

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003382.D
 Acq On : 31 Jul 2020 11:44
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 12:37:26 PM

Quant Time: Jul 31 12:35:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 12:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	500581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	738537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	679539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	368881	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	90526	20.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.12%	
35) Dibromofluoromethane	7.72	113	82522	18.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.96%	
50) Toluene-d8	10.18	98	312740	19.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.20%	
62) 4-Bromofluorobenzene	12.48	95	109431	18.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	84600	22.619	ug/l	100
3) Chloromethane	2.12	50	109616	21.397	ug/l	98
4) Vinyl Chloride	2.25	62	109677	20.859	ug/l	100
5) Bromomethane	2.63	94	82745	21.235	ug/l	97
6) Chloroethane	2.79	64	69175	20.181	ug/l	99
7) Trichlorofluoromethane	3.13	101	149476	20.066	ug/l	98
8) Diethyl Ether	3.53	74	52417	20.887	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	88908	19.807	ug/l	99
10) Methyl Iodide	4.10	142	100283	20.333	ug/l	98
11) Tert butyl alcohol	4.97	59	51771	111.637	ug/l	99
12) 1,1-Dichloroethene	3.88	96	86229	20.183	ug/l	92
13) Acrolein	3.73	56	54148	129.786	ug/l	97
14) Allyl chloride	4.49	41	142425m	22.096	ug/l	
15) Acrylonitrile	5.18	53	132443	109.812	ug/l	100
16) Acetone	3.95	43	112804	113.804	ug/l	97
17) Carbon Disulfide	4.20	76	284492	21.521	ug/l	100
18) Methyl Acetate	4.48	43	63113	23.343	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	239536	20.174	ug/l	99
20) Methylene Chloride	4.72	84	152627	26.091	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	97907	20.400	ug/l	97
22) Diisopropyl ether	6.13	45	305881	21.626	ug/l	99
23) Vinyl Acetate	6.07	43	1014244	107.821	ug/l	98
24) 1,1-Dichloroethane	6.02	63	170990	20.963	ug/l	98
25) 2-Butanone	7.00	43	177814	110.938	ug/l	100
26) 2,2-Dichloropropane	6.99	77	152394	20.760	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	109187	20.636	ug/l	97
28) Bromochloromethane	7.34	49	72275	21.084	ug/l	100
29) Tetrahydrofuran	7.35	42	120919	113.072	ug/l	100
30) Chloroform	7.51	83	170179	20.346	ug/l	99
31) Cyclohexane	7.79	56	161690	20.523	ug/l #	95
32) 1,1,1-Trichloroethane	7.71	97	152710	20.221	ug/l	99
36) 1,1-Dichloropropene	7.93	75	134460	19.709	ug/l	99
37) Ethyl Acetate	7.08	43	77834	21.119	ug/l	99
38) Carbon Tetrachloride	7.91	117	140769	20.038	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	166146	19.461	ug/l	96
40) Benzene	8.16	78	376447	20.029	ug/l	99
41) Methacrylonitrile	7.32	41	41551m	18.623	ug/l	
42) 1,2-Dichloroethane	8.24	62	116239	20.154	ug/l	100
43) Isopropyl Acetate	8.28	43	146884	20.661	ug/l	100
44) Trichloroethene	8.94	130	109285	19.151	ug/l	94
45) 1,2-Dichloropropane	9.22	63	100802	20.684	ug/l	97
46) Dibromomethane	9.31	93	56348	20.043	ug/l	99
47) Bromodichloromethane	9.50	83	136000	20.191	ug/l	99
48) Methyl methacrylate	9.30	41	66457	20.876	ug/l	99
49) 1,4-Dioxane	9.30	88	14271	398.959	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	397949	107.628	ug/l	98
52) Toluene	10.24	92	235496	19.642	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	143979	20.612	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	160777	19.965	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	76673	19.136	ug/l	96
56) Ethyl methacrylate	10.51	69	108091	19.917	ug/l	100
57) 1,3-Dichloropropane	10.79	76	138352	20.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	274059	101.554	ug/l	99
59) 2-Hexanone	10.83	43	275246	106.584	ug/l	99
60) Dibromochloromethane	10.99	129	97866	19.468	ug/l	99
61) 1,2-Dibromoethane	11.09	107	77303	19.684	ug/l	97
64) Tetrachloroethene	10.72	164	110321	18.169	ug/l	98
65) Chlorobenzene	11.52	112	260017	19.555	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	100196	19.387	ug/l	99
67) Ethyl Benzene	11.59	91	462860	19.443	ug/l	99
68) m/p-Xylenes	11.70	106	353218	39.149	ug/l	99
69) o-Xylene	12.03	106	162054	19.201	ug/l	97
70) Styrene	12.04	104	280644	19.443	ug/l	99
71) Bromoform	12.20	173	66649	19.781	ug/l #	97
73) Isopropylbenzene	12.33	105	448131	18.756	ug/l	99
74) N-amyl acetate	12.14	43	136145	20.254	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	94362	20.447	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	65854m	19.978	ug/l	
77) Bromobenzene	12.61	156	115891	19.054	ug/l	99
78) n-propylbenzene	12.67	91	546026	19.330	ug/l	100
79) 2-Chlorotoluene	12.75	91	301800	19.195	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	382635	19.192	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	34155	20.081	ug/l	99
82) 4-Chlorotoluene	12.85	91	320072	19.506	ug/l	98
83) tert-Butylbenzene	13.07	119	336621	19.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	388439	19.352	ug/l	98
85) sec-Butylbenzene	13.25	105	463407	19.155	ug/l	99
86) p-Isopropyltoluene	13.37	119	429176	19.000	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	220055	19.091	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	220376	19.303	ug/l	99
89) n-Butylbenzene	13.69	91	414276	19.495	ug/l	99
90) Hexachloroethane	13.96	117	81970	19.801	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	196053	19.363	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14841	19.873	ug/l	98

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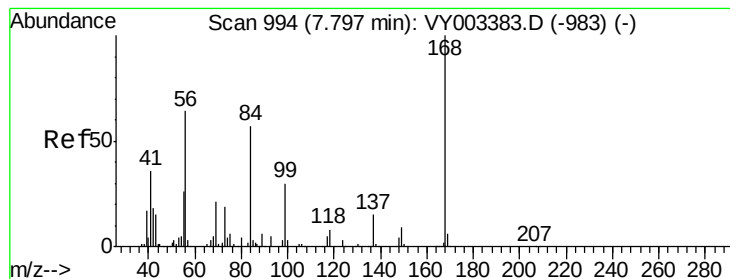
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	142940	19.823	ug/l	99
94) Hexachlorobutadiene	15.11	225	93446	18.992	ug/l	99
95) Naphthalene	15.23	128	240628	20.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	113519	19.763	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 500581

Ion Ratio Lower Upper

168 100

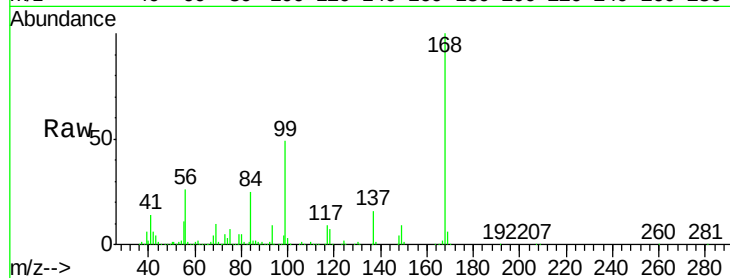
99 48.9 38.8 58.2

Manual Integrations

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8/3/2020 12:37:26 PM



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

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

7.80

250000

200000

150000

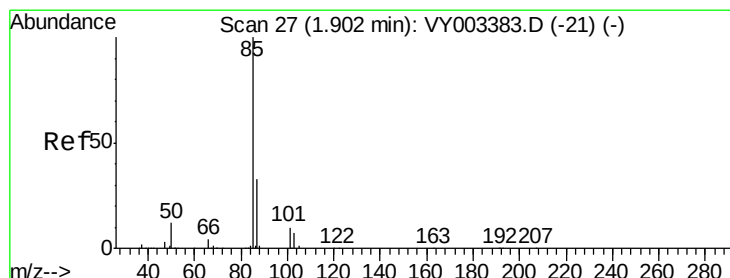
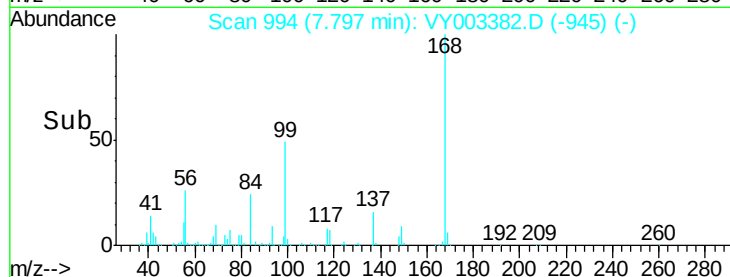
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.619 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY003382.D

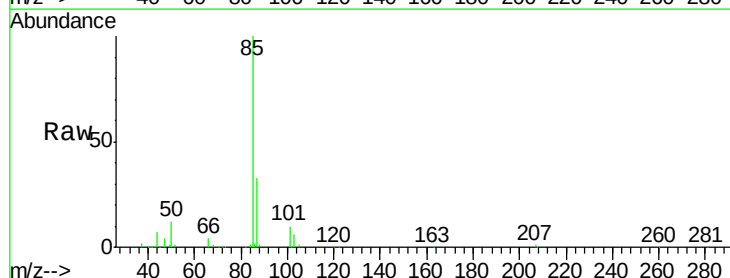
Acq: 31 Jul 2020 11:44

Tgt Ion: 85 Resp: 84600

Ion Ratio Lower Upper

85 100

87 32.7 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

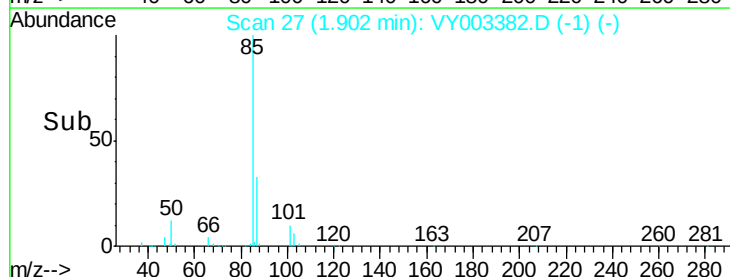
20000

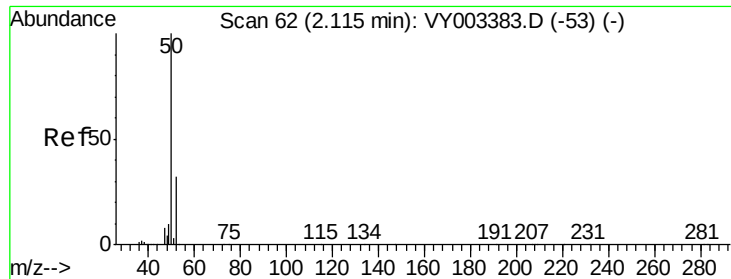
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 21.397 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 109616

Ion Ratio Lower Upper

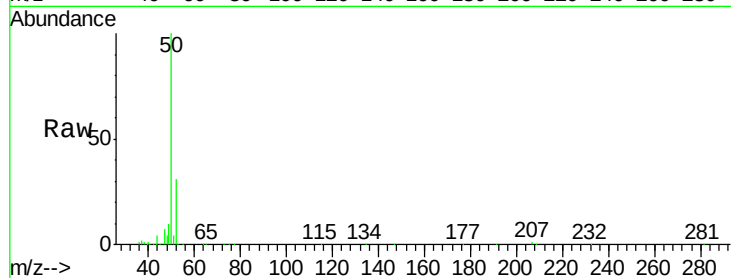
50 100

52 31.4 25.9 38.9

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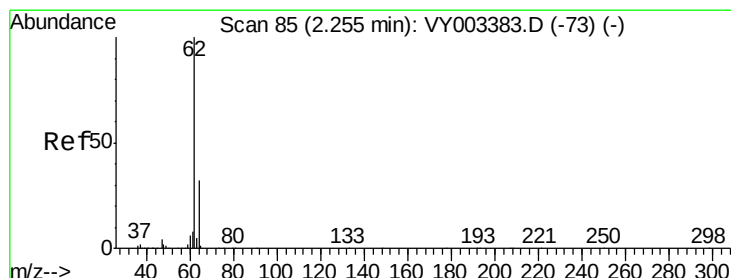
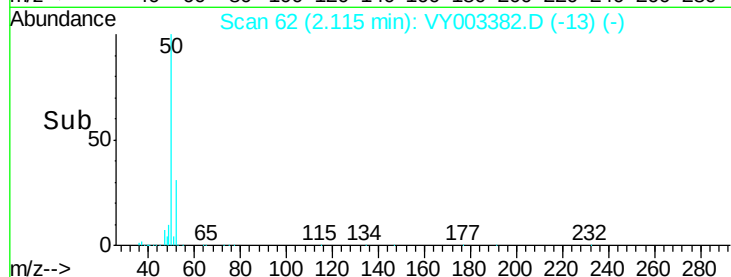
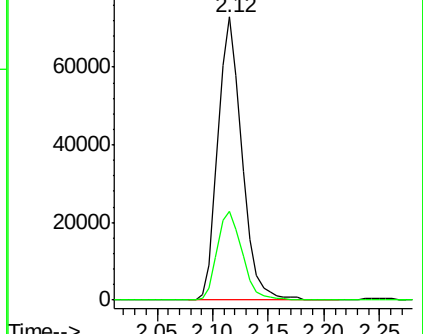
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.859 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY003382.D

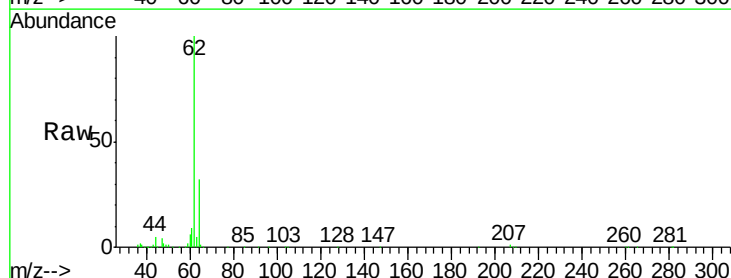
Acq: 31 Jul 2020 11:44

Tgt Ion: 62 Resp: 109677

Ion Ratio Lower Upper

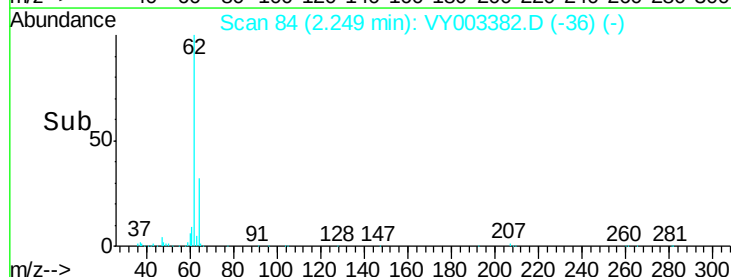
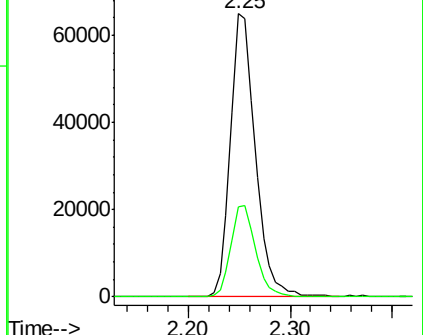
62 100

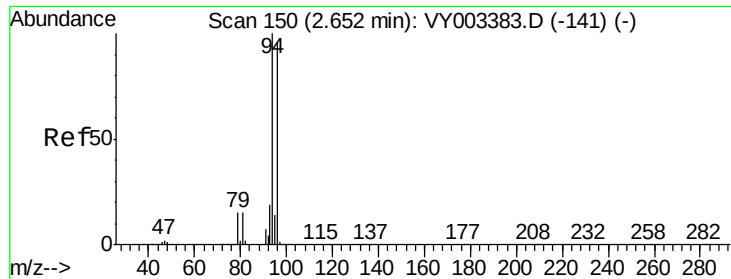
64 31.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 21.235 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.02 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 82745

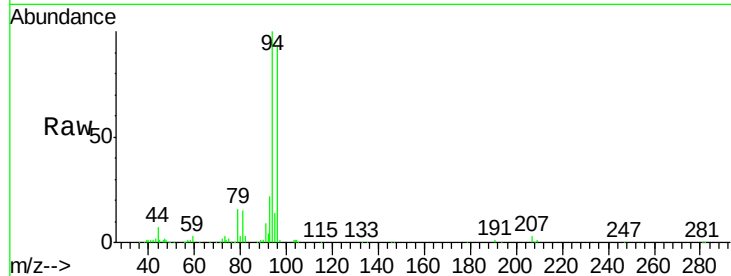
Ion Ratio Lower Upper

94 100

96 92.8 76.6 115.0

Manual Integrations
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8/3/2020 12:37:26 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.63

40000

30000

20000

10000

0

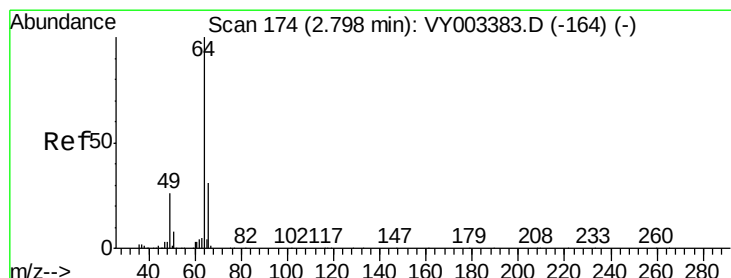
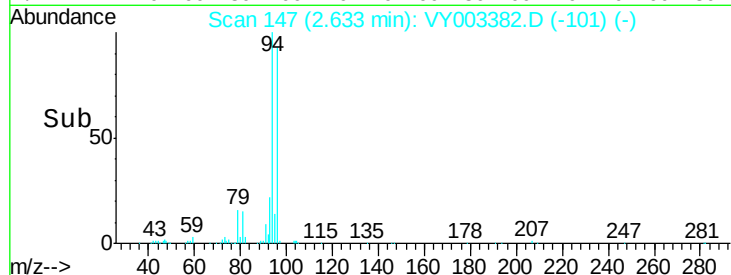
Time-->

2.50

2.60

2.70

2.80



#6

Chloroethane

Concen: 20.181 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003382.D

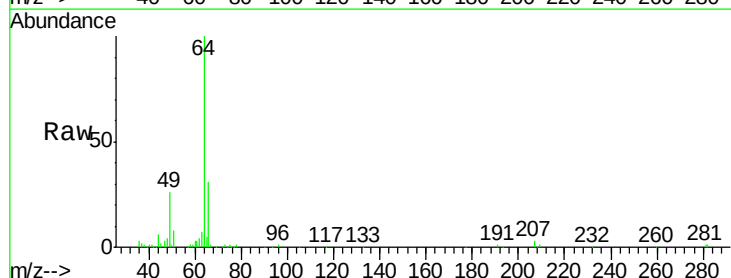
Acq: 31 Jul 2020 11:44

Tgt Ion: 64 Resp: 69175

Ion Ratio Lower Upper

64 100

66 30.4 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

30000

20000

10000

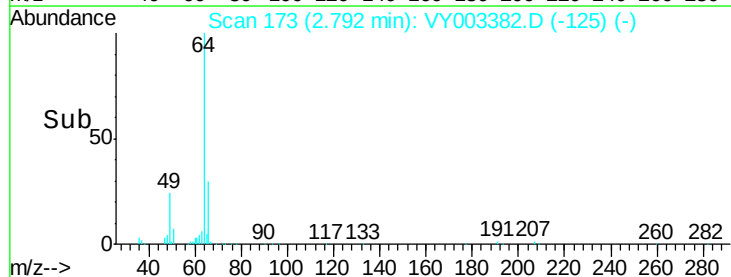
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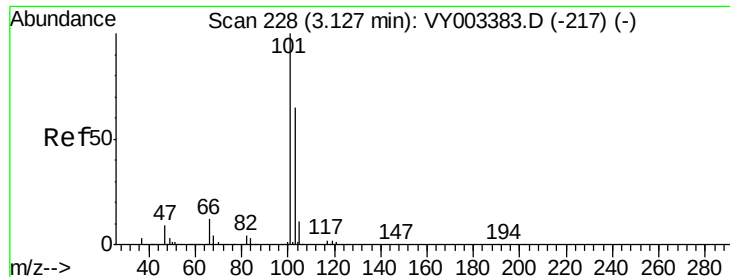
Time-->

2.70

2.80

2.90





#7

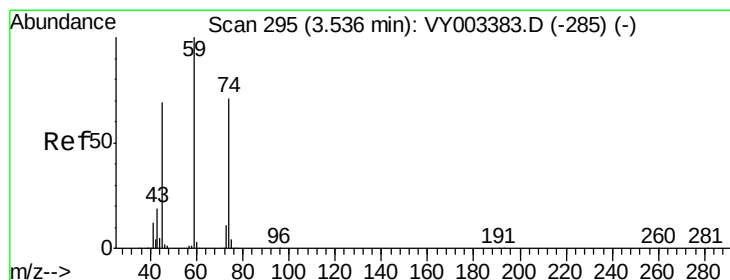
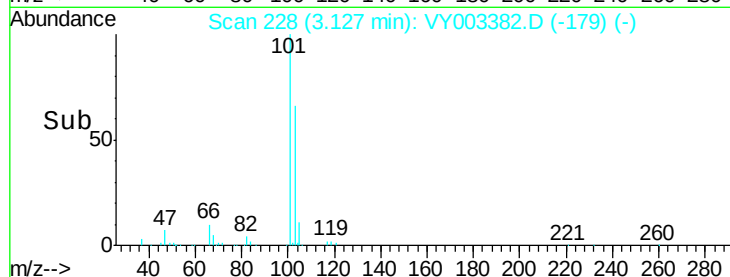
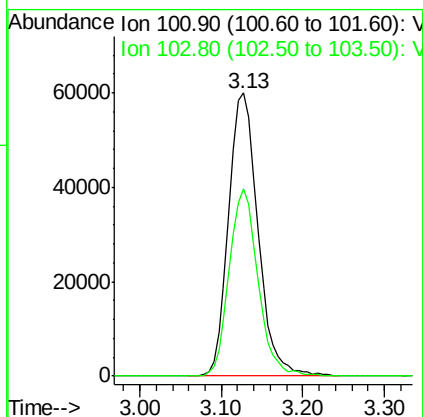
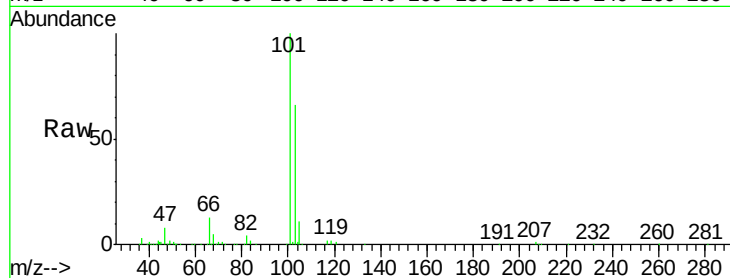
Trichlorofluoromethane
 Concen: 20.066 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6

Manual Integrations
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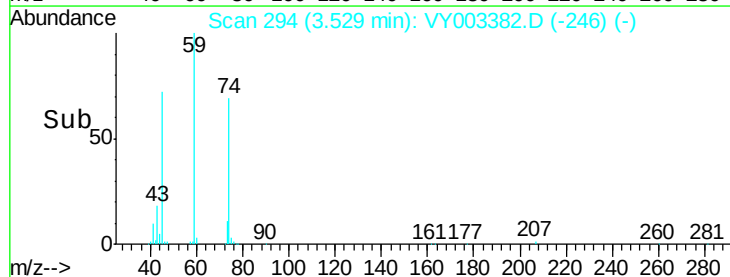
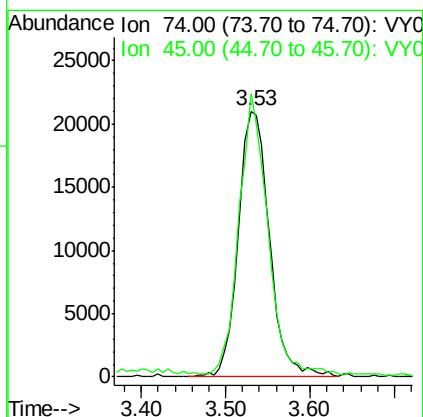
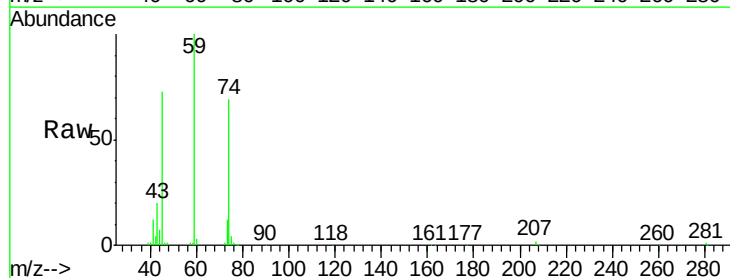
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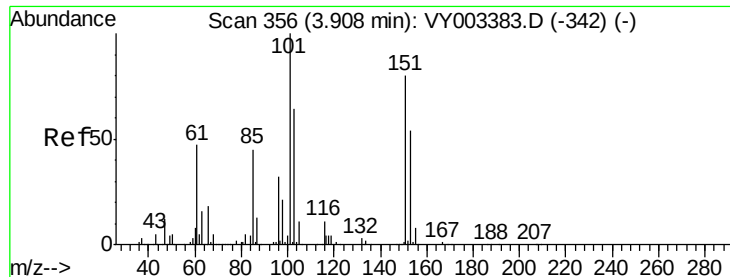


#8

Diethyl Ether
 Concen: 20.887 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.807 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

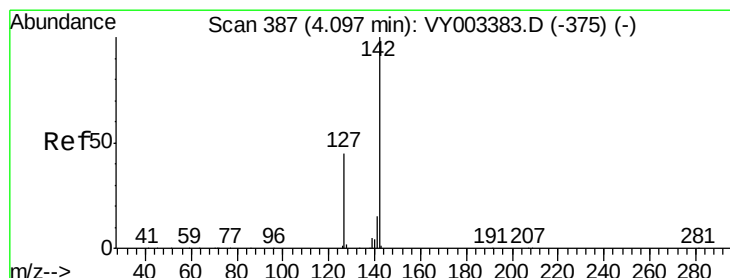
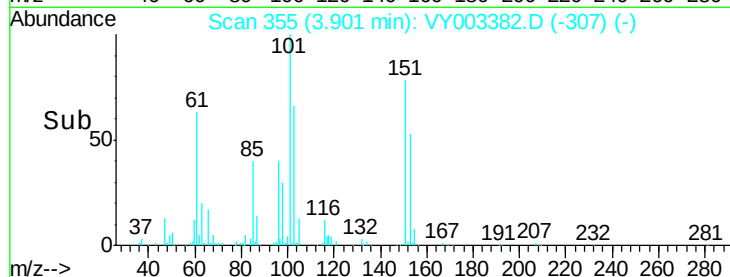
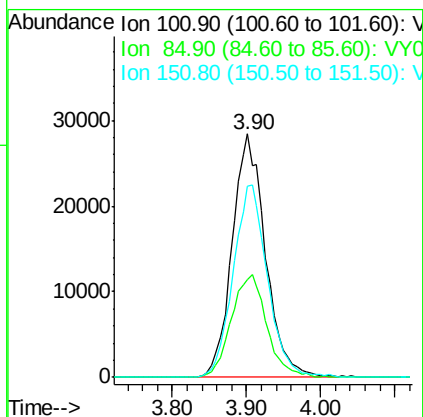
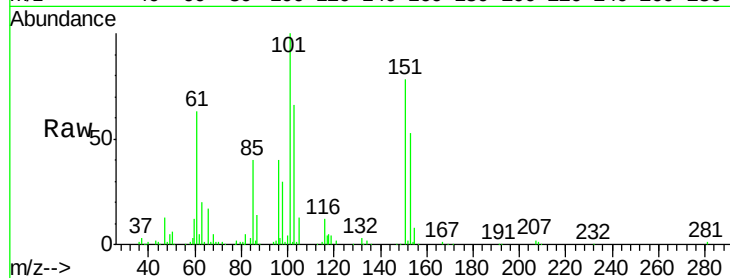
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	88908
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.7	53.5
151	81.6	65.7	98.5

Manual Integrations
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#10

Methyl Iodide

Concen: 20.333 ug/l

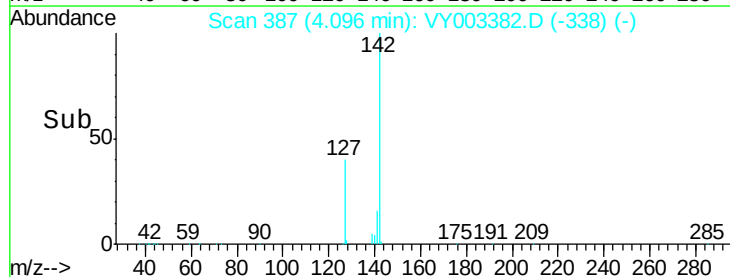
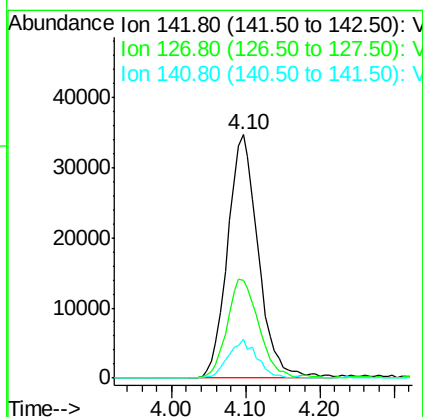
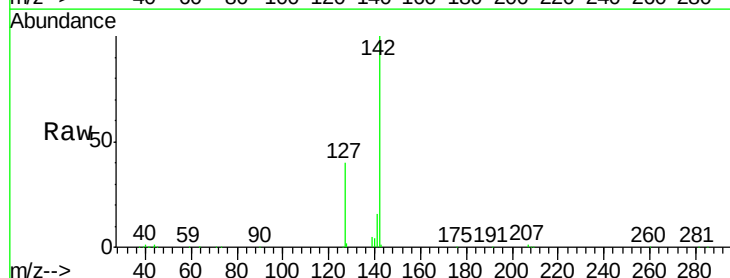
RT: 4.10 min Scan# 387

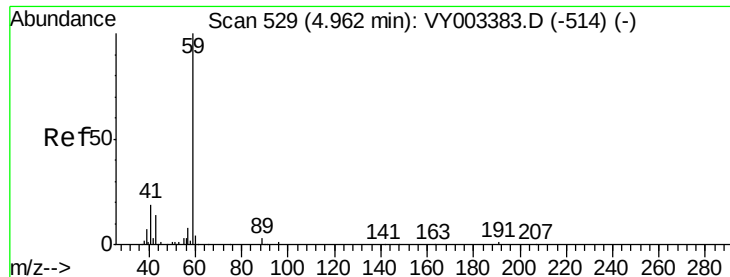
Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tgt Ion:	142	Resp:	100283
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.6	52.0
141	14.6	11.4	17.0





