

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002721.D
 Acq On : 20 May 2020 11:16
 Operator : SY/MD
 Sample : VY0520SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2020 1:14:36 PM

Quant Time: May 21 03:48:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	420468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	615474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	553974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	283381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	163922	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	7.72	113	177820	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.18	98	707390	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.48	95	239095	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	62197	20.643	ug/l	100
3) Chloromethane	2.12	50	70565	20.450	ug/l	97
4) Vinyl Chloride	2.26	62	75445	20.983	ug/l	97
5) Bromomethane	2.65	94	52393	19.660	ug/l	100
6) Chloroethane	2.80	64	46066	20.035	ug/l	97
7) Trichlorofluoromethane	3.13	101	120502	19.886	ug/l	98
8) Diethyl Ether	3.54	74	41130	19.953	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	76181	20.740	ug/l	99
10) Methyl Iodide	4.10	142	98241	19.431	ug/l	99
11) Tert butyl alcohol	4.97	59	33164	99.290	ug/l	99
12) 1,1-Dichloroethene	3.88	96	73660	19.972	ug/l	97
13) Acrolein	3.74	56	35454	90.499	ug/l	99
14) Allyl chloride	4.49	41	109508	20.682	ug/l	98
15) Acrylonitrile	5.18	53	92692	99.310	ug/l	100
16) Acetone	3.96	43	61674	90.965	ug/l	95
17) Carbon Disulfide	4.20	76	229499	19.838	ug/l	98
18) Methyl Acetate	4.49	43	39450	20.407	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	182487	19.948	ug/l	98
20) Methylene Chloride	4.72	84	79467	19.390	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	82263	20.059	ug/l	97
22) Diisopropyl ether	6.13	45	216851	20.643	ug/l	97
23) Vinyl Acetate	6.07	43	680184	101.120	ug/l	99
24) 1,1-Dichloroethane	6.03	63	127641	20.334	ug/l	99
25) 2-Butanone	6.99	43	109103	97.259	ug/l	99
26) 2,2-Dichloropropane	6.99	77	119379	20.440	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	88776	20.034	ug/l	98
28) Bromochloromethane	7.34	49	52203	21.023	ug/l	98
29) Tetrahydrofuran	7.35	42	75991	99.562	ug/l	99
30) Chloroform	7.52	83	131211	20.140	ug/l	100
31) Cyclohexane	7.79	56	128516	20.186	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	120761	20.061	ug/l	100
36) 1,1-Dichloropropene	7.93	75	107360	20.605	ug/l	99
37) Ethyl Acetate	7.08	43	53294	20.796	ug/l	99
38) Carbon Tetrachloride	7.91	117	112944	20.169	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	141996	20.268	ug/l	98
40) Benzene	8.16	78	310771	20.442	ug/l	99
41) Methacrylonitrile	7.32	41	25544m	16.591	ug/l	
42) 1,2-Dichloroethane	8.24	62	79919	19.932	ug/l	99
43) Isopropyl Acetate	8.28	43	96308	20.222	ug/l	98
44) Trichloroethene	8.94	130	98731	20.374	ug/l	98
45) 1,2-Dichloropropane	9.22	63	73153	20.275	ug/l	99
46) Dibromomethane	9.31	93	40883	20.168	ug/l	100
47) Bromodichloromethane	9.50	83	99498	20.111	ug/l	94
48) Methyl methacrylate	9.30	41	43812	19.980	ug/l	97
49) 1,4-Dioxane	9.30	88	10338	374.446	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	248726	101.154	ug/l	99
52) Toluene	10.24	92	196932	20.017	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	104734	19.834	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	124986	20.417	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	60896	20.178	ug/l	99
56) Ethyl methacrylate	10.51	69	80709	20.088	ug/l	99
57) 1,3-Dichloropropane	10.79	76	100873	19.946	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	195708	98.671	ug/l	100
59) 2-Hexanone	10.83	43	168423	98.314	ug/l	99
60) Dibromochloromethane	10.99	129	77039	19.981	ug/l	99
61) 1,2-Dibromoethane	11.09	107	59568	20.034	ug/l	100
64) Tetrachloroethene	10.72	164	108470	20.624	ug/l	99
65) Chlorobenzene	11.52	112	218214	20.385	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	81316	20.467	ug/l	99
67) Ethyl Benzene	11.60	91	383654	20.412	ug/l	98
68) m/p-Xylenes	11.70	106	296084	40.490	ug/l	99
69) o-Xylene	12.03	106	139980	20.395	ug/l	99
70) Styrene	12.05	104	239640	20.336	ug/l	99
71) Bromoform	12.21	173	48967	19.939	ug/l #	100
73) Isopropylbenzene	12.33	105	384274	20.753	ug/l	100
74) N-amyl acetate	12.14	43	89847	20.678	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	55161	20.230	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	49527m	21.276	ug/l	
77) Bromobenzene	12.61	156	94586	20.432	ug/l	99
78) n-propylbenzene	12.67	91	446058	20.708	ug/l	100
79) 2-Chlorotoluene	12.76	91	244481	20.463	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	318341	20.461	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	24957	20.275	ug/l #	77
82) 4-Chlorotoluene	12.86	91	257178	20.550	ug/l	99
83) tert-Butylbenzene	13.08	119	280661	20.383	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	314895	20.251	ug/l	100
85) sec-Butylbenzene	13.25	105	391125	20.585	ug/l	100
86) p-Isopropyltoluene	13.37	119	364027	20.468	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	178506	19.999	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	177551	19.980	ug/l	99
89) n-Butylbenzene	13.70	91	333019	20.389	ug/l	100
90) Hexachloroethane	13.96	117	65897	20.004	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	157549	19.682	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10439	19.964	ug/l	94

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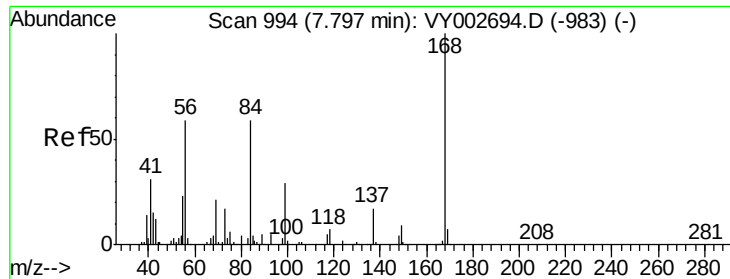
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	114762	17.839	ug/l	99
94) Hexachlorobutadiene	15.11	225	71513	18.449	ug/l	99
95) Naphthalene	15.23	128	200987	18.231	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	95185	17.155	ug/l	99

(#) = 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: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

Tot Ion:168 Resp: 420468

Ion Ratio Lower Upper

168 100

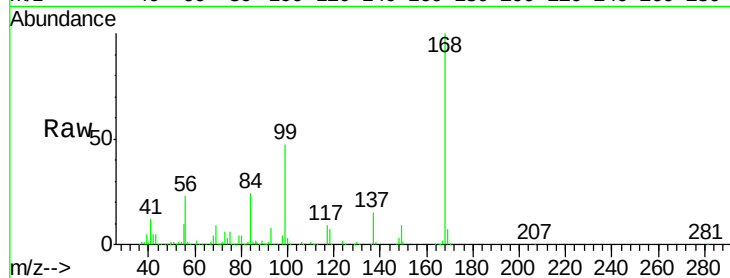
99 47.1 39.2 58.8

Manual Integrations

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5/21/2020 1:14:36 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002694.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002694.D (-983) (-)

7.80

200000

150000

100000

50000

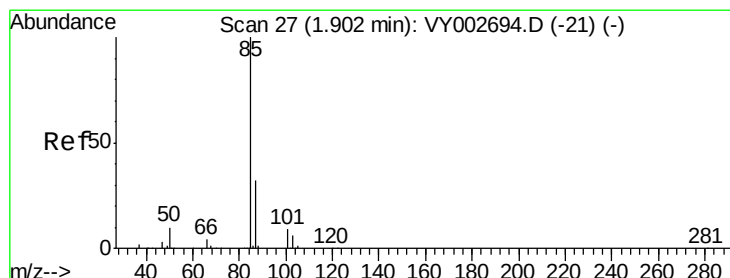
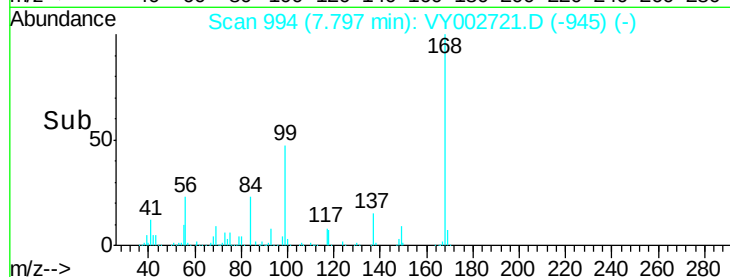
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.643 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002721.D

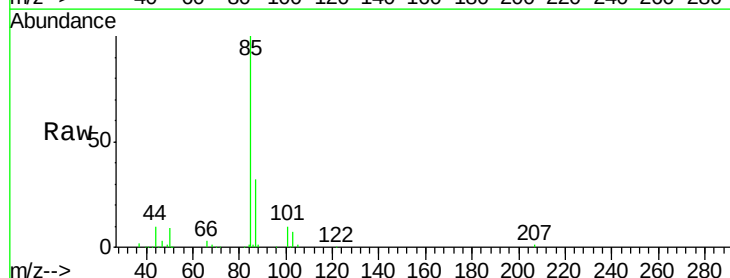
Acq: 20 May 2020 11:16

Tgt Ion: 85 Resp: 62197

Ion Ratio Lower Upper

85 100

87 31.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002694.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002694.D (-21) (-)

1.91

50000

40000

30000

20000

10000

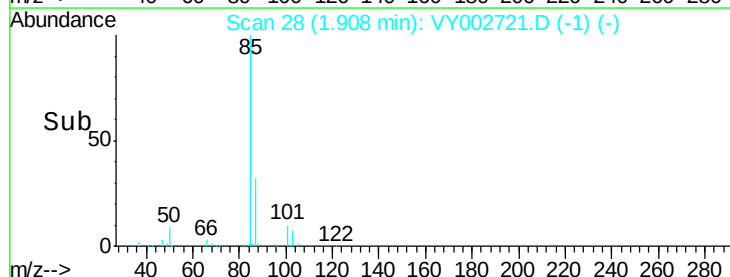
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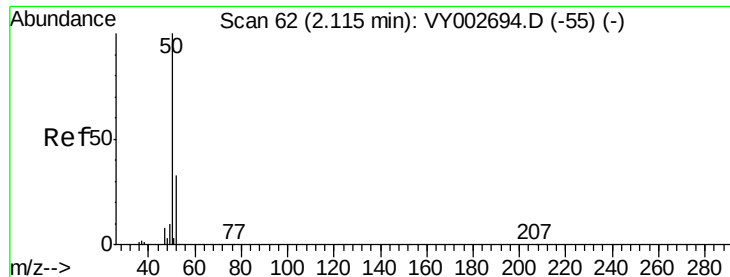
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 20.450 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.01 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 50 Resp: 70565

Ion Ratio Lower Upper

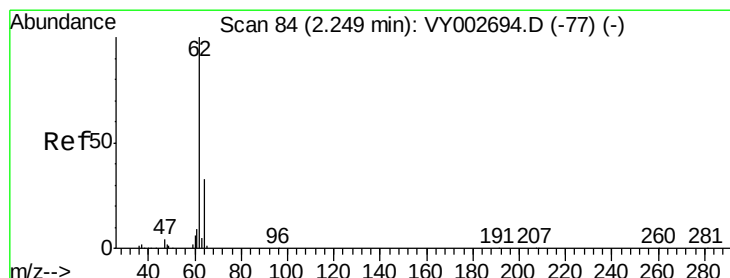
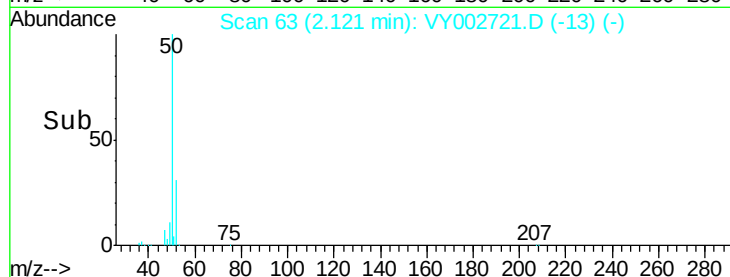
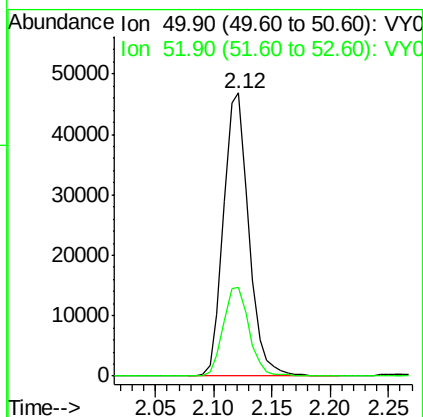
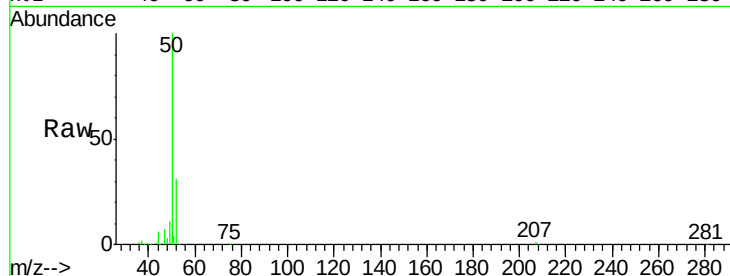
50 100

52 31.3 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.983 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY002721.D

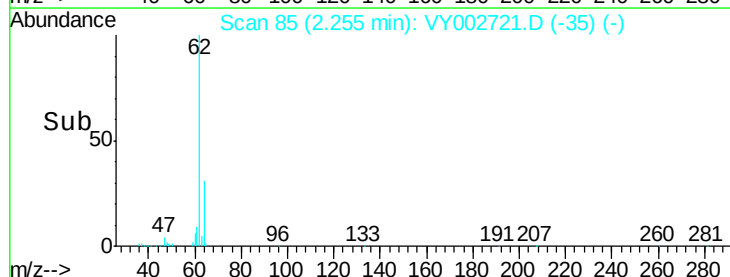
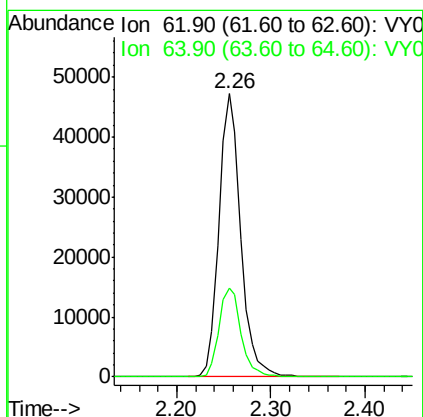
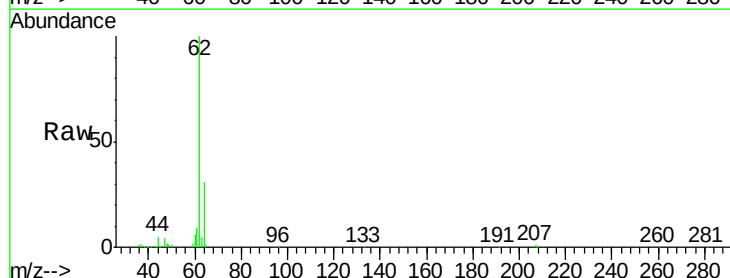
Acq: 20 May 2020 11:16

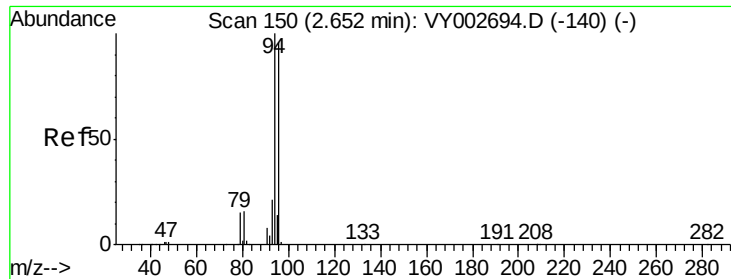
Tgt Ion: 62 Resp: 75445

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.4





#5

Bromomethane

Concen: 19.660 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 94 Resp: 52393

Ion Ratio Lower Upper

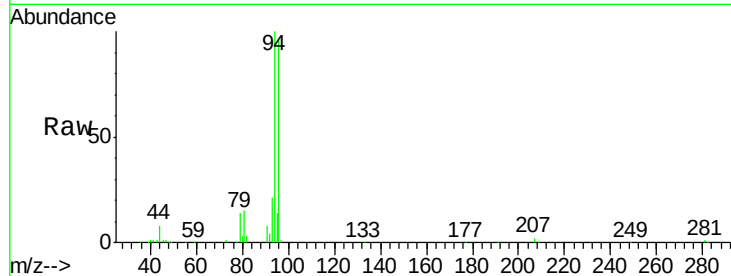
94 100

96 96.1 76.8 115.2

Manual Integrations
APPROVED

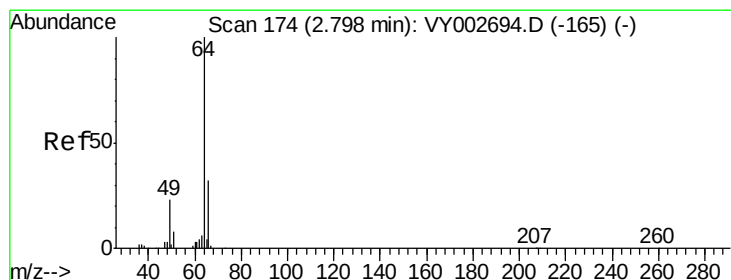
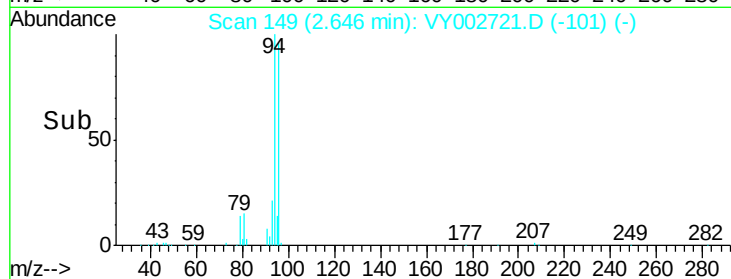
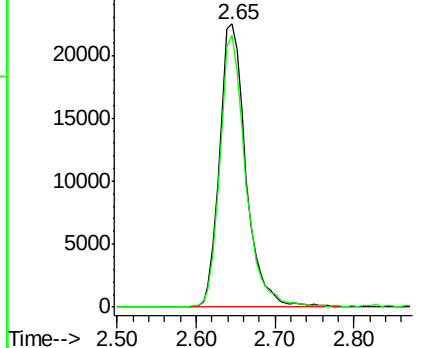
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.035 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY002721.D

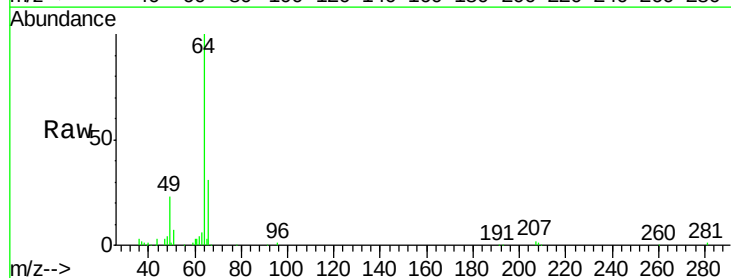
Acq: 20 May 2020 11:16

Tgt Ion: 64 Resp: 46066

Ion Ratio Lower Upper

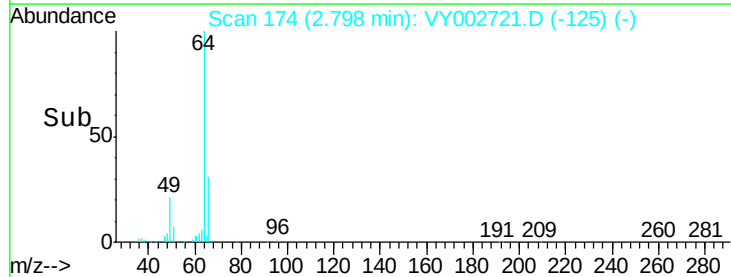
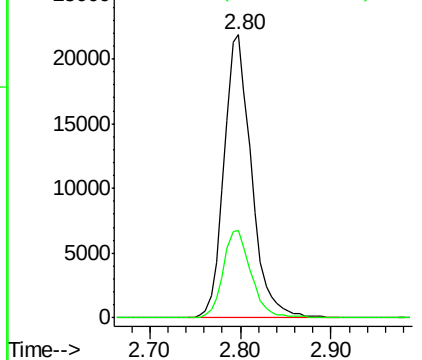
64 100

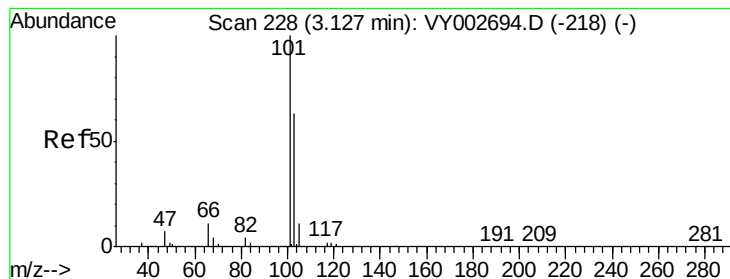
66 31.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

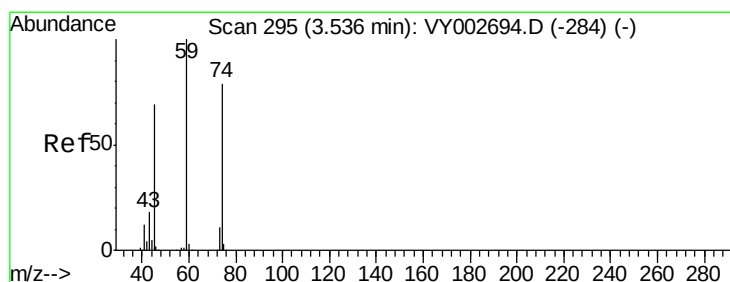
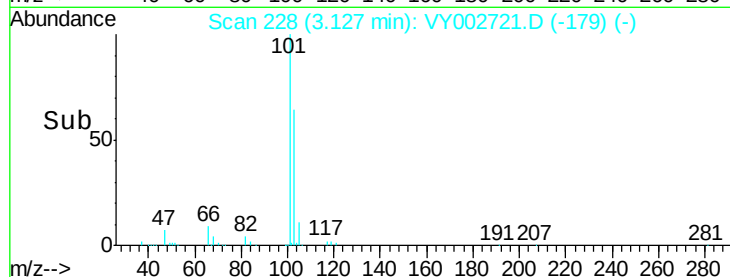
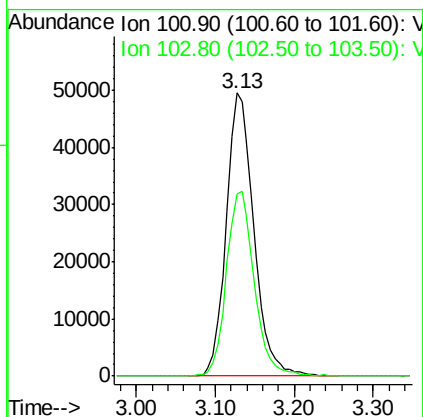
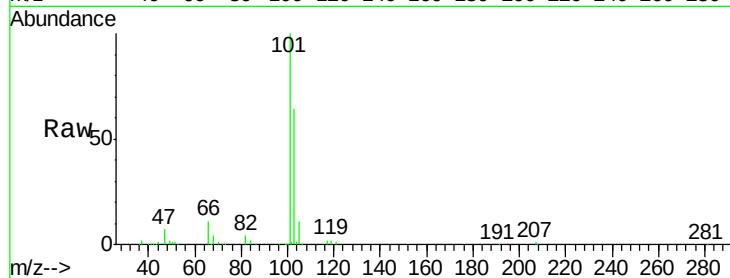
Trichlorofluoromethane
Concen: 19.886 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY002721.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.6	75.8

Manual Integrations
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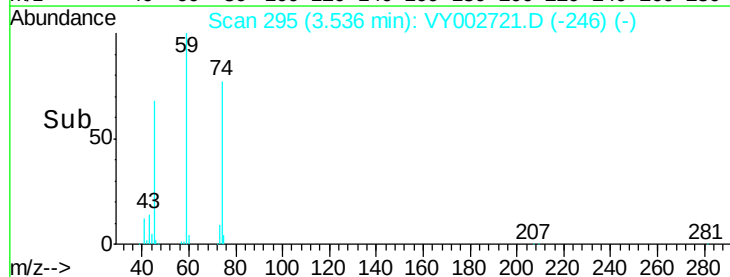
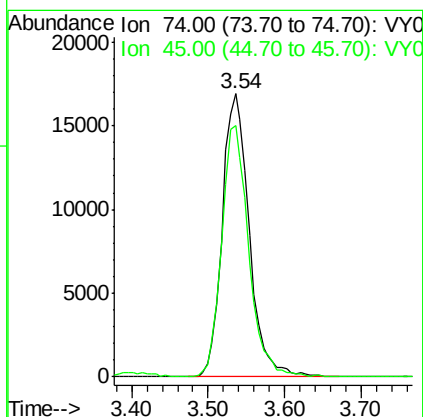
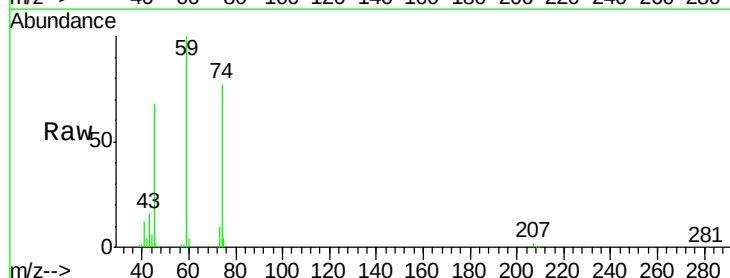
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5/21/2020 1:14:36 PM

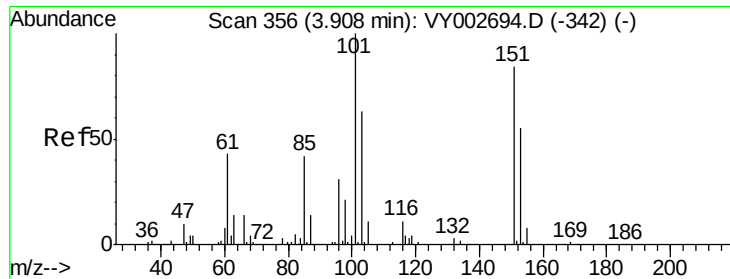


#8

Diethyl Ether
Concen: 19.953 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.3	43.8	131.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.740 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

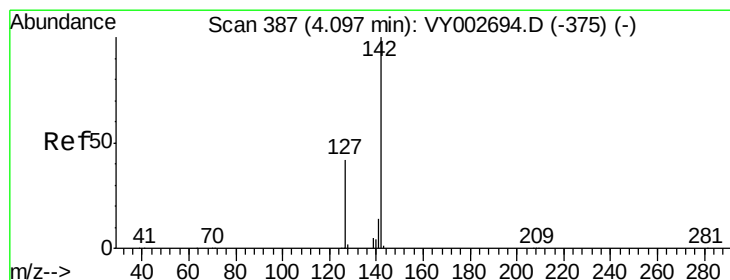
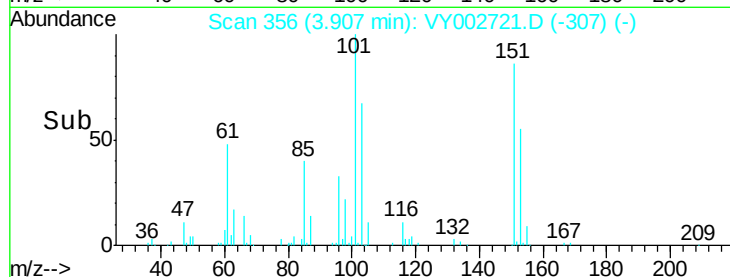
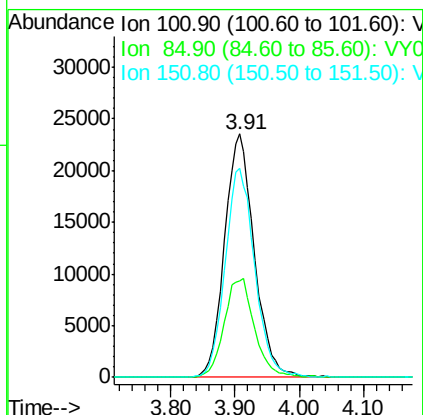
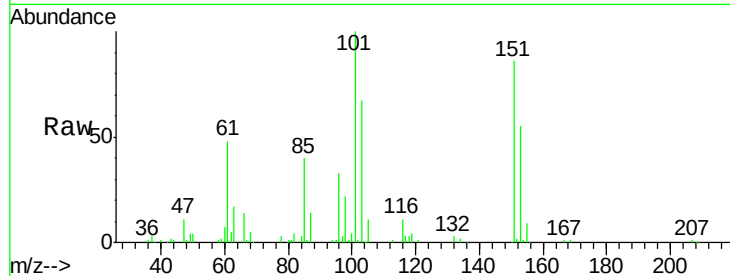
ClientSampleId :

VY0520SBS01

Tot Ion:	101	Resp:	76181
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.5	50.3
151	85.8	69.6	104.4

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#10

Methyl Iodide

Concen: 19.431 ug/l

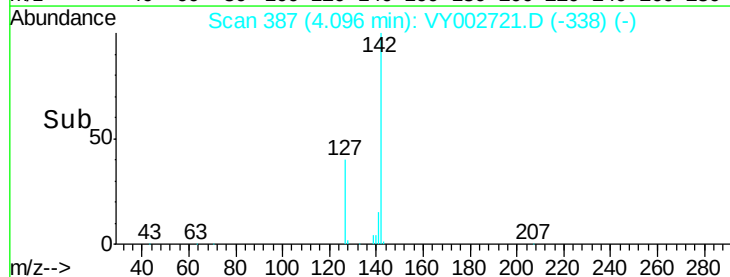
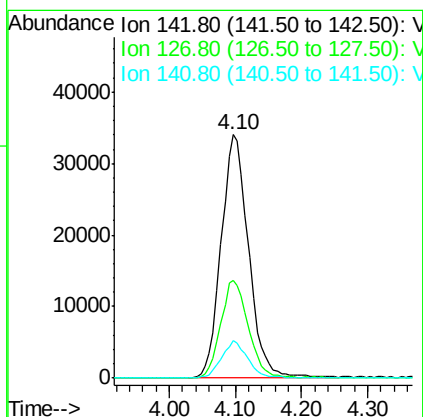
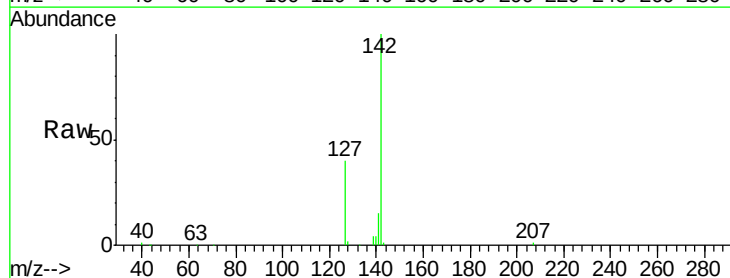
RT: 4.10 min Scan# 387

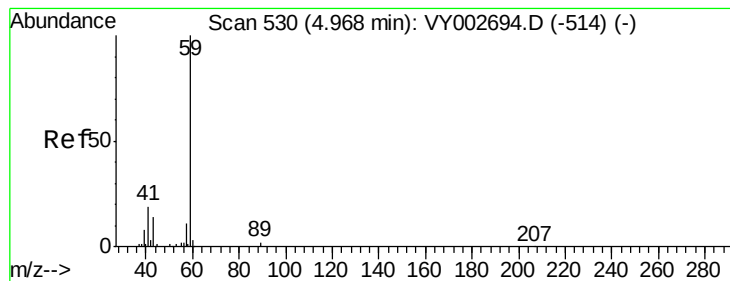
Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Tgt Ion:	142	Resp:	98241
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.8	49.2
141	14.4	11.3	16.9





