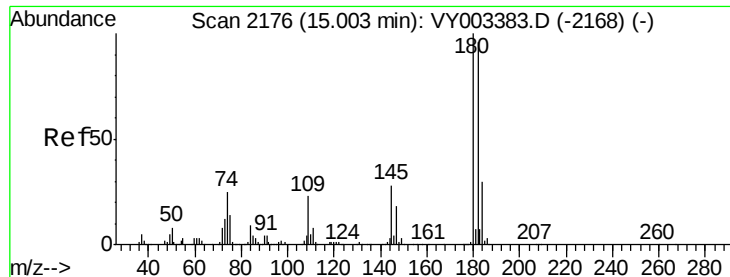
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.954 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15725		
155	91.5	48.8	146.4	
157	116.4	60.9	182.6	





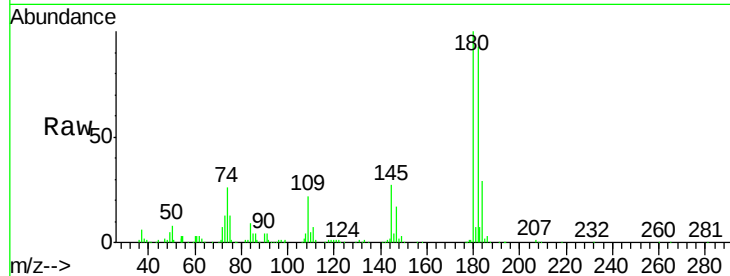
#93
 1,2,4-Trichlorobenzene
 Concen: 20.946 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0803SBS01

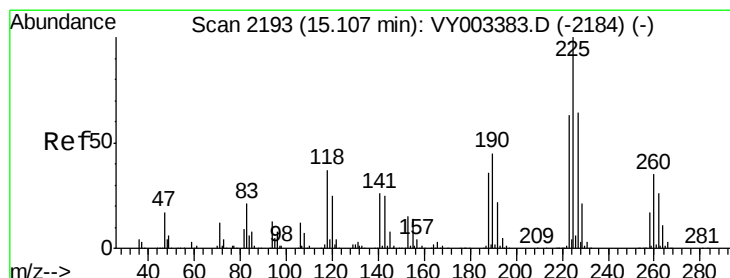
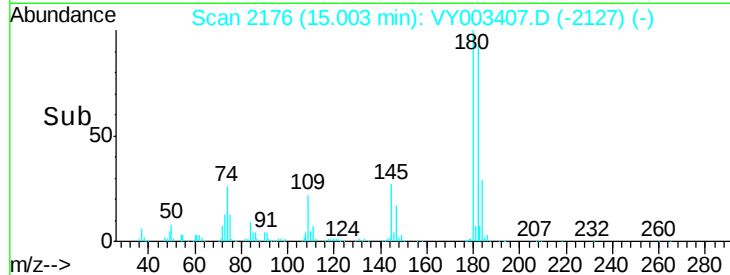
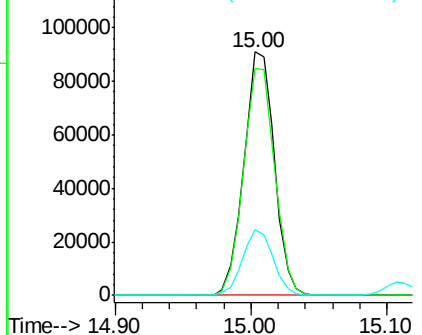
Tot Ion:	180	Resp:	142739
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.2	144.6
145	27.2	13.8	41.3

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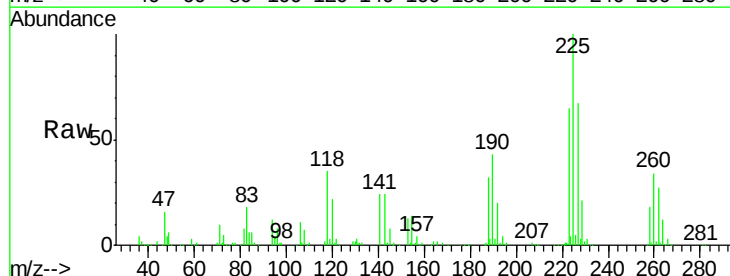