#11

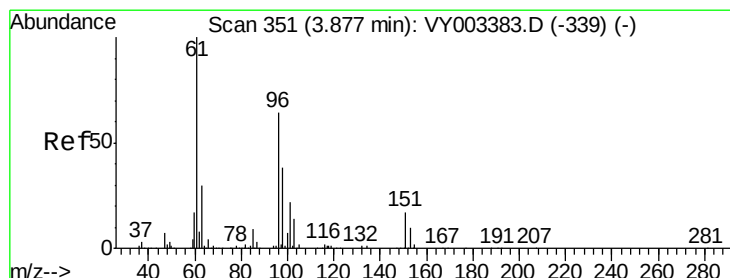
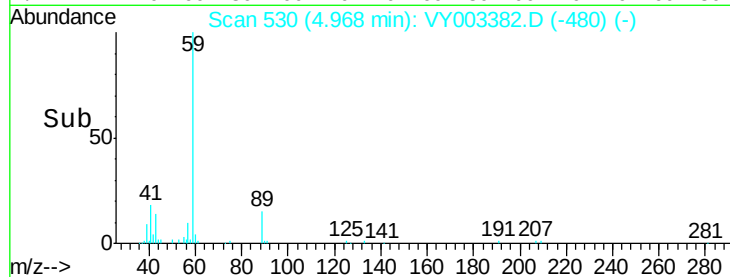
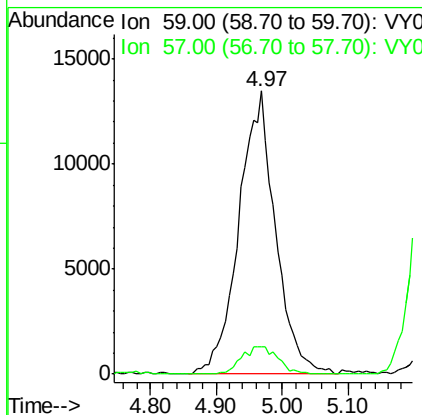
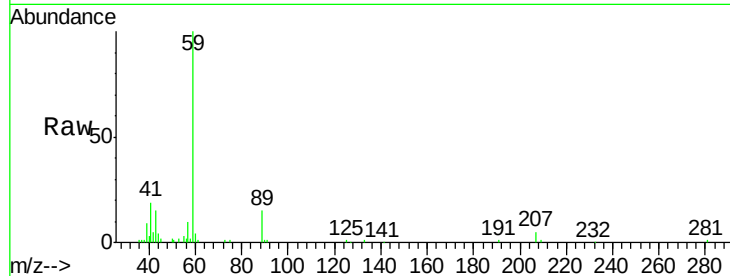
Tert butyl alcohol
 Concen: 111.637 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC020

Tot Ion	59	Resp	51771
Ion Ratio	100	Lower	Upper
59	100		
57	9.7	8.0	12.0

Manual Integrations
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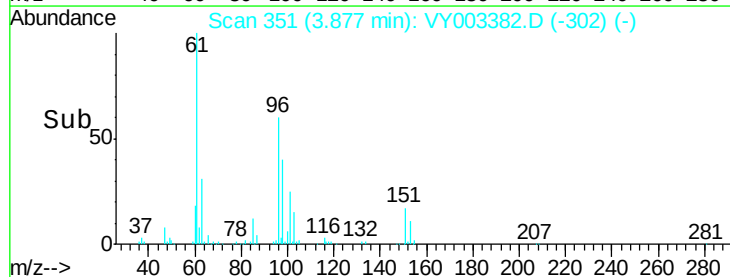
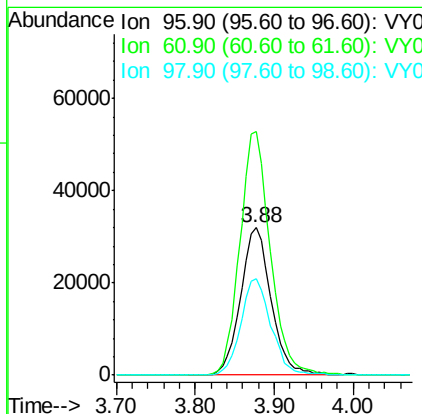
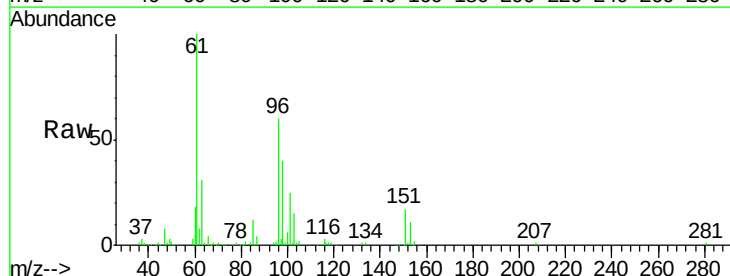
MMDadoda
 8/3/2020 12:37:26 PM

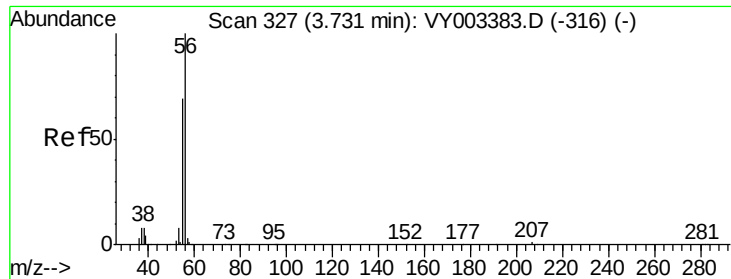


#12

1,1-Dichloroethene
 Concen: 20.183 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion	96	Resp	86229
Ion Ratio	100	Lower	Upper
96	100		
61	165.4	124.7	187.1
98	65.9	47.4	71.2





#13

Acrolein

Concen: 129.786 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 54148

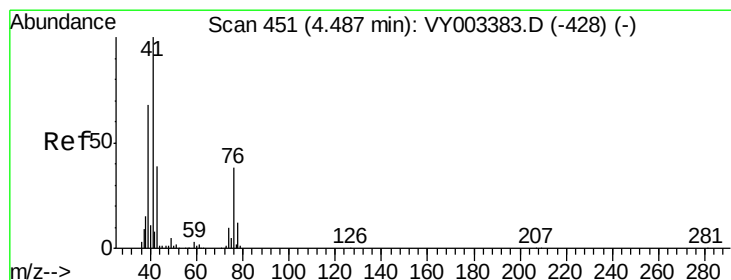
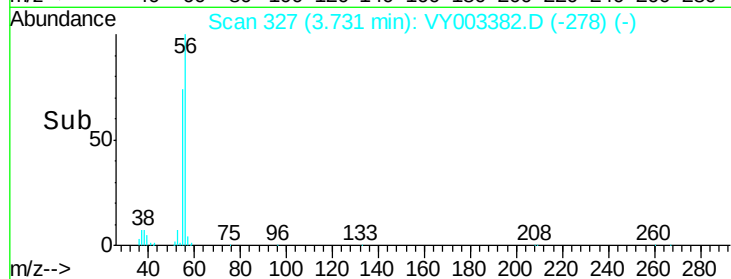
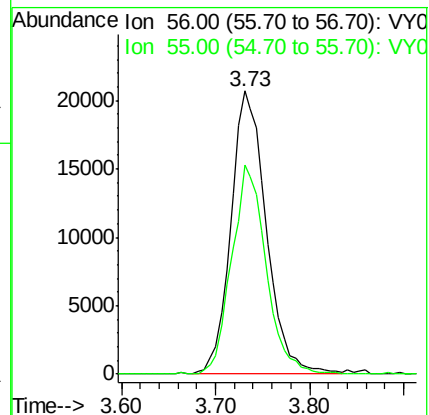
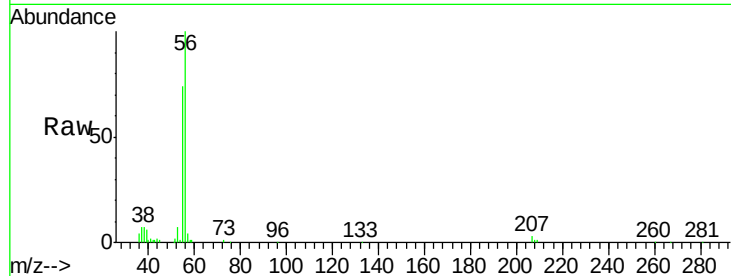
Ion Ratio Lower Upper

56 100

55 71.8 55.5 83.3

Manual Integrations
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#14

Allyl chloride

Concen: 22.096 ug/l m

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

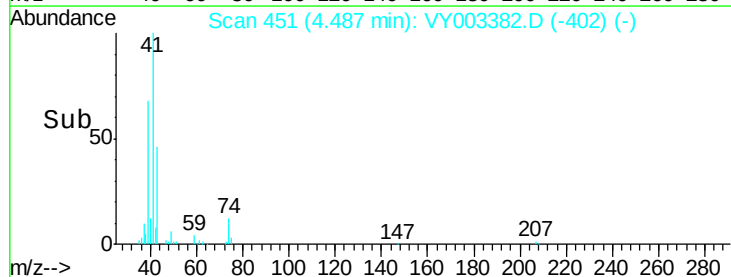
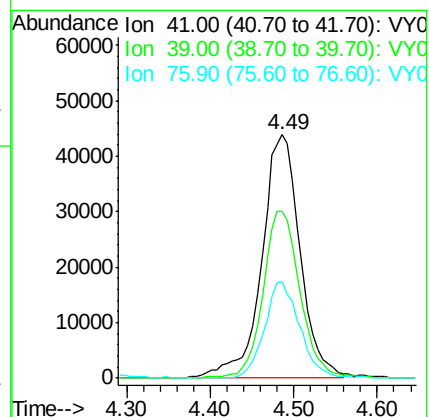
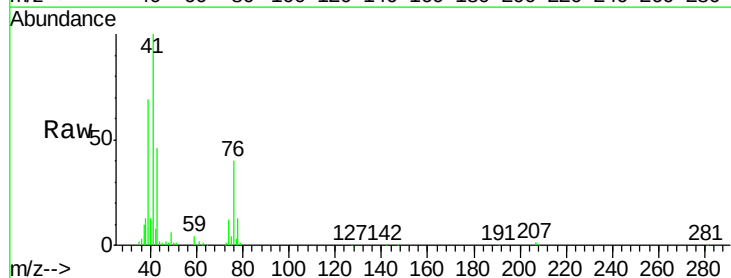
Tgt Ion: 41 Resp: 142425

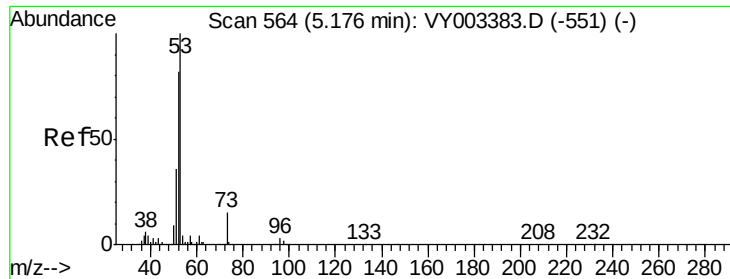
Ion Ratio Lower Upper

41 100

39 0.0 52.7 79.1#

76 0.0 29.8 44.6#





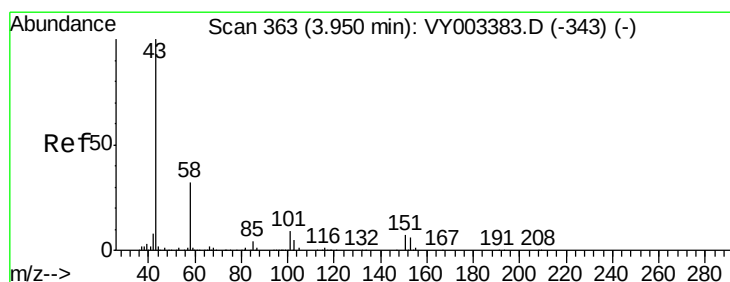
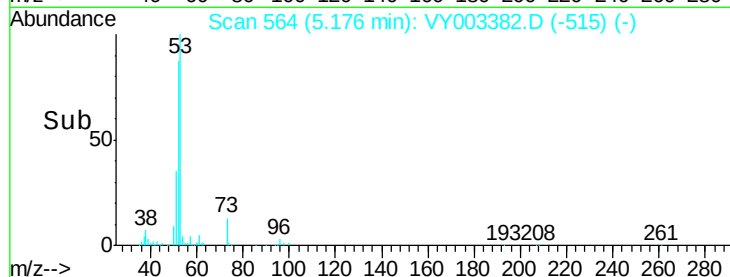
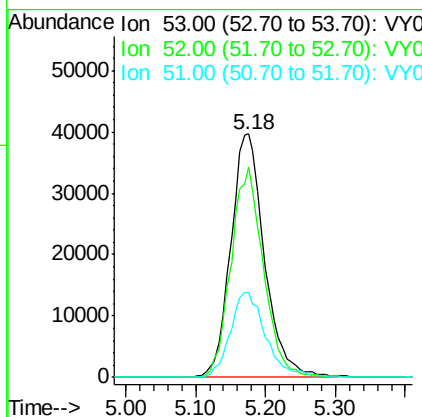
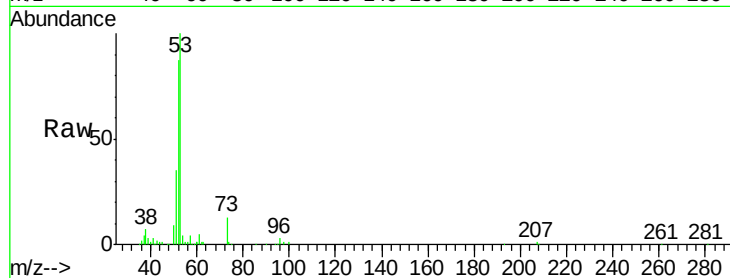
#15
 Acrylonitrile
 Concen: 109.812 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC020

Tot Ion:	53	Resp:	132443
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.0	100.6
51	36.7	29.3	43.9

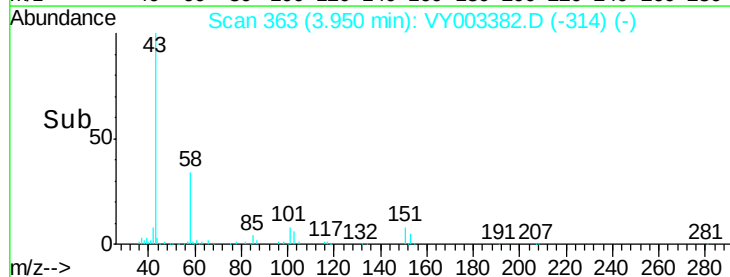
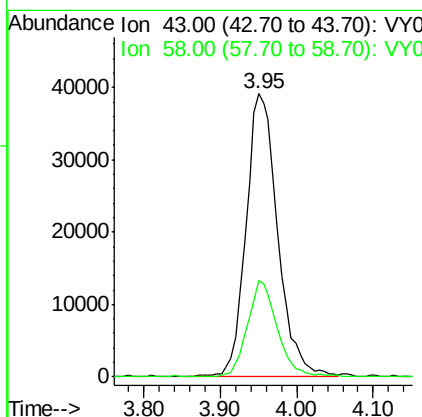
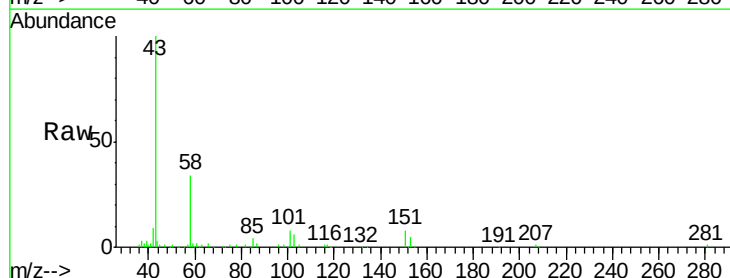
Manual Integrations
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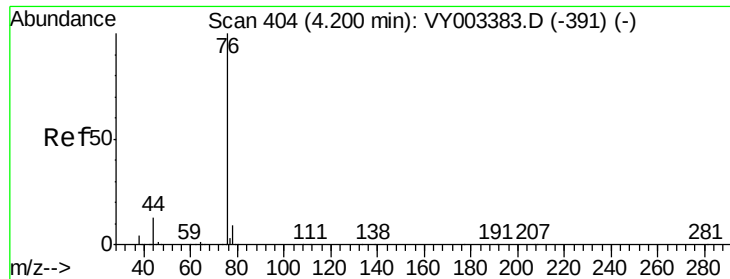
MMDadoda
 8/3/2020 12:37:26 PM



#16
 Acetone
 Concen: 113.804 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion:	43	Resp:	112804
Ion	Ratio	Lower	Upper
43	100		
58	33.6	25.4	38.2





#17

Carbon Disulfide

Concen: 21.521 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 284492

Ion Ratio Lower Upper

76 100

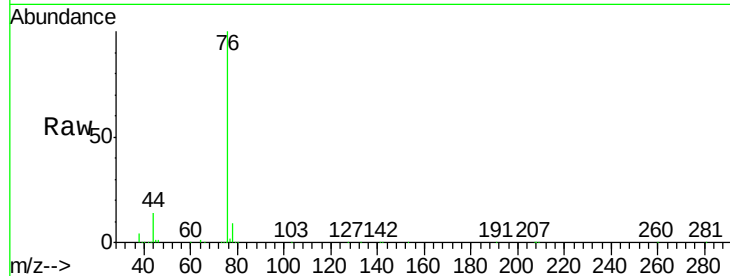
78 9.5 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

120000

100000

80000

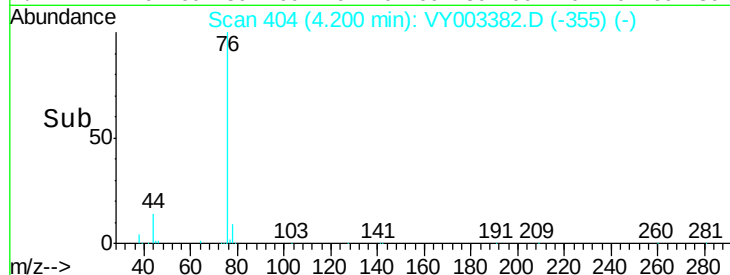
60000

40000

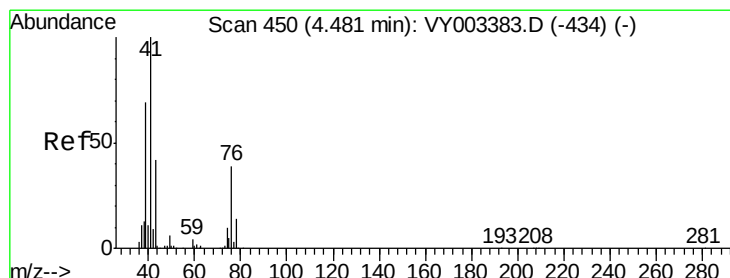
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 23.343 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY003382.D

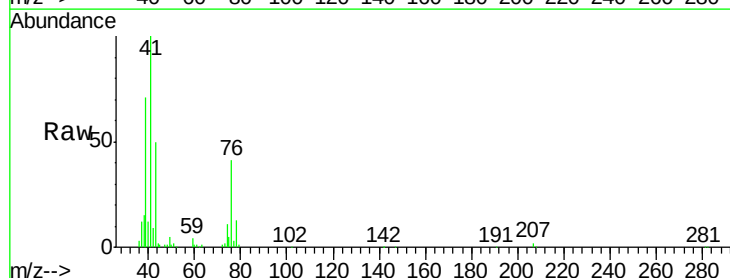
Acq: 31 Jul 2020 11:44

Tgt Ion: 43 Resp: 63113

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

25000

20000

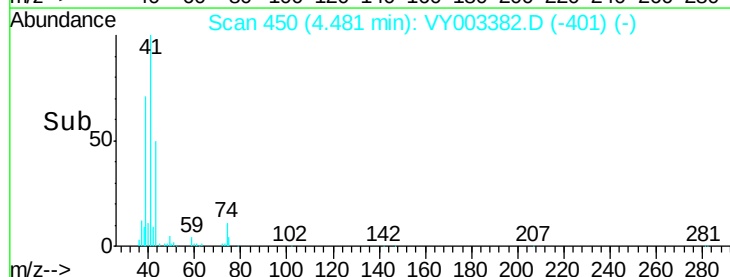
15000

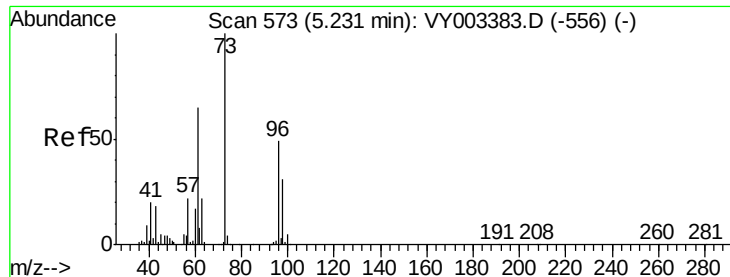
10000

5000

0

Time-->





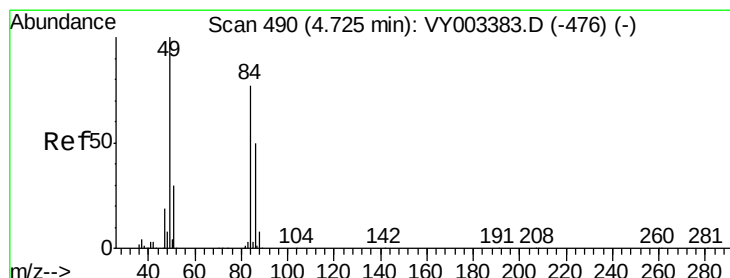
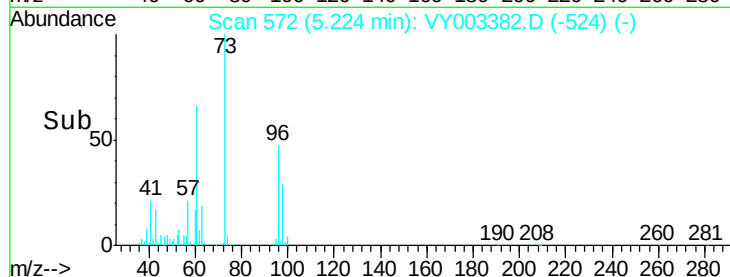
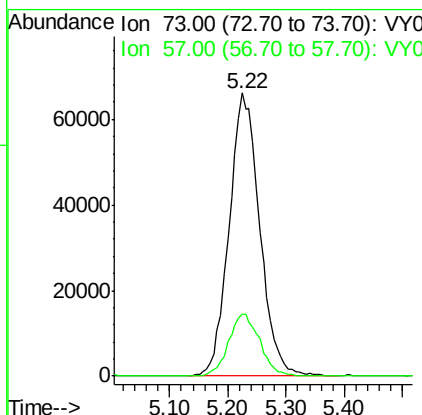
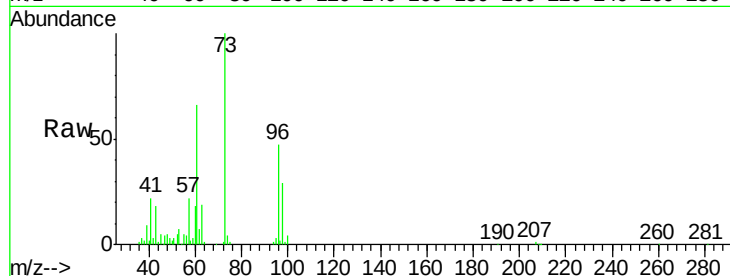
#19
Methyl tert-butyl Ether
Concen: 20.174 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.8	26.8

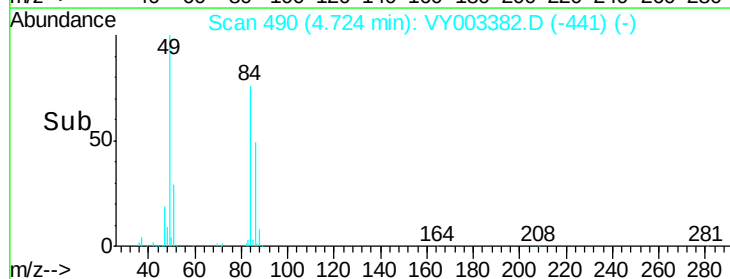
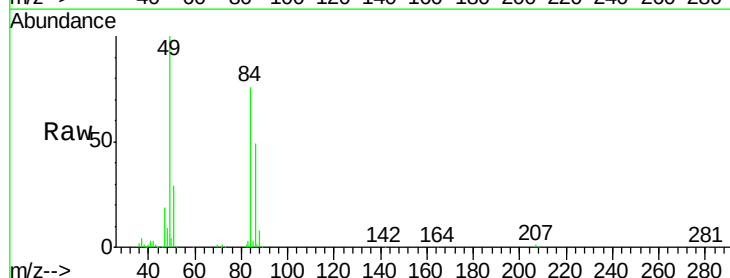
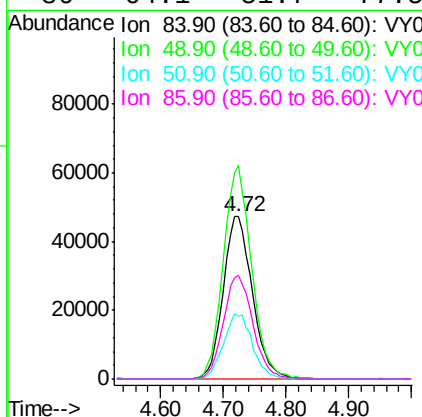
Manual Integrations
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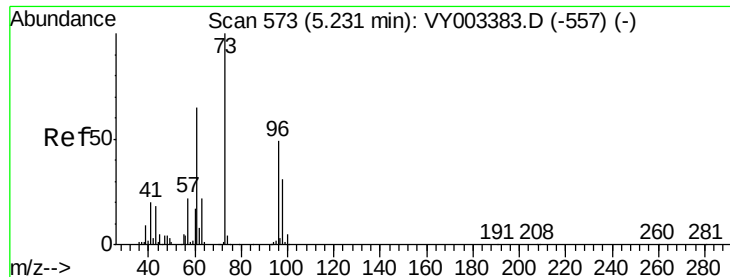
MMDadoda
8/3/2020 12:37:26 PM



#20
Methylene Chloride
Concen: 26.091 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.4	104.2	156.4
51	38.3	31.5	47.3
86	64.1	51.7	77.5





#21

trans-1,2-Dichloroethene

Concen: 20.400 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

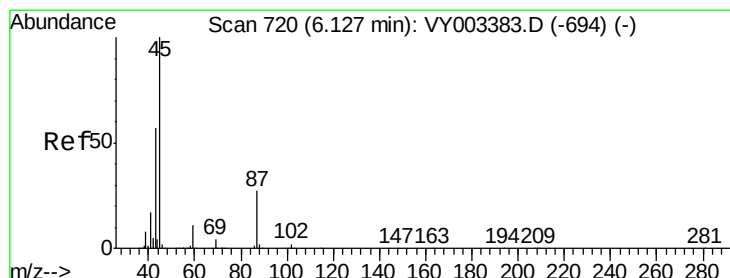
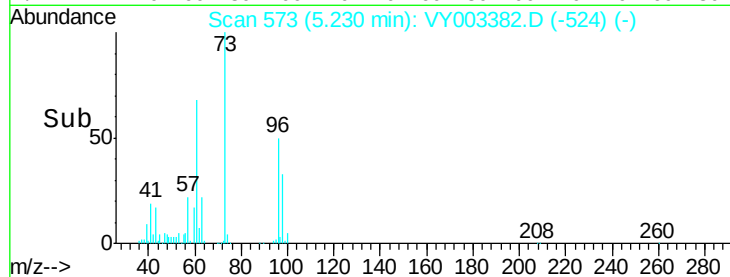
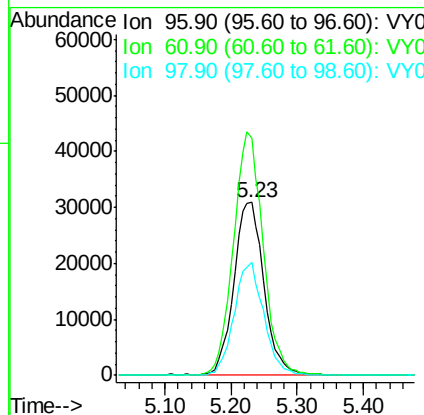
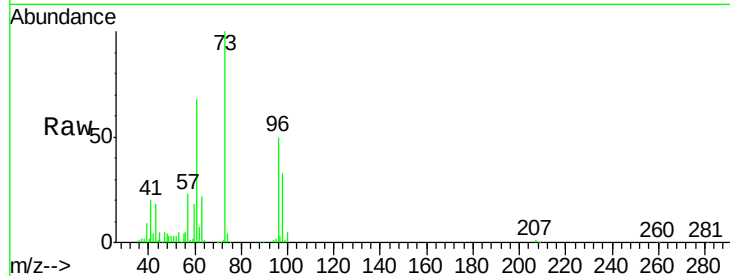
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	97907
Ion	Ratio	Lower	Upper
96	100		
61	137.2	106.3	159.5
98	65.6	50.8	76.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.626 ug/l

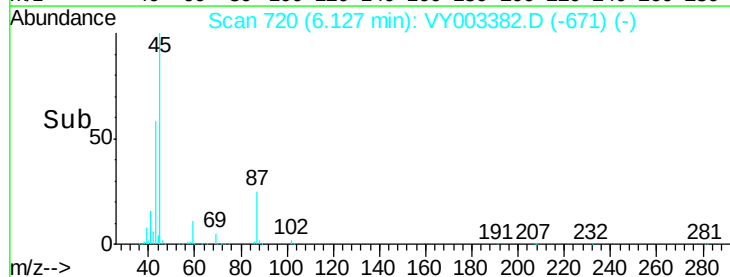
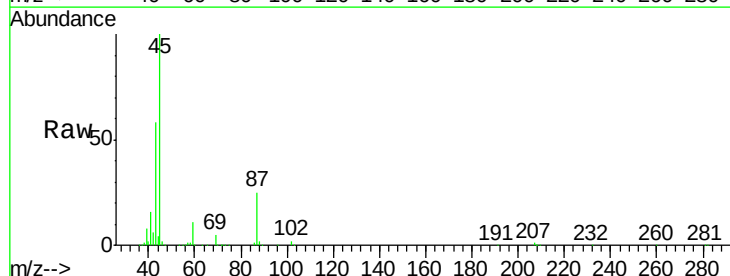
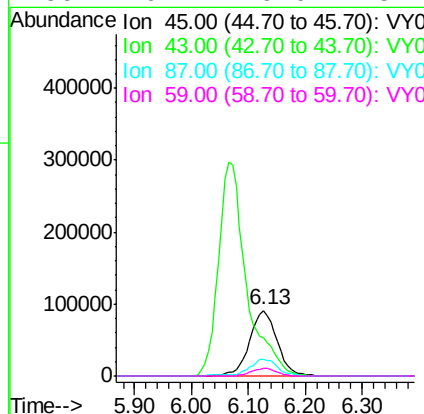
RT: 6.13 min Scan# 720

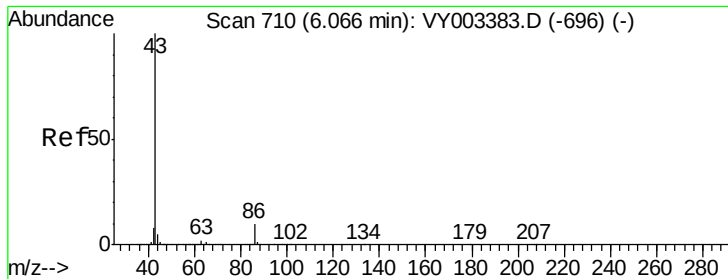
Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tgt Ion:	45	Resp:	305881
Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.6	68.4
87	25.4	21.3	31.9
59	10.7	9.0	13.4





#23

Vinyl Acetate

Concen: 107.821 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tot Ion: 43 Resp: 1014244

Ion Ratio Lower Upper

43 100

86 10.9 8.0 12.0

Instrument :

MSVOA_Y

ClientSampleId :