#11

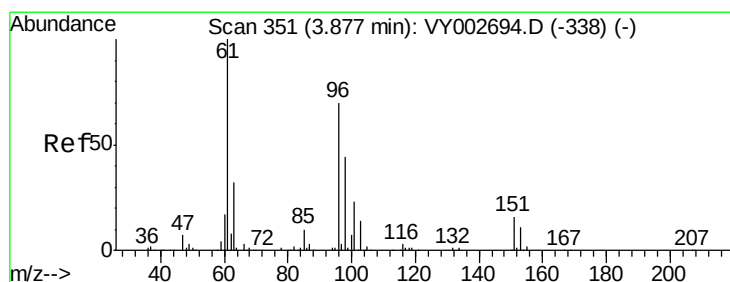
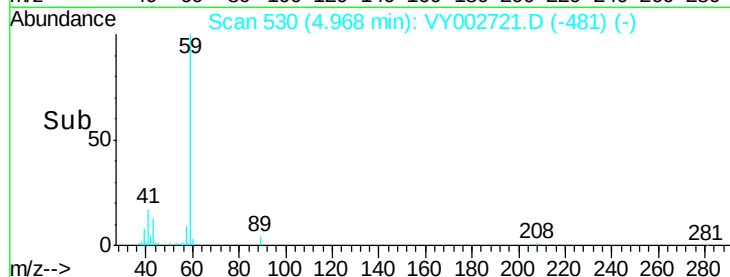
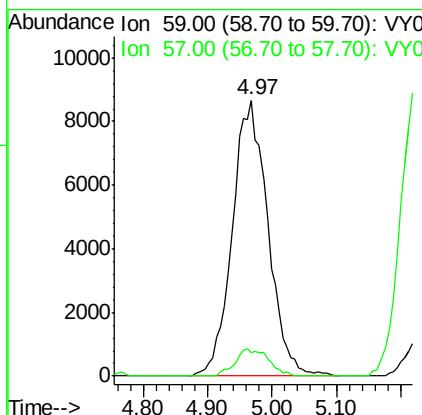
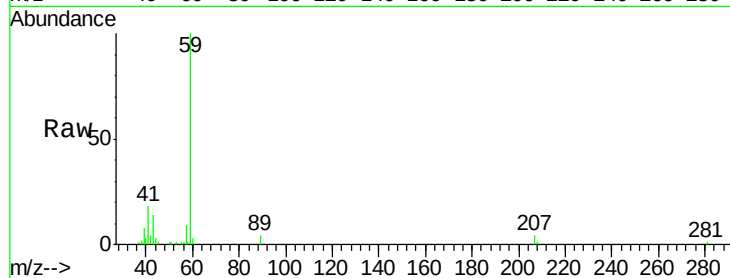
Tert butyl alcohol
 Concen: 99.290 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Tot Ion	59	Resp	33164
Ion Ratio	100	Lower	Upper
57	9.2	7.7	11.5

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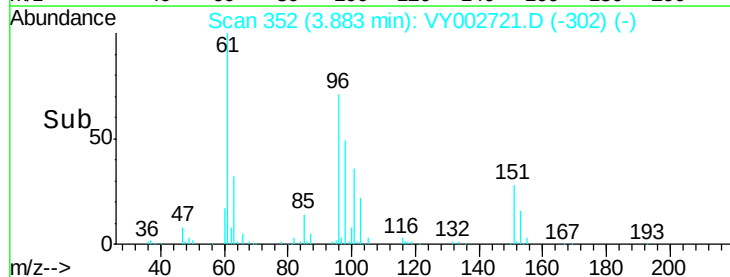
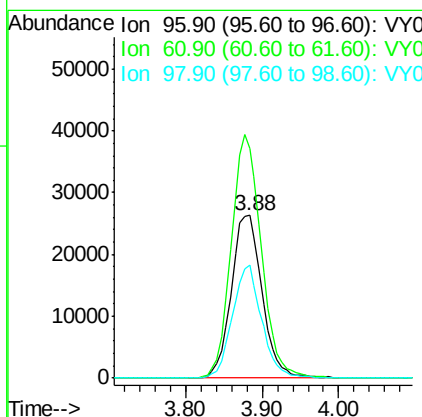
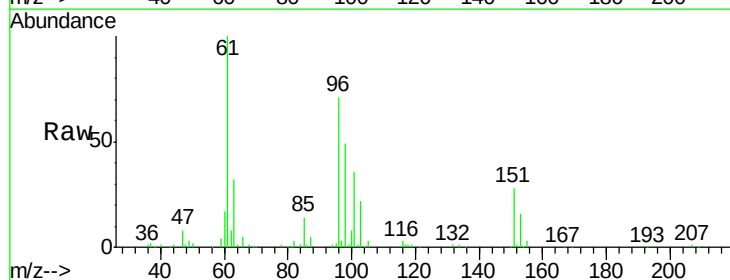
MMDadoda
 5/21/2020 1:14:36 PM

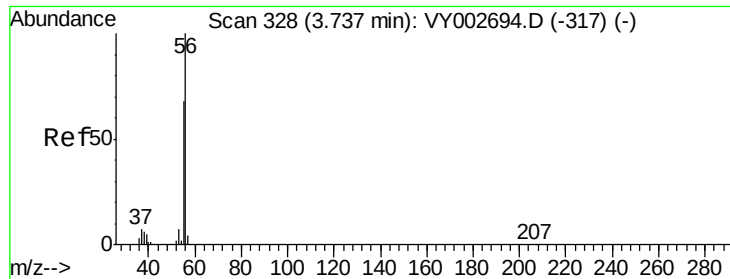


#12

1,1-Dichloroethene
 Concen: 19.972 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Tgt Ion	96	Resp	73660
Ion Ratio	100	Lower	Upper
61	141.2	113.8	170.8
98	69.6	50.4	75.6





#13

Acrolein

Concen: 90.499 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 56 Resp: 35454

Ion Ratio Lower Upper

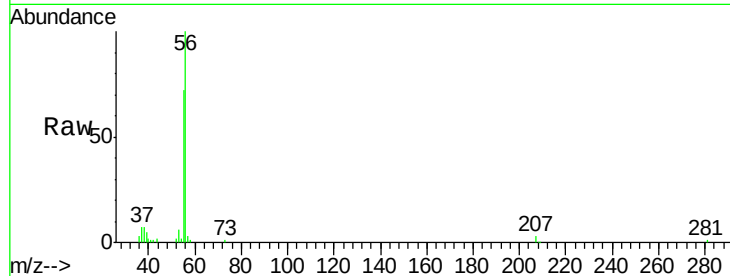
56 100

55 69.3 54.8 82.2

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

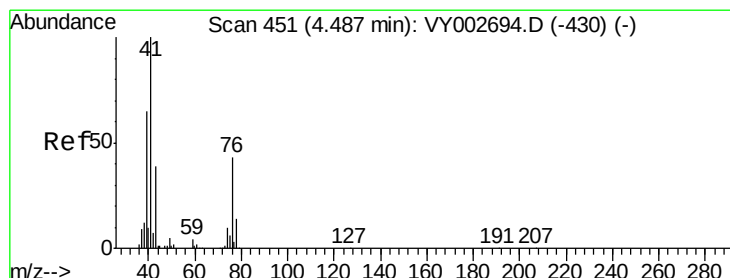
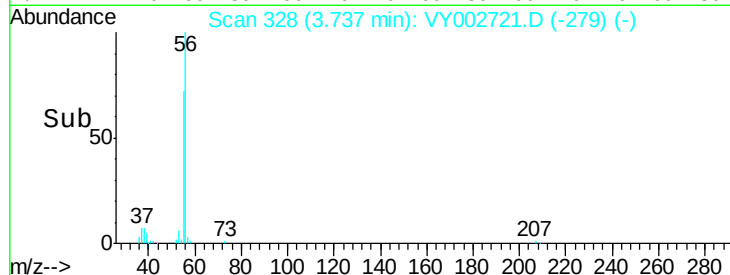
15000

10000

5000

0

Time--> 3.60 3.70 3.80 3.90



#14

Allyl chloride

Concen: 20.682 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

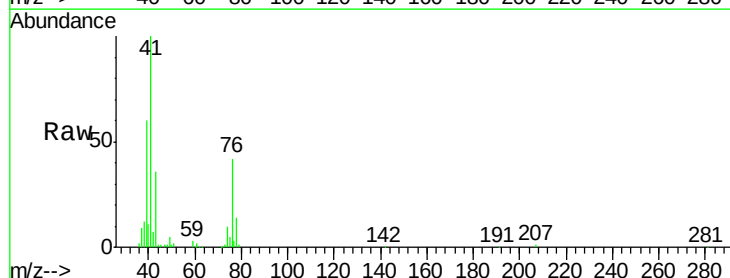
Tgt Ion: 41 Resp: 109508

Ion Ratio Lower Upper

41 100

39 61.0 50.3 75.5

76 40.2 33.2 49.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

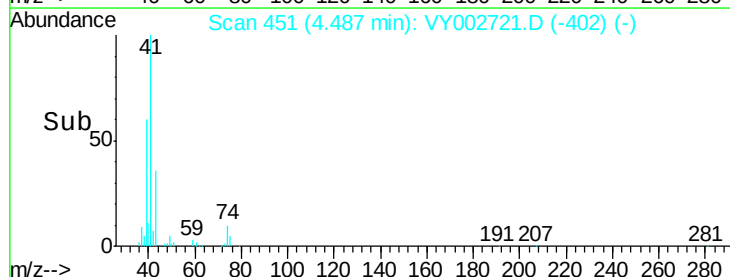
60000

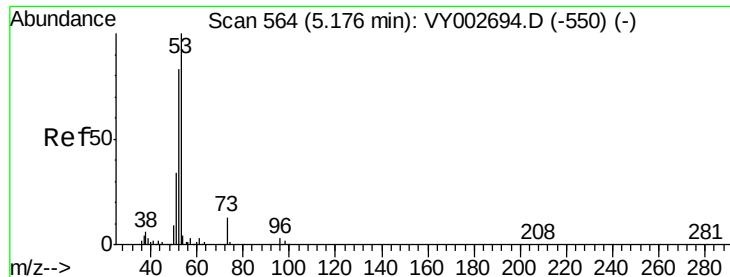
40000

20000

0

Time--> 4.40 4.49 4.60





#15

Acrylonitrile

Concen: 99.310 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

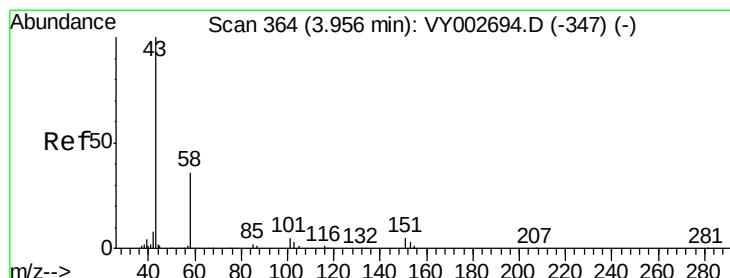
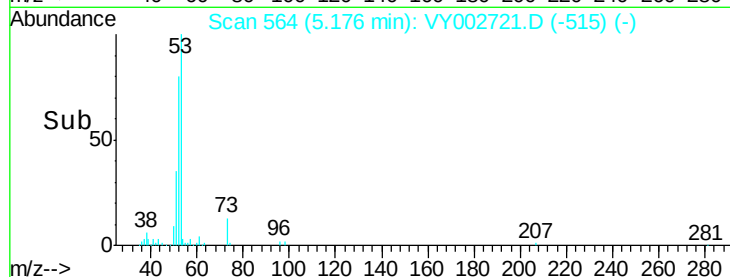
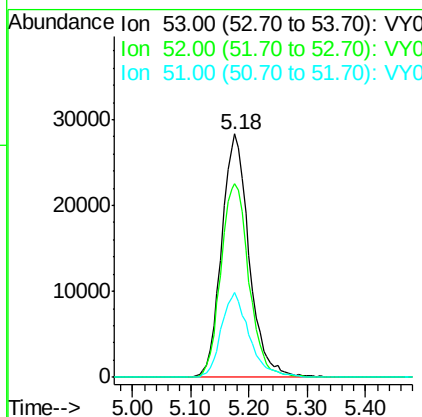
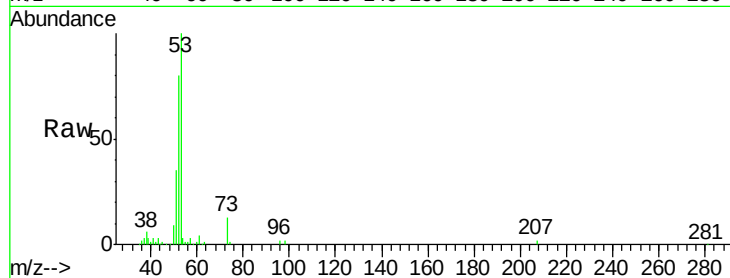
ClientSampleId :

VY0520SBS01

Tot Ion:	53	Resp:	92692
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.0	97.6
51	35.5	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 90.965 ug/l

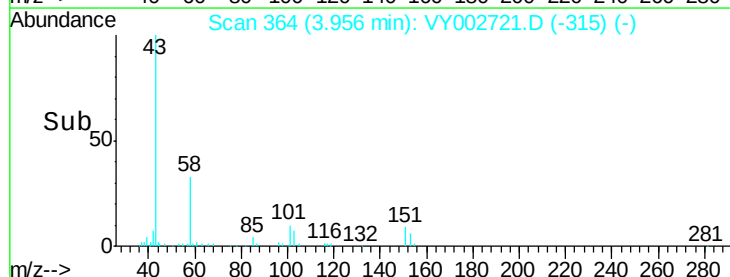
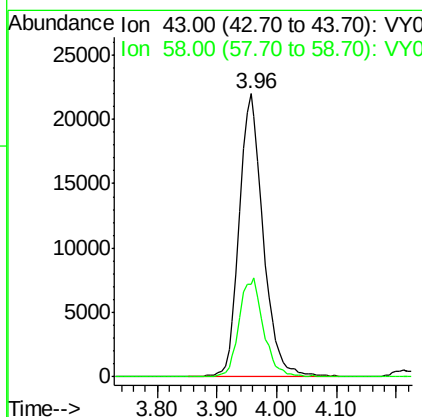
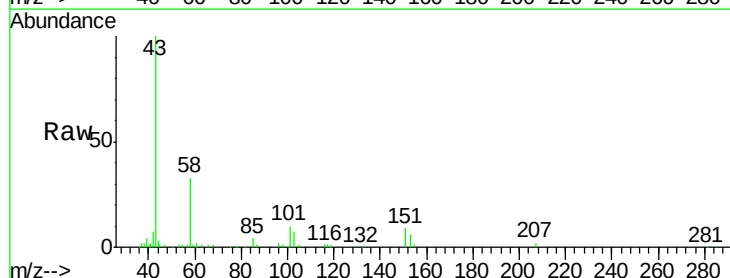
RT: 3.96 min Scan# 364

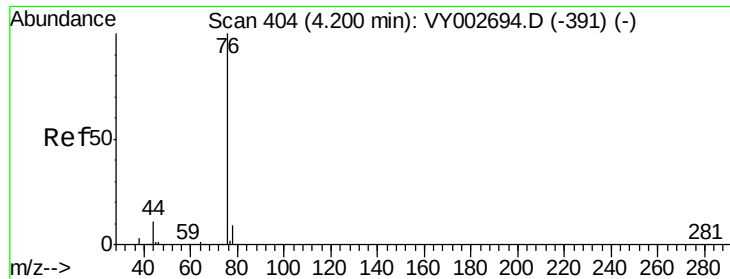
Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Tgt Ion:	43	Resp:	61674
Ion Ratio	Lower	Upper	
43	100		
58	32.8	28.6	43.0





#17

Carbon Disulfide

Concen: 19.838 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 76 Resp: 229499

Ion Ratio Lower Upper

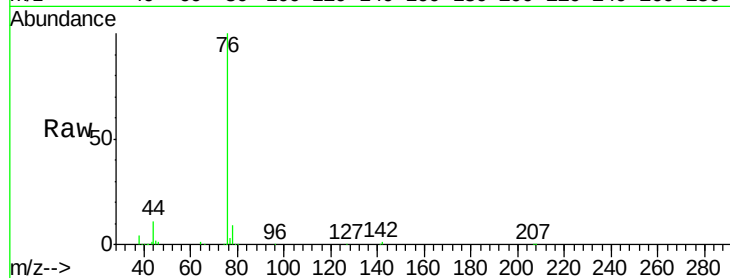
76 100

78 9.5 7.1 10.7

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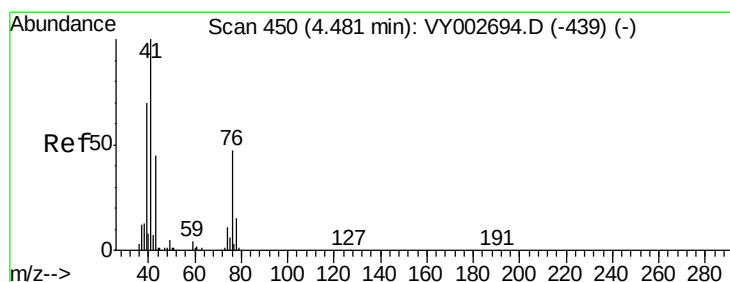
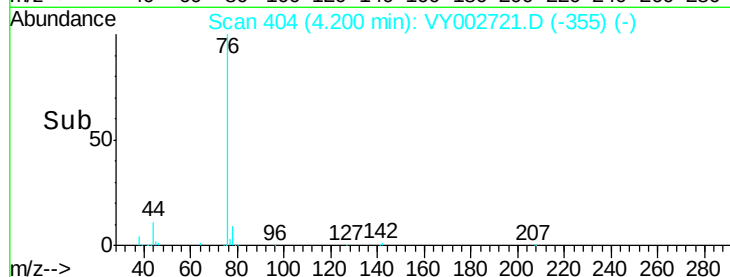
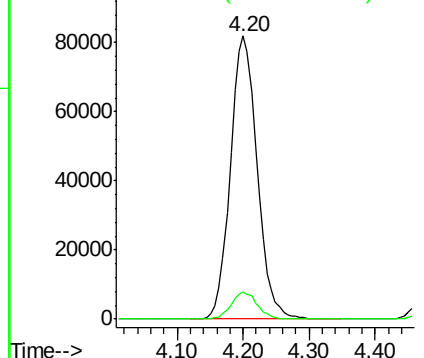
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 20.407 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002721.D

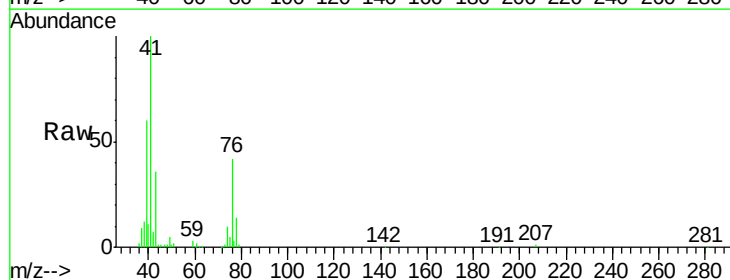
Acq: 20 May 2020 11:16

Tgt Ion: 43 Resp: 39450

Ion Ratio Lower Upper

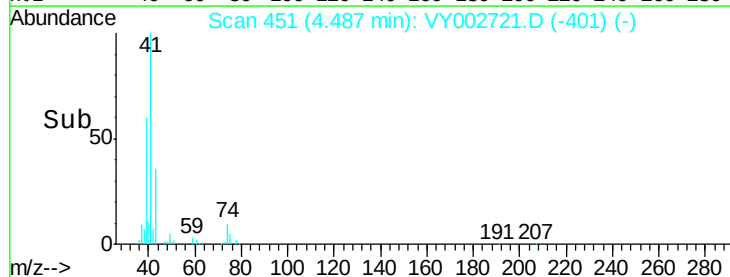
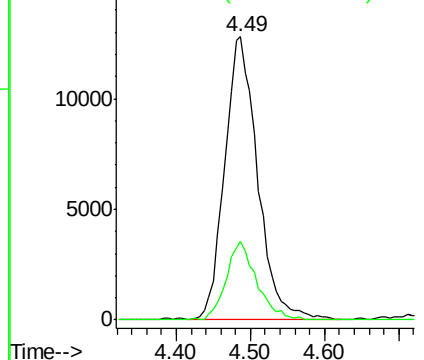
43 100

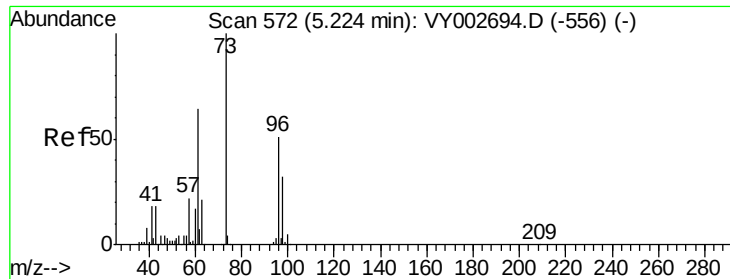
74 25.6 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





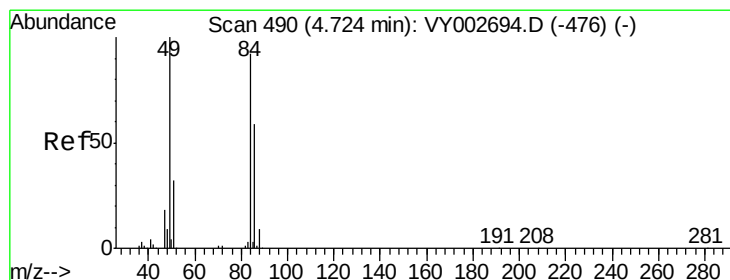
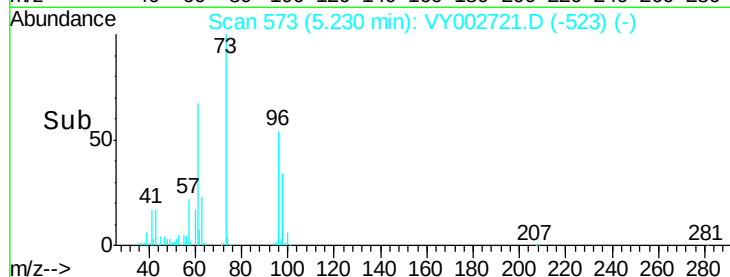
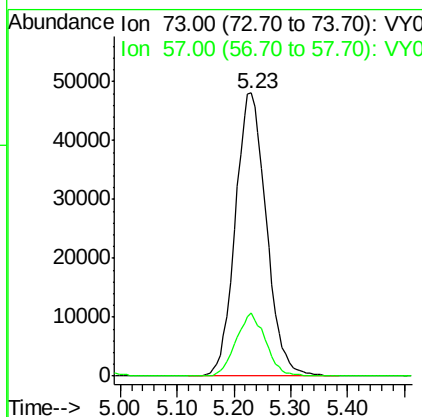
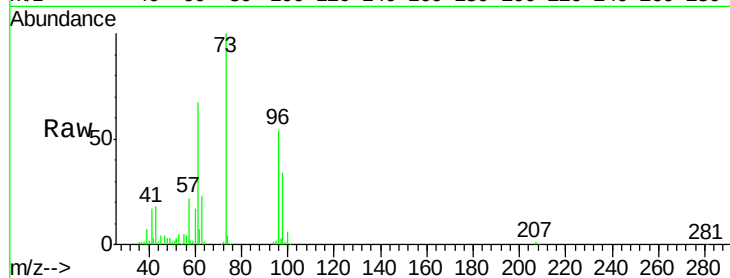
#19
Methyl tert-butyl Ether
Concen: 19.948 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.3	25.9

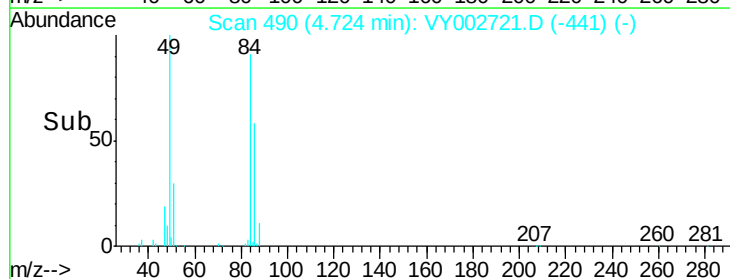
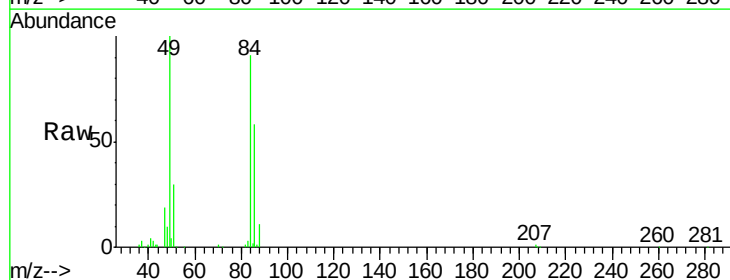
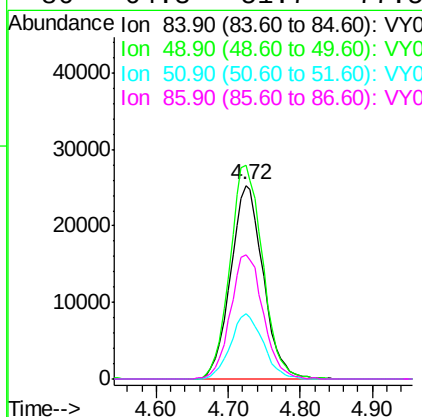
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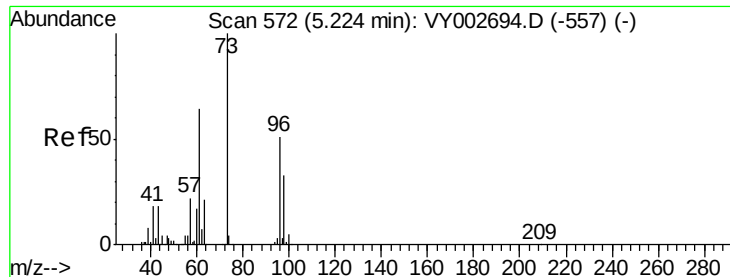
MMDadoda
5/21/2020 1:14:36 PM



#20
Methylene Chloride
Concen: 19.390 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.3	87.4	131.0
51	33.4	27.9	41.9
86	64.3	51.7	77.5





#21

trans-1,2-Dichloroethene

Concen: 20.059 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

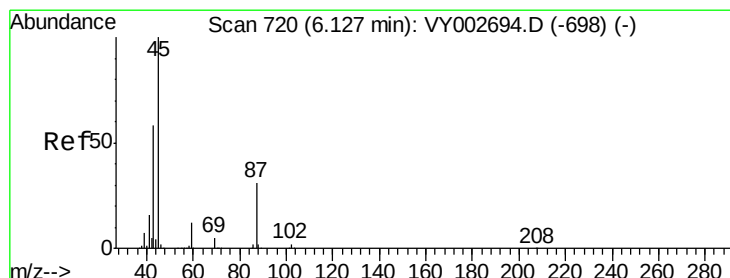
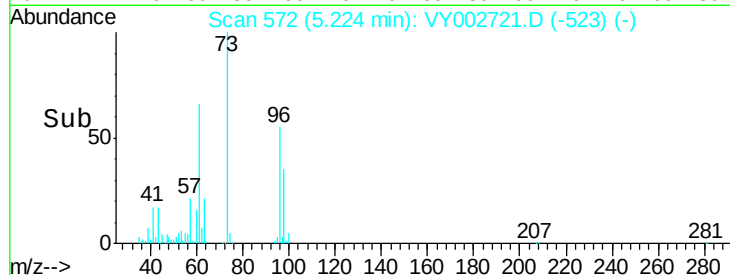
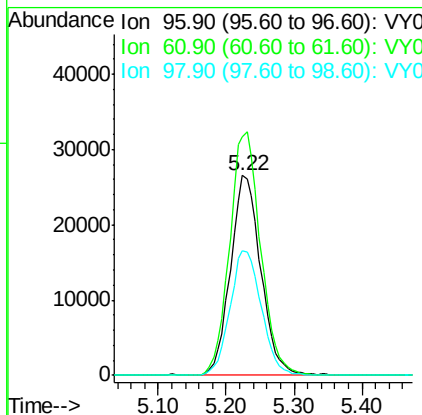
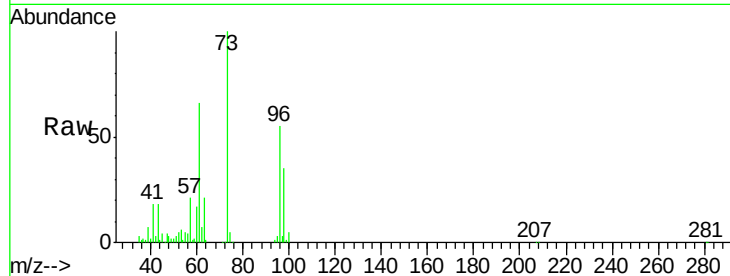
ClientSampleId :

VY0520SBS01

Tot Ion:	96	Resp:	82263
Ion	Ratio	Lower	Upper
96	100		
61	119.4	99.6	149.4
98	62.5	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.643 ug/l

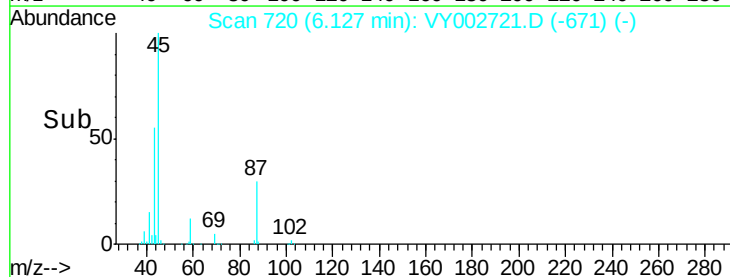
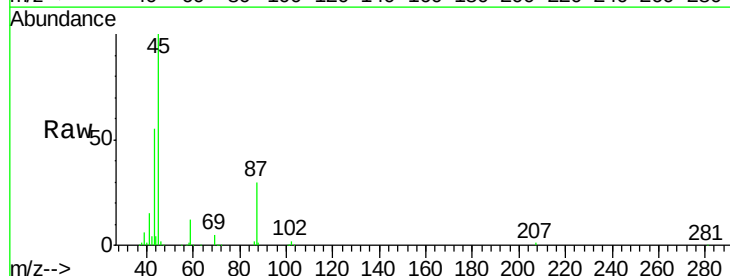
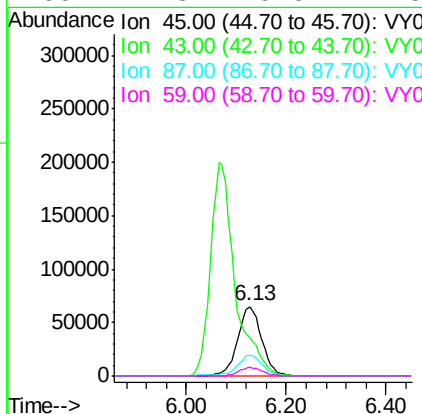
RT: 6.13 min Scan# 720

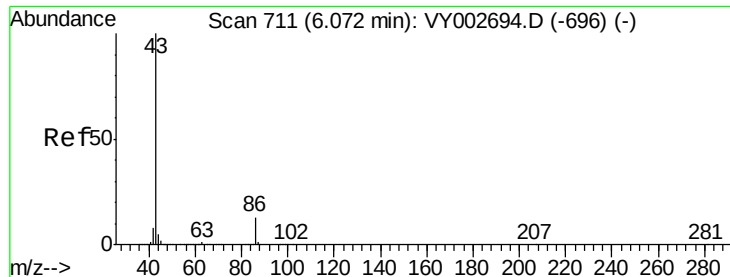
Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Tgt Ion:	45	Resp:	216851
Ion	Ratio	Lower	Upper
45	100		
43	54.6	46.1	69.1
87	29.5	24.9	37.3
59	12.3	9.8	14.8





#23

Vinyl Acetate

Concen: 101.120 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 43 Resp: 680184