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

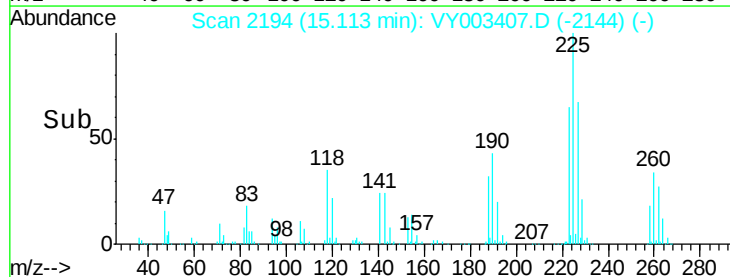
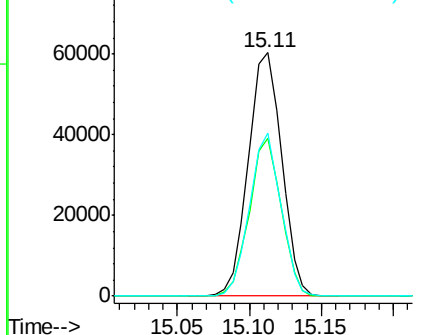


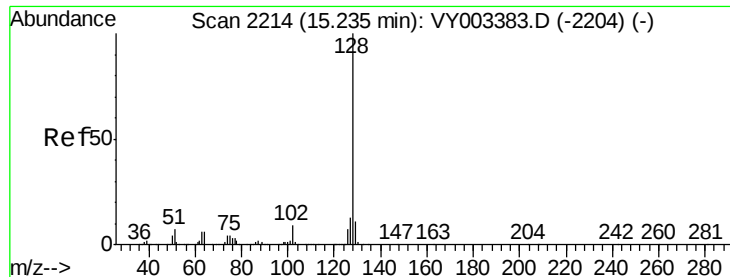
#94
 Hexachlorobutadiene
 Concen: 21.432 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY003407.D
 Acq: 03 Aug 2020 11:16

Tgt Ion:	225	Resp:	96724
Ion Ratio	Lower	Upper	
225	100		
223	61.8	31.6	94.8
227	62.7	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





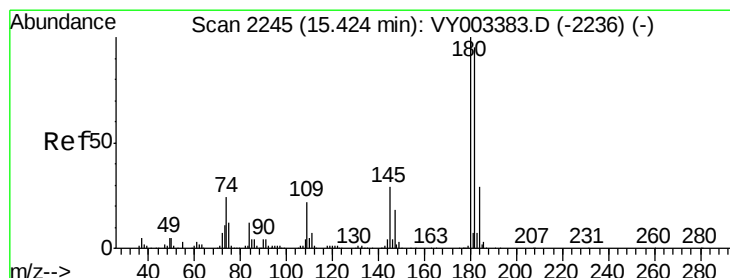
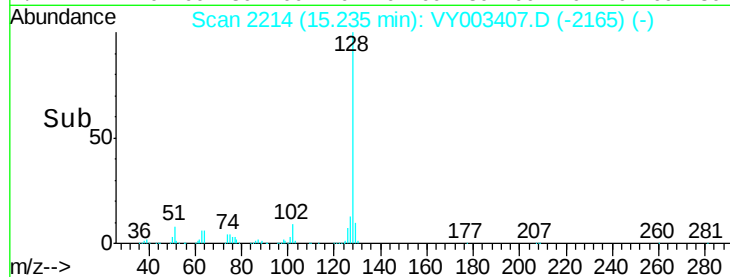
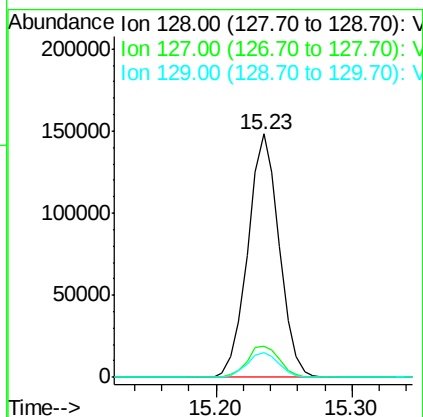
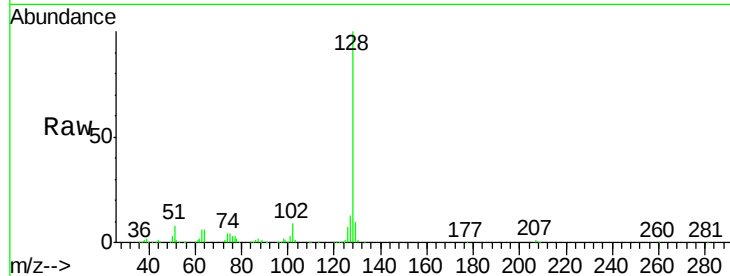
#95
Naphthalene
Concen: 20.716 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0803SBS01

Tot Ion:	128	Resp:	239140
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.6	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 20.656 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003407.D
Acq: 03 Aug 2020 11:16

Tgt Ion:	180	Resp:	113882
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.4	142.2
145	29.9	14.5	43.5