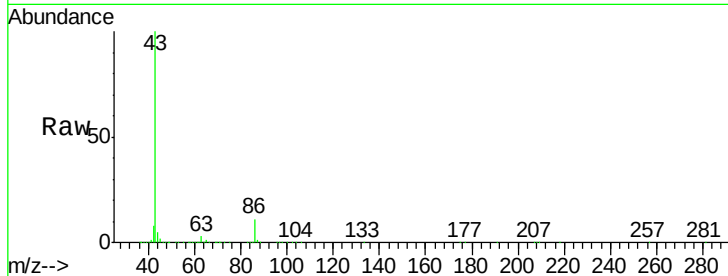
VSTDIC020

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

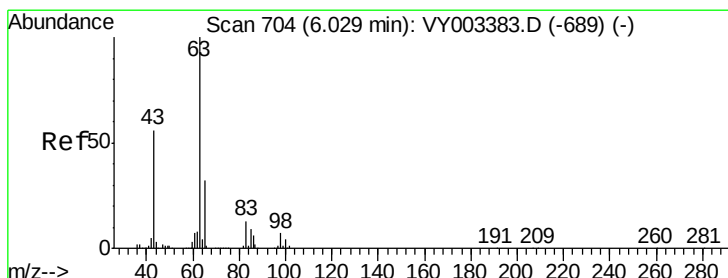
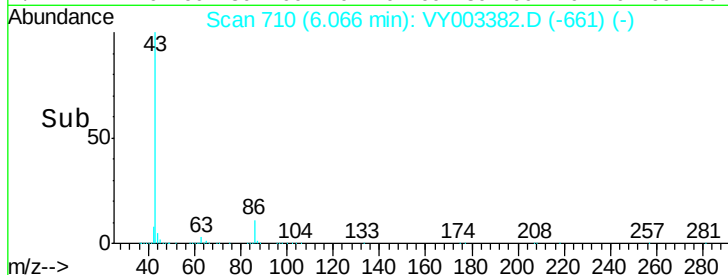
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.963 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

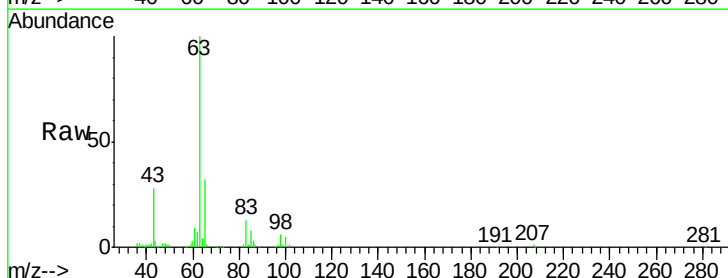
Tgt Ion: 63 Resp: 170990

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.6

100 4.6 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

6.02

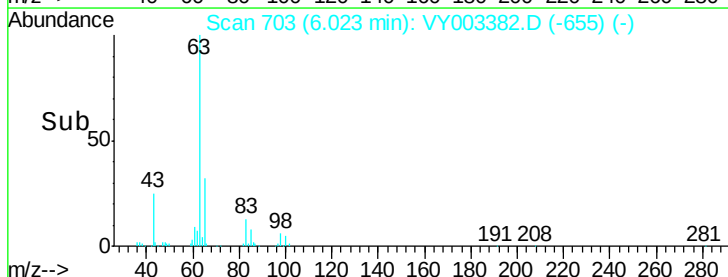
60000

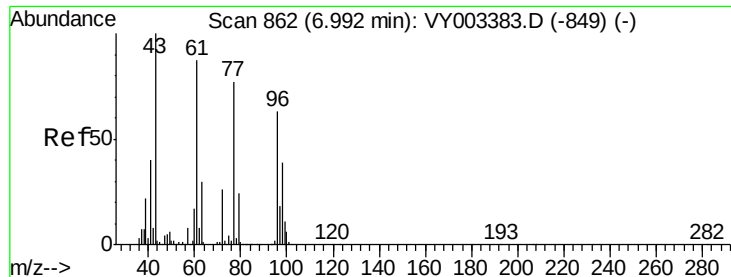
40000

20000

0

Time-->





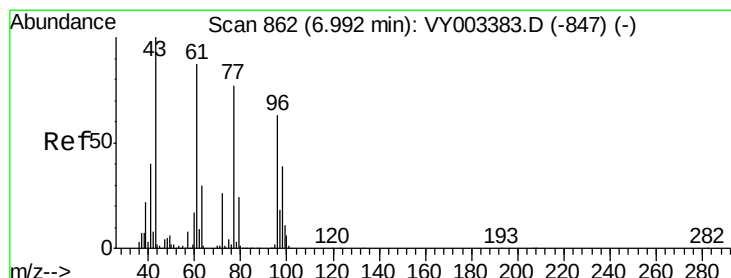
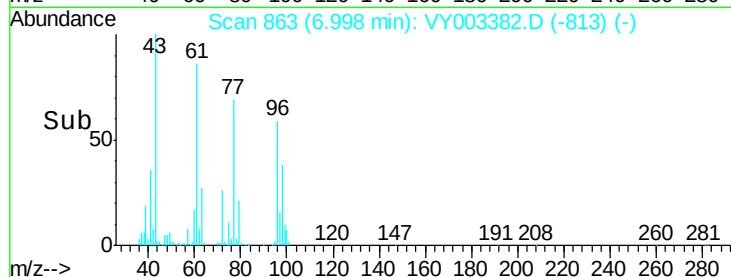
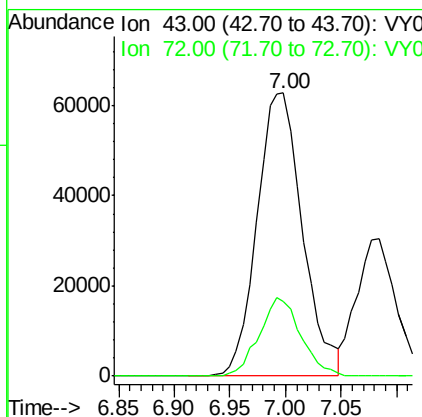
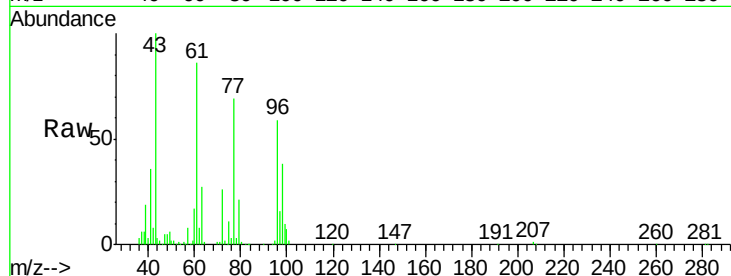
#25
2-Butanone
Concen: 110.938 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	177814
Ion Ratio	43	100	
Lower	72	26.4	21.1
Upper			31.7

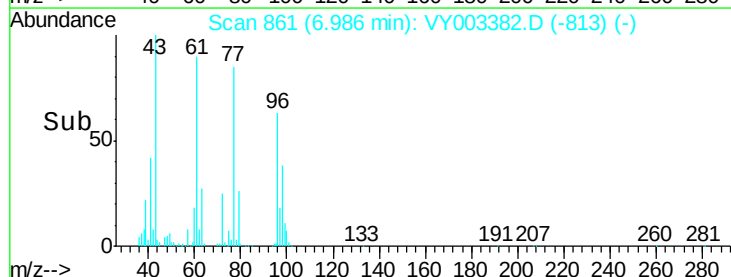
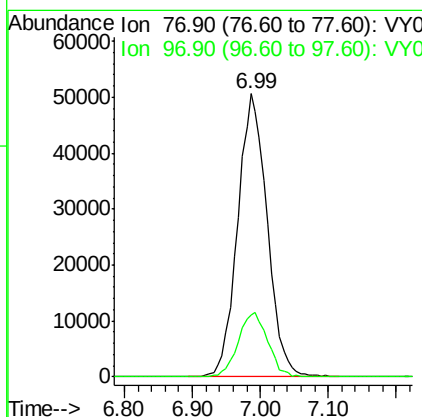
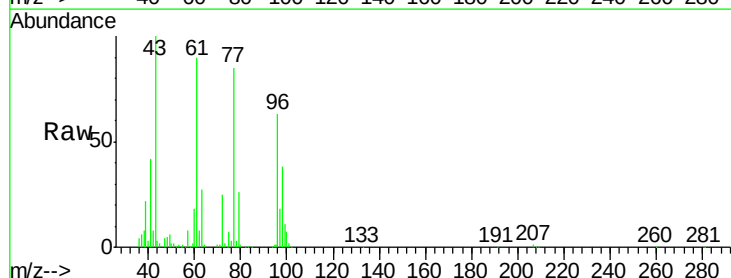
Manual Integrations
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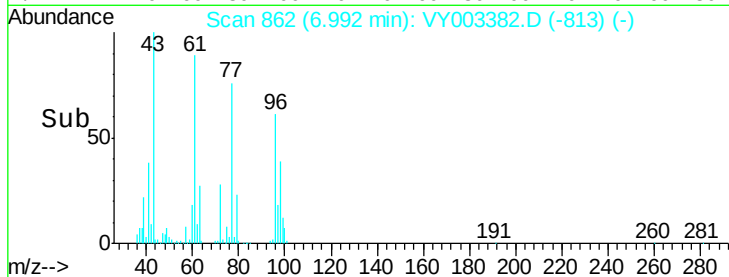
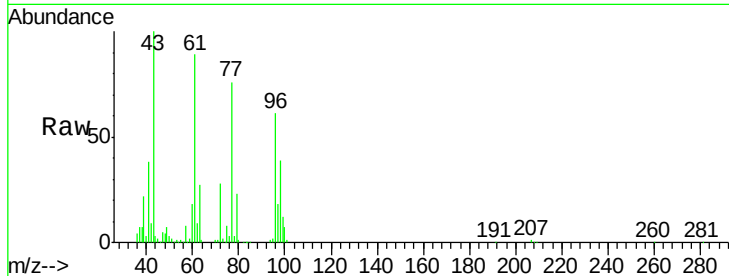
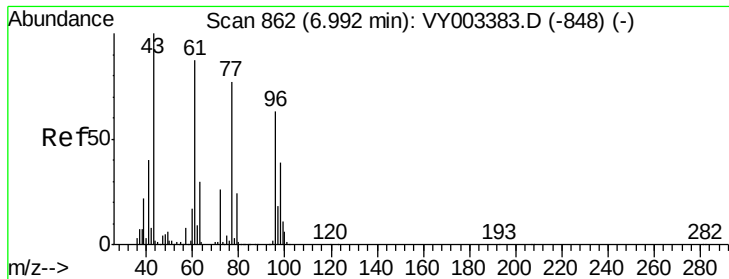
MMDadoda
8/3/2020 12:37:26 PM



#26
2,2-Dichloropropane
Concen: 20.760 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	77	Resp	152394
Ion Ratio	77	100	
Lower	97	22.7	11.3
Upper			33.8





#27

cis-1,2-Dichloroethene

Concen: 20.636 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003382.D

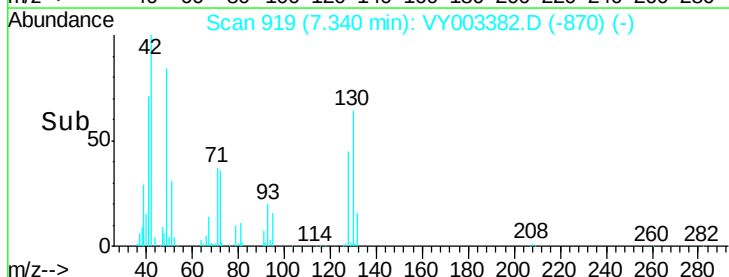
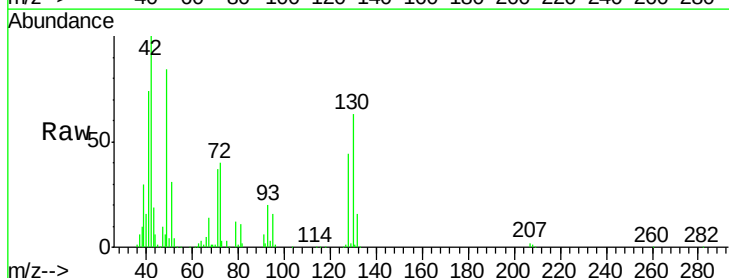
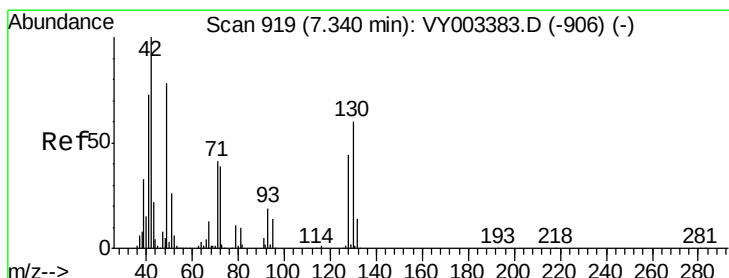
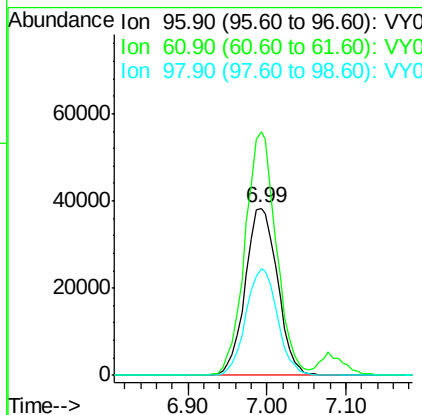
Acq: 31 Jul 2020 11:44

Tot Ion	Ratio	Resp	Lower	Upper
96	100	109187		
61	140.9	0.0	290.0	
98	62.2	0.0	129.0	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

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MMDadoda
8/3/2020 12:37:26 PM



#28

Bromochloromethane

Concen: 21.084 ug/l

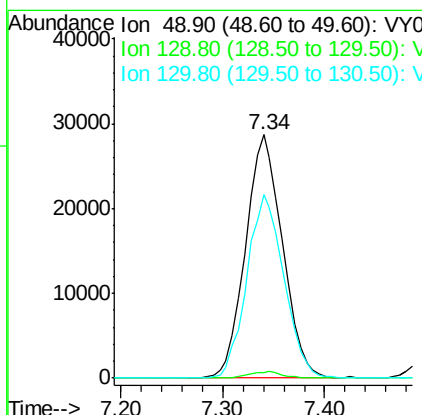
RT: 7.34 min Scan# 919

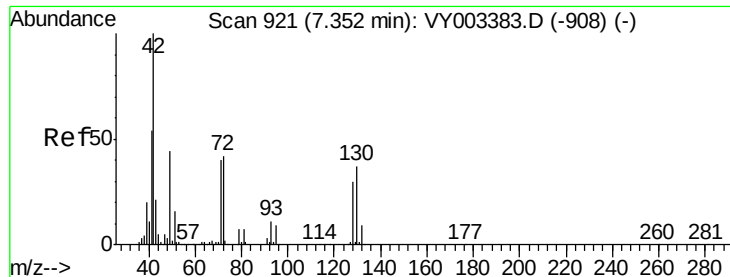
Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72275		
129	2.4	0.0	4.4	
130	75.7	60.3	90.5	





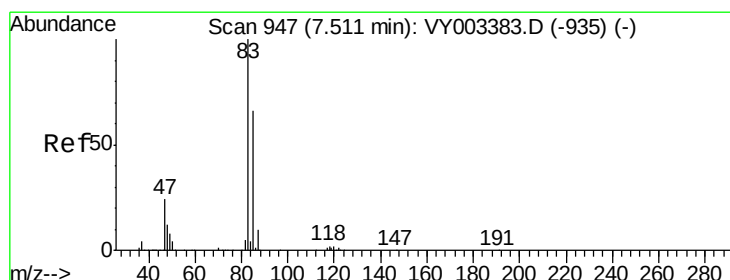
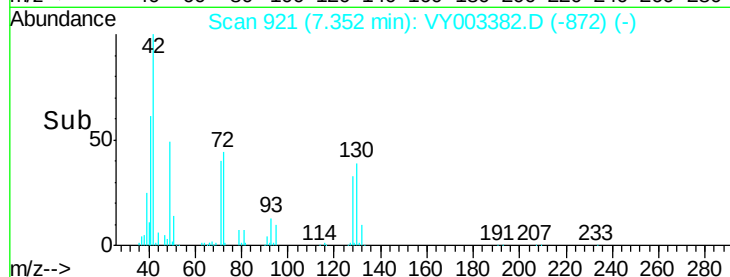
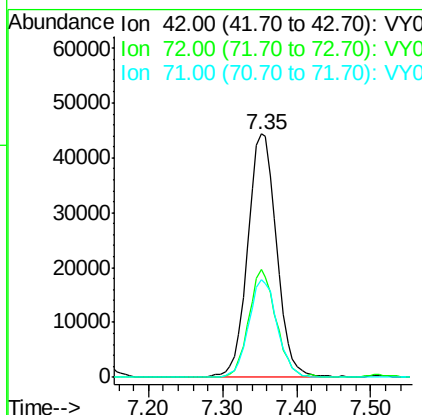
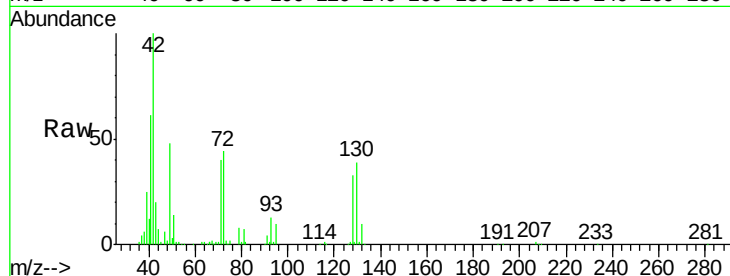
#29
Tetrahydrofuran
Concen: 113.072 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.5	50.3
71	39.6	32.1	48.1

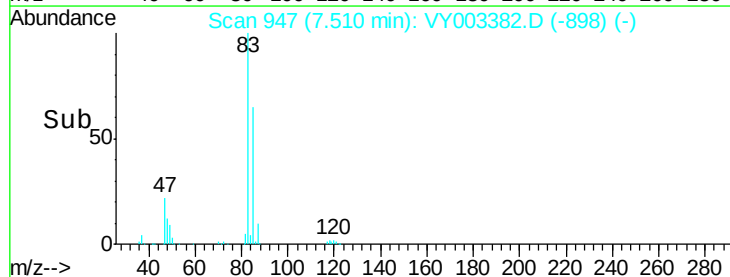
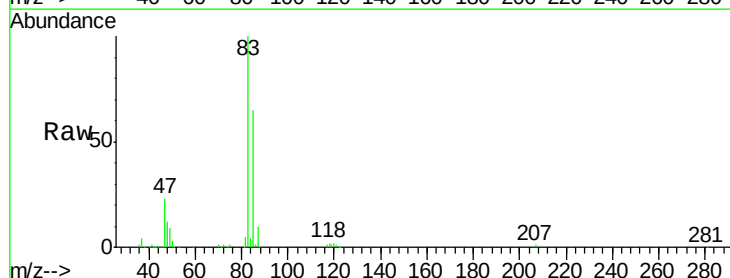
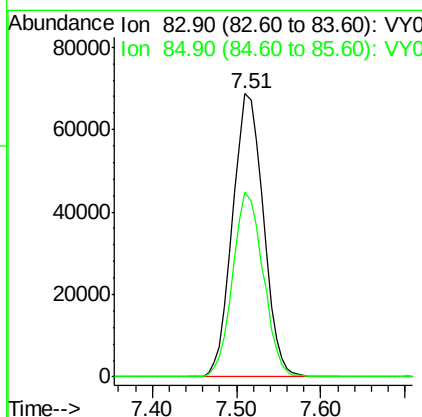
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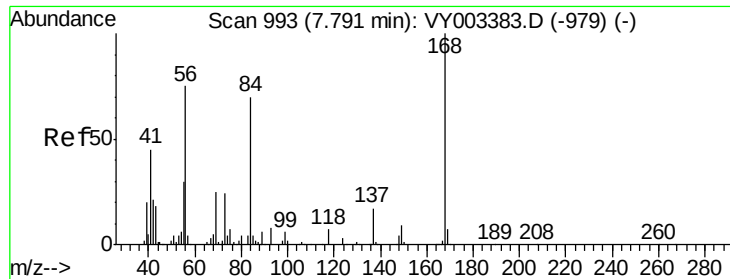
MMDadoda
8/3/2020 12:37:26 PM



#30
Chloroform
Concen: 20.346 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7





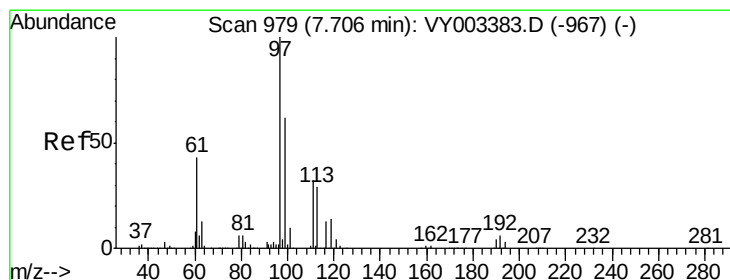
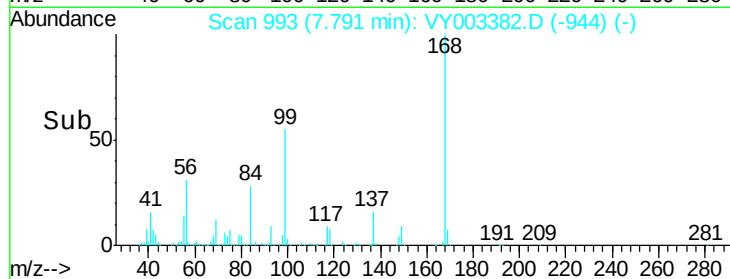
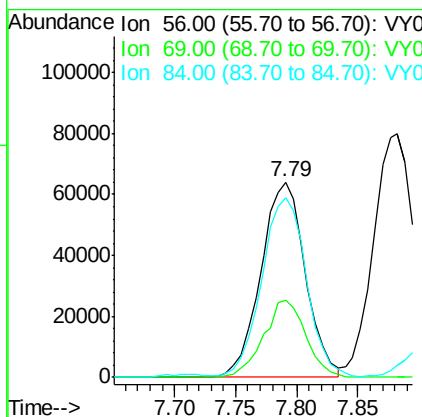
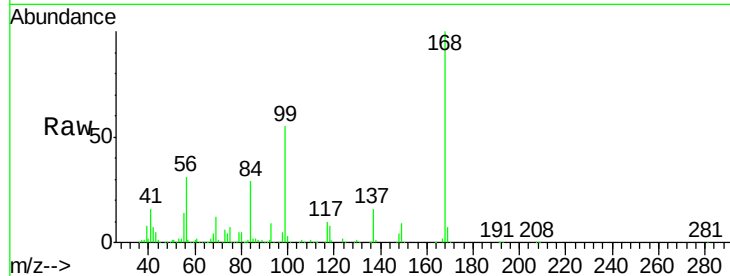
#31
Cyclohexane
Concen: 20.523 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	26.1	39.1#
84	90.4	73.9	110.9

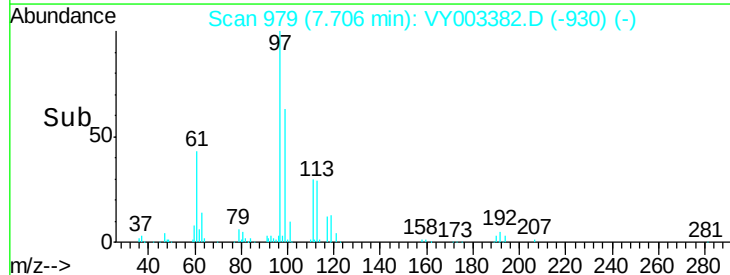
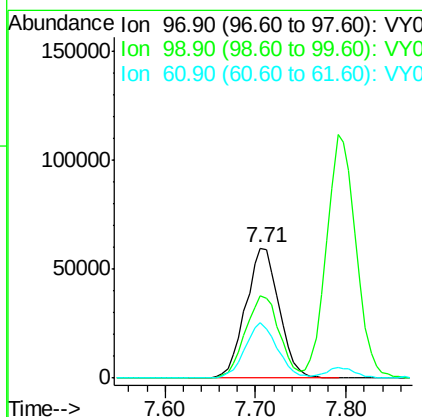
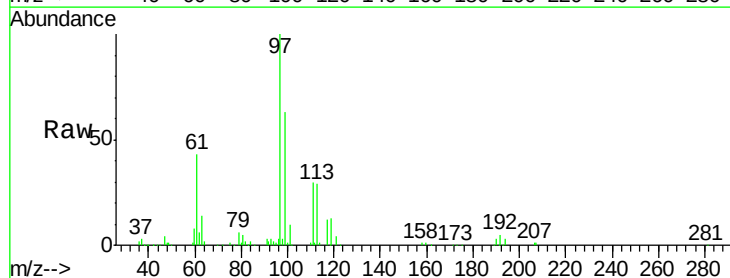
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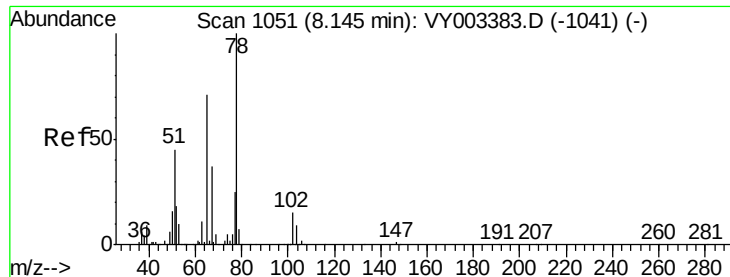
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.221 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.9	76.3
61	41.3	33.7	50.5





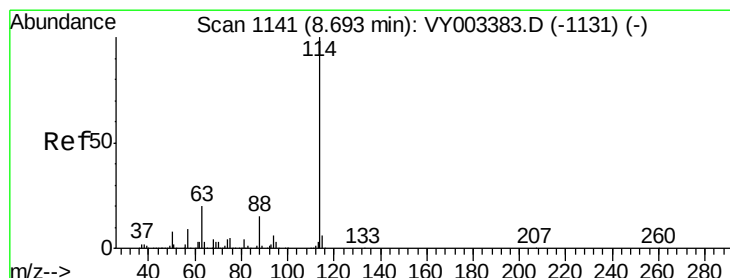
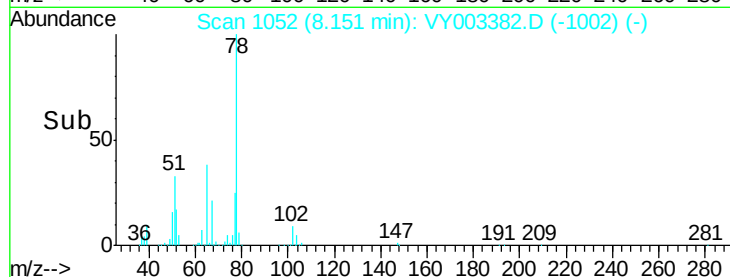
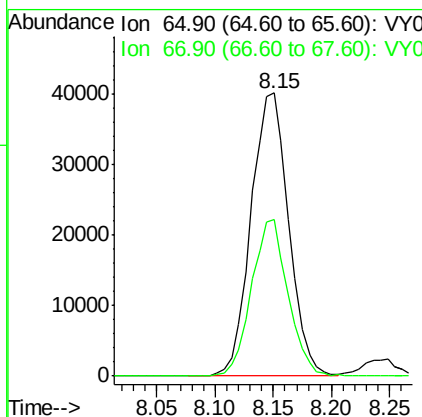
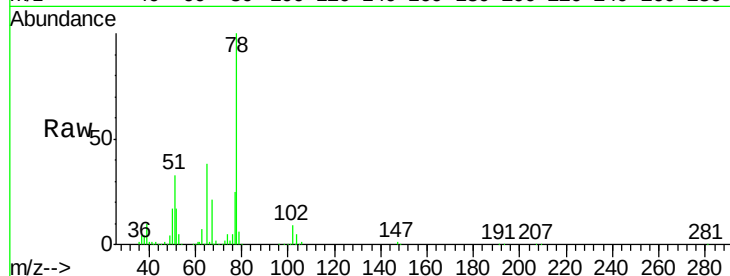
#33
 1,2-Dichloroethane-d4
 Concen: 20.565 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.6

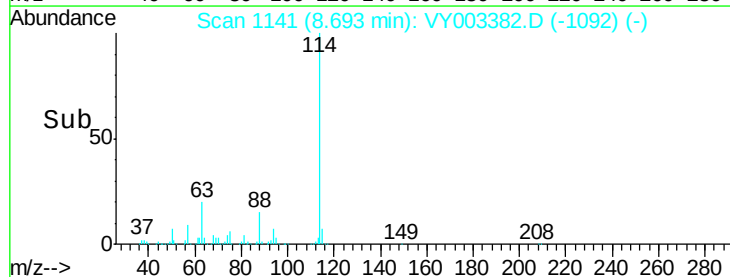
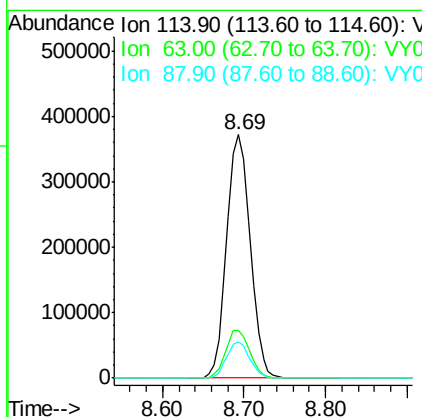
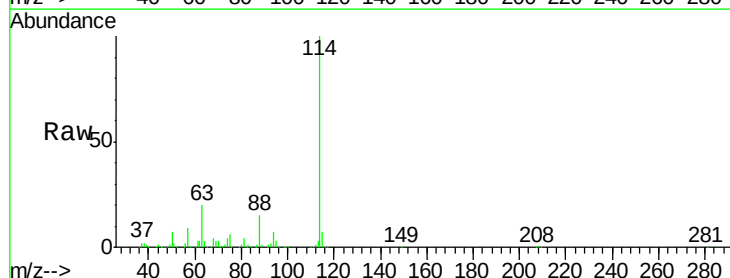
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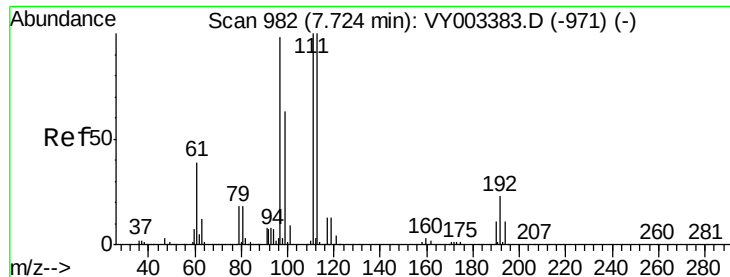
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.6
88	14.6	0.0	29.2





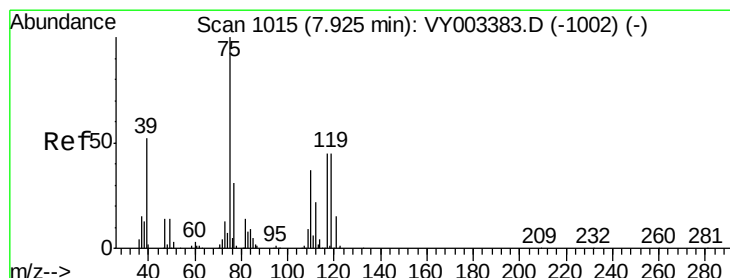
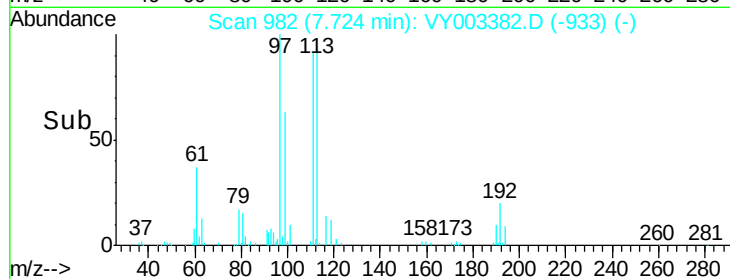
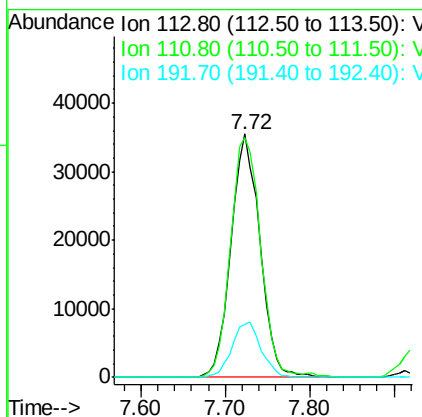
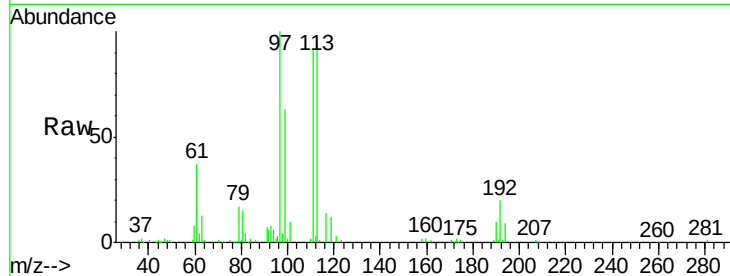
#35
Dibromofluoromethane
Concen: 18.983 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	82522		
111	102.0		83.0	124.4
192	22.9		18.8	28.2