Ion Ratio Lower Upper

43 100

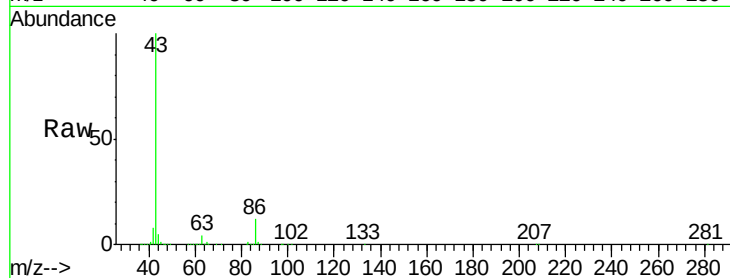
86 12.2 10.1 15.1

Manual Integrations

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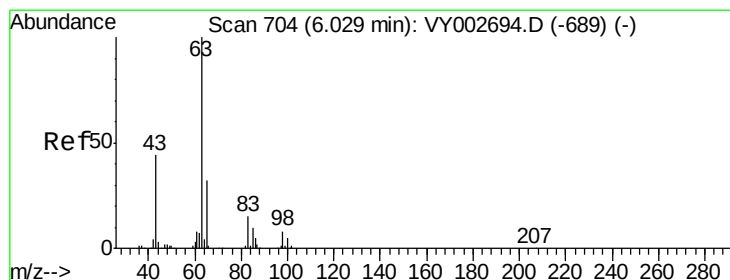
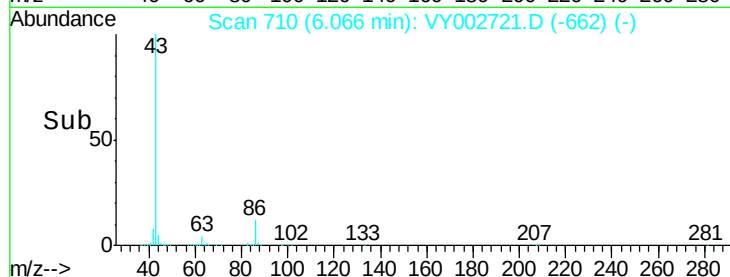
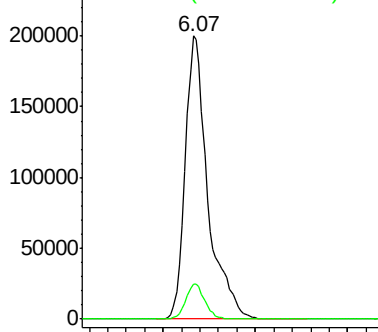
MMDadoda

5/21/2020 1:14:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.334 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

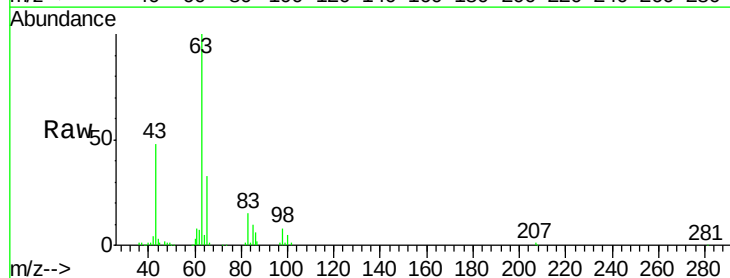
Tgt Ion: 63 Resp: 127641

Ion Ratio Lower Upper

63 100

98 8.2 4.0 11.9

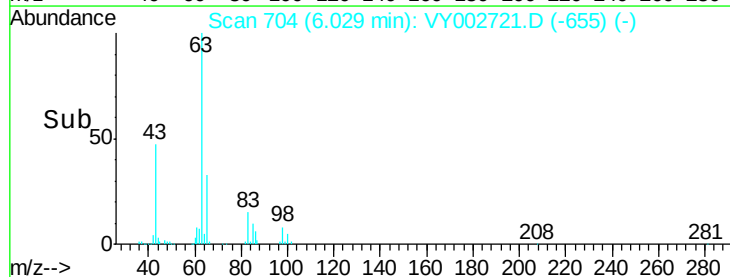
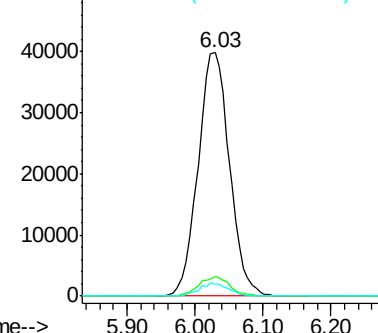
100 5.0 2.5 7.6

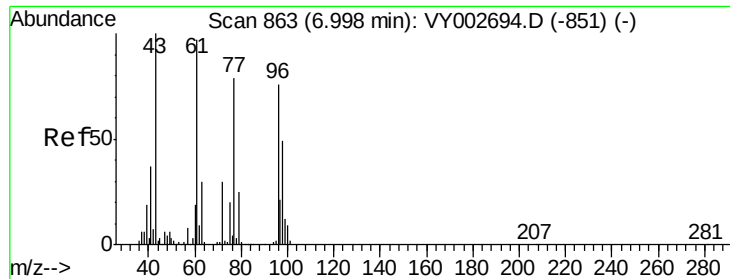


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 97.259 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 43 Resp: 109103

Ion Ratio Lower Upper

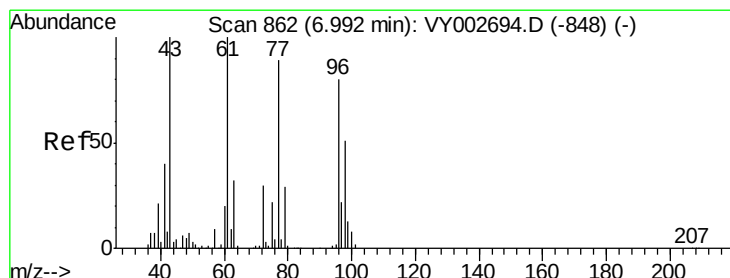
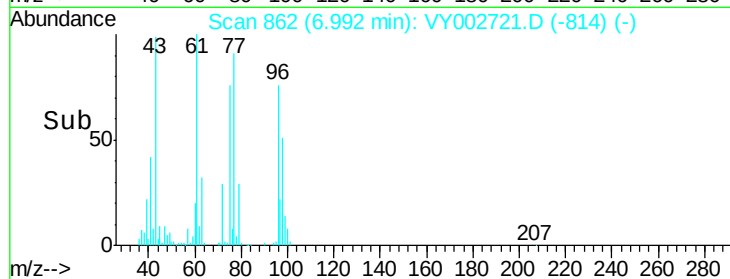
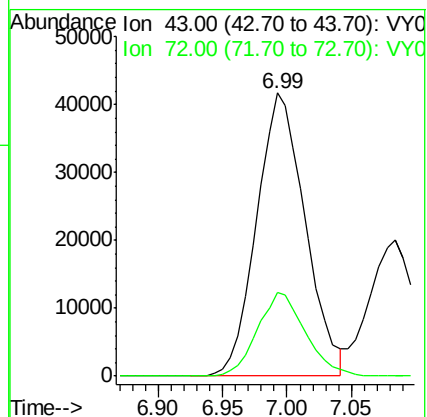
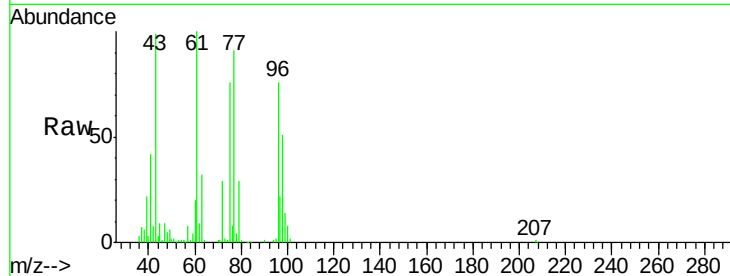
43 100

72 29.6 24.1 36.1

Manual Integrations
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5/21/2020 1:14:36 PM



#26

2,2-Dichloropropane

Concen: 20.440 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002721.D

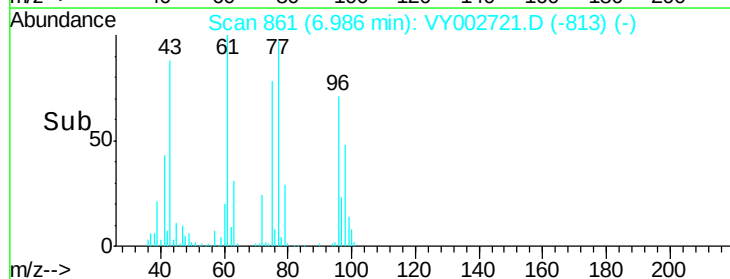
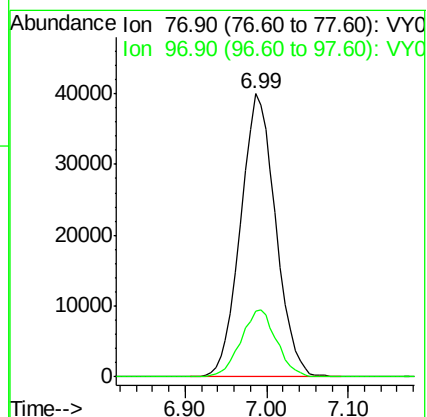
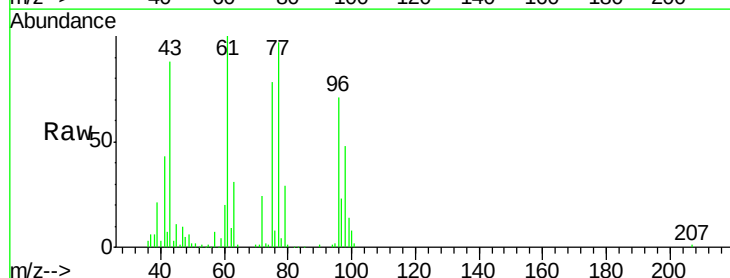
Acq: 20 May 2020 11:16

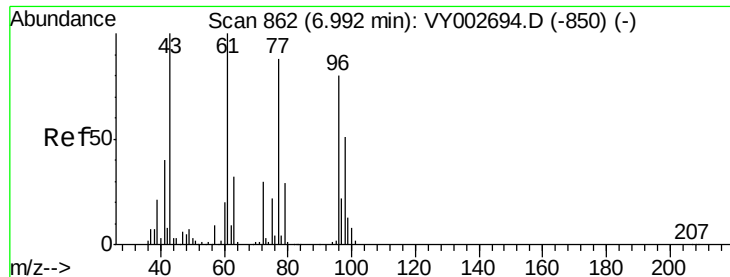
Tgt Ion: 77 Resp: 119379

Ion Ratio Lower Upper

77 100

97 23.9 12.3 36.9





#27

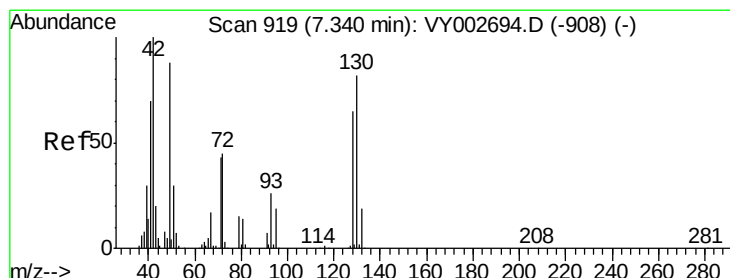
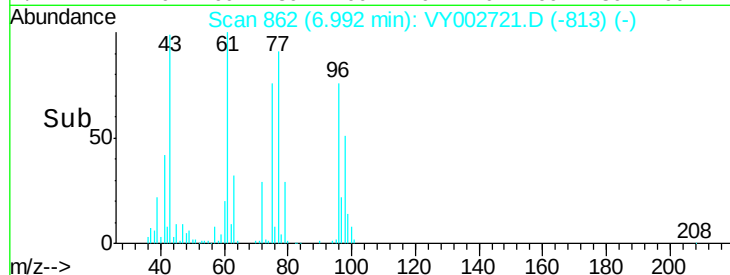
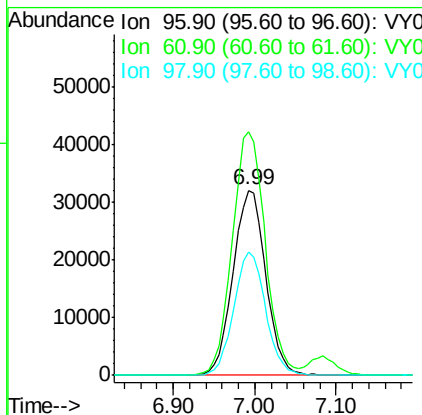
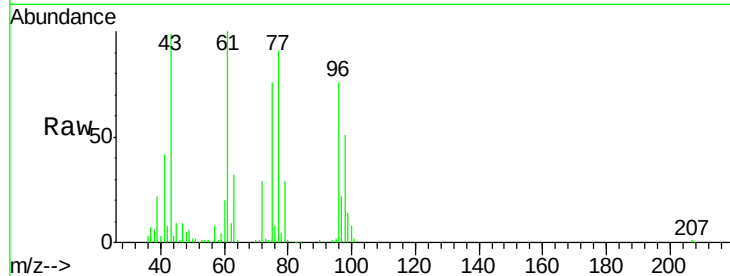
cis-1,2-Dichloroethene
Concen: 20.034 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.5	0.0	258.0	
98	64.6	0.0	128.4	

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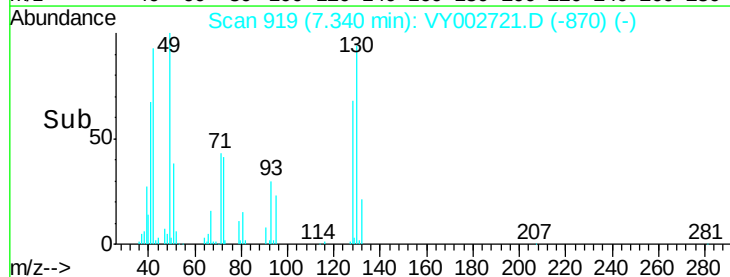
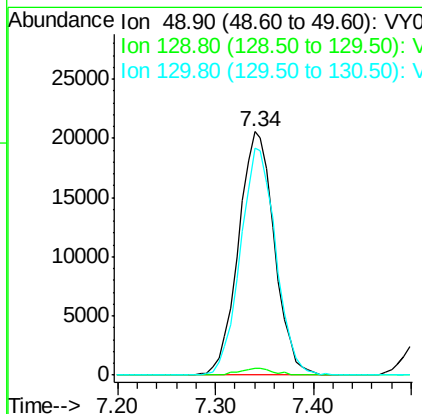
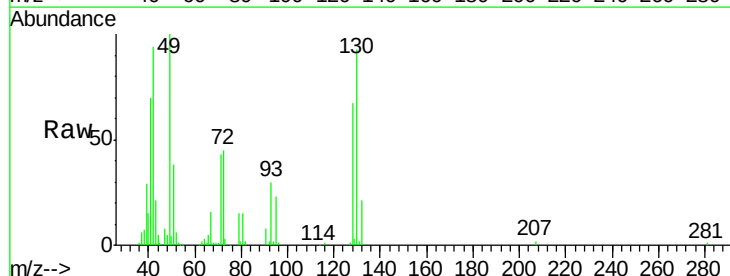
MMDadoda
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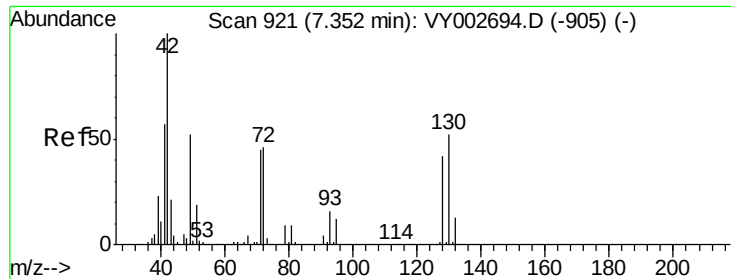


#28

Bromochloromethane
Concen: 21.023 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	4.6	
130	92.1	75.3	112.9	





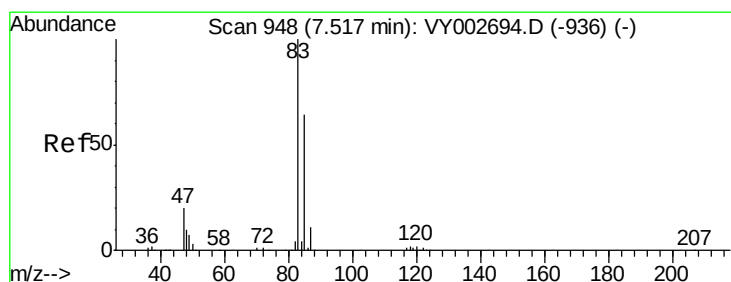
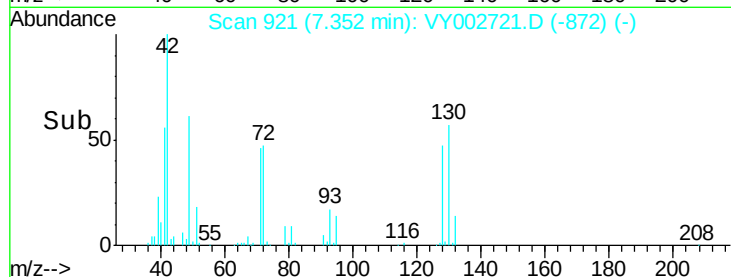
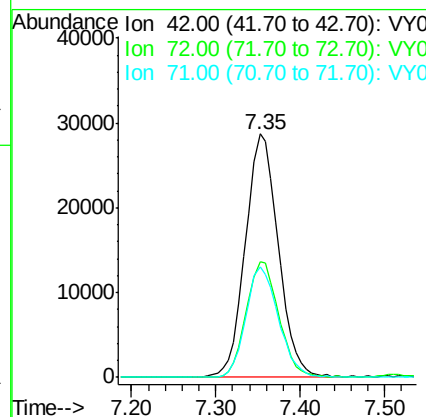
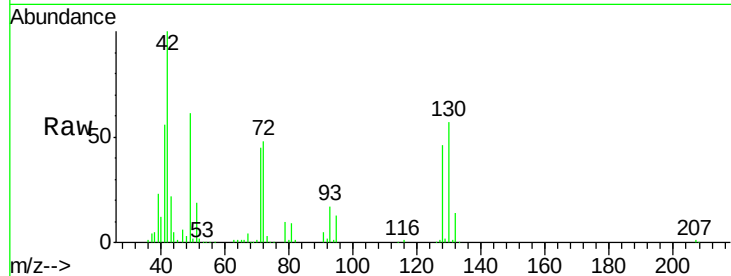
#29
Tetrahydrofuran
Concen: 99.562 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ion	Ratio	Lower	Upper
42	100			
72	46.9	38.2	57.2	
71	44.6	35.8	53.8	

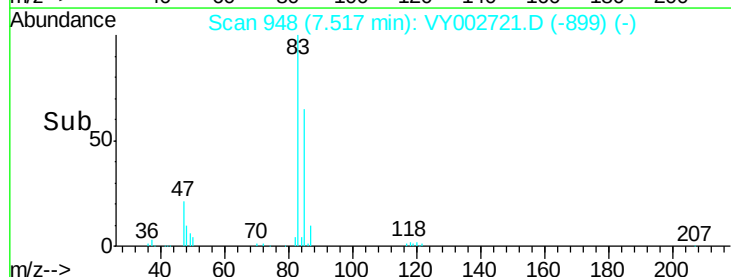
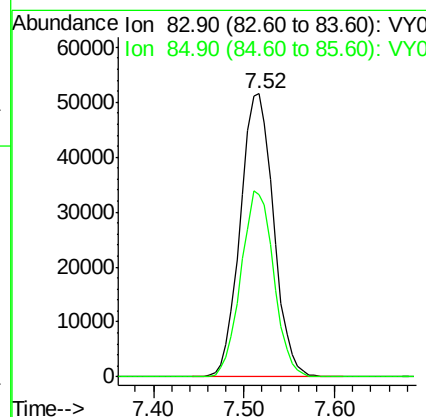
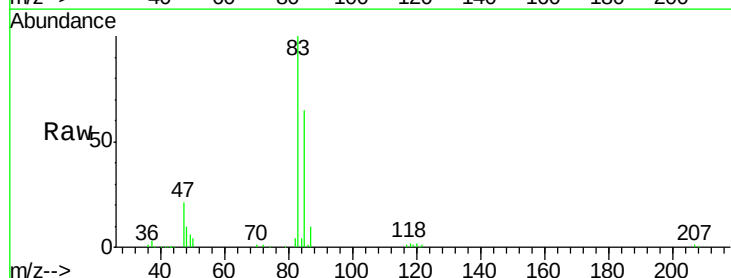
Manual Integrations
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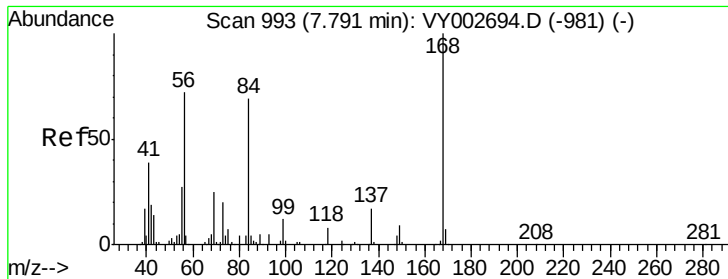
MMDadoda
5/21/2020 1:14:36 PM



#30
Chloroform
Concen: 20.140 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	64.6	51.5	77.3	





#31

Cyclohexane

Concen: 20.186 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

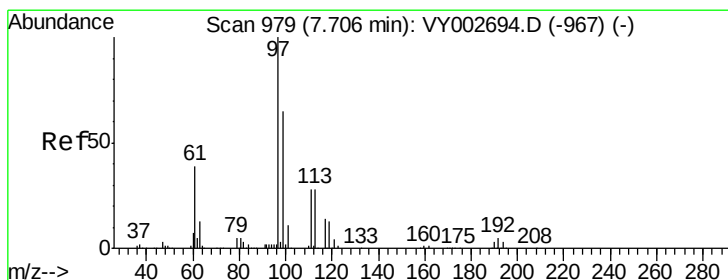
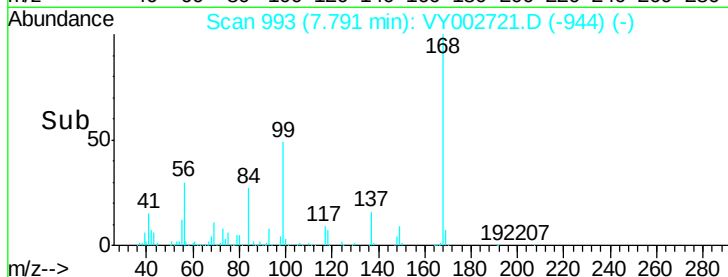
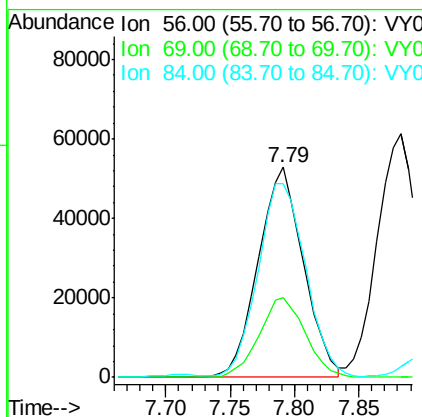
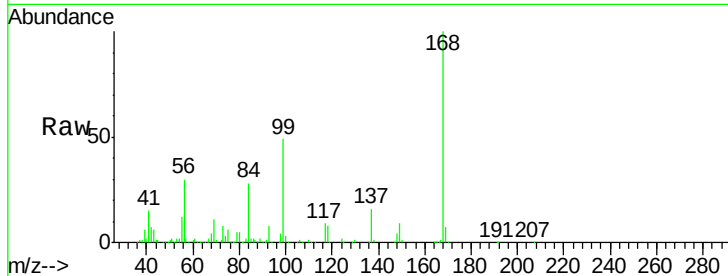
ClientSampleId :

VY0520SBS01

Tot Ion	56	Resp	128516
Ion Ratio	Lower	Upper	
56	100		
69	37.9	27.7	41.5
84	91.3	77.0	115.4

Manual Integrations
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5/21/2020 1:14:36 PM



#32

1,1,1-Trichloroethane

Concen: 20.061 ug/l

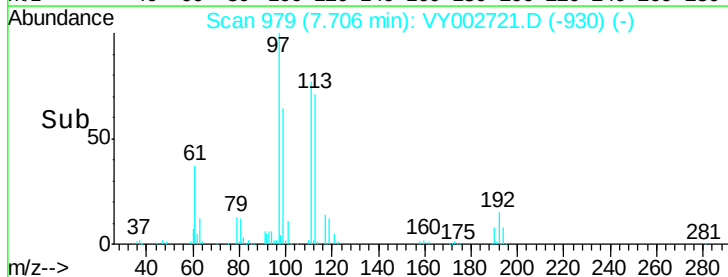
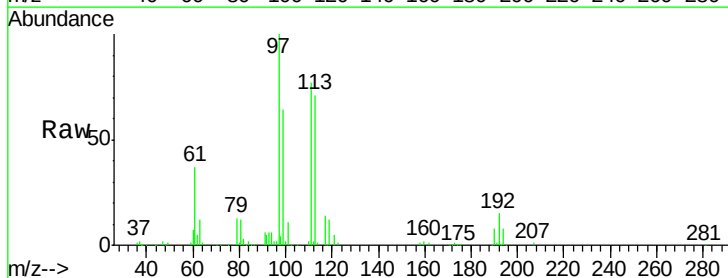
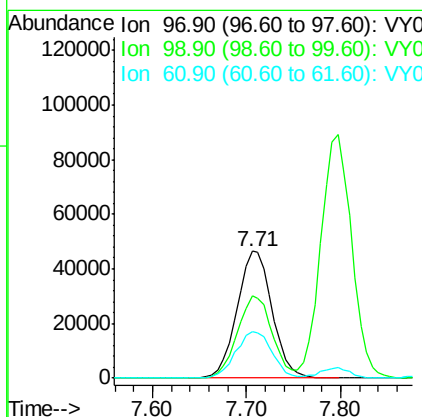
RT: 7.71 min Scan# 979

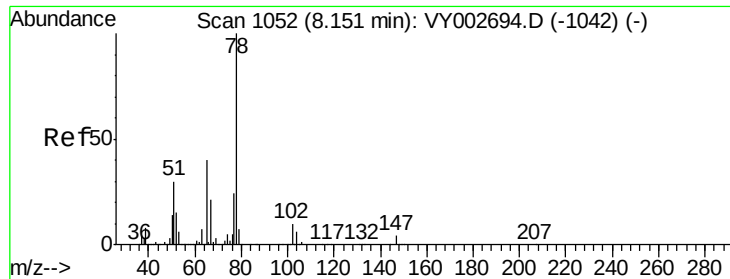
Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Tgt Ion	97	Resp	120761
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.6	77.4
61	37.9	30.6	45.8





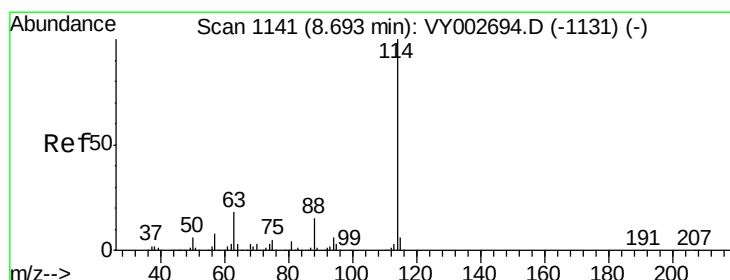
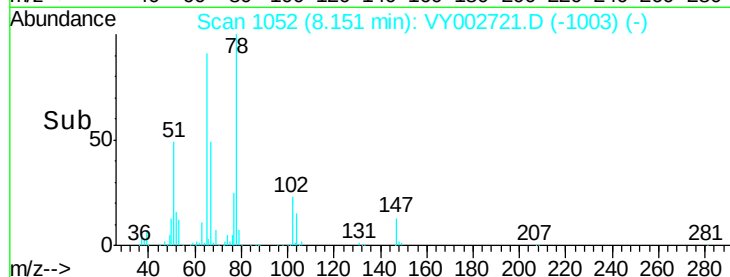
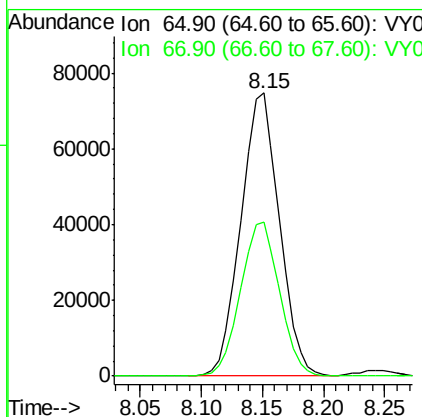
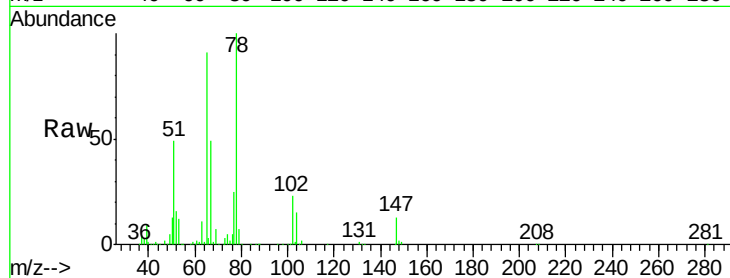
#33
 1,2-Dichloroethane-d4
 Concen: 49.840 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163922		
67	55.0	0.0	109.0	

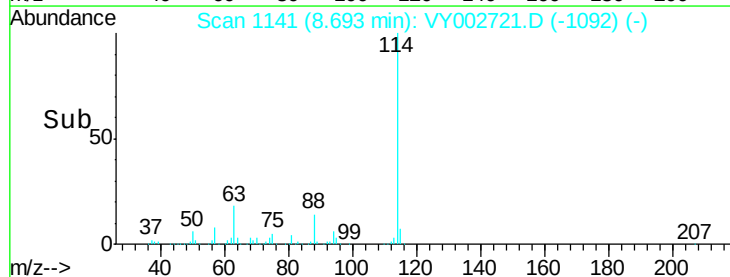
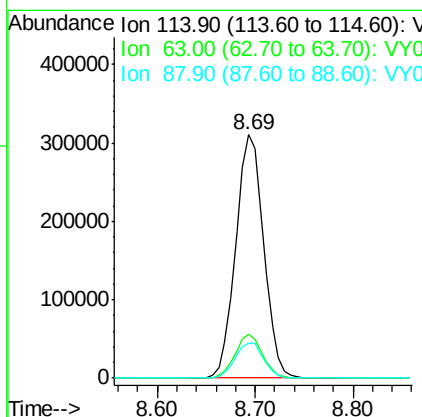
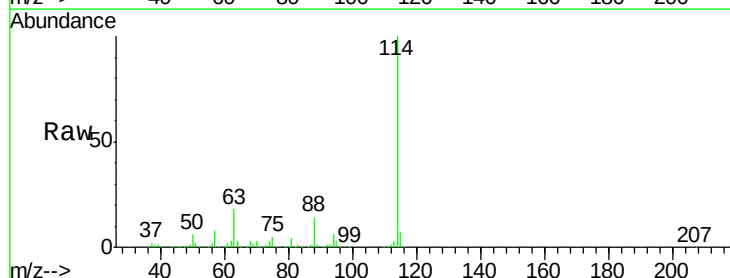
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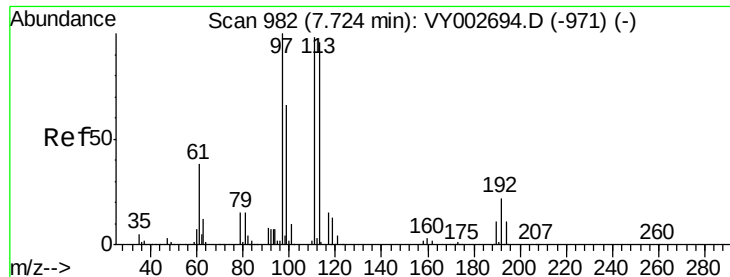
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	615474		
63	18.1	0.0	35.4	
88	14.2	0.0	29.4	





#35

Dibromofluoromethane

Concen: 52.351 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

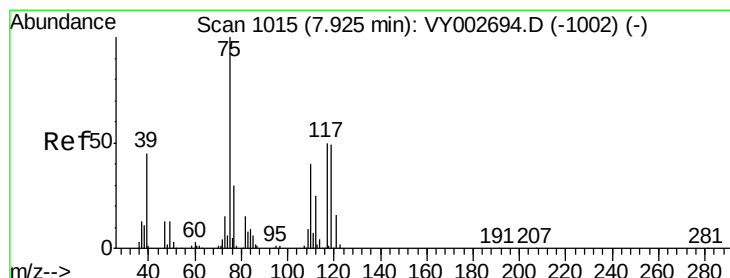
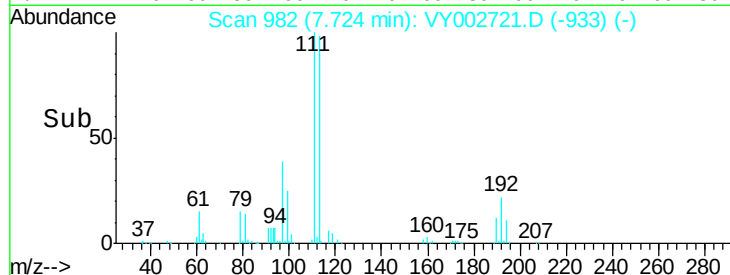
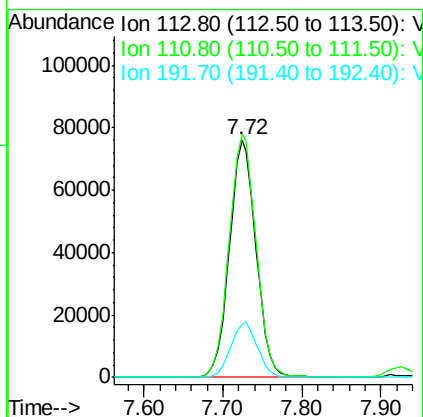
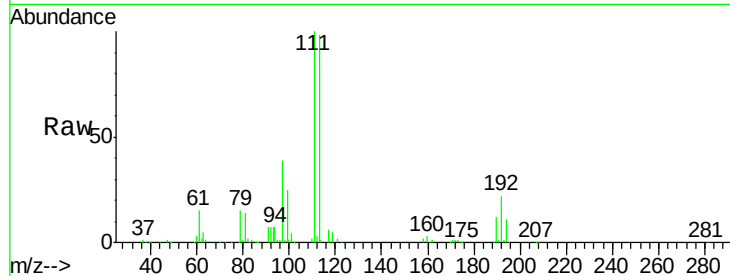
ClientSampleId :