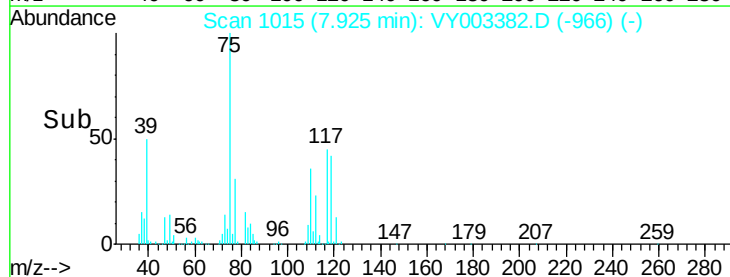
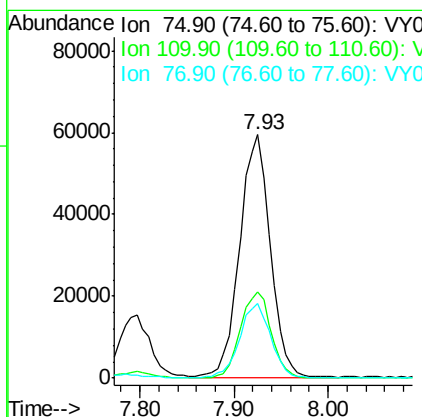
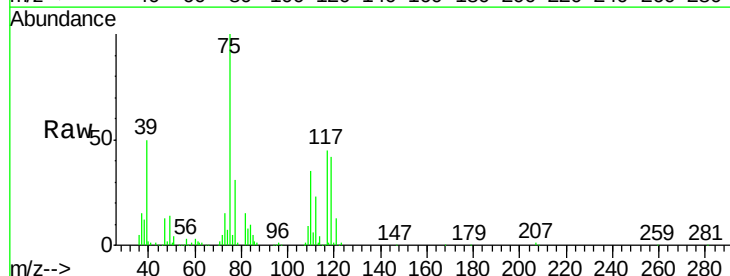
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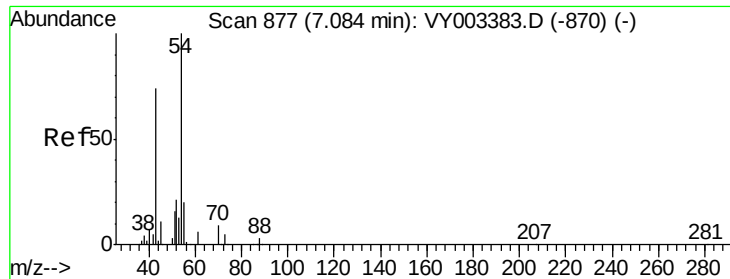
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.709 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134460		
110	35.8		17.8	53.5
77	31.7		24.6	36.8





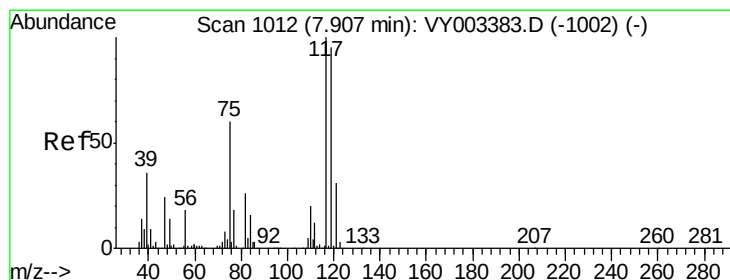
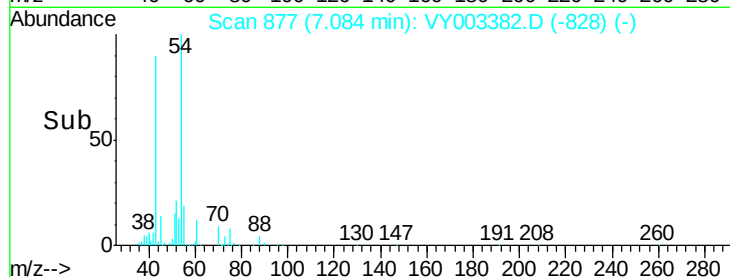
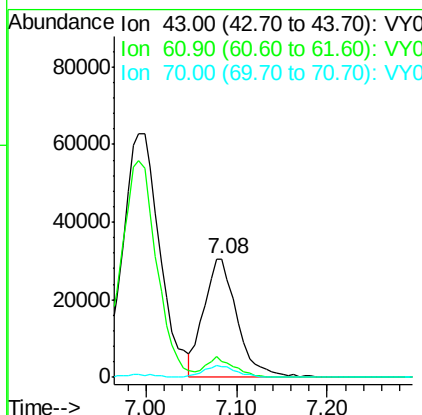
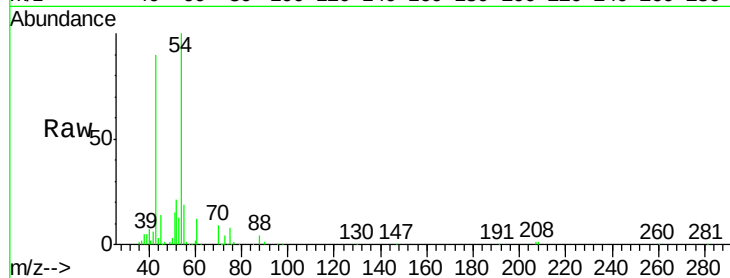
#37
Ethyl Acetate
Concen: 21.119 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.2	16.8
70	9.8	7.7	11.5

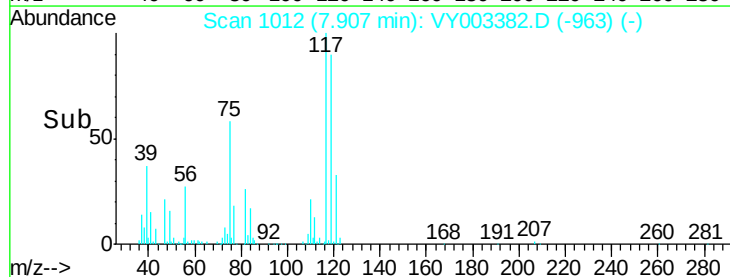
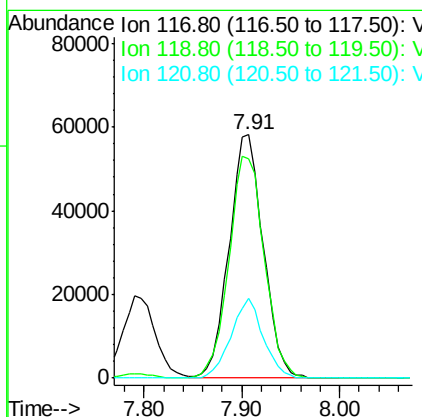
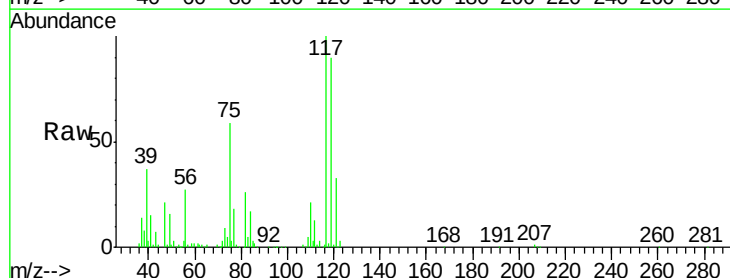
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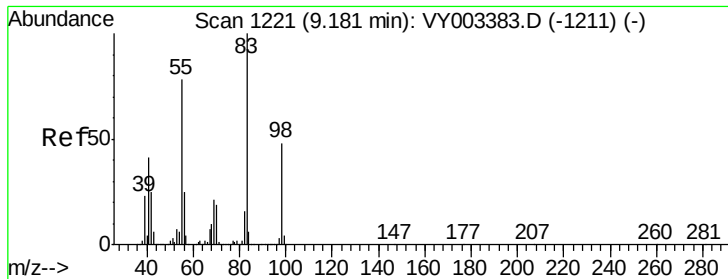
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.038 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	76.1	114.1
121	33.0	24.5	36.7





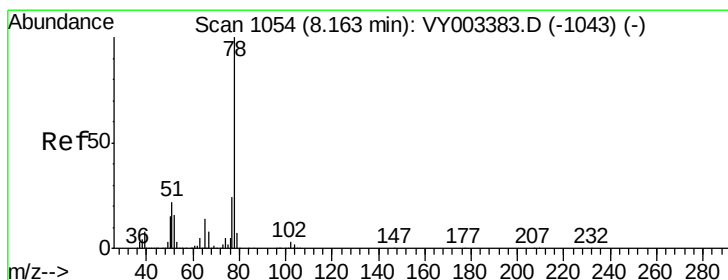
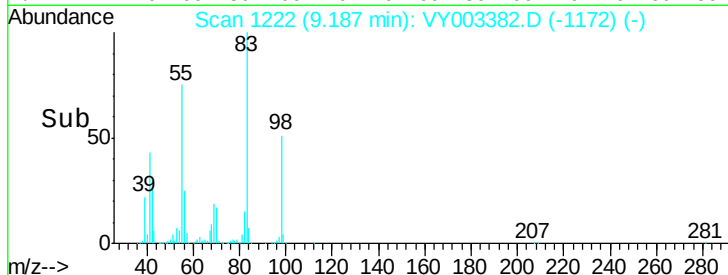
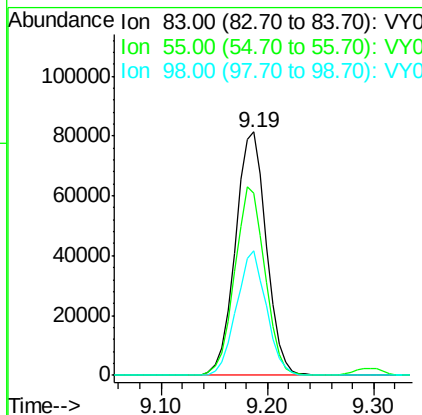
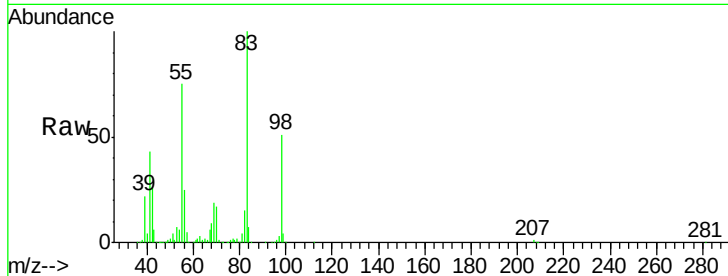
#39
Methylvlcyclohexane
Concen: 19.461 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.01 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	62.2	93.4
98	51.0	38.7	58.1

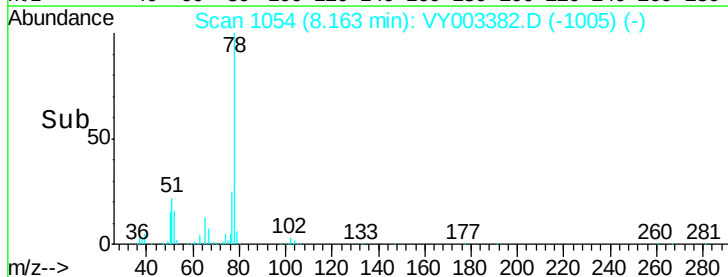
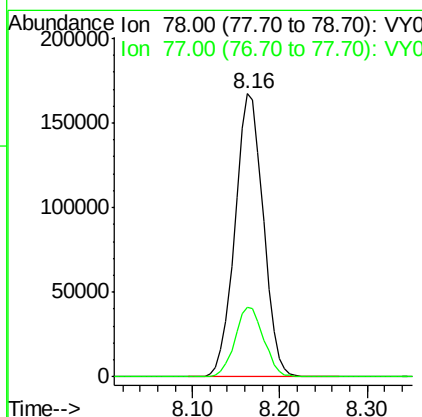
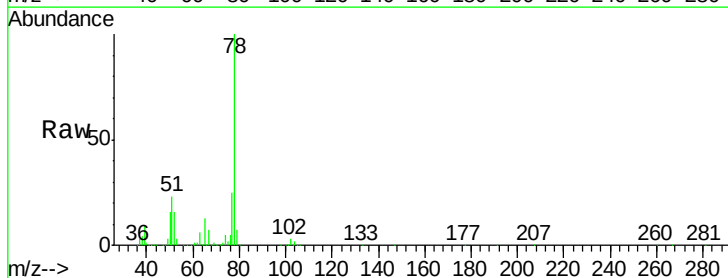
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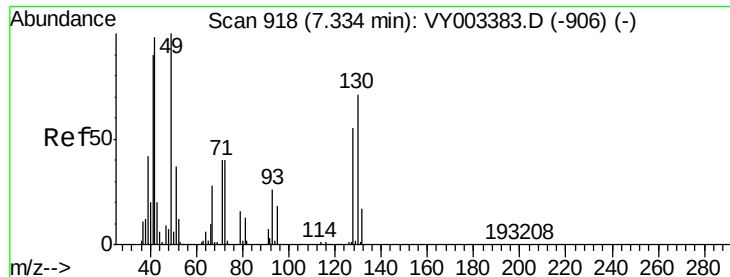
MMDadoda
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#40
Benzene
Concen: 20.029 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.5	29.3





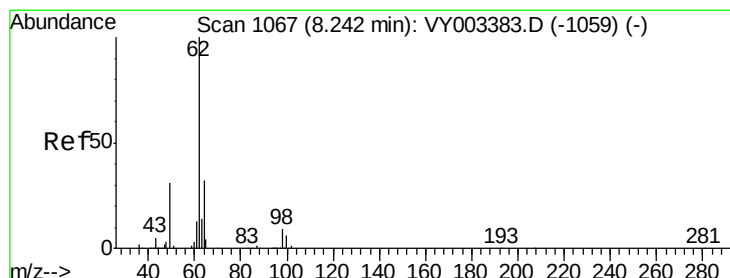
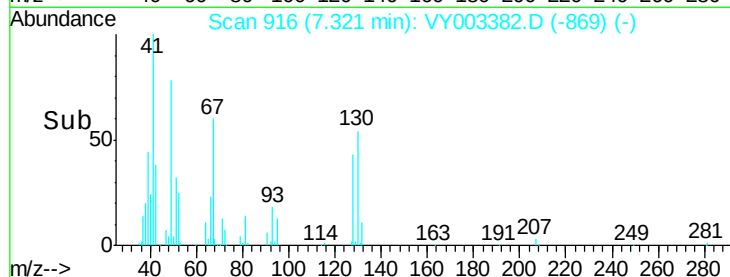
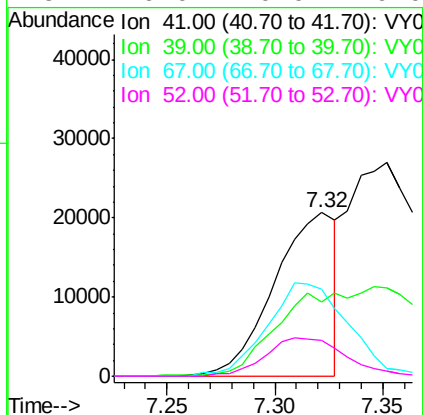
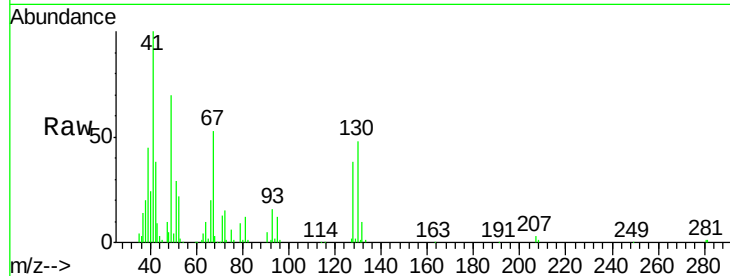
#41
Methacrylonitrile
Concen: 18.623 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	41551
Ion	Ratio	Lower	Upper
41	100		
39	122.0	78.3	117.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

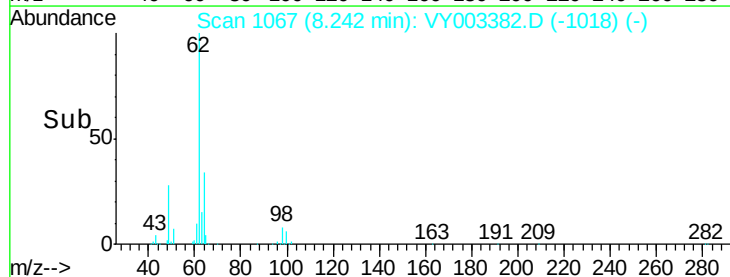
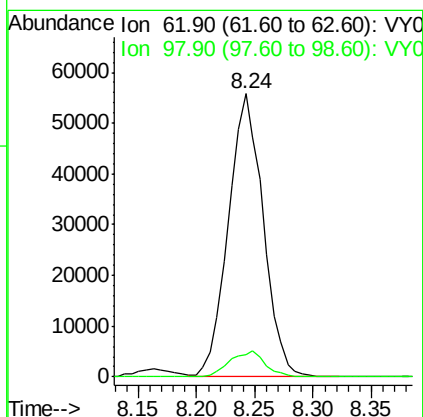
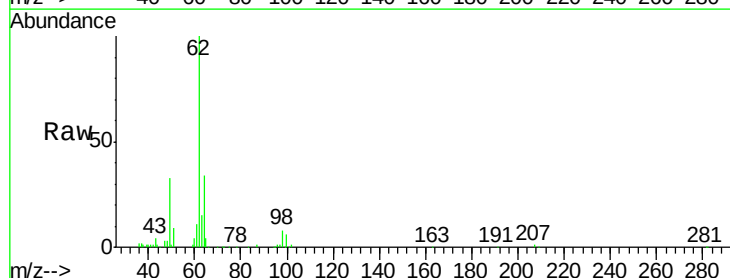
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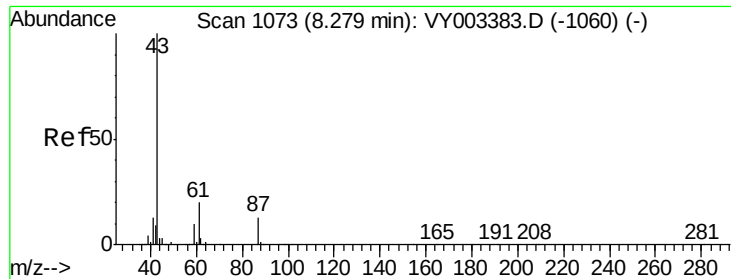
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.154 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion:	62	Resp:	116239
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0





#43

Isopropyl Acetate

Concen: 20.661 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

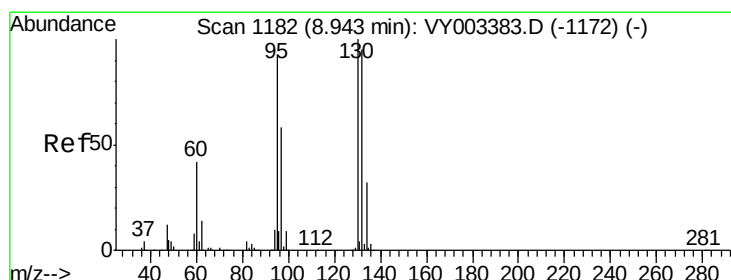
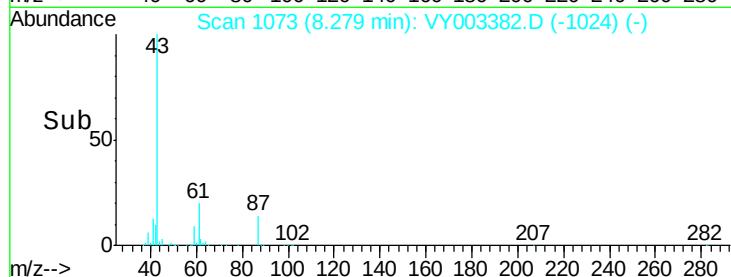
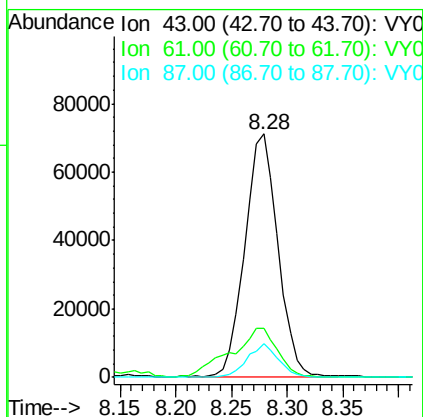
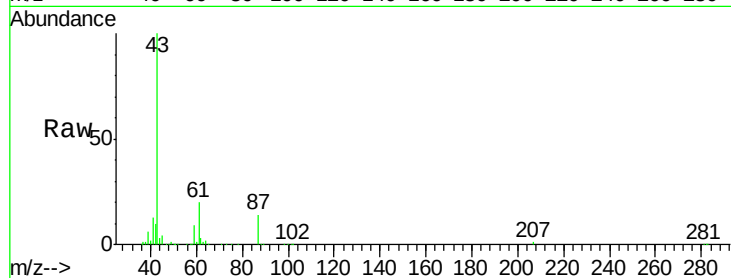
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	146884
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.0	34.4
87	13.1	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 19.151 ug/l

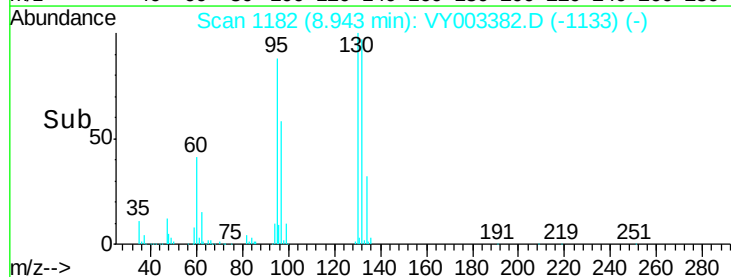
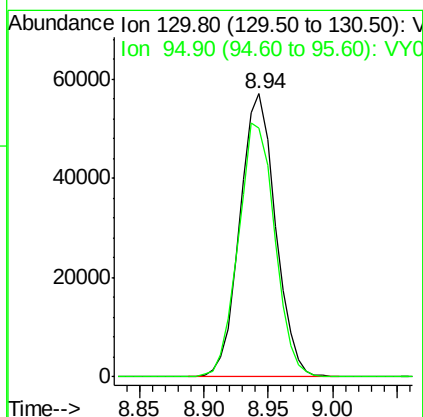
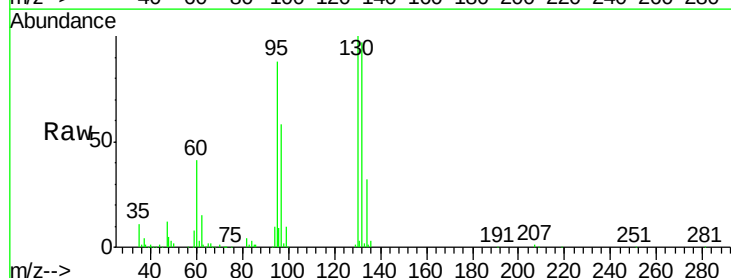
RT: 8.94 min Scan# 1182

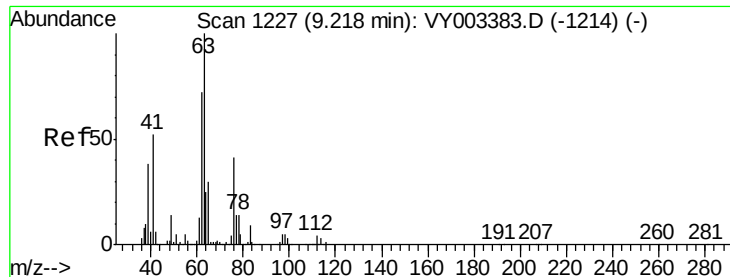
Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tgt Ion:	130	Resp:	109285
Ion	Ratio	Lower	Upper
130	100		
95	88.1	0.0	186.8





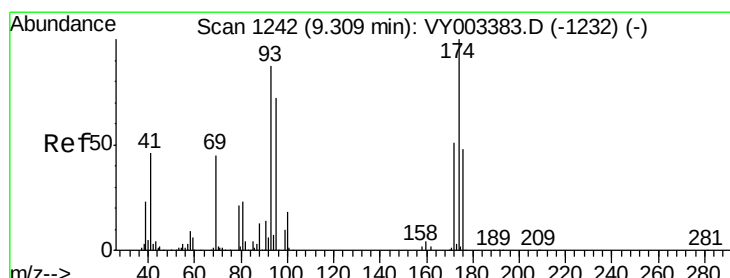
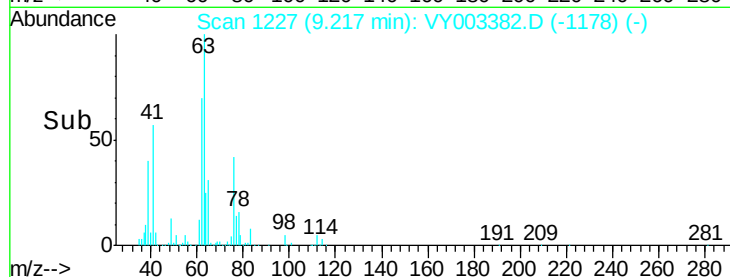
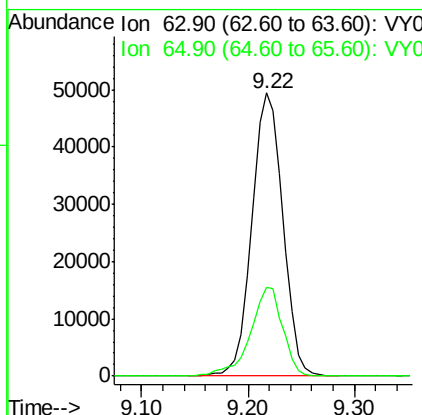
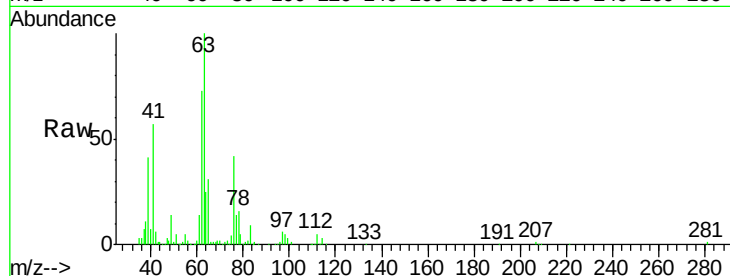
#45
 1,2-Dichloropropane
 Concen: 20.684 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	63	Resp	100802
Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.8	35.8

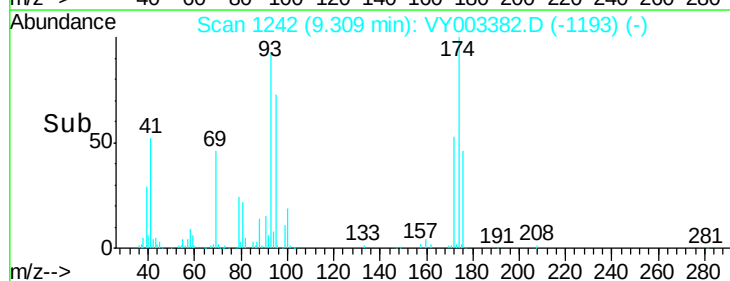
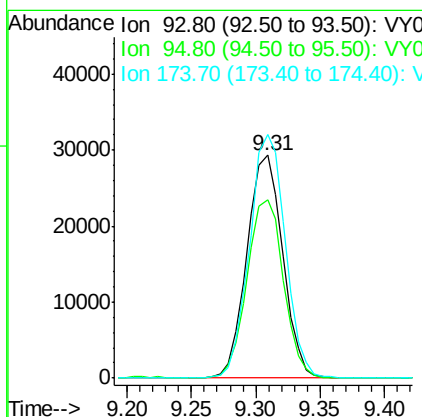
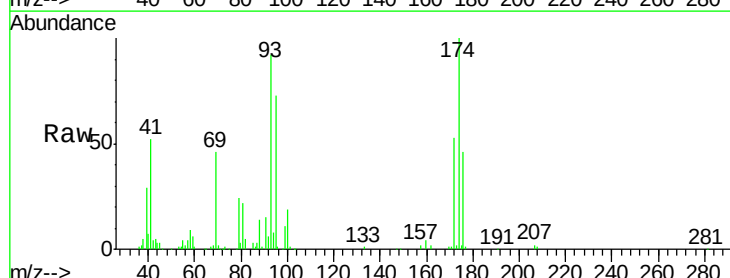
Manual Integrations
 APPROVED

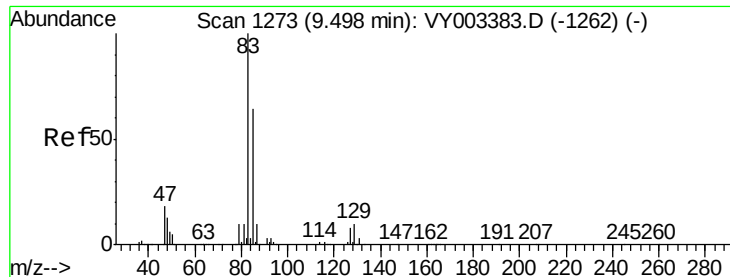
MMDadoda
 8/3/2020 12:37:26 PM



#46
 Dibromomethane
 Concen: 20.043 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion	93	Resp	56348
Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.4	98.0
174	109.0	88.6	133.0





#47

Bromodichloromethane

Concen: 20.191 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

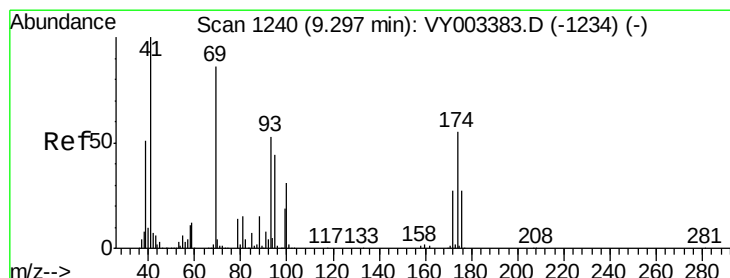
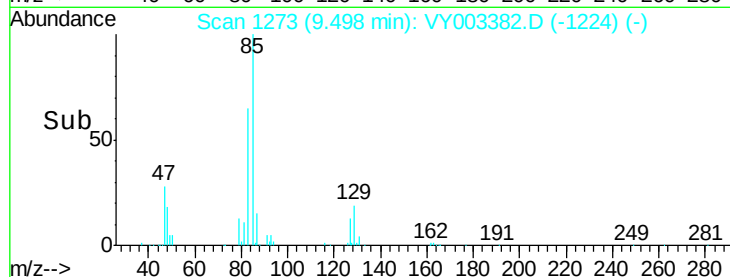
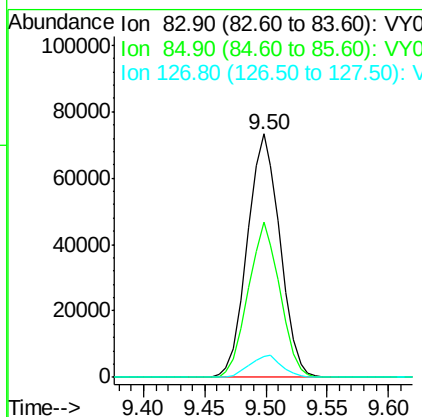
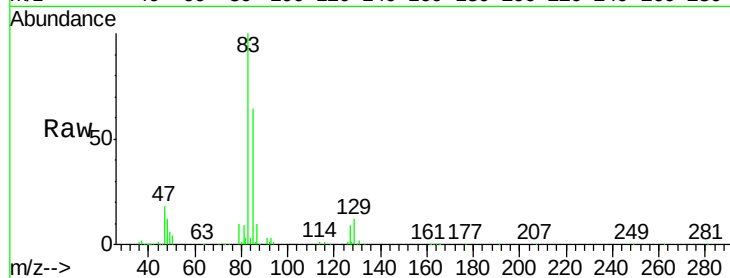
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	136000
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.6	77.4
127	8.5	6.5	9.7