VY0520SBS01

Tot Ion:	113	Resp:	177820
Ion Ratio	Lower	Upper	
113	100		
111	104.2	81.9	122.9
192	23.2	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.605 ug/l

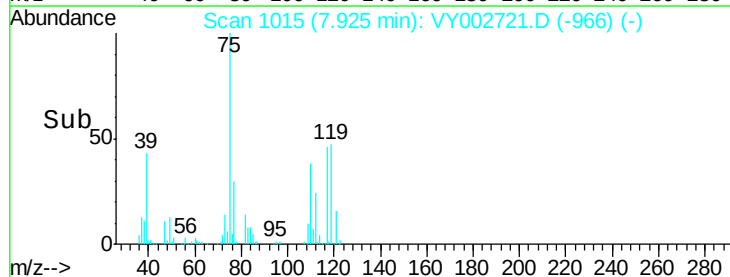
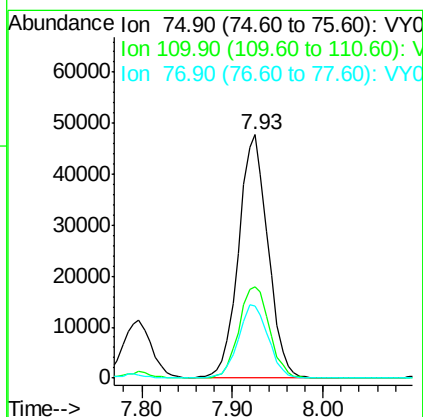
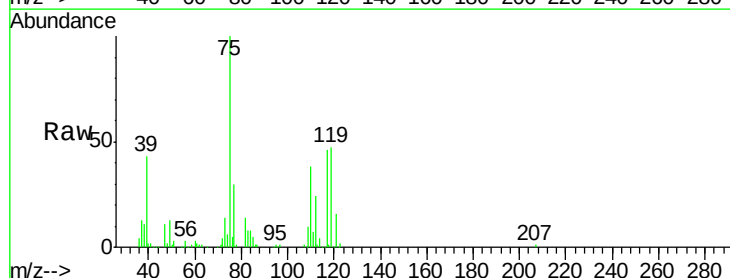
RT: 7.93 min Scan# 1015

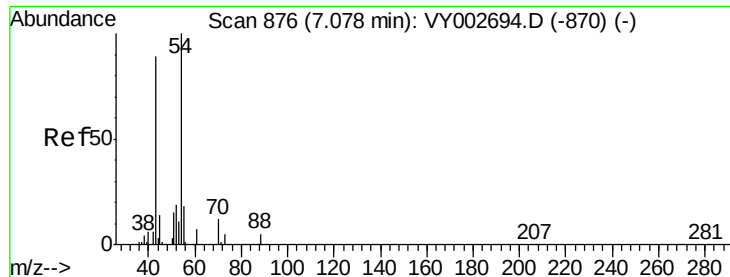
Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Tgt Ion:	75	Resp:	107360
Ion Ratio	Lower	Upper	
75	100		
110	38.9	19.4	58.4
77	30.6	25.0	37.4





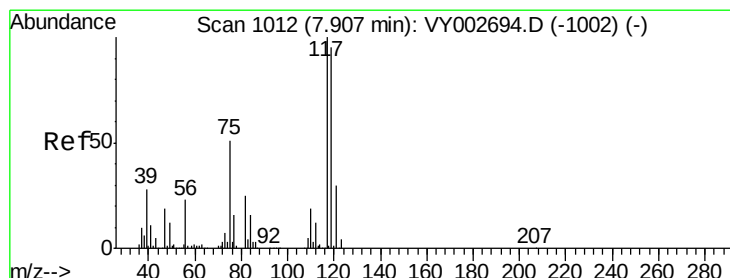
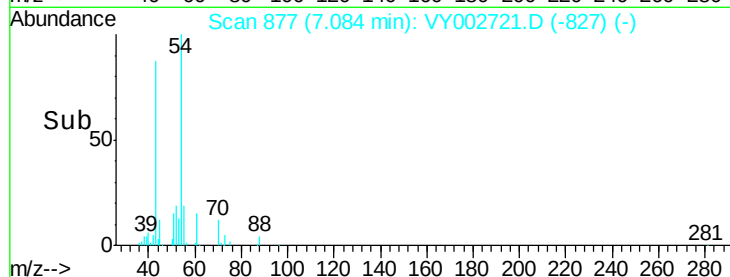
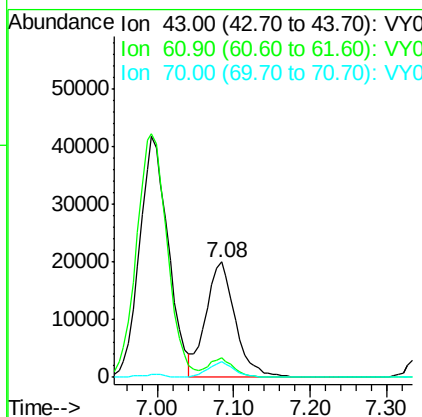
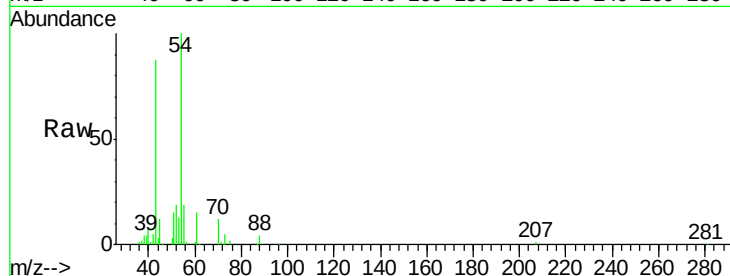
#37
Ethyl Acetate
Concen: 20.796 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.8	17.8
70	11.6	9.2	13.8

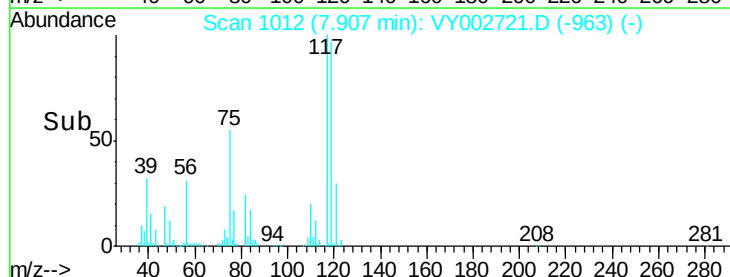
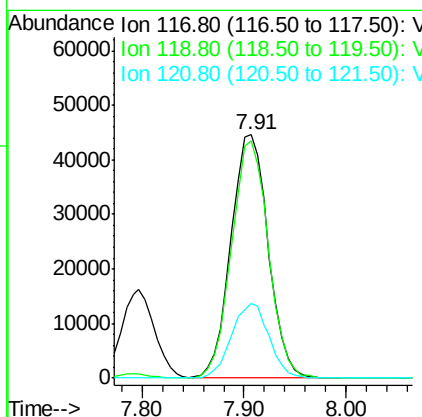
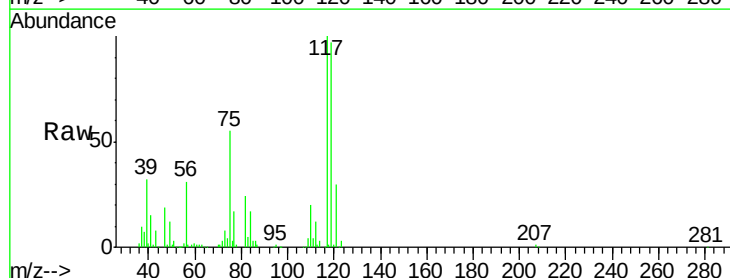
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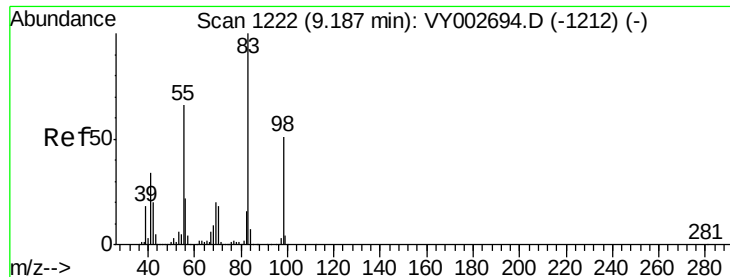
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#38
Carbon Tetrachloride
Concen: 20.169 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.3	114.5
121	30.5	24.2	36.2





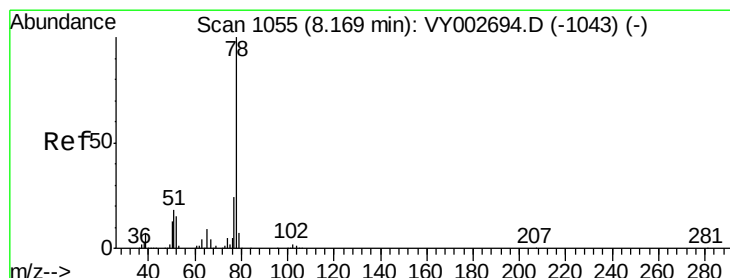
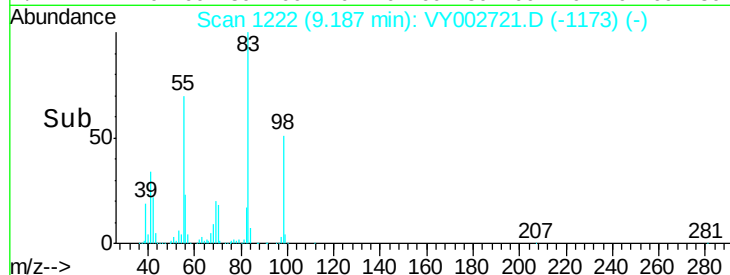
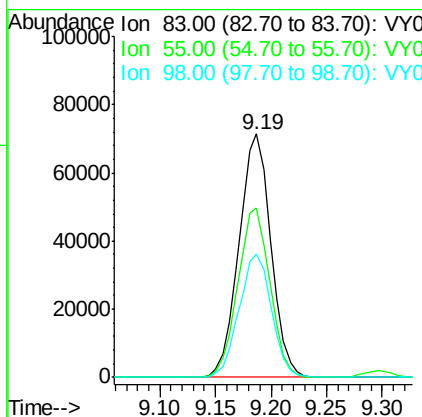
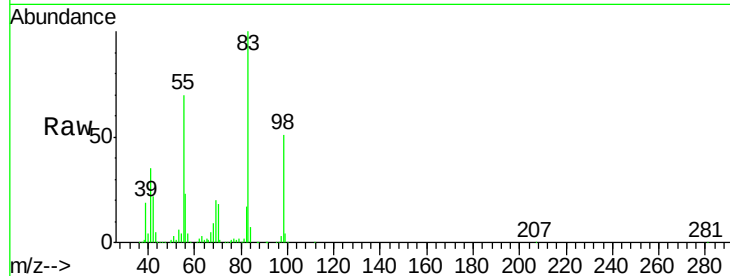
#39
Methylvlcyclohexane
Concen: 20.268 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	83	Resp	141996
Ion Ratio	100	Lower	Upper
83	100		
55	69.6	53.0	79.6
98	50.9	40.8	61.2

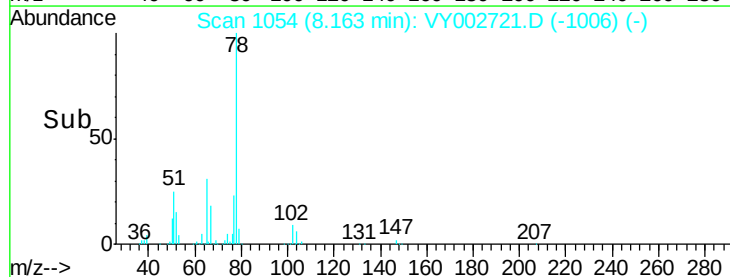
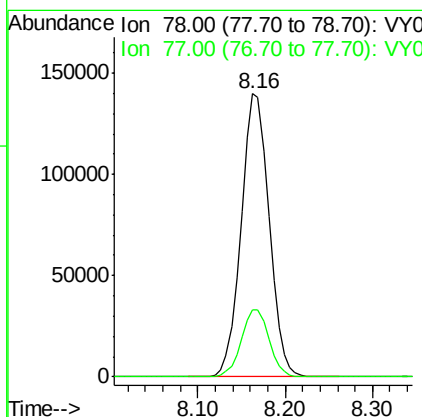
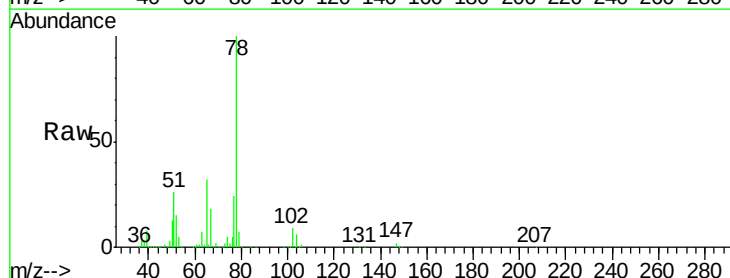
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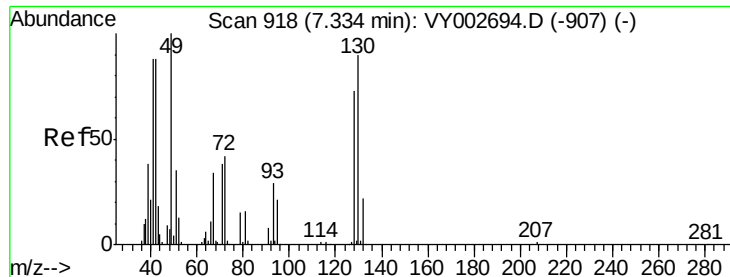
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#40
Benzene
Concen: 20.442 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	78	Resp	310771
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41

Methacrylonitrile

Concen: 16.591 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. -0.01 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 41 Resp: 25544

Ion Ratio Lower Upper

41 100

39 68.2 0.0 0.0#

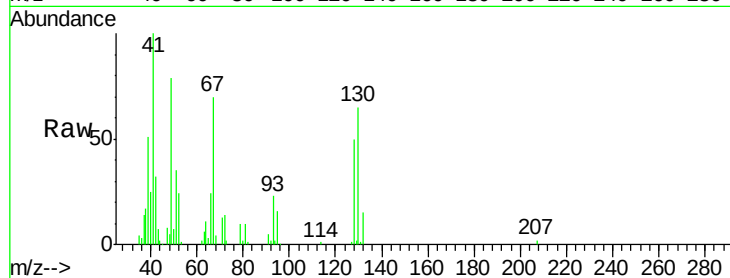
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda

5/21/2020 1:14:36 PM

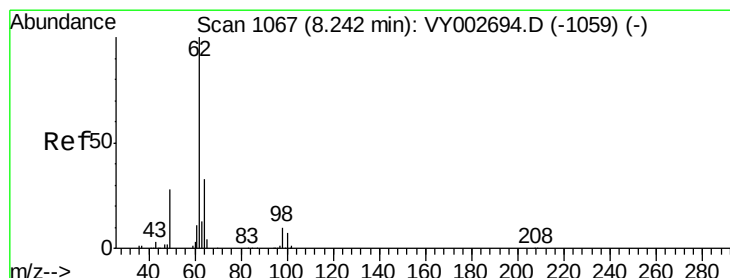
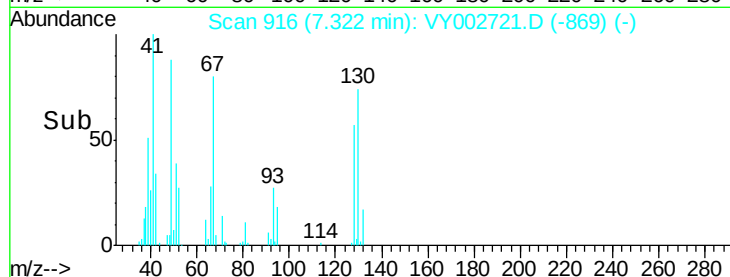
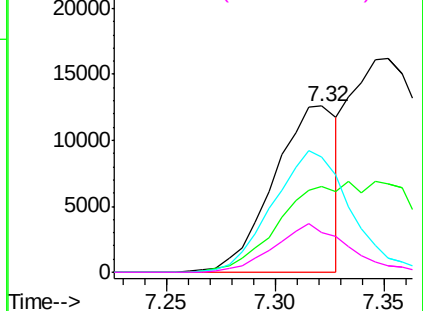


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 19.932 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY002721.D

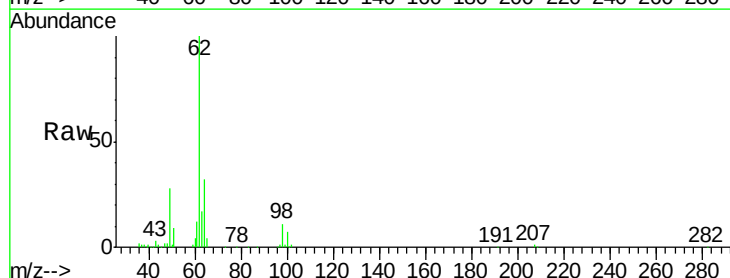
Acq: 20 May 2020 11:16

Tgt Ion: 62 Resp: 79919

Ion Ratio Lower Upper

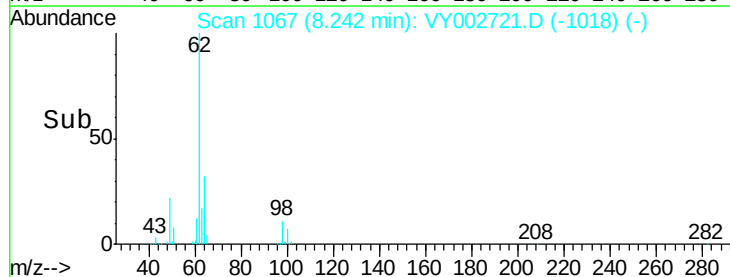
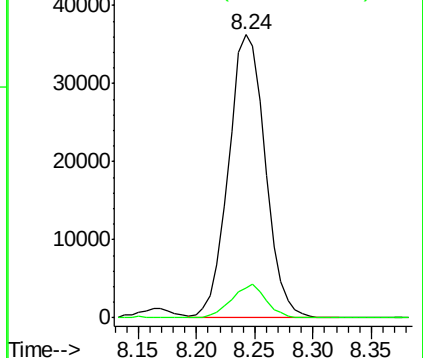
62 100

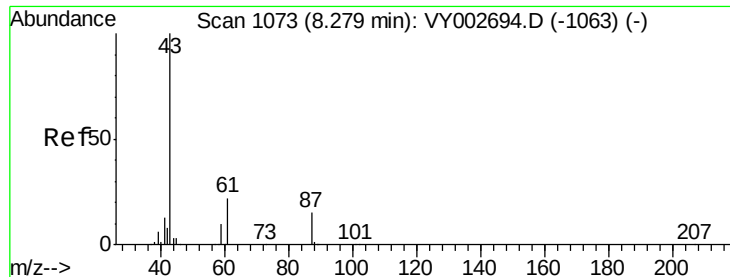
98 11.2 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 20.222 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

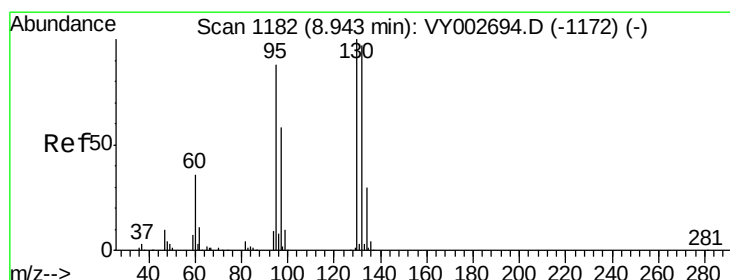
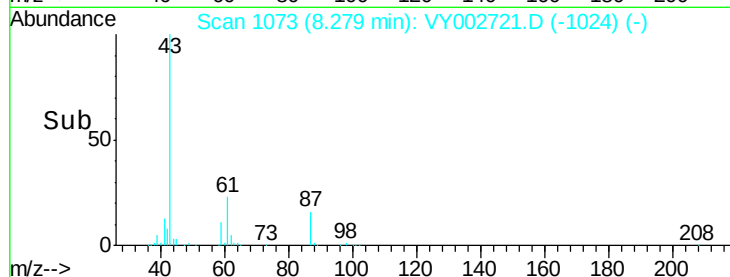
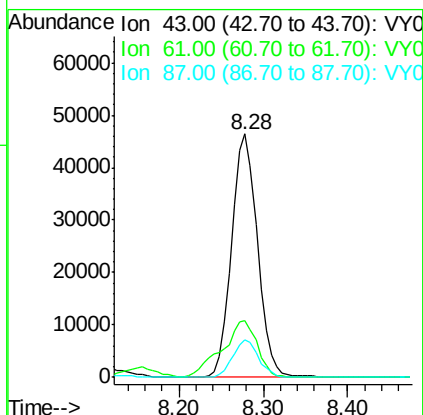
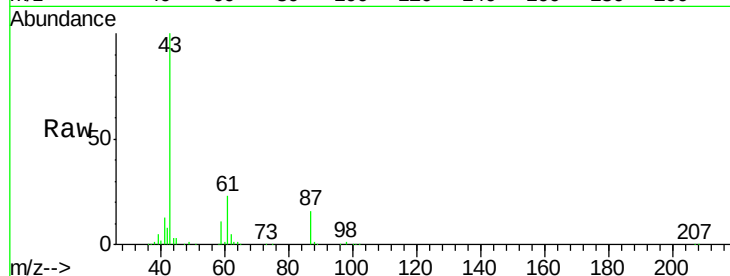
ClientSampleId :

VY0520SBS01

Tot Ion	43	Resp	96308
Ion	Ratio	Lower	Upper
43	100		
61	32.1	24.9	37.3
87	15.2	12.6	19.0

Manual Integrations
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5/21/2020 1:14:36 PM



#44

Trichloroethene

Concen: 20.374 ug/l

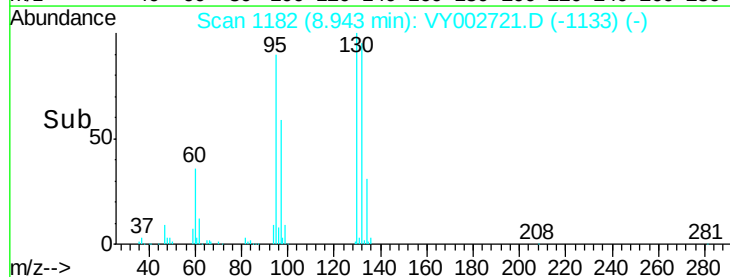
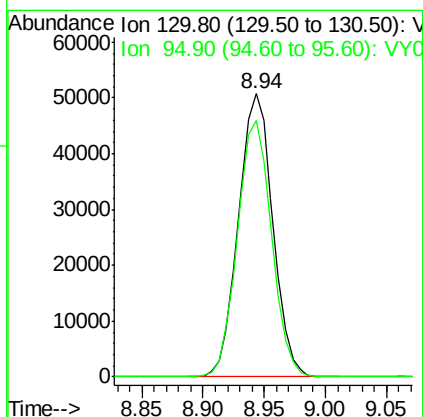
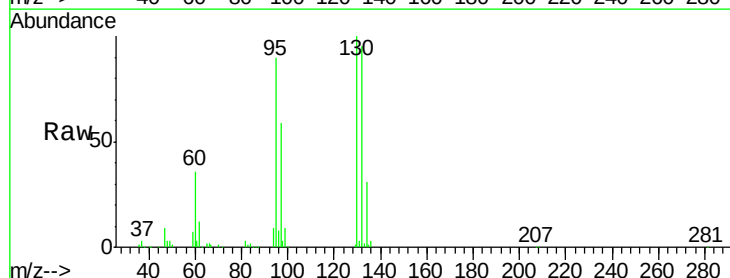
RT: 8.94 min Scan# 1182

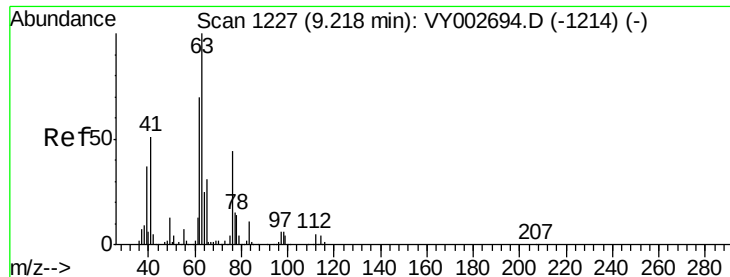
Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Tgt Ion	130	Resp	98731
Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	176.4





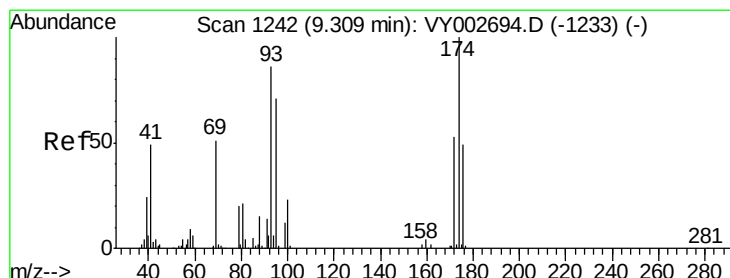
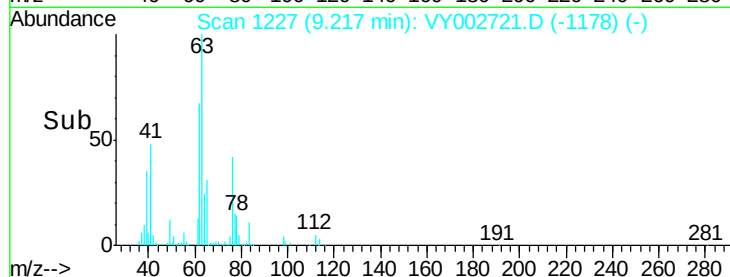
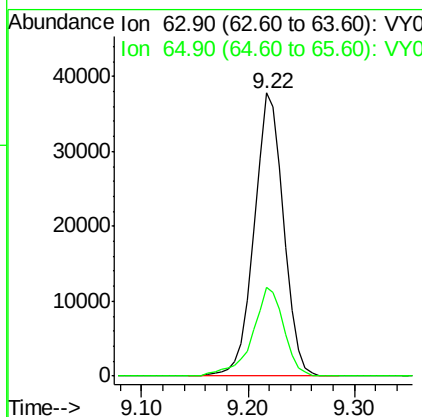
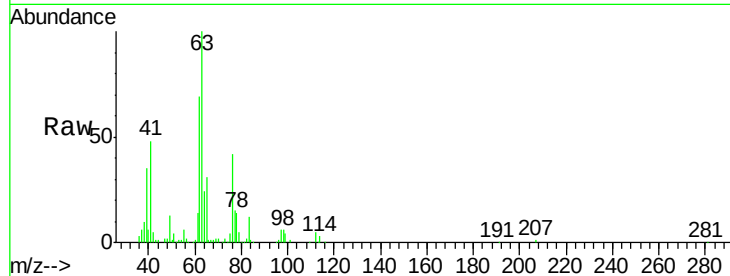
#45
 1,2-Dichloropropane
 Concen: 20.275 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1

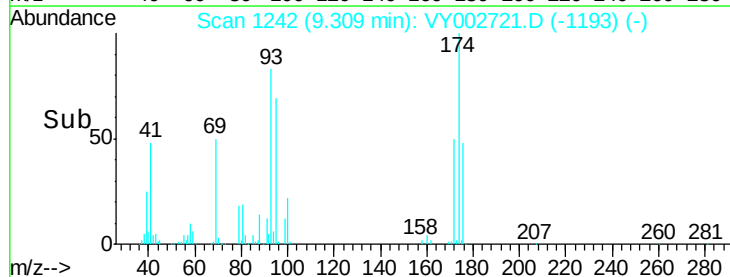
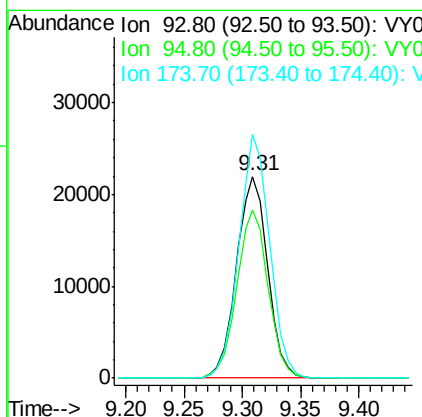
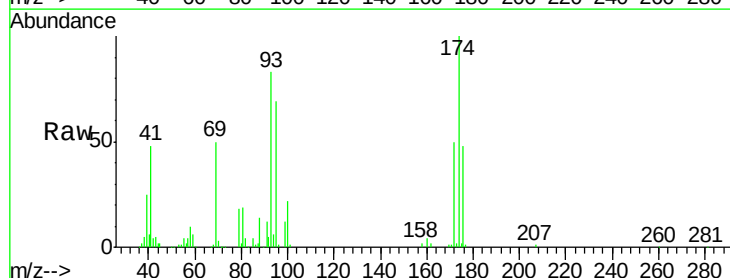
Manual Integrations
 APPROVED

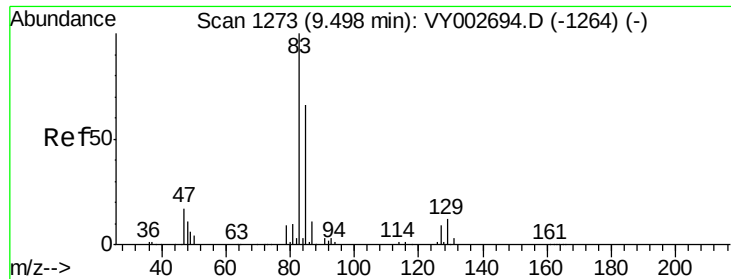
MMDadoda
 5/21/2020 1:14:36 PM



#46
 Dibromomethane
 Concen: 20.168 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.5	99.7
174	119.4	95.6	143.4





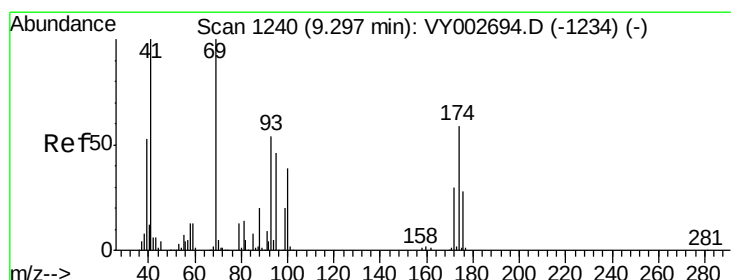
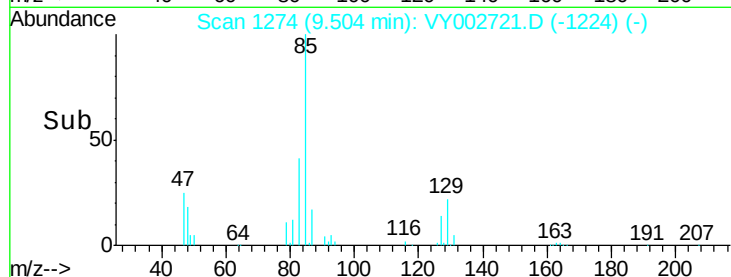
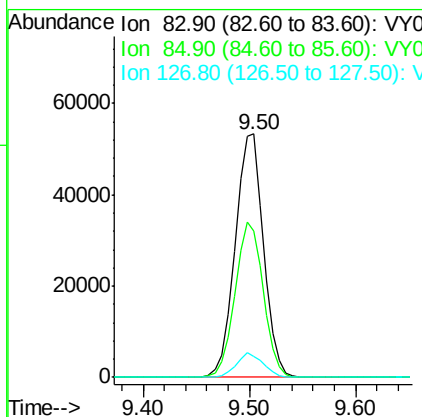
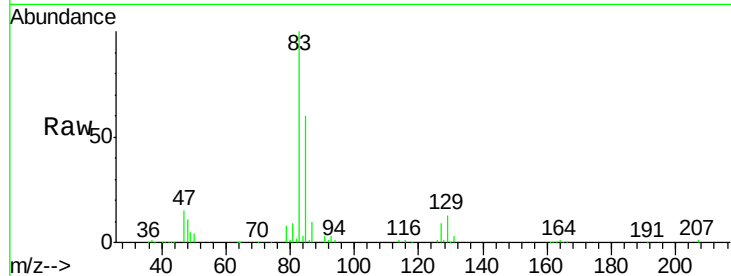
#47
Bromodichloromethane
Concen: 20.111 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	83	Resp	99498
Ion Ratio	100		
85	60.4	52.4	78.6
127	8.6	7.6	11.4

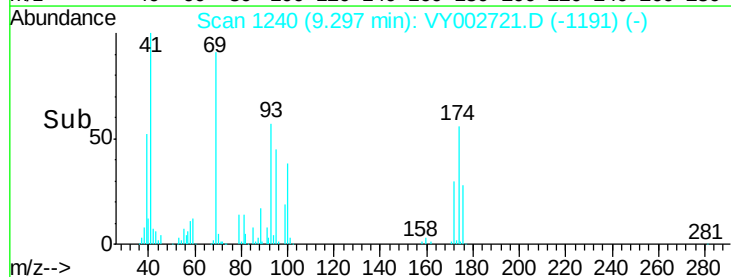
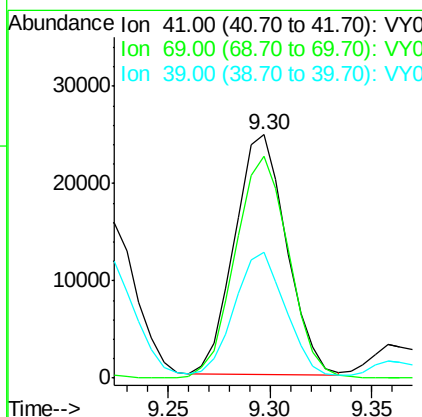
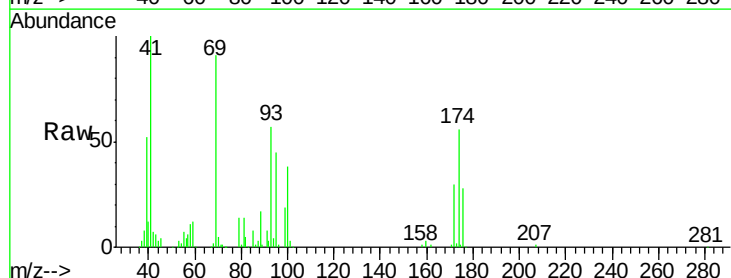
Manual Integrations
APPROVED

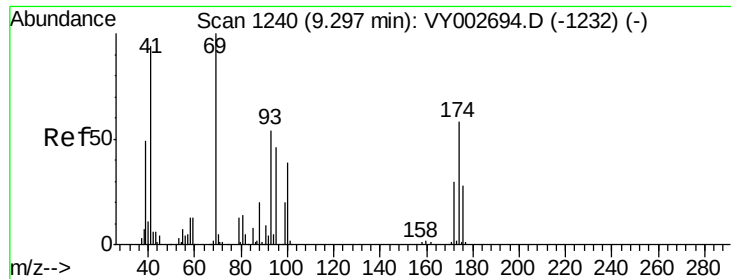
MMDadoda
5/21/2020 1:14:36 PM



#48
Methyl methacrylate
Concen: 19.980 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	41	Resp	43812
Ion Ratio	100		
69	95.6	78.7	118.1
39	50.3	42.9	64.3





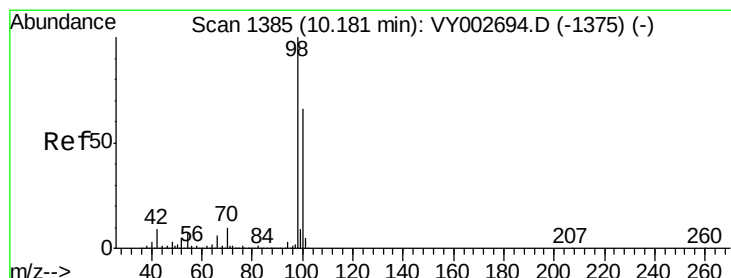
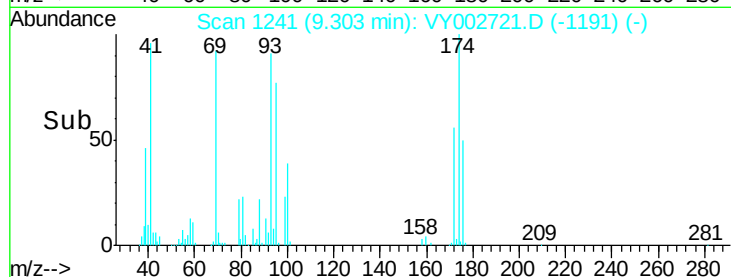
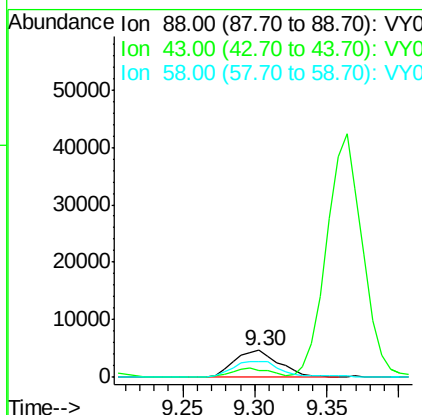
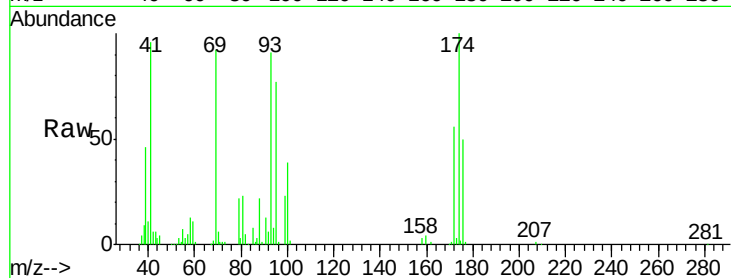
#49
1,4-Dioxane
Concen: 374.446 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	88	Resp	10338
Ion Ratio	Lower	Upper	
88	100		
43	29.5	23.4	35.0
58	68.0	54.5	81.7

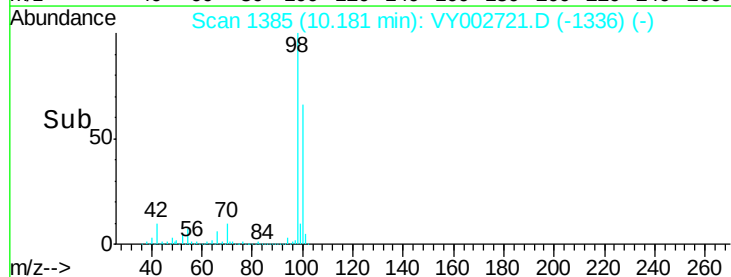
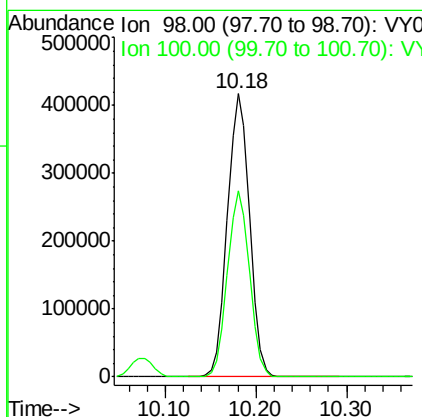
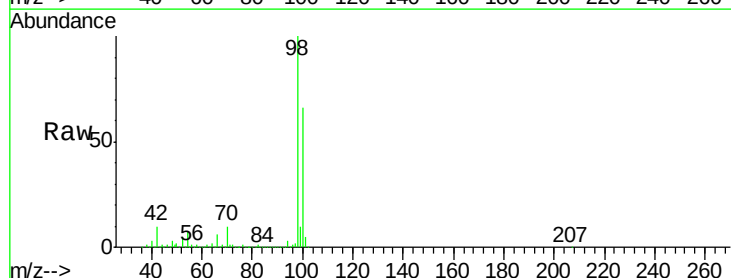
Manual Integrations
APPROVED

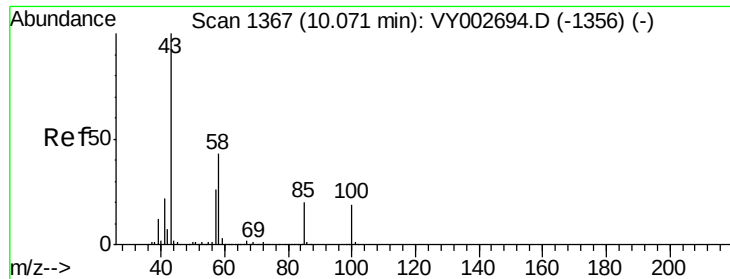
MMDadoda
5/21/2020 1:14:36 PM



#50
Toluene-d8
Concen: 51.728 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	98	Resp	707390
Ion Ratio	Lower	Upper	
98	100		
100	65.4	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 101.154 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 43 Resp: 248726

Ion Ratio Lower Upper

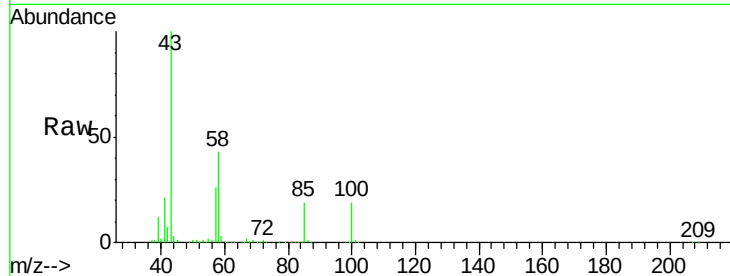
43 100

58 42.2 34.1 51.1

Manual Integrations
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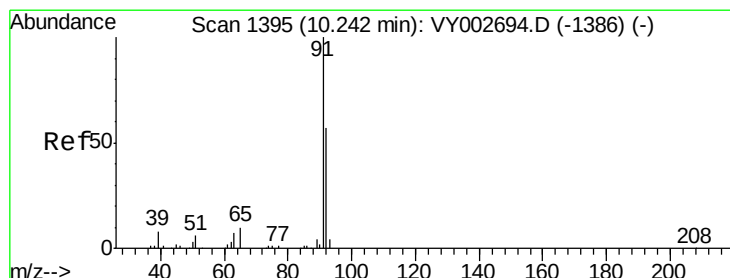
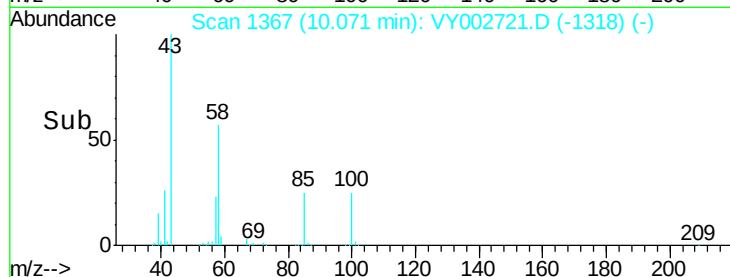
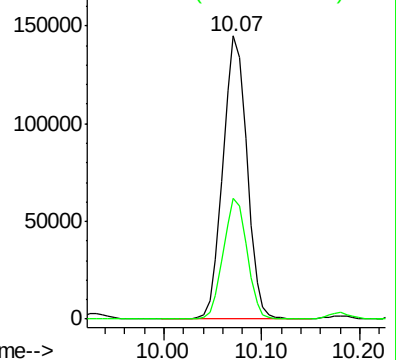
MMDadoda

5/21/2020 1:14:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 20.017 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY002721.D

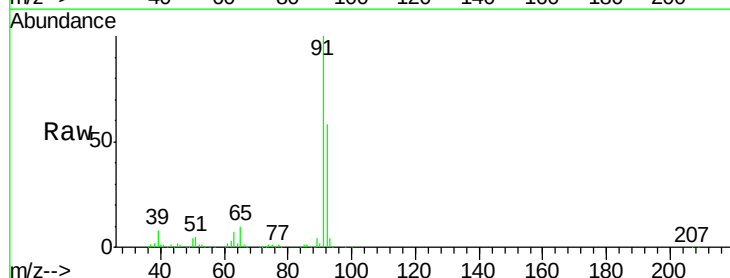
Acq: 20 May 2020 11:16

Tgt Ion: 92 Resp: 196932

Ion Ratio Lower Upper

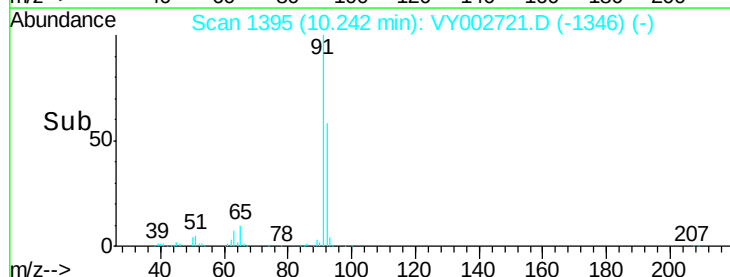
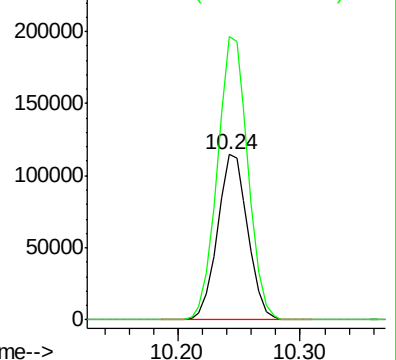
92 100

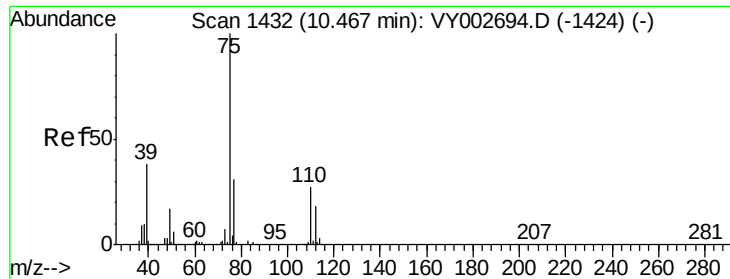
91 172.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





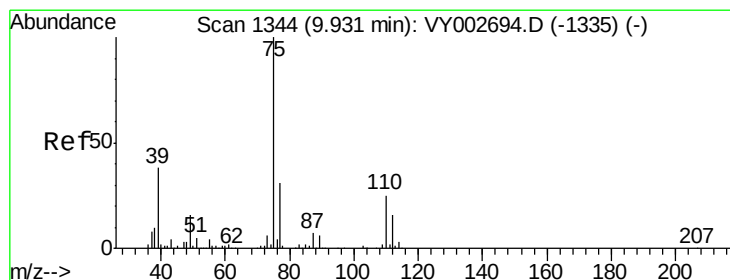
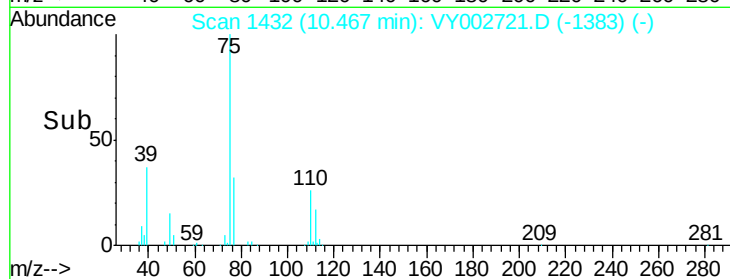
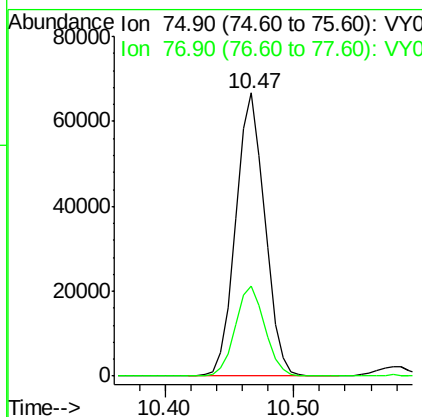
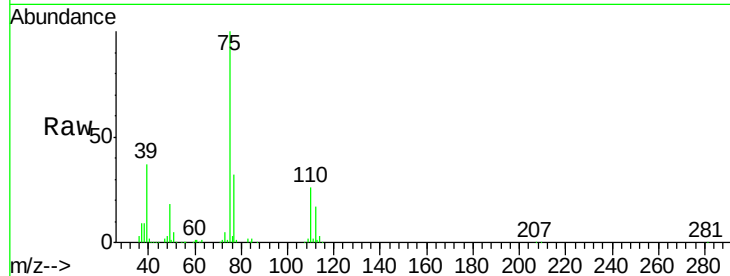
#53
t-1,3-Dichloropropene
Concen: 19.834 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7

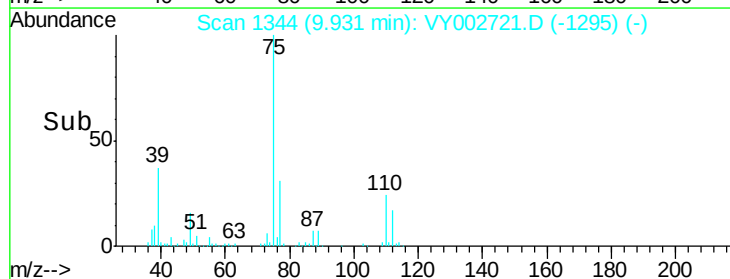
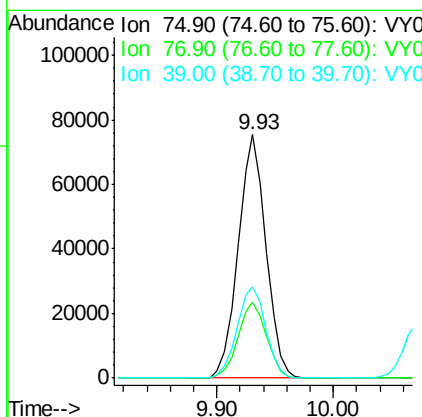
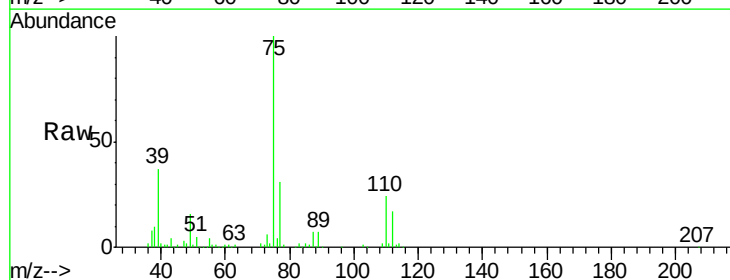
Manual Integrations
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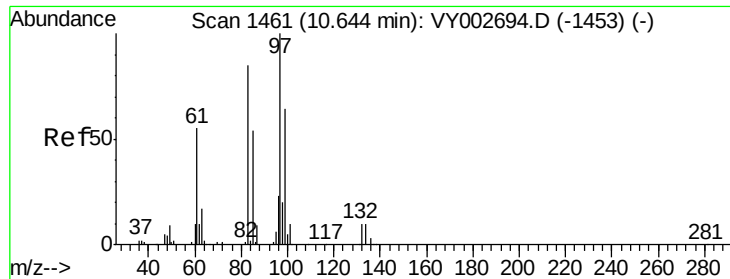
MMDadoda
5/21/2020 1:14:36 PM



#54
cis-1,3-Dichloropropene
Concen: 20.417 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	37.3	30.7	46.1





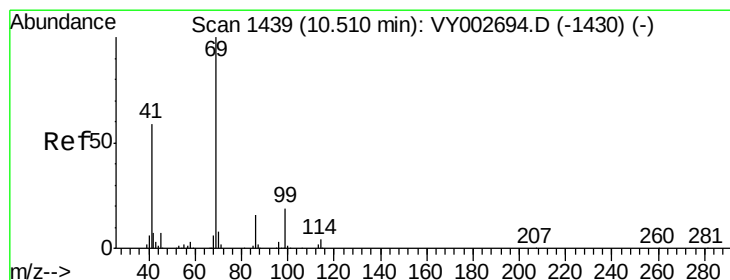
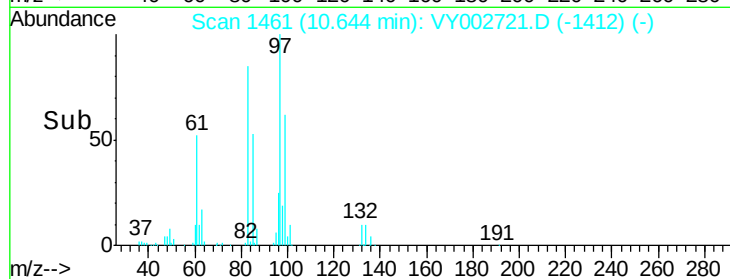
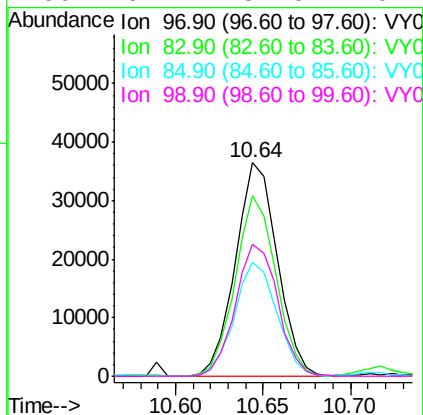
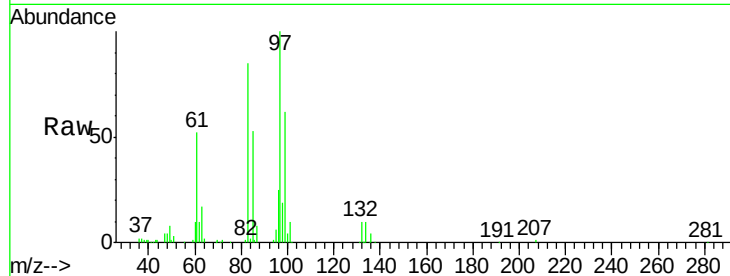
#55
 1,1,2-Trichloroethane
 Concen: 20.178 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Tot Ion:	97	Resp:	60896
Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.1	102.1
85	53.2	43.1	64.7
99	61.7	51.0	76.4

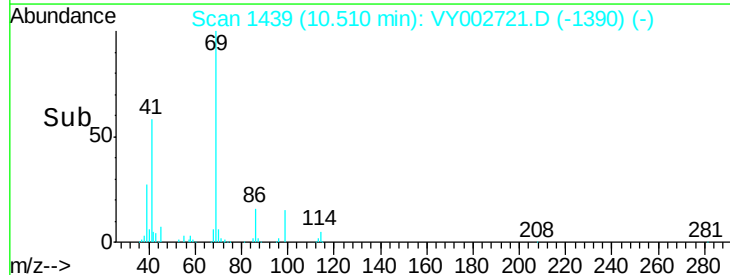
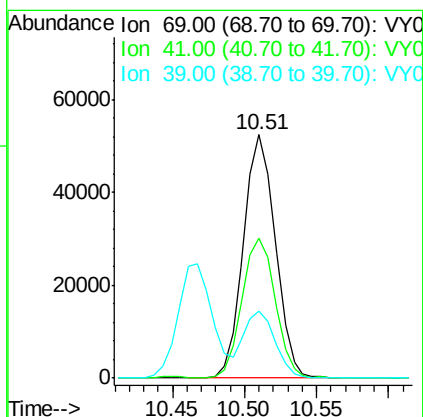
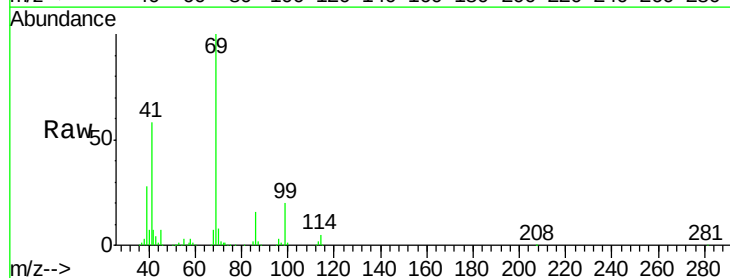
Manual Integrations
 APPROVED

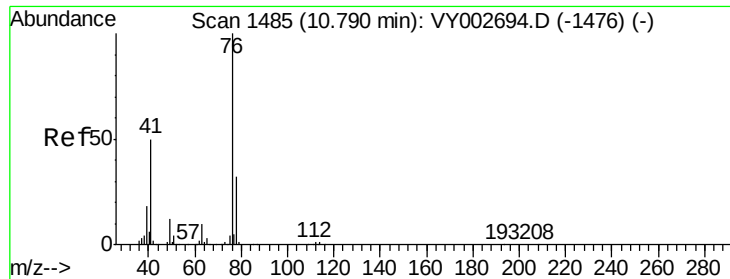
MMDadoda
 5/21/2020 1:14:36 PM



#56
 Ethyl methacrylate
 Concen: 20.088 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Tgt Ion:	69	Resp:	80709
Ion	Ratio	Lower	Upper
69	100		
41	59.2	48.0	72.0
39	26.5	22.1	33.1





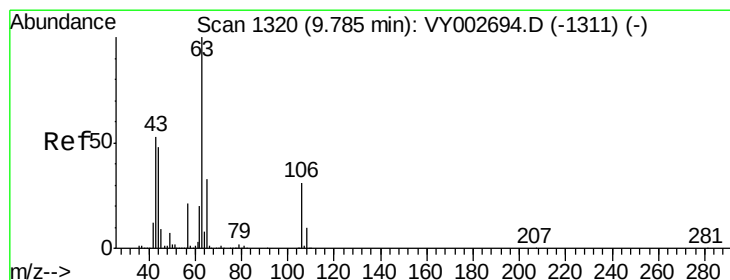
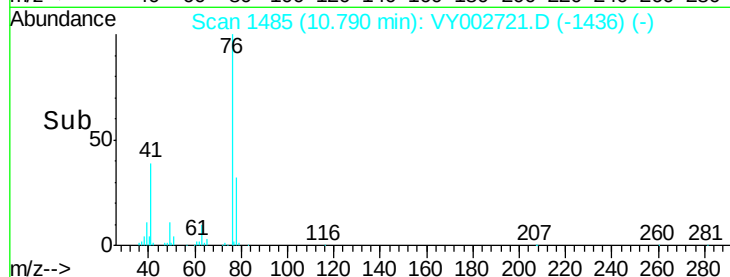
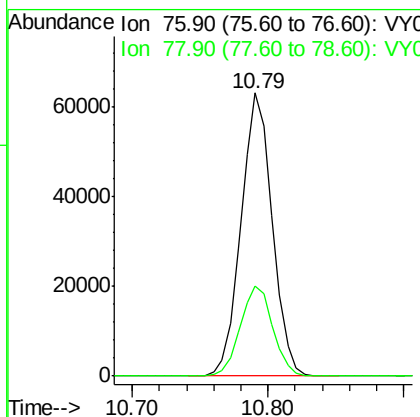
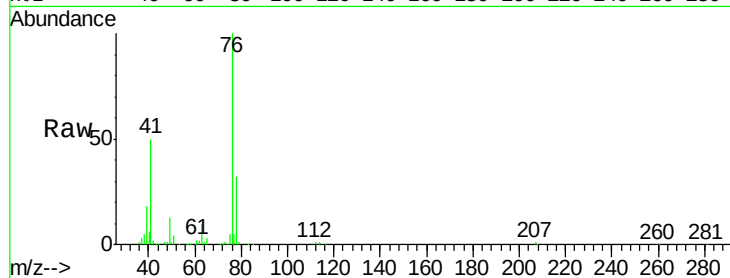
#57
 1,3-Dichloropropane
 Concen: 19.946 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.4

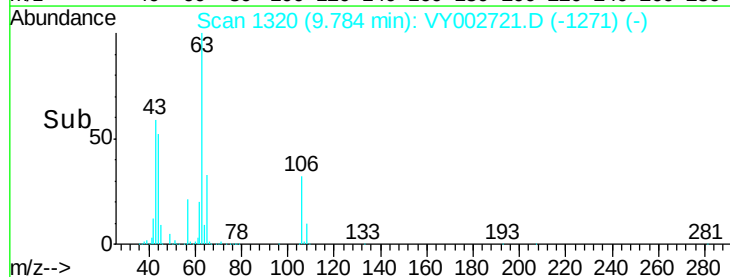
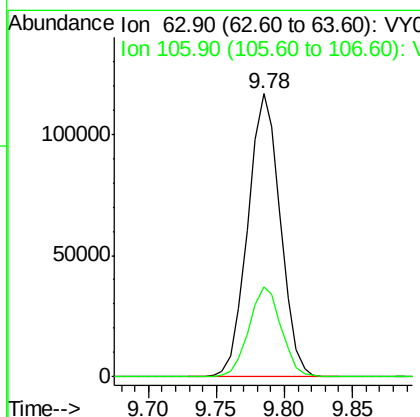
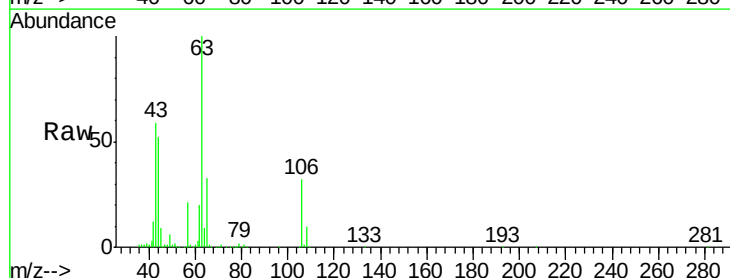
Manual Integrations
 APPROVED

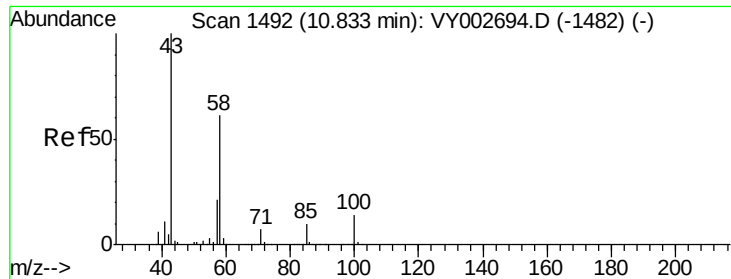
MMDadoda
 5/21/2020 1:14:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.671 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.6	25.1	37.7





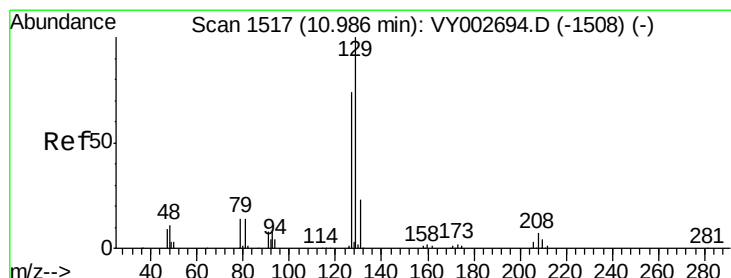
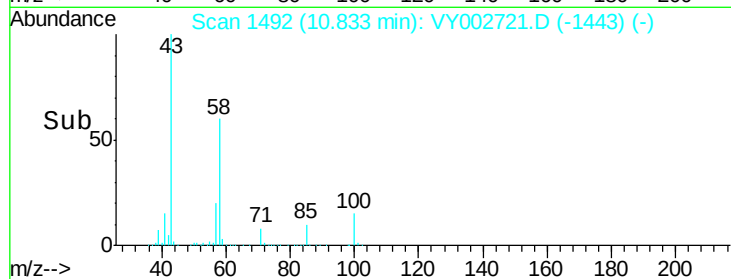
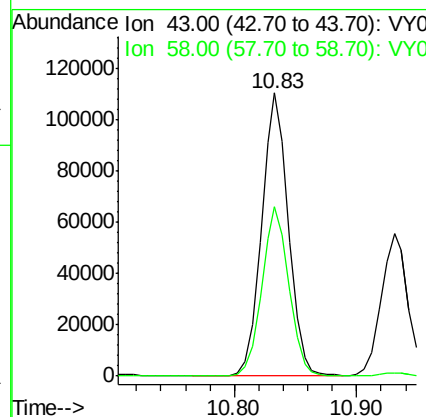
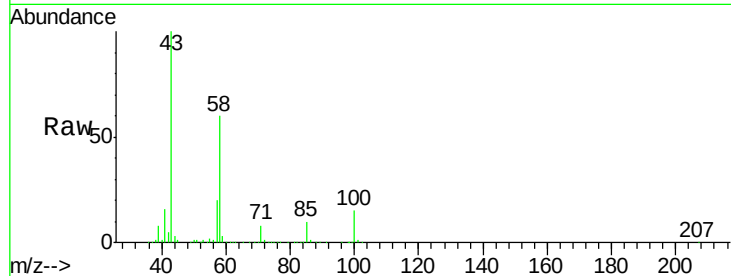
#59
2-Hexanone
Concen: 98.314 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion: 43 Resp: 168423
Ion Ratio Lower Upper
43 100
58 60.2 29.8 89.4