Manual Integrations
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MMDadoda
8/3/2020 12:37:26 PM



#48

Methyl methacrylate

Concen: 20.876 ug/l

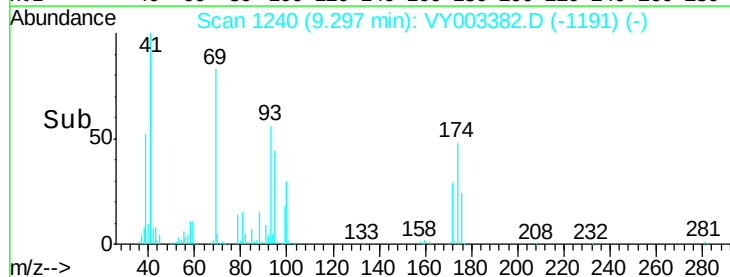
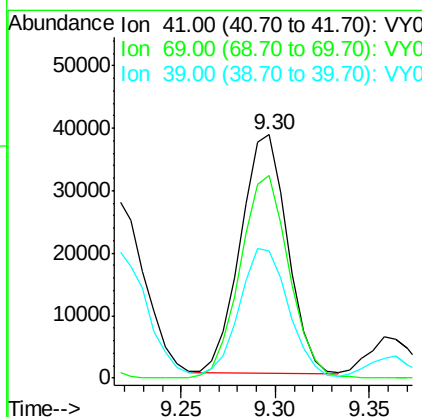
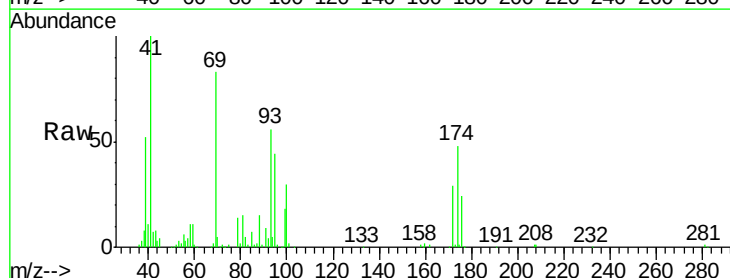
RT: 9.30 min Scan# 1240

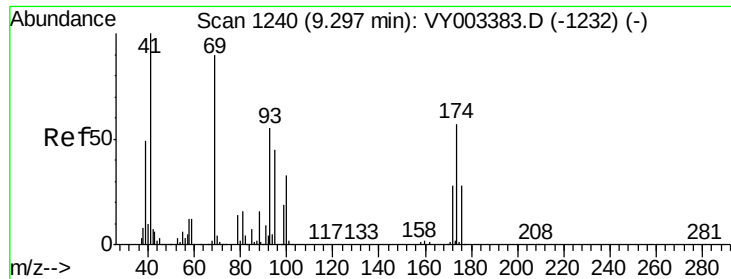
Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tgt Ion:	41	Resp:	66457
Ion Ratio	Lower	Upper	
41	100		
69	87.7	68.9	103.3
39	54.4	43.1	64.7





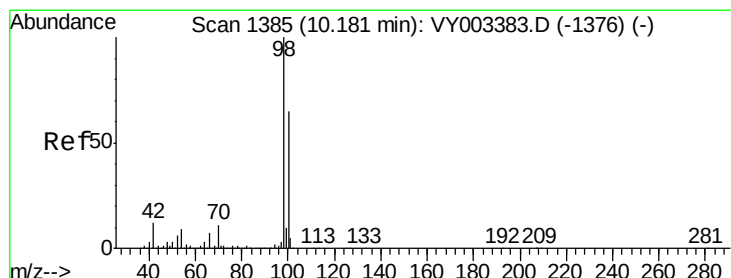
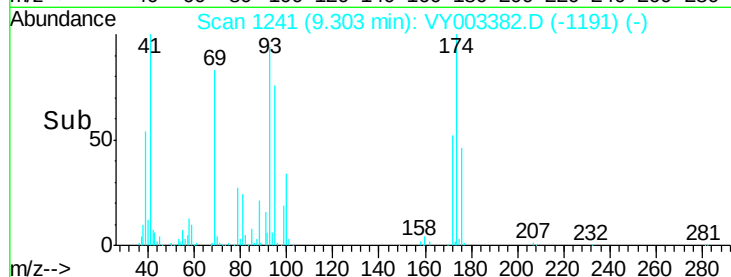
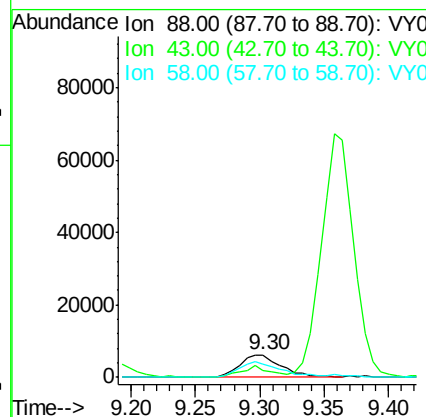
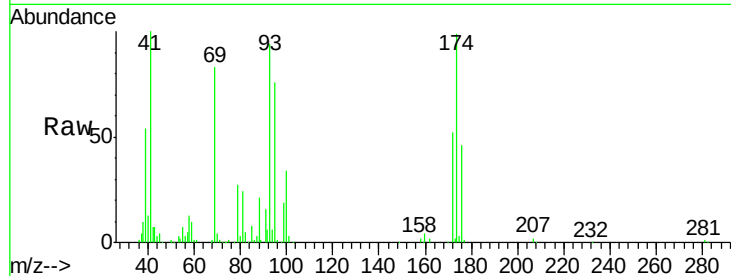
#49
1,4-Dioxane
Concen: 398.959 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	14271
Ion Ratio	100	Lower	Upper
88	100		
43	32.9	24.9	37.3
58	70.5	54.3	81.5

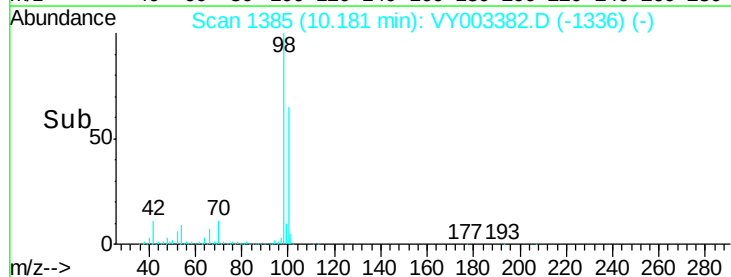
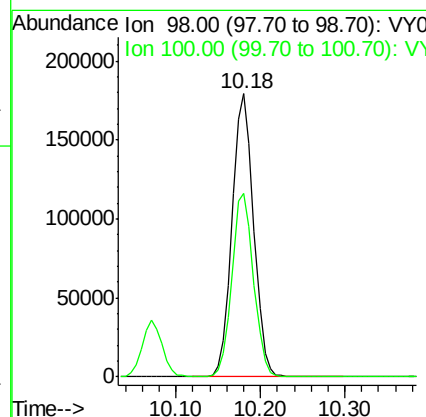
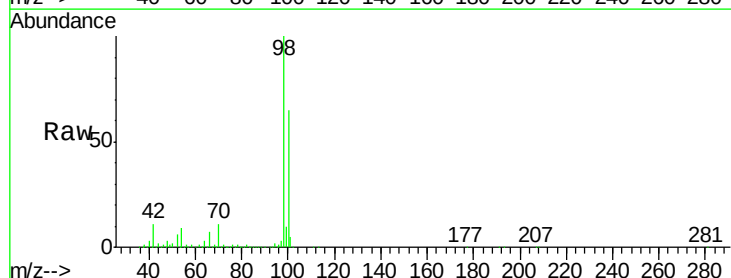
Manual Integrations
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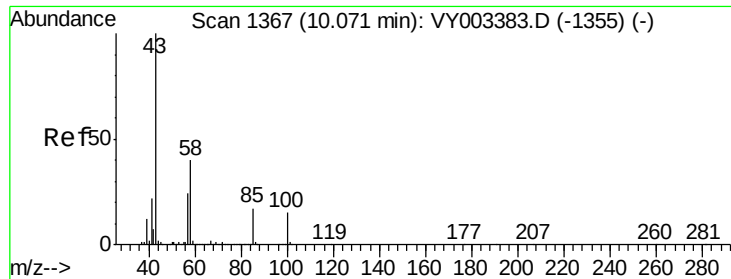
MMDadoda
8/3/2020 12:37:26 PM



#50
Toluene-d8
Concen: 19.096 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	98	Resp	312740
Ion Ratio	100	Lower	Upper
98	100		
100	64.9	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 107.628 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 397949

Ion Ratio Lower Upper

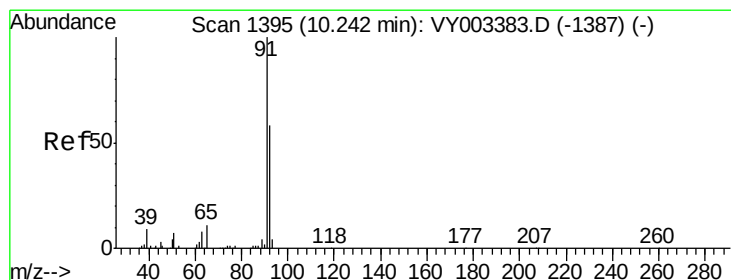
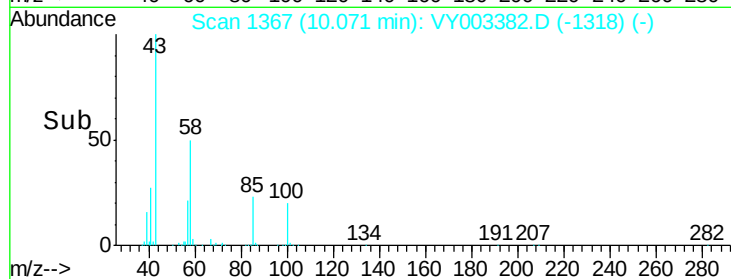
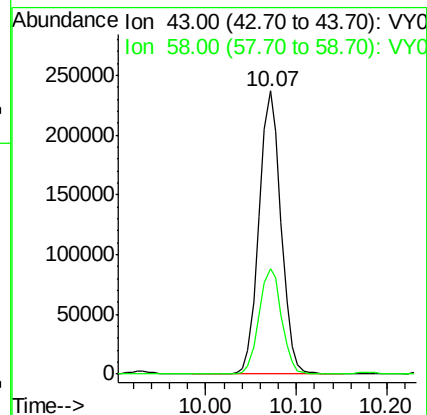
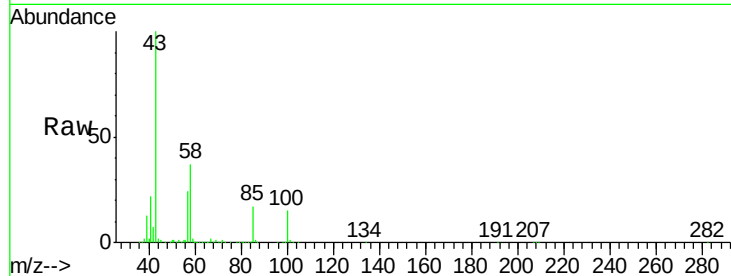
43 100

58 38.2 31.6 47.4

Manual Integrations
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8/3/2020 12:37:26 PM



#52

Toluene

Concen: 19.642 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003382.D

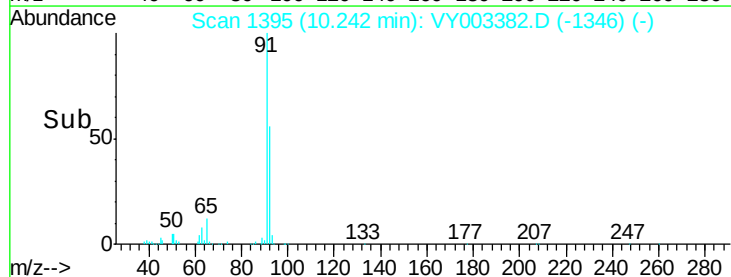
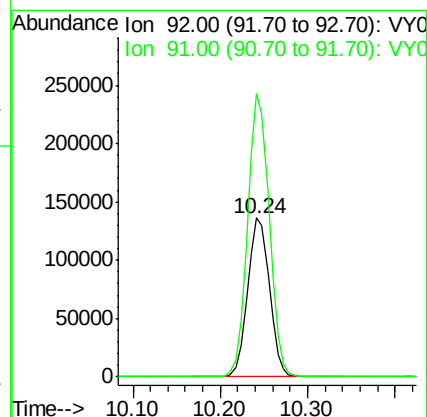
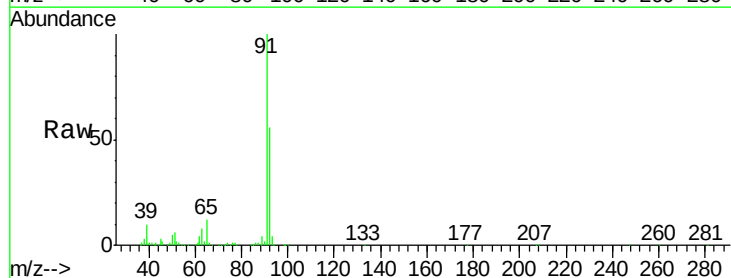
Acq: 31 Jul 2020 11:44

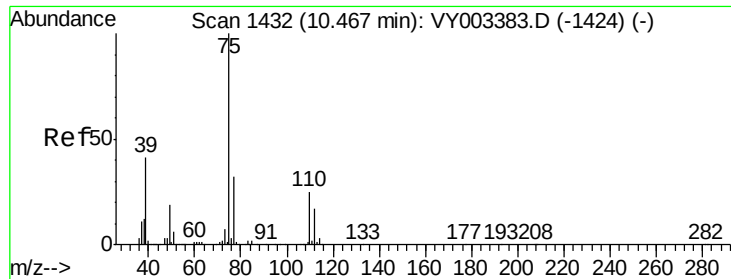
Tgt Ion: 92 Resp: 235496

Ion Ratio Lower Upper

92 100

91 176.8 139.4 209.0





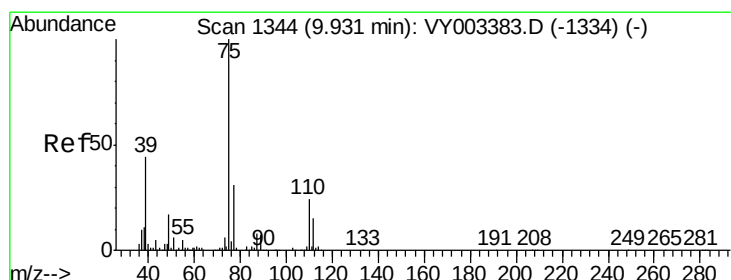
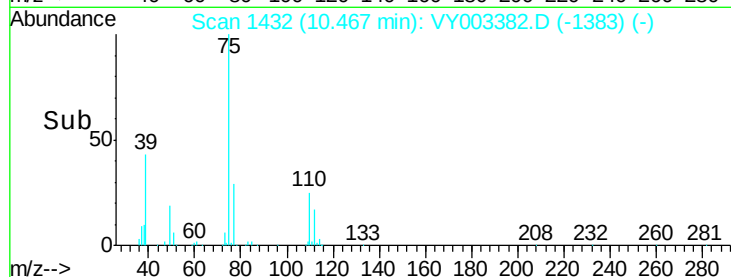
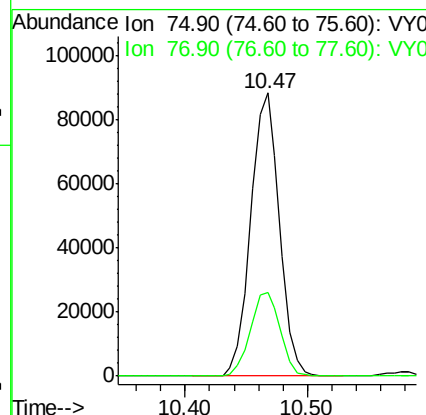
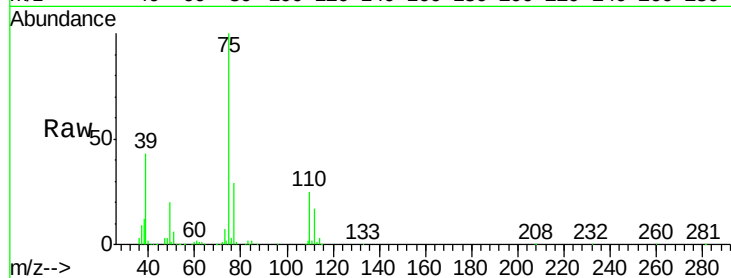
#53
t-1,3-Dichloropropene
Concen: 20.612 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.4	38.2

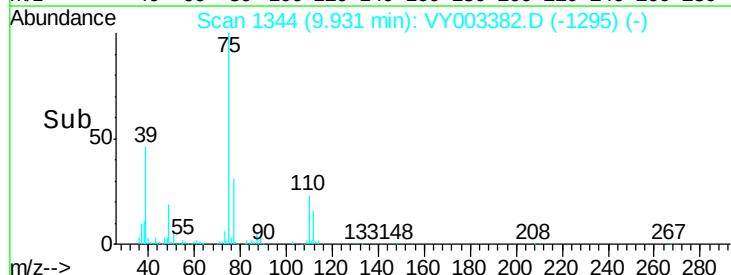
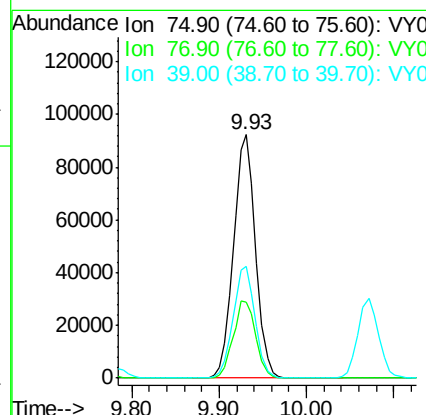
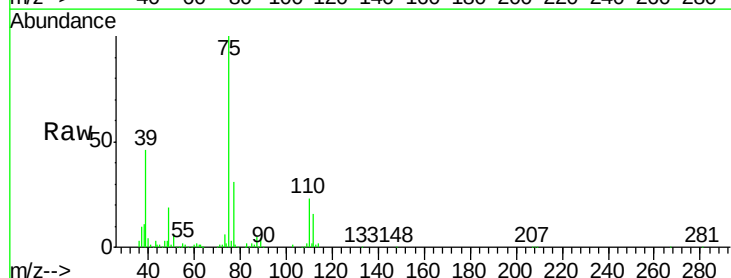
Manual Integrations
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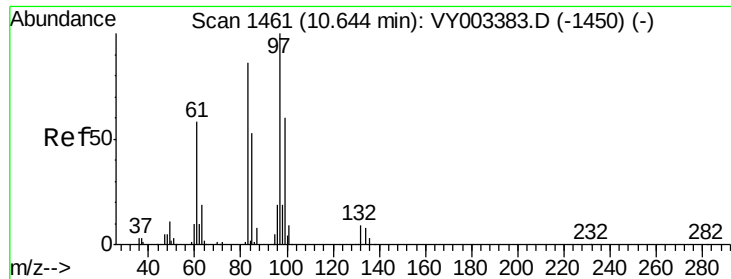
MMDadoda
8/3/2020 12:37:26 PM



#54
cis-1,3-Dichloropropene
Concen: 19.965 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2
39	46.0	34.8	52.2





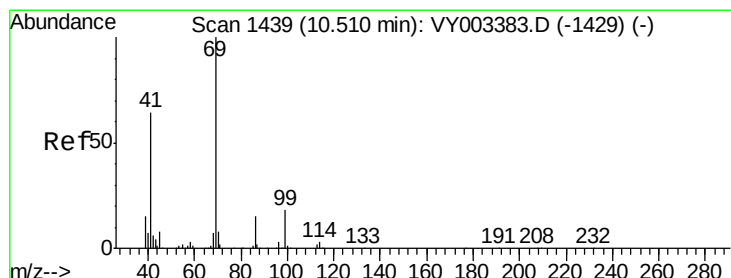
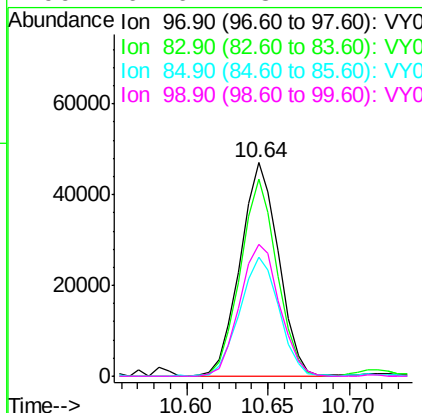
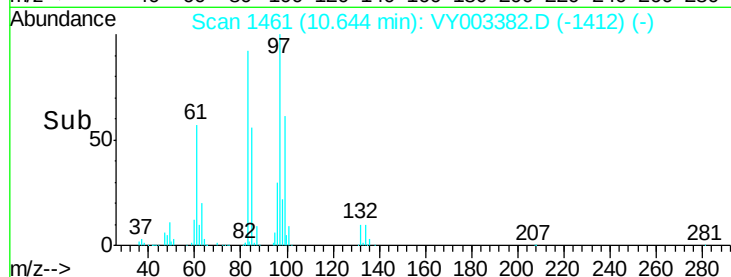
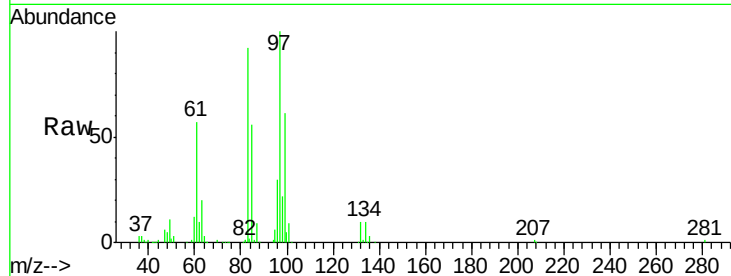
#55
 1,1,2-Trichloroethane
 Concen: 19.136 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	76673
Ion	Ratio	Lower	Upper
97	100		
83	92.5	69.1	103.7
85	55.6	42.5	63.7
99	61.6	48.2	72.4

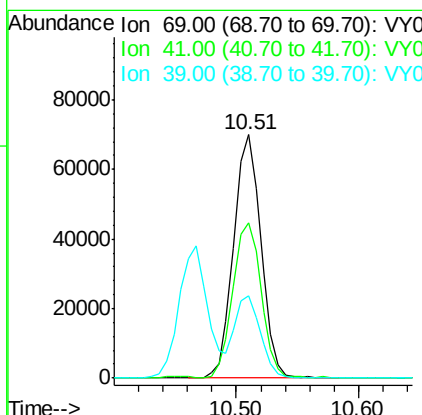
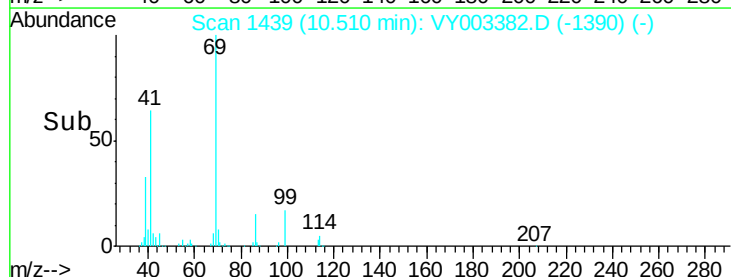
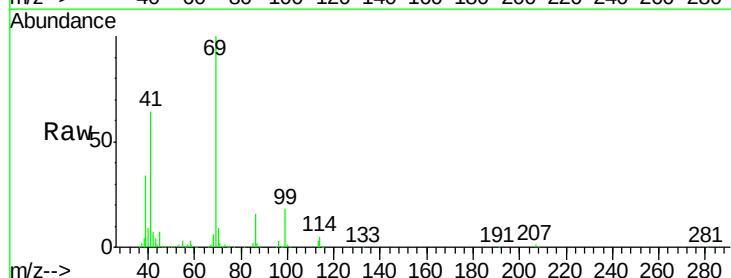
Manual Integrations
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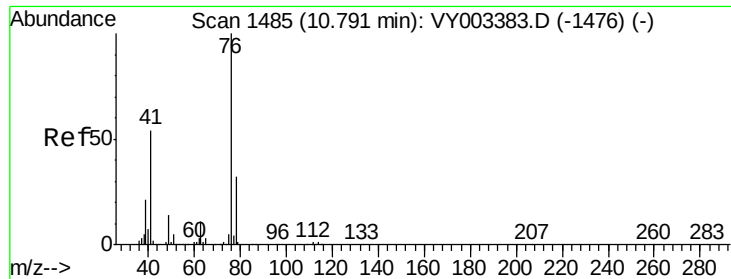
MMDadoda
 8/3/2020 12:37:26 PM



#56
 Ethyl methacrylate
 Concen: 19.917 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion:	69	Resp:	108091
Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.2	78.4
39	31.0	24.7	37.1





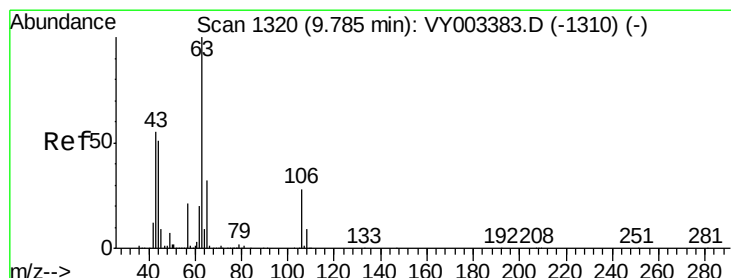
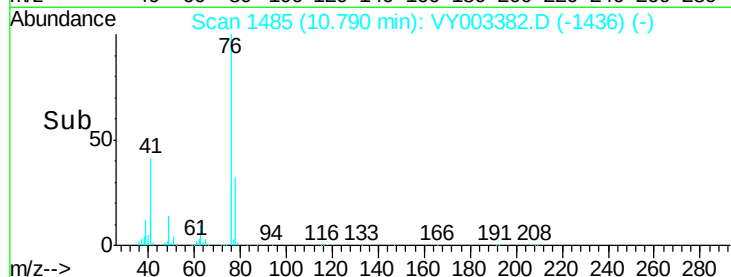
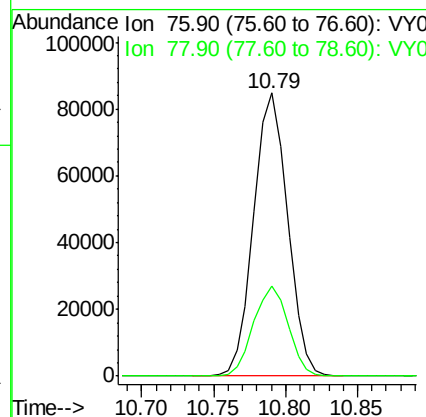
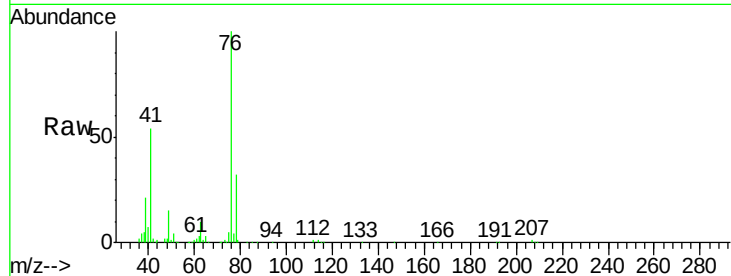
#57
 1,3-Dichloropropane
 Concen: 20.363 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

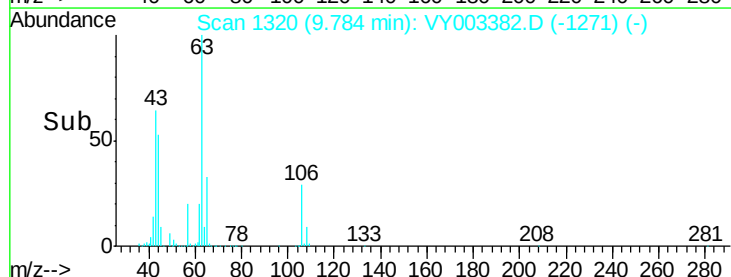
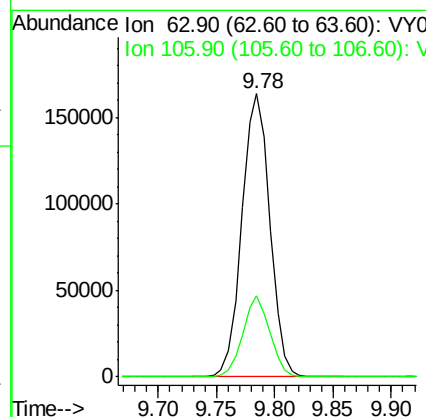
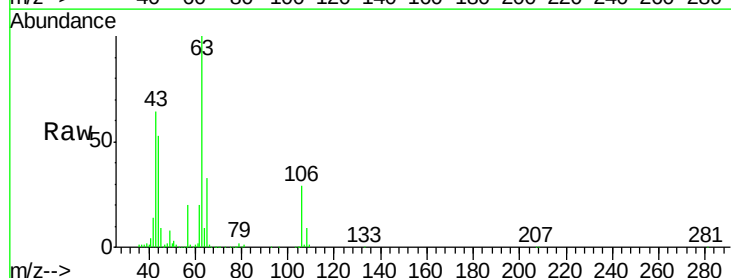
Manual Integrations
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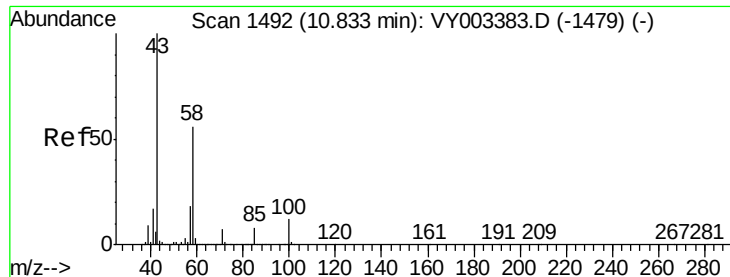
MMDadoda
 8/3/2020 12:37:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.554 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6





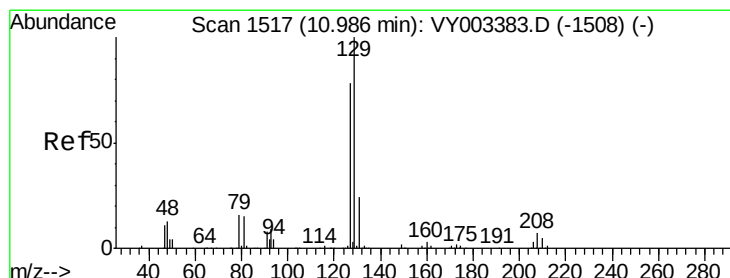
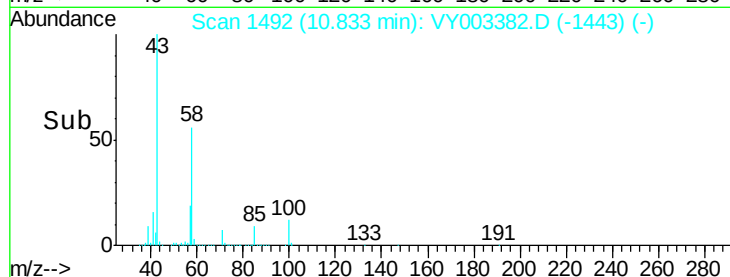
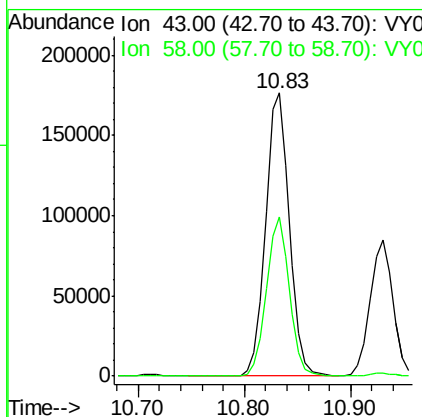
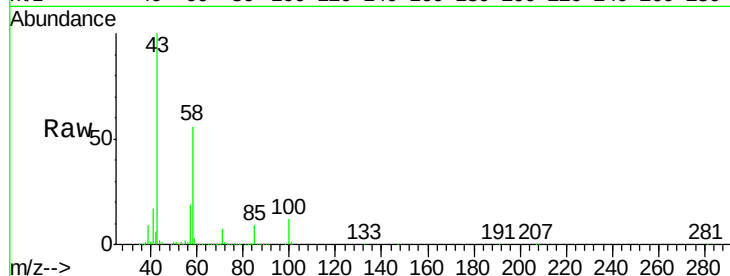
#59
2-Hexanone
Concen: 106.584 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 275246
Ion Ratio Lower Upper
43 100
58 54.5 27.6 82.8

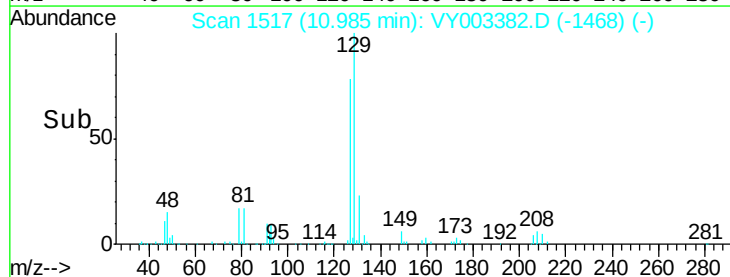
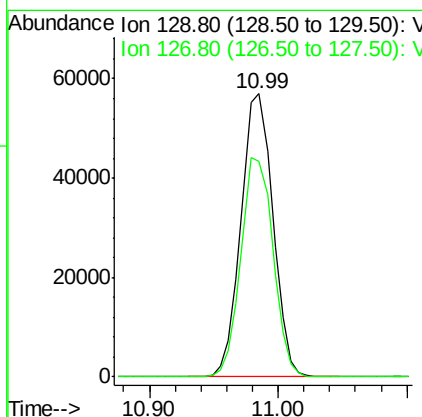
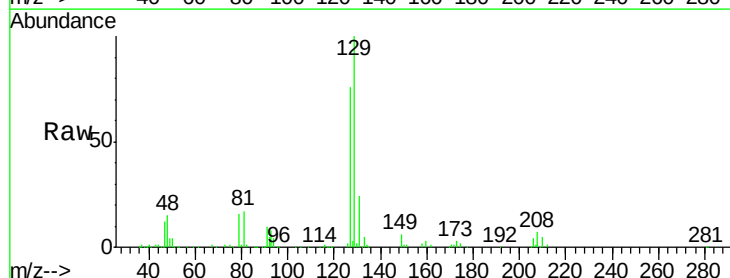
Manual Integrations
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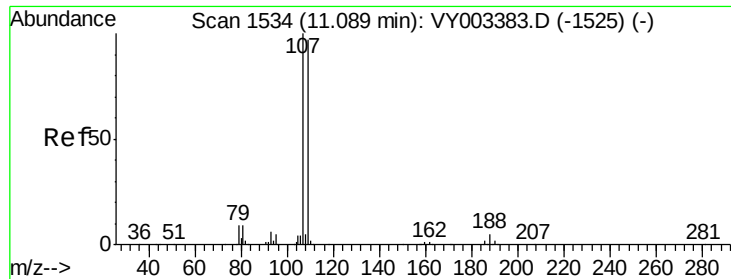
MMDadoda
8/3/2020 12:37:26 PM



#60
Dibromochloromethane
Concen: 19.468 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion: 129 Resp: 97866
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1





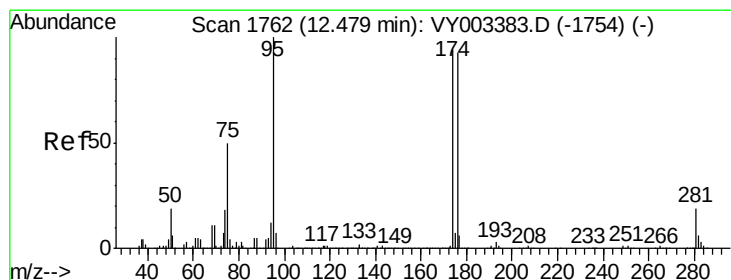
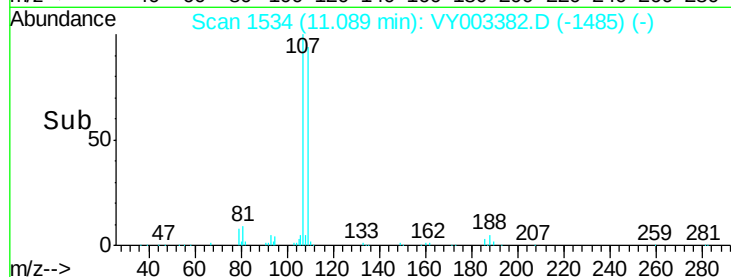
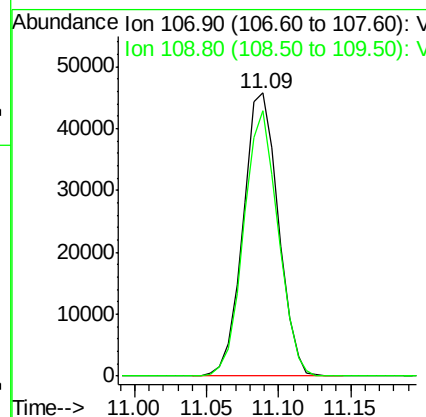
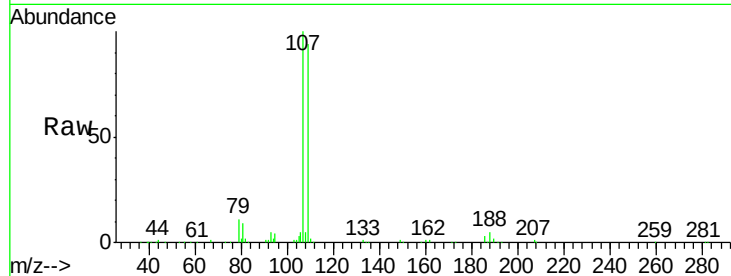
#61
 1,2-Dibromoethane
 Concen: 19.684 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 77303
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.5 113.3

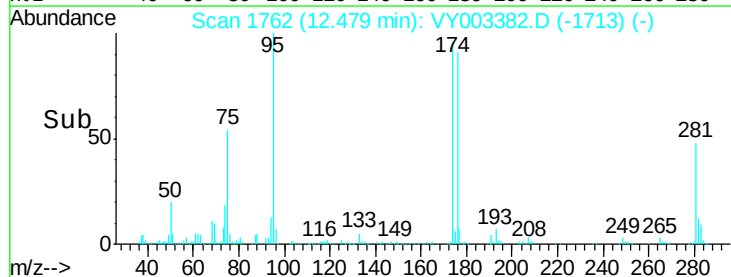
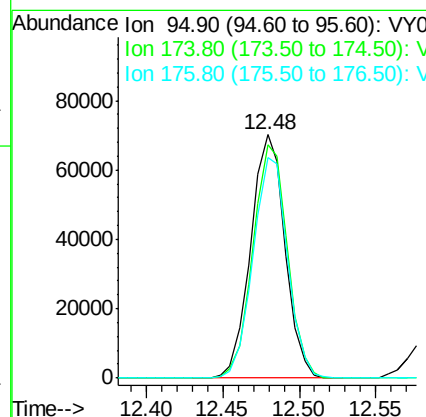
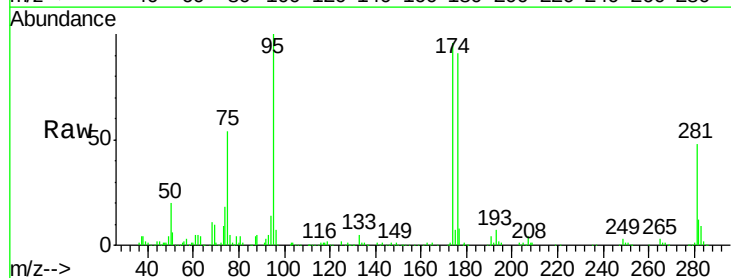
Manual Integrations
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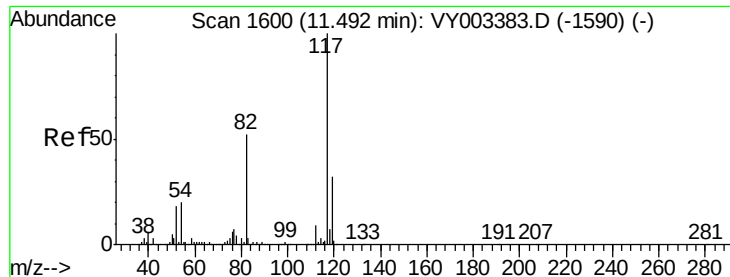
MMDadoda
 8/3/2020 12:37:26 PM



#62
 4-Bromofluorobenzene
 Concen: 18.632 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion: 95 Resp: 109431
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 190.0
 176 91.2 0.0 184.4





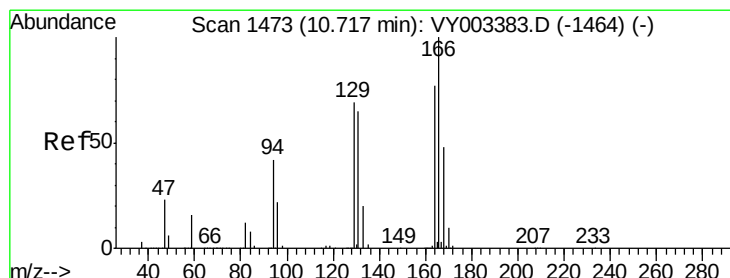
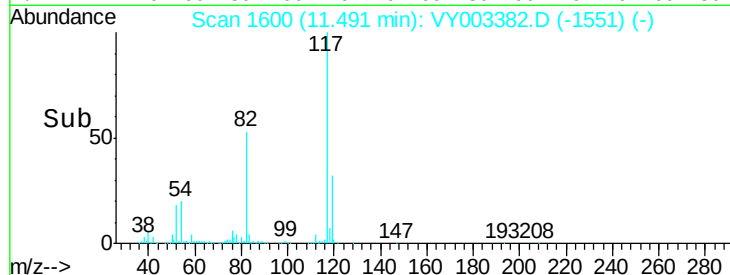
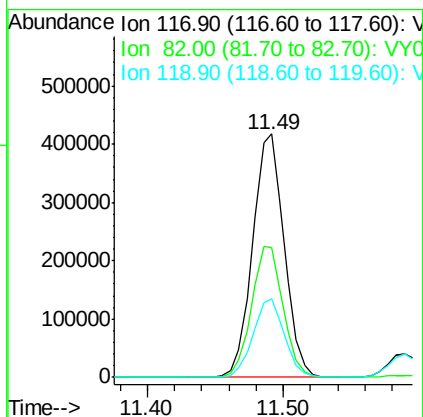
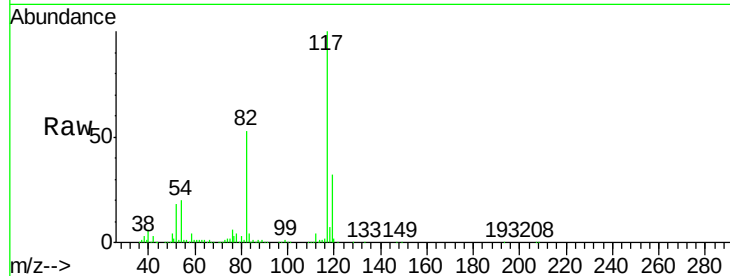
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	679539		
82	53.1		41.9	62.9
119	32.4		25.4	38.0

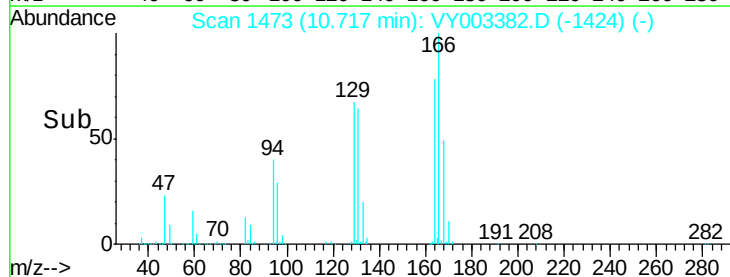
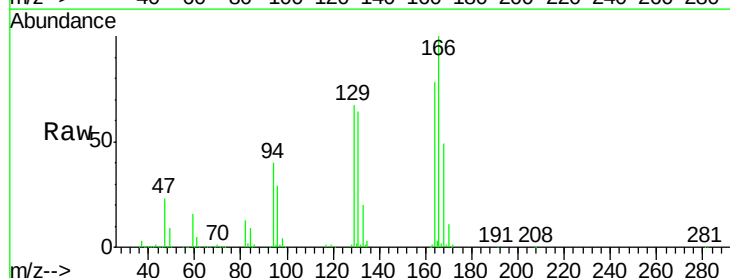
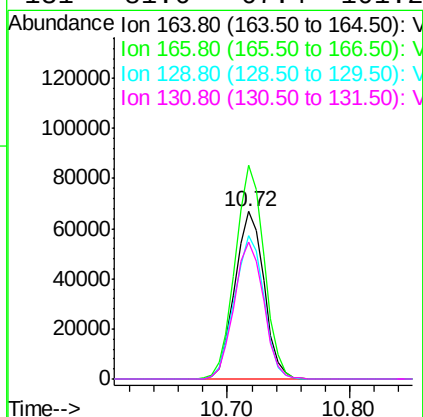
Manual Integrations
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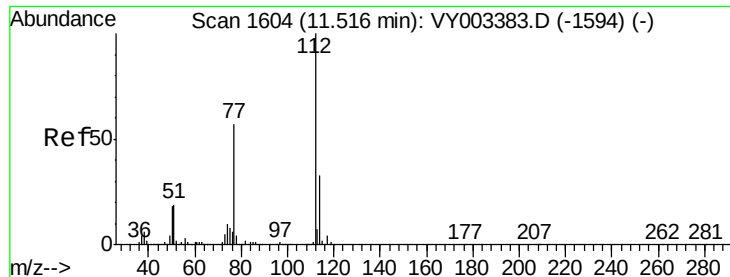
MMDadoda
8/3/2020 12:37:26 PM



#64
Tetrachloroethene
Concen: 18.169 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110321		
166	127.6		103.3	154.9
129	85.6		71.2	106.8
131	81.6		67.4	101.2





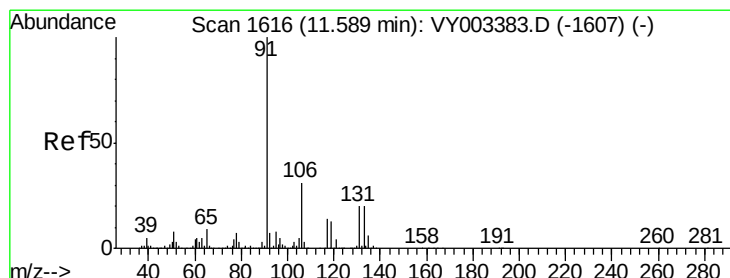
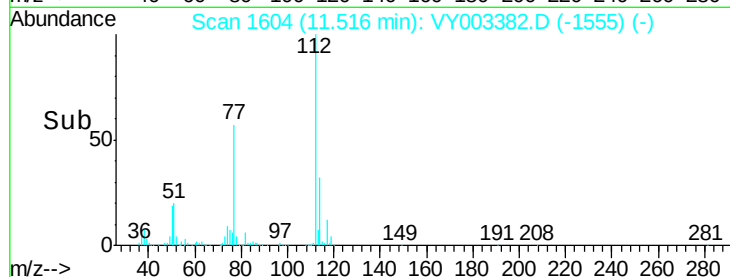
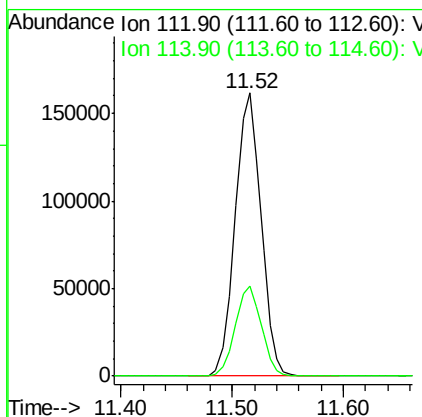
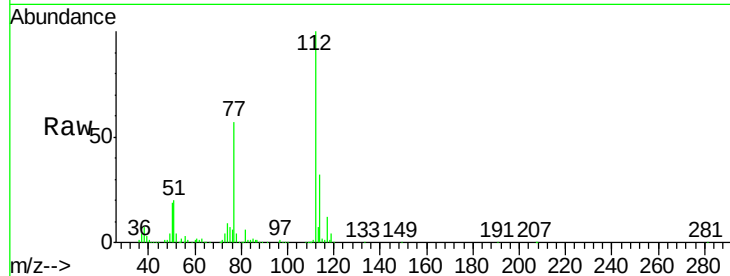
#65
Chlorobenzene
Concen: 19.555 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.1	39.1

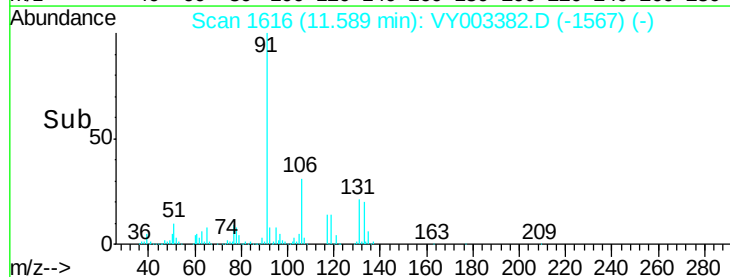
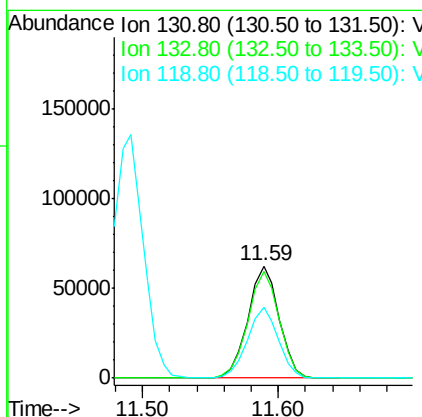
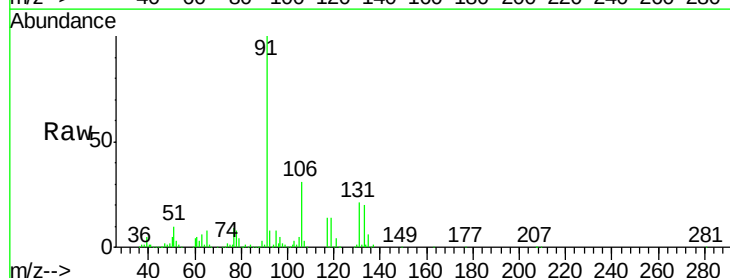
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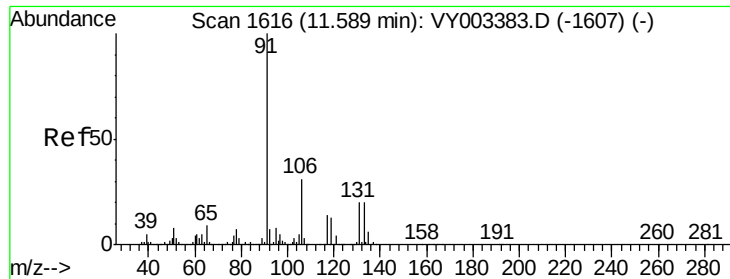
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.387 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.1	144.3
119	62.6	32.0	96.2





#67

Ethyl Benzene

Concen: 19.443 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 462860

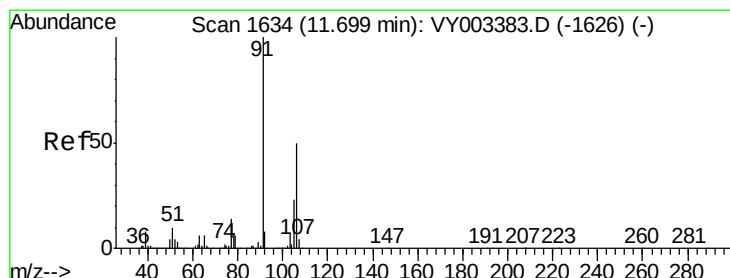
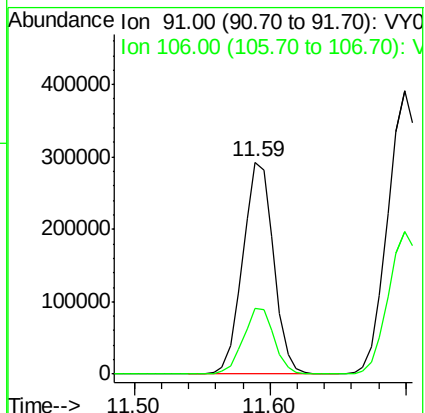
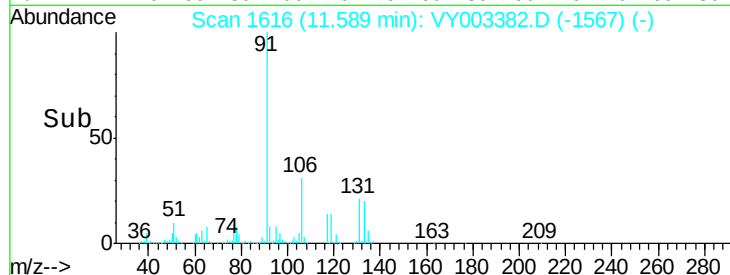
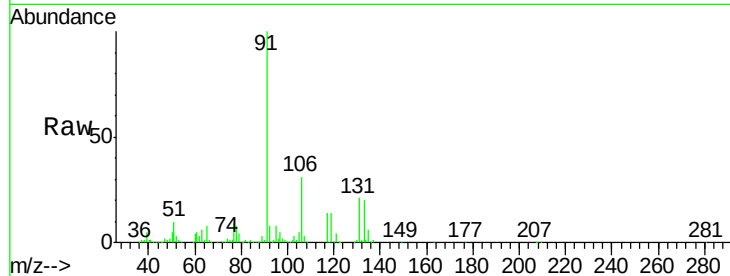
Ion Ratio Lower Upper

91 100

106 30.8 24.4 36.6

Manual Integrations
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8/3/2020 12:37:26 PM



#68

m/p-Xylenes

Concen: 39.149 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003382.D

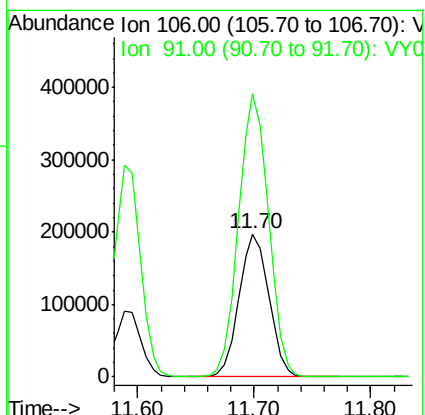
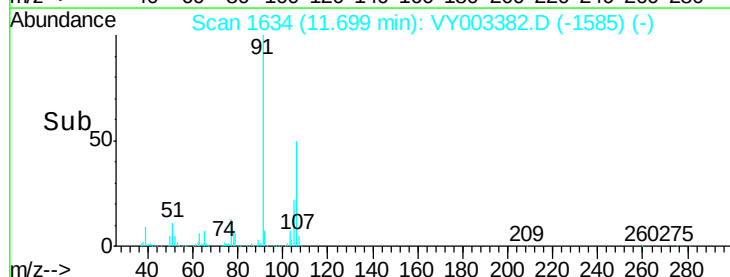
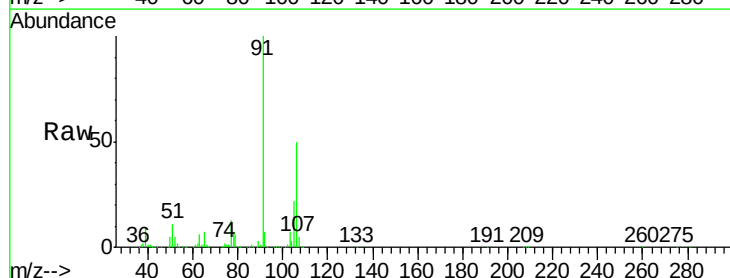
Acq: 31 Jul 2020 11:44

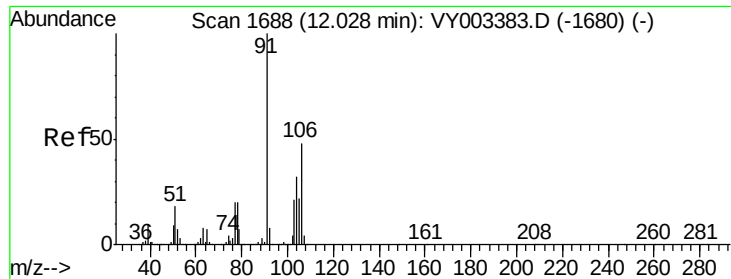
Tgt Ion: 106 Resp: 353218

Ion Ratio Lower Upper

106 100

91 199.6 161.0 241.6





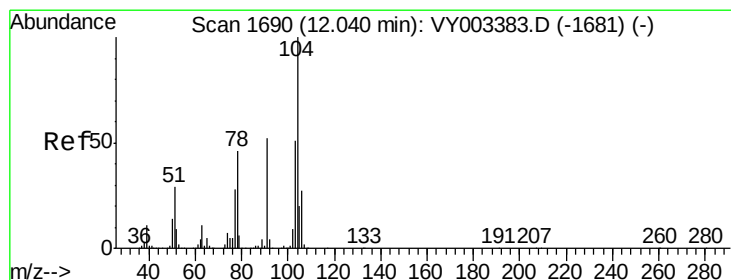
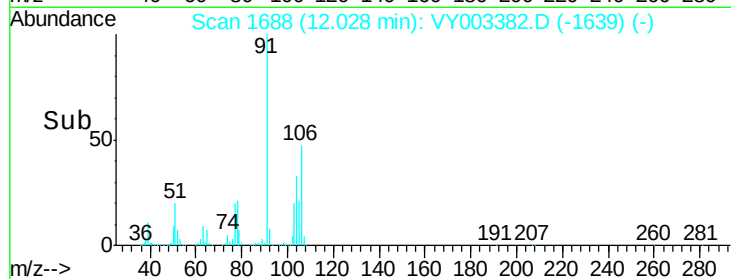
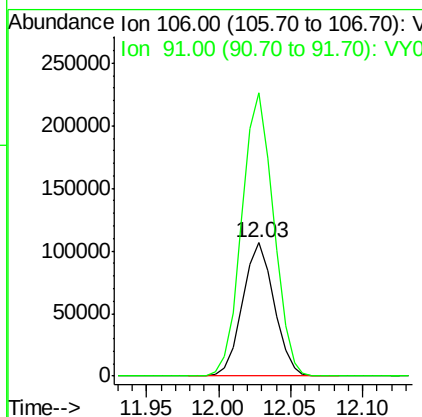
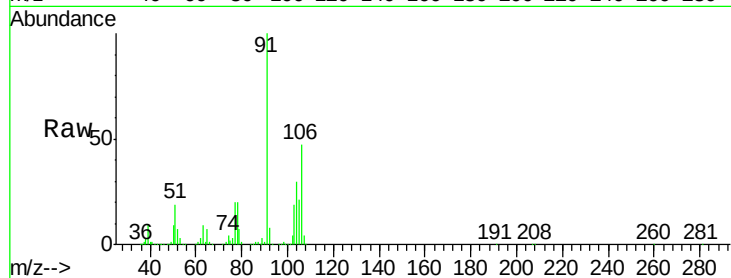
#69
o-Xylene
Concen: 19.201 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.7	104.6	313.7	

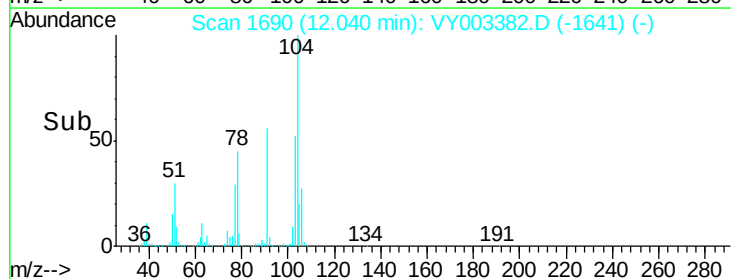
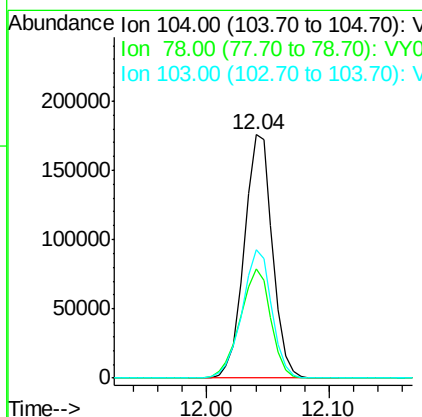
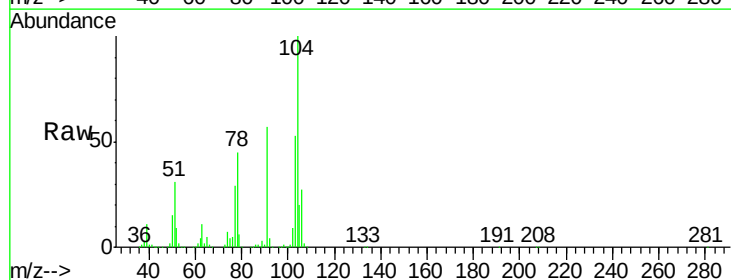
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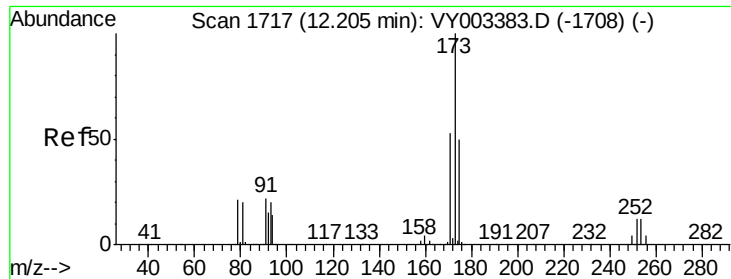
MMDadoda
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#70
Styrene
Concen: 19.443 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.7	39.3	58.9	
103	55.8	43.7	65.5	