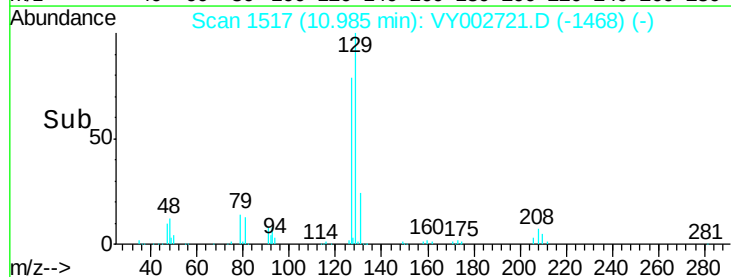
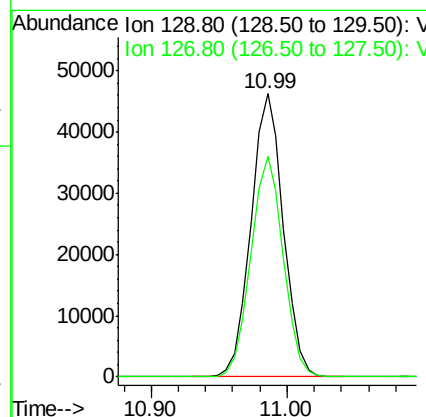
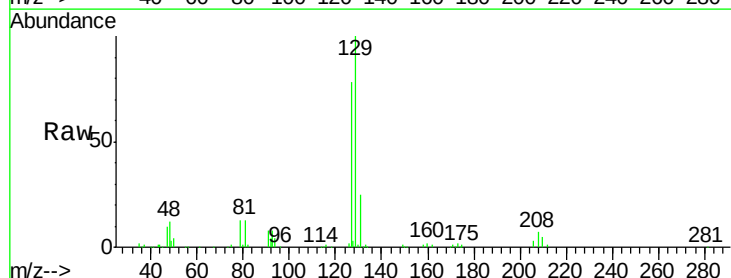
Manual Integrations
APPROVED

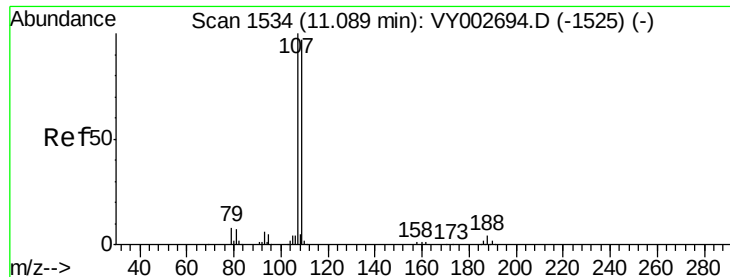
MMDadoda
5/21/2020 1:14:36 PM



#60
Dibromochloromethane
Concen: 19.981 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion: 129 Resp: 77039
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





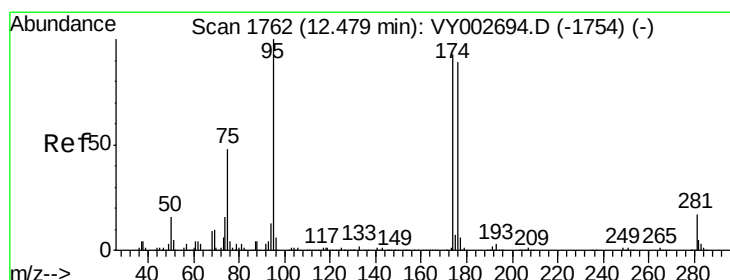
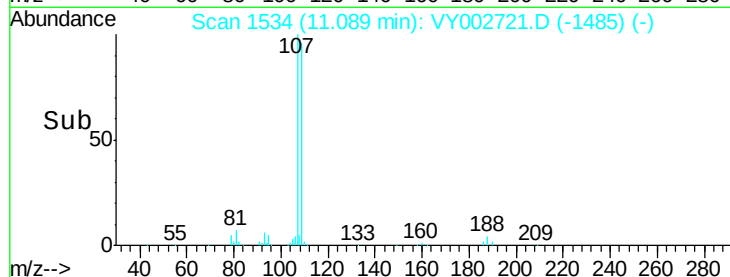
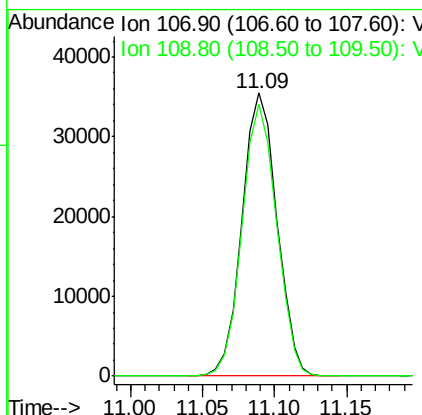
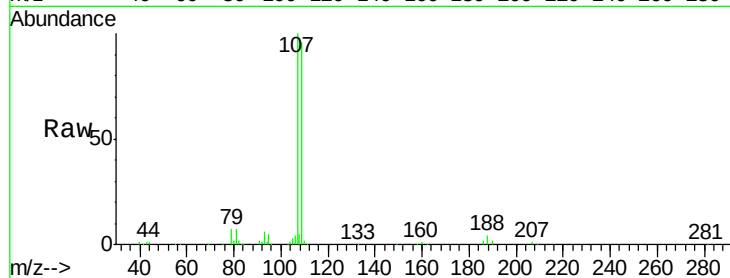
#61
 1,2-Dibromoethane
 Concen: 20.034 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Tot Ion:107 Resp: 59568
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.1 114.1

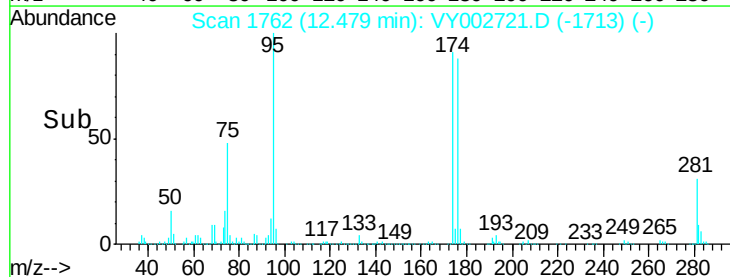
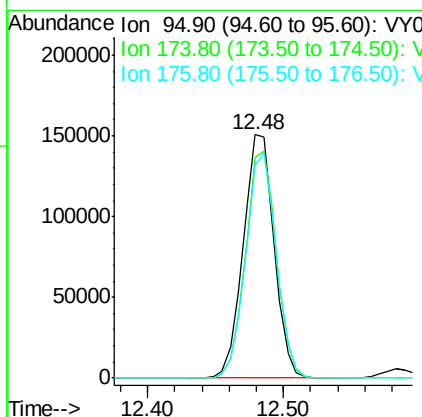
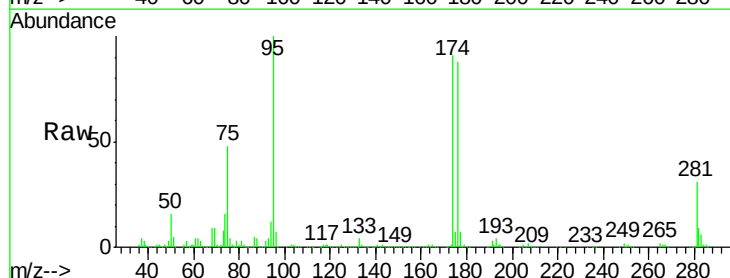
Manual Integrations
 APPROVED

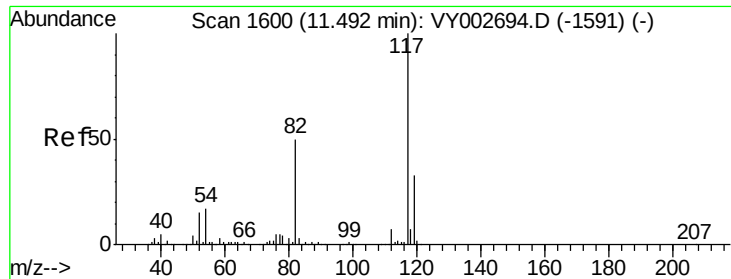
MMDadoda
 5/21/2020 1:14:36 PM



#62
 4-Bromofluorobenzene
 Concen: 50.869 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Tgt Ion: 95 Resp: 239095
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 191.4
 176 91.5 0.0 186.0





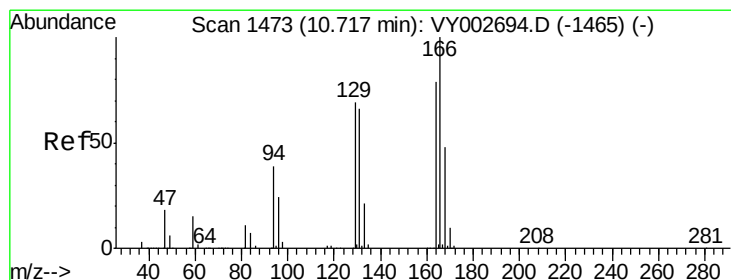
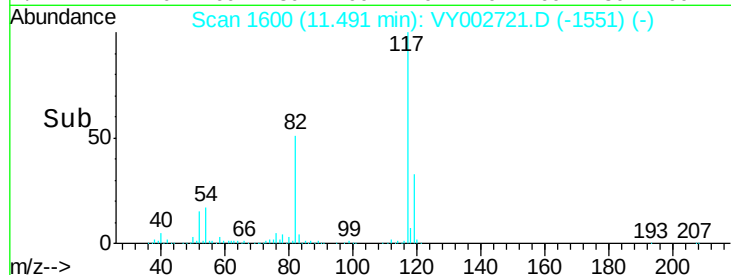
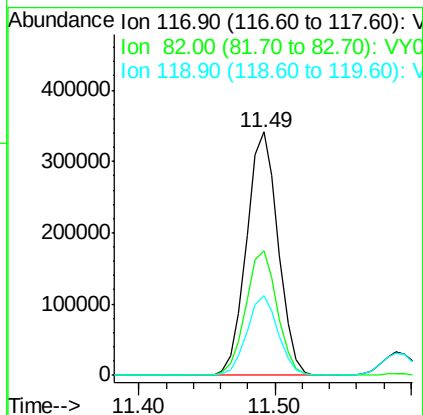
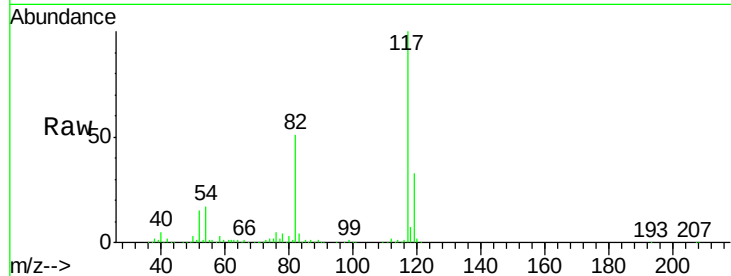
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	40.3	60.5
119	32.6	26.2	39.4

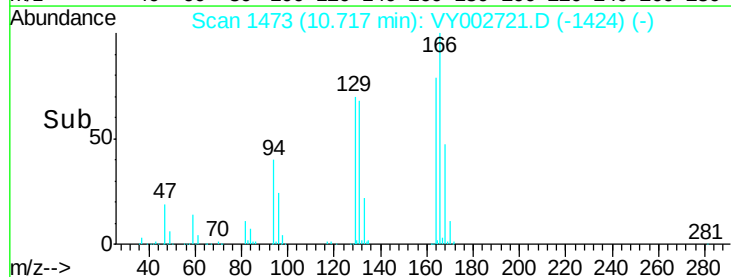
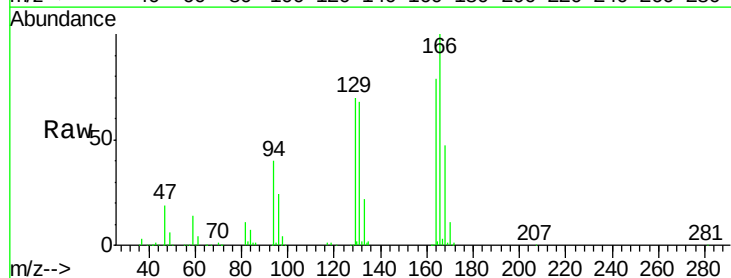
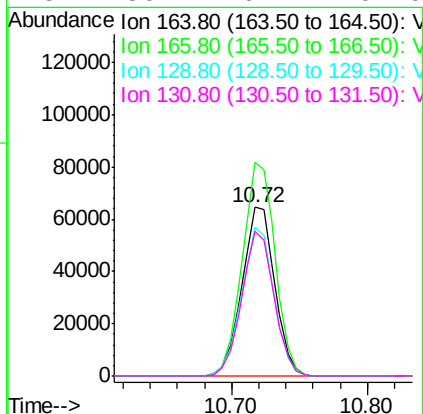
Manual Integrations
APPROVED

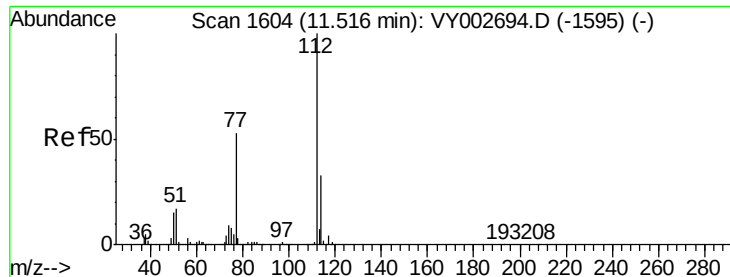
MMDadoda
5/21/2020 1:14:36 PM



#64
Tetrachloroethene
Concen: 20.624 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.6	152.4
129	88.2	70.2	105.4
131	86.2	67.4	101.0





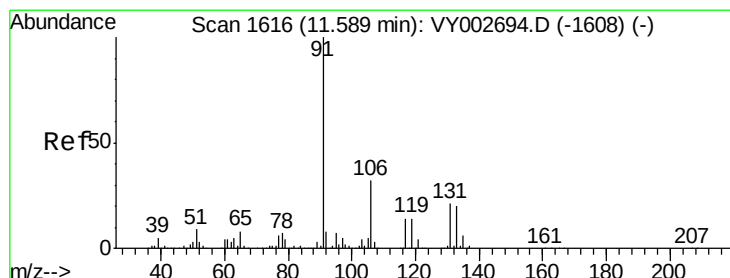
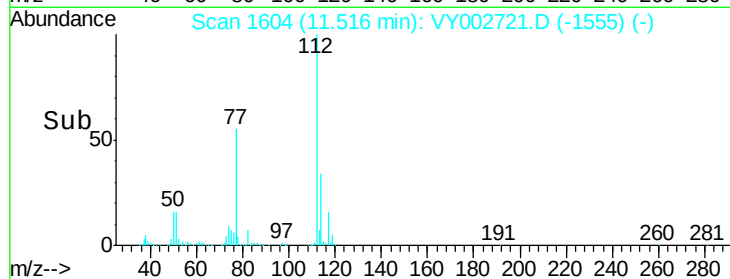
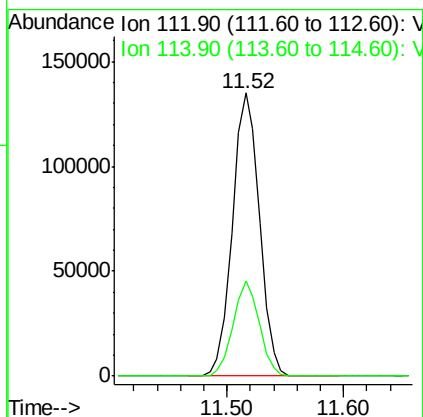
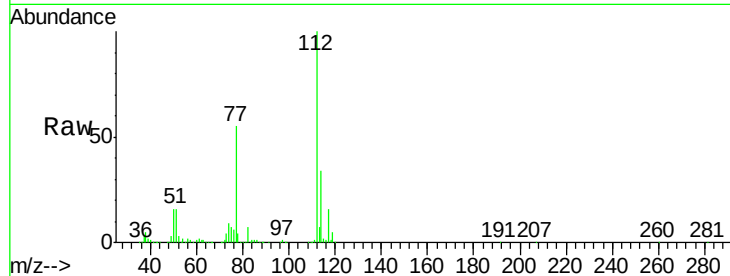
#65
Chlorobenzene
Concen: 20.385 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	26.1	39.1

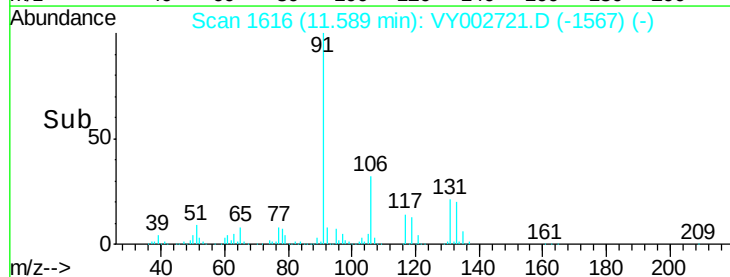
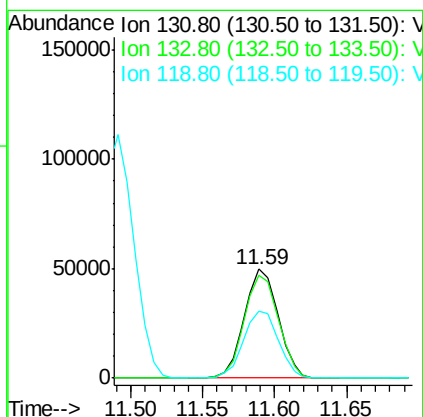
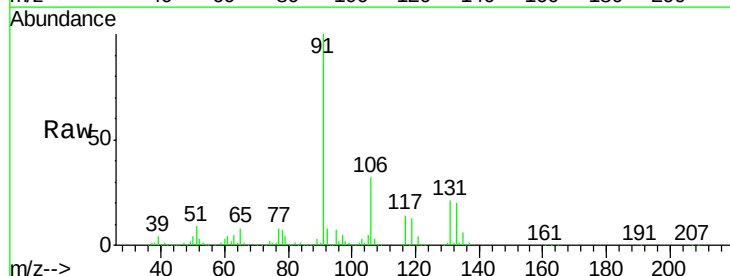
Manual Integrations
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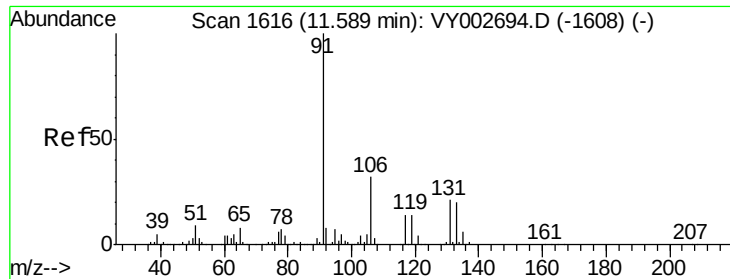
MMDadoda
5/21/2020 1:14:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.467 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.4	142.3
119	63.6	31.6	94.8





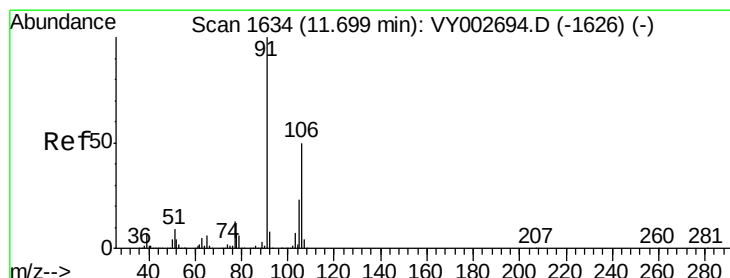
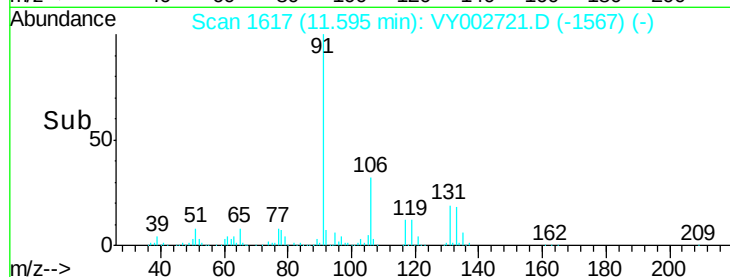
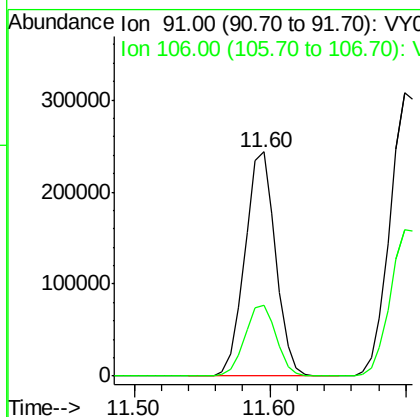
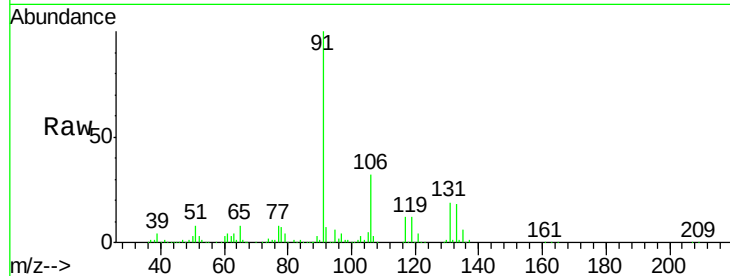
#67
Ethyl Benzene
Concen: 20.412 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	26.0	39.0

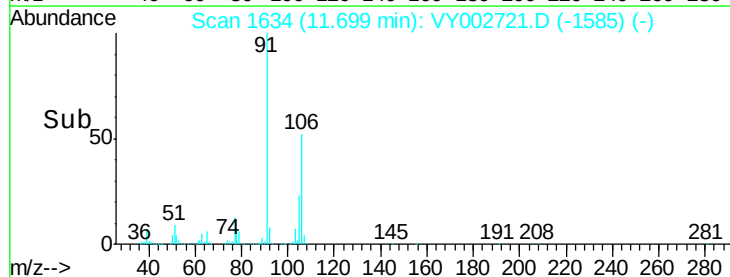
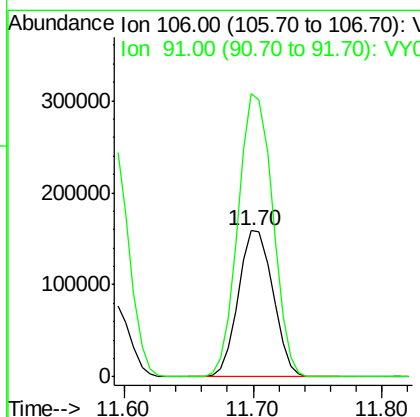
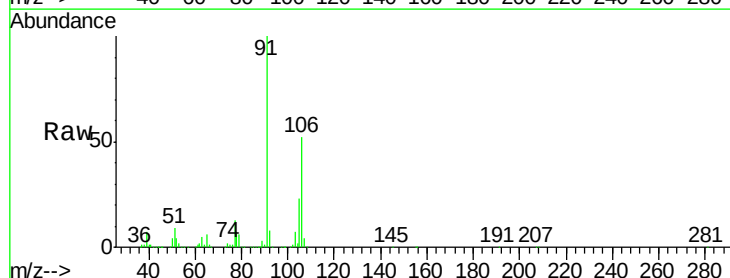
Manual Integrations
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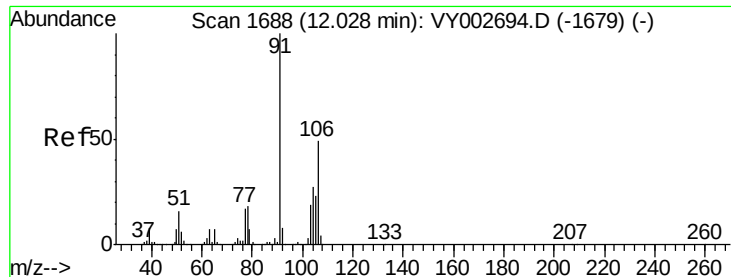
MMDadoda
5/21/2020 1:14:36 PM



#68
m/p-Xylenes
Concen: 40.490 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.3	156.2	234.4





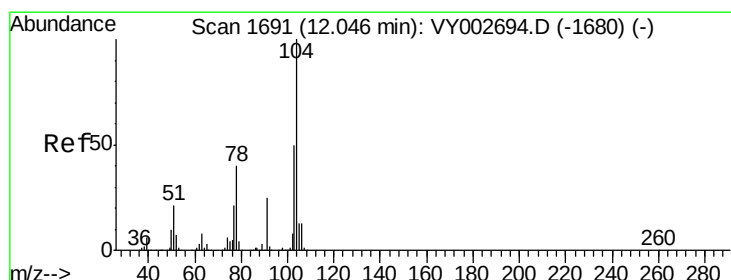
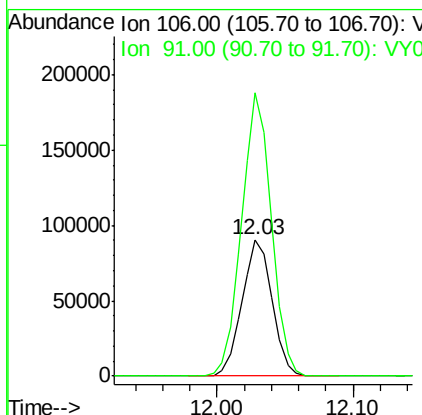
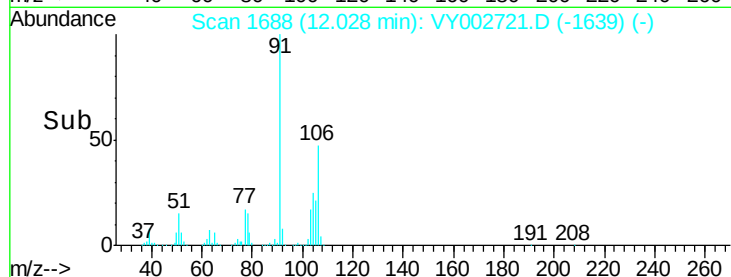
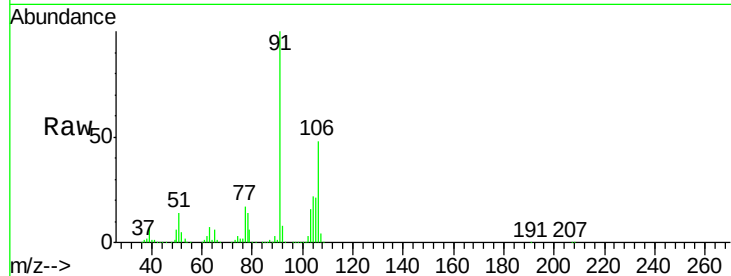
#69
o-Xylene
Concen: 20.395 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		139980		
91	205.0	103.5	310.3		

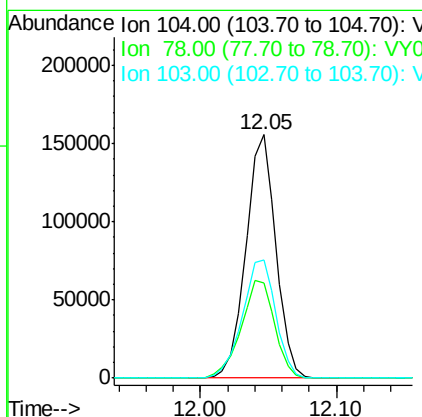
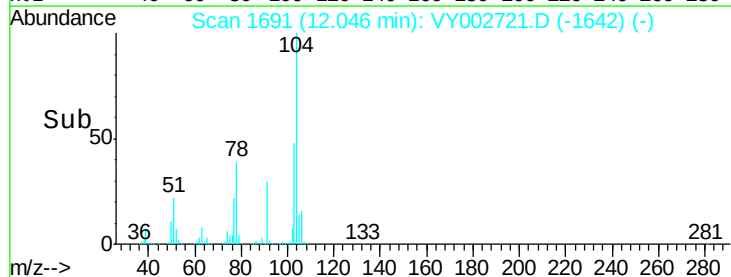
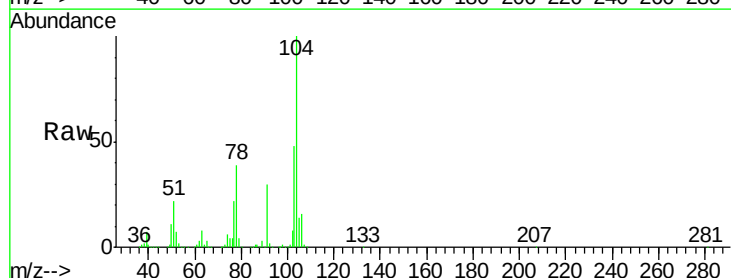
Manual Integrations
APPROVED

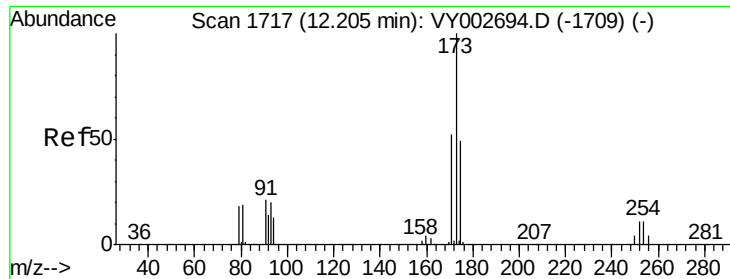
MMDadoda
5/21/2020 1:14:36 PM



#70
Styrene
Concen: 20.336 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		239640		
78	44.9	36.6	54.8		
103	54.4	44.1	66.1		





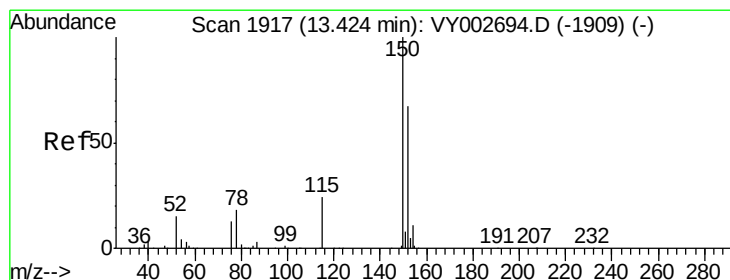
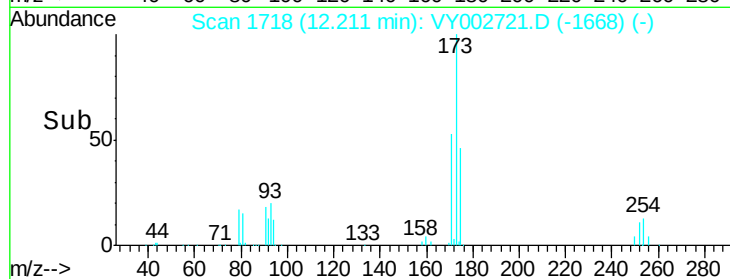
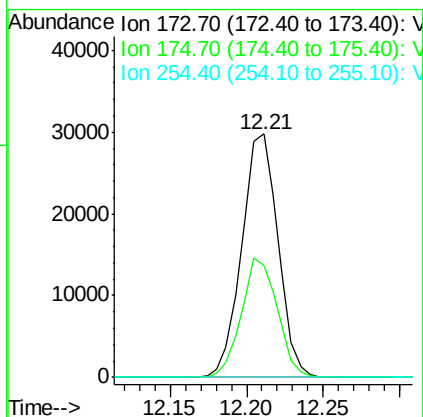
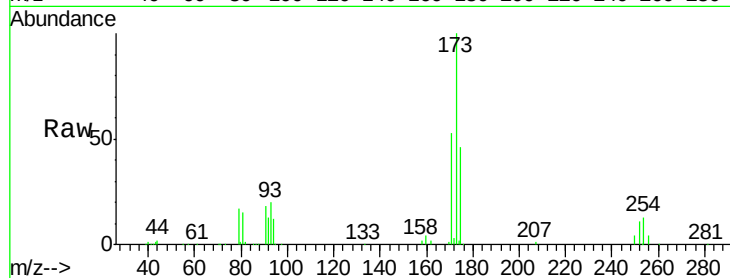
#71
Bromoform
Concen: 19.939 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.4
254	0.0	0.1	0.1#