#71

Bromoform

Concen: 19.781 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 66649

Ion Ratio Lower Upper

173 100

175 50.1 24.1 72.2

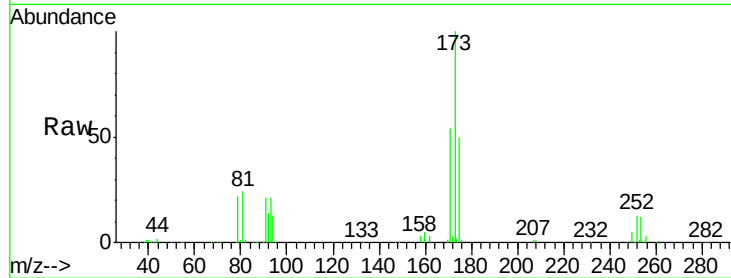
254 0.1 0.2 0.2#

Manual Integrations

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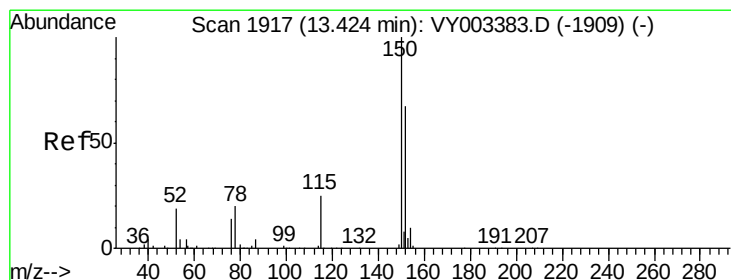
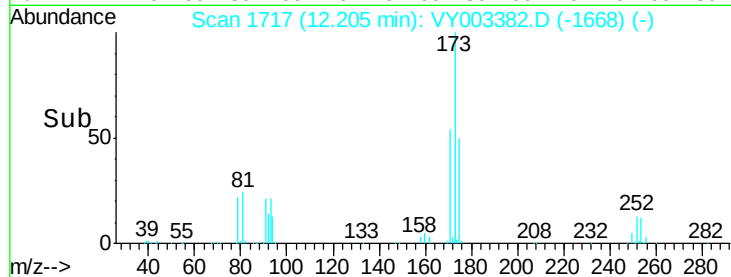
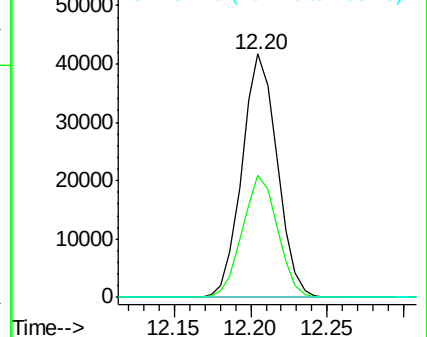
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

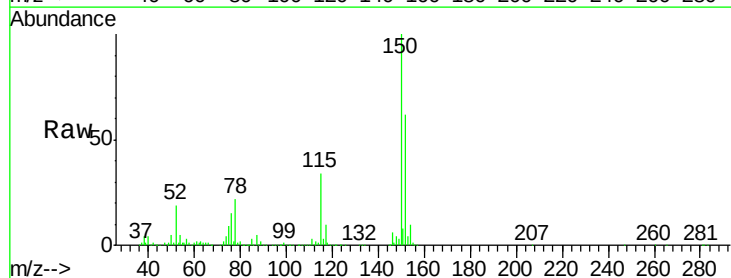
Tgt Ion:152 Resp: 368881

Ion Ratio Lower Upper

152 100

115 53.4 27.2 81.5

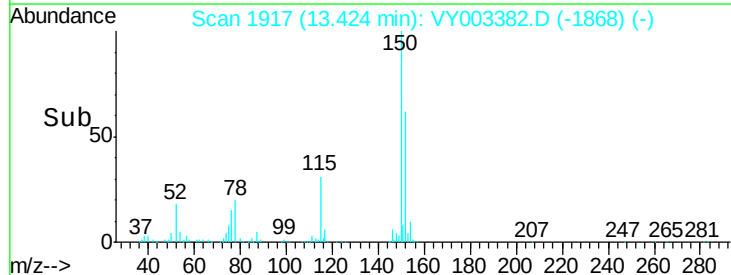
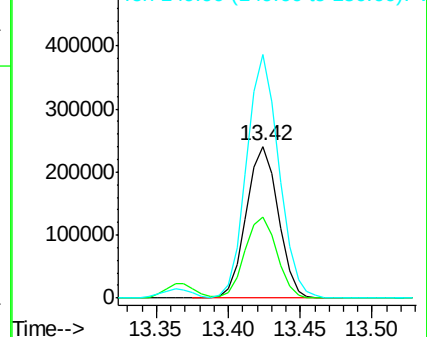
150 162.5 0.0 346.8

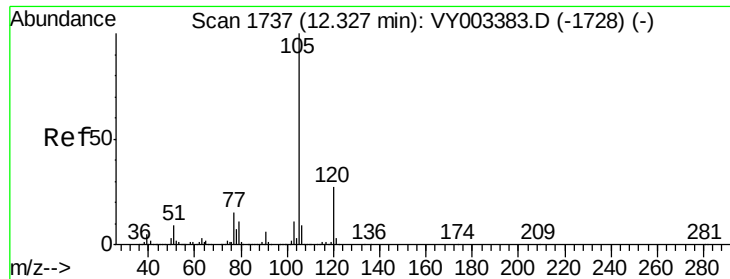


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.756 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 448131

Ion Ratio Lower Upper

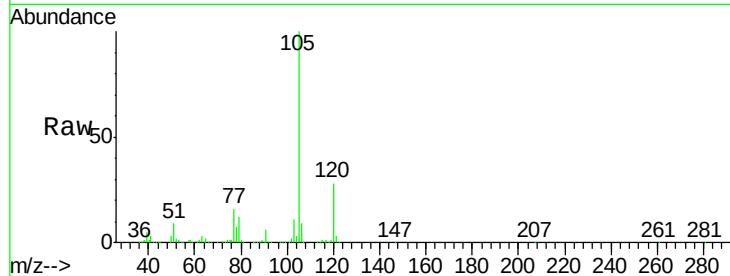
105 100

120 27.2 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

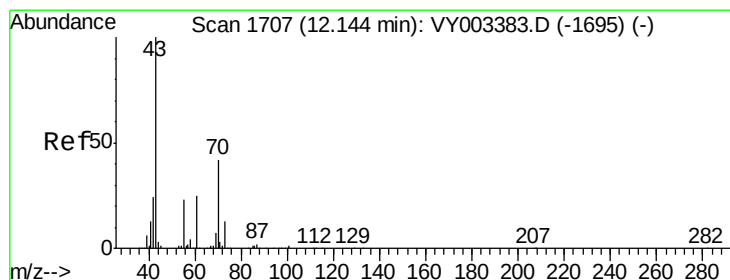
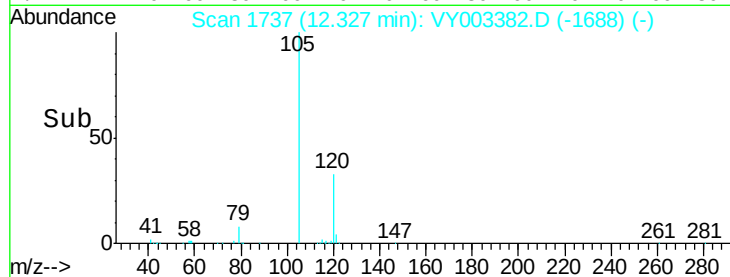
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.254 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tgt Ion: 43 Resp: 136145

Ion Ratio Lower Upper

43 100

70 43.0 33.6 50.4

55 25.1 18.5 27.7

61 23.8 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

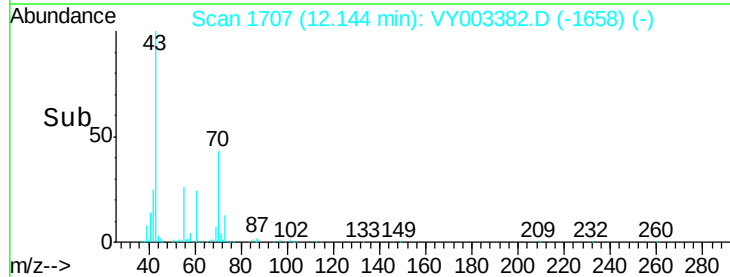
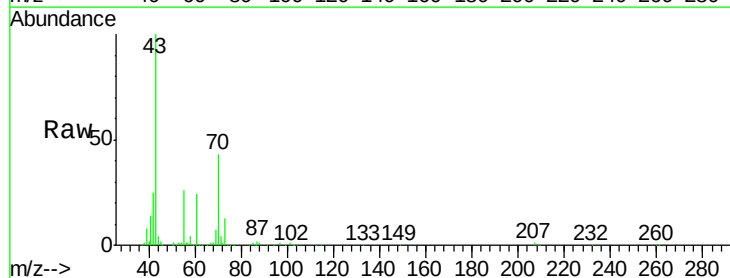
Ion 61.00 (60.70 to 61.70): VY0

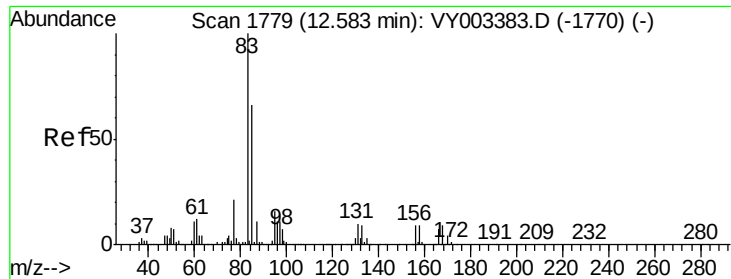
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.447 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

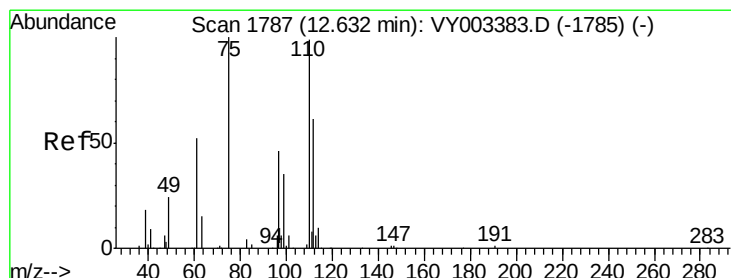
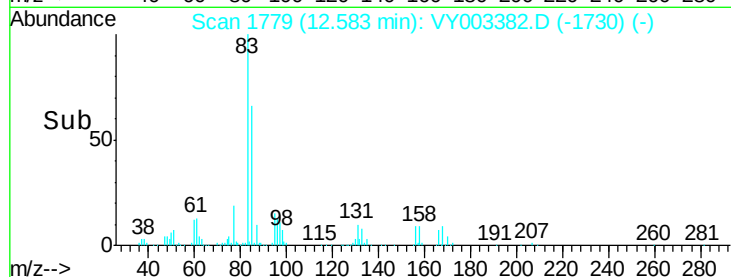
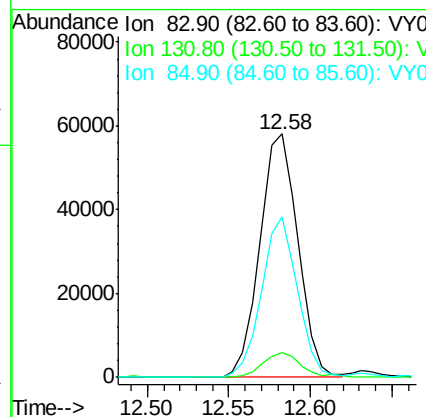
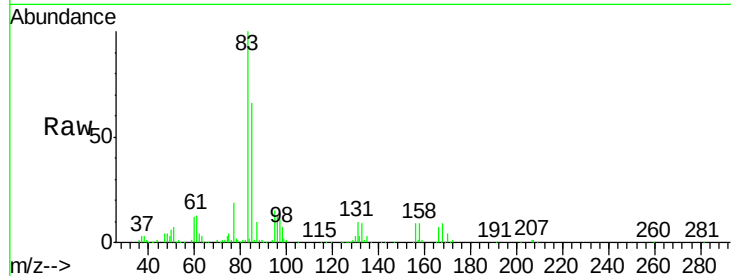
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	94362
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	16.1
85	62.2	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.978 ug/l m

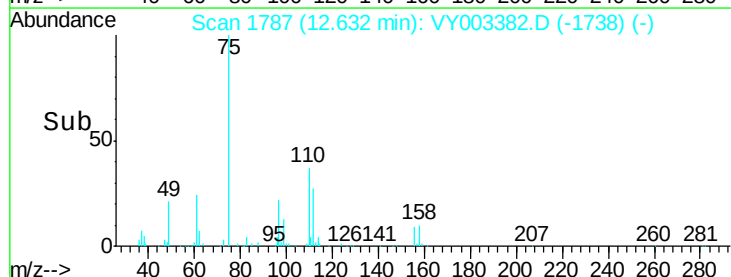
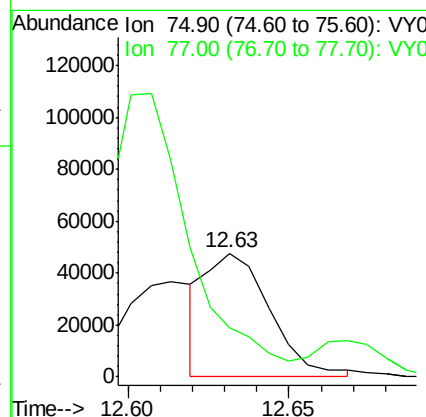
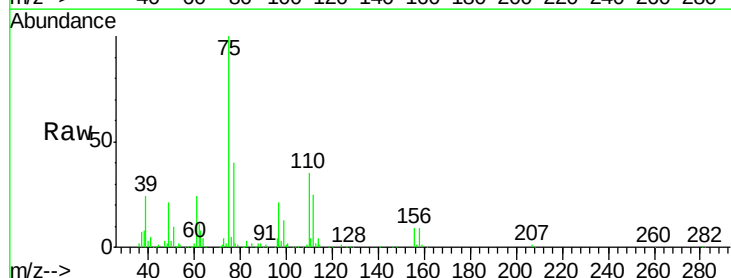
RT: 12.63 min Scan# 1787

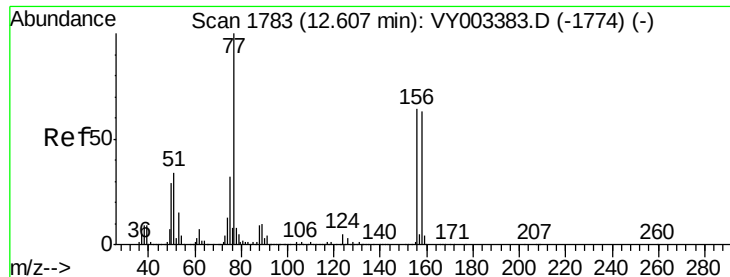
Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tgt Ion:	75	Resp:	65854
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.054 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

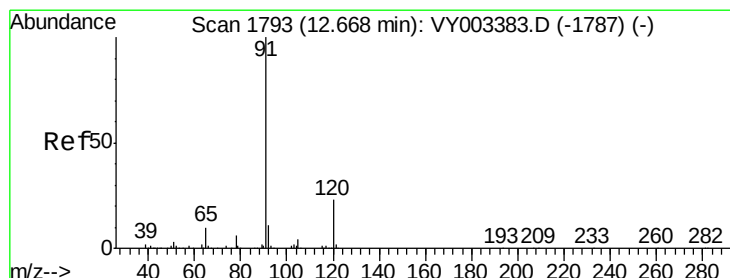
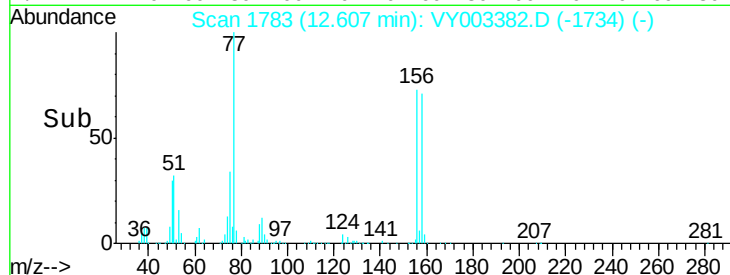
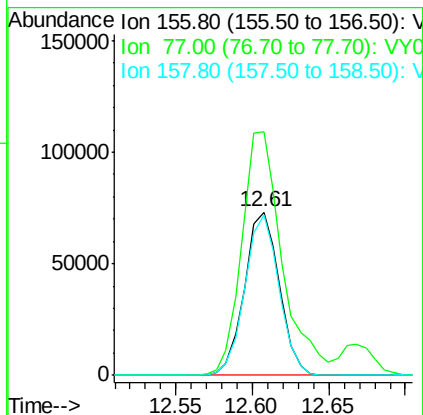
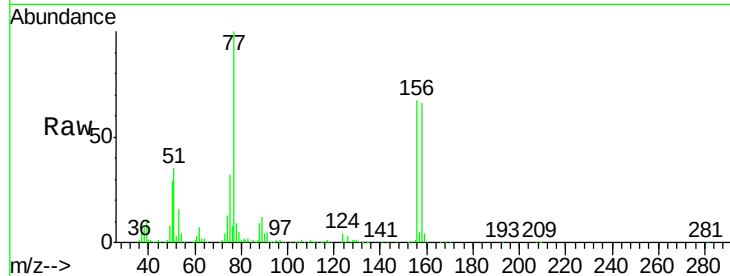
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	115891
Ion Ratio	Lower	Upper	
156	100		
77	173.4	87.5	262.5
158	96.6	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 19.330 ug/l

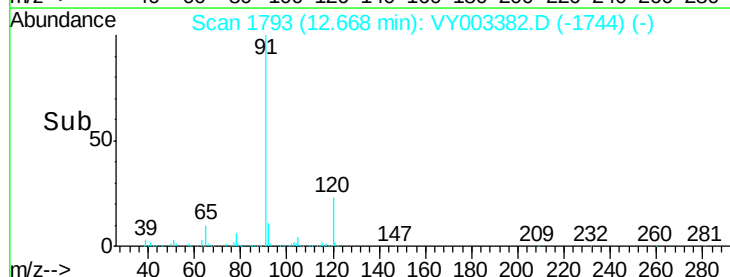
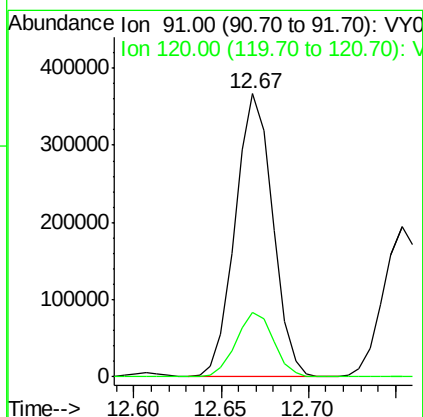
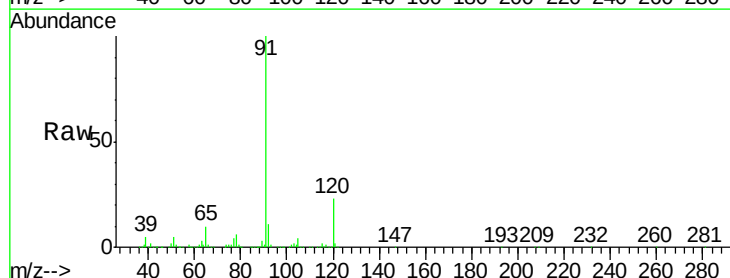
RT: 12.67 min Scan# 1793

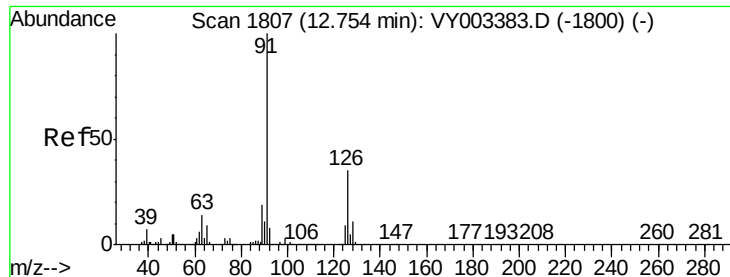
Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tgt Ion:	91	Resp:	546026
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.6	34.8





#79

2-Chlorotoluene

Concen: 19.195 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 301800

Ion Ratio Lower Upper

91 100

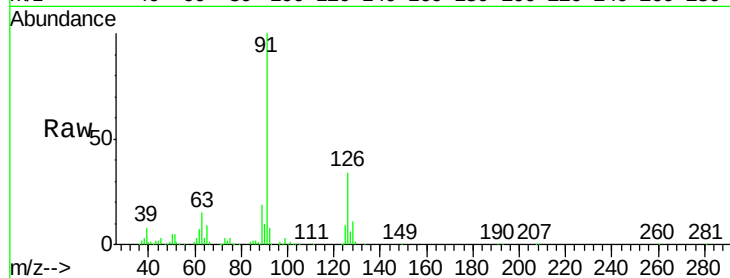
126 35.3 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VY003383.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY003383.D (-1800) (-)

12.75

200000

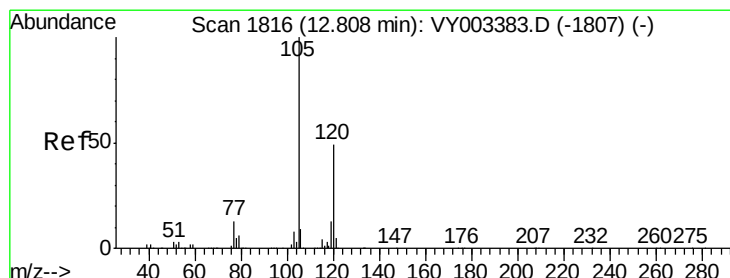
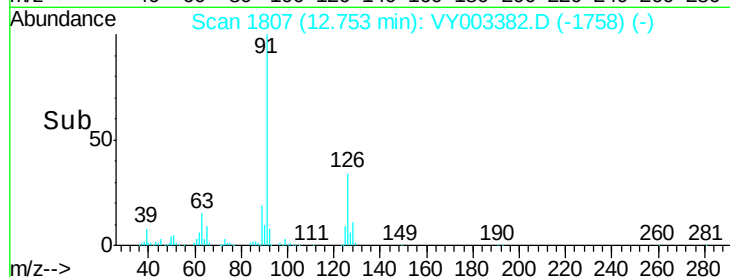
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.192 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003382.D

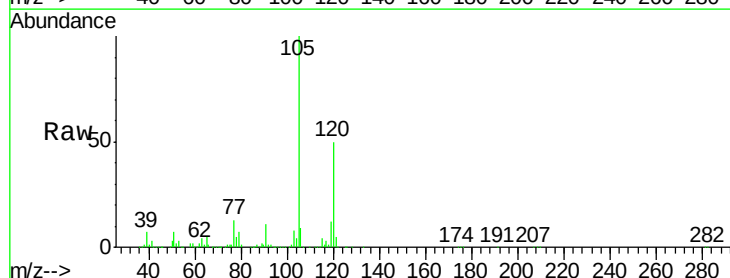
Acq: 31 Jul 2020 11:44

Tgt Ion: 105 Resp: 382635

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY003383.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY003383.D (-1807) (-)

12.81

300000

250000

200000

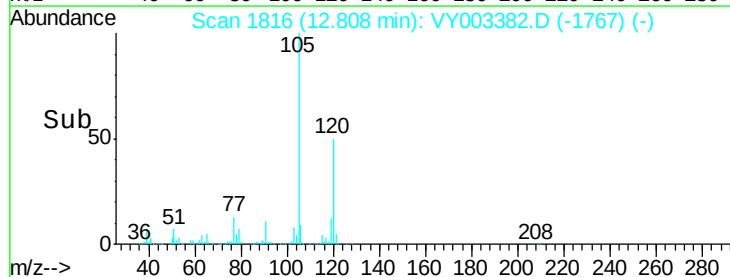
150000

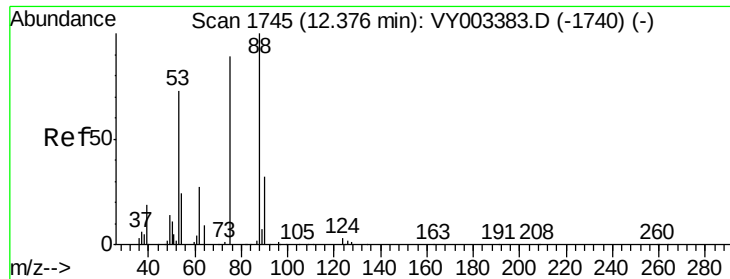
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.081 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

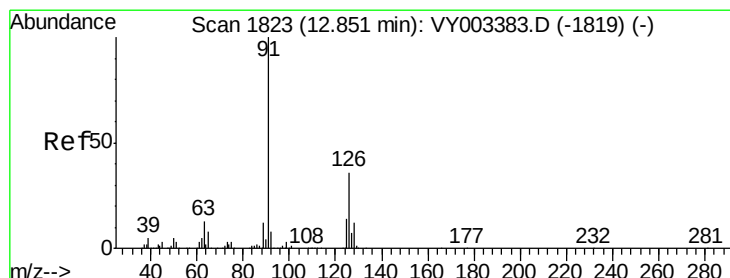
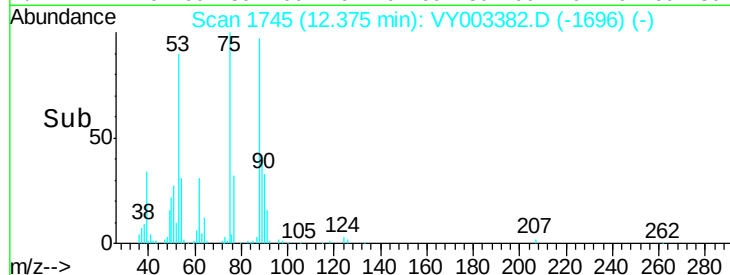
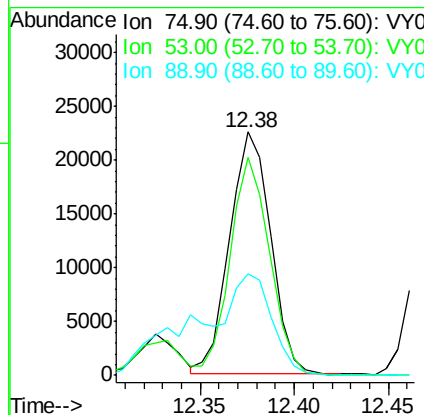
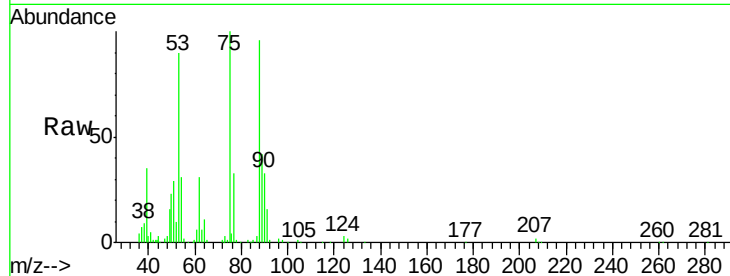
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	34155
Ion	Ratio	Lower	Upper
75	100		
53	86.3	69.5	104.3
89	43.3	33.8	50.6

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#82

4-Chlorotoluene

Concen: 19.506 ug/l

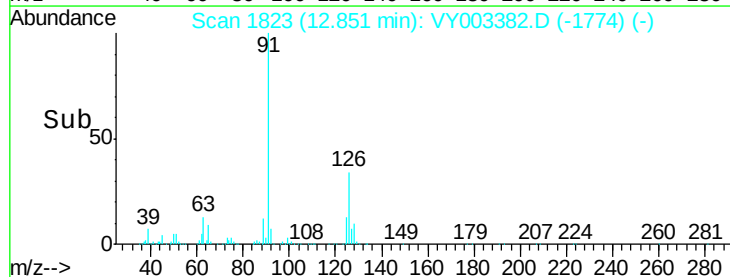
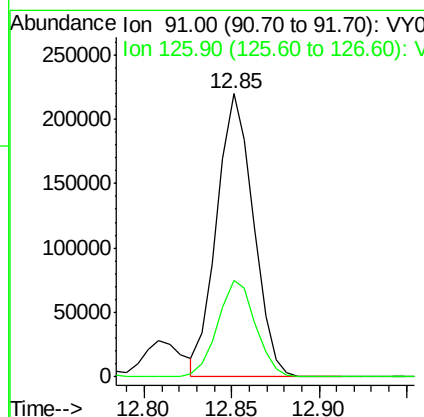
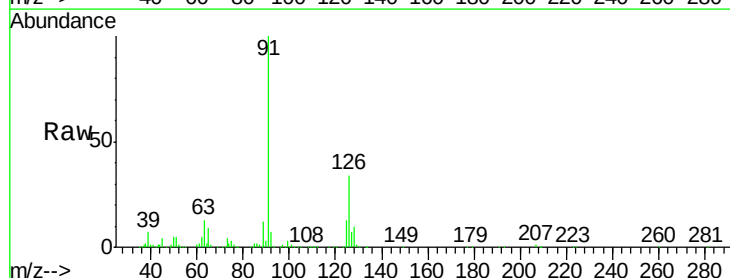
RT: 12.85 min Scan# 1823

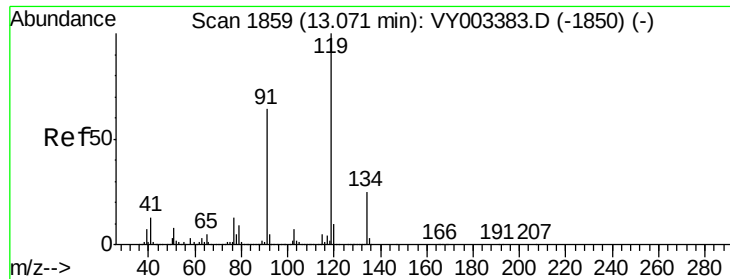
Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tgt Ion:	91	Resp:	320072
Ion	Ratio	Lower	Upper
91	100		
126	35.4	18.1	54.4





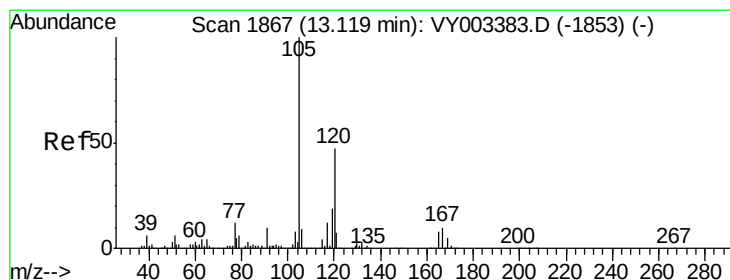
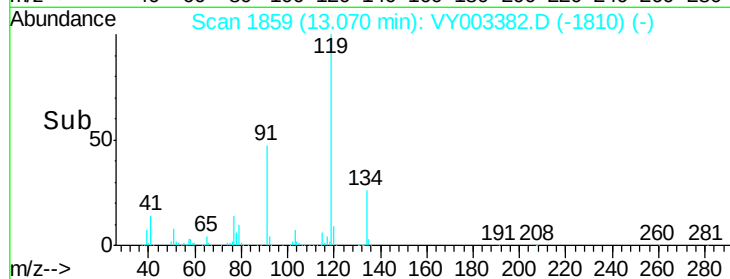
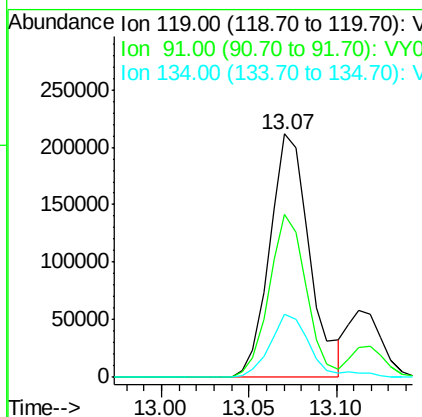
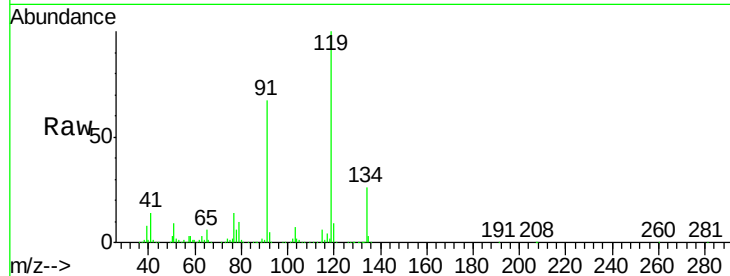
#83
 tert-Butylbenzene
 Concen: 19.210 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.8	95.3
134	26.4	13.6	40.8