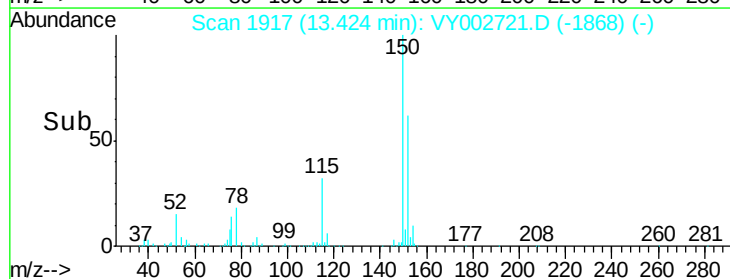
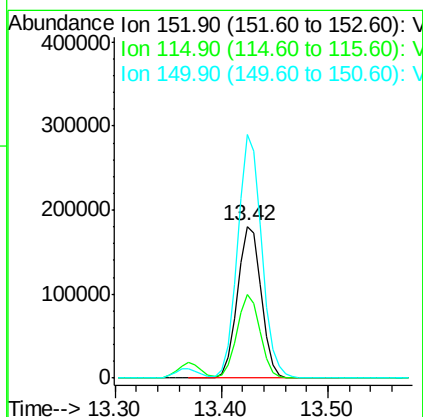
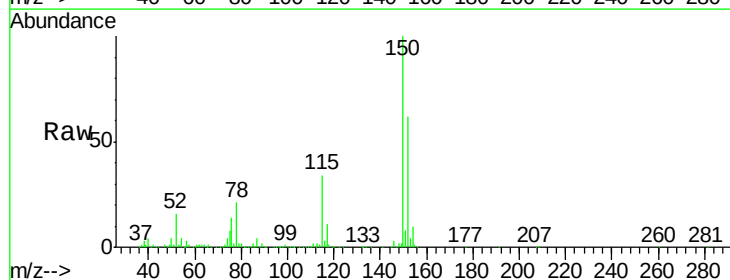
Manual Integrations
APPROVED

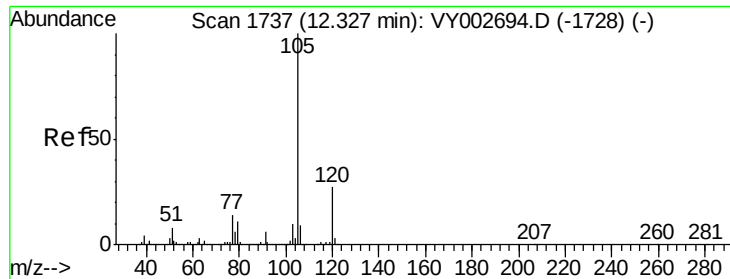
MMDadoda
5/21/2020 1:14:36 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.2	81.6
150	162.6	0.0	343.8





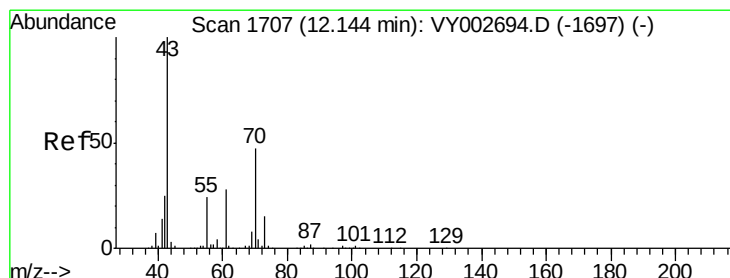
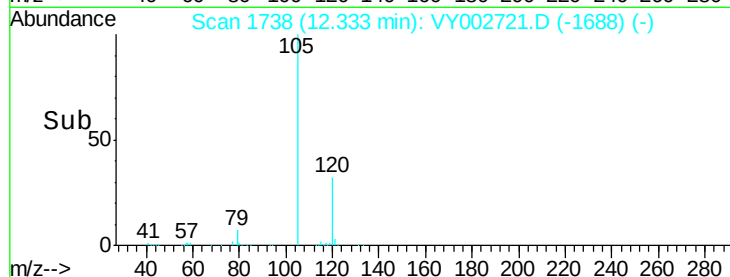
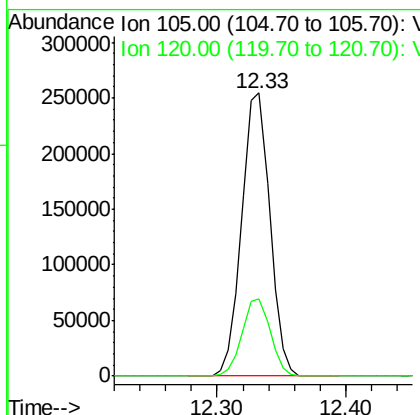
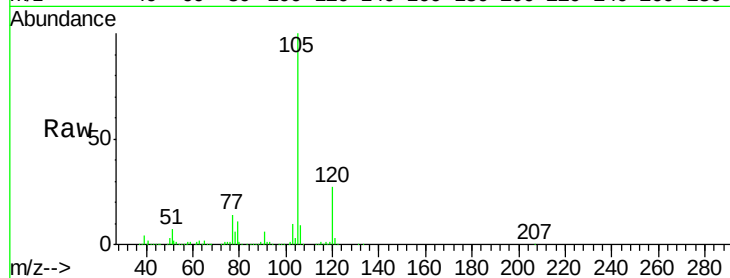
#73
Isopropylbenzene
Concen: 20.753 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.7	41.1

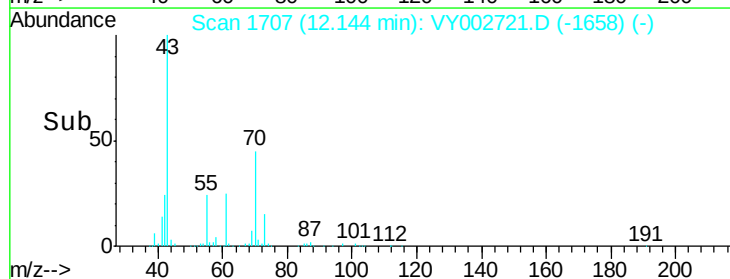
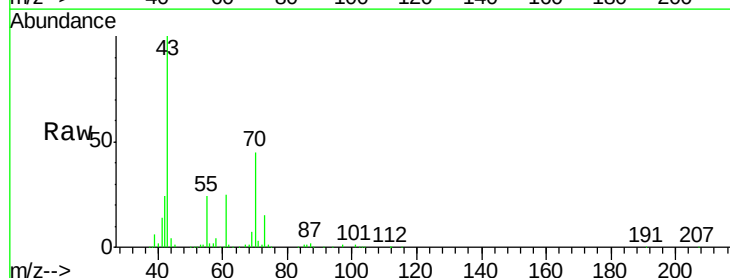
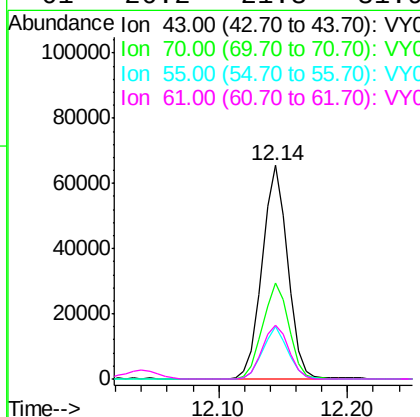
Manual Integrations
APPROVED

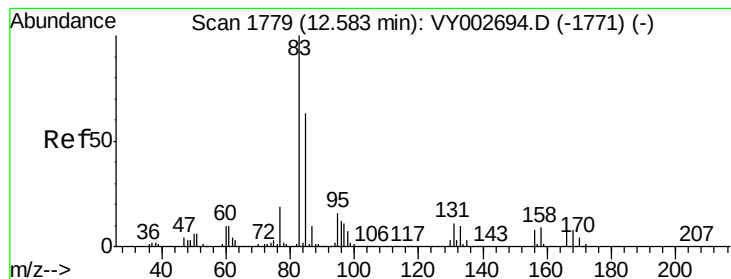
MMDadoda
5/21/2020 1:14:36 PM



#74
N-ethyl acetate
Concen: 20.678 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.2	37.7	56.5
55	24.2	19.4	29.0
61	26.2	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.230 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

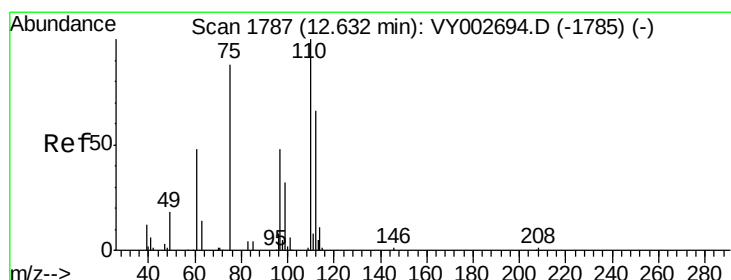
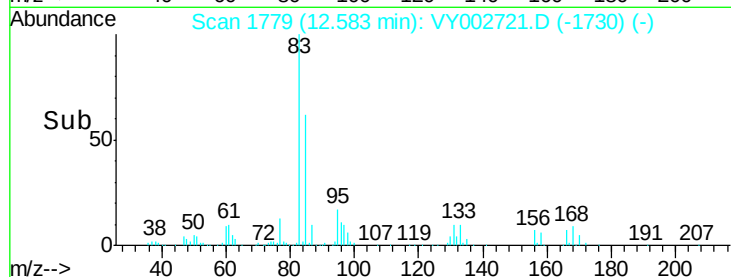
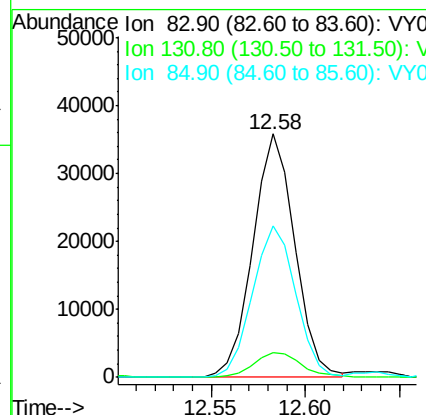
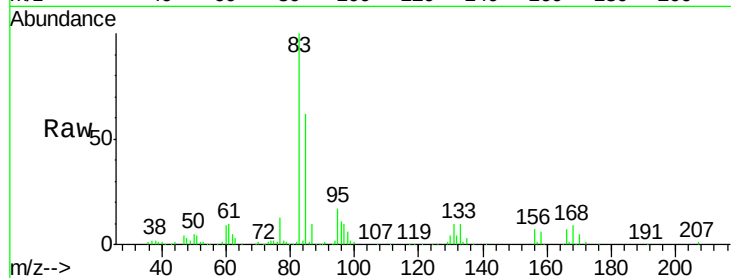
ClientSampleId :

VY0520SBS01

Tot Ion:	83	Resp:	55161
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.3
85	64.1	31.9	95.9

Manual Integrations
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5/21/2020 1:14:36 PM



#76

1,2,3-Trichloropropane

Concen: 21.276 ug/l m

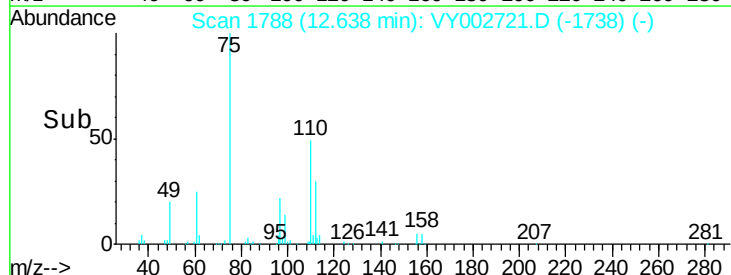
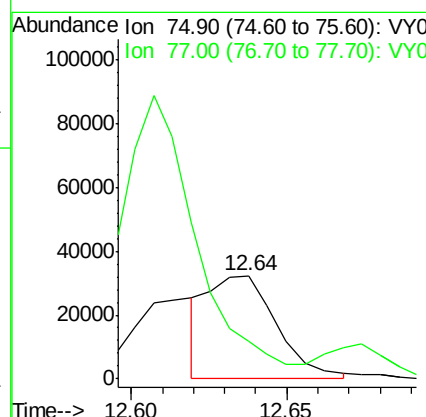
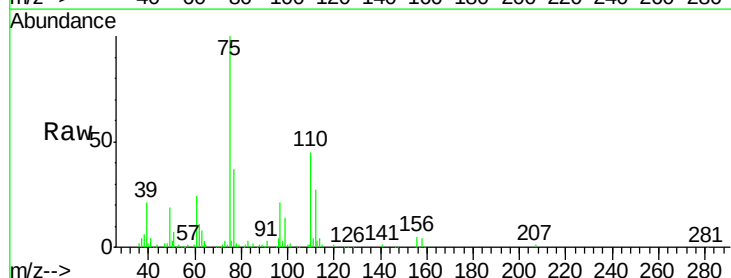
RT: 12.64 min Scan# 1788

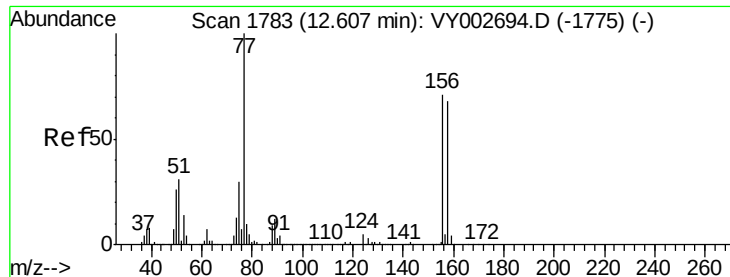
Delta R.T. 0.01 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Tgt Ion:	75	Resp:	49527
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.432 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

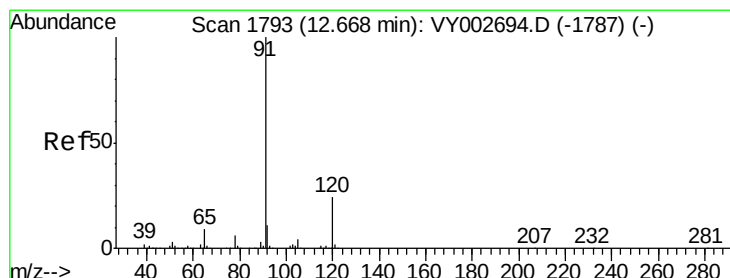
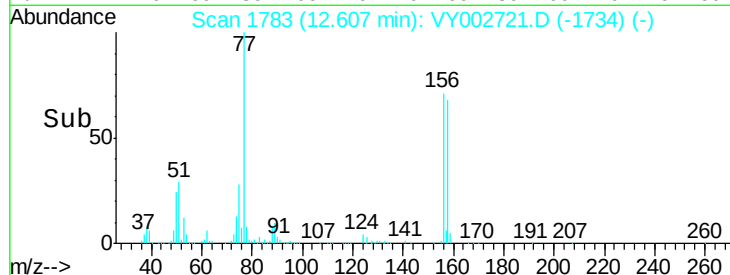
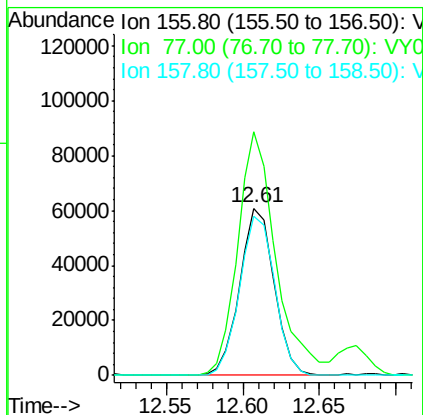
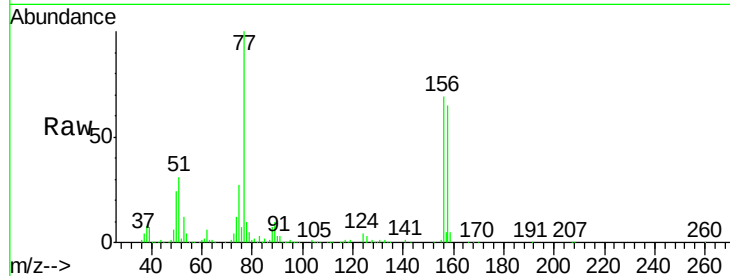
ClientSampleId :

VY0520SBS01

Tot Ion:	156	Resp:	94586
Ion Ratio	Lower	Upper	
156	100		
77	162.7	80.8	242.3
158	97.9	49.0	147.0

Manual Integrations
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5/21/2020 1:14:36 PM



#78

n-propylbenzene

Concen: 20.708 ug/l

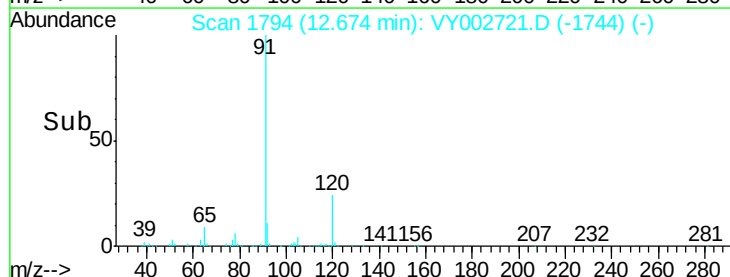
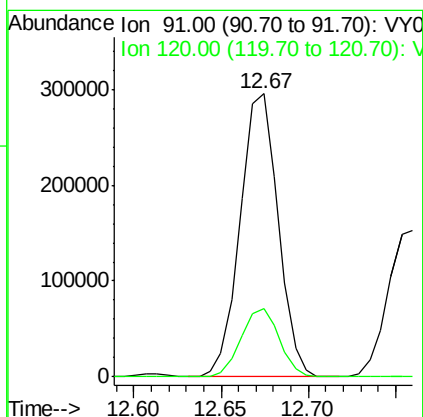
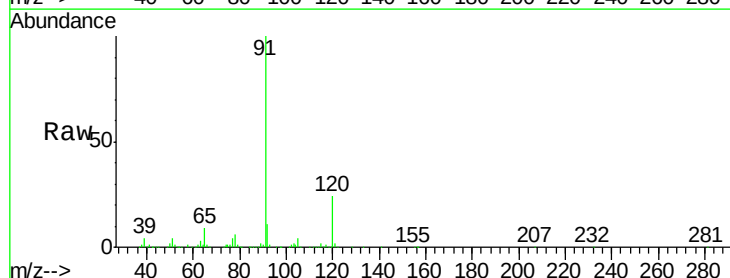
RT: 12.67 min Scan# 1794

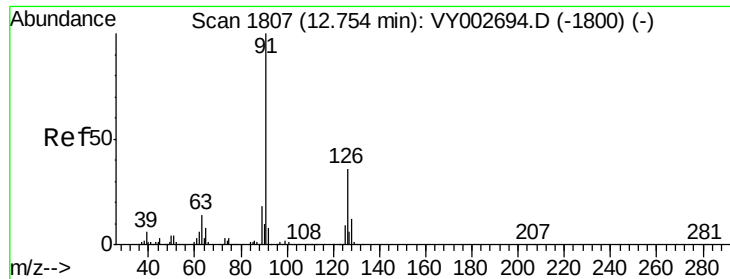
Delta R.T. 0.01 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Tgt Ion:	91	Resp:	446058
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.3	36.8





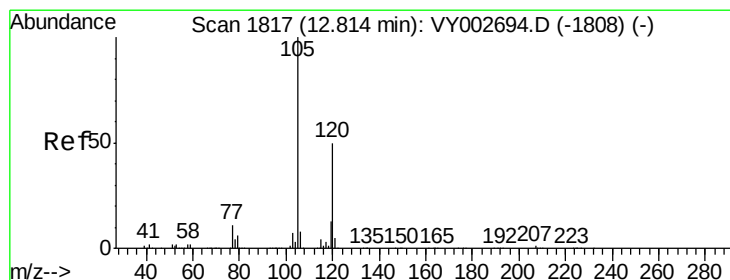
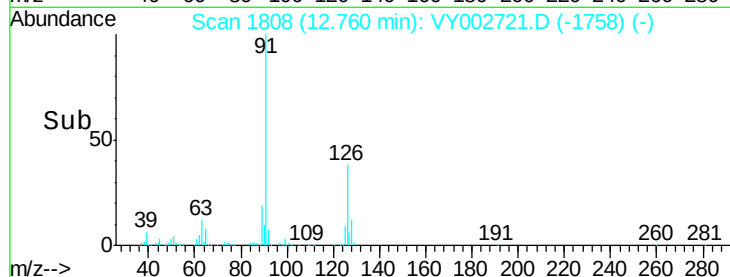
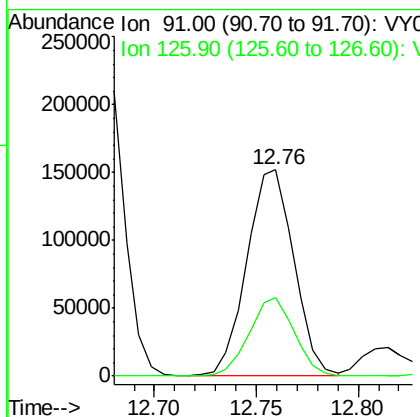
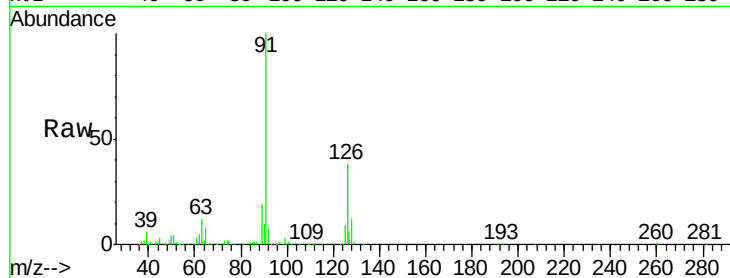
#79
2-Chlorotoluene
Concen: 20.463 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion: 91 Resp: 244481
Ion Ratio Lower Upper
91 100
126 36.6 18.4 55.0

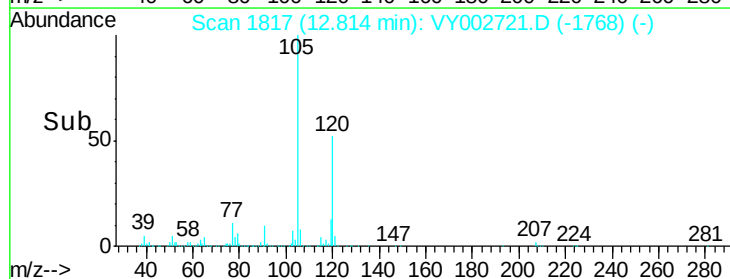
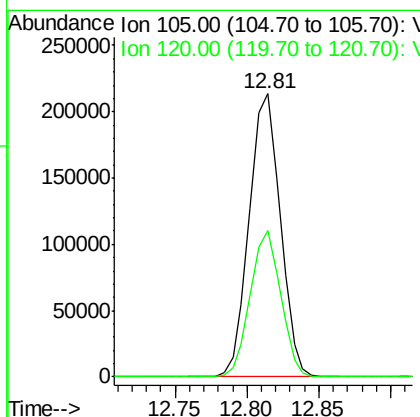
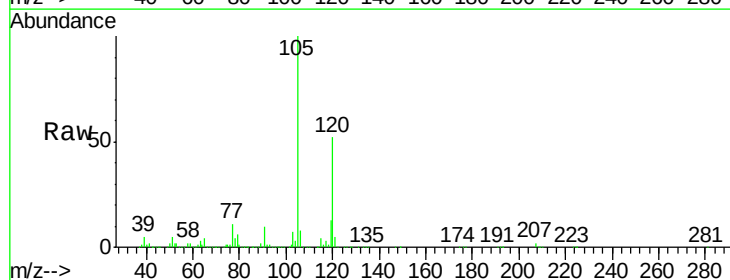
Manual Integrations
APPROVED

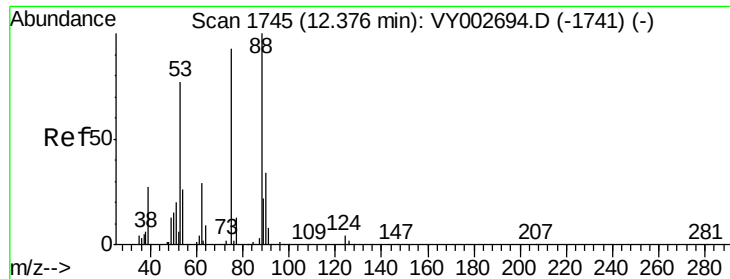
MMDadoda
5/21/2020 1:14:36 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.461 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion: 105 Resp: 318341
Ion Ratio Lower Upper
105 100
120 50.6 25.1 75.4





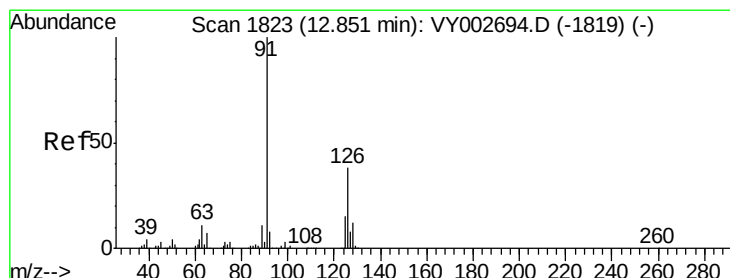
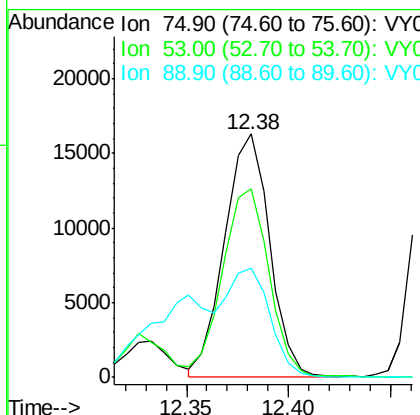
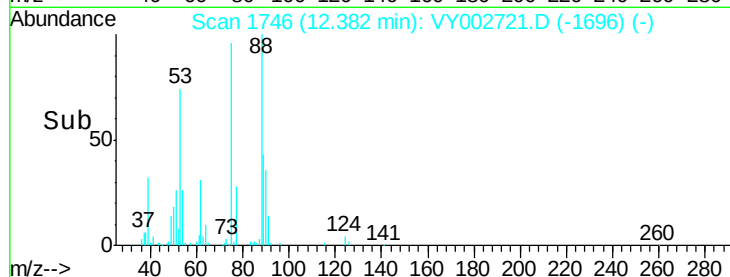
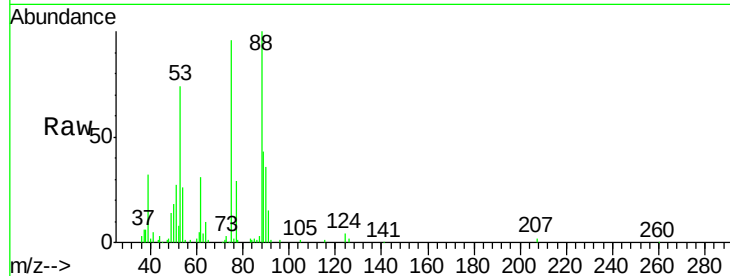
#81
trans-1,4-Dichloro-2-butene
Concen: 20.275 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.4	65.0	97.6
89	43.5	66.6	99.8#

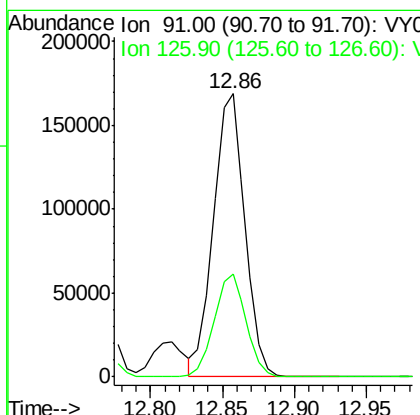
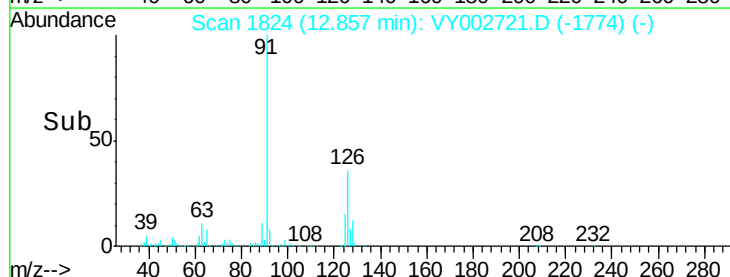
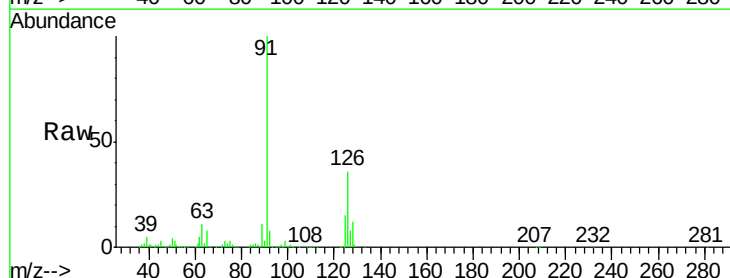
Manual Integrations
APPROVED

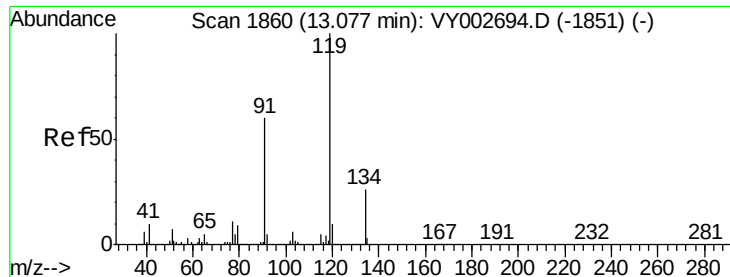
MMDadoda
5/21/2020 1:14:36 PM



#82
4-Chlorotoluene
Concen: 20.550 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.6	56.0





#83

tert-Butylbenzene

Concen: 20.383 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

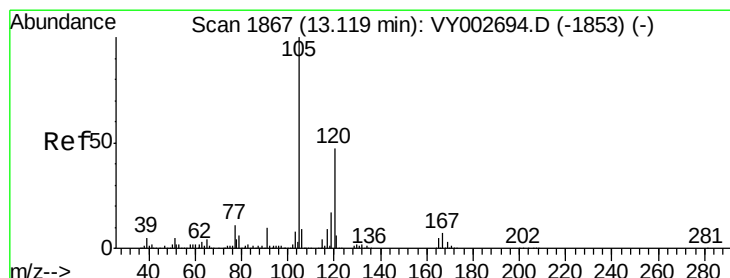
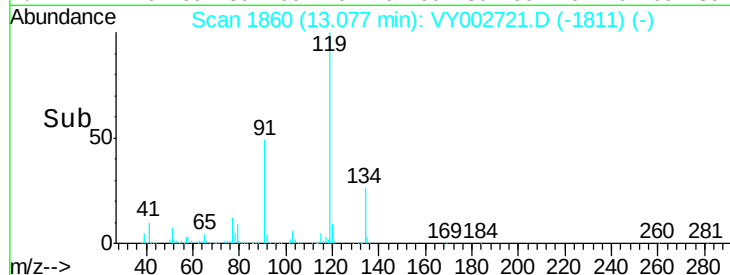
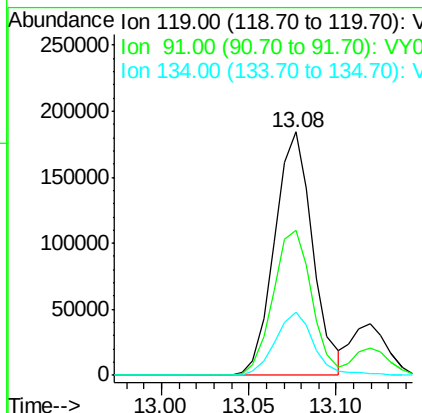
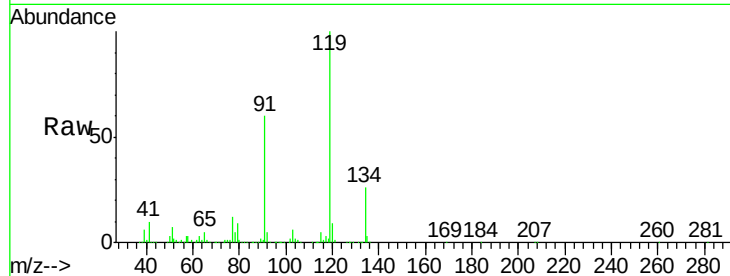
ClientSampleId :