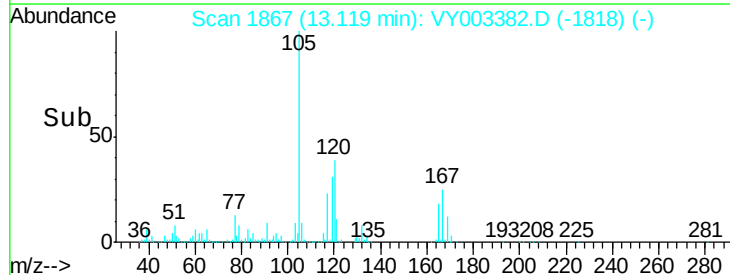
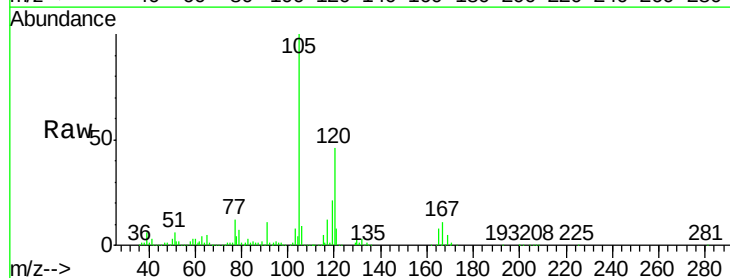
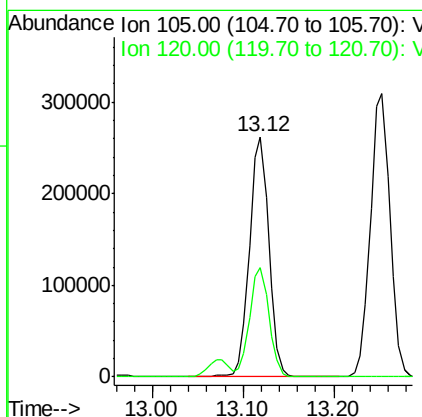
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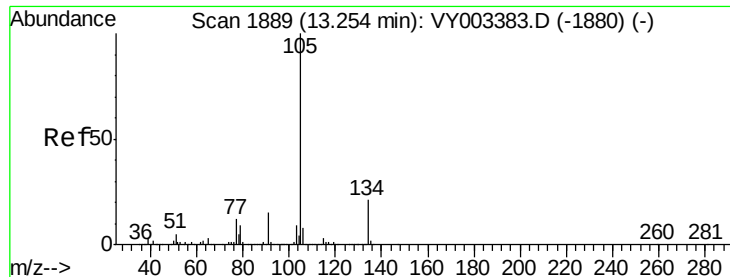
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.352 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.155 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 463407

Ion Ratio Lower Upper

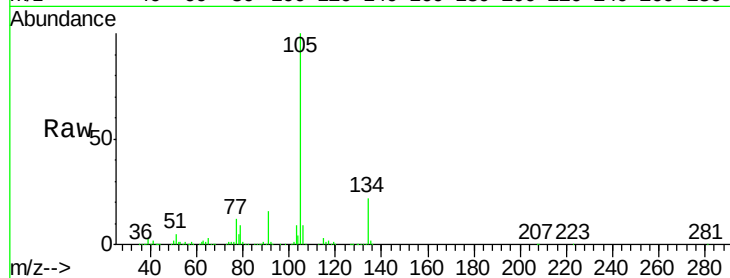
105 100

134 21.5 10.4 31.4

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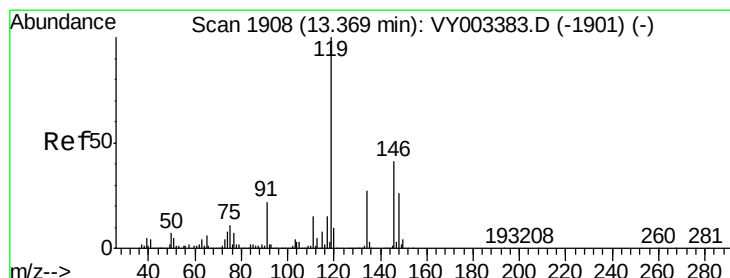
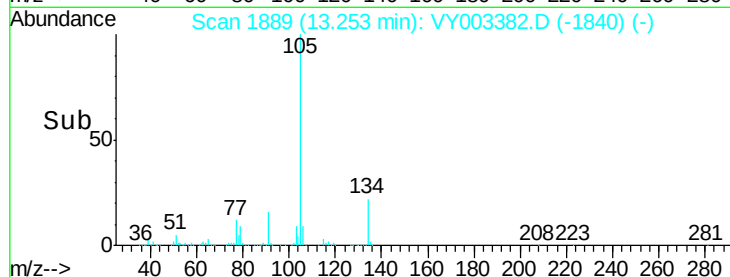
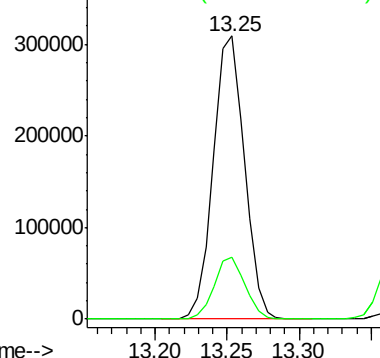
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.000 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

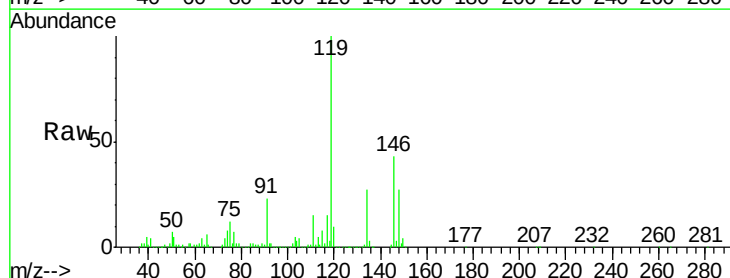
Tgt Ion:119 Resp: 429176

Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.4

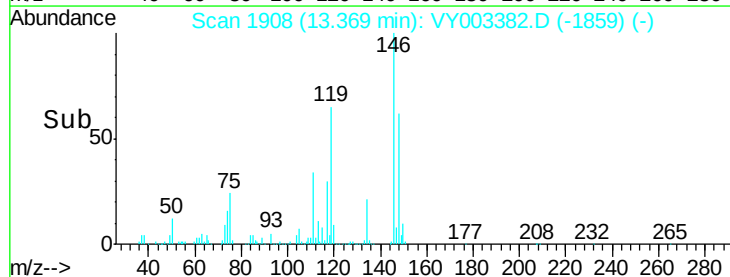
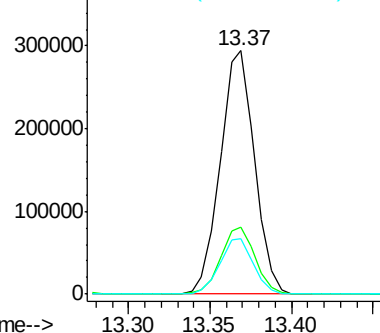
91 22.4 11.4 34.1

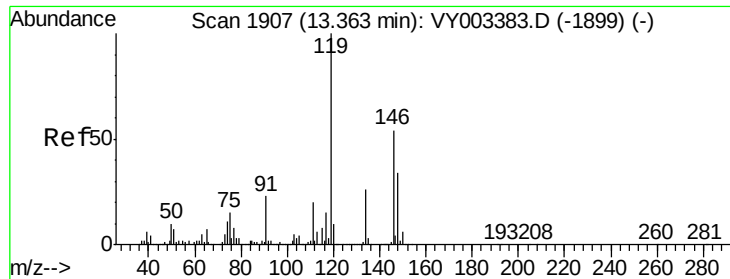


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





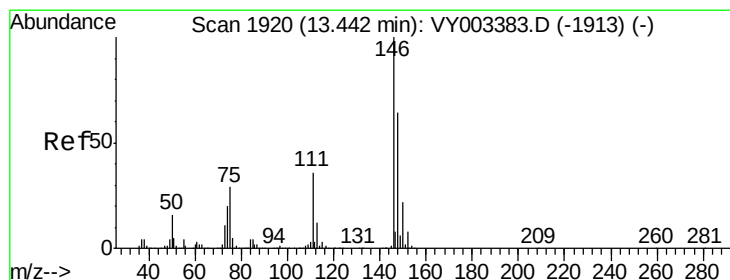
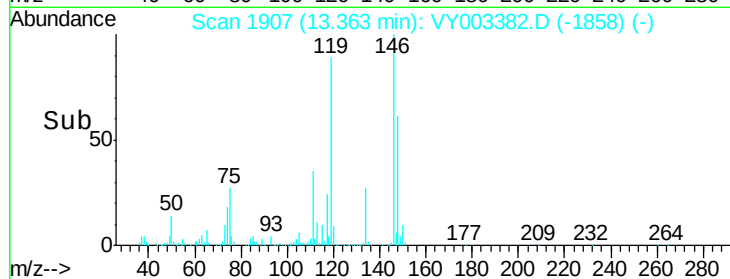
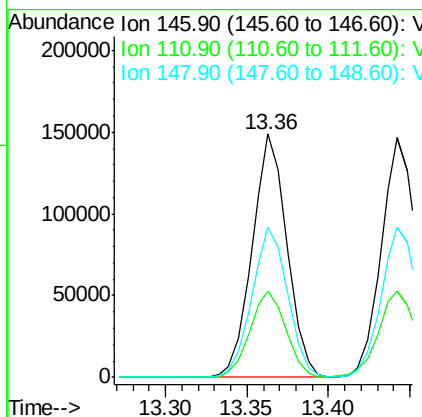
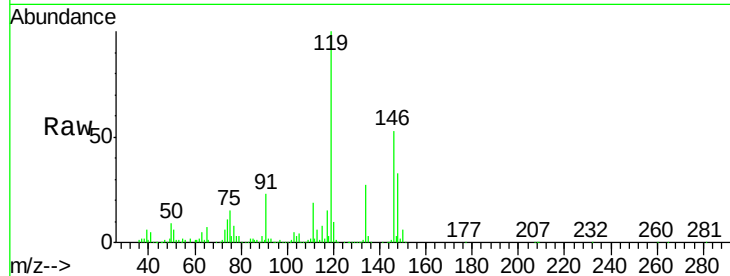
#87
 1,3-Dichlorobenzene
 Concen: 19.091 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	220055		
111	36.6	18.8	56.4	
148	63.2	31.9	95.9	

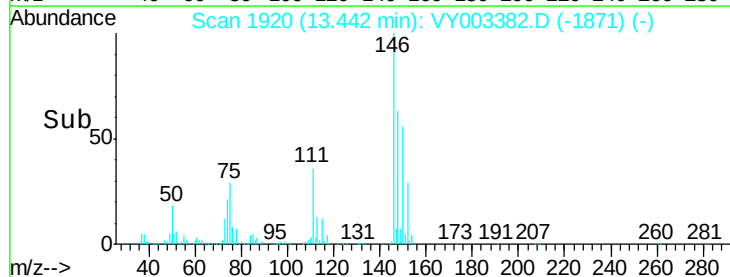
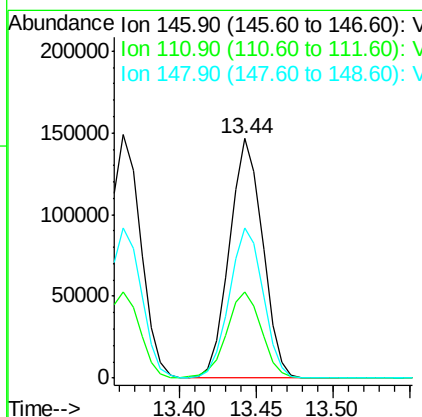
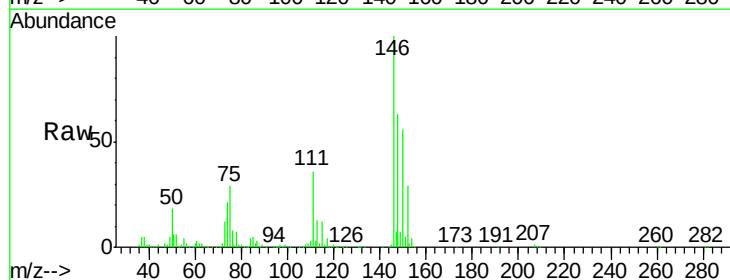
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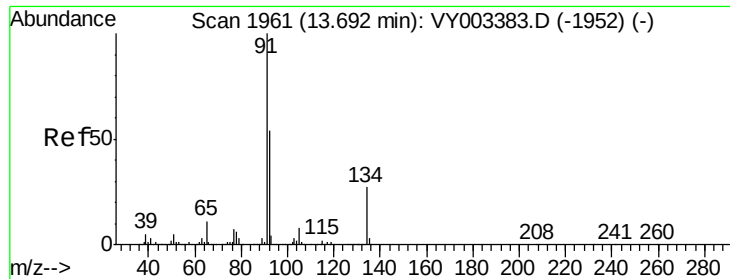
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#88
 1,4-Dichlorobenzene
 Concen: 19.303 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	220376		
111	37.7	18.1	54.3	
148	63.9	32.1	96.3	





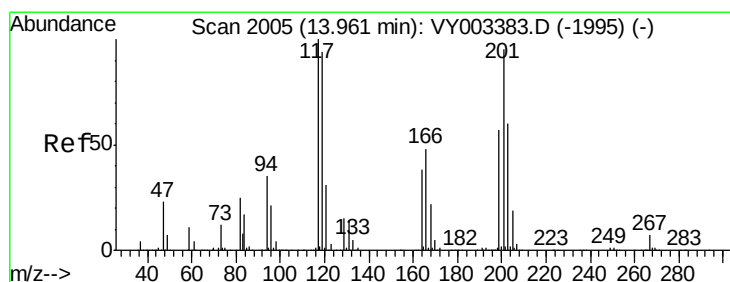
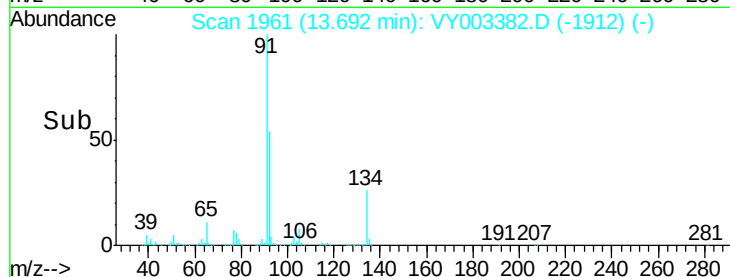
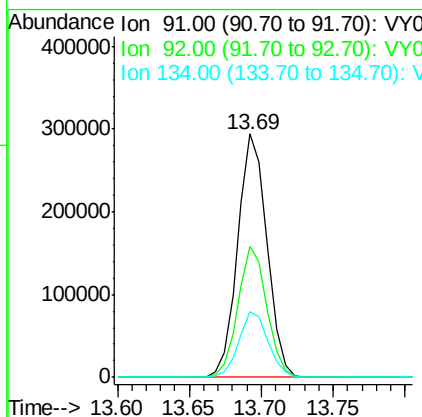
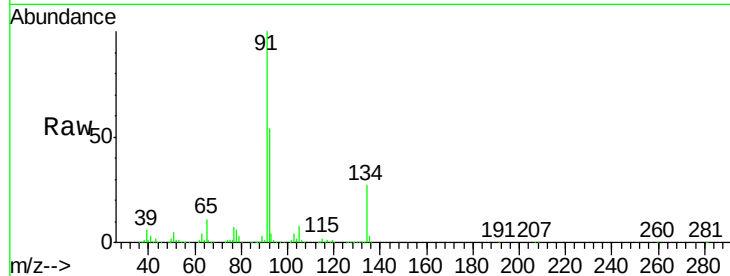
#89
n-Butylbenzene
Concen: 19.495 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	27.0	13.6	40.7

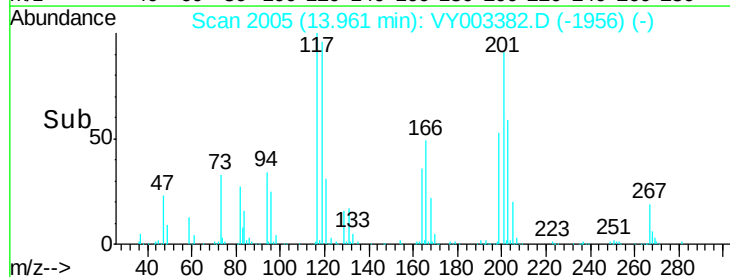
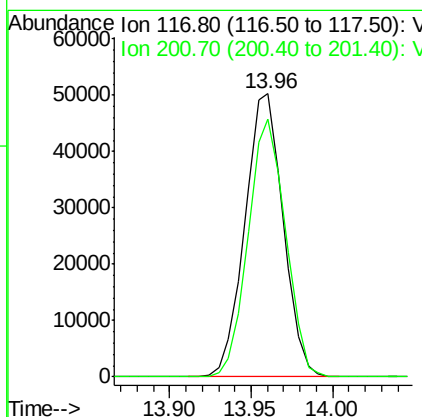
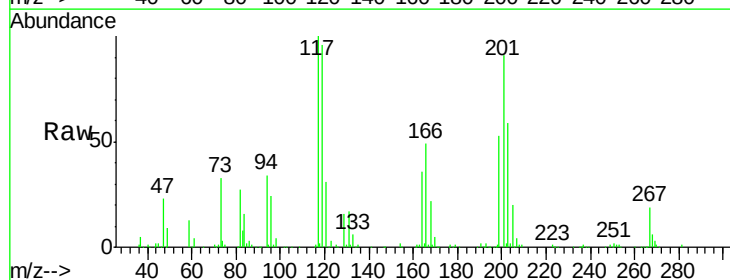
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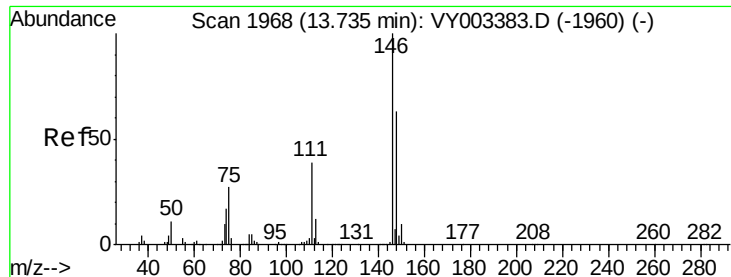
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#90
Hexachloroethane
Concen: 19.801 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	44.7	134.1





#91

1,2-Dichlorobenzene

Concen: 19.363 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Instrument :

MSVOA_Y

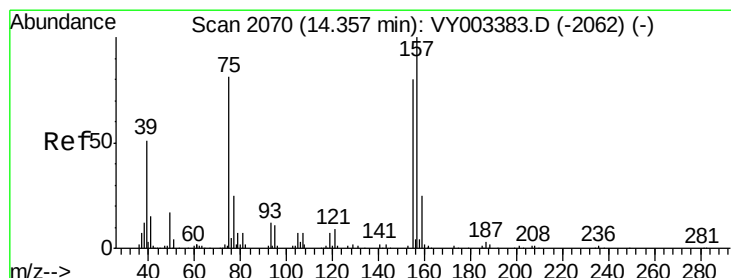
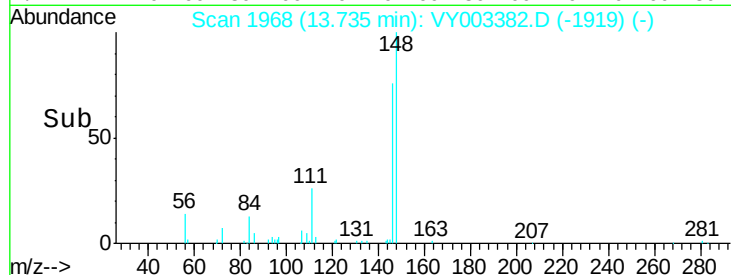
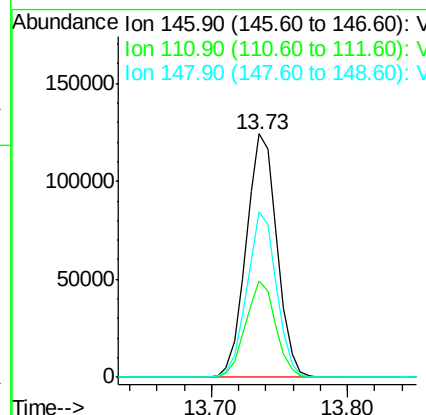
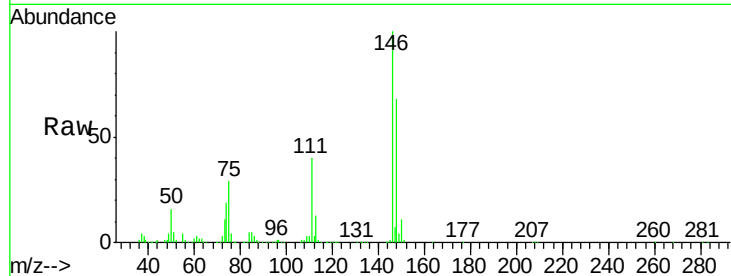
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	196053
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.2	57.6
148	65.3	32.1	96.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.873 ug/l

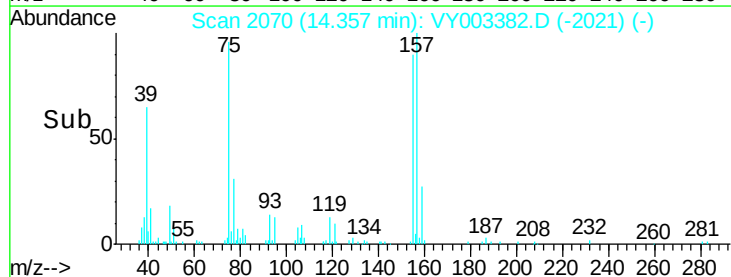
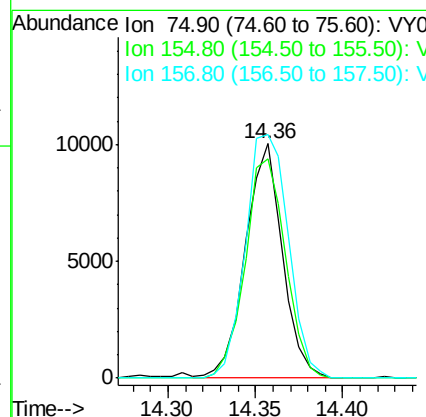
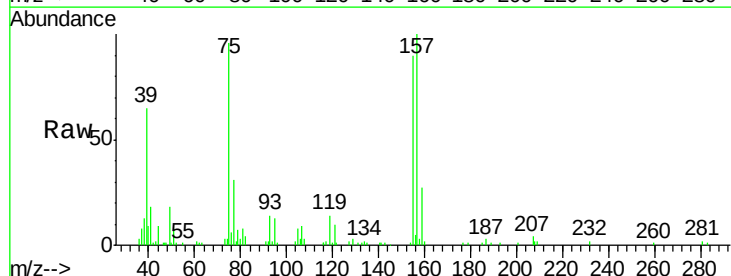
RT: 14.36 min Scan# 2070

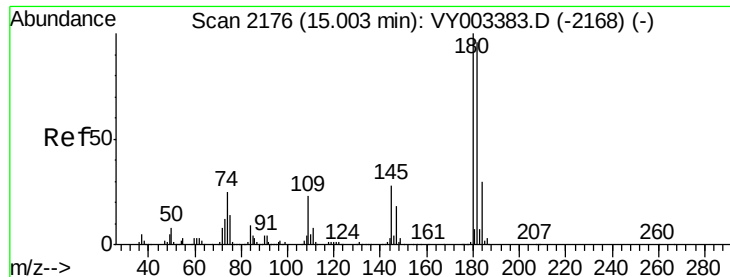
Delta R.T. -0.00 min

Lab File: VY003382.D

Acq: 31 Jul 2020 11:44

Tgt Ion:	75	Resp:	14841
Ion Ratio	Lower	Upper	
75	100		
155	101.8	48.8	146.4
157	120.8	60.9	182.6





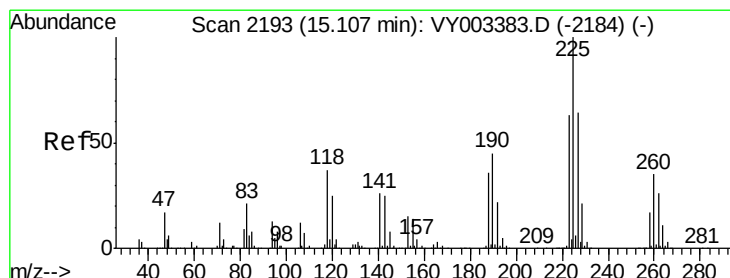
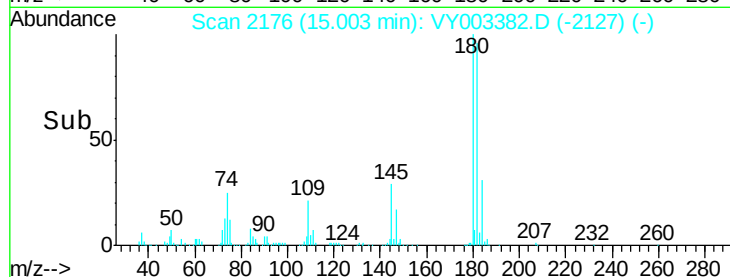
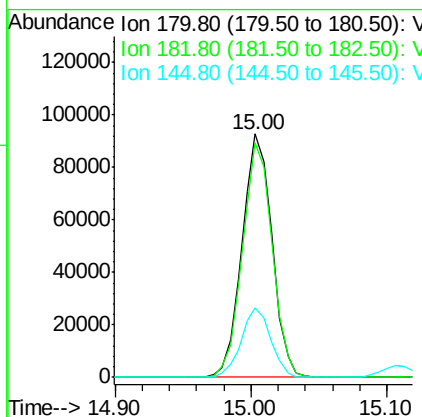
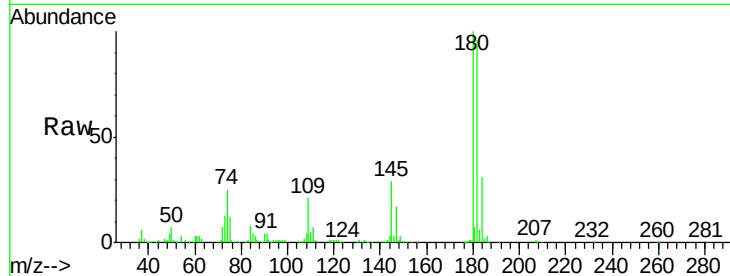
#93
 1,2,4-Trichlorobenzene
 Concen: 19.823 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142940		
182	95.6	48.2	144.6	
145	28.2	13.8	41.3	

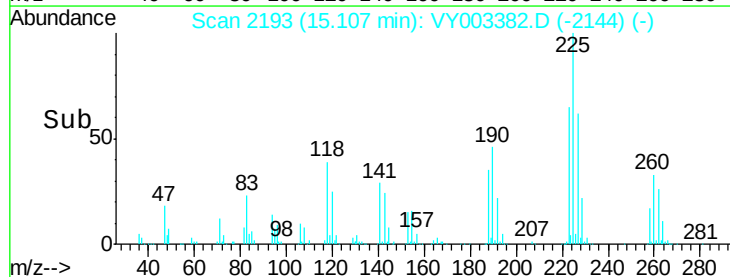
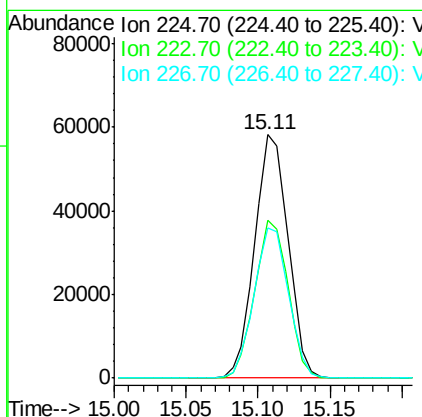
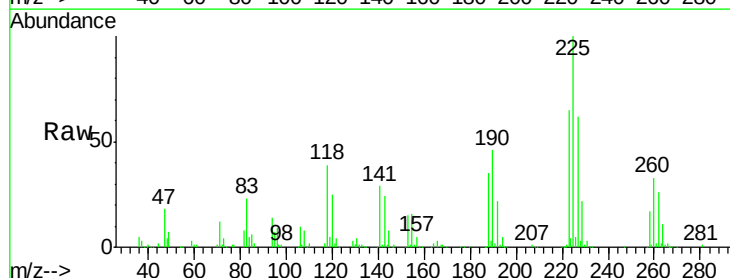
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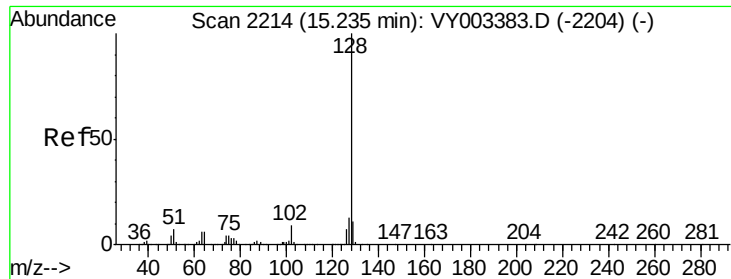
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#94
 Hexachlorobutadiene
 Concen: 18.992 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY003382.D
 Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93446		
223	64.6	31.6	94.8	
227	63.5	32.0	96.2	





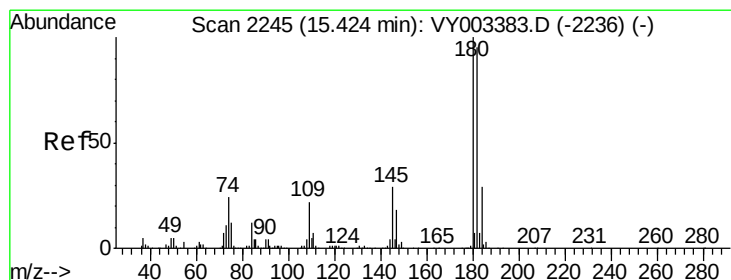
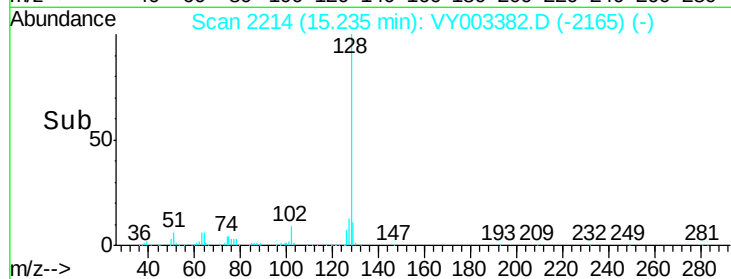
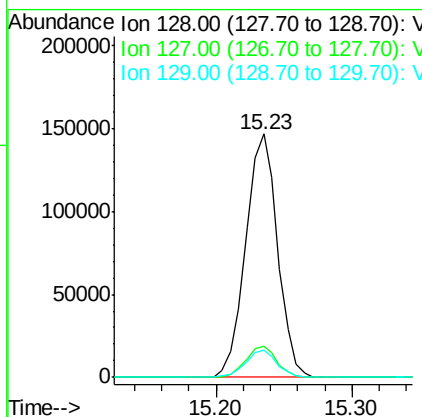
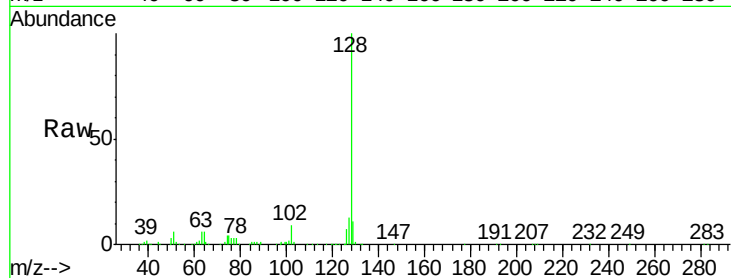
#95
Naphthalene
Concen: 20.104 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	240628		
127	12.7		10.4	15.6
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/3/2020 12:37:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.763 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY003382.D
Acq: 31 Jul 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	113519		
182	98.1		47.4	142.2
145	28.7		14.5	43.5