VY0520SBS01

Tot Ion:	119	Resp:	280661
Ion Ratio	Lower	Upper	
119	100		
91	60.5	30.4	91.2
134	26.4	13.4	40.2

Manual Integrations
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5/21/2020 1:14:36 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.251 ug/l

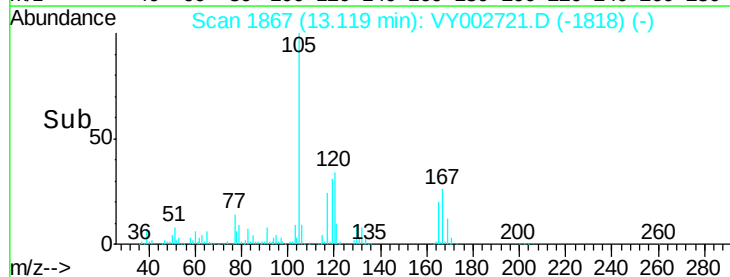
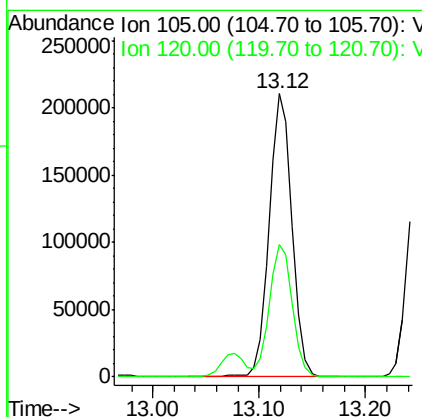
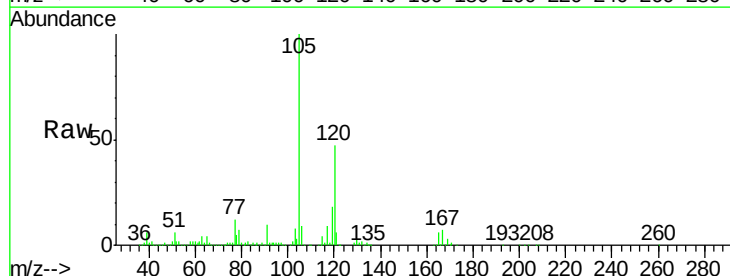
RT: 13.12 min Scan# 1867

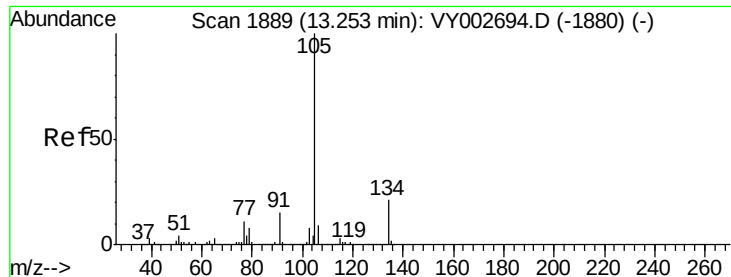
Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Tgt Ion:	105	Resp:	314895
Ion Ratio	Lower	Upper	
105	100		
120	47.0	23.5	70.5





#85

sec-Butylbenzene

Concen: 20.585 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

Tot Ion:105 Resp: 391125

Ion Ratio Lower Upper

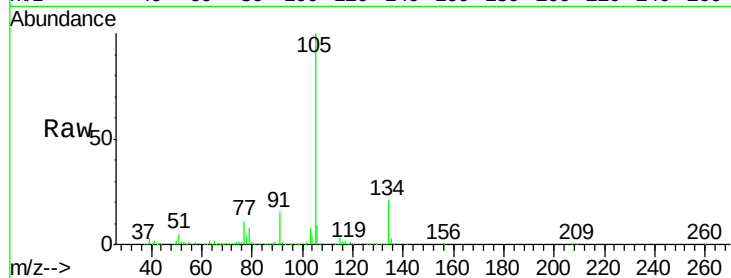
105 100

134 21.5 10.8 32.3

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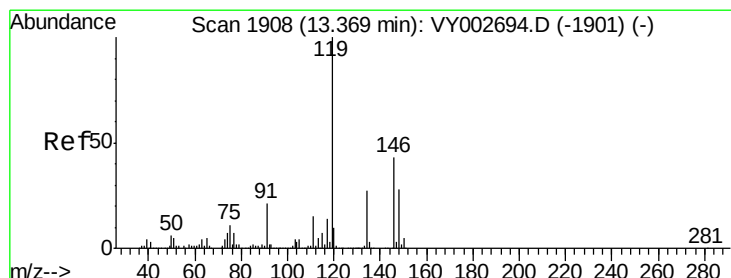
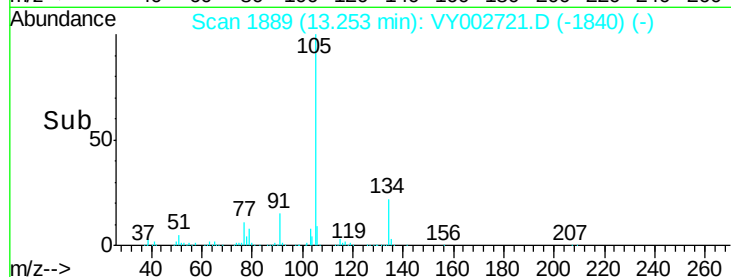
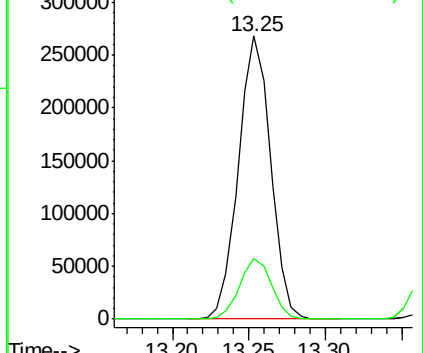
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.468 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002721.D

Acq: 20 May 2020 11:16

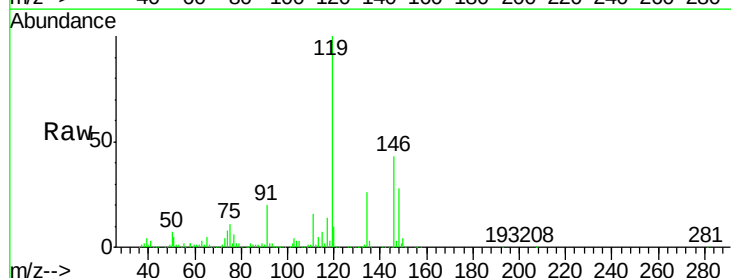
Tgt Ion:119 Resp: 364027

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

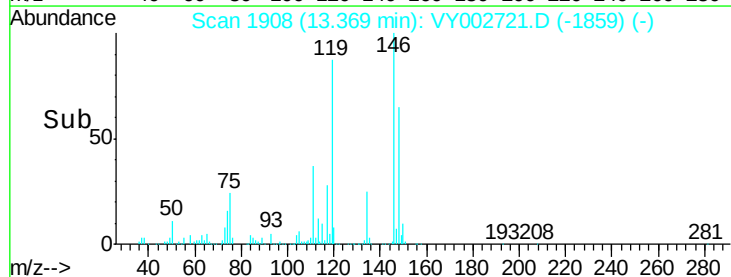
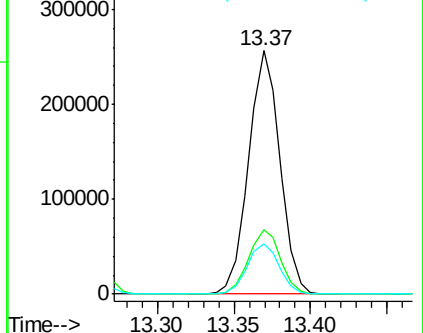
91 21.0 10.8 32.3

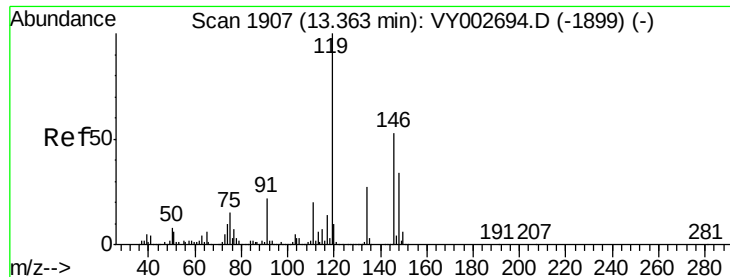


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





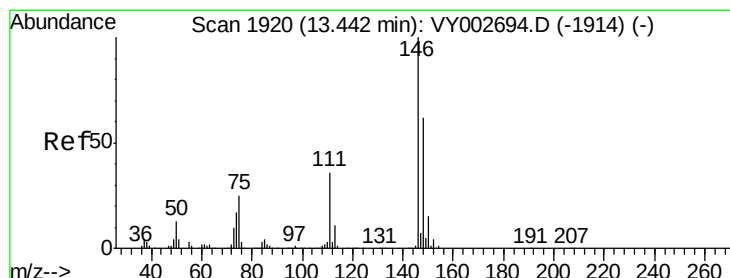
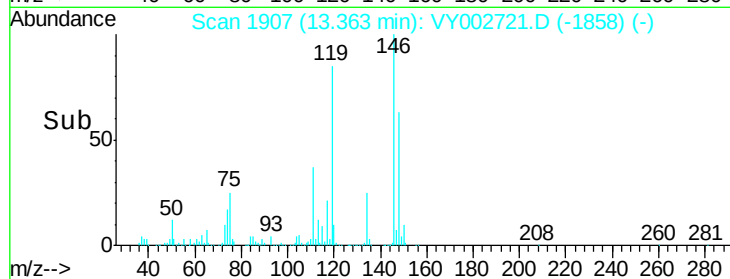
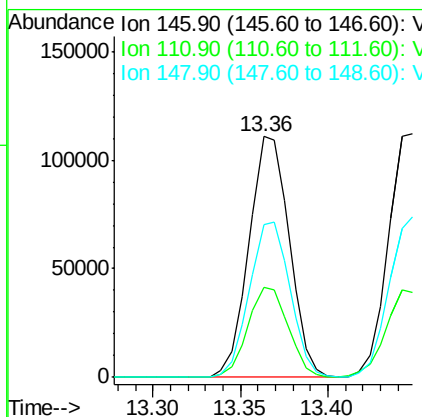
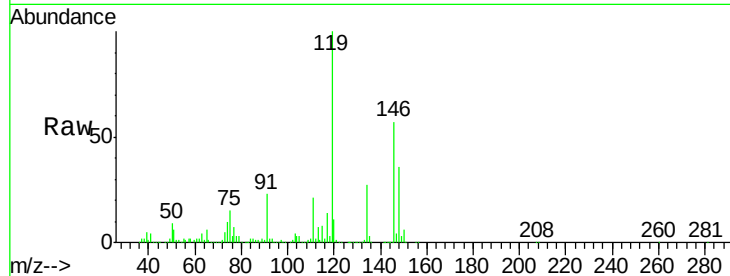
#87
 1,3-Dichlorobenzene
 Concen: 19.999 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	178506		
111	37.5	18.5	55.5	
148	64.7	32.1	96.5	

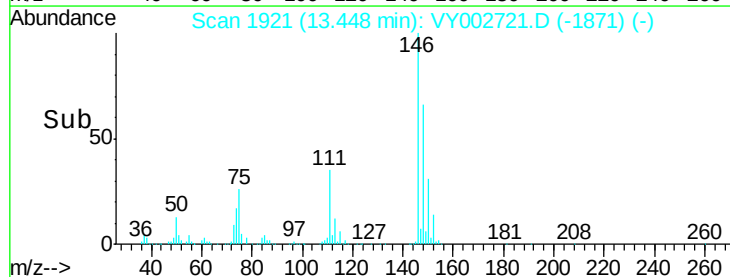
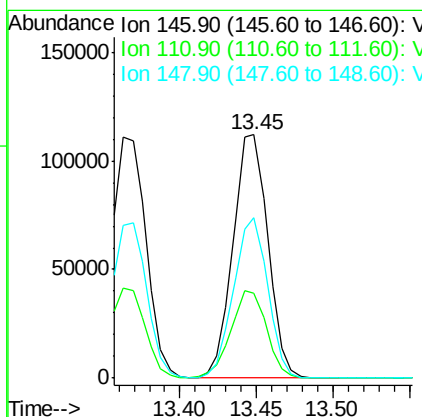
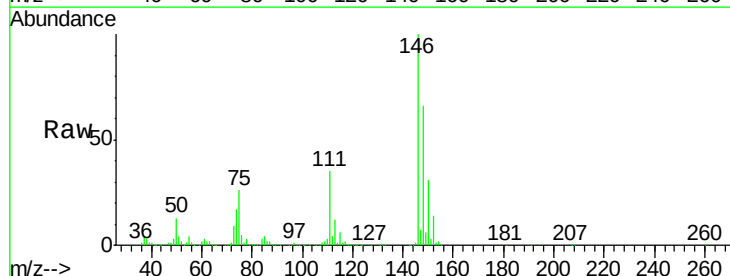
Manual Integrations
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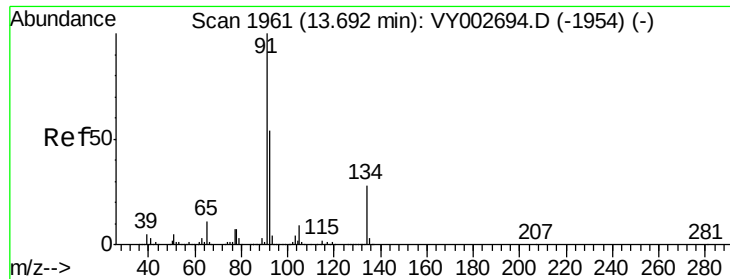
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 5/21/2020 1:14:36 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.980 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	177551		
111	36.8	18.1	54.4	
148	64.5	31.8	95.3	





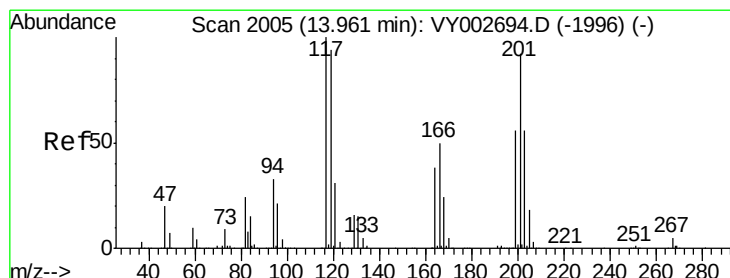
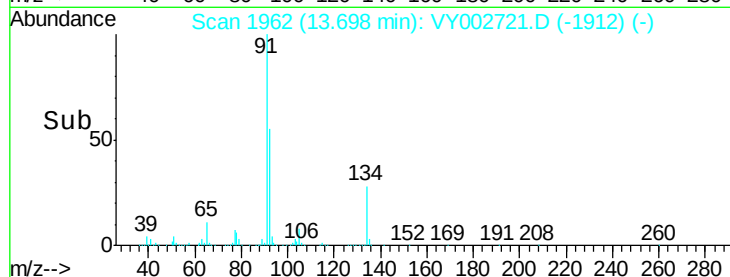
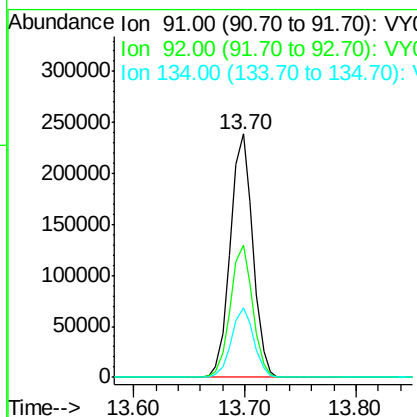
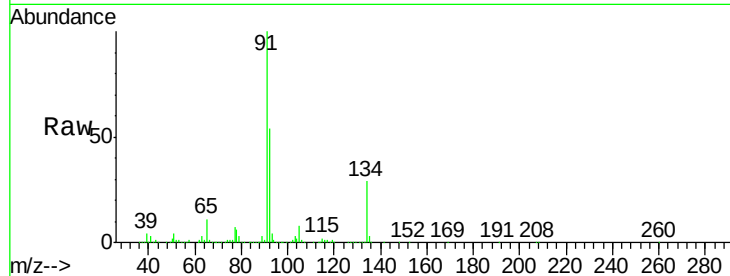
#89
n-Butylbenzene
Concen: 20.389 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	333019		
92	53.6		26.8	80.4
134	28.4		14.5	43.5

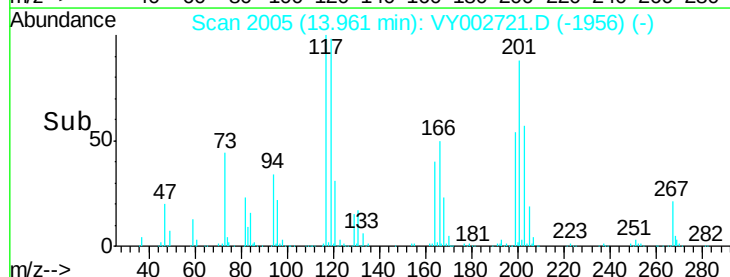
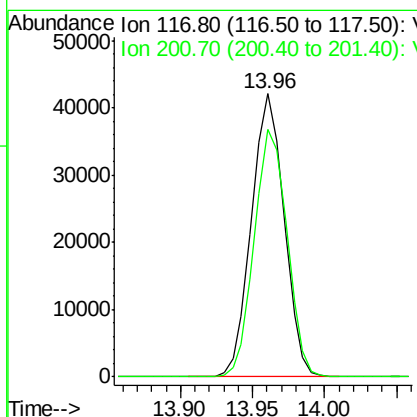
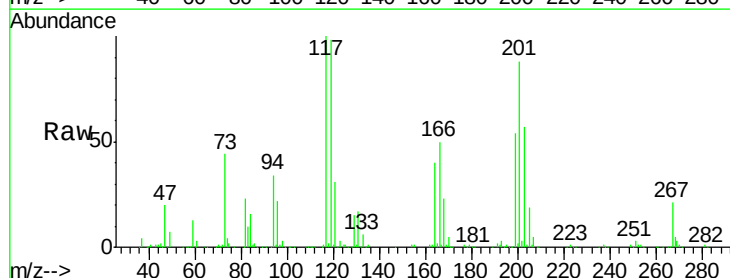
Manual Integrations
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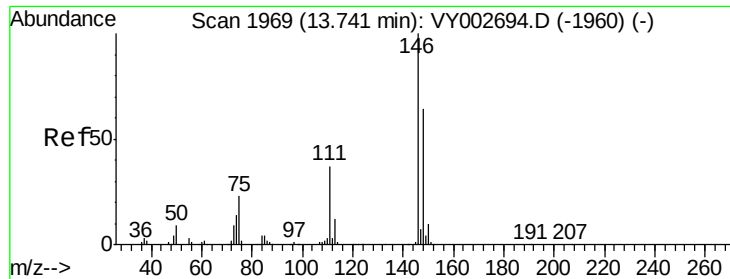
MMDadoda
5/21/2020 1:14:36 PM



#90
Hexachloroethane
Concen: 20.004 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	65897		
201	88.0		44.9	134.7





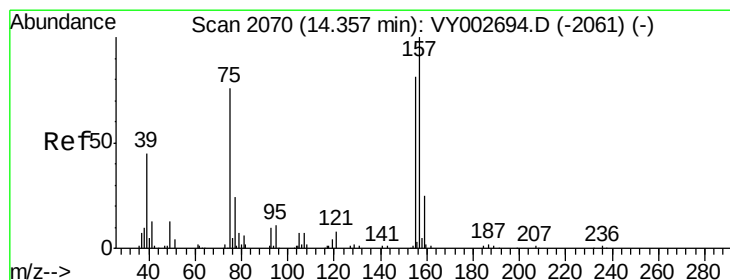
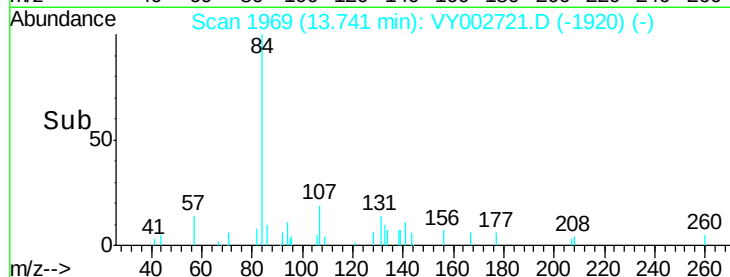
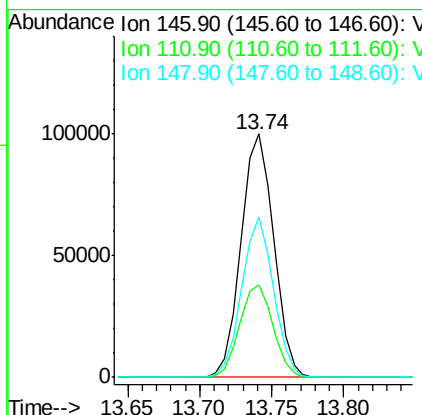
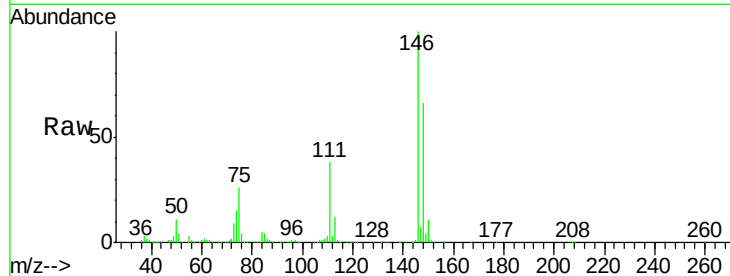
#91
 1,2-Dichlorobenzene
 Concen: 19.682 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	63.8	31.9	95.7

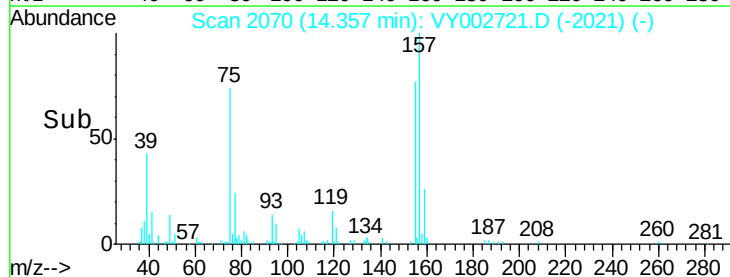
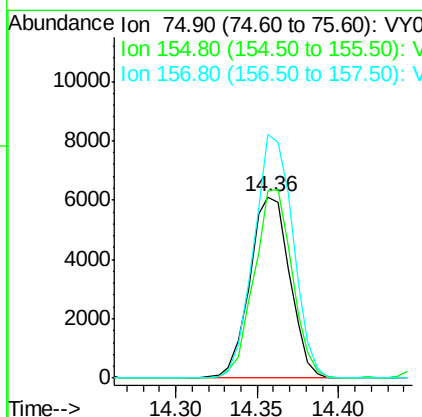
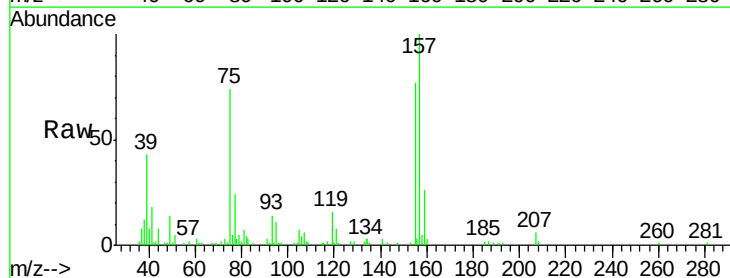
Manual Integrations
 APPROVED

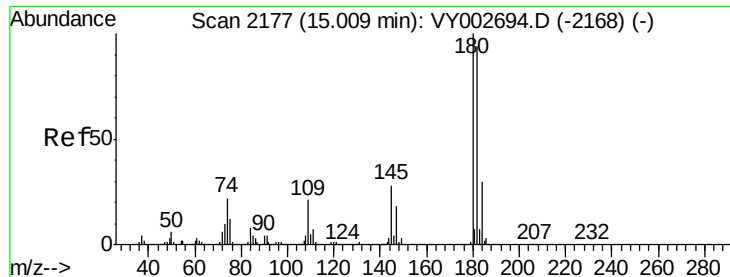
MMDadoda
 5/21/2020 1:14:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.964 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	53.5	160.7
157	131.3	67.9	203.7





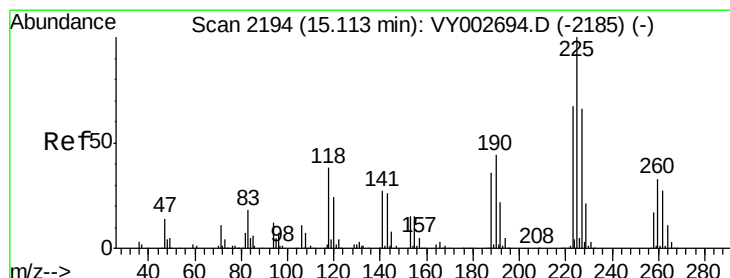
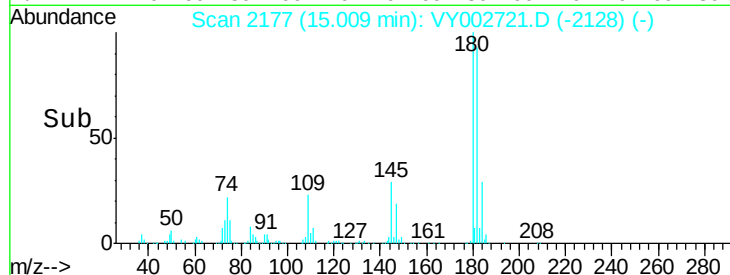
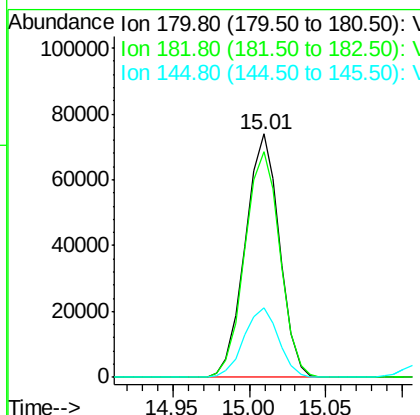
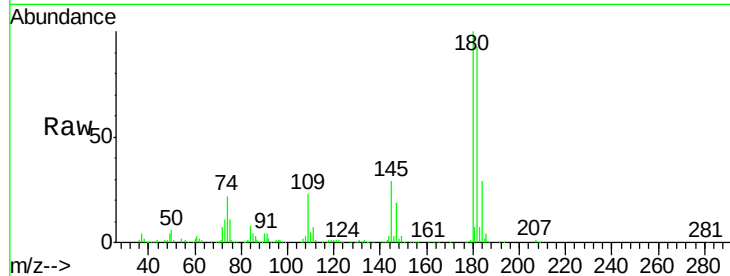
#93
 1,2,4-Trichlorobenzene
 Concen: 17.839 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114762		
182	95.6	47.3	142.0	
145	29.0	14.1	42.2	

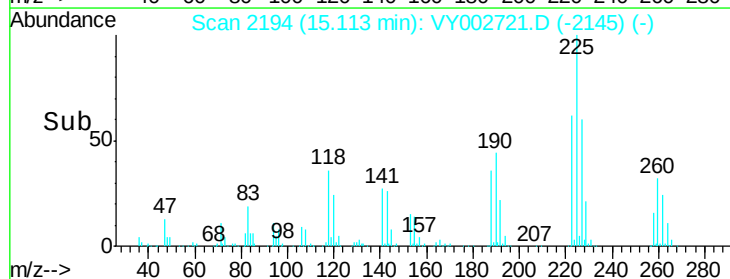
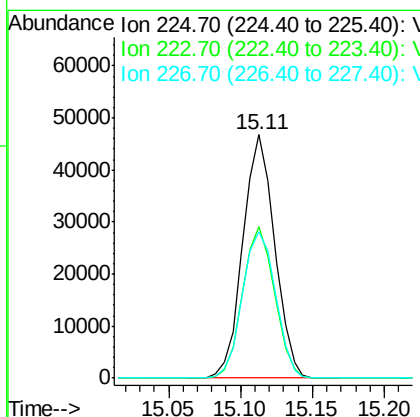
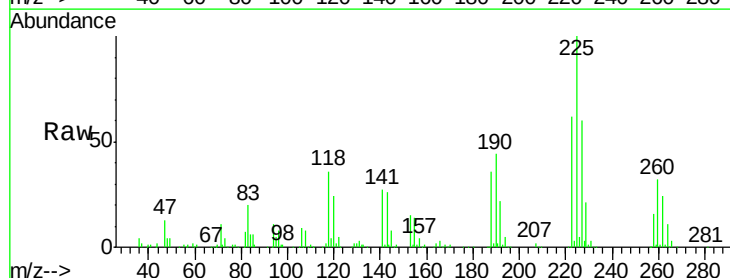
Manual Integrations
 APPROVED

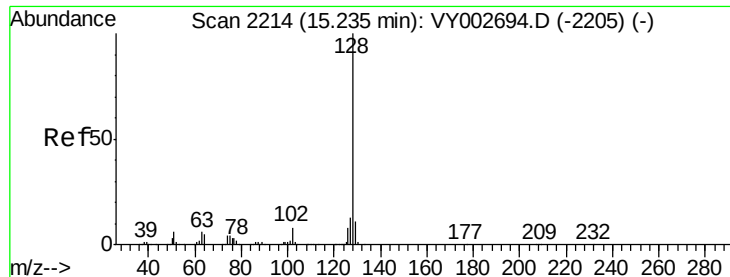
MMDadoda
 5/21/2020 1:14:36 PM



#94
 Hexachlorobutadiene
 Concen: 18.449 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002721.D
 Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71513		
223	62.3	31.6	94.8	
227	62.9	32.2	96.6	





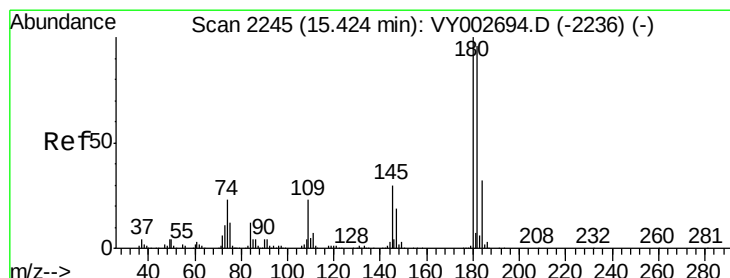
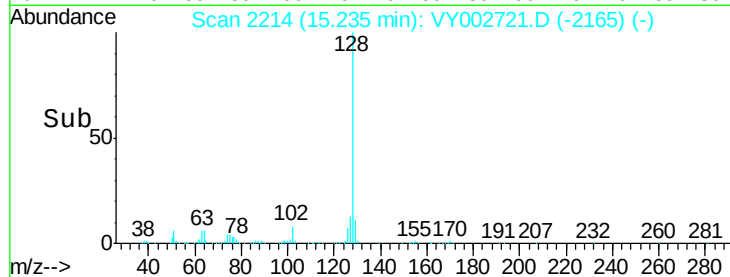
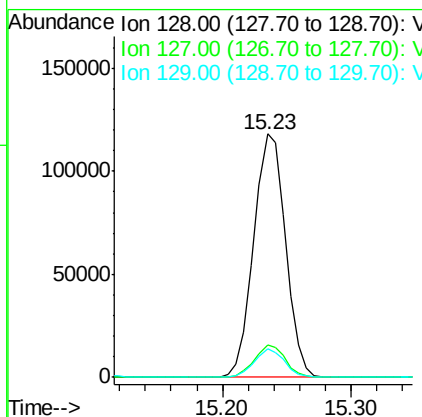
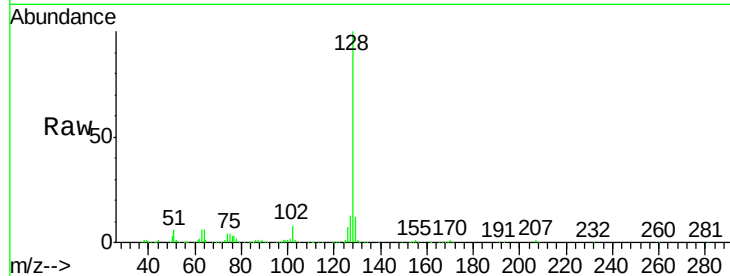
#95
Naphthalene
Concen: 18.231 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	200987		
127	12.9		10.3	15.5
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/21/2020 1:14:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.155 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002721.D
Acq: 20 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	95185		
182	97.0		47.6	142.9
145	30.6		15.1	45.3

